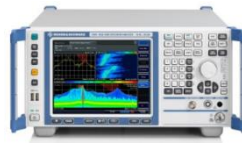# LabWindows/CVI, VXIpnp driver history for the R&S® Signal Analyzers
Driver Documentation

Products:

| R&S®FSW

| R&S®FSVR

| R&S®FPS

| R&S®FSV / FSVA

| R&S®FSWP

| R&S®FSV3000 / FSVA3000

| R&S®FSMR3000

| R&S®FSPN

Driver history for LabWindows/CVI and VXIplug&play
Instrument Driver for C/C++, VEE, etc.

ROHDE & SCHWARZ

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Table of Contents

2 Supported Instruments

In the following table, the supported R&S instruments and firmware versions are listed:

Which instruments are supported?		
Current revision of instrument driver supports these instruments and firmware versions:		
Instrument	Supported Firmware	Remarks
FSW	5.20	
FSV	3.40	
FSVR	1.63	
FPS	1.60	
FSWP	3.00	
FSVA	3.70	
FSV3000	1.80	
FSVA3000	1.80	
FSMR3000	1.01	
FSPN	3.00	

3 Getting Started

3.1 LabWindows/CVI driver

The Rohde & Schwarz **rsspecan** Instrument driver can be used in LabWindows/CVI 6 and later. In order to be able to compile an application it is required to add following files to your LabWindows/CVI project:

- *rsspecan.c + rsspecan.h*
- *rsspecan_attributes.c + rsspecan_attributes.h*
- *rsspecan_utility.c + rsspecan_utility.h*
- *rsidr_core.c + rsidr_core.h*
- *rsspecan_callbacks.c*
- *rsspecan.fp + rsspecan.sub*

3.2 VXIplug&play driver in C/C++, LabWindows/CVI

In this case the compiled source code from LabWindows/CVI driver is used. The compiled ANSI-C libraries exist for Windows XP and newer, 32-bit / 64-bit.

Add the following files to your 32-bit target project:

- C:\Program Files (x86)\IVI Foundation\VISA\WinNT\include\rsspecan.h
- C:\Program Files (x86)\IVI Foundation\VISA\WinNT\lib\msc\rsspecan.lib (static)
- C:\Program Files (x86)\IVI Foundation\VISA\WinNT\Bin\rsspecan_32.dll (dynamic)
- C:\Program Files (x86)\IVI Foundation\VISA\WinNT\rsspecan\rsspecan.fp (in CVI only)
- C:\Program Files (x86)\IVI Foundation\VISA\WinNT\rsspecan\rsspecan.sub (in CVI only)

Add the following files to your 64-bit target project:

- C:\Program Files\IVI Foundation\VISA\Win64\Include\rsspecan.h
- C:\Program Files\IVI Foundation\VISA\Win64\Lib_x64\msc\rsspecan64.lib (static)
- C:\Program Files\IVI Foundation\VISA\Win64\Bin\rsspecan_64.dll (dynamic)
- C:\Program Files\IVI Foundation\VISA\Win64\rsspecan\rsspecan.fp (in CVI only)
- C:\Program Files\IVI Foundation\VISA\Win64\rsspecan\rsspecan.sub (in CVI only)

3.3   VXIplug&play driver in MATLAB

MATLAB instrument driver **rsspecan.mdd** can be found in:

32-bit driver
C:\Program Files (x86)\IVI Foundation\VISA\WinNT\rsspecan\rsspecan.mdd

64-bit driver
C:\Program Files\IVI Foundation\VISA\Win64\rsspecan\rsspecan.mdd

For detailed description on how to use the driver in MATLAB please refer to the Application Note 1MA171 - How to use R&S instrument in MATLAB

3.4   Linux and Mac OS X

To be able to use Rohde & Schwarz **rsspecan** Instrument driver in Linux or Mac OSX, the functioning VISA is required. Then, the process is the same as using LabWindows/CVI driver.

3.5   Additional Help

The LabWindows/CVI and VXIplug&play instrument driver contains in addition the instrument driver documentation in compressed HTML format (Windows CHM help file **rsspecan_vxi.chm**) and stored together with the driver sources or in the following folder:

32-bit driver
C:\Program Files (x86)\IVI Foundation\VISA\WinNT\rsspecan\rsspecan_vxi.chm

64-bit driver
C:\Program Files\IVI Foundation\VISA\Win64\rsspecan\rsspecan_vxi.chm

4 LabWindows/CVI and VXIplug&play driver history

4.1 Version 5.20.0 / 04 - 2023

* Added support for FSW 5.20
* Added support for FSWP/FSPN 3.0
* Added support for FSW K96 (OFDM Vector Signal Analyzer)
* New Core 4.4.0

* New:
- rsspecan_ConfigureFrequencyAnnotationMode
- rsspecan_ConfigureAnalyzerAttenuation
- rsspecan_ConfigureSignalPathEnabled
- rsspecan_LinkingToDeltaMarker
- rsspecan_LinkingDeltaMarkerToAnotherDeltaMarker
- rsspecan_ConfigureCalibrationScheduleSettings
- rsspecan_ConfigureCalibrationSchedule
- rsspecan_ConfigureCalibrationScheduleTime
- rsspecan_ConfigureSystemFloatingOptionEnabled
- rsspecan_QuerySystemFloatingLicense
- rsspecan_ConfigureSystemSCPIRecorderAutoRecordingEnabled
- rsspecan_ConfigureSystemSCPIRecorderAddSyncCommands
- rsspecan_QuerySystemSCPIRecorderListRecording
- rsspecan_ExportSystemSCPIRecorder
- rsspecan_SystemSCPIRecorderClearAll
- rsspecan_ExecuteApplication
- rsspecan_CalculateSequencerTimeTrigger
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- rsspecan_ConfigureExternalFrontendEnabled
- rsspecan_ConfigureExternalFrontendConnectionSettings
- rsspecan_ConfigureExternalFrontendConnectionFirmwareState
- rsspecan_QueryExternalFrontendConnectionPhysicalState
- rsspecan_ConfigureExternalFrontendNetworkSettings
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- rsspecan_ExternalFrontendUpdateFirmware
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- rsspecan_QueryExternalFrontendDeviceCorrectionFileValid
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- rsspecan_ConfigureAnalogDemodSettlingLimits
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- rsspecan_ConfigureBTOSaveSettings
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- rsspecan_ConfigureBTOSynchronizationSearchEnabled
- rsspecan_ConfigureBTOPulseSearchEnabled
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- rsspecan_ConfigureBTOSpuriousEmissionsNumberOfCapturedChannels
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- rsspecan_ConfigureBTOLimitChecksFrequencyOffsetLower
- rsspecan_ConfigureBTOLimitChecksFrequencyOffsetUpper
- rsspecan_ConfigureBTOLimitChecksICFT
- rsspecan_ConfigureBTOLimitChecksInitialFrequencyDrift
- rsspecan_ConfigureBTOLimitChecksMaxDriftRate
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- rsspecan_ConfigureBTOLimitChecksF1MaxInRange
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- rsspecan_ConfigureRemoteModeEnabled
- rsspecan_ConfigureSignalStatisticNormalDistributionEnabled
- rsspecan_ConfigureTransientAnalysisSettlingTimePhaseLimits

* Updated:
- rsspecan_AddMeasurementChannel - Channel types added
- rsspecan_ReplaceMeasurementChannel - Channel types added
- rsspecan_QueryAllMeasurementChannels - Channel type help fixed and updated
- rsspecan_ConfMarkerDemodulation - Demod types added
- rsspecan_ConfigureGeneratorCouplingCenterFrequency - Help updated
- rsspecan_QuerySystemInfoSwitchingCyclesCount - Relay control values added
- rsspecan_ConfigureDisplayTimeFormat - ISO format added, ISO made default
- rsspecan_AddWindow - Window types added, removed values 91 (use value 2) and 122 (use value 82)
- rsspecan_ReplaceWindow - Window types added, removed values 91 (use value 2) and 122 (use value 82)
- rsspecan_ConfigureTestReportsGeneralSettings - Help updated
- rsspecan_GetADemodResultValues - ACV added
- rsspecan_ConfigureBTOMeasurement - LE types added
- rsspecan_AmplifierDirectDPDAction - Continue action added
- rsspecan_ConfigureTransientAnalysisChirpResultTableFrequency - New value Parameter
- rsspecan_ConfigureTransientAnalysisChirpResultTableTiming - New value in Parameter
- rsspecan_ConfigureTransientAnalysisChirpResultTablePhase - New value in Parameter
- rsspecan_QueryTransientAnalysisChirpResultFrequency - New value in Parameter
- rsspecan_QueryTransientAnalysisChirpResultTiming - New value in Parameter
- rsspecan_QueryTransientAnalysisChirpResultPhase - New value in Parameter
- rsspecan_ConfigureWLANSignal - Standard udpated
- rsspecan_ConfWLANMIMOReferenceLevelOffset - Coupling updated
- rsspecan_Query5GNRDLAnalysisAllCarriers - Type updated, Result help updated
- rsspecan_Query5GNRDLAnalysisEVMPDSCHStatistics - Modulation and helps updated
- rsspecan_Configure5GNRULAdvancedSettingsRefPointA - K0 select and helps updated
- rsspecan_Query5GNRULAnalysisAllCarriers - Type and helps updated
- rsspecan_QueryHRPUWBPacketSYNC - Selected sync and helps updated
- rsspecan_QueryHRPUWBPacketSYNCAll - Selected sync and helps updated
- rsspecan_QueryHRPUWBPacketDataAll - Select packets data and helps updated

4.2 Version 4.95.0 / 06 - 2022

* New Core 4.3.0

* Update for FSWP/FSPN K6 Pulse Measurement

* New:
- Pulse Measurement > Configuration > Output (Class)
- Pulse Measurement > Measurement > Result Configuration > Parameter Stability Waterfall
(Class)
 - rsspecan_ConfigurePulseMeasurementAcquisitionDigitizer
 - rsspecan_ConfigurePulseMeasurementTraceResults
 - rsspecan_ConfigurePulseMeasurementTraceStabilityEvaluation
 - rsspecan_ConfigurePulseStabilityBurstStatistics
 - rsspecan_ConfigurePulseStabilityBurstAnalysis
 - rsspecan_ConfigurePulseResultParameterTrendStability
 - rsspecan_ConfigurePulseResultParameterDistributionStability
 - rsspecan_ConfigurePulseParameterSpectrumStability
 - rsspecan_ConfigurePulseResultTableStability
 - rsspecan_ConfigurePulseResultTableStabilityLimitCheckAll
 - rsspecan_ConfigurePulseResultTableStabilityLimit
 - rsspecan_QueryPulseResultStability
 - rsspecan_PulseQueryResultLimitStability

* Updated:
- rsspecan_PulseMeasurementAddWindow - Window Type values updated
- rsspecan_PulseMeasurementReplaceWindow - Window Type values updated

4.3 Version 4.90.0 / 03 – 2022

* New Core 4.2.1
* Added support for FSW 4.90
* Added support for FSMR3000 FW 1.01
* Added support for FSPN FW 2.00
* Update for FSWP 2.00

* New:
- Generator Coupling (Class)
- Application Starter (Class)
- HUMS (Class)
- Test Reports (Class)
- Amplifier Statistics Table (Class)
- 5G NR > Downlink > Positioning RS (Class)
- 5G NR > Downlink > Generator (Class)
- 5G NR > Downlink > Combined Measurement (Class)
- 5G NR > Uplink > Combined Measurement (Class)
- 5G NR > Uplink > Generator (Class)
- 5G NR > Uplink > Results (Class)
- HRP UWB Measurement (Class)
- rsspecan_ConfigureLimitLineCheckTrace
- rsspecan_ConfigureMissingExternalReferenceBehavior
- rsspecan_ConfigureNoiseMeasurementPoints
- rsspecan_ConfigureNoiseDisplayUncertainty
- rsspecan_ConfigurePhaseUltraSmallRBWs
- rsspecan_ConfigurePhaseSpuriousColor
- rsspecan_ExportPhaseSpurs
- rsspecan_GetPhaseNumberOfTraceDataPoints
- rsspecan_QuerySweepAutoType
- rsspecan_ConfigureTraceExportColumnSeperator
- rsspecan_ConfigureTraceExportXValueDistribution
- rsspecan_QueryUserCorrectionFrequencyResponseSpanCover

- rsspecan_RefreshUserCorrectionBBFRES
- rsspecan_RefreshUserCorrectionRFInputFrequencyResponse
- rsspecan_ConfigureGeneratorCouplingEnabled
- rsspecan_ConfigureGeneratorCouplingCenterFrequency
- rsspecan_ConfigureGeneratorCouplingReferenceLevelEnabled
- rsspecan_QueryServiceLastDate
- rsspecan_ConfigureCalibrationLastDate
- rsspecan_ConfigureCalibrationNextDate
- rsspecan_QueryCalibrationInterval
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- rsspecan_AddHUMSTag
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- rsspecan_ConfigureMCGDGeneratorSettlingDelay
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- rsspecan_GenerateAmplifierOwnSignalAndPlay
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- rsspecan_GetAmplifierCrestFactorReductionAttenuationFrequenciesState
- rsspecan_ApplyAmplifierCrestFactorReductionFromGenerator
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- rsspecan_ConfigureAmplifierMemoryPolynomialDPDSettings
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- rsspecan_ConfigureAmplifierMemoryPolynomialDPDExportWaveformFile
- rsspecan_ConfigureAmplifierMemoryPolynomialDPDExportCoefficientsFile
- rsspecan_ConfigureAmplifierMemoryPolynomialDPDWaveformType
- rsspecan_SendAmplifierMemoryPolynomialDPDWaveformToGenerator
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- rsspecan_ConfigureAmplifierWindowTraceSettings
- rsspecan_DisplayAmplifierWindowStatisticsTableItem
- rsspecan_DisplayAmplifierWindowStatisticsTableItemsAll
- rsspecan_ConfigureAmplifierDisplayWindowDDPDResultsType
- rsspecan_GetAmplifierCompressionPointsPower
- rsspecan_GetAmplifierCompressionPointsOutputPower
- rsspecan_GetAmplifierTriggerToSyncResult
- rsspecan_GetAmplifierMemoryDPDCoefficients
- rsspecan_ConfigureNoiseFrequencyBandwidthSweepTimeTable
- rsspecan_SaveNoiseCalibrationResults
- rsspecan_RecallNoiseCalibrationResults
- rsspecan_QueryNoiseAvailableCalibrationResults
- rsspecan_ConfigureNoiseENRCalibrationSNSSerialNumber
- rsspecan_ConfigureNoiseENRMeasurementSNSSerialNumber
- rsspecan_ConfigureWLANDemodulation802_11axEHTPPDUFormat
- rsspecan_ConfigureWLANDemodulation802_11axHEPPDUConfigUserIndexMRU
- rsspecan_ConfigureWLANDemodulation802_11axHEPPDUConfigUserIndexRU26
- rsspecan_FetchWLANBurstType
- rsspecan_ConfigureLTEDownlinkSuppressInterfererForSynchronization
- rsspecan_ConfigureNBIoTDownlinkCompensateCrosstalk
- rsspecan_FetchWLANBurstGuardInterval
- rsspecan_FetchWLANMCSIndex
- rsspecan_FetchWlanStreamBurstChannelPower
- rsspecan_Configure5GNRDLAutoEVMSlots
- rsspecan_Configure5GNRDLDemodulationSymbolTimeAdjustment
- rsspecan_Configure5GNRDLDemodulationPDSCHReferenceData
- rsspecan_Configure5GNRDLDemodulationCoresetReferenceData
- rsspecan_Configure5GNRDLDemodulationExtendedFrequencyLockRange
- rsspecan_Configure5GNRDLChannelRaster
- rsspecan_Configure5GNRDLMCSetup
- rsspecan_Configure5GNRDLGlobalMCFrequencyOffset
- rsspecan_NR5GDLSyncMCFrequencyToCenter
- rsspecan_Configure5GNRDLSlotPasteSettings
- rsspecan_NR5GDLSlotPasteTo
- rsspecan_Configure5GNRDLCombinePDSCHAllocationsSameID
- rsspecan_Configure5GNRDLPDSCHCopySettings
- rsspecan_NR5GDLPDSCHCopy
- rsspecan_Configure5GNRDLEnhancedPDSCHDMRSDownlink
- rsspecan_Configure5GNRDLEnhancedPDSCHChannelCodingScalingFactor
- rsspecan_Configure5GNRDLCORESETPDCCHConfigUsage
- rsspecan_Configure5GNRDLCORESETPDCCHConfigDCIFormat
- rsspecan_Configure5GNRDLCORESETPDCCHConfigFrequencyResourceAssignment
- rsspecan_Configure5GNRDLCORESETPDCCHConfigDCIFields
- rsspecan_Query5GNRDLCORESETPDCCHConfigDCIFields
- rsspecan_Configure5GNRDLCORESETPDCCHConfigDCIBlocks
- rsspecan_Configure5GNRDLCORESETPDCCHConfigDCIScope

- rsspecan_Configure5GNRDLCORESETPDCCHConfigDCITCPCommand
- rsspecan_Configure5GNRDLCORESETCopySettings
- rsspecan_NR5GDLCORESETCopy
- rsspecan_Configure5GNRDLCSIRSResources
- rsspecan_Configure5GNRDLSynchronizationSignalHalfFrameOffset
- rsspecan_Configure5GNRDLAdvancedSettingsFrameNumber
- rsspecan_Configure5GNRDLAdvancedSettingsFrequencyErrorLimitCheck
- rsspecan_Configure5GNRDLAdvancedSettingsSharedSpectrumChannelAccess
- rsspecan_Configure5GNRDLAdvancedSettingsLTECRSCoexistenceMBSFNSubframes
- rsspecan_Configure5GNRDLPowerOnOffNumberOfFramesToAnalyze
- rsspecan_Configure5GNRDLAnalysis3DView
- rsspecan_Configure5GNRDLAnalysisACLRLimitPassMode
- rsspecan_Configure5GNRDLAnalysisEvaluationRangeSelectedMeasID
- rsspecan_Query5GNRDLAnalysisAllCarriers
- rsspecan_Query5GNRDLAnalysisEVMFrequencyErrorLimitCheckResult
- rsspecan_Query5GNRDLAnalysisACLRLimitCheck
- rsspecan_Query5GNRDLAnalysisOverload
- rsspecan_Query5GNRDLAnalysisSEMPassFail
- rsspecan_Query5GNRDLAnalysisSyncState
- rsspecan_Query5GNRDLAnalysisTimeStampDelta
- rsspecan_Query5GNRDLAnalysisTimeStamp
- rsspecan_Configure5GNRDLAnalysisSweepTotalLimitPassMode
- rsspecan_Query5GNRDLACLRLimitCheckResults
- rsspecan_Query5GNRDLACLRPowerLimitCheckResults
- rsspecan_Query5GNRDLCACLRLimitCheckResults
- rsspecan_Fetch5GNRDLAnalysisCORESET
- rsspecan_Fetch5GNRDLAnalysisCombinedMeasurement
- rsspecan_Configure5GNRULDemodulationExtendedFrequencyLockRange
- rsspecan_Configure5GNRULChannelRaster
- rsspecan_Configure5GNRULMCSetup
- rsspecan_Configure5GNRULGlobalMCFrequencyOffset
- rsspecan_NR5GULSyncMCFrequencyToCenter
- rsspecan_Configure5GNRULCCPhysicalSettingsAutomaticDemodulation
- rsspecan_Configure5GNRULCCPhysicalSettingsDetection
- rsspecan_Configure5GNRULSlotPasteSettings
- rsspecan_NR5GULSlotPasteTo
- rsspecan_Configure5GNRULEnhancedPUSCHPTRSNID
- rsspecan_Configure5GNRULEnhancedPUSCHDMRSNIDRS
- rsspecan_Configure5GNRULEnhancedPUSCHDMRSUplink
- rsspecan_Configure5GNRULPUSCHCopySettings
- rsspecan_NR5GULPUSCHCopy
- rsspecan_Configure5GNRULPUCCHCopySettings
- rsspecan_NR5GULPUCCHCopy
- rsspecan_Configure5GNRULAdvancedSettingsPUSCHFrequencyHopping
- rsspecan_Configure5GNRULAnalysis3DView
- rsspecan_Configure5GNRULAnalysisACLRLimitPassMode
- rsspecan_Configure5GNRULAutomaticEVMSlots
- rsspecan_Configure5GNRULAnalysisEvaluationRangeSelectedMeasID
- rsspecan_Query5GNRULAnalysisAllCarriers
- rsspecan_Query5GNRULAnalysisACLRLimitCheck
- rsspecan_Query5GNRULAnalysisOverload
- rsspecan_Query5GNRULAnalysisSEMPassFail
- rsspecan_Query5GNRULAnalysisSyncState
- rsspecan_Query5GNRULAnalysisTimeStampDelta
- rsspecan_Query5GNRULAnalysisTimeStamp
- rsspecan_Query5GNRULEVMLimitsFrequencyError
- rsspecan_Configure5GNRULAnalysisFrequencySweepSEMIFF
- rsspecan_Configure5GNRULAnalysisFrequencySweepACLRIFF
- rsspecan_Configure5GNRULAnalysisTotalLimitPassMode
- rsspecan_Query5GNRULACLRLimitCheckResults

- rsspecan_Query5GNRULACLRPowerLimitCheckResults
- rsspecan_Query5GNRULCACLRLimitCheckResults
- rsspecan_Fetch5GNRULAnalysisCombinedMeasurement
- rsspecan_InstrumentOptions
- rsspecan_ConfigureIDQueryFormat
- rsspecan_SetInstrumentDateTime
- rsspecan_GetInstrumentDateTime

* Updated:
- 5G NR > Downlink > CSI RS (Class) - CSI repcap added
- rsspecan_ConfigurePhaseSignalCaptureRange - Range table updated
- rsspecan_ConfigureLimitLine - Units values added
- rsspecan_ConfigureAveragingType - Value added
- rsspecan_DataSetFileSelectItems - Calibration added
- rsspecan_DataSetFileSelectItemsFromChannel - Calibration added
- rsspecan_ConfigureAmplifierInputSourceAnalogBasebandCapture - Rep cap added
- rsspecan_ConfigureAmplifierPowerServoing - Typo fixed in control name
- rsspecan_ConfigureNoiseENRNoiseSource - Range table updated
- rsspecan_ConfigureNoiseENRCalibrationNoiseSource - Range table updated
- rsspecan_ConfigureNoiseResultSummaryDisplay - Updated item
- rsspecan_ConfigureNoiseLimitLineType - Updated result type
- rsspecan_NoiseAddWindow - Updated window type
- rsspecan_NoiseReplaceWindow - Updated window type
- rsspecan_ConfigurePhaseDisplayYAxisUnit - Range table updated
- rsspecan_QueryNoiseResults - Updated result type
- rsspecan_ConfigureWLANDemodulation802_11axHEPPDUConfigRUSize - Range table
update
- rsspecan_ConfigureWlanResultSummaryDisplay - Updated item ring
- rsspecan_Configure5GNR - Added values to Mode
- rsspecan_Configure5GNRDLDemodulationEVMCalculationMethod - Range updated
- rsspecan_Configure5GNRDLPhysicalSettings - Operating Band updated
- rsspecan_NR5GDLAddWindow - Window Type range updated
- rsspecan_NR5GDLReplaceWindow - Window Type range updated
- rsspecan_Configure5GNRDLAnalysisShowResultSummaryItems - Item range updated
- rsspecan_Configure5GNRULDemodulationEVMCalculationMethod - Range updated
- rsspecan_Configure5GNRULPhysicalSettings - Range updated
- rsspecan_Configure5GNRULBandwidthPartSubcarrierSpacing - Range updated
- rsspecan_Add5GNRULWindow - Window Type range updated
- rsspecan_Replace5GNRULWindow - Window Type range updated
- rsspecan_Configure5GNRULAnalysisShowResultSummaryItems - Item range updated
- rsspecan_Query5GNRULEVMLimitsPUSCHResource - SCPI command fixed in help

* Deleted:
- rsspecan_SetAttributeRawString
- rsspecan_GetAttributeRawString

4.4 Version 4.65.1 / 2020 - 06

* Updated:
- rsspecan_Fetch5GNRDLAnalysisBitstream - function API changed - added Format parameter
- rsspecan_Fetch5GNRULAnalysisBitstream - function API changed - added Format parameter
- RSSPECAN_ATTR_5G_NR_DIRECTION - added Wait For OPC

4.5 Version 4.65.0 / 2020 - 05

* New Core 3.8.0
* Added support for FSW 4.60

* New:
- NB IoT > Analysis > Trace Data (Class)
- 5G NR > Downlink > Configuration > Advanced Settings (Class)
- rsspecan_ConfigureDOCSISPowerIntervalSearchEnabled
- rsspecan_ConfigureAutoAdjustSearchMode
- rsspecan_ConfigureUserCorrectionFileAdjustReferenceLevel
- rsspecan_ConfigureUserCorrectionAdjustReferenceLevel
- rsspecan_ConfigureUserCorrectionBBFRESAdjustReferenceLevel
- rsspecan_ConfigureUserCorrectionRFInputAdjustReferenceLevel
- rsspecan_ConfigureSystemTrialOptionsEnabled
- rsspecan_ConfigureSystemTrialOptions
- rsspecan_ConfigureMSRGapLimitChannelsEnabled
- rsspecan_QueryMSRGapLimitChannelsEnabled
- rsspecan_QueryTOIResults
- rsspecan_FileExportMicroservice
- rsspecan_ConfigurePWMSensorOffset
- rsspecan_ConfigureMultiCarrierGroupDelayModeEstimation
- rsspecan_ConfigureMultiCarrierGroupDelayMaxClockOffset
- rsspecan_ConfigureMultiCarrierGroupDelayLargeOffsetCompensationEnabled
- rsspecan_ConfigureMultiCarrierGroupDelayCarrierDecimationFactor
- rsspecan_QueryMultiCarrierGroupDelayClockOffset
- rsspecan_ConfigureAmplifierForceARBMode
- rsspecan_ConfigureAmplifierCrestFactorReduction
- rsspecan_ConfigureAmplifierCrestFactorReductionSimpleMode
- rsspecan_ApplyAmplifierCrestFactorReduction
- rsspecan_ConfigureAmplifierCrestFactorReductionEVMRefSignal
- rsspecan_GetAmplifierCrestFactorReductionEnabledState
- rsspecan_GetAmplifierCrestFactorReductionCurrentValue
- rsspecan_GetAmplifierCrestFactorReductionDeltaState
- rsspecan_GetAmplifierCrestFactorReductionIterationsState
- rsspecan_GetAmplifierCrestFactorReductionSignalBandwidthState
- rsspecan_GetAmplifierCrestFactorReductionChannelSpacingState
- rsspecan_GetAmplifierCrestFactorReductionApplyState
- rsspecan_GetAmplifierPhaseErrorResults
- rsspecan_StoreLTEDownlinkDemodulationSettings
- rsspecan_ConfigureLTEDownlinkCustomSyncWeightEnabled
- rsspecan_ConfigureLTEDownlinkCustomSyncWeightFirstHalf
- rsspecan_ConfigureLTEDownlinkCustomSyncWeightSecondHalf
- rsspecan_StoreLTEUplinkDemodulationSettings
- rsspecan_ConfigureNBIoTDownlinkAnalysisLocationSelect
- rsspecan_ConfigureNBIoTDownlinkAnalysisSubframeSelectAll
- rsspecan_ConfigureNBIoTDownlinkAnalysisSubframeSelect
- rsspecan_Configure5GNRDLDataCaptureSignalRepeatsMaxNoofSlotstoAnalyze
- rsspecan_Configure5GNRDLTrackingTimeLevel
- rsspecan_Configure5GNRDLDemodulationEVMCalculationMethod
- rsspecan_Configure5GNRDLEnhancedPDSCHVRBtoPRBInterleave
- rsspecan_Configure5GNRDLCORESETPDCCHConfig
- rsspecan_Configure5GNRDLCSIRSRB
- rsspecan_Configure5GNRDLAdvancedSettingsHandlingOfCarrierLeakage
- rsspecan_Configure5GNRDLAdvancedSettingsRFUpconversion
- rsspecan_Configure5GNRDLAdvancedSettingsExcludeUserIDs
- rsspecan_Configure5GNRDLAdvancedSettingsRefPointA
- rsspecan_Query5GNRDLAdvancedSettingsRefPointAFrequency
- rsspecan_Configure5GNRDLAdvancedSettingsLTECRSCoexistence

- rsspecan_Configure5GNRDLPowerOnOffBaseStationOutputPower
- rsspecan_Configure5GNRDLAnalysisEVMMaxHold
- rsspecan_Query5GNRDLAnalysisEVMPeak
- rsspecan_Configure5GNRDLAnalysisSweepBSCategoryBOption
- rsspecan_Configure5GNRULDemodulationEVMCalculationMethod
- rsspecan_Configure5GNRULTrackingLevel
- rsspecan_Configure5GNRULTrackingTime
- rsspecan_Configure5GNRULCCPhysicalSettingsPowerClass
- rsspecan_Configure5GNRULCCPhysicalPRACHSettings
- rsspecan_Configure5GNRULRepeatedSlotAnalysis
- rsspecan_Configure5GNRULAdvancedSettingsExtremeConditions
- rsspecan_Configure5GNRULAnalysisEVMMaxHold
- rsspecan_Configure5GNRULAnalysisEvaluationRangePreamble
- rsspecan_Query5GNRULAnalysisSummaryEVMPeak
- rsspecan_Query5GNRULAnalysisSummaryEVMPRACH
- rsspecan_Query5GNRULACPChannelLimitCheckResults
- rsspecan_SetAttributeRawString
- rsspecan_GetAttributeRawString
- rsspecan_CheckAttributeViInt64
- rsspecan_CheckAttributeRawString
- rsspecan_ConfigureAutoSystemErrQuery
- rsspecan_ConfigureMultiThreadLocking

 * Updated:
 - rsspecan_ConfigureSpuriousTracking - 'Frequency Range' parameter data type change from
ViInt32 to ViReal64
 - K9 (rsspecan_k9.c) - Power Sensor parameter check corrected
 - Frequency Sweep Measurement (Class) - renamed
 - rsspecan_FetchXTrace - parameter formatting fixed
 - rsspecan_ConfigureSequencerMode - value in the ring removed (Channel Defined)
 - rsspecan_ConfigureSpuriousLISN - Range table updated at LISN
 - rsspecan_FetchTraceIQData - control help
 - rsspecan_ConfigureEMILISNVnetworkType - Range table updated at LISN
 - rsspecan_ReadWlanMemoryIQData - control help
 - rsspecan_ConfigureLTEUplinkFrequencySweepMeasurements - Updated range table for SEM
Requirement
 - rsspecan_Configure5GNR - Added PRACH measurement
 - rsspecan_Configure5GNRDLEnhancedPDSCHDMRS - New range table used for Method
 - rsspecan_Configure5GNRDLCORESETDMRS - SID param depends on Sequence
Generation
 - rsspecan_NR5GDLAddWindow - Channel Flatness added to Window Type
 - rsspecan_NR5GDLReplaceWindow - Channel Flatness added to Window Type
 - rsspecan_Configure5GNRDLAnalysisShowResultSummaryItems - added EVM PDSCH
1024QAM, EVM PDSCH 4096QAM,
        EVM PRACH, Frame/Preamble Start Offset Start Offset, EVM Peak, RSSI, EVM DMRS
PUSCH 1024QAM,
        EVM DMRS PUSCH 4096QAM, EVM PUSCH 1024QAM, EVM PUSCH 4096QAM to
Item
 - rsspecan_Query5GNRDLACPChannelLimitCheckResults - Fixed bug
 - rsspecan_Add5GNRULWindow - added Spectrum Flatness to Window Type
 - rsspecan_Replace5GNRULWindow - added Spectrum Flatness to Window Type
 - rsspecan_Configure5GNRULAnalysisShowResultSummaryItems - added EVM PDSCH
1024QAM, EVM PDSCH 4096QAM,
        EVM PRACH, Frame/Preamble Start Offset Start Offset, EVM Peak, RSSI, EVM DMRS
PUSCH 1024QAM,
        EVM DMRS PUSCH 4096QAM, EVM PUSCH 1024QAM, EVM PUSCH 4096QAM to
Item
 - rsspecan_Fetch5GNRULAnalysisAllocationSummary - Help and control help fixed
 - rsspecan_ConfigureOneWebULEvaluationRangeConstellationDiag - Range table fix
 - rsspecan_OneWebULFetchChannelAndSpectrumFlatness - Range table fix

- rsspecan_OneWebULFetchChannelAndSpectrumFlatnessDifference - Range table fix
- rsspecan_OneWebULFetchChannelFlatnessSRS - Range table fix
- rsspecan_OneWebULFetchGroupDelay - Range table fix
- rsspecan_OneWebULFetchEVMvsCarrier - Range table fix

* Deleted:
- rsspecan_Configure5GNRDLCORESETPDCCH
- rsspecan_ConfigureMSRGapLimitChannels
- rsspecan_QueryMSRGapLimitChannels

4.6 Version 4.60.0 / 2020 - 01

* Added support for FSWP 1.90

* New:
- rsspecan_ConfigurePhaseSpuriousList
- rsspecan_ConfigurePhaseSpuriousFilter
- rsspecan_ConfigurePhaseSpuriousFilterOffset
- rsspecan_QueryPhaseSpuriousFilterName
- rsspecan_ClearPhaseSpuriousFilter
- rsspecan_SavePhaseSpuriousFilter
- rsspecan_LoadPhaseSpuriousFilter
- rsspecan_ConfigureTransientAnalysisSettlingTime
- rsspecan_QueryTransientAnalysisSettlingTimeResult
- rsspecan_ConfigureTransientAnalysisFrequencyDeviation
- rsspecan_QueryTransientAnalysisFrequencyDeviationRegressionLineData
- rsspecan_QueryTransientAnalysisFrequencyDeviationRegressionLinePoints
- rsspecan_QueryTransientAnalysisFrequencyDeviationRegressionLineSlope
- rsspecan_FetchPhaseSpuriousListCount

* Updated:
- rsspecan_AddPhaseWindow - added Power vs Frequency to Window Type
- rsspecan_ReplacePhaseWindow - added Power vs Frequency to Window Type

4.7 Version 4.50.0 / 2019 - 12

* New Core 3.6.3
* Added support for FSW 4.50
* Added support for 5G NR Uplink (K145)
* Added support for Verizon 5GTF (K118/K119)
* Added support for OneWeb Reverse Link (K201)

* New:
- rsspecan_ConfigureExternalGeneratorTCPIP - bug fixed - sending IP address in single quotes
- Measurement -> Spectrum Analyzer Measurement -> Noise Power Ratio -> Generator (Class)
- Multi-Carrier Group Delay -> Configuration -> Generator Control (Class)
- rsspecan_ConfigureRFInputType
- rsspecan_ConfigureSubwindowHorizontalScale
- rsspecan_ConfigureSubwindowVerticalScale
- rsspecan_ConfigureWindowSweepPoints
- rsspecan_QuerySweepSubspans
- rsspecan_ConfigureDisplayWindowReferenceValue
- rsspecan_ConfigureDisplayWindowMarkerInfo

- rsspecan_ConfigureDisplaySubwindowMultipleZoom
- rsspecan_ConfigureTraceSubwindowState
- rsspecan_ConfigureTraceSubwindowSmoothing
- rsspecan_ConfigureTraceSubwindowResetBehavior
- rsspecan_ConfigureTraceSubwindowPreset
- rsspecan_CalibrationPreselection
- rsspecan_InsertCorrectionBBFRES
- rsspecan_InsertCorrectionInputFRES
- rsspecan_InsertCorrectionUserFRES
- rsspecan_InsertTouchstoneBBFRES
- rsspecan_InsertTouchstoneInputFRES
- rsspecan_InsertTouchstoneUserFRES
- rsspecan_MoveTouchstoneBBFRES
- rsspecan_MoveTouchstoneInputFRES
- rsspecan_MoveTouchstoneUserFRES
- rsspecan_ConfigureSystemChangingHardwareEnabled
- rsspecan_ConfigureSystemChangingHardware
- rsspecan_ConfigureDisplaySubwindowZoomState
- rsspecan_ConfigureDisplaySubwindowZoom
- rsspecan_ConfigureDisplaySubwindowAmplitudeGridMode
- rsspecan_QueryMSRGapName
- rsspecan_ConfigureMSRGapChannelSpacing
- rsspecan_QueryMSRGapChannelSpacing
- rsspecan_ConfigureMSRGapChannelBandwidths
- rsspecan_QueryMSRGapChannelBandwidths
- rsspecan_ConfigureMSRGapWeightingFilterState
- rsspecan_QueryMSRGapWeightingFilterState
- rsspecan_ConfigureMSRGapChannelRollOffFactor
- rsspecan_QueryMSRGapChannelRollOffFactor
- rsspecan_ConfigureMSRGapLimitRelativeState
- rsspecan_QueryMSRGapLimitRelativeState
- rsspecan_ConfigureMSRGapLimitRelative
- rsspecan_QueryMSRGapLimitRelative
- rsspecan_ConfigureMSRGapLimitAbsoluteState
- rsspecan_QueryMSRGapLimitAbsoluteState
- rsspecan_ConfigureMSRGapLimitAbsolute
- rsspecan_QueryMSRGapLimitAbsolute
- rsspecan_ConfigureMSRGapLimitChannels
- rsspecan_QueryMSRGapLimitChannels
- rsspecan_ConfigureMSRGapMode
- rsspecan_ConfigureMSRGapLimitACLRRelative
- rsspecan_ConfigureMSRGapLimitACLRRelatives
- rsspecan_QueryMSRGapLimitACLRRelatives
- rsspecan_ConfigureMSRGapLimitACLRRelativeState
- rsspecan_ConfigureMSRGapLimitACLRRelativeStates
- rsspecan_QueryMSRGapLimitACLRRelativeStates
- rsspecan_ConfigureMSRGapLimitCACLRRelative
- rsspecan_ConfigureMSRGapLimitCACLRRelativeState
- rsspecan_QueryMSRGapLimitACLRResult
- rsspecan_ConfigureSEMSymmetricalSetup
- rsspecan_ConfigureSpuriousFrequencyPlanSettings
- rsspecan_ConfigureSpuriousFrequencyPlanIdentifier
- rsspecan_ConfigureSpuriousFrequencyPlanComponentType
- rsspecan_ConfigureSpuriousFrequencyPlanComponentDelete
- rsspecan_TransferSpuriousFrequencySpursToTable
- rsspecan_ConfigureSpuriousFrequencyPlanInputFrequencySettings
- rsspecan_ConfigureIQOscilloscopeCoupling
- rsspecan_ConfigurePulseMeasurementDetectionSettings
- rsspecan_ConfigurePulseTopLevelFixed
- rsspecan_ConfigurePulsePulseSettings

- rsspecan_ConfigurePulsePulseWindowType
- rsspecan_QueryPulsePulseResolutionBandwidth
- rsspecan_QueryPulseCountAll
- rsspecan_QueryPulseCountCurrentBuffer
- rsspecan_QueryPulseCountPower
- rsspecan_QueryPulseCountTiming
- rsspecan_QueryPulseCountFrequency
- rsspecan_QueryPulseCountPhase
- rsspecan_QueryPulseCountTimeSidelobe
- rsspecan_QueryPulseCountEnvelopeModel
- rsspecan_ConfigureAmplifierGeneratorMaximumPower
- rsspecan_QueryAmplifierGeneratorMaximumPowerLEDState
- rsspecan_ConfigureAmplifierGeneratorControlEnabled
- rsspecan_ConfigureAmplifierDirectDPDGainExpansion
- rsspecan_QueryAmplifierDirectDPDOperationStatus
- rsspecan_QueryAmplifierDirectDPDPolynomial
- rsspecan_ConfigureAmplifierWindowResultSummaryDisplayAll
- rsspecan_ConfigureAmplifierWindowResultParameterSweepTableAll
- rsspecan_GetAmplifierBasebandPowerResults
- rsspecan_GetAmplifierParameterTablePowerOutputResults
- rsspecan_GetAmplifierCompressionPointSweepTableResults
- rsspecan_ConfigureEMIFinalMeasurementMarkerDwellTimer
- rsspecan_ConfigureEMIFinalMeasurementDeltaMarkerDwellTime
- rsspecan_ConfigureTransientAnalysisHopResultTableFMSettling
- rsspecan_ConfigureTransientAnalysisHopResultTablePMSettling
- rsspecan_ConfigureTransientAnalysisChirpResultTableFMSettling
- rsspecan_ConfigureTransientAnalysisChirpResultTablePMSettling
- rsspecan_ConfigureTransientAnalysisChirpResultTableFrequencyINL
- rsspecan_ConfigureVSAFrameAPSKNState
- rsspecan_ConfigureVSAFrameASKNState
- rsspecan_ConfigureVSADemodulationSymbolRecordLength
- rsspecan_ConfigureVSAEqualizerFileFormat
- rsspecan_QueryVSABERSymbolError
- rsspecan_QueryVSABurstInformation
- rsspecan_QueryVSAPatternInformation
- rsspecan_ConfigureVSAEvaluationRange - changed data types of Start and Stop parameters from ViInt32 to ViReal64
- VSA -> Configuration -> Digital Standard -> Digital IQ 40G (Class)
- rsspecan_ConfigureWLANInterpolationType
- rsspecan_FetchWLANSpectrumFlatnessSummary
- rsspecan_ConfigureWiGigDataAcquisitionRates
- rsspecan_FetchWiGigSignalToRatioStatistics
- rsspecan_QueryLTEDownlinkPhysicalLayerCellIdentity
- rsspecan_QueryLTEDownlinkMeasurementCyclicPrefix
- rsspecan_QueryLTEUplinkPhysicalLayerCellIdentity
- rsspecan_LTEUplinkSelectTab
- rsspecan_QueryLTEUplinkMeasurementCyclicPrefix
- rsspecan_ConfigureNBIoTDownlinkMeasurementMode
- rsspecan_ConfigureNBIoTDownlinkGuardband
- rsspecan_ConfigureNBIoTDownlinkGuardbandUser
- rsspecan_ConfigureNBIoTDownlinkAnalysisYAxisScaling
- rsspecan_NBIoTDownlinkSEM
- rsspecan_NBIoTDownlinkAddWindow
- rsspecan_NBIoTDownlinkReplaceWindow
- rsspecan_NBIoTDownlinkSelectTab
- rsspecan_Configure5GNRDLCompleteSignalDemodulation
- rsspecan_Configure5GNRDLLongCapture
- rsspecan_Configure5GNRDLDataCaptureAccordingToStandard
- rsspecan_Configure5GNRDLDataCaptureMaximumSlotsPerFrameToAnalyze
- rsspecan_Configure5GNRDLSegmentedCapture

- rsspecan_NR5GDLAutoEVM
- rsspecan_NR5GDLAutoLevelAll
- rsspecan_Configure5GNRDLTracking
- rsspecan_Configure5GNRDLDemodulation
- rsspecan_Configure5GNRDLCCPhysicalSettingsLoadTestModel
- rsspecan_Configure5GNRDLBandwidthPartDemodulation
- rsspecan_Configure5GNRDLPDSCHCodewordModulation
- rsspecan_Configure5GNRDLEnhancedPDSCHSettings
- rsspecan_Configure5GNRDLEnhancedPDSCHChannelCoding
- rsspecan_Configure5GNRDLEnhancedPDSCHScrambling
- rsspecan_Configure5GNRDLCORESETPrecoderGranularity
- rsspecan_Configure5GNRDLCORESETDMRSReferencePoint
- rsspecan_Configure5GNRDLCORESETInterleaving
- rsspecan_Configure5GNRDLCORESETPDCCH
- rsspecan_Configure5GNRDLSynchronizationSignalOffsetRelativeTo
- rsspecan_Configure5GNRDLSynchronizationSignalLSelection
- rsspecan_Configure5GNRDLAnalysisShowResultSummaryItems
- rsspecan_Configure5GNRDLAnalysisCCResult
- rsspecan_Configure5GNRDLAnalysisCarrierAxes
- rsspecan_Configure5GNRDLAnalysisEvaluationRangeSegment
- rsspecan_Configure5GNRDLAnalysisEvaluationRangeBeamformingReferenceAP
- rsspecan_Configure5GNRDLAnalysisEvaluationRangeBeamformingAntennaPort
- rsspecan_Query5GNRDLAnalysisEVMAllStatistics
- rsspecan_Query5GNRDLAnalysisEVMPDSCHStatistics
- rsspecan_Query5GNRDLAnalysisEVMPDSCHLimitCheckResult
- rsspecan_Query5GNRDLAnalysisEVMPhysicalStatistics
- rsspecan_Query5GNRDLAnalysisEVMSignalPowerStatistics
- rsspecan_Query5GNRDLAnalysisEVMFrequencyErrorStatistics
- rsspecan_Query5GNRDLAnalysisEVMSamplingErrorStatistics
- rsspecan_Query5GNRDLAnalysisIQGainImbalance
- rsspecan_Query5GNRDLAnalysisIQOffset
- rsspecan_Query5GNRDLAnalysisIQQuadratureError
- rsspecan_Query5GNRDLAnalysisOSTP
- rsspecan_Query5GNRDLAnalysisCSIRSRP
- rsspecan_Query5GNRDLAnalysisSSRSRP
- rsspecan_Query5GNRDLAnalysisRSTP
- rsspecan_Query5GNRDLAnalysisCrestFactor
- rsspecan_Configure5GNRDLAnalysisSweepBaseStationType
- rsspecan_Configure5GNRDLAnalysisSweepSEMPosition
- rsspecan_Query5GNRDLACPChannelLimitCheckResults
- rsspecan_Configure5GNRULEnhancedPUSCHSettings
- rsspecan_Configure5GNRULPUSCHAllocations
- rsspecan_Configure5GNRDLPUSCHAllocationType
- rsspecan_Configure5GNRULAnalysisShowResultSummaryItems
- 5G NR -> Downlink -> Configuration -> Frame -> CSI RS (Class)
- 5G NR -> Downlink -> Configuration -> Antenna Port Mapping (Class)
- 5G NR -> Downlink -> Configuration -> Power On Off Measurements (Class)
- 5G NR -> Downlink -> Configuration -> Layout (Class)
- 5G NR -> Downlink -> Analysis -> Power On Off Measurements (Class)
- 5G NR -> Downlink -> Analysis -> Time Alignment Measurement (Class)
- 5G NR -> Downlink -> Analysis -> Trace Data (Class)

* Updated:
- rsspecan_AddMeasurementChannel - channel type
- rsspecan_ConfigureRFInputState
- rsspecan_ConfigureSyncParameterCouplingEnabled
- rsspecan_ConfigureDisplayFocusedArea - subwindow
- rsspecan_ConfigureListPowerSequence
- rsspecan_ConfigureMSRNumberOfSubblocks - range

- rsspecan_ConfigureMSRTxChannelDefinition - subblock range
- rsspecan_QueryMSRTxName - subblock range
- rsspecan_ConfigureMSRGapSize - help
- rsspecan_ConfigureMSRGapChannel - help
- rsspecan_ConfigureMSRGapLimitChecking - help
- rsspecan_FileManagerOperations - help
- rsspecan_ConfigurePulseTopLevel
- rsspecan_ConfigurePWMAbsolute - unit
- rsspecan_ConfigurePhaseRFInput - Source params
- rsspecan_QueryEMIFinalMeasurementDeltaMarkerLimitLine - help
- rsspecan_ConfigureTransientAnalysisChirpResultTable - Range table updated
- rsspecan_ConfigureTransientAnalysisParameterDistributionChirpFrequency - Range table updated
- rsspecan_ConfigureTransientAnalysisParameterTrendHopFrequency
- rsspecan_ConfigureTransientAnalysisParameterTrendHopFrequencyAxis
- rsspecan_ConfigureTransientAnalysisParameterTrendHopPower - Range table updated
- rsspecan_ConfigureTransientAnalysisParameterTrendHopState - Range table updated
- rsspecan_ConfigureTransientAnalysisParameterTrendHopTiming - Range table updated
- rsspecan_ConfigureTransientAnalysisParameterTrendHopPhase - Range table updated
- rsspecan_ConfigureTransientAnalysisParameterTrendChirpFrequency
- rsspecan_ConfigureTransientAnalysisParameterTrendChirpFrequencyAxis
- rsspecan_ConfigureTransientAnalysisParameterTrendChirpPower - Range table updated
- rsspecan_ConfigureTransientAnalysisParameterTrendChirpState - Range table updated
- rsspecan_ConfigureTransientAnalysisParameterTrendChirpTiming
- rsspecan_ConfigureTransientAnalysisParameterTrendChirpPhase - Range table updated
- rsspecan_QueryTransientAnalysisHopResultFrequency - added command help + edit code
- rsspecan_QueryTransientAnalysisChirpResultFrequency - added commnad help + edit code
- rsspecan_ConfigureNBIoTDownlinkDeployment
- rsspecan_Configure5GNR
- rsspecan_Configure5GNRDLDataCapture
- rsspecan_Configure5GNRDLPhysicalSettings
- rsspecan_Configure5GNRDLPDSCHModulation
- rsspecan_Configure5GNRDLAnalysisEvaluationRangeBandwidthPart - new command
- rsspecan_ConfigureTDSUESyncToSlotMode - using different attribute
- rsspecan_QueryPulseResultLimitTiming

* Updated repeated capabilities:
- LTETAERAntenna - changed from Ant2...Ant4 to TAERAnt2...TAERAnt4
- GSMCarrier - changed from Carr1...Carr16 to GSMCarr1...GSMCarr16
- Line - changed from L1...L2 to Line1...Line2
- PnoRange - changed from R1...R20 to PNR1...PNR20
- WLAN_MIMOAntenna - changed from TX1...TX4 to WLANTX1...WLANTX4

* Deleted deprecated attributes and their repeated capabilities that are non numeric -
  all for C only, all of them have alternative attributes
        List of removed repeated capabilities:
        - ModifMinMaxAver
        - ModifAboveBelow
        - ProbeNumber
        - MinMax
        - StatisticMeasType
        - PulsePowerTable
        - VSAResultType
        - VSALimitType
        - VSABerRate
        - VSABerErrors
        - VSABerBits
        - StatisticsCounter
        - WcdmaChannel

- PulsePhaseTable
- LeftRight
- PulseThreshold
- GSMMeasType
- GSMMeasModif
- GSMBurstType
- GSMSpectrumType
- GSMPerc
- GSMBurstSel
- GSMBurstModif
- NoiseMarkerRes
- ResultDetector
- AnalogModulation
- LowHighPass
- FMOffsetResult
- FMSChannel
- FMSMeasType
- ModifStopStart
- ModifLowUpp
- BtoRtpPacketSection

 * Deleted deprecated attributes (their existing alternatives):
 - RSSPECAN_ATTR_3GBS_CPICH_CODE - RSSPECAN_ATTR_3GPP_CPICH_CODE
 - RSSPECAN_ATTR_3GBS_CPICH_MODE - RSSPECAN_ATTR_3GPP_CPICH_MODE
 - RSSPECAN_ATTR_3GBS_CPICH_PATTERN -
RSSPECAN_ATTR_3GPP_CPICH_PATTERN
 - RSSPECAN_ATTR_3GUE_CDP_CHAN_CODE -
RSSPECAN_ATTR_3GBS_RESULTS_SELECT_CHAN
 - RSSPECAN_ATTR_3GUE_CDP_HSDPAUPA_STATE -
RSSPECAN_ATTR_3GBS_WCDP_HSDPAUPA_STATE
 - RSSPECAN_ATTR_3GUE_CDP_INACT_CHAN_THR -
RSSPECAN_ATTR_3GBS_WCDP_INACT_CHAN_THR
 - RSSPECAN_ATTR_3GUE_CDP_INVERT_Q -
RSSPECAN_ATTR_3GBS_WCDP_INVERT_Q
 - RSSPECAN_ATTR_3GUE_CDP_MULTIFRAME_CAPTURE_LENGTH -
RSSPECAN_ATTR_3GBS_WCDP_MULTIFRAME_CAPTURE_LENGTH
 - RSSPECAN_ATTR_3GUE_CDP_MULTIFRAME_FRAME_ANALYZE -
RSSPECAN_ATTR_3GBS_WCDP_MULTIFRAME_FRAME_ANALYZE
 - RSSPECAN_ATTR_3GUE_CDP_NORM - RSSPECAN_ATTR_3GBS_WCDP_NORMALIZE
 - RSSPECAN_ATTR_3GUE_CDP_SCR_CODE - RSSPECAN_ATTR_3GBS_SCODE
 - RSSPECAN_ATTR_3GUE_CDP_SFAC - RSSPECAN_ATTR_3GBS_RESULTS_SFAC
 - RSSPECAN_ATTR_3GUE_CDP_SIDEBAND -
RSSPECAN_ATTR_3GBS_WCDP_SIDE_BAND
 - RSSPECAN_ATTR_3GUE_CDP_SLOT -
RSSPECAN_ATTR_3GBS_RESULTS_SELECT_CPICH_SLOT
 - RSSPECAN_ATTR_AMPLIFIER_DPD_MODELING_ORDER -
RSSPECAN_ATTR_AMPLIFIER_DPD_SEQUENCE
 - RSSPECAN_ATTR_DIGITAL_BASEBAND_INPUT_TRIGGER_HOLDOFF -
RSSPECAN_ATTR_TRIGGER_IFP_OFFSET
 - RSSPECAN_ATTR_DIGITAL_BASEBAND_INPUT_TRIGGER_SOURCE -
RSSPECAN_ATTR_TRIGGER_SOURCE
 - RSSPECAN_ATTR_IQ_DATA_WBAND_STATE -
RSSPECAN_ATTR_IQ_MAX_BANDWIDTH_EXTENSION
 - RSSPECAN_ATTR_LTE_DOWNLINK_IQ_SWAP - RSSPECAN_ATTR_BB_SWAP_IQ
 - RSSPECAN_ATTR_LTE_UPLINK_IDENTITY_VALUE -
RSSPECAN_ATTR_LTE_UPLINK_CELL_IDENTITY
 - RSSPECAN_ATTR_LTE_UPLINK_INPUT - RSSPECAN_ATTR_BB_INPUT_SELECTION
 - RSSPECAN_ATTR_LTE_UPLINK_IQ_SWAP - RSSPECAN_ATTR_BB_SWAP_IQ
 - RSSPECAN_ATTR_LTE_UPLINK_RF_ATTENUATION - RSSPECAN_ATTR_ATTENUATION

 - RSSPECAN_ATTR_MARKER_PEAK_LIST_PEAK_LABELS -
RSSPECAN_ATTR_MARKER_PEAK_LIST_ANNOTATION_LABEL
 - RSSPECAN_ATTR_MEAS_POW_CHANNEL_BANDWIDTH -
RSSPECAN_ATTR_POW_CHANNEL_BANDWIDTH
 - RSSPECAN_ATTR_SEM_WEIGHT_FILTER_ALT_ALPHA -
RSSPECAN_ATTR_POWER_ALT_CHANNEL_WEIGHTING_FILTER_ALPHA_VALUE
 - RSSPECAN_ATTR_SEM_WEIGHT_FILTER_ALT_STATE -
RSSPECAN_ATTR_POWER_ALT_CHANNEL_WEIGHTING_FILTER_STATE
 - RSSPECAN_ATTR_SEM_WEIGHT_FILTER_TX_CHANNEL_ALPHA -
RSSPECAN_ATTR_POWER_CHANNEL_WEIGHTING_FILTER_ALPHA
 - RSSPECAN_ATTR_SEM_WEIGHT_FILTER_TX_CHANNEL_STATE -
RSSPECAN_ATTR_POWER_CHANNEL_WEIGHTING_FILTER
 - RSSPECAN_ATTR_SERVICE_NOISE_SOURCE -
RSSPECAN_ATTR_NOISE_SOURCE_STATE
 - RSSPECAN_ATTR_TDUE_STS_MODE - RSSPECAN_ATTR_TDBS_STS_MODE
 - RSSPECAN_ATTR_TRIGGER_RFP_HOLDOFF -
RSSPECAN_ATTR_TRIGGER_IFP_OFFSET
 - RSSPECAN_ATTR_VSA_EVAL_LINE - RSSPECAN_ATTR_VSA_EVAL_LINE_START or
RSSPECAN_ATTR_VSA_EVAL_LINE_STOP
 - RSSPECAN_ATTR_WLAN_FETC_PAYL -
RSSPECAN_ATTR_WLAN_FETC_PAYL_AVERAGE
 - RSSPECAN_ATTR_WLAN_FETC_PEAK -
RSSPECAN_ATTR_WLAN_FETC_PEAK_AVERAGE
 - RSSPECAN_ATTR_WLAN_FETC_PRE -
RSSPECAN_ATTR_WLAN_FETC_PRE_AVERAGE
 - RSSPECAN_ATTR_WLAN_INIT - RSSPECAN_ATTR_INIT
 - RSSPECAN_ATTR_WLAN_INIT_CONT -
RSSPECAN_ATTR_SWEEP_MODE_CONTINUOUS
 - RSSPECAN_ATTR_WLAN_PVR_MODE -
RSSPECAN_ATTR_WLAN_PEAK_ERROR_VECTOR_MEAS_RANGE

4.8 Version 4.30.0 / 2019 - 06

* New Core 3.5.0
* Added support for FSV3000, FSVA3000

4.9 Version 4.20.0 / 2018 - 11

* Added support for FSW 3.40
* Added support for FSWP 1.70
* Added support for NB IoT Downlink (K106)
* Added support for FPS and FSWP to Power Meter (K9)
* Removed support for WiMAX

* New:
- rsspecan_ConfigureAUXPortControlLinesState
- rsspecan_ConfigureFrequencyLevel
- rsspecan_ConfigureFrequencyTrigger
- rsspecan_ConfigureSpuriousTracking
- rsspecan_ConfigureAdvancedReferenceFrequencyInput
- rsspecan_ConfigureAdvancedExternalReferenceCoupling
- rsspecan_HardcopyPageIncludeAllWindows
- rsspecan_HardcopyPageIncludeSelectedWindow

- rsspecan_ConfigureAnalogBasebandInputAttenuationIQInterface
- rsspecan_ConfigureAnalogBasebandYIGFilterEnabled
- rsspecan_ConfigurePulseMarkerLabelsForPeaks
- rsspecan_QueryNoiseMemoryResults
- rsspecan_QueryNoiseArrayScalarResults
- rsspecan_ConfigurePhaseSmoothingSettings
- rsspecan_ConfigurePhaseSignalLevel
- rsspecan_ConfigurePhasePulseGateSource
- rsspecan_ConfigurePhasePulseExternalGateLevel
- rsspecan_ConfigurePhaseFrequencyStability
- rsspecan_TransientAnalysisYAxisGridMode
- rsspecan_GetPhaseNoiseLimitLineCompatible
- rsspecan_GetAllanVarianceAndDeviation
- rsspecan_ReadPhaseTraceDataLinearInterpolation
- rsspecan_ReadPhaseTraceNumberOfMeasurementPoints
- rsspecan_FetchPhaseResidualDUTGain

* Updated:
- rsspecan_ConfigureTriggerSource
- rsspecan_MoveWindow
- rsspecan_AddPhaseWindow
- rsspecan_ReplacePhaseWindow
- rsspecan_GetPhaseIntegratedMeasurementResult

* Deleted deprecated functions (their existing alternatives):
- rsspecan_ConfigureMarkerSearchLimitsZoom - rsspecan_ConfigureMarkerZoom
- rsspecan_SEMMarkAllPeaks - rsspecan_ConfigureSEListEvaluation
- rsspecan_ConfigureSignalTrack - rsspecan_ConfSignalTrack
- rsspecan_ConfigureDisplayControl - rsspecan_ConfigureDisplay
- rsspecan_ConfigureUnitPower - rsspecan_ConfigureReferenceLevelUnits
- rsspecan_ConfigureVerticalScale - rsspecan_ConfigureVerticalScaling
- rsspecan_ConfigureSignalTrack - rsspecan_ConfSignalTrack
- rsspecan_ConfigureDisplayReferencePosition - rsspecan_ConfigureVerticalRange
- rsspecan_ConfigureDisplayAmplitudeGridMode - rsspecan_ConfigureVerticalRange
- rsspecan_ConfigureMarkerSearchLimits - rsspecan_ConfigMarkerSearchLimits
- rsspecan_ConfigureMarkerPeakList - rsspecan_ConfMarkerPeakList
- rsspecan_ActivateMarkerPeakSearch - rsspecan_ConfigureMarkerPeakListState
- rsspecan_ConfigureMarkerPeakListSettings - rsspecan_ConfMarkerPeakList
- rsspecan_ConfigureDisplayLineState - rsspecan_ConfigureDisplayLine
- rsspecan_ConfigureDisplayLinePosition - rsspecan_ConfigureDisplayLine
- rsspecan_ConfigureTransducerFactorRefLevAdj - rsspecan_ConfTransducerFactor
- rsspecan_ConfigureDisplayTransducerState - rsspecan_SelectTransducerFactor
- rsspecan_ConfigurePowerMeasurement - rsspecan_ConfigureChannelPowerMeasurement
- rsspecan_ConfigureChannelPowerNoiseCorrection -
rsspecan_ConfigureChannelPowerMeasurement
- rsspecan_ConfigureChannelPowerNoiseCorrectionAuto -
rsspecan_ConfigureChannelPowerMeasurement
- rsspecan_ConfigureChannelPowerTrace - rsspecan_ConfigureChannelPowerMeasurement
- rsspecan_ConfigureSEMPeakSearch - rsspecan_ConfigureSEListEvaluation
- rsspecan_ConfigureSESweepListLimits - rsspecan_ConfigureSEMRangeLimits
- rsspecan_ConfigureSEPeakSearch - rsspecan_ConfigureSEListEvaluation
- rsspecan_ConfigureSignalStatisticMeasurementXAxis -
rsspecan_ConfigureSignalStatisticScaleXAxis
- rsspecan_ConfigureSignalStatisticSweep - rsspecan_ConfigureSweepMode
- rsspecan_ConfigureHDistMeasurement - rsspecan_ConfigureHDist
- rsspecan_QueryHDistHarmonicsList - rsspecan_QueryHDistHarmList
- rsspecan_getStatusRegister - rsspecan_getStatusRegisterQuery
- rsspecan_ConditionFrequencyRegister - rsspecan_getStatusRegisterQuery
- rsspecan_ConditionLimitRegister - rsspecan_getStatusRegisterQuery
- rsspecan_ConditionLimitMarginRegister - rsspecan_getStatusRegisterQuery

- rsspecan_ConditionACPLimitRegister - rsspecan_getStatusRegisterQuery
- rsspecan_ConditionPowerRegister - rsspecan_getStatusRegisterQuery
- rsspecan_ConditionSyncRegister - rsspecan_getStatusRegisterQuery
- rsspecan_ConfigurePulseRFInput - rsspecan_ConfigureRFInput, rsspecan_ConfigureRFInputWithUserImpedance, rsspecan_ConfigureYIGFilter
- rsspecan_ConfigurePulseFrequencyStepSize - rsspecan_ConfigureFrequencyStepSize
- rsspecan_ConfigurePulseMechanicalAttenuator - rsspecan_ConfigureAttenuation
- rsspecan_ConfigurePulseElectronicAttenuator - rsspecan_ConfigureElectronicAttenuator
- rsspecan_ConfigurePulsePreamplifier - rsspecan_ConfigurePreamplifier
- rsspecan_ConfigurePulseMeasurementPoint - rsspecan_ConfigurePulseMeasurementRange
- rsspecan_ConfigurePulseMeasurementPointAveragingWindow - rsspecan_ConfigurePulseMeasPoint
- rsspecan_ConfigurePulseMarker - rsspecan_ConfigureMarker
- rsspecan_ConfigurePulseDeltaMarker - rsspecan_ConfigureDeltaMarker
- rsspecan_ConfigureVSAFullScaleLevelUnit - RSSPECAN_ATTR_DIGITAL_BASEBAND_INPUT_UNIT
- rsspecan_VSAAdjustReferenceLevelToFullScaleLevel - RSSPECAN_ATTR_DIGITAL_INPUT_RANGE
- rsspecan_ConfigureVSAUnitYAxis - rsspecan_ConfigureVSADisplayYAxis
- rsspecan_Configure3GPPBSSingleAntennaMIMOMode - rsspecan_Configure3GPPBSSignalDescription
- rsspecan_Search3GPPBSScramblingCode - rsspecan_Search3GPPScramblingCode
- rsspecan_Get3GPPBSTrace - rsspecan_Get3GPPTrace
- rsspecan_Configure3GPPUEMultiframe - rsspecan_Configure3GPPBSMultiframe
- rsspecan_Configure3GPPUEResultType - rsspecan_Get3GPPUEResult
- rsspecan_ConfigureTDSInput - rsspecan_ConfigureRFInput, rsspecan_ConfigureRFInputWithUserImpedance, rsspecan_ConfigureYIGFilter
- rsspecan_ConfigureTDSReferenceLevel - rsspecan_ConfigureReferenceLevel, rsspecan_ConfigureReferenceLevelOffset
- rsspecan_ConfigureTDSMechanicalAttenuator - rsspecan_ConfigureAttenuation
- rsspecan_ConfigureTDSElectronicAttenuator - rsspecan_ConfigureElectronicAttenuator
- rsspecan_ConfigureTDSPreamplifier - rsspecan_ConfigurePreamplifier
- rsspecan_ConfigureTDSEvaluationRange - rsspecan_ConfigureTDSEvalRange
- rsspecan_GetTDSBSResult, rsspecan_GetTDSUEResult - rsspecan_GetTDSResult
- rsspecan_FetchTDSBSTrace, rsspecan_FetchTDSUETrace - rsspecan_FetchTDSTrace
- rsspecan_ConfigureWLANReferenceLevel - rsspecan_ConfigureReferenceLevel, rsspecan_ConfigureReferenceLevelOffset
- rsspecan_ConfigureDigitalBasebandInputTriggerSource - rsspecan_ConfigureAnalogBasebandTrigger
- rsspecan_ConfigureDigitalBasebandInputTriggerParameters - rsspecan_ConfigureBasebandPowerTriggerLevel
- rsspecan_ConfigureExternalGenerator... - rsspecan_ExternalGenerator...
- rsspecan_ConfigureADemodTHDUnit - rsspecan_ConfigureADemodUnit
- rsspecan_ConfigureAnalogDemodSquelch - rsspecan_ConfigureAnalogDemod
- rsspecan_ConfigureADemodAFCoupling - rsspecan_ConfigureAnalogDemod
- rsspecan_SelectAnalogDemodTrace - rsspecan_ConfigureAnalogDemod
- rsspecan_ConfigureMDOAdvancedSettings - 'RSSPECAN_ATTR_MDO_...
- rsspecan_ConfigureMC2KAdvancedSettings - 'RSSPECAN_ATTR_MC2K_...
- rsspecan_ConfigureBDOCodeDomainAnalyzerSettings - RSSPECAN_ATTR_BDO_CDP_CODE, RSSPECAN_ATTR_C2K_CDP_SLOT
- rsspecan_ConfigureBDOCDPChannelType - RSSPECAN_ATTR_BDO_CDP_...
- rsspecan_ConfigureMC2KPichMarkerSettings - rsspecan_ConfigureBC2KPichMarkerSettings
- rsspecan_ConfigureBC2KSEM, rsspecan_ConfigureMC2KSEM, rsspecan_ConfigureBDOSEM, rsspecan_ConfigureMDOSEM - rsspecan_ConfigureSEM
- rsspecan_ConfigureSpectrogramSweep - rsspecan_ConfigureSweepMode
- rsspecan_ConfigurePersistenceSpectrumParameters, rsspecan_ConfigurePersistenceSpectrumTraceStyle - rsspecan_ConfigurePersistenceSpectrum, rsspecan_ConfigurePersistenceSpectrumTraceStyle
- rsspecan_ConfigureIFOutputSource, rsspecan_ConfigureIFOutFrequency - rsspecan_ConfigureIFOutput

- rsspecan_ConfigurePreamplifierState, rsspecan_ConfigurePreamplifierLevel - rsspecan_ConfigurePreamplifier
- rsspecan_ConfigureSweepType, rsspecan_ConfigureSweepOptimization, rsspecan_ConfigureFFTFilterMode - rsspecan_ConfigureSweep
- rsspecan_Calibration - rsspecan_CalibrationSync
- rsspecan_Get3GPPUETrace - rsspecan_Get3GPPTrace
- rsspecan_setVSAModulationStatusRegister, rsspecan_getVSAModulationStatusRegister - rsspecan_setVSAModStatusRegister, rsspecan_getVSAModStatusRegister
- rsspecan_ConfigureMulticarrierACPPower - rsspecan_ConfigureChannelPowerMeasurement
- rsspecan_ConfigurePowerChannelWeightingFilters - ConfigureChannelPowerMeasurement
- rsspecan_ConfigureRFInputCoupling - rsspecan_ConfigureRFInput
- rsspecan_ConfigureDisplayLogRange - rsspecan_ConfigureVerticalRange
- rsspecan_ConfigureMarkerSearchThreshold - rsspecan_ConfigMarkerSearchLimits
- rsspecan_ConfigureDisplayYAxisScaling - rsspecan_ConfigurePulseRelativeScaling
- rsspecan_TraceIQAveraging - rsspecan_ConfigureAveraging, rsspecan_ConfigureAveragingCount
- rsspecan_TraceIQRecordLength - rsspecan_ConfigureIQDataAcquisition
- rsspecan_TraceIQSamplingRate - rsspecan_ConfigureIQDataAcquisition
- rsspecan_ConfigureMarkerSearchLocalOscillator, rsspecan_ConfigureMarkerSearchPeakExcursion - rsspecan_ConfigureMarkerSearch
- rsspecan_ProbeMicroButtonAction - rsspecan_ProbesMicroButtonAction
- rsspecan_GetProbeInformation, rsspecan_GetProbeType - rsspecan_GetProbesInformation
- rsspecan_ConfigureVSADisplayWindowState - rsspecan_ConfigureDisplayMeasurementWindowState
- rsspecan_Configure3GPPBSMeasurement - rsspecan_Configure3GPPBSCodeDomain, rsspecan_Configure3GPPBSSignalDescription, rsspecan_Configure3GPPSynchronization, rsspecan_Configure3GPPSignalCapture, rsspecan_Configure3GPPBSInactiveChannelThreshold
- rsspecan_ConfigureExternalGateTrace - rsspecan_ConfigureSignalStatisticGateRange, rsspecan_ConfigureSignalStatisticGate
- rsspecan_ConfigureMarkerDemodulation - rsspecan_ConfMarkerDemodulation
- rsspecan_ConfigureMarkerPeakList - rsspecan_MarkerPeakListSearch, rsspecan_ConfMarkerPeakList
- rsspecan_ConfigureMarkerDemodulation - rsspecan_ConfMarkerDemodulation
- rsspecan_TraceIQSet, rsspecan_TraceIQAveraging - rsspecan_ConfigureIQSet
- rsspecan_ConfigureTransducerFactor - rsspecan_ConfTransducerFactor, rsspecan_DefineTransducerFactor, rsspecan_ConfTransducerFactor
- rsspecan_ConfigureIFPowerTrigger, rsspecan_ConfigureIFPowerTriggerParameters, rsspecan_ConfigureRFPowerTriggerHoldoff - rsspecan_ConfIFPowerTrigger
- rsspecan_LinkMarkerAndDeltamarker - rsspecan_LinkingDeltaMarkerToMarker
- rsspecan_rsspecan_ServiceConfigureNoise - rsspecan_ConfigureNoiseSource
- rsspecan_ServiceConfigureInput - rsspecan_ConfigureCalibrationSignal
- rsspecan_ConfigureDisplaySettings, rsspecan_ConfigureDisplaySoftFrontpanel - rsspecan_ConfigureDisplay
- rsspecan_ConfigureExternalGeneratorFrequencySweep - rsspecan_ConfigureExternalGeneratorAutomaticFrequency
- rsspecan_ConfigureExternalGeneratorFrequency - rsspecan_ConfigureExternalGeneratorManualFrequency
- rsspecan_ConfigureExternalGeneratorPower, rsspecan_ConfigureExternalGeneratorSource - rsspecan_ConfigureExternalGeneratorMeasurement
- rsspecan_ConfigureExternalGeneratorRefOscillator - rsspecan_ConfigureExternalGeneratorGPIB
- rsspecan_Configure3GPPAntennaSynchronization - rsspecan_Configure3GPPAntennaSync
- rsspecan_Configure3GPPUEResults - rsspecan_Configure3GPPBSResults
- rsspecan_Configure3GPPUEMeasurement - rsspecan_Configure3GPPUESignalDescription, rsspecan_Configure3GPPUEFrameMode, rsspecan_Configure3GPPSignalCapture, rsspecan_Configure3GPPBSInactiveChannelThreshold, rsspecan_Configure3GPPUECodeDomain
- rsspecan_ConfigureLevel - rsspecan_ConfigureReferenceLevel, rsspecan_ConfigureReferenceLevelOffset, rsspecan_ConfigureReferenceLevelUnits, rsspecan_ConfigureRFInput, rsspecan_ConfigureAttenuation

- rsspecan_ConfigureSweep - rsspecan_ConfigureSweepType
- rsspecan_ConfigureSweepOptimization - rsspecan_ConfigureSweep
- rsspecan_QueryTPISTimeOffset - rsspecan_QueryTriggerPositionInSample

* Deleted deprecated attributes (their existing alternatives):
- RSSPECAN_ATTR_SHOW_NETWORK_FOLDER_INFO -
RSSPECAN_ATTR_USED_NETWORK_DRIVES
- RSSPECAN_ATTR_PULSE_SIGNAL_DROOP_STATE -
RSSPECAN_ATTR_PULSE_SIGNAL_DROOP_ENABLED
- RSSPECAN_ATTR_PULSE_SIGNAL_OFFSET_VALUE -
RSSPECAN_ATTR_PULSE_SIGNAL_FREQUENCY_OFFSET
- RSSPECAN_ATTR_PULSE_DETECTION_REF_SOURCE -
RSSPECAN_ATTR_PULSE_DETECTION_REFERENCE_SOURCE
- RSSPECAN_ATTR_PULSE_DETECTION_LIMIT_STATE -
RSSPECAN_ATTR_PULSE_DETECTION_LIMIT_ENABLED
- RSSPECAN_ATTR_FMDEM_MODE - RSSPECAN_ATTR_FM_DEMOD_MODE
- RSSPECAN_ATTR_FMDEM_STATE - RSSPECAN_ATTR_FM_DEMOD_ENABLED
- RSSPECAN_ATTR_ADEM_PRESET_LOAD -
RSSPECAN_ATTR_ANALOG_DEMOD_PRESET_LOAD
- RSSPECAN_ATTR_ADEM_PRESET_STORE -
RSSPECAN_ATTR_ANALOG_DEMOD_PRESET_STORE
- RSSPECAN_ATTR_ADEM_PRESET_RESTORE -
RSSPECAN_ATTR_ANALOG_DEMOD_PRESET_RESTORE
- RSSPECAN_ATTR_ADEM_TRIGGER_FM_LEVEL_ABS -
RSSPECAN_ATTR_ANALOG_DEMOD_TRIGGER_FM_LEVEL
- RSSPECAN_ATTR_ADEM_TRIGGER_AM_LEVEL_ABS -
RSSPECAN_ATTR_ANALOG_DEMOD_TRIGGER_AM_LEVEL_ABS
- RSSPECAN_ATTR_ADEM_TRIGGER_PM_LEVEL -
RSSPECAN_ATTR_ANALOG_DEMOD_TRIGGER_PM_LEVEL
- RSSPECAN_ATTR_ADEM_TRIGGER_AM_LEVEL_REL -
RSSPECAN_ATTR_ANALOG_DEMOD_TRIGGER_AM_LEVEL_RELATIVE
- RSSPECAN_ATTR_ADEM_TRIGGER_AM_LEVEL -
RSSPECAN_ATTR_ANALOG_DEMOD_TRIGGER_AM_LEVEL_ABS
- RSSPECAN_ATTR_FMDEM_BAND_DEM - RSSPECAN_ATTR_FM_DEMOD_BANDWIDTH
- RSSPECAN_ATTR_FMDEM_MTIM - RSSPECAN_ATTR_FM_DEMOD_MEAS_TIME
- RSSPECAN_ATTR_FMDEM_SQUELCH - RSSPECAN_ATTR_FM_DEMOD_SQUELCH
- RSSPECAN_ATTR_FMDEM_SQUELCH_LEVEL -
RSSPECAN_ATTR_FM_DEMOD_SQUELCH_LEVEL
- RSSPECAN_ATTR_FMDEM_AF_COUP - RSSPECAN_ATTR_FM_DEMOD_AF_COUPLING
- RSSPECAN_ATTR_ADEM_PM_RPO_X -
RSSPECAN_ATTR_ANALOG_DEMOD_ZERO_PHASE_REF_POINT
- RSSPECAN_ATTR_ADEMD_PHASE_WRAP -
RSSPECAN_ATTR_ANALOG_DEMOD_PHASE_WRAP
- RSSPECAN_ATTR_FMDEM_ZOOM - RSSPECAN_ATTR_FM_DEMOD_ZOOM_ENABLED
- RSSPECAN_ATTR_FMDEM_ZOOM_START -
RSSPECAN_ATTR_FM_DEMOD_ZOOM_START
- RSSPECAN_ATTR_FMDEM_ZOOM_LENGTH_MODE -
RSSPECAN_ATTR_FM_DEMOD_ZOOM_LENGTH_MODE
- RSSPECAN_ATTR_FMDEM_ZOOM_LENGTH -
RSSPECAN_ATTR_FM_DEMOD_ZOOM_LENGTH
- RSSPECAN_ATTR_ADEM_UNIT_THD - RSSPECAN_ATTR_ANALOG_DEMOD_THD_UNIT
- RSSPECAN_ATTR_FMDEM_AF_START -
RSSPECAN_ATTR_FM_DEMOD_AF_START_FREQUENCY
- RSSPECAN_ATTR_FMDEM_AF_STOP -
RSSPECAN_ATTR_FM_DEMOD_AF_STOP_FREQUENCY
- RSSPECAN_ATTR_FMDEM_AF_CENTER -
RSSPECAN_ATTR_FM_DEMOD_AF_CENTER_FREQUENCY
- RSSPECAN_ATTR_FMDEM_AF_SPAN - RSSPECAN_ATTR_FM_DEMOD_AF_SPAN
- RSSPECAN_ATTR_FMDEM_AF_FULL_SPAN -
RSSPECAN_ATTR_FM_DEMOD_AF_FULL_SPAN

- RSSPECAN_ATTR_FMDEM_BAND_RES - RSSPECAN_ATTR_FM_DEMOD_RF_SPECTRUM_RESOLUTION_BANDWIDTH
- RSSPECAN_ATTR_FMDEM_SPEC_SPAN - RSSPECAN_ATTR_FM_DEMOD_RF_SPECTRUM_SPAN
- RSSPECAN_ATTR_FMDEM_SPEC_ZOOM - RSSPECAN_ATTR_FM_DEMOD_RF_SPECTRUM_ZOOM
- RSSPECAN_ATTR_FMDEM_FILT_HPAS_STAT - RSSPECAN_ATTR_FM_DEMOD_HIGH_PASS_AF_FILTER_ENABLED
- RSSPECAN_ATTR_FMDEM_FILT_HPAS_FREQ - RSSPECAN_ATTR_FM_DEMOD_HIGH_PASS_AF_FILTER_FREQUENCY
- RSSPECAN_ATTR_FMDEM_FILT_LPAS_STAT - RSSPECAN_ATTR_FM_DEMOD_LOW_PASS_AF_FILTER_ENABLED
- RSSPECAN_ATTR_FMDEM_FILT_LPAS_FREQ - RSSPECAN_ATTR_FM_DEMOD_LOW_PASS_AF_FILTER_FREQUENCY
- RSSPECAN_ATTR_FMDEM_FILT_DEMP_STAT - RSSPECAN_ATTR_FM_DEMOD_DEEMPHASIS_ENABLED
- RSSPECAN_ATTR_FMDEM_FILT_DEMP_TCON - RSSPECAN_ATTR_FM_DEMOD_DEEMPHASIS_TIME_CONSTANT
- RSSPECAN_ATTR_ADEM_FILT_LPAS_FREQ_REL - RSSPECAN_ATTR_ANALOG_DEMOD_LOW_PASS_FILTER_FREQUENCY_RELATIVE
- RSSPECAN_ATTR_ADEM_FILT_CCITT - RSSPECAN_ATTR_ANALOG_DEMOD_FILTER_CCITT_WEIGHTING
- RSSPECAN_ATTR_ADEM_FILT_CCIR - RSSPECAN_ATTR_ANALOG_DEMOD_FILTER_CCIR_WEIGHTING
- RSSPECAN_ATTR_FMDEM_RLEN - RSSPECAN_ATTR_FM_DEMOD_RECORD_LENGTH
- RSSPECAN_ATTR_FMDEM_SRATE - RSSPECAN_ATTR_FM_DEMOD_SAMPLING_RATE
- RSSPECAN_ATTR_FMDEM_AFR_RES - RSSPECAN_ATTR_FM_DEMOD_AUDIO_FREQUENCY_RESULT
- RSSPECAN_ATTR_FMDEM_FERR_RES - RSSPECAN_ATTR_FM_DEMOD_FREQUENCY_ERROR_RESULT
- RSSPECAN_ATTR_FMDEM_SIN_RES - RSSPECAN_ATTR_FM_DEMOD_SINAD_MEASUREMENT_RESULT
- RSSPECAN_ATTR_FMDEM_THD_RES - RSSPECAN_ATTR_FM_DEMOD_THD_MEASUREMENT_RESULT
- RSSPECAN_ATTR_FMDEM_CARR_RES - RSSPECAN_ATTR_FM_DEMOD_CARRIER_POWER_RESULT
- RSSPECAN_ATTR_FMDEM_TRIGGER_SOURCE - RSSPECAN_ATTR_FM_DEMOD_TRIGGER_SOURCE
- RSSPECAN_ATTR_FMS_MODE - RSSPECAN_ATTR_FM_STEREO_MODE
- RSSPECAN_ATTR_FMS_STATE - RSSPECAN_ATTR_FM_STEREO_ENABLED
- RSSPECAN_ATTR_FMS_TRIGGER_SOURCE - RSSPECAN_ATTR_FM_STEREO_TRIGGER_SOURCE
- RSSPECAN_ATTR_FMS_DIFFERENCE_FREQUENCY_DISTORTION_STATE - RSSPECAN_ATTR_FM_STEREO_DIFFERENCE_FREQUENCY_DISTORTION_ENABLED
- RSSPECAN_ATTR_FMS_DIFFERENCE_FREQUENCY_DISTORTION_UNIT - RSSPECAN_ATTR_FM_STEREO_DIFFERENCE_FREQUENCY_DISTORTION_UNIT
- RSSPECAN_ATTR_FMS_PHASE_NOISE_MARKER_STATE - RSSPECAN_ATTR_FM_STEREO_PHASE_NOISE_MARKER_ENABLED
- RSSPECAN_ATTR_FMS_INTERMODULATION_DISTORTION_STATE - RSSPECAN_ATTR_FM_STEREO_INTERMODULATION_DISTORTION_STATE
- RSSPECAN_ATTR_FMS_INTERMODULATION_DISTORTION_UNIT - RSSPECAN_ATTR_FM_STEREO_INTERMODULATION_DISTORTION_UNIT
- RSSPECAN_ATTR_FMS_AF_AUTO_SCALE - RSSPECAN_ATTR_FM_STEREO_AF_AUTO_SCALE
- RSSPECAN_ATTR_FMS_REFERENCE_DEVIATION - RSSPECAN_ATTR_FM_STEREO_REFERENCE_DEVIATION
- RSSPECAN_ATTR_FMS_ALL_AF_FILTERS_OFF - RSSPECAN_ATTR_FM_STEREO_ALL_AF_FILTERS_OFF
- RSSPECAN_ATTR_FMS_AF_RANGE_DEV_UNIT_ABSOLUTE - RSSPECAN_ATTR_FM_STEREO_AF_RANGE_DEV_UNIT_ABSOLUTE

- RSSPECAN_ATTR_FMS_AF_RANGE_DEV_UNIT_RELATIVE - RSSPECAN_ATTR_FM_STEREO_AF_RANGE_DEV_UNIT_RELATIVE
 - RSSPECAN_ATTR_FMS_SQUELCH - RSSPECAN_ATTR_FM_STEREO_SQUELCH
 - RSSPECAN_ATTR_FMS_SQUELCH_LEVEL - RSSPECAN_ATTR_FM_STEREO_SQUELCH_LEVEL
 - RSSPECAN_ATTR_QUERY_FMS_CARRIER_FREQUENCY - RSSPECAN_ATTR_QUERY_FM_STEREO_CARRIER_FREQUENCY
 - RSSPECAN_ATTR_FMS_DIFFERENCE_FREQUENCY_DISTORTION_SEARCH_SIGNAL - RSSPECAN_ATTR_FM_STEREO_DIFFERENCE_FREQUENCY_DISTORTION_SEARCH_SIGNAL
 - RSSPECAN_ATTR_FMS_INTERMODULATION_DISTORTION_SEARCH_SIGNAL - RSSPECAN_ATTR_FM_STEREO_INTERMODULATION_DISTORTION_SEARCH_SIGNAL
 - RSSPECAN_ATTR_QUERY_FMS_PHASE_NOISE_RESULT - RSSPECAN_ATTR_QUERY_FM_STEREO_PHASE_NOISE_RESULT
 - RSSPECAN_ATTR_BTO_GEOG - RSSPECAN_ATTR_BTO_GEOGRAPHICAL_REGION
 - RSSPECAN_ATTR_BTO_CHANNEL - RSSPECAN_ATTR_BTO_FREQUENCY_CHANNEL
 - RSSPECAN_ATTR_BTO_PCL - RSSPECAN_ATTR_BTO_OUTPUT_POWER_CLASS
 - RSSPECAN_ATTR_BTO_PRAT - RSSPECAN_ATTR_BTO_SAMPLES_PER_SYMBOLS
 - RSSPECAN_ATTR_BTO_PTYPE - RSSPECAN_ATTR_BTO_PACKET_TYPE
 - RSSPECAN_ATTR_BTO_EGA_INP - RSSPECAN_ATTR_BTO_ANTENNA_GAIN
 - RSSPECAN_ATTR_BTO_SYNC_STATE - RSSPECAN_ATTR_BTO_FIND_SYNC_ENABLED
 - RSSPECAN_ATTR_BTO_SEARCH_PULS - RSSPECAN_ATTR_BTO_FIND_BURST_ENABLED
 - RSSPECAN_ATTR_BTO_PULS_OFFS - RSSPECAN_ATTR_BTO_BURST_OFFSET
 - RSSPECAN_ATTR_BTO_LAP - RSSPECAN_ATTR_BTO_LOWEST_24_BITS_OF_BLUETOOTH_DEVICE_ADDRESS
 - RSSPECAN_ATTR_BTO - RSSPECAN_ATTR_BTO_MEASUREMENT_MODE
 - RSSPECAN_ATTR_BTO_ACLR_ACP - RSSPECAN_ATTR_BTO_NUMBER_OF_ADJACENT_CHANNELS
 - RSSPECAN_ATTR_BTO_FILT_MEAS - RSSPECAN_ATTR_BTO_MEASUREMENT_FILTER
 - RSSPECAN_ATTR_BTO_BWID_AUTO - RSSPECAN_ATTR_BTO_RESOLUTION_BANDWIDTH_AUTO
 - RSSPECAN_ATTR_BTO_VID_AUTO - RSSPECAN_ATTR_BTO_VIDEO_BANDWIDTH_AUTO
 - RSSPECAN_ATTR_BTO_SWE_TIME_AUTO - RSSPECAN_ATTR_BTO_SWEEP_TIME_AUTO
 - RSSPECAN_ATTR_BTO_BWID - RSSPECAN_ATTR_BTO_RESOLUTION_BANDWIDTH
 - RSSPECAN_ATTR_BTO_VID - RSSPECAN_ATTR_BTO_VIDEO_BANDWIDTH
 - RSSPECAN_ATTR_BTO_SWE_TIME - RSSPECAN_ATTR_BTO_SWEEP_TIME
 - RSSPECAN_ATTR_BTO_SWE - RSSPECAN_ATTR_BTO_SWEEP_COUNT
 - RSSPECAN_ATTR_BTO_TRAC - RSSPECAN_ATTR_BTO_TRACE_SELECT
 - RSSPECAN_ATTR_BTO_TRAC_MOD - RSSPECAN_ATTR_BTO_TRACE_MODE
 - RSSPECAN_ATTR_BTO_TRAC_DET - RSSPECAN_ATTR_BTO_TRACE_DETECTOR
 - RSSPECAN_ATTR_BTO_PDIV - RSSPECAN_ATTR_DISP_Y_AXIS_SCALING
 - RSSPECAN_ATTR_BTO_ZOOM_STATE - RSSPECAN_ATTR_FM_DEMOD_ZOOM_ENABLED
 - RSSPECAN_ATTR_BTO_ZOOM_START - RSSPECAN_ATTR_FM_DEMOD_ZOOM_START
 - RSSPECAN_ATTR_BTO_STAT - RSSPECAN_ATTR_BTO_GET_STATUS
 - RSSPECAN_ATTR_BTO_PTYP - RSSPECAN_ATTR_BTO_GET_PACKET_TYPE
 - RSSPECAN_ATTR_BTO_PLEN - RSSPECAN_ATTR_BTO_GET_PACKET_LENGTH
 - RSSPECAN_ATTR_BTO_OPOW_PEAK - RSSPECAN_ATTR_BTO_GET_OUTPUT_POWER_PEAK
 - RSSPECAN_ATTR_BTO_ACLR_EXC - RSSPECAN_ATTR_BTO_GET_NUMBER_OF_EXCEPTIONS
 - RSSPECAN_ATTR_BTO_MCH_DF2_PERC - RSSPECAN_ATTR_BTO_GET_PERCENTAGE_DEVIATION
 - RSSPECAN_ATTR_BTO_CFDR_RATE - RSSPECAN_ATTR_BTO_GET_CARRIER_FREQUENCY_DRIFT

- RSSPECAN_ATTR_BTO_CFDR_MAX -
RSSPECAN_ATTR_BTO_GET_MAXIMUM_CARRIER_FREQUENCY_DRIFT
 - RSSPECAN_ATTR_MC2K_LIM_MODE - RSSPECAN_ATTR_C2K_LIM_MODE

 * Deleted deprecated values(their existing alternatives):
 - RSSPECAN_VAL_FREQ_MODE_SCAN - RSSPECAN_VAL_FREQ_MODE_SWE
 - RSSPECAN_VAL_FREQ_MODE_CW - RSSPECAN_VAL_FREQ_MODE_FIX
 - RSSPECAN_VAL_COUPLING_RATIO_RBW - RSSPECAN_VAL_COUPLING_RBW
 - RSSPECAN_VAL_COUPLING_RATIO_VBW - RSSPECAN_VAL_COUPLING_VBW
 - RSSPECAN_VAL_SSTAT_RESULT_MEAN - RSSPECAN_VAL_STAT_RESULT_MEAN
 - RSSPECAN_VAL_SSTAT_RESULT_PEAK - RSSPECAN_VAL_STAT_RESULT_PEAK
 - RSSPECAN_VAL_SSTAT_RESULT_CREST - RSSPECAN_VAL_STAT_RESULT_CFAC
 - RSSPECAN_VAL_TDS_TABLE_CHANNEL_PRACH -
RSSPECAN_VAL_TDS_TABLE_CHANNEL_PDSCH
 - RSSPECAN_VAL_FMDEM_COUP_DC - RSSPECAN_VAL_DC
 - RSSPECAN_VAL_FMDEM_COUP_AC - RSSPECAN_VAL_AC
 - RSSPECAN_VAL_FMS_LPAS_FILT_NONE -
RSSPECAN_VAL_FMS_LOWPAS_FILT_NONE
 - RSSPECAN_VAL_FMS_LPAS_FILT_10PCT -
RSSPECAN_VAL_FMS_LOWPAS_FILT_10PCT
 - RSSPECAN_VAL_FMS_LPAS_FILT_15KHZ -
RSSPECAN_VAL_FMS_LOWPAS_FILT_15KHZ
 - RSSPECAN_VAL_FMS_LPAS_FILT_150KHZ -
RSSPECAN_VAL_FMS_LOWPAS_FILT_150KHZ
 - RSSPECAN_VAL_FMS_LPAS_FILT_23KHZ -
RSSPECAN_VAL_FMS_LOWPAS_FILT_23KHZ
 - RSSPECAN_VAL_FMS_LPAS_FILT_25PCT -
RSSPECAN_VAL_FMS_LOWPAS_FILT_25PCT
 - RSSPECAN_VAL_FMS_LPAS_FILT_3KHZ - RSSPECAN_VAL_FMS_LOWPAS_FILT_3KHZ
 - RSSPECAN_VAL_FMS_LPAS_FILT_5PCT - RSSPECAN_VAL_FMS_LOWPAS_FILT_5PCT
 - RSSPECAN_VAL_FMS_RESULT_CURR - RSSPECAN_TRAC_MOD_WRITE
 - RSSPECAN_VAL_FMS_RESULT_OFF - RSSPECAN_VAL_FMS_TRAC_MOD_OFF
 - RSSPECAN_VAL_FMS_RESULT_CURR - RSSPECAN_VAL_FMS_TRAC_MOD_WRITE
 - RSSPECAN_VAL_FMS_RESULT_AVG - RSSPECAN_VAL_FMS_TRAC_MOD_AVG
 - RSSPECAN_VAL_FMS_RESULT_MAX - RSSPECAN_VAL_FMS_TRAC_MOD_MAX
 - RSSPECAN_VAL_FMS_RESULT_MIN - RSSPECAN_VAL_FMS_TRAC_MOD_MIN
 - RSSPECAN_VAL_FMS_RESULT_VIEW - RSSPECAN_VAL_FMS_TRAC_MOD_VIEW
 - RSSPECAN_VAL_MC2K_LIM_MODE_USER - RSSPECAN_VAL_C2K_LIM_MODE_USER
 - RSSPECAN_VAL_MC2K_LIM_MODE_AUTO RSSPECAN_VAL_C2K_LIM_MODE_AUTO
 - RSSPECAN_VAL_DOCSIS_NPC_MODULATION_QPSK -
RSSPECAN_VAL_DOCSIS_NCP_MODULATION_QPSK
 - RSSPECAN_VAL_DOCSIS_NPC_MODULATION_16_QAM -
RSSPECAN_VAL_DOCSIS_NCP_MODULATION_16_QAM
 - RSSPECAN_VAL_DOCSIS_NPC_MODULATION_64_QAM -
RSSPECAN_VAL_DOCSIS_NCPC_MODULATION_64_QAM

4.10 Version 3.20.0 / 2018 – 10

 * Added support for FSW 3.20
 * Added support for 5G NR Downlink (K144)

 * New in Base System:
 - User Correction
 - Parameter Coupling
 - Noise Power Ratio
 - rsspecan_ConfigureSweepZeroSpan

- rsspecan_ConfigureInputConnector
- rsspecan_ConfigureProbeMode
- rsspecan_ConfigureAutoScalingEnabled
- rsspecan_ConfigureContinuousGate
- rsspecan_ConfigureGateSourceMode
- rsspecan_ConfigureExternalGateRFLevel
- rsspecan_ConfigureExternalGatePort
- rsspecan_ConfigureDisplayYAxisScaleRange
- rsspecan_ConfigureDisplayYAxisRange
- rsspecan_ConfigureDisplayWindowYAxisGridSpacing
- rsspecan_ConfigureReferenceLevelPosition
- rsspecan_ConfigureDisplayWindowReferenceLevel
- rsspecan_ConfigureDisplayWindowReferenceLevelRange
- rsspecan_ConfigureDisplayWindowUnitPhase
- rsspecan_ConfigureDisplayWindowUnitFrequency
- rsspecan_ConfigureTraceSmoothing
- rsspecan_ConfigureTraceSymbolEnabled
- rsspecan_MarkerNoiseMeasurementAllOff
- rsspecan_PhaseNoiseAllOff
- rsspecan_MarkerBandPowerAllOff
- rsspecan_ConfigureMarkerSelectiveDemodulation
- rsspecan_ConfigureExternalReferenceFrequency
- rsspecan_ConfigureReferenceOscillatorOutputs
- rsspecan_QuerySystemInfoDeviceFootprint
- rsspecan_QuerySystemInfoSwitchingCyclesCount
- rsspecan_QuerySystemInfoBIOSVersion
- rsspecan_QuerySystemInfoFrequencyBands
- rsspecan_ConfigureSystemDisplayLock
- rsspecan_ConfigureDisplayMultiViewTabEnabled
- rsspecan_ConfigureDisplayTimeFormat
- rsspecan_MoveWindow
- rsspecan_AdjustSpuriousEmissionsXAxisToRangeDefinitions
- rsspecan_SystemReboot
- rsspecan_ConfigureSpuriousCarrierFrequencyReference
- rsspecan_ConfigureSpuriousCarrierFrequency
- rsspecan_ConfigureSpuriousCarrierGuardInterval
- rsspecan_ConfigureSpuriousDetectionTableContent
- rsspecan_ConfigureSpuriousLISN
- rsspecan_ConfigureCarrierSearchRangeType
- rsspecan_ConfigureCarrierSearchRangeCenterSpan
- rsspecan_ConfigureCarrierSearchRangeStartStop
- rsspecan_QuerySpuriousRangeNumberOfRanges

* Updated in Base System:
- rsspecan_ConfigureReferenceOscillator - frequency is set on all instrument models
- rsspecan_CalibrationSync - increased max time to 14400000ms
- rsspecan_ConfigureHardcopyColor - Color Map control updated
- rsspecan_BurstPowerFilterType
- rsspecan_ConfigureRFInputState - updated Source parameter
- rsspecan_ConfigureTraceResetBehavior - using new attribute that uses Window repeated
capability
- rsspecan_GetTransducerFactorCatalog - help updated
- rsspecan_ConfigureSyncParameterCouplingEnabled - fixed contants in Parameter control
- rsspecan_ConfigureDisplayFocusedArea - reusing Window parameter
- rsspecan_ConfigureDeltaMarker - reusing Window parameter to configure the State
- rsspecan_ConfigureDeltaMarkerPosition - reusing Window parameter to configure the Position
- rsspecan_QueryDeltaMarker - reusing Window parameter

* New in IQ Analyzer:
- rsspecan_ConfigureIQDataFormat

- rsspecan_ConfigureOscilloscopeSelfAlignmentEnabled

* Updated in IQ Analyzer:
- rsspecan_ConfigureIQDataAcquisition - Filter Bandwidth and Swap IQ is send to instrument only if it's FSW family

* New in External Generator:
- rsspecan_ConfigureExternalGainPACorrectionEnabled

* Updated in Phase Noise:
- rsspecan_ConfigurePhaseDisplaySettings - range of X Start changed to 0.0 to 300.0E+6

* New in Baseband Power:
- rsspecan_ConfigureAnalogBasebandInputImpedance

* Updated in Baseband Power:
- rsspecan_ConfigureAnalogBasebandProbeCommonModeOffset - using Probe instead of Channel repeated capability

* New in Power Meter:
- rsspecan_ConfigurePWMContinuousUpdate

* New in DOCSIS:
- rsspecan_DeleteDOCSISCPAESATableRows
- rsspecan_DeleteDOCSISModulationSubcarrierTableSet
- rsspecan_DeleteDOCSISNextCodewordPointerProfileRow
- rsspecan_DeleteDOCSISCodewordFrameTableRow
- rsspecan_DeleteDOCSISUpstreamESATableRow
- rsspecan_DeleteDOCSISUpstreamProfileTableRow
- rsspecan_ConfigureDOCSISFilterOutAdjacentChannels
- rsspecan_ConfigureDOCSISEvaluationRangeFastMode
- rsspecan_ConfigureDOCSISResultSummaryDisplaySettings
- rsspecan_QueryDOCSISWindowType
- rsspecan_DOCSISAutoSetFromPLCAndRun
- rsspecan_DOCSISAutoDetectionAndRun
- rsspecan_FetchDOCSISCyclicPrefixCP
- rsspecan_QueryDOCSISMarkerZAxis

* Updated in DOCSIS:
- rsspecan_ConfigureDOCSISOFDMChannelDescription - Cyclic Prefix CP and Roll Off parameters updated
- rsspecan_ConfigureDOCSISResultSummaryDisplay - Item parameter updated
- rsspecan_FetchDOCSISAllResults - Result parameter help updated
- rsspecan_FetchDOCSISSignalContentDetailedFormatted - Object Information Type parameter help updated, parsing of command reply fixed
- rsspecan_FetchDOCSISBitstreamResults - parsing of command reply fixed
- rsspecan_FetchDOCSISResults - added 'Analyzed Minislots' and 'Trigger To Frame' to Specified Parameter

* New in Transient Analysis:
- rsspecan_ConfigureTransientAnalysisHopChirpFrequencyDeviation
- rsspecan_ConfigureTransientAnalysisHopChirpPhaseDeviation
- rsspecan_ConfigureTransientAnalysisHopChirpSettlingTolerance
- rsspecan_QueryTransientAnalysisParameterDistributionAxis
- rsspecan_QueryTransientAnalysisParameterTrendAxis
- RSSPECAN_ATTR_TRANSIENT_WINDOW_STATISTIC_TYPE - with Window repeated capability
- rsspecan_QueryTransientAnalysisHopTotalInCaptureBuffer
- rsspecan_QueryTransientAnalysisChirpTotalInCaptureBuffer

 * Updated in Transient Analysis:
 - rsspecan_ConfigureTransientAnalysisRelativeScaling - using new attributes that use Window repeated capability
 - rsspecan_ConfigureTransientAnalysisHopChirpFrequency - Reference parameter updated
 - rsspecan_ConfigureTransientAnalysisHopChirpPower - Reference parameter updated
 - rsspecan_ConfigureTransientAnalysisHopResultTable - Header parameter updated
 - rsspecan_ConfigureTransientAnalysisChirpResultTable - Header parameter updated
 - rsspecan_ConfigureTransientAnalysisChirpResultTableState - Parameter updated
 - rsspecan_ConfigureTransientAnalysisParameterDistributionHopFrequency - X Axis parameter updated
 - rsspecan_ConfigureTransientAnalysisParameterDistributionChirpFrequency - X Axis parameter updated
 - rsspecan_ConfigureTransientAnalysisParameterTrendHopFrequency - Y Axis parameter updated
 - rsspecan_ConfigureTransientAnalysisParameterTrendHopFrequencyAxis - Display Parameter parameter updated
 - rsspecan_ConfigureTransientAnalysisParameterTrendChirpFrequency - Y Axis parameter updated
 - rsspecan_ConfigureTransientAnalysisParameterTrendChirpFrequencyAxis - Display Parameter parameter updated
 - rsspecan_QueryTransientAnalysisHopResultFrequency - Parameter updated
 - rsspecan_QueryTransientAnalysisHopResultTable - Results parameter help updated
 - rsspecan_QueryTransientAnalysisChirpResultFrequency - Parameter updated
 - rsspecan_QueryTransientAnalysisChirpResultTable - Results parameter help updated
 - rsspecan_ConfigureTransientAnalysisLinkToFull - ranges of Percent parameters updated

 * New in WCDMA:
 - rsspecan_SelectWCDMAIQFile
 - rsspecan_CreateWCDMABSChannelTableAccordingToMeasurement
 - rsspecan_CreateWCDMAUEChannelTableAccordingToMeasurement
 - rsspecan_ExportWCDMAMarkerPeakListToFile

 * New in WLAN:
 - rsspecan_ConfigureWLANStandardVersionErrorVectorMagnitude
 - rsspecan_ConfigureWLANChannelBandwidthAuto
 - rsspecan_ConfigureWLANCompensateCrosstalk
 - rsspecan_ConfigureWLANDemodulation802_11nGuardInterval
 - rsspecan_ConfigureWLANDemodulation802_11acGuardInterval
 - rsspecan_QueryWLANDemodulation802_11axHEPPDUConfigRUIndexCount
 - rsspecan_QueryWLANDemodulation802_11axHEPPDUConfigRUIndexHighest
 - rsspecan_ConfigureWLANMIMOAntennaSignalCaptureOSP
 - rsspecan_ConfigureWLANMIMOAntennaSignalCapturePath
 - rsspecan_ConfigureWLANMIMOAntennaSignalCaptureTimeSync
 - rsspecan_QueryWLANMIMOLANStatus
 - rsspecan_SelectWLANIQFile
 - rsspecan_QueryWLANIQFileChannelList
 - rsspecan_ConfigureWLANIQFileChannel
 - rsspecan_ConfigureWLANIQFileRepetitionCount
 - rsspecan_ConfigureWLANPolynomialDegree
 - rsspecan_ConfigureWLANAMAMAutoscale
 - rsspecan_ConfigureWLANAMAMFixed
 - rsspecan_ConfigureWLANAMAMAutoHysteresis
 - rsspecan_ConfigureWLANAMAMNumberOfDivisions
 - rsspecan_ConfigureWLANAMAMScalingPerDivision
 - rsspecan_ConfigureWLANSEMChannelBandwidth
 - rsspecan_ConfigureWLANPPDUSelectedEnabled
 - rsspecan_QueryWLANBurstPPDUStatus
 - rsspecan_FetchWlanPPDUEVM
 - rsspecan_FetchWLANSignalContentDetailedEVM
 - rsspecan_FetchWLANSignalContentDetailedPPDU

- rsspecan_FetchWLANAMAMPolynomialCoefficients
- rsspecan_FetchWLANDetailedSignalContentIEEE802_11ax
- rsspecan_FetchWLANSignalField
- rsspecan_FetchWLANUnusedToneErrorSummary

 * Updated in WLAN:
- rsspecan_ConfigureWLANDemodulation802_11nMCSIndex - help updated
- rsspecan_ConfigureWLANDemodulation802_11nGuardIntervalLength - Guard Interval Length
parameter updated
- rsspecan_ConfigureWLANDemodulation802_11acGuardIntervalLength - Guard Interval
Length parameter updated
- rsspecan_ConfigureWLANDemodulation802_11ax - PPDU Format To Measure parameter
updated
- rsspecan_FetchWlanBurstAll - SCPI command updated, helps updated
- rsspecan_FetchWlanBurstPower - function API changed
- rsspecan_FetchWlanBurstError - function API changed
- rsspecan_FetchWlanIQImp - function API changed
- rsspecan_FetchWlanEVM - function API changed
- rsspecan_QueryWlanBurstTime - function API changed
- rsspecan_QueryWlanBurstErrorRateForPilots - function API changed
- rsspecan_QueryWLANDemodulation802_11axHEPPDUConfigHighestRUIndex - SCPI
command updated, also in attribute

 * Deleted in WLAN:
- rsspecan_QueryWLANDemodulation802_11axHEPPDUConfigHighestRUIndexSubchannel

 * New in WiGig:
- rsspecan_SelectWiGigIQFile
- rsspecan_LoadWiGigSEMFile
- rsspecan_WiGigRecalculateIQMeasurementResults
- rsspecan_ConfigureWiGigExportingTraceResultsToASCIIFileEnabled

 * New in LTE:
- rsspecan_ConfigureLTEDownlinkExcludeInbandNBIoT
- rsspecan_ConfigureLTEDownlinkSEMOperatingBand
- rssepcan_LTEDownlinkSelectTab
- rsspecan_ConfigureLTEUplinkPUSCHCellID
- rsspecan_ConfigureLTEUplinkPUSCHCellIDValue
- rsspecan_ConfigureLTEUplinkLocalOscillatorFrequency

 * Updated in LTE:
- Component Carrier range updated to 1-5
- rsspecan_ConfigureLTEDownlinkPDSCHConfigurableSubframes - range updated
- rsspecan_ConfigureLTEDownlinkPDSCHUsedAllocation - Power range updated
- rsspecan_QueryLTEDownlinkMeasurementSynchronizationState - breaking change - API
changed (added Component Carrier)
- rsspecan_ConfigureLTEDownlinkReferenceSignal - range updated
- rsspecan_ConfigureLTEDownlinkPBCH - PBCH Relative Power range updated
- rsspecan_ConfigureLTEDownlinkPCFICH - PCFICH Relative Power range updated
- rsspecan_ConfigureLTEDownlinkPHICH - PHICH Relative Power range updated
- rsspecan_ConfigureLTEDownlinkPDCCH - PDCCH Relative Power range updated
- rsspecan_ConfigureLTEDownlinkEPDCCH - Relative Power range updated
- rsspecan_ConfigureLTEDownlinkMBSFN - Relative Power range updated
- rsspecan_ConfigureLTEDownlinkParameterEstimation - Channel Estimation range updated
- rsspecan_ConfigureLTEDownlinkMeasurementConstelllationModulation - Modulation range
updated
- rsspecan_ConfigureLTEDownlinkCarrierAggregation - Number of Carriers range updated
- rsspecan_ConfigureLTEUplinkSubframeTable - Modulation range updated
- rsspecan_ConfigureLTEUplinkReferenceSignal - Relative Power PUSCH, Relative Power
PUCCH ranges updated

- rsspecan_ConfigureLTEUplinkSoundingReferenceSignal - Relative Power range updated
- rsspecan_ConfigureLTEUplinkPUCCHStructure - N2_RB range updated
- rsspecan_ConfigureLTEUplinkCarrierAgregationBandwidth - range updated
- rssepcan_ConfigureLTEUplinkMeasurementConstelllationModulation - range updated
- rsspecan_QueryLTEUplinkMeasurementSynchronizationState - breaking change - API changed (added Component Carrier)
- rsspecan_ConfigureLTEUplinkNumberOfCarriers - range updated
- rsspecan_ConfigureLTEUplinkCarrierAggregation - Number of Carriers range updated

* New in VSA:
- rsspecan_VSADigitalStandardPreset
- rsspecan_ConfigureVSADigitalIQ40GEnabled
- rsspecan_QueryVSADigitalIQ40GSampleRate
- rsspecan_QueryVSADigitalIQ40GConnectedDevice
- rsspecan_ConfigureVSAFramePattern
- rsspecan_GetVSAFrameMappingCatalog
- rsspecan_VSALoadFrameConfig
- rsspecan_ConfigureVSAFrameMappingSelect
- rsspecan_VSALoadFrameStructure
- rsspecan_VSASaveFrameStructure
- rsspecan_VSAFrameStructureEdit
- rsspecan_ConfigureVSAFrameMode
- rsspecan_ConfigureVSAFrameUserFile
- rsspecan_ConfigureVSAFramePSK
- rsspecan_ConfigureVSAFrameQAM
- rsspecan_ConfigureVSAFrameQPSK
- rsspecan_ConfigureVSAFrameBoosting
- rsspecan_ConfigureVSAFrameModulation
- rsspecan_ConfigureVSAFrameDescription
- rsspecan_QueryVSAFrameStartSample
- rsspecan_ConfigureVSAKnownDataSource
- rsspecan_ConfigureVSAKnownDataPRBSType
- rsspecan_ConfigureVSAKnownDataNegateFeedback
- rsspecan_ConfigureVSAKnownDataPolynomial
- rsspecan_ConfigureVSAKnownDataPRBSPattern
- rsspecan_ConfigureVSADeltamarkerPeakSearch
- rsspecan_ConfigureVSAIQLoadStream
- rsspecan_QueryVSAIQStreamList
- rsspecan_QueryVSADeltamarkerAbsoluteX

* Updated in VSA:
- rsspecan_ConfigureVSACompensation
- rsspecan_ConfigureVSAEqualizer - Length parameter updated
- rsspecan_GetVSAResult - added IQ Skew
- rsspecan_QueryVSAModulationAccuracyStatisticResults - added IQ Skew

* New in Pulse:
- rsspecan_ConfigurePulseMarkerLink
- rsspecan_ConfigurePulseDeltamarkerLinkToMarker
- rsspecan_ConfigurePulseMarkerLinkToMarker
- rsspecan_ConfigurePulseMesurementTraceIQDetector
- rsspecan_ConfigurePulseMesurementTraceStatisticType
- rsspecan_QueryPulseResultRangeIQStoredInMemory

* Updated in Pulse:
- rsspecan_ConfigurePulseReferenceForPulsePulseMeasurement - Pulse default value updated
- rsspecan_ConfigurePulseReferenceLevel - Unit help updated

4.11 Version 3.9.1 / 2017 - 11

 * New
 - rsspecan_ConfigureNoiseFrequencySettingsDigitalMode

 * Updated
 - rsspecan_ConfigureNoiseFrequencySettings: code improvements, added Digital Down converter Mode
 - rsspecan_NoiseLossInputTableOperations: control Operation - renamed parameter
 - rsspecan_GetPhaseSpotNoiseYPosition: Spot Noise - changed range to 1..8
 - rsspecan_ConfigurePhaseSignalSearching, rsspecan_ConfigurePhaseSignalSettings - help improvements
 - Changes in all Add Window functions: Changed parameter 'Window Name' to 'Reference Window Name'
 - RSSPECAN_ATTR_NOISE_CONF_MODE_DUT - added new parameter DigitalDownconverter
 - Extended Rep Cap 'Snoise' to SN1 .. SN8
 * Breaking change
 - rsspecan_ReadPhaseTraceData: added new input parameters: Window, Perform Sweep, Timeout

4.12 Version 3.9.0 / 2017 - 06

 * Added support for FSW 2.61, FSWP 1.50

 * New in Base System:
 - rsspecan_ConfigurePreselectorAdjustment
   RSSPECAN_ATTR_PRESELECTOR_ADJUSTMEN
 - rsspecan_ConfigureExternalMixerXCORR
   RSSPECAN_ATTR_EXTERNAL_MIXER_XCORR

 * Updated in Base System:
 - rsspecan_ConfigureSEMRangeFilterType - added 5-Pole filters to 'Filter Type'

 * New in DOCSIS:
 - RSSPECAN_ATTR_DOCSIS_UPSTREAM_PROFILE_CONFIGURATION_FIRST_MINISLOT (DOCSIS Upstream Profile Configuration First Minislot)
 - rsspecan_ConfigureDOCSISUpstreamAutoDetection
   RSSPECAN_ATTR_DOCSIS_UPSTREAM_AUTO_DETECTION
 - rsspecan_QueryDOCSISSynchronousPowerBandResult
   RSSPECAN_ATTR_DOCSIS_SYNCHRONOUS_POWER_BAND_RESULTS
 - rsspecan_ConfigureDOCSISSynchronousBandPowerUnit
   RSSPECAN_ATTR_DOCSIS_POWER_UNIT
 - rsspecan_ConfigureDOCSISAutoConfigurationPerContinuousMinislotBlock

RSSPECAN_ATTR_DOCSIS_AUTO_CONFIGURATION_PER_CONTINUOUS_MINISLOT_BLO CK
 - rsspecan_ConfigureDOCSISBandAutoConfig
   RSSPECAN_ATTR_DOCSIS_AUTOMATIC_BAND_CONFIGURATION
 - rsspecan_ConfigureDOCSISBandConfigurationTableSubcarriers
   RSSPECAN_ATTR_DOCSIS_ADJACENT_CHANNEL_BANDS_OFFSET_SUBCARRIERS
   RSSPECAN_ATTR_DOCSIS_ALTERNATE_CHANNEL_BANDS_OFFSET_SUBCARRIERS

RSSPECAN_ATTR_DOCSIS_ADJACENT_CHANNEL_BANDS_BANDWIDTH_SUBCARRIERS

RSSPECAN_ATTR_DOCSIS_ALTERNATE_CHANNEL_BANDS_BANDWIDTH_SUBCARRIER
S
  - rsspecan_ConfigureDOCSISBandConfigurationTableFrequency
    RSSPECAN_ATTR_DOCSIS_ADJACENT_CHANNEL_BANDS_OFFSET_FREQUENCY
    RSSPECAN_ATTR_DOCSIS_ALTERNATE_CHANNEL_BANDS_OFFSET_FREQUENCY
    RSSPECAN_ATTR_DOCSIS_ADJACENT_CHANNEL_BANDS_BANDWIDTH_FREQUENCY

RSSPECAN_ATTR_DOCSIS_ALTERNATE_CHANNEL_BANDS_BANDWIDTH_FREQUENCY
  - rsspecan_ConfigureDOCSISAutoBandsAppliedTo
    RSSPECAN_ATTR_DOCSIS_AUTO_BANDS_APPLIED_TO
  - rsspecan_ConfigureDOCSISUserConfig
    RSSPECAN_ATTR_DOCSIS_USER_CONFIG_BAND_STATE
    RSSPECAN_ATTR_DOCSIS_USER_CONFIG_LOCATION_REFERENCE
    RSSPECAN_ATTR_DOCSIS_USER_CONFIG_LOCATION_SUBCARRIERS
    RSSPECAN_ATTR_DOCSIS_USER_CONFIG_BANDWIDTH_SUBCARRIERS
    RSSPECAN_ATTR_DOCSIS_USER_CONFIG_BANDWIDTH_FREQUENCY

 * Updated in DOCSIS:
 - rsspecan_AddDOCSISWindow - added Synchronous Band Power at 'Window Type'
 - rsspecan_ReplaceDOCSISWindow - added Synchronous Band Power at 'Window Type'
 - rsspecan_ConfigureDOCSISUpstreamProfile - added QAM32, Unused at 'Modulation'

 * New in Amplifier (K18):
 - rsspecan_ConfigureAmplifierDPDState
   RSSPECAN_ATTR_AMPLIFIER_DIRECT_DPD_STATE
 - rsspecan_AmplifierDirectDPDAction
   RSSPECAN_ATTR_AMPLIFIER_DIRECT_DPD_START
   RSSPECAN_ATTR_AMPLIFIER_DIRECT_DPD_ABORT
   RSSPECAN_ATTR_AMPLIFIER_DIRECT_DPD_FINISH
 - rsspecan_ApplyAmplifierDPD
   RSSPECAN_ATTR_AMPLIFIER_DIRECT_DPD_APPLY
 - rsspecan_ConfigureAmplifierDPDNameOnGenerator
   RSSPECAN_ATTR_AMPLIFIER_DIRECT_DPD_NAME_ON_GENERATOR
 - rsspecan_ConfigureAmplifierDirectDPDPowerLinearityTradeoff
   RSSPECAN_ATTR_AMPLIFIER_DIRECT_DPD_POWER_LINEARITY_TRADEOFF
 - rsspecan_ConfigureAmplifierDirectDPDIterations
   RSSPECAN_ATTR_AMPLIFIER_DIRECT_DPD_ITERATIONS
 - rsspecan_QueryAmplifierDirectDPDCurrentIteration
   RSSPECAN_ATTR_AMPLIFIER_DIRECT_DPD_CURRENT_ITERATION
 - rsspecan_StoreAmplifierDirectDPDWaveformFile

RSSPECAN_ATTR_AMPLIFIER_DIRECT_DPD_STORE_PREDISTORTION_WAVEFORM_FIL
E
  - rsspecan_GetAmplifierDPDLEDState
    RSSPECAN_ATTR_AMPLIFIER_DPD_AM_AM_LED_STATE
    RSSPECAN_ATTR_AMPLIFIER_DPD_AM_PM_LED_STATE
  - rsspecan_GenerateDPDWaveformFileAll
    RSSPECAN_ATTR_AMPLIFIER_DPD_GENERATE_WAVEFORM_FILE_ALL
  - rsspecan_ConfigureAmplifierEqualizerState
    RSSPECAN_ATTR_AMPLIFIER_EQUALIZER_STATE
  - rsspecan_ConfigureAmplifierEqualizerFilterLengthForTraining
    RSSPECAN_ATTR_AMPLIFIER_EQUALIZER_FILTER_LENGTH_FOR_TRAINING
  - rsspecan_AmplifierTrainEqualizerFilter
    RSSPECAN_ATTR_AMPLIFIER_EQUALIZER_TRAIN_FILTER
  - rsspecan_AmplifierSaveEqualizerFilter
    RSSPECAN_ATTR_AMPLIFIER_EQUALIZER_STORE_FILTER
  - rsspecan_AmplifierLoadEqualizerFilter
    RSSPECAN_ATTR_AMPLIFIER_EQUALIZER_RESTORE_FILTER
  - rsspecan_GetAmplifierReferenceSignalWaveformFile

RSSPECAN_ATTR_AMPLIFIER_WAVEFORM_FILE
- rsspecan_ConfigureAmplifierAveragingIQData
RSSPECAN_ATTR_AMPLIFIER_AVERAGING_I_Q_DATA
    RSSPECAN_ATTR_AMPLIFIER_AVERAGING_I_Q_DATA_COUNT
- rsspecan_QueryAmplifierAveragingIQDataCount
RSSPECAN_ATTR_AMPLIFIER_AVERAGING_I_Q_DATA_CURRENT_COUNT

* Updated in Amplifier:
- rsspecan_QueryAmplifierIQSynchronizationData - breaking change - API changed

* New in LTE:
- RSSPECAN_ATTR_LTE_UPLINK_ANALYZE_SINGLE_SUBFRAME (LTE Uplink Analyze Single Subframe)
- rsspecan_ConfigureLTEDownlinkMeasurementAntennaPortCellReferenceSignal
RSSPECAN_ATTR_LTE_DOWNLINK_BEAMFORMING_ANTENNA_PORT_CELL
- rsspecan_ConfigureLTEDownlinkMeasurementAntennaPortCSIReferenceSignal
RSSPECAN_ATTR_LTE_DOWNLINK_BEAMFORMING_ANTENNA_PORT_CSI

* Updated in LTE:
- rsspecan_LTEDownlinkAddWindow - added values 107 to 119 to 'Window Type'
- rsspecan_LTEDownlinkReplaceWindow - added values 107 to 119 to 'Window Type'
- rsspecan_LTEUplinkAddWindow - added Diagram, Peak List to 'Window Type'
- rsspecan_LTEUplinkReplaceWindow - added Diagram, Peak List to 'Window Type'
- rsspecan_QueryLTEDownlinkMeasurementResultSummary - added QAM1024
RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_1024QAM_RESULT
RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_1024QAM_RESULT_MIN
RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_1024QAM_RESULT_MAX
- rsspecan_QueryLTEDownlinkMeasurementLimitCheckResult - added QAM1024

RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_1024QAM_LIMIT_CHECK_RESULT_AVE
RAGE

RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_1024QAM_LIMIT_CHECK_RESULT_MA
X
- rsspecan_QueryLTEUplinkMeasurementLimitCheckResult - added QAM256
RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_256QAM_LIMIT_CHECK_RESULT
RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_256QAM_LIMIT_CHECK_RESULT
- rsspecan_QueryLTEUplinkMeasurementResultSummary - added QAM256
RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_256QAM_RESULT
RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_256QAM_RESULT
- rsspecan_ConfigureLTEDownlinkMeasurementAntennaPort - added Ports 11, 12, 13, 14, All
- rsspecan_ConfigureLTEDownlinkPDSCHUsedAllocation - added 1024QAM Modulation
- rsspecan_ConfigureLTEDownlinkMBSFNSubframe - added 1024QAM Modulation

* New in Pulse (K6):
- rsspecan_ConfigurePulseResultParameterDistributionEnvelopeModel
- rsspecan_ConfigurePulseResultParameterSpectrumEnvelopeModel
RSSPECAN_ATTR_PULSE_PARAMETER_SPECTRUM_ENVELOPE_MODEL
- rsspecan_ConfigurePulseResultTableEnvelopeModel
RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_ALL

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_BASE_POINT_TIM
E

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_HIGH_POINT_LEV
EL

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_HIGH_POINT_TIM
E

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_LOW_POINT_LEV
EL

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_LOW_POINT_TIM
E

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_MID_POINT_LEVE
L

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_MID_POINT_TIME

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_TOP_POINT_LEVE
L

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_TOP_POINT_TIME

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_BASE_POINT_TIM
E

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_HIGH_POINT_LEV
EL

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_HIGH_POINT_TIM
E

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_LOW_POINT_LEV
EL

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_LOW_POINT_TIME

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_MID_POINT_LEVE
L

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_MID_POINT_TIME

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_TOP_POINT_LEVE
L

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_TOP_POINT_TIME
  - rsspecan_ConfigurePulseResultTableEnvelopeModelLimitCheckAll
    RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_LIMIT_ALL_ENABLED
  - rsspecan_ConfigurePulseResultTableEnvelopeModelLimit

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_BASE_POINT_TIM
E_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_HIGH_POINT_LEV
EL_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_HIGH_POINT_TIM
E_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_LOW_POINT_LEV
EL_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_LOW_POINT_TIM
E_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_MID_POINT_LEVE
L_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_MID_POINT_TIME
_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_TOP_POINT_LEVE
L_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_FALL_TOP_POINT_TIME
_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_BASE_POINT_TIM
E_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_HIGH_POINT_LEV
EL_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_HIGH_POINT_TIM
E_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_LOW_POINT_LEV
EL_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_LOW_POINT_TIME
_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_MID_POINT_LEVE
L_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_MID_POINT_TIME
_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_TOP_POINT_LEVE
L_LIMIT_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_ENVELOPE_MODEL_RISE_TOP_POINT_TIME
_LIMIT_ENABLED
 - rsspecan_ConfigurePulseMesurementTraceEvaluation
   RSSPECAN_ATTR_PULSE_TRACE_EVALUATION
 - rsspecan_ConfigurePulseResultParameterTrendDisplayStyle
   RSSPECAN_ATTR_PULSE_RESULT_PARAMETER_TREND_DISPLAY_STYLE
 - rsspecan_ConfigurePulseResultParameterTrendEnvelopeModel
   RSSPECAN_ATTR_PULSE_RESULT_PARAMETER_TREND_ENVELOPE_MODEL_Y_AXIS
   RSSPECAN_ATTR_PULSE_RESULT_PARAMETER_TREND_ENVELOPE_MODEL_X_AXIS
 - rsspecan_QueryPulseResultEnvelopeModel
 - rsspecan_QueryPulseResultLimitEnvelopeModel
 * Updated in Pulse:
 - rsspecan_ConfigurePulseResultParameterDistributionPower - added I, Q to 'X Axis'
 - rsspecan_ConfigurePulseResultParameterTrendPower - added I, Q to 'X Axis'
 - rsspecan_ConfigurePulseResultParameterSpectrumPower - added I, Q to 'Parameter'
 - rsspecan_ConfigurePulseResultTablePowerLimit - added In-Phase Amplitude, Quadrature
Amplitude to 'Parameter'
   RSSPECAN_ATTR_PULSE_RESULT_TABLE_POWER_LIMIT_AMPLITUDE_I_ENABLED
   RSSPECAN_ATTR_PULSE_RESULT_TABLE_POWER_LIMIT_AMPLITUDE_Q_ENABLED

 * New in IQ Analyzer:
 - rsspecan_ConfigureOscilloscopeSampleRate
   RSSPECAN_ATTR_OSCILLOSCOPE_SAMPLE_RATE

- rsspecan_ConfigureOscilloscopePowerSplitterMode
  RSSPECAN_ATTR_OSCILLOSCOPE_POWER_SPLITTER_MODE
- rsspecan_ConfigureTraceIQBW
  RSSPECAN_ATTR_IQ_MAXIMUM_BANDWIDTH
  RSSPECAN_ATTR_IQ_MAXIMUM_BANDWIDTH_MAX
 * Updated in IQ Analyzer:
 - rsspecan_FetchTraceIQData - to fetch all data, submit minus one (-1) to either 'Offset
Samples' or 'No of Sample' controls

 * New in Transient Analysis (K60):
 - rsspecan_ConfigureTransientAnalysisCompensateHopFrequencyDeviation
   RSSPECAN_ATTR_TRANSIENT_HOP_COMPENSATE_HOP_FREQUENCY_DEVIATION
 - rsspecan_ConfigureTransientAnalysisCompensateChirpRateDeviation
   RSSPECAN_ATTR_TRANSIENT_CHIRP_COMPENSATE_CHIRP_RATE_DEVIATION

 * New in WLAN (K91):
 - rsspecan_ConfigureWLANDemodulation802_11ax
   RSSPECAN_ATTR_WLAN_PPDU_FORMAT_TO_MEASURE_802_11AX
   RSSPECAN_ATTR_WLAN_CHANNEL_BANDWIDTH_TO_MEASURE_802_11AX
 - rsspecan_ConfigureWLANDemodulation802_11axHEPPDUConfig
   RSSPECAN_ATTR_WLAN_HE_PPDU_CONFIG_FORMAT
   RSSPECAN_ATTR_WLAN_HE_PPDU_CONFIG_N_HE_LTF
 - rsspecan_QueryWLANDemodulation802_11axHEPPDUConfigHighestRUIndex
   RSSPECAN_ATTR_WLAN_HE_PPDU_CONFG_HIGHEST_RU_INDEX
 - rsspecan_QueryWLANDemodulation802_11axHEPPDUConfigHighestRUIndexSubchannel
   RSSPECAN_ATTR_WLAN_HE_PPDU_CONFIG_HIGHEST_RU_INDEX_SUBCHANNEL
 - rsspecan_QueryWLANDemodulation802_11axHEPPDUConfigUserIndex
   RSSPECAN_ATTR_WLAN_HE_PPDU_CONFIG_USER_INDEX
 - rsspecan_ConfigureWLANDemodulation802_11axHEPPDUConfigRUIndex
   RSSPECAN_ATTR_WLAN_HE_PPDU_CONFIG_RU_INDEX
 - rsspecan_ConfigureWLANDemodulation802_11axHEPPDUConfigRUSize
   RSSPECAN_ATTR_WLAN_HE_PPDU_CONFIG_RU_SIZE
 - rsspecan_ConfigureWLANDemodulation802_11axHEPPDUConfigMCSIndex
   RSSPECAN_ATTR_WLAN_HE_PPDU_CONFIG_MCS_INDEX
 - rsspecan_ConfigureWLANDemodulation802_11axHEPPDUConfigNstsPerUser
   RSSPECAN_ATTR_WLAN_HE_PPDU_CONFIG_NSTS_PER_USER
 - rsspecan_ConfigureWLANDemodulation802_11axHEPPDUConfigTXBeamforming
   RSSPECAN_ATTR_WLAN_HE_PPDU_CONFIG_TX_BEAMFORMING
 - rsspecan_ConfigureWLANDemodulation802_11axHEPPDUConfigDCM
   RSSPECAN_ATTR_WLAN_HE_PPDU_CONFIG_DCM
 - rsspecan_ConfigureWLANDemodulation802_11axHEPPDUConfigCoding
   RSSPECAN_ATTR_WLAN_HE_PPDU_CONFIG_CODING
 - rsspecan_ConfigureWLANDemodulation802_11axHEPPDUConfigInsert
   RSSPECAN_ATTR_WLAN_HE_PPDU_CONFIG_INSERT_USER
 - rsspecan_ConfigureWLANDemodulation802_11axHEPPDUConfigDelete
   RSSPECAN_ATTR_WLAN_HE_PPDU_CONFIG_DELETE_USER
 - rsspecan_ConfWLANMIMOAmplitudeSettingsCoupling
   RSSPECAN_ATTR_WLAN_AMPLITUDE_SETTINGS_COUPLING
 - rsspecan_ConfWLANMIMOReferenceLevelOffset
   RSSPECAN_ATTR_WLAN_REFERENCE_LEVEL_OFFSET_COUPLING
   RSSPECAN_ATTR_WLAN_REFERENCE_LEVEL_OFFSET
 - rsspecan_ConfigureWLANEvaluationRangeTimeDomainAnalysisInterval
   RSSPECAN_ATTR_WLAN_ANALYSIS_INTERVAL_OFFSET
   RSSPECAN_ATTR_WLAN_ANALYSIS_INTERVAL_LENGTH_STATE
   RSSPECAN_ATTR_WLAN_ANALYSIS_INTERVAL_LENGTH
 - rsspecan_ConfigureWLANPreambleChannelEstimation
   RSSPECAN_ATTR_WLAN_PEAMBLE_CHANNEL_ESTIMATION

 * Updated in WLAN (K91):
 - rsspecan_ConfWLANSTCMIMO - Number of MIMO Antennas raised from 4 to 8

- rsspecan_ConfigureWLANSignal - added IEEE 802.11ax to 'Standart'

* New in Phase Noise (K40):
- rsspecan_TransientAnalysisState
  RSSPECAN_ATTR_TRANSIENT_ANALYSIS_MEASUREMENT_STATE
- rsspecan_TransientAnalysisMeasurementMode
  RSSPECAN_ATTR_TRANSIENT_ANALYSIS_MODE
- rsspecan_TransientAnalysisYAxisScaleAFCoupling
  RSSPECAN_ATTR_TRANSIENT_ANALYSIS_Y_AXIS_SCALE_AF_COUPLING
      RSSPECAN_ATTR_TRANSIENT_ANALYSIS_Y_AXIS_SCALE_ZERO_PHASE_POSITI
ONING_MODE
  RSSPECAN_ATTR_TRANSIENT_ANALYSIS_Y_AXIS_SCALE_ZERO_PHASE_POSITION
- rsspecan_TransientAnalysisTracePersistence
  RSSPECAN_ATTR_TRANSIENT_ANALYSIS_PERSISTENCE_STATE
  RSSPECAN_ATTR_TRANSIENT_ANALYSIS_PERSISTENCE_DECAY
- rsspecan_TransientAnalysisYAxisUnit
  RSSPECAN_ATTR_TRANSIENT_ANALYSIS_Y_AXIS_UNIT
- rsspecan_TransientAnalysisReferenceLevel
  RSSPECAN_ATTR_TRANSIENT_ANALYSIS_REFERENCE_LEVEL
- rsspecan_ConfigurePhaseLocalOscillator
  RSSPECAN_ATTR_PHASE_NOISE_LOCAL_OSCILLATOR_SOURCE
  RSSPECAN_ATTR_PHASE_NOISE_LOCAL_OSCILLATOR_EXTERNAL_LEVEL
- rsspecan_ConfigurePhaseSignalSearchingCount
  RSSPECAN_ATTR_SIGNAL_SEARCH_AUTO_COUNT
- rsspecan_ConfigurePhaseCrossCorrelationOptimizeThreshold
  RSSPECAN_ATTR_PHASE_CROSS_CORRELATION_OPTIMIZE_THRESHOLD
- rsspecan_ConfigurePhaseCrossCorrelationFinishSegment
  RSSPECAN_ATTR_PHASE_FINISH_SEGMENT
- rsspecan_SignalSourceSignalFrequencyStepsize
  RSSPECAN_ATTR_SIGNAL_SOURCE_FREQUENCY_STEPSIZE
* Updated in Phase Noise:
- rsspecan_AddPhaseWindow - added Phase
- rsspecan_ReplacePhaseWindow - added Phase

* New in Noise Figure and Gain Measurement (K30):
- rsspecan_QueryNoiseENRTableList
  RSSPECAN_ATTR_NOISE_ENR_TABLE_LIST

* Updated in VSA (K70):
- rsspecan_ConfigureVSATraceEval - Use attribute RSSPECAN_ATTR_ACTIVE_WINDOW to
configure the window on instrument before calling this function
  RSSPECAN_ATTR_VSA_TRACE_EVALUATION

* Modified Range Tables:
- rsspecan_rngSEMFilterType - RSSPECAN_ATTR_SEM_RANGE_FILTER_TYPE
                              New items: RSSPECAN_VAL_SEM_FILTER_TYPE_P5
- rsspecan_rngPulseParameterPowerTrend -
RSSPECAN_ATTR_PULSE_RESULT_PARAMETER_TREND_POWER_Y_AXIS,
RSSPECAN_ATTR_PULSE_RESULT_PARAMETER_TREND_POWER_X_AXIS,
RSSPECAN_ATTR_PULSE_PARAMETER_SPECTRUM_POWER
                              New items: RSSPECAN_VAL_PULSE_RESULT_POWER_I,
RSSPECAN_VAL_PULSE_RESULT_POWER_Q
- rsspecan_rngLTEDownlinkModulation -
RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_MODULATION_FSV,
RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_MODULATION,
RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_SUBFRAME_PMCH_MODULATION_FSV,
RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_SUBFRAME_PMCH_MODULATION
                              New items:
RSSPECAN_VAL_LTE_DOWNLINK_MODULATION_1024QAM

- rsspecan_rngWlanStandard - RSSPECAN_ATTR_WLAN_STAN
Range changed to <0;10>
- rsspecan_rngWLANGuardIntervalLength -
RSSPECAN_ATTR_WLAN_GUARD_INTERVAL_LENGTH
New items:
RSSPECAN_VAL_WLAN_GUARD_INTERVAL_L1G1,
RSSPECAN_VAL_WLAN_GUARD_INTERVAL_L1G2,
RSSPECAN_VAL_WLAN_GUARD_INTERVAL_L2G2,
RSSPECAN_VAL_WLAN_GUARD_INTERVAL_L2G1,
RSSPECAN_VAL_WLAN_GUARD_INTERVAL_L4G4
- RsSpecAn_rngLTEDownlinkBeamformingAntennaPort -
RSSPECAN_ATTR_LTE_DOWNLINK_BEAMFORMING_ANTENNA_PORT_FSV,
RSSPECAN_ATTR_LTE_DOWNLINK_BEAMFORMING_ANTENNA_PORT
New items:
RSSPECAN_VAL_BEAMFORMING_ANTENNA_PORT_11,
RSSPECAN_VAL_BEAMFORMING_ANTENNA_PORT_12,
RSSPECAN_VAL_BEAMFORMING_ANTENNA_PORT_13,
RSSPECAN_VAL_BEAMFORMING_ANTENNA_PORT_14,
RSSPECAN_VAL_BEAMFORMING_ANTENNA_PORT_ALL
- rsspecan_rngLTEDownlinkLayoutType -
New items: RSSPECAN_VAL_LAYOUT_TYPE_CRWM,
RSSPECAN_VAL_LAYOUT_TYPE_CRWP, RSSPECAN_VAL_LAYOUT_TYPE_IRWM,
RSSPECAN_VAL_LAYOUT_TYPE_IRWP, RSSPECAN_VAL_LAYOUT_TYPE_URWA,
RSSPECAN_VAL_LAYOUT_TYPE_URWP, RSSPECAN_VAL_LAYOUT_TYPE_DIAG,
RSSPECAN_VAL_LAYOUT_TYPE_FAL1, RSSPECAN_VAL_LAYOUT_TYPE_FAL2,
RSSPECAN_VAL_LAYOUT_TYPE_OOPL, RSSPECAN_VAL_LAYOUT_TYPE_RIS1,
RSSPECAN_VAL_LAYOUT_TYPE_RIS2, RSSPECAN_VAL_LAYOUT_TYPE_PEAK
- rsspecan_rngLTEUplinkLayoutType -
New items: RSSPECAN_VAL_LAYOUT_TYPE_DIAG,
RSSPECAN_VAL_LAYOUT_TYPE_PEAK
- rsspecan_rngDOCSISLayoutType.RSSPECAN_VAL_LAYOUT_TYPE_PLCM -
Help changed ("PLC Messages (downstream only)", "   PLC
Messages (downstream only)")
- rsspecan_rngDOCSISLayoutType.RSSPECAN_VAL_LAYOUT_TYPE_PLCM -
Description changed ("PLC Messages (downstream only)", "
PLC Messages (downstream only)")
- rsspecan_rngDOCSISLayoutType -
New items: RSSPECAN_VAL_LAYOUT_TYPE_SBP
- RsSpecAn_rngPhaseNoiseMeasurement - RSSPECAN_ATTR_PHASE_MEASUREMENT
New items: RSSPECAN_VAL_PNO_MEAS_PRESIDUAL,
RSSPECAN_VAL_PNO_MEAS_BASEBAND
- rsspecan_rngPhaseNoiseLayoutType -
New items: RSSPECAN_VAL_LAYOUT_TYPE_PHASE
- RsSpecAn_rngDOCSISUpstreamModulation -
RSSPECAN_ATTR_DOCSIS_UPSTREAM_PROFILE_CONFIGURATION_MODULATION
New items:
RSSPECAN_VAL_DOCSIS_UPSTREAM_MODULATION_QAM32,
RSSPECAN_VAL_DOCSIS_UPSTREAM_MODULATION_UNUSED

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* Added support for FSW 2.50, FSWP 1.30
* New Subsystems:
- Spurious Measurement Application - K50

* New in Base System:
- rsspecan_ConfigureRFInputWithUserImpedance
RSSPECAN_ATTR_INPUT_IMPEDANCE_USER

RSSPECAN_ATTR_INPUT_IMPEDANCE_PAD_TYPE
- rsspecan_ConfigureTraceFileType
RSSPECAN_ATTR_TRACE_FILE_TYPE
- rsspecan_ConfigureTraceImport
RSSPECAN_ATTR_TRACE_EXPORT_ALL
- rsspecan_ImportSingleTraceFromFile
- rsspecan_ImportLimit
RSSPECAN_LIMIT_IMPORT
- rsspecan_ExportLimit
- rsspecan_ImportTransducerFactor
RSSPECAN_ATTR_TRANSDUCER_FACTOR_IMPORT
- rsspecan_ExportTransducerFactor
- rsspecan_QueryIQDataFormat
- rsspecan_WriteCommandWithOPCSync
- rsspecan_QueryWithOPCSync
- rsspecan_ConfigureSweepPoints - readded from Deprecated
- rsspecan_QuerySweepPoints - readded from Deprecated

 * Updated in Base System:
 - rsspecan_QueryPowerResults ... returned results updated
 - rsspecan_ConfigureSESweepListStartStop..Range updated to 1 to 1000 with R&S FSW-K50
 - rsspecan_ConfigureSESweepListReferenceLevel..Range updated to 1 to 1000 with R&S
FSW-K50
 - rsspecan_ConfigureSESweepListPreamplifier..Range updated to 1 to 1000 with R&S FSW-
K50
 - rsspecan_ConfigureSESweepListPreamplifierLevel..Range updated to 1 to 1000 with R&S
FSW-K50
 - rsspecan_SEDeleteRange..Range updated to 1 to 1000 with R&S FSW-K50

 * New in K14
 - rsspecan_DwellTime
RSSPECAN_ATTR_DWELL_TIME_AUTO
RSSPECAN_ATTR_DWELL_TIME

 * New in DOCSIS
 - rsspecan_FetchDOCSISPLCTimestamp
 - rsspecan_FetchDOCSISPLCOFDMChannelInformation
 - rsspecan_FetchDOCSISPLCOFDMPilotsSubcarriers
 - rsspecan_FetchDOCSISPLCOFDMExcludedSubcarriers
 - rsspecan_FetchDOCSISPLCNCPInformation
 - rsspecan_FetchDOCSISPLCNCPSubcarriers
 - rsspecan_FetchDOCSISPLCProfileSubcarriers
 - rsspecan_FetchDOCSISPLCProfileInformation

 * Updated in DOCSIS
 - rsspecan_AddDOCSISWindow
 - rsspecan_ReplaceDOCSISWindow
 - rsspecan_ConfigureDOCSISModulation
 - rsspecan_ConfigureDOCSISOFDMChannelDescription
RSSPECAN_ATTR_DOCSIS_NPC_MODULATION deperecated, new attribute
RSSPECAN_ATTR_DOCSIS_NCP_MODULATION

 * New in Amplifier (K18)
 - rsspecan_ConfigureAmplifierGeneratorDigitalAttenuation
RSSPECAN_ATTR_AMPLIFIER_GENERATOR_DIGITAL_ATTENUATION
 - rsspecan_ConfigureAmplifierGeneratorRFOutput
RSSPECAN_ATTR_AMPLIFIER_GENERATOR_RF_OUTPUT
 - rsspecan_UpdateAmplifierSettingsFromGenerator
RSSPECAN_ATTR_AMPLIFIER_SETUP_FROM_GENERATOR
 - rsspecan_ConfigureAmplifierDPDMethod

RSSPECAN_ATTR_AMPLIFIER_DPD_METHOD
- rsspecan_GenerateDPDWaveformFile
  RSSPECAN_ATTR_AMPLIFIER_DPD_GENERATE_WAVEFORM_FILE
- rsspecan_ExportDPDWaveformToFile
  RSSPECAN_ATTR_AMPLIFIER_DPD_EXPORT_WAVEFORM_FILE
- rsspecan_ConfigureAmplifierResultSummaryDisplayAll
  RSSPECAN_ATTR_AMPLIFIER_DISPLAY_WINDOW_TABLE_ITEM_MACC_ALL
  RSSPECAN_ATTR_AMPLIFIER_DISPLAY_WINDOW_TABLE_ITEM_POWER_ALL
  RSSPECAN_ATTR_AMPLIFIER_DISPLAY_WINDOW_TABLE_ITEM_VC_ALL
- rsspecan_ConfigureAmplifierPhaseDisplaySettings
  RSSPECAN_ATTR_AMPLIFIER_AM_PM_DISPLAY_PHASE
  RSSPECAN_ATTR_AMPLIFIER_AM_PM_DEFINITION
- rsspecan_ConfigureAmplifierResultParameterSweepTableAll
  RSSPECAN_ATTR_AMPLIFIER_PARAMETERS_SWEEP_TABLE_ITEM_ALL
- rsspecan_ConfigureAmplifierPowerReferenceDisplaySettings

* Update in Amplifier (K18)
- rsspecan_GetAmplifierGeneratorSetupLedState
  RSSPECAN_ATTR_AMPLIFIER_GENERATOR_DIGITAL_ATTENUATION_STATE
  RSSPECAN_ATTR_AMPLIFIER_GENERATOR_RF_OUTPUT_STATE
- rsspecan_AmplifierAddWindow
- rsspecan_AmplifierReplaceWindow

* New in LTE DL:
- rsspecan_ConfigureLTEDownlinkReferenceSignalCarr
  RSSPECAN_ATTR_LTE_DOWNLINK_REFERENCE_POWER_CARR

* Updated in LTE UL:
- rsspecan_QueryLTEUplinkMeasurementFrameStartOffset
  RSSPECAN_ATTR_LTE_UPLINK_TRIGGER_TO_FRAME_RESULT_CARR ... new attribute

* New in Pulse (K6):
- rsspecan_QueryPulseResultLimitPower
- rsspecan_QueryPulseResultLimitTiming
- rsspecan_QueryPulseResultLimitFrequency
- rsspecan_QueryPulseResultLimitPhase

* Update in Pulse (K6)
- rsspecan_PulseMeasurementAddWindow
- rsspecan_PulseMeasurementReplaceWindow
- rsspecan_QueryPulseResultPower
- rsspecan_ConfigurePulseResultTablePower
  RSSPECAN_ATTR_PULSE_RESULT_TABLE_POWER_AMPLITUDE_I
  RSSPECAN_ATTR_PULSE_RESULT_TABLE_POWER_AMPLITUDE_Q

* New in VSA (K70:)
- - rsspecan_ReadVSATraceSymbolErrors

* Updated in VSA (K70):
- rsspecan_ConfigureVSAModulationSettings
- rsspecan_GetVSAResult ... modifier range checking changed

* New in Phase Noise (FSWP)
- rsspecan_VCOState
  RSSPECAN_ATTR_VCO_MEASUREMENT_STATE
- rsspecan_VCODCSource
  RSSPECAN_ATTR_VCO_SWEEP_SOURCE
  RSSPECAN_ATTR_VCO_SWEEP_FIX_SOURCE
- rsspecan_VCOSweep
  RSSPECAN_ATTR_VCO_SWEEP_START

RSSPECAN_ATTR_VCO_SWEEP_STOP
RSSPECAN_ATTR_VCO_SWEEP_POINTS
RSSPECAN_ATTR_VCO_SWEEP_INITIAL_SETTLING_TIME
RSSPECAN_ATTR_VCO_SWEEP_SETTLING_TIME
RSSPECAN_ATTR_VCO_SWEEP_FREQUENCY_RESOLUTION
- rsspecan_SpotNoiseVsTuneState
RSSPECAN_ATTR_SPOT_NOISE_VS_TUNE_MEASUREMENT_STATE
- rsspecan_SpotNoiseVsTuneSource
RSSPECAN_ATTR_SPOT_NOISE_VS_TUNE_SWEEP_SOURCE
- rsspecan_SpotNoiseVsTuneSweep
RSSPECAN_ATTR_SPOT_NOISE_VS_TUNE_SWEEP_START
RSSPECAN_ATTR_SPOT_NOISE_VS_TUNE_SWEEP_STOP
RSSPECAN_ATTR_SPOT_NOISE_VS_TUNE_SWEEP_POINTS
RSSPECAN_ATTR_SPOT_NOISE_VS_TUNE_SWEEP_INITIAL_SETTLING_TIME
RSSPECAN_ATTR_SPOT_NOISE_VS_TUNE_SWEEP_SETTLING_TIME

RSSPECAN_ATTR_PNOISE_BASEBAND_INPUT_CONNECTOR

* Update in Phase Noise (FSWP)
- rsspecan_AddPhaseWindow
- rsspecan_ReplacePhaseWindow

* Updated in Transient Analysis (K60)
- rsspecan_TransientAnalysisAddWindow... bug fixed
- rsspecan_TransientAnalysisReplaceWindow....bug fixed
- rsspecan_ConfigureTransientAnalysisEvaluationBasis ... window active

4.14 Version 3.7.0 / 2016 - 08

* Added support for FSW 2.40, FSWP 1.20, FSV 3.10, FPS 1.40, FSVA 3.10
* Added support for fast sweep measurements
* New Subsystems
- Avionics
* New in Base System:
- rsspecan_ConfigureInternalWidebandCalibrationFrequency
- rsspecan_SystemTreeWalking
- rsspecan_ConfigureHardcopyPrintMarginsSettings
- rsspecan_ConfigureHardcopyWindowsSettings
- rsspecan_HardcopyContent
- rsspecan_ClearStatus
- rsspecan_IDQueryResponse
- rsspecan_ProcessAllPreviousCommands
- rsspecan_QueryOPC
- rsspecan_SetVISATimeout
- rsspecan_GetVISATimeout
* Updated in Base System:
- rsspecan_ConfigureExternalGate
- rsspecan_ConfigureCalibrationSignal
- rsspecan_ConfigurePresetFilter
- rsspecan_AddWindow
- rsspecan_ReplaceWindow
- rsspecan_QueryPowerResults
- rsspecan_ConfigureHardcopyDevice
- rsspecan_getStatusRegisterQuery
* New in IQ Analyzer:
- rsspecan_ConfigureIQBandwidthExtention

* Updated in VSA:
- rsspecan_ConfigureVSAModulationSettings
* New in Phase Noise:
- rsspecan_ConfigurePhaseDisplayYAxisUnit
- rsspecan_ConfigurePhasePulseExternalGateType
- rsspecan_ConfigurePhaseSignalCaptureRange
- rsspecan_SignalSourceDUTBypass
- rsspecan_SignalSourcePulseModulation
- rsspecan_SignalSourcePulseSettings
* Updated in Phase Noise:
- rsspecan_ReadPhaseTraceData
* New in DOCSIS:
- rsspecan_ConfigureDOCSISOFDMSpectrumLocation
- rsspecan_QueryDOCSISNextCodewordPointerNumberOfEntries
- rsspecan_ConfigureDOCSISNextCodewordPointerModulation
- rsspecan_ConfigureDOCSISNextCodewordPointerStartStop
- rsspecan_ConfigureDOCSISNextCodewordPointerSet
- rsspecan_ConfigureDOCSISLimitCheckState
- rsspecan_ConfigureDOCSISEvaluationRangeSymbolSize
- rsspecan_ConfigureDOCSISResultSummaryUnit
- rsspecan_FetchDOCSISContinuousPilotsResults
- rsspecan_FetchDOCSISDataResults
- rsspecan_FetchDOCSISPowerPilotsResults
- rsspecan_FetchDOCSISScatteredPilotsResults
- rsspecan_FetchDOCSISPhysicalLinkChannelResults
* Updated in DOCSIS:
- rsspecan_ConfigureDOCSISChannelEstimation
- rsspecan_AddDOCSISWindow
- rsspecan_ReplaceDOCSISWindow
* New in Noise Figure and Gain Measurement:
- rsspecan_ConfigureNoiseLocalOscillatorSettings
- rsspecan_ConfigureNoiseFrequencyEntriesTable
- rsspecan_ConfigureNoiseResultSummaryDisplay
* New in Amplifier:
- rsspecan_QueryAmplifierIQSynchronizationData
- rsspecan_ConfigureAmplifierPowerServoing
- rsspecan_ConfigureAmplifierPowerServoingTargetSettings
- rsspecan_ConfigureAmplifierPowerServoingDataAcquisition
- rsspecan_ConfigureAmplifierPowerServoingStart
- rsspecan_ConfigureAmplifierPowerServoingStop
- rsspecan_GetAmplifierPowerAllResult
* Updated in Amplifier:
- rsspecan_AmplifierAddWindow
- rsspecan_AmplifierReplaceWindow
* New in Multi-Carrier Group Delay:
- rsspecan_ConfigureMultiCarrierGroupDelayReference
- rsspecan_ConfigureMultiCarrierGroupDelayReferenceFrequency
- rsspecan_ReplaceMultiCarrierGroupDelayWindow
- rsspecan_AddMultiCarrierGroupDelayWindow
* Updated in WCDMA:
- rsspecan_WCDMATAELoadDefaultCarrierTable - FSV support instrument added
- rsspecan_WCDMATAECarrierTableOperations - FSV support instrument added
- rsspecan_GetWCDMATAECarrierTableCatalog - FSV support instrument added
- rsspecan_GetWCDMATAENumberOfCarriers   - FSV support instrument added
- rsspecan_WCDMATAECarrierOperations   - FSV support instrument added
- rsspecan_ConfigureWCDMATAECarrierTable   - FSV support instrument added
* New in Transient Analysis:
- rsspecan_ConfigureTransientAnalysisEvaluation
* Updated Transient Analysis:
- rsspecan_TransientAnalysisReplaceWindow

* New in IEEE 802-11:
- rsspecan_ConfigureWLANSpectrumFlatnessUnit
- rsspecan_FetchWLANEffectiveChannelGain
- rsspecan_FetchWLANPhysicalChannelGain
- rsspecan_GetWLANUpperLimitLine
- rsspecan_GetWLANUpperLimitLine
* New in LTE Downlink:
- rsspecan_ConfigureLTEDownlinkFrequencySweepMeasurementsAuto
- rsspecan_QueryLTEDownlinkCCDFResults
- rsspecan_QueryLTEDownlinkCCDFStatisticalResults
- rsspecan_QueryLTEDownlinkCCDFStatisticalAllResults
- rsspecan_QueryLTEDownlinkMeasurementLimitCheckResult
- rsspecan_QueryLTEDownlinkMeasurementEVMPhysicalChannelLimitCheck
- rsspecan_QueryLTEDownlinkMeasurementEVMPhysicalSignalLimitCheck
- rsspecan_QueryLTEDownlinkMeasurementFrequencyErrorLimitCheck
- rsspecan_QueryLTEDownlinkMeasurementSamplingErrorLimitCheck
- rsspecan_QueryLTEDownlinkMeasurementIQOffsetLimitCheck
- rsspecan_QueryLTEDownlinkMeasurementIQGainImbalanceLimitCheck
- rsspecan_QueryLTEDownlinkMeasurementIQQuadratureErrorLimitCheck
- rsspecan_ConfigureLTEDownlinkMeasurementSignalDetection
- rsspecan_ConfigureLTEDownlinkMeasurementSubframe
- rsspecan_ConfigureLTEDownlinkMeasurementSubframeAll
- rsspecan_ConfigureLTEDownlinkMeasurementConstelllationModulation
- rsspecan_ConfigureLTEDownlinkMeasurementConstelllationModulationAll
- rsspecan_ConfigureLTEDownlinkMeasurementConstelllationAllocation
- rsspecan_ConfigureLTEDownlinkMeasurementConstelllationAllocationAll
- rsspecan_ConfigureLTEDownlinkMeasurementConstelllationOFDMSymbol
- rsspecan_ConfigureLTEDownlinkMeasurementConstelllationOFDMSymbolAll
- rsspecan_ConfigureLTEDownlinkMeasurementConstelllationCarrier
- rsspecan_ConfigureLTEDownlinkMeasurementConstelllationCarrierAll
- rsspecan_ConfigureLTEDownlinkMeasurementConstelllationLocation
- rsspecan_ConfigureLTEDownlinkMeasurementAntennaPort
- rsspecan_QueryLTEDownlinkMarkerZAxis
- rsspecan_QueryLTEDownlinkMarkerZAxisAll
* Updated in LTE Downlink:
- rsspecan_ConfigureLTEDownlinkPDSCHConfigurableSubframes
- rsspecan_ConfigureLTEDownlinkPDSCHUsedAllocations
- rsspecan_ConfigureLTEDownlinkPDSCHUsedAllocation
- rsspecan_ConfigureLTEDownlinkPDSCHUsedAllocationEnhancedSettings
- rsspecan_ConfigureLTEDownlinkPositioningReferenceSignal
- rsspecan_ConfigureLTEDownlinkCSIReferenceSignal
- rsspecan_ConfigureLTEDownlinkPRBSymbolOffset
- rsspecan_ConfigureLTEDownlinkPBCH
- rsspecan_ConfigureLTEDownlinkPCFICH
- rsspecan_ConfigureLTEDownlinkPHICH
- rsspecan_ConfigureLTEDownlinkPHICHNgParameter
- rsspecan_ConfigureLTEDownlinkPHICHEnhancedTestModels
- rsspecan_ConfigureLTEDownlinkPDCCH
- rsspecan_ConfigureLTEDownlinkPDSCHPowerRatio
- rsspecan_ConfigureLTEDownlinkEPDCCH
- rsspecan_ConfigureLTEDownlinkMBSFN
- rsspecan_ConfigureLTEDownlinkMBSFNSubframe
- rsspecan_QueryLTEDownlinkMeasurementResultSummary
- rsspecan_QueryLTEDownlinkMeasurementPowerResult
* New in LTE Uplink:
- rsspecan_ConfigureLTEUplinkDRSCellID
- rsspecan_ConfigureLTEUplinkDRSCellIDValue
- rsspecan_ConfigureLTEUplinkSoundingReferenceSignalState
- rsspecan_ConfigureLTEUplinkPUCCHCellID
- rsspecan_ConfigureLTEUplinkPUCCHCellIDValue

- rsspecan_ConfigureLTEUplinkLocalOscillatorLocation
- rsspecan_QueryLTEUplinkCCDFResults
- rsspecan_QueryLTEUplinkCCDFStatisticalResults
- rsspecan_QueryLTEUplinkCCDFStatisticalAllResults
- rsspecan_QueryLTEUplinkMeasurementLimitCheckResult
- rsspecan_QueryLTEUplinkMeasurementLimitCheckEVMAll
- rsspecan_QueryLTEUplinkMeasurementEVMPhysicalChannelLimitCheck
- rsspecan_QueryLTEUplinkMeasurementEVMPhysicalSignalLimitCheck
- rsspecan_QueryLTEUplinkMeasurementFrequencyErrorLimitCheck
- rsspecan_QueryLTEUplinkMeasurementSamplingErrorLimitCheck
- rsspecan_QueryLTEUplinkMeasurementIQOffsetLimitCheck
- rsspecan_QueryLTEUplinkMeasurementIQGainImbalanceLimitCheck
- rsspecan_QueryLTEUplinkMeasurementIQQuadratureErrorLimitCheck
- rsspecan_ConfigureLTEUplinkMeasurementSignalDetection
- rsspecan_ConfigureLTEUplinkMeasurementSubframe
- rsspecan_ConfigureLTEUplinkMeasurementSubframeAll
- rsspecan_ConfigureLTEUplinkMeasurementSlot
- rsspecan_ConfigureLTEUplinkMeasurementConstelllationModulation
- rsspecan_ConfigureLTEUplinkMeasurementConstelllationModulationAll
- rsspecan_ConfigureLTEUplinkMeasurementConstelllationAllocation
- rsspecan_ConfigureLTEUplinkMeasurementConstelllationAllocationAll
- rsspecan_ConfigureLTEUplinkMeasurementConstelllationOFDMSymbol
- rsspecan_ConfigureLTEUplinkMeasurementConstelllationOFDMSymbolAll
- rsspecan_ConfigureLTEUplinkMeasurementConstelllationCarrier
- rsspecan_ConfigureLTEUplinkMeasurementConstelllationCarrierAll
- rsspecan_QueryLTEUplinkMarkerZAxis
- rsspecan_QueryLTEUplinkMarkerZAxisAll
* Updated in LTE Uplink:
- rsspecan_ConfigureLTEUplinkSignalCharacteristics
- rsspecan_ConfigureLTEUplinkSpectrumFlatness
- rsspecan_ConfigureLTEUplinkGlobalSettings
- rsspecan_ConfigureLTEUplinkSoundingReferenceSignal
- rsspecan_ConfigureLTEUplinkPUCCHStructure
- rsspecan_ConfigureLTEUplinkPRACHStructure
- rsspecan_ConfigureLTEUplinkPRACHPreambleMapping
- rsspecan_ConfigureLTEUplinkPUCCHResourceBlocksAuto
- rsspecan_QueryLTEUplinkMeasurementResultSummary
- rsspecan_QueryLTEUplinkMeasurementPowerResult
* New in WiGIG:
- rsspecan_ConfigureWiGigResultSummaryDisplay
* New attributes:
- RSSPECAN_ATTR_SYSTEM_TREE_WALKING (System Tree Walking)
- RSSPECAN_ATTR_HCOPY_CONTENT (Hcopy Content)
- RSSPECAN_ATTR_HCOPY_PAGE_PRINTING_STATE (Hcopy Page Printing State)
- RSSPECAN_ATTR_HCOPY_PAGE_MARGIN_TOP (Hcopy Page Margin Top)
- RSSPECAN_ATTR_HCOPY_PAGE_MARGIN_LEFT (Hcopy Page Margin Left)
- RSSPECAN_ATTR_HCOPY_PAGE_MARGIN_BOTTOM (Hcopy Page Margin Bottom)
- RSSPECAN_ATTR_HCOPY_PAGE_MARGIN_RIGHT (Hcopy Page Margin Right)
- RSSPECAN_ATTR_HCOPY_PAGE_MARGIN_UNIT (Hcopy Page Margin Unit)
- RSSPECAN_ATTR_HCOPY_WINDOWS_COUNT (Hcopy Windows Count)
- RSSPECAN_ATTR_HCOPY_WINDOWS_SCALE (Hcopy Windows Scale)
- RSSPECAN_ATTR_SERVICE_INTERNAL_WIDEBAND_CALIBRATION_FREQUENCY
(Service Internal Wideband Calibration Frequency)
- RSSPECAN_ATTR_FORCE_IQ_BANDWIDTH_EXTENSION (Force IQ Bandwidth Extension)
- RSSPECAN_ATTR_MCGD_CARRIER_REFERENCE_TYPE (MCGD Carrier Reference
Type)
- RSSPECAN_ATTR_MCGD_CARRIER_REFERENCE_FREQUENCY (MCGD Carrier
Reference Frequency)
- RSSPECAN_ATTR_AMPLIFIER_SYNCHRONIZATION_IQ_DATA (Amplifier Synchronization
IQ Data)

  - RSSPECAN_ATTR_AMPLIFIER_POWER_SERVOING_MAXIMUM_INPUT (Amplifier Power Servoing Maximum Input)
  - RSSPECAN_ATTR_AMPLIFIER_POWER_SERVOING_EXPECTED_GAIN (Amplifier Power Servoing Expected Gain)
  - RSSPECAN_ATTR_AMPLIFIER_POWER_SERVOING_TARGET_OUTPUT_POWER (Amplifier Power Servoing Target Output Power)
  - RSSPECAN_ATTR_AMPLIFIER_POWER_SERVOING_MAXIMUM_OUTPUT_DEVIATION (Amplifier Power Servoing Maximum Output Deviation)
  - RSSPECAN_ATTR_AMPLIFIER_POWER_SERVOING_MEASUREMENT_AUTO (Amplifier Power Servoing Measurement Auto)
  - RSSPECAN_ATTR_AMPLIFIER_POWER_SERVOING_MEASUREMENT_TIME (Amplifier Power Servoing Measurement Time)
  - RSSPECAN_ATTR_AMPLIFIER_POWER_SERVOING_CAPTURE_LENGTH (Amplifier Power Servoing Capture Length)
  - RSSPECAN_ATTR_AMPLIFIER_POWER_SERVOING_START (Amplifier Power Servoing Start)
  - RSSPECAN_ATTR_AMPLIFIER_POWER_SERVOING_STOP (Amplifier Power Servoing Stop)
  - RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_CONFIGURABLE_SUBFRAMES_FSV (LTE Downlink PDSCH Configurable Subframes FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_USED_ALLOCATIONS_FSV (LTE Downlink PDSCH Used Allocations FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_ID_FSV (LTE Downlink PDSCH Allocation ID FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_VRB_GAP_FSV (LTE Downlink PDSCH Allocation VRB Gap FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_POWER_FSV (LTE Downlink PDSCH Allocation Power FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_START_OFFSET_FSV (LTE Downlink PDSCH Allocation Start Offset FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_RESOURCE_BLOCKS_FSV (LTE Downlink PDSCH Allocation Resource Blocks FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_RESOURCE_BLOCKS_OFFSET_FSV (LTE Downlink PDSCH Allocation Resource Blocks Offset FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_MODULATION_FSV (LTE Downlink PDSCH Allocation Modulation FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_PRECODING_FSV (LTE Downlink PDSCH Allocation Precoding FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_CODEWORD_TO_LAYER_MAPPING_FSV (LTE Downlink PDSCH Allocation Codeword To Layer Mapping FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_SCRAMBLING_IDENTITY_FSV (LTE Downlink PDSCH Allocation Scrambling Identity FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_SINGLE_LAYER_ANTENNA_PORT_FSV (LTE Downlink PDSCH Allocation Single Layer Antenna Port FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_CODEBOOK_INDEX_FSV (LTE Downlink PDSCH Allocation Codebook Index FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_CYCLIC_DELAY_DIVERSITY_FSV (LTE Downlink PDSCH Allocation Cyclic Delay Diversity FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_ENABLED_FSV (LTE Downlink Positioning Reference Signal Enabled FSV)
  - RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_BANDWIDTH_FSV (LTE Downlink Positioning Reference Signal Bandwidth FSV)

- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_CONFIGURATION_INDEX_FSV (LTE Downlink Positioning Reference Signal Configuration Index FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_SUBFRAMES_FSV (LTE Downlink Positioning Reference Signal Subframes FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_RELATIVE_POWER_FSV (LTE Downlink Positioning Reference Signal Relative Power FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_FRAME_NUMBER_OFFSET_FSV (LTE Downlink Positioning Reference Signal Frame Number Offset FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_STATE_FSV (LTE Downlink CSI RS State FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_ANTENNA_PORTS_FSV (LTE Downlink CSI RS Antenna Ports FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_CONFIGURATION_INDEX_FSV (LTE Downlink CSI RS Configuration Index FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_OVERWRITE_PDSCH_FSV (LTE Downlink CSI RS Overwrite PDSCH FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_RELATIVE_POWER_FSV (LTE Downlink CSI RS Relative Power FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_SUBFRAME_CONFIGURATION_FSV (LTE Downlink CSI RS Subframe Configuration FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_FRAME_NUMBER_OFFSET_FSV (LTE Downlink CSI RS Frame Number Offset FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_PRB_SYMBOL_OFFSET_FSV (LTE Downlink Symbol Offset FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_PBCH_STATE_FSV (LTE Downlink PBCH State FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_PBCH_RELATIVE_POWER_FSV (LTE Downlink PBCH Relative Power FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_PCFICH_STATE_FSV (LTE Downlink PCFICH State FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_PCFICH_RELATIVE_POWER_FSV (LTE Downlink PCFICH Relative Power FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_PHICH_DURATION_FSV (LTE Downlink PHICH Duration FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_PHICH_NUMBER_OF_GROUPS_FSV (LTE Downlink PHICH Number Of Groups FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_PHICH_ENHANCED_TEST_MODELS_FSV (LTE Downlink PHICH Enhanced Test Models FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_PHICH_NG_PARAMETER_FSV (LTE Downlink PHICH Ng Parameter FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_PHICH_RELATIVE_POWER_FSV (LTE Downlink PHICH Relative Power FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_PDCCH_FORMAT_FSV (LTE Downlink PDCCH Format FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_PDCCH_NUMBER_OF_PDCCHS_FSV (LTE Downlink PDCCH Number of PDCCHs FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_PDCCH_RELATIVE_POWER_FSV (LTE Downlink PDCCH Relative Power FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_POWER_RATIO_FSV (LTE Downlink PDSCH Power Ratio FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_PRB_PAIRS_FSV (LTE Downlink EPDCCH PRB Pairs FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_LOCALIZED_FSV (LTE Downlink EPDCCH Localized FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_RELATIVE_POWER_FSV (LTE Downlink EPDCCH Relative Power FSV)

- RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_RB_ASSIGNMENT_FSV (LTE Downlink EPDCCH RB Assignment FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_SET_ID_FSV (LTE Downlink EPDCCH Set ID FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_ENABLED_FSV (LTE Downlink MBSFN State FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_RELATIVE_POWER_FSV (LTE Downlink MBSFN Relative Power FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_AREA_ID_FSV (LTE Downlink MBSFN Area ID FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_NON_MBSF_REGION_LENGTH_FSV (LTE Downlink MBSFN Non MBSF Region Length FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_SUBFRAME_ENABLED_FSV (LTE Downlink MBSFN Subframe State FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_SUBFRAME_PMCH_ENABLED_FSV (LTE Downlink MBSFN Subframe PMCH State FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_SUBFRAME_PMCH_MODULATION_FSV (LTE Downlink MBSFN Subframe PMCH Modulation FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_MEASUREMENT_SIGNAL_DETECTION (LTE Downlink Measurement Signal Detection)
- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_ALLOCATION_FSV (LTE Downlink Constellation Allocation FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_ALLOCATION_ALL_FSV (LTE Downlink Constellation Allocation All FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_CARRIER_FSV (LTE Downlink Constellation Carrier FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_CARRIER_ALL_FSV (LTE Downlink Constellation Carrier All FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_CODEWORD_FSV (LTE Downlink Constellation Codeword FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_CODEWORD_ALL_FSV (LTE Downlink Constellation Codeword All FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_BEAMFORMING_ANTENNA_PORT_FSV (LTE Downlink Beamforming Antenna Port FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_QPSK_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Downlink EVM PDSCH QPSK Limit Check Result Average FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_QPSK_LIMIT_CHECK_RESULT_MAX_FSV (LTE Downlink EVM PDSCH QPSK Limit Check Result Maximum FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_16QAM_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Downlink EVM PDSCH 16QAM Limit Check Result Average FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_16QAM_LIMIT_CHECK_RESULT_MAX_FSV (LTE Downlink EVM PDSCH 16QAM Limit Check Result Maximum FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_64QAM_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Downlink EVM PDSCH 64QAM Limit Check Result Average FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_64QAM_LIMIT_CHECK_RESULT_MAX_FSV (LTE Downlink EVM PDSCH 64QAM Limit Check Result Maximum FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_256QAM_RESULT_MIN_FSV (LTE Downlink EVM PDSCH 256QAM Result Minimum FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_256QAM_RESULT_FSV (LTE Downlink EVM PDSCH 256QAM Result Average FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_256QAM_RESULT_MAX_FSV (LTE Downlink EVM PDSCH 256QAM Result Maximum FSV)

- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PHYSICAL_CHANNEL_LIMIT_CHECK_RESULT_ AVERAGE_FSV (LTE Downlink EVM Physical Channel Limit Check Result Average FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PHYSICAL_CHANNEL_LIMIT_CHECK_RESULT_ MAX_FSV (LTE Downlink EVM Physical Channel Limit Check Result Maximum FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PHYSICAL_SIGNAL_LIMIT_CHECK_RESULT_AV ERAGE_FSV (LTE Downlink EVM Physical Signal Limit Check Result Average FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PHYSICAL_SIGNAL_LIMIT_CHECK_RESULT_M AX_FSV (LTE Downlink EVM Physical Signal Limit Check Result Maximum FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_FREQUENCY_ERROR_LIMIT_CHECK_RESULT_AVER AGE_FSV (LTE Downlink Frequency Error Limit Check Result Average FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_FREQUENCY_ERROR_LIMIT_CHECK_RESULT_MAX_ FSV (LTE Downlink Frequency Error Limit Check Result Maximum FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_GAIN_IMBALANCE_LIMIT_CHECK_RESULT_AVER AGE_FSV (LTE Downlink IQ Gain Imbalance Limit Check Result Average FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_GAIN_IMBALANCE_LIMIT_CHECK_RESULT_MAX_ FSV (LTE Downlink IQ Gain Imbalance Limit Check Result Maximum FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_OFFSET_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Downlink IQ Offset Limit Check Result Average FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_OFFSET_LIMIT_CHECK_RESULT_MAX_FSV (LTE Downlink IQ Offset Limit Check Result Maximum FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_QUADRATURE_ERROR_LIMIT_CHECK_RESULT_ AVERAGE_FSV (LTE Downlink IQ Quadrature Error Limit Check Result Average FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_QUADRATURE_ERROR_LIMIT_CHECK_RESULT_ MAX_FSV (LTE Downlink IQ Quadrature Error Limit Check Result Maximum FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_SAMPLING_ERROR_LIMIT_CHECK_RESULT_AVERA GE_FSV (LTE Downlink Sampling Error Limit Check Result Average FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_SAMPLING_ERROR_LIMIT_CHECK_RESULT_MAX_F SV (LTE Downlink Sampling Error Limit Check Result Maximum FSV)
- RSSPECAN_ATTR_LTE_DOWNLINK_MARKER_Z_AXIS (LTE Downlink Marker Z-Axis)
- RSSPECAN_ATTR_LTE_UPLINK_NUMBER_OF_RESOURCE_BLOCKS_FSV (LTE Uplink Number of Resource Blocks FSV)
- RSSPECAN_ATTR_LTE_UPLINK_FRAME_NUMBER_OFFSET_FSV (LTE Uplink Frame Number Offset FSV)
- RSSPECAN_ATTR_LTE_UPLINK_UE_RADIO_NETWORK_TEMPORARY_IDENTIFIER_FSV (LTE Uplink UE Radio Network Temporary Identifier FSV)
- RSSPECAN_ATTR_LTE_UPLINK_DRS_CELL_ID (LTE Uplink DRS Cell ID)
- RSSPECAN_ATTR_LTE_UPLINK_DRS_CELL_ID_VALUE (LTE Uplink DRS Cell ID Value)
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_PRESENT_FSV (LTE Uplink Sounding Reference Signal Present FSV)
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_SUBFRAME_CONFIG URATION_FSV (LTE Uplink Sounding Reference Signal Subframe Configuration FSV)
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_MAXUPPTS_FSV (LTE Uplink Sounding Reference Signal MaxUpPts FSV)

- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_BANDWIDTH_B_SRS _FSV (LTE Uplink Sounding Reference Signal Bandwidth B_SRS FSV)
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_HOPPING_BW_FSV (LTE Uplink Sounding Reference Signal Hopping BW FSV)
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_CYCLIC_SHIFT_N_CS _FSV (LTE Uplink Sounding Reference Signal Cyclic Shift N CS FSV)
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_POWER_FSV (LTE Uplink Sounding Reference Signal Power FSV)
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_BANDWIDTH_CONFI GURATION_C_SRS_FSV (LTE Uplink Sounding Reference Signal Bandwidth Configuration C_SRS FSV)
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_CONFIGURATION_IN DEX_FSV (LTE Uplink Sounding Reference Signal Configuration Index FSV)
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_TRANSMISSION_CO MB_FSV (LTE Uplink Sounding Reference Signal Transmission Comb FSV)
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_N_RRC_FSV (LTE Uplink Sounding Reference Signal N-RRC FSV)
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_AN_TX_FSV (LTE Uplink Sounding Reference Signal AN TX FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_RESOURCE_BLOCKS_FSV (LTE Uplink PUCCH Resource Blocks FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_RESOURCE_BLOCKS_AUTO_FSV (LTE Uplink PUCCH Resource Blocks Auto FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_CYCLIC_SHIFTS_FSV (LTE Uplink PUCCH Cyclic Shifts FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_DELTA_SHIFT_FSV (LTE Uplink PUCCH Delta Shift FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_FORMAT_FSV (LTE Uplink PUCCH Format FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_BANDWIDTH_FSV (LTE Uplink PUCCH Bandwidth FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_RESOURCE_INDEX_FSV (LTE Uplink PUCCH Resource Index FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_CELL_ID (LTE Uplink PUCCH Cell ID)
- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_CELL_ID_VALUE (LTE Uplink PUCCH Cell ID Value)
- RSSPECAN_ATTR_LTE_UPLINK_PRACH_CONFIGURATION_FSV (LTE Uplink PRACH Configuration FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PRACH_RESTRICTED_SET_FSV (LTE Uplink PRACH Restricted Set FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PRACH_FREQUENCY_OFFSET_FSV (LTE Uplink PRACH Frequency Offset FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PRACH_NCS_CONFIGURATION_FSV (LTE Uplink PRACH Ncs Configuration FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PRACH_LOGICAL_ROOT_SEQ_INDEX_FSV (LTE Uplink PRACH Logical Root Seq Index FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PRACH_SEQUENCE_INDEX_FSV (LTE Uplink PRACH Sequence Index FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PRACH_SEQUENCE_INDEX_VALUE_FSV (LTE Uplink PRACH Sequence Index Value FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PRACH_AUTOMATIC_PREAMBLE_MAPPING_FSV (LTE Uplink PRACH Automatic Preamble Mapping FSV)
- RSSPECAN_ATTR_LTE_UPLINK_PRACH_FREQUENCY_INDEX_FSV (LTE Uplink PRACH Frequency Index FSV)

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_HALF_FRAME_INDICATOR_FSV (LTE Uplink PRACH Half Frame Indicator FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_LOCAL_OSCILLATOR_LOCATION (LTE Uplink Local Oscillator Location)
 - RSSPECAN_ATTR_LTE_UPLINK_MEASUREMENT_SIGNAL_DETECTION (LTE Uplink Measurement Signal Detection)
 - RSSPECAN_ATTR_LTE_UPLINK_PREAMBLE_SELECTION_FSV (LTE Uplink Preamble Selection FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_PREAMBLE_SELECTION_ALL_FSV (LTE Uplink Preamble Selection All FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_ALLOCATION_FSV (LTE Uplink Constellation Allocation FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_ALLOCATION_ALL_FSV (LTE Uplink Constellation Allocation All FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_CARRIER_FSV (LTE Uplink Constellation Carrier FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_CARRIER_ALL_FSV (LTE Uplink Constellation Carrier All FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_QPSK_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM DMRS PUSCH QPSK Limit Check Result FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_64QAM_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM DMRS PUSCH 64QAM Limit Check Result FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_16QAM_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM DMRS PUSCH 16QAM Limit Check Result FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUCCH_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM DMRS PUCCH Limit Check Result FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_EVM_PUCCH_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM PUCCH Limit Check Result FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_EVM_PRACH_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM PRACH Limit Check Result FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_QPSK_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM PUSCH QPSK Limit Check Result FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_64QAM_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM PUSCH 64QAM Limit Check Result FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_16QAM_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM PUSCH 16QAM Limit Check Result FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_EVM_AL_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Uplink EVM AI Limit Check Result Average FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_EVM_AL_LIMIT_CHECK_RESULT_MAX_FSV (LTE Uplink EVM AI Limit Check Result Maximum FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_EVM_PHYSICAL_CHANNEL_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Uplink EVM Physical Channel Limit Check Result Average FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_EVM_PHYSICAL_CHANNEL_LIMIT_CHECK_RESULT_MAX_FSV (LTE Uplink EVM Physical Channel Limit Check Result Maximum FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_EVM_PHYSICAL_SIGNAL_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Uplink EVM Physical Signal Limit Check Result Average FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_EVM_PHYSICAL_SIGNAL_LIMIT_CHECK_RESULT_MAX_FSV (LTE Uplink EVM Physical Signal Limit Check Result Maximum FSV)
 - RSSPECAN_ATTR_LTE_UPLINK_FREQUENCY_ERROR_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Uplink Frequency Error Limit Check Result Average FSV)

- RSSPECAN_ATTR_LTE_UPLINK_FREQUENCY_ERROR_LIMIT_CHECK_RESULT_MAX_FS V (LTE Uplink Frequency Error Limit Check Result Maximum FSV)
- RSSPECAN_ATTR_LTE_UPLINK_IQ_GAIN_IMBALANCE_LIMIT_CHECK_RESULT_AVERAG E_FSV (LTE Uplink IQ Gain Imbalance Limit Check Result Average FSV)
- RSSPECAN_ATTR_LTE_UPLINK_IQ_GAIN_IMBALANCE_LIMIT_CHECK_RESULT_MAX_FSV (LTE Uplink IQ Gain Imbalance Limit Check Result Maximum FSV)
- RSSPECAN_ATTR_LTE_UPLINK_IQ_OFFSET_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Uplink IQ Offset Limit Check Result Average FSV)
- RSSPECAN_ATTR_LTE_UPLINK_IQ_OFFSET_LIMIT_CHECK_RESULT_MAX_FSV (LTE Uplink IQ Offset Limit Check Result Maximum FSV)
- RSSPECAN_ATTR_LTE_UPLINK_IQ_QUADRATURE_ERROR_LIMIT_CHECK_RESULT_AVE RAGE_FSV (LTE Uplink IQ Quadrature Error Limit Check Result Average FSV)
- RSSPECAN_ATTR_LTE_UPLINK_IQ_QUADRATURE_ERROR_LIMIT_CHECK_RESULT_MAX _FSV (LTE Uplink IQ Quadrature Error Limit Check Result Maximum FSV)
- RSSPECAN_ATTR_LTE_UPLINK_SAMPLING_ERROR_LIMIT_CHECK_RESULT_AVERAGE_ FSV (LTE Uplink Sampling Error Limit Check Result Average FSV)
- RSSPECAN_ATTR_LTE_UPLINK_SAMPLING_ERROR_LIMIT_CHECK_RESULT_MAX_FSV (LTE Uplink Sampling Error Limit Check Result Maximum FSV)
- RSSPECAN_ATTR_LTE_UPLINK_MARKER_Z_AXIS (LTE Uplink Marker Z-Axis)
- RSSPECAN_ATTR_NOISE_LOCAL_OSCILLATOR_MODE (Noise Local Oscillator Mode)
- RSSPECAN_ATTR_NOISE_LOCAL_OSCILLATOR_FREQUENCY (Noise Local Oscillator Frequency)
- RSSPECAN_ATTR_SOURCE_DUT_BYPASS (Source DUT Bypass)
- RSSPECAN_ATTR_SOURCE_PULSE_MODULATION (Source Pulse Modulation)
- RSSPECAN_ATTR_SOURCE_PULSE_PERIOD (Source Pulse Period)
- RSSPECAN_ATTR_SOURCE_PULSE_WIDTH (Source Pulse Width)
- RSSPECAN_ATTR_SOURCE_PULSE_TRIGGER_OUTPUT (Source Pulse Trigger Output)
- RSSPECAN_ATTR_PHASE_PULSE_EXTERNAL_GATE_TYPE (Phase Pulse External Gate Type)
- RSSPECAN_ATTR_PHASE_SIGNAL_CAPTURE_RANGE (Phase Signal Capture Range)
- RSSPECAN_ATTR_PHASE_Y_AXIS_UNIT (Phase Y Axis Unit)
- RSSPECAN_ATTR_WLAN_SPECTRUM_FLATNESS_UNIT (WLAN Spectrum Flatness Unit)
- RSSPECAN_ATTR_WIGIG_FETCH_BER_PPDU_HEADER_MIN (WIGIG Fetch BER PPDU Header Minimum)
- RSSPECAN_ATTR_WIGIG_FETCH_BER_PPDU_HEADER_AVERAGE (WIGIG Fetch BER PPDU Header Average)
- RSSPECAN_ATTR_WIGIG_FETCH_BER_PPDU_HEADER_MAX (WIGIG Fetch BER PPDU Header Maximum)
- RSSPECAN_ATTR_WIGIG_FETCH_BER_PPDU_PAYLOAD_MIN (WIGIG Fetch BER PPDU Payload Minimum)
- RSSPECAN_ATTR_WIGIG_FETCH_BER_PPDU_PAYLOAD_AVERAGE (WIGIG Fetch BER PPDU Payload Average)
- RSSPECAN_ATTR_WIGIG_FETCH_BER_PPDU_PAYLOAD_MAX (WIGIG Fetch BER PPDU Payload Maximum)
- RSSPECAN_ATTR_TRANSIENT_TRACE_EVALUATION (Transient Trace Evaluation)
- RSSPECAN_ATTR_DOCSIS_OFDM_US_SPECTRUM_LOCATION (DOCSIS OFDM US Spectrum Location)
- RSSPECAN_ATTR_DOCSIS_NEXT_CODEWORD_POINTER_NUMBER_OF_ENTRIES (DOCSIS Next Codeword Pointer Number Of Entries)
- RSSPECAN_ATTR_DOCSIS_NEXT_CODEWORD_POINTER_MODULATION (DOCSIS Next Codeword Pointer Modulation)
- RSSPECAN_ATTR_DOCSIS_NEXT_CODEWORD_POINTER_START (DOCSIS Next Codeword Pointer Start)

- RSSPECAN_ATTR_DOCSIS_NEXT_CODEWORD_POINTER_STOP (DOCSIS Next Codeword Pointer Stop)
- RSSPECAN_ATTR_DOCSIS_NEXT_CODEWORD_POINTER_INCREMENT (DOCSIS Next Codeword Pointer Increment)
- RSSPECAN_ATTR_DOCSIS_LIMIT_CHECK_STATE (DOCSIS Limit Check State)
- RSSPECAN_ATTR_DOCSIS_EVALUATION_RANGE_SYMBOL_SIZE (DOCSIS Evaluation Range Symbol Size)
- RSSPECAN_ATTR_DOCSIS_AUTO_DETECT (DOCSIS Auto Detect)
- RSSPECAN_ATTR_DOCSIS_RESULT_SUMMARY_UNIT (DOCSIS Result Summary Unit)
- RSSPECAN_ATTR_DOCSIS_FETCH_CONTINUOUS_PILOTS_AVERAGE (DOCSIS Fetch Continuous Pilots Average)
- RSSPECAN_ATTR_DOCSIS_FETCH_CONTINUOUS_PILOTS_MAXIMUM (DOCSIS Fetch Continuous Pilots Maximum)
- RSSPECAN_ATTR_DOCSIS_FETCH_CONTINUOUS_PILOTS_MINIMUM (DOCSIS Fetch Continuous Pilots Minimum)
- RSSPECAN_ATTR_DOCSIS_FETCH_DATA_AVERAGE (DOCSIS Fetch Data Average)
- RSSPECAN_ATTR_DOCSIS_FETCH_DATA_MAXIMUM (DOCSIS Fetch Data Maximum)
- RSSPECAN_ATTR_DOCSIS_FETCH_DATA_MINIMUM (DOCSIS Fetch Data Minimum)
- RSSPECAN_ATTR_DOCSIS_FETCH_POWER_PILOTS_AVERAGE (DOCSIS Fetch Power Pilots Average)
- RSSPECAN_ATTR_DOCSIS_FETCH_POWER_PILOTS_MAXIMUM (DOCSIS Fetch Power Pilots Maximum)
- RSSPECAN_ATTR_DOCSIS_FETCH_POWER_PILOTS_MINIMUM (DOCSIS Fetch Power Pilots Minimum)
- RSSPECAN_ATTR_DOCSIS_FETCH_SCATTERED_PILOTS_AVERAGE (DOCSIS Fetch Scattered Pilots Average)
- RSSPECAN_ATTR_DOCSIS_FETCH_SCATTERED_PILOTS_MAXIMUM (DOCSIS Fetch Scattered Pilots Maximum)
- RSSPECAN_ATTR_DOCSIS_FETCH_SCATTERED_PILOTS_MINIMUM (DOCSIS Fetch Scattered Pilots Minimum)
- RSSPECAN_ATTR_DOCSIS_FETCH_PHYSICAL_LINK_CHANNEL_AVERAGE (DOCSIS Fetch Physical Link Channel Average)
- RSSPECAN_ATTR_DOCSIS_FETCH_PHYSICAL_LINK_CHANNEL_MAXIMUM (DOCSIS Fetch Physical Link Channel Maximum)
- RSSPECAN_ATTR_DOCSIS_FETCH_PHYSICAL_LINK_CHANNEL_MINIMUM (DOCSIS Fetch Physical Link Channel Minimum)
- RSSPECAN_ATTR_AVIONICS_MODE (Avionics Mode)
- RSSPECAN_ATTR_AVIONICS_MEASUREMENT_TYPE (Avionics Measurement Type)
- RSSPECAN_ATTR_AVIONICS_FUNDAMENTAL_FREQUENCY_IDENTITY (Avionics Fundamental Frequency Identity)
- RSSPECAN_ATTR_AVIONICS_TOTAL_HARMONIC_DISTORTION_FREQUENCY (Avionics Total Harmonic Distortion Frequency)
- RSSPECAN_ATTR_AVIONICS_HARMONIC_DISTORTION_STATE (Avionics Harmonic Distortion State)
- RSSPECAN_ATTR_AVIONICS_HARMONIC_FREQUENCY (Avionics Harmonic Frequency)
- RSSPECAN_ATTR_AVIONICS_BANDWIDTH_AUTO (Avionics Bandwidth Auto)
- RSSPECAN_ATTR_AVIONICS_DEMODULATION_BANDWIDTH (Avionics Demodulation Bandwidth)
- RSSPECAN_ATTR_AVIONICS_RESOLUTION_BANDWIDTH_STATE (Avionics Resolution Bandwidth State)
- RSSPECAN_ATTR_AVIONICS_RESOLUTION_BANDWIDTH (Avionics Resolution Bandwidth)
- RSSPECAN_ATTR_AVIONICS_AF_START_FREQUENCY (Avionics AF Start Frequency)
- RSSPECAN_ATTR_AVIONICS_AF_STOP_FREQUENCY (Avionics AF Stop Frequency)
- RSSPECAN_ATTR_AVIONICS_AF_CENTER_FREQUENCY (Avionics AF Center Frequency)
- RSSPECAN_ATTR_AVIONICS_AF_SPAN (Avionics AF Span)
- RSSPECAN_ATTR_AVIONICS_AF_FULL_SPAN (Avionics AF Full Span)
- RSSPECAN_ATTR_AVIONICS_ILS_DDM_UNIT (Avionics ILS DDM Unit)
- RSSPECAN_ATTR_AVIONICS_VOR_DIRECTION (Avionics VOR Direction)
- RSSPECAN_ATTR_AVIONICS_MORSE_CODE (Avionics Morse Code)

- RSSPECAN_ATTR_AVIONICS_RF_LEVEL_RESULTS (Avionics RF Level Results)
- RSSPECAN_ATTR_AVIONICS_DIFFERENCE_IN_DEPTH_OF_MODULATION (Avionics Difference In Depth of Modulation)
- RSSPECAN_ATTR_AVIONICS_CARRIER_OFFSET_RESULTS (Avionics Carrier Offset Results)
- RSSPECAN_ATTR_AVIONICS_VOR_FM_DEVIATION (Avionics VOR FM Deviation)
- RSSPECAN_ATTR_AVIONICS_VOR_FM_FREQUENCY (Avionics VOR FM Frequency)
- RSSPECAN_ATTR_AVIONICS_PHASE_RESULTS (Avionics Phase Results)
- RSSPECAN_ATTR_AVIONICS_RF_FREQUENCY_SIGNAL (Avionics RF Frequency Signal)
- RSSPECAN_ATTR_AVIONICS_ILS_SDM (Avionics ILS SDM)
- RSSPECAN_ATTR_AVIONICS_HARMONIC_DISTORTION_RESULT (Avionics Harmonic Distortion Result)

* Deleted attributes:
- RSSPECAN_ATTR_LTE_UPLINK_COMPENSATE_DC_OFFSET (LTE Uplink Compensate DC Offset)

* Modified attributes:
- RSSPECAN_ATTR_MARKER_ENABLED (Marker State) - Added window RepCap.
- RSSPECAN_ATTR_MARKER_TRACE (Assign Marker to Trace) - Added window RepCap.
- RSSPECAN_ATTR_MARKER_AOFF (All Markers Off) - Added window RepCap.
- RSSPECAN_ATTR_MARKER_SEARCH_MIN_RIGHT (Marker Search Right Minimum) - Added window RepCap.
- RSSPECAN_ATTR_MARKER_SEARCH_MIN_LEFT (Marker Search Left Minimum) - Added window RepCap.
- RSSPECAN_ATTR_MARKER_SEARCH_PEAK (Marker Search Peak Maximum) - Added window RepCap.
- RSSPECAN_ATTR_MARKER_SEARCH_PEAK_NEXT (Marker Search Peak Next Maximum) - Added window RepCap.
- RSSPECAN_ATTR_MARKER_SEARCH_PEAK_RIGHT (Marker Search Peak Right Maximum) - Added window RepCap.
- RSSPECAN_ATTR_MARKER_SEARCH_PEAK_LEFT (Marker Search Peak Left Maximum) - Added window RepCap.
- RSSPECAN_ATTR_MARKER_SEARCH_MIN (Marker Search Peak Minimum) - Added window RepCap.
- RSSPECAN_ATTR_MARKER_SEARCH_MIN_NEXT (Marker Search Next Minimum) - Added window RepCap.
- RSSPECAN_ATTR_MARKER_ZOOM (Marker Zoom) - Added window RepCap.
- RSSPECAN_ATTR_MARKER_TO_CENTER (Marker To Center) - Added window RepCap.
- RSSPECAN_ATTR_MARKER_TO_STEP (Marker To Step Width) - Added window RepCap.
- RSSPECAN_ATTR_MARKER_TO_REFERENCE (Marker To Reference) - Added window RepCap.
- RSSPECAN_ATTR_MARKER_LINK_TO_MARKER (Marker Link To Another Marker) - Added window RepCap.
- RSSPECAN_ATTR_EXTERNAL_GATE_TRIGGER_TYPE (External Gate Mode) - The range table rsspecan_rngExtGateTrigType was updated.
- RSSPECAN_ATTR_SERVICE_INPUT_SOURCE (Service Input Source) - Added Second Synthetiser value.
- RSSPECAN_ATTR_B2000_STATE (B2000 State) - Updated short command.
- RSSPECAN_ATTR_DIGITAL_BASEBAND_INPUT_TRIGGER_LEVEL (Digital Baseband Input Trigger Level) - Deleted range table.
- RSSPECAN_ATTR_3GBS_LOAD_DEFAULT_CARRIER_TABLE (Load Default Carrier Table) - FSV support instrument added
- RSSPECAN_ATTR_3GBS_NEW_CARRIER_TABLE (New Carrier Table) - FSV support instrument added
- RSSPECAN_ATTR_3GBS_SAVE_CARRIER_TABLE (Save Carrier Table) - FSV support instrument added
- RSSPECAN_ATTR_3GBS_DELETE_CARRIER_TABLE (Delete Carrier Table) - FSV support instrument added

- RSSPECAN_ATTR_3GBS_CARRIER_TABLE_CATALOG (Carrier Table Catalog) - FSV support instrument added
- RSSPECAN_ATTR_3GBS_NUMBER_OF_CARRIERS (Number of Carriers) - FSV support instrument added
- RSSPECAN_ATTR_3GBS_INSERT_NEW_CARRIER (Insert New Carrier) - FSV support instrument added
- RSSPECAN_ATTR_3GBS_DELETE_CARRIER (Delete Carrier) - FSV support instrument added
- RSSPECAN_ATTR_3GBS_DELETE_ALL_CARRIERS (Delete All Carriers) - FSV support instrument added
- RSSPECAN_ATTR_3GBS_CARRIER_FREQUENCY_OFFSET (Carrier Frequency Offset) - FSV support instrument added
- RSSPECAN_ATTR_3GBS_CARRIER_SCRAMBLING_CODE (Carrier Scrambling Code) - FSV support instrument added
- RSSPECAN_ATTR_3GBS_CARRIER_CPICH (Carrier CPICH) - FSV support instrument added
- RSSPECAN_ATTR_3GBS_CARRIER_PATTERN (Carrier Pattern) - FSV support instrument added
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_CONFIGURABLE_SUBFRAMES_FSV (LTE Downlink PDSCH Configurable Subframes FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_CONFIGURABLE_SUBFRAMES (LTE Downlink PDSCH Configurable Subframes) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_USED_ALLOCATIONS_FSV (LTE Downlink PDSCH Used Allocations FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_USED_ALLOCATIONS (LTE Downlink PDSCH Used Allocations) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_ID_FSV (LTE Downlink PDSCH Allocation ID FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_VRB_GAP_FSV (LTE Downlink PDSCH Allocation VRB Gap FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_POWER_FSV (LTE Downlink PDSCH Allocation Power FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_START_OFFSET_FSV (LTE Downlink PDSCH Allocation Start Offset FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_RESOURCE_BLOCKS_FSV (LTE Downlink PDSCH Allocation Resource Blocks FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_RESOURCE_BLOCKS_OFFSET_FSV (LTE Downlink PDSCH Allocation Resource Blocks Offset FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_MODULATION_FSV (LTE Downlink PDSCH Allocation Modulation FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_PRECODING_FSV (LTE Downlink PDSCH Allocation Precoding FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_CODEWORD_TO_LAYER_MAPPING_FSV (LTE Downlink PDSCH Allocation Codeword To Layer Mapping FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_SCRAMBLING_IDENTITY_FSV (LTE Downlink PDSCH Allocation Scrambling Identity FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_SINGLE_LAYER_ANTENNA_PORT_FSV (LTE Downlink PDSCH Allocation Single Layer Antenna Port FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_CODEBOOK_INDEX_FSV (LTE Downlink PDSCH Allocation Codebook Index FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_CYCLIC_DELAY_DIVERSITY_FSV (LTE Downlink PDSCH Allocation Cyclic Delay Diversity FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_ID (LTE Downlink PDSCH Allocation ID) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_VRB_GAP (LTE Downlink PDSCH Allocation VRB Gap) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_POWER (LTE Downlink PDSCH Allocation Power) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_START_OFFSET (LTE Downlink PDSCH Allocation Start Offset) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_RESOURCE_BLOCKS (LTE Downlink PDSCH Allocation Resource Blocks) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_RESOURCE_BLOCKS_OFFSET (LTE Downlink PDSCH Allocation Resource Blocks Offset) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_MODULATION (LTE Downlink PDSCH Allocation Modulation) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_PRECODING (LTE Downlink PDSCH Allocation Precoding) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_CODEWORD_TO_LAYER_MAPPING (LTE Downlink PDSCH Allocation Codeword To Layer Mapping) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_SCRAMBLING_IDENTITY (LTE Downlink PDSCH Allocation Scrambling Identity) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_SINGLE_LAYER_ANTENNA_PORT (LTE Downlink PDSCH Allocation Single Layer Antenna Port) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_CODEBOOK_INDEX (LTE Downlink PDSCH Allocation Codebook Index) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_ALLOCATION_CYCLIC_DELAY_DIVERSITY (LTE Downlink PDSCH Allocation Cyclic Delay Diversity) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_ENABLED_FSV (LTE Downlink Positioning Reference Signal Enabled FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_BANDWIDTH_FSV (LTE Downlink Positioning Reference Signal Bandwidth FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_CONFIGURATION_INDEX_FSV (LTE Downlink Positioning Reference Signal Configuration Index FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_SUBFRAMES_F SV (LTE Downlink Positioning Reference Signal Subframes FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_RELATIVE_PO WER_FSV (LTE Downlink Positioning Reference Signal Relative Power FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_FRAME_NUMB ER_OFFSET_FSV (LTE Downlink Positioning Reference Signal Frame Number Offset FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_ENABLED (LTE Downlink Positioning Reference Signal Enabled) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_BANDWIDTH (LTE Downlink Positioning Reference Signal Bandwidth) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_CONFIGURATI ON_INDEX (LTE Downlink Positioning Reference Signal Configuration Index) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_SUBFRAMES (LTE Downlink Positioning Reference Signal Subframes) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_RELATIVE_PO WER (LTE Downlink Positioning Reference Signal Relative Power) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_POSITIONING_REFERENCE_SIGNAL_FRAME_NUMB ER_OFFSET (LTE Downlink Positioning Reference Signal Frame Number Offset) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_STATE_FSV (LTE Downlink CSI RS State FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_ANTENNA_PORTS_FSV (LTE Downlink CSI RS Antenna Ports FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_CONFIGURATION_INDEX_FSV (LTE Downlink CSI RS Configuration Index FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_OVERWRITE_PDSCH_FSV (LTE Downlink CSI RS Overwrite PDSCH FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_RELATIVE_POWER_FSV (LTE Downlink CSI RS Relative Power FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_SUBFRAME_CONFIGURATION_FSV (LTE Downlink CSI RS Subframe Configuration FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_FRAME_NUMBER_OFFSET_FSV (LTE Downlink CSI RS Frame Number Offset FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_STATE (LTE Downlink CSI RS State) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_ANTENNA_PORTS (LTE Downlink CSI RS Antenna Ports) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_CONFIGURATION_INDEX (LTE Downlink CSI RS Configuration Index) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_OVERWRITE_PDSCH (LTE Downlink CSI RS Overwrite PDSCH) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_RELATIVE_POWER (LTE Downlink CSI RS Relative Power) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_SUBFRAME_CONFIGURATION (LTE Downlink CSI RS Subframe Configuration) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_PRB_SYMBOL_OFFSET (LTE Downlink Symbol Offset) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_CSI_RS_FRAME_NUMBER_OFFSET (LTE Downlink CSI RS Frame Number Offset) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_PRB_SYMBOL_OFFSET_FSV (LTE Downlink Symbol Offset FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_PBCH_STATE_FSV (LTE Downlink PBCH State FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_PBCH_RELATIVE_POWER_FSV (LTE Downlink PBCH Relative Power FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_PBCH_STATE (LTE Downlink PBCH State) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_PBCH_RELATIVE_POWER (LTE Downlink PBCH Relative Power) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_PCFICH_STATE_FSV (LTE Downlink PCFICH State FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_PCFICH_RELATIVE_POWER_FSV (LTE Downlink PCFICH Relative Power FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_PCFICH_STATE (LTE Downlink PCFICH State) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_PCFICH_RELATIVE_POWER (LTE Downlink PCFICH Relative Power) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_PHICH_DURATION_FSV (LTE Downlink PHICH Duration FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_PHICH_NUMBER_OF_GROUPS_FSV (LTE Downlink PHICH Number Of Groups FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_PHICH_ENHANCED_TEST_MODELS_FSV (LTE Downlink PHICH Enhanced Test Models FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_PHICH_NG_PARAMETER_FSV (LTE Downlink PHICH Ng Parameter FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_PHICH_RELATIVE_POWER_FSV (LTE Downlink PHICH Relative Power FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_PHICH_DURATION (LTE Downlink PHICH Duration) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_PHICH_NUMBER_OF_GROUPS (LTE Downlink PHICH Number Of Groups) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_PHICH_ENHANCED_TEST_MODELS (LTE Downlink PHICH Enhanced Test Models) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_PHICH_NG_PARAMETER (LTE Downlink PHICH Ng Parameter) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_PHICH_RELATIVE_POWER (LTE Downlink PHICH Relative Power) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_PDCCH_FORMAT_FSV (LTE Downlink PDCCH Format FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_PDCCH_NUMBER_OF_PDCCHS_FSV (LTE Downlink PDCCH Number of PDCCHs FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_PDCCH_RELATIVE_POWER_FSV (LTE Downlink PDCCH Relative Power FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_POWER_RATIO_FSV (LTE Downlink PDSCH Power Ratio FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_PDCCH_FORMAT (LTE Downlink PDCCH Format) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_PDCCH_NUMBER_OF_PDCCHS (LTE Downlink PDCCH Number of PDCCHs) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_PDCCH_RELATIVE_POWER (LTE Downlink PDCCH Relative Power) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_PDSCH_POWER_RATIO (LTE Downlink PDSCH Power Ratio) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_PRB_PAIRS_FSV (LTE Downlink EPDCCH PRB Pairs FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_LOCALIZED_FSV (LTE Downlink EPDCCH Localized FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_RELATIVE_POWER_FSV (LTE Downlink EPDCCH Relative Power FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_RB_ASSIGNMENT_FSV (LTE Downlink EPDCCH RB Assignment FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_SET_ID_FSV (LTE Downlink EPDCCH Set ID FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_PRB_PAIRS (LTE Downlink EPDCCH PRB Pairs) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_LOCALIZED (LTE Downlink EPDCCH Localized) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_RELATIVE_POWER (LTE Downlink EPDCCH Relative Power) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_RB_ASSIGNMENT (LTE Downlink EPDCCH RB Assignment) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_SET_ID (LTE Downlink EPDCCH Set ID) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_ENABLED_FSV (LTE Downlink MBSFN State FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_RELATIVE_POWER_FSV (LTE Downlink MBSFN Relative Power FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_AREA_ID_FSV (LTE Downlink MBSFN Area ID FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_NON_MBSF_REGION_LENGTH_FSV (LTE Downlink MBSFN Non MBSF Region Length FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_ENABLED (LTE Downlink MBSFN State) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_RELATIVE_POWER (LTE Downlink MBSFN Relative Power) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_AREA_ID (LTE Downlink MBSFN Area ID) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_NON_MBSF_REGION_LENGTH (LTE Downlink MBSFN Non MBSF Region Length) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_SUBFRAME_ENABLED_FSV (LTE Downlink MBSFN Subframe State FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_SUBFRAME_PMCH_ENABLED_FSV (LTE Downlink MBSFN Subframe PMCH State FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_SUBFRAME_PMCH_MODULATION_FSV (LTE Downlink MBSFN Subframe PMCH Modulation FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_SUBFRAME_ENABLED (LTE Downlink MBSFN Subframe State) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_SUBFRAME_PMCH_ENABLED (LTE Downlink MBSFN Subframe PMCH State) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_SUBFRAME_PMCH_MODULATION (LTE Downlink MBSFN Subframe PMCH Modulation) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_ON_OFF_UNIT (LTE Downlink On Off Unit) - Added FSV as supported instrument

- RSSPECAN_ATTR_LTE_DOWNLINK_HOME_AREA_BASESTATION_POWER_AUTO (LTE Downlink Home Area Basestation Power Auto) - Added FSV as supported instrument

- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_ALLOCATION_FSV (LTE Downlink Constellation Allocation FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_ALLOCATION_ALL_FSV (LTE Downlink Constellation Allocation All FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_CARRIER_FSV (LTE Downlink Constellation Carrier FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_CARRIER_ALL_FSV (LTE Downlink Constellation Carrier All FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_CODEWORD_FSV (LTE Downlink Constellation Codeword FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_CODEWORD_ALL_FSV (LTE Downlink Constellation Codeword All FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_BEAMFORMING_ANTENNA_PORT_FSV (LTE Downlink Beamforming Antenna Port FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_SUBFRAME_SELECTION (LTE Downlink Subframe Selection) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_SUBFRAME_SELECTION_ALL (LTE Downlink Subframe Selection All) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_MODULATION (LTE Downlink Constellation Modulation) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_MODULATION_ALL (LTE Downlink Constellation Modulation All) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_ALLOCATION (LTE Downlink Constellation Allocation) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_ALLOCATION_ALL (LTE Downlink Constellation Allocation All) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_SYMBOL (LTE Downlink Constellation Symbol) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_SYMBOL_ALL (LTE Downlink Constellation Symbol All) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_CARRIER (LTE Downlink Constellation Carrier) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_CARRIER_ALL (LTE Downlink Constellation Carrier All) - Short command updated.
  - RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_CODEWORD (LTE Downlink Constellation Codeword) - Short command updated.
  - RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_CODEWORD_ALL (LTE Downlink Constellation Codeword All) - Short command updated.
  - RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_LOCATION (LTE Downlink Constellation Location) - Short command updated.
  - RSSPECAN_ATTR_LTE_DOWNLINK_BEAMFORMING_ANTENNA_PORT (LTE Downlink Beamforming Antenna Port) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_QPSK_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Downlink EVM PDSCH QPSK Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_QPSK_LIMIT_CHECK_RESULT_MAX_FSV (LTE Downlink EVM PDSCH QPSK Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_QPSK_LIMIT_CHECK_RESULT_AVERAGE (LTE Downlink EVM PDSCH QPSK Limit Check Result Average) - Short command updated.
  - RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_QPSK_LIMIT_CHECK_RESULT_MAX (LTE Downlink EVM PDSCH QPSK Limit Check Result Maximum) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_16QAM_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Downlink EVM PDSCH 16QAM Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_16QAM_LIMIT_CHECK_RESULT_MAX_FSV (LTE Downlink EVM PDSCH 16QAM Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_16QAM_LIMIT_CHECK_RESULT_AVERAGE (LTE Downlink EVM PDSCH 16QAM Limit Check Result Average) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_16QAM_LIMIT_CHECK_RESULT_MAX (LTE Downlink EVM PDSCH 16QAM Limit Check Result Maximum) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_64QAM_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Downlink EVM PDSCH 64QAM Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_64QAM_LIMIT_CHECK_RESULT_MAX_FSV (LTE Downlink EVM PDSCH 64QAM Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_64QAM_LIMIT_CHECK_RESULT_AVERAGE (LTE Downlink EVM PDSCH 64QAM Limit Check Result Average) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PDSCH_64QAM_LIMIT_CHECK_RESULT_MAX (LTE Downlink EVM PDSCH 64QAM Limit Check Result Maximum) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PHYSICAL_CHANNEL_LIMIT_CHECK_RESULT_ AVERAGE_FSV (LTE Downlink EVM Physical Channel Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PHYSICAL_CHANNEL_LIMIT_CHECK_RESULT_ MAX_FSV (LTE Downlink EVM Physical Channel Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PHYSICAL_CHANNEL_LIMIT_CHECK_RESULT_ AVERAGE (LTE Downlink EVM Physical Channel Limit Check Result Average) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PHYSICAL_CHANNEL_LIMIT_CHECK_RESULT_ MAX (LTE Downlink EVM Physical Channel Limit Check Result Maximum) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PHYSICAL_SIGNAL_LIMIT_CHECK_RESULT_AV ERAGE_FSV (LTE Downlink EVM Physical Signal Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PHYSICAL_SIGNAL_LIMIT_CHECK_RESULT_M AX_FSV (LTE Downlink EVM Physical Signal Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PHYSICAL_SIGNAL_LIMIT_CHECK_RESULT_AV ERAGE (LTE Downlink EVM Physical Signal Limit Check Result Average) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_EVM_PHYSICAL_SIGNAL_LIMIT_CHECK_RESULT_M AX (LTE Downlink EVM Physical Signal Limit Check Result Maximum) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_FREQUENCY_ERROR_LIMIT_CHECK_RESULT_AVER AGE_FSV (LTE Downlink Frequency Error Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_FREQUENCY_ERROR_LIMIT_CHECK_RESULT_MAX_ FSV (LTE Downlink Frequency Error Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_DOWNLINK_FREQUENCY_ERROR_LIMIT_CHECK_RESULT_AVER AGE (LTE Downlink Frequency Error Limit Check Result Average) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_FREQUENCY_ERROR_LIMIT_CHECK_RESULT_MAX (LTE Downlink Frequency Error Limit Check Result Maximum) - Short command updated.
- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_GAIN_IMBALANCE_LIMIT_CHECK_RESULT_AVER AGE_FSV (LTE Downlink IQ Gain Imbalance Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_GAIN_IMBALANCE_LIMIT_CHECK_RESULT_MAX_FSV (LTE Downlink IQ Gain Imbalance Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_GAIN_IMBALANCE_LIMIT_CHECK_RESULT_AVERAGE (LTE Downlink IQ Gain Imbalance Limit Check Result Average) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_GAIN_IMBALANCE_LIMIT_CHECK_RESULT_MAX (LTE Downlink IQ Gain Imbalance Limit Check Result Maximum) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_OFFSET_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Downlink IQ Offset Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_OFFSET_LIMIT_CHECK_RESULT_MAX_FSV (LTE Downlink IQ Offset Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_OFFSET_LIMIT_CHECK_RESULT_AVERAGE (LTE Downlink IQ Offset Limit Check Result Average) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_OFFSET_LIMIT_CHECK_RESULT_MAX (LTE Downlink IQ Offset Limit Check Result Maximum) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_QUADRATURE_ERROR_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Downlink IQ Quadrature Error Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_QUADRATURE_ERROR_LIMIT_CHECK_RESULT_MAX_FSV (LTE Downlink IQ Quadrature Error Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_QUADRATURE_ERROR_LIMIT_CHECK_RESULT_AVERAGE (LTE Downlink IQ Quadrature Error Limit Check Result Average) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_IQ_QUADRATURE_ERROR_LIMIT_CHECK_RESULT_MAX (LTE Downlink IQ Quadrature Error Limit Check Result Maximum) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_SAMPLING_ERROR_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Downlink Sampling Error Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_SAMPLING_ERROR_LIMIT_CHECK_RESULT_MAX_FSV (LTE Downlink Sampling Error Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_DOWNLINK_SAMPLING_ERROR_LIMIT_CHECK_RESULT_AVERAGE (LTE Downlink Sampling Error Limit Check Result Average) - Short command updated.

- RSSPECAN_ATTR_LTE_DOWNLINK_SAMPLING_ERROR_LIMIT_CHECK_RESULT_MAX (LTE Downlink Sampling Error Limit Check Result Maximum) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_NUMBER_OF_RESOURCE_BLOCKS_FSV (LTE Uplink Number of Resource Blocks FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_NUMBER_OF_RESOURCE_BLOCKS (LTE Uplink Number of Resource Blocks) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_OPERATING_BAND_INDEX (LTE Uplink Operating Band Index) - Short command updated.
- RSSPECAN_ATTR_LTE_UPLINK_EXTREME_CONDITIONS (LTE Uplink Extreme Conditions) - Short command updated.
- RSSPECAN_ATTR_LTE_UPLINK_FRAME_NUMBER_OFFSET_FSV (LTE Uplink Frame Number Offset FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_UE_RADIO_NETWORK_TEMPORARY_IDENTIFIER_FSV (LTE Uplink UE Radio Network Temporary Identifier FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_FRAME_NUMBER_OFFSET (LTE Uplink Frame Number Offset) - Short command updated.
- RSSPECAN_ATTR_LTE_UPLINK_UE_RADIO_NETWORK_TEMPORARY_IDENTIFIER (LTE Uplink UE Radio Network Temporary Identifier) - Short command updated.
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_PRESENT_FSV (LTE Uplink Sounding Reference Signal Present FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_SUBFRAME_CONFIGURATION_FSV (LTE Uplink Sounding Reference Signal Subframe Configuration FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_MAXUPPTS_FSV (LTE Uplink Sounding Reference Signal MaxUpPts FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_BANDWIDTH_B_SRS_FSV (LTE Uplink Sounding Reference Signal Bandwidth B_SRS FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_HOPPING_BW_FSV (LTE Uplink Sounding Reference Signal Hopping BW FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_CYCLIC_SHIFT_N_CS_FSV (LTE Uplink Sounding Reference Signal Cyclic Shift N CS FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_POWER_FSV (LTE Uplink Sounding Reference Signal Power FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_BANDWIDTH_CONFIGURATION_C_SRS_FSV (LTE Uplink Sounding Reference Signal Bandwidth Configuration C_SRS FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_CONFIGURATION_INDEX_FSV (LTE Uplink Sounding Reference Signal Configuration Index FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_TRANSMISSION_COMB_FSV (LTE Uplink Sounding Reference Signal Transmission Comb FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_N_RRC_FSV (LTE Uplink Sounding Reference Signal N-RRC FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_AN_TX_FSV (LTE Uplink Sounding Reference Signal AN TX FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_PRESENT (LTE Uplink Sounding Reference Signal Present) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_SUBFRAME_CONFIG URATION (LTE Uplink Sounding Reference Signal Subframe Configuration) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_MAXUPPTS (LTE Uplink Sounding Reference Signal MaxUpPts) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_BANDWIDTH_B_SRS (LTE Uplink Sounding Reference Signal Bandwidth B_SRS) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_HOPPING_BW (LTE Uplink Sounding Reference Signal Hopping BW) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_CYCLIC_SHIFT_N_CS (LTE Uplink Sounding Reference Signal Cyclic Shift N CS) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_POWER (LTE Uplink Sounding Reference Signal Power) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_BANDWIDTH_CONFI GURATION_C_SRS (LTE Uplink Sounding Reference Signal Bandwidth Configuration C_SRS) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_CONFIGURATION_IN DEX (LTE Uplink Sounding Reference Signal Configuration Index) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_TRANSMISSION_CO MB (LTE Uplink Sounding Reference Signal Transmission Comb) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_AN_TX (LTE Uplink Sounding Reference Signal AN TX) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_SOUNDING_REFERENCE_SIGNAL_N_RRC (LTE Uplink Sounding Reference Signal N-RRC) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_RESOURCE_BLOCKS_FSV (LTE Uplink PUCCH Resource Blocks FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_RESOURCE_BLOCKS_AUTO_FSV (LTE Uplink PUCCH Resource Blocks Auto FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_CYCLIC_SHIFTS_FSV (LTE Uplink PUCCH Cyclic Shifts FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_DELTA_SHIFT_FSV (LTE Uplink PUCCH Delta Shift FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_FORMAT_FSV (LTE Uplink PUCCH Format FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_BANDWIDTH_FSV (LTE Uplink PUCCH Bandwidth FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_RESOURCE_INDEX_FSV (LTE Uplink PUCCH Resource Index FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_RESOURCE_BLOCKS (LTE Uplink PUCCH Resource Blocks) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_RESOURCE_BLOCKS_AUTO (LTE Uplink PUCCH Resource Blocks Auto) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_CYCLIC_SHIFTS (LTE Uplink PUCCH Cyclic Shifts) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_DELTA_SHIFT (LTE Uplink PUCCH Delta Shift) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_FORMAT (LTE Uplink PUCCH Format) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_BANDWIDTH (LTE Uplink PUCCH Bandwidth) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PUCCH_RESOURCE_INDEX (LTE Uplink PUCCH Resource Index) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_CONFIGURATION_FSV (LTE Uplink PRACH Configuration FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_RESTRICTED_SET_FSV (LTE Uplink PRACH Restricted Set FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_FREQUENCY_OFFSET_FSV (LTE Uplink PRACH Frequency Offset FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_NCS_CONFIGURATION_FSV (LTE Uplink PRACH Ncs Configuration FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_LOGICAL_ROOT_SEQ_INDEX_FSV (LTE Uplink PRACH Logical Root Seq Index FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_SEQUENCE_INDEX_FSV (LTE Uplink PRACH Sequence Index FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_SEQUENCE_INDEX_VALUE_FSV (LTE Uplink PRACH Sequence Index Value FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_AUTOMATIC_PREAMBLE_MAPPING_FSV (LTE Uplink PRACH Automatic Preamble Mapping FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_FREQUENCY_INDEX_FSV (LTE Uplink PRACH Frequency Index FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_HALF_FRAME_INDICATOR_FSV (LTE Uplink PRACH Half Frame Indicator FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_CONFIGURATION (LTE Uplink PRACH Configuration) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_RESTRICTED_SET (LTE Uplink PRACH Restricted Set) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_FREQUENCY_OFFSET (LTE Uplink PRACH Frequency Offset) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_NCS_CONFIGURATION (LTE Uplink PRACH Ncs Configuration) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_LOGICAL_ROOT_SEQ_INDEX (LTE Uplink PRACH Logical Root Seq Index) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_SEQUENCE_INDEX (LTE Uplink PRACH Sequence Index) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_SEQUENCE_INDEX_VALUE (LTE Uplink PRACH Sequence Index Value) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_AUTOMATIC_PREAMBLE_MAPPING (LTE Uplink PRACH Automatic Preamble Mapping) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_FREQUENCY_INDEX (LTE Uplink PRACH Frequency Index) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PRACH_HALF_FRAME_INDICATOR (LTE Uplink PRACH Half Frame Indicator) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PREAMBLE_SELECTION_FSV (LTE Uplink Preamble Selection FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_PREAMBLE_SELECTION_ALL_FSV (LTE Uplink Preamble Selection All FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_ALLOCATION_FSV (LTE Uplink Constellation Allocation FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_ALLOCATION_ALL_FSV (LTE Uplink Constellation Allocation All FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_CARRIER_FSV (LTE Uplink Constellation Carrier FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_CARRIER_ALL_FSV (LTE Uplink Constellation Carrier All FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_SLOT_SELECTION (LTE Uplink Slot Selection) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_SUBFRAME_SELECTION (LTE Uplink Subframe Selection) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_SUBFRAME_SELECTION_ALL (LTE Uplink Subframe Selection All) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PREAMBLE_SELECTION (LTE Uplink Preamble Selection) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_PREAMBLE_SELECTION_ALL (LTE Uplink Preamble Selection All) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_MODULATION (LTE Uplink Constellation Modulation) - Updated values.

- RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_MODULATION_ALL (LTE Uplink Constellation Modulation All) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_ALLOCATION (LTE Uplink Constellation Allocation) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_ALLOCATION_ALL (LTE Uplink Constellation Allocation All) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_SYMBOL (LTE Uplink Constellation Symbol) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_SYMBOL_ALL (LTE Uplink Constellation Symbol All) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_CARRIER (LTE Uplink Constellation Carrier) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_CONSTELLATION_CARRIER_ALL (LTE Uplink Constellation Carrier All) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_QPSK_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM DMRS PUSCH QPSK Limit Check Result FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_64QAM_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM DMRS PUSCH 64QAM Limit Check Result FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_16QAM_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM DMRS PUSCH 16QAM Limit Check Result FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUCCH_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM DMRS PUCCH Limit Check Result FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_PUCCH_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM PUCCH Limit Check Result FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_PRACH_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM PRACH Limit Check Result FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_QPSK_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM PUSCH QPSK Limit Check Result FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_64QAM_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM PUSCH 64QAM Limit Check Result FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_16QAM_LIMIT_CHECK_RESULT_FSV (LTE Uplink EVM PUSCH 16QAM Limit Check Result FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_QPSK_RESULT (LTE Uplink EVM DMRS PUSCH QPSK Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_64QAM_RESULT (LTE Uplink EVM DMRS PUSCH 64QAM Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_16QAM_RESULT (LTE Uplink EVM DMRS PUSCH 16QAM Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUCCH_RESULT (LTE Uplink EVM DMRS PUCCH Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_PUCCH_RESULT (LTE Uplink EVM PUCCH Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_PRACH_RESULT (LTE Uplink EVM PRACH Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_QPSK_RESULT (LTE Uplink EVM PUSCH QPSK Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_64QAM_RESULT (LTE Uplink EVM PUSCH 64QAM Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_16QAM_RESULT (LTE Uplink EVM PUSCH 16QAM Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_QPSK_LIMIT_CHECK_RESULT (LTE Uplink EVM DMRS PUSCH QPSK Limit Check Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_64QAM_LIMIT_CHECK_RESULT (LTE Uplink EVM DMRS PUSCH 64QAM Limit Check Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUCCH_LIMIT_CHECK_RESULT (LTE Uplink EVM DMRS PUCCH Limit Check Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_DMRS_PUSCH_16QAM_LIMIT_CHECK_RESULT (LTE Uplink EVM DMRS PUSCH 16QAM Limit Check Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_PUCCH_LIMIT_CHECK_RESULT (LTE Uplink EVM PUCCH Limit Check Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_PRACH_LIMIT_CHECK_RESULT (LTE Uplink EVM PRACH Limit Check Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_QPSK_LIMIT_CHECK_RESULT (LTE Uplink EVM PUSCH QPSK Limit Check Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_64QAM_LIMIT_CHECK_RESULT (LTE Uplink EVM PUSCH 64QAM Limit Check Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_PUSCH_16QAM_LIMIT_CHECK_RESULT (LTE Uplink EVM PUSCH 16QAM Limit Check Result) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_AL_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Uplink EVM AI Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_AL_LIMIT_CHECK_RESULT_MAX_FSV (LTE Uplink EVM AI Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_AL_LIMIT_CHECK_RESULT_AVERAGE (LTE Uplink EVM AI Limit Check Result Average) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_EVM_AL_LIMIT_CHECK_RESULT_MAX (LTE Uplink EVM AI Limit Check Result Maximum) - Short command updated.
- RSSPECAN_ATTR_LTE_UPLINK_EVM_PHYSICAL_CHANNEL_LIMIT_CHECK_RESULT_AVE RAGE_FSV (LTE Uplink EVM Physical Channel Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_EVM_PHYSICAL_CHANNEL_LIMIT_CHECK_RESULT_MA X_FSV (LTE Uplink EVM Physical Channel Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_EVM_PHYSICAL_CHANNEL_LIMIT_CHECK_RESULT_AVE RAGE (LTE Uplink EVM Physical Channel Limit Check Result Average) - Short command updated.
- RSSPECAN_ATTR_LTE_UPLINK_EVM_PHYSICAL_CHANNEL_LIMIT_CHECK_RESULT_MA X (LTE Uplink EVM Physical Channel Limit Check Result Maximum) - Short command updated.
- RSSPECAN_ATTR_LTE_UPLINK_EVM_PHYSICAL_SIGNAL_LIMIT_CHECK_RESULT_AVER AGE_FSV (LTE Uplink EVM Physical Signal Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_EVM_PHYSICAL_SIGNAL_LIMIT_CHECK_RESULT_MAX_ FSV (LTE Uplink EVM Physical Signal Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_EVM_PHYSICAL_SIGNAL_LIMIT_CHECK_RESULT_AVER AGE (LTE Uplink EVM Physical Signal Limit Check Result Average) - Short command updated.
- RSSPECAN_ATTR_LTE_UPLINK_EVM_PHYSICAL_SIGNAL_LIMIT_CHECK_RESULT_MAX (LTE Uplink EVM Physical Signal Limit Check Result Maximum) - Short command updated.
- RSSPECAN_ATTR_LTE_UPLINK_FREQUENCY_ERROR_LIMIT_CHECK_RESULT_AVERAG E_FSV (LTE Uplink Frequency Error Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_FREQUENCY_ERROR_LIMIT_CHECK_RESULT_MAX_FS V (LTE Uplink Frequency Error Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_FREQUENCY_ERROR_LIMIT_CHECK_RESULT_AVERAG E (LTE Uplink Frequency Error Limit Check Result Average) - Short command updated.
- RSSPECAN_ATTR_LTE_UPLINK_FREQUENCY_ERROR_LIMIT_CHECK_RESULT_MAX (LTE Uplink Frequency Error Limit Check Result Maximum) - Short command updated.
- RSSPECAN_ATTR_LTE_UPLINK_IQ_GAIN_IMBALANCE_LIMIT_CHECK_RESULT_AVERAG E_FSV (LTE Uplink IQ Gain Imbalance Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_IQ_GAIN_IMBALANCE_LIMIT_CHECK_RESULT_MAX_FSV (LTE Uplink IQ Gain Imbalance Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.
- RSSPECAN_ATTR_LTE_UPLINK_IQ_GAIN_IMBALANCE_LIMIT_CHECK_RESULT_AVERAG E (LTE Uplink IQ Gain Imbalance Limit Check Result Average) - Short command updated.
- RSSPECAN_ATTR_LTE_UPLINK_IQ_GAIN_IMBALANCE_LIMIT_CHECK_RESULT_MAX (LTE Uplink IQ Gain Imbalance Limit Check Result Maximum) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_IQ_OFFSET_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Uplink IQ Offset Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_IQ_OFFSET_LIMIT_CHECK_RESULT_MAX_FSV (LTE Uplink IQ Offset Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_IQ_OFFSET_LIMIT_CHECK_RESULT_AVERAGE (LTE Uplink IQ Offset Limit Check Result Average) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_IQ_OFFSET_LIMIT_CHECK_RESULT_MAX (LTE Uplink IQ Offset Limit Check Result Maximum) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_IQ_QUADRATURE_ERROR_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Uplink IQ Quadrature Error Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_IQ_QUADRATURE_ERROR_LIMIT_CHECK_RESULT_MAX_FSV (LTE Uplink IQ Quadrature Error Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_IQ_QUADRATURE_ERROR_LIMIT_CHECK_RESULT_AVERAGE (LTE Uplink IQ Quadrature Error Limit Check Result Average) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_IQ_QUADRATURE_ERROR_LIMIT_CHECK_RESULT_MAX (LTE Uplink IQ Quadrature Error Limit Check Result Maximum) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_SAMPLING_ERROR_LIMIT_CHECK_RESULT_AVERAGE_FSV (LTE Uplink Sampling Error Limit Check Result Average FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_SAMPLING_ERROR_LIMIT_CHECK_RESULT_MAX_FSV (LTE Uplink Sampling Error Limit Check Result Maximum FSV) - Only FSV was added to the attribute name because the same attribute was created for FSW with carrier component.

- RSSPECAN_ATTR_LTE_UPLINK_SAMPLING_ERROR_LIMIT_CHECK_RESULT_AVERAGE (LTE Uplink Sampling Error Limit Check Result Average) - Short command updated.

- RSSPECAN_ATTR_LTE_UPLINK_SAMPLING_ERROR_LIMIT_CHECK_RESULT_MAX (LTE Uplink Sampling Error Limit Check Result Maximum) - Short command updated.

- RSSPECAN_ATTR_DOCSIS_EVALUATION_CONSTELLATION_OBJECT (DOCSIS Evaluation Range Constellation Object) - Range table was updated

* Modified Range Tables:
- rsspecan_rngUnits - RSSPECAN_LIMIT_UNITS
                      New items: RSSPECAN_VAL_UNIT_DBUV_M
- rsspecan_rngListRangDet - RSSPECAN_ATTR_SE_LIST_RANG_DET
                      New items: RSSPECAN_VAL_LIST_RANG_DET_APE
- rsspecan_rngDISPConfPreDefColour.RSSPECAN_VAL_DISP_COL_LGRA - RSSPECAN_ATTR_DISP_COL_PREDEFINED,
RSSPECAN_ATTR_HCOPY_COLOR_PREDEFINED
                      Command changed ("LGRAY", "LGRA")
- rsspecan_rngDISPConfPreDefColour.RSSPECAN_VAL_DISP_COL_LGRE - RSSPECAN_ATTR_DISP_COL_PREDEFINED,
RSSPECAN_ATTR_HCOPY_COLOR_PREDEFINED
                      Command changed ("LGREEN", "LGRE")
- rsspecan_rngHcopyDeviceLang - RSSPECAN_ATTR_HCOPY_DEVICE_LANG_OUT_FORM
                      New items: RSSPECAN_VAL_HCOPY_DEVICE_LANG_PDF,
RSSPECAN_VAL_HCOPY_DEVICE_LANG_SVG
- rsspecan_rngServiceInput - RSSPECAN_ATTR_SERVICE_INPUT_SOURCE

New items: RSSPECAN_VAL_INPUT_WB2CAL, RSSPECAN_VAL_INPUT_SYNTH

- rsspecan_rngMeasPowerSelect - RSSPECAN_ATTR_MEAS_POW_SELECT

New items: RSSPECAN_VAL_MEAS_POW_PPOW, RSSPECAN_VAL_MEAS_POW_GACL, RSSPECAN_VAL_MEAS_POW_MACM, RSSPECAN_VAL_MEAS_POW_COB

- rsspecan_rngSourceIntExt.RSSPECAN_VAL_SOUR_E10 - RSSPECAN_ATTR_ROSC_SOURCE, RSSPECAN_ATTR_ROSC_SOURCE_EAUTO, RSSPECAN_ATTR_EXT_GEN_ROSC_SOURCE

Help changed ("Available only on FSW. The external reference from REF INPUT 1..20 MHZ connector is used with a fixed 10 MHZ frequency; if none is available, an error flag is displayed in the status bar", "The external reference from REF INPUT 1..20 MHZ connector is used with a fixed 10 MHZ frequency; if none is available, an error flag is displayed in the status bar")

- rsspecan_rngSourceIntExt.RSSPECAN_VAL_SOUR_E100 - RSSPECAN_ATTR_ROSC_SOURCE, RSSPECAN_ATTR_ROSC_SOURCE_EAUTO, RSSPECAN_ATTR_EXT_GEN_ROSC_SOURCE

Help changed ("Available only on FSW. The external reference from REF INPUT 100 MHZ connector is used; if none is available, an error flag is displayed in the status bar", "The external reference from REF INPUT 100 MHZ connector is used; if none is available, an error flag is displayed in the status bar")

- rsspecan_rngSourceIntExt.RSSPECAN_VAL_SOUR_SYNC - RSSPECAN_ATTR_ROSC_SOURCE, RSSPECAN_ATTR_ROSC_SOURCE_EAUTO, RSSPECAN_ATTR_EXT_GEN_ROSC_SOURCE

Help changed ("Available only on FSW. The external reference is used; if none is available, an error flag is displayed in the status bar", "The external reference is used; if none is available, an error flag is displayed in the status bar")

- rsspecan_rngExtGateTrigType - RSSPECAN_ATTR_EXTERNAL_GATE_TRIGGER_TYPE

New items: RSSPECAN_VAL_EGAT_TRIG_OFF

- rsspecan_rngLayoutQueryWindowType -

New items: RSSPECAN_VAL_LAYOUT_TYPE_DSUMMARY, RSSPECAN_VAL_LAYOUT_TYPE_SSUMMARY, RSSPECAN_VAL_LAYOUT_TYPE_MSPECTRUM, RSSPECAN_VAL_LAYOUT_TYPE_DPH, RSSPECAN_VAL_LAYOUT_TYPE_GDVT, RSSPECAN_VAL_LAYOUT_TYPE_PDVT, RSSPECAN_VAL_LAYOUT_TYPE_MERM, RSSPECAN_VAL_LAYOUT_TYPE_PCAR, RSSPECAN_VAL_LAYOUT_TYPE_PHAC

- rsspecan_rngLTEUplinkSlotSelection.RSSPECAN_VAL_LTE_UPLINK_SLOT_SELECTION_ALL - RSSPECAN_ATTR_LTE_UPLINK_SLOT_SELECTION

Description changed ("Both Slots", "Both slots")

- rsspecan_rngVSAModulPSKFormat - RSSPECAN_ATTR_VSA_MODULATION_PSK_FORMAT

New items: RSSPECAN_VAL_MOD_PSK_NPI2, RSSPECAN_VAL_MOD_PSK_DPI2

- RsSpecAn_rngLTEDownlinkConstellationModulation - RSSPECAN_ATTR_LTE_DOWNLINK_CONSTELLATION_MODULATION

Range changed to <1;14>

- rsspecan_rngTransientLayoutType -

New items: RSSPECAN_VAL_LAYOUT_TYPE_IQTIME

- rsspecan_rngAmplifierLayoutQueryWindowType -

New items: RSSPECAN_VAL_LAYOUT_TYPE_GDVT, RSSPECAN_VAL_LAYOUT_TYPE_PDVT

- rsspecan_rngDOCSISLayoutType -

New items: RSSPECAN_VAL_LAYOUT_TYPE_MERM, RSSPECAN_VAL_LAYOUT_TYPE_PCAR, RSSPECAN_VAL_LAYOUT_TYPE_PHAC

- RsSpecAn_rngDOCSISChannelEstimation - RSSPECAN_ATTR_DOCSIS_CHANNEL_ESTIMATION

New items:
RSSPECAN_VAL_DOCSIS_CHANNEL_ESTIMATION_PILOTS,
RSSPECAN_VAL_DOCSIS_CHANNEL_ESTIMATION_PDATA,
RSSPECAN_VAL_DOCSIS_CHANNEL_ESTIMATION_EMER,
RSSPECAN_VAL_DOCSIS_CHANNEL_ESTIMATION_UMER,
RSSPECAN_VAL_DOCSIS_CHANNEL_ESTIMATION_PEQ
  - rsspecan_rngDOCSISConstellationObject -
RSSPECAN_ATTR_DOCSIS_EVALUATION_CONSTELLATION_OBJECT
New items:
RSSPECAN_VAL_DOCSIS_CONSTELLATION_OBJECT_PILOTS,
RSSPECAN_VAL_DOCSIS_CONSTELLATION_OBJECT_CPILOTS,
RSSPECAN_VAL_DOCSIS_CONSTELLATION_OBJECT_SPILOTS,
RSSPECAN_VAL_DOCSIS_CONSTELLATION_OBJECT_CONPILOTS,
RSSPECAN_VAL_DOCSIS_CONSTELLATION_OBJECT_PROFILE
  - RsSpecAn_rngPresetFilter - RSSPECAN_ATTR_PRESET_FILTER
New items: RSSPECAN_VAL_PRESET_FILT_NOISE

4.15 Version 3.6.1 / 2016 - 04

* Updated:
- rsspecan_ReadToFileFromInstrument - fixed bug for files smaller than 1 GB
- rsspecan_FetchXTrace - fixed bug when using Window = 0

4.16 Version 3.6.0 / 2016 - 01

* Support for FSW 2.30SP2

* New Subsystems
- WiGig

* Updated:
- cosmetic changes in documentation

* Updated in Base system:
- rsspecan_ConfigureMarkerBandPower - new Display mode Relative Power
- rsspecan_ConfigureDeltaMarkerBandPower - new Display mode Relative Power
- rsspecan_AddWindow - new Window Type - WIGig
- rsspecan_ReplaceWindow - new Window Type - WIGig
- rsspecan_QueryMarker - used reserved parameter for Window
- rsspecan_ConfigurePreamplifier - only set the
RSSPECAN_ATTR_AMPL_PREAMPLIFIER_LEVEL for FSW. For FPS,FSV,FSVR skipped
setting this attribute
- RSSPECAN_ATTR_SWEEP_POINTS - changed max value to 100001
- All methods and attributes in RsSpecAnFileSaveRecallChannel changed required instruments
from All to FSW,FSWP

* New in Pulse Measurement:
- rsspecan_ConfigurePulseReferenceType
- rsspecan_ConfigurePulseUserDefinedReferenceIQFileWindow
- rsspecan_ConfigurePulsePolynominaPhaseReferenceWaveform
- rsspecan_ConfigurePulseBarkerReferenceWaveform
- rsspecan_ConfigurePulseEmbeddedBarkerReferenceWaveform

* New in Amplifier:

- rsspecan_ConfigureAmplifierSystemModelScale

* Updated in Amplifier:
- rsspecan_ConfigureAmplifierResultParameterSweepTable - ACLR Balanced Magnitude added
- rsspecan_ConfigureAmplifierResultParameterSweepDisplay - ACLR Balanced Magnitude added
- rsspecan_GetAmplifierParameterSweepTableResults - ACP Balanced
- rsspecan_GetAmplifierParameterSweepTableResultsPosition - ACP Balanced

* New in VSA:
- rsspecan_ConfigureVSAEyeDiagramAbsoluteLimitLine
- rsspecan_ConfigureVSAEyeDiagramRelativeLimitLine
- rsspecan_ReadVSATraceSymbols

* Updated in VSA:
- rsspecan_ConfigureVSAModulationSettings - Shaped Offset QPSK
- rsspecan_ConfigureVSASymbols - Result type used
- rsspecan_GetVSAResult - fixed proper check for Modifier range

* New in DOCSIS 3.1:
- rsspecan_ConfigureDOCSISStreamDirection
- DOCSIS Upstream class
- rsspecan_ConfigureDOCSISExcludingSubcarriers
- rsspecan_ConfigureDOCSISExcludingUserSubcarriers

* Update in DOCSIS 3.1:
- rsspecan_ConfigureDOCSISOFDMChannelDescription - N_FTT 2K added

* New attributes:
- Active Window (RSSPECAN_ATTR_ACTIVE_WINDOW)
- Amplifier Modeling Scale (RSSPECAN_ATTR_AMPLIFIER_MODELING_SCALE)
- Amplifier ACP Balanced Maximum
(RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_BALANCED_MAXIMUM)
- Amplifier ACP Balanced Minimum
(RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_BALANCED_MINIMUM)
- Amplifier ACP Balanced X Maximum
(RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_BALANCED_X_MAXIMUM)
- Amplifier ACP Balanced X Minimum
(RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_BALANCED_X_MINIMUM)
- Amplifier ACP Balanced Y Maximum
(RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_BALANCED_Y_MAXIMUM)
- Amplifier ACP Balanced Y Minimum
(RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_BALANCED_Y_MINIMUM)
- Pulse Reference IQ Window (RSSPECAN_ATTR_PULSE_REFERENCE_IQ_WINDOW)
- Pulse Reference IQ Polynomial Phase Window
(RSSPECAN_ATTR_PULSE_REFERENCE_IQ_POLYNOMIAL_PHASE_WINDOW)
- Pulse Reference IQ Polynomial Phase Width
(RSSPECAN_ATTR_PULSE_REFERENCE_IQ_POLYNOMIAL_PHASE_WIDTH)
- Pulse Reference IQ Barker Width
(RSSPECAN_ATTR_PULSE_REFERENCE_IQ_BARKER_WIDTH)
- Pulse Reference IQ Barker Primary Code
(RSSPECAN_ATTR_PULSE_REFERENCE_IQ_BARKER_PRIMARY_CODE)
- Pulse Reference IQ Embeded Barker Primary Code
(RSSPECAN_ATTR_PULSE_REFERENCE_IQ_EMBEDED_BARKER_PRIMARY_CODE)
- Pulse Reference IQ Embeded Barker Secondary Code
(RSSPECAN_ATTR_PULSE_REFERENCE_IQ_EMBEDED_BARKER_SECONDARY_CODE)
- Pulse Reference IQ Embeded Barker Width
(RSSPECAN_ATTR_PULSE_REFERENCE_IQ_EMBEDED_BARKER_WIDTH)
- VSA Eye Diagram Vertical Limit Line Absolute Enabled
(RSSPECAN_ATTR_VSA_EYE_DIAGRAM_VERTICAL_LIMIT_LINE_ABSOLUTE_ENABLED)

- VSA Eye Diagram Vertical Limit Line Absolute
(RSSPECAN_ATTR_VSA_EYE_DIAGRAM_VERTICAL_LIMIT_LINE_ABSOLUTE)
 - VSA Eye Diagram Vertical Limit Line Relative Enabled
(RSSPECAN_ATTR_VSA_EYE_DIAGRAM_VERTICAL_LIMIT_LINE_RELATIVE_ENABLED)
 - VSA Eye Diagram Vertical Limit Line Relative
(RSSPECAN_ATTR_VSA_EYE_DIAGRAM_VERTICAL_LIMIT_LINE_RELATIVE)
 - VSA Eye Diagram Horizontal Limit Line Absolute Enabled
(RSSPECAN_ATTR_VSA_EYE_DIAGRAM_HORIZONTAL_LIMIT_LINE_ABSOLUTE_ENABLE
D)
 - VSA Eye Diagram Horizontal Limit Line Absolute
(RSSPECAN_ATTR_VSA_EYE_DIAGRAM_HORIZONTAL_LIMIT_LINE_ABSOLUTE)
 - VSA Eye Diagram Horizontal Limit Line Relative Enabled
(RSSPECAN_ATTR_VSA_EYE_DIAGRAM_HORIZONTAL_LIMIT_LINE_RELATIVE_ENABLED
)
 - VSA Eye Diagram Horizontal Limit Line Relative
(RSSPECAN_ATTR_VSA_EYE_DIAGRAM_HORIZONTAL_LIMIT_LINE_RELATIVE)
 - WIGIG Mode (RSSPECAN_ATTR_WIGIG_MODE)
 - WIGIG Auto Level (RSSPECAN_ATTR_WIGIG_AUTO_LEVEL)
 - WIGIG Auto Level Once (RSSPECAN_ATTR_WIGIG_AUTO_LEVEL_ONCE)
 - WIGIG Tracking Phase Enabled
(RSSPECAN_ATTR_WIGIG_TRACKING_PHASE_ENABLED)
 - WIGIG Tracking Timing Enabled
(RSSPECAN_ATTR_WIGIG_TRACKING_TIMING_ENABLED)
 - WIGIG Tracking Level Enabled (RSSPECAN_ATTR_WIGIG_TRACKING_LEVEL_ENABLED)
 - WIGIG IQ Compensation Enabled
(RSSPECAN_ATTR_WIGIG_IQ_COMPENSATION_ENABLED)
 - WIGIG Bitstream Format (RSSPECAN_ATTR_WIGIG_BITSTREAM_FORMAT)
 - WIGIG Statistic Count Enabled
(RSSPECAN_ATTR_WIGIG_STATISTIC_COUNT_ENABLED)
 - WIGIG Statistic Count (RSSPECAN_ATTR_WIGIG_STATISTIC_COUNT)
 - WIGIG PPDU to Analyze (RSSPECAN_ATTR_WIGIG_PPDU_TO_ANALYZE)
 - WIGIG PPDU Index (RSSPECAN_ATTR_WIGIG_PPDU_INDEX)
 - WIGIG Equal Burst Length Enabled
(RSSPECAN_ATTR_WIGIG_EQUAL_BURST_LENGTH_ENABLED)
 - WIGIG Number of Symbols Maximum
(RSSPECAN_ATTR_WIGIG_NUMBER_OF_SYMBOLS_MAXIMUM)
 - WIGIG Number of Symbols Minimum
(RSSPECAN_ATTR_WIGIG_NUMBER_OF_SYMBOLS_MINIMUM)
 - WIGIG Fetch Burst Count (RSSPECAN_ATTR_WIGIG_FETC_BURS_COUNT)
 - WIGIG Fetch Crest Factor Average
(RSSPECAN_ATTR_WIGIG_FETCH_CREST_FACTOR_AVERAGE)
 - WIGIG Fetch Crest Factor Maximum
(RSSPECAN_ATTR_WIGIG_FETCH_CREST_FACTOR_MAXIMUM)
 - WIGIG Fetch Crest Factor Minimum
(RSSPECAN_ATTR_WIGIG_FETCH_CREST_FACTOR_MINIMUM)
 - WIGIG Fetch Center Frequency Error Average
(RSSPECAN_ATTR_WIGIG_FETCH_CENTER_FREQUENCY_ERROR_AVERAGE)
 - WIGIG Fetch Center Frequency Error Maximum
(RSSPECAN_ATTR_WIGIG_FETCH_CENTER_FREQUENCY_ERROR_MAXIMUM)
 - WIGIG Fetch Center Frequency Error Minimum
(RSSPECAN_ATTR_WIGIG_FETCH_CENTER_FREQUENCY_ERROR_MINIMUM)
 - WIGIG Fetch EVM All Symbols Average
(RSSPECAN_ATTR_WIGIG_FETCH_EVM_ALL_SYMBOLS_AVERAGE)
 - WIGIG Fetch EVM All Symbols Maximum
(RSSPECAN_ATTR_WIGIG_FETCH_EVM_ALL_SYMBOLS_MAXIMUM)
 - WIGIG Fetch EVM All Symbols Minimum
(RSSPECAN_ATTR_WIGIG_FETCH_EVM_ALL_SYMBOLS_MINIMUM)
 - WIGIG Fetch EVM Data Symbols Average
(RSSPECAN_ATTR_WIGIG_FETCH_EVM_DATA_SYMBOLS_AVERAGE)

- WIGIG Fetch EVM Data Symbols Maximum
(RSSPECAN_ATTR_WIGIG_FETCH_EVM_DATA_SYMBOLS_MAXIMUM)
- WIGIG Fetch EVM Data Symbols Minimum
(RSSPECAN_ATTR_WIGIG_FETCH_EVM_DATA_SYMBOLS_MINIMUM)
- WIGIG Fetch EVM Pilot Symbols Average
(RSSPECAN_ATTR_WIGIG_FETCH_EVM_PILOT_SYMBOLS_AVERAGE)
- WIGIG Fetch EVM Pilot Symbols Maximum
(RSSPECAN_ATTR_WIGIG_FETCH_EVM_PILOT_SYMBOLS_MAXIMUM)
- WIGIG Fetch EVM Pilot Symbols Minimum
(RSSPECAN_ATTR_WIGIG_FETCH_EVM_PILOT_SYMBOLS_MINIMUM)
- WIGIG Fetch Fall Time Average
(RSSPECAN_ATTR_WIGIG_FETCH_FALL_TIME_AVERAGE)
- WIGIG Fetch Fall Time Maximum
(RSSPECAN_ATTR_WIGIG_FETCH_FALL_TIME_MAXIMUM)
- WIGIG Fetch Fall Time Minimum
(RSSPECAN_ATTR_WIGIG_FETCH_FALL_TIME_MINIMUM)
- WIGIG Fetch Rise Time Average
(RSSPECAN_ATTR_WIGIG_FETCH_RISE_TIME_AVERAGE)
- WIGIG Fetch Rise Time Maximum
(RSSPECAN_ATTR_WIGIG_FETCH_RISE_TIME_MAXIMUM)
- WIGIG Fetch Rise Time Minimum
(RSSPECAN_ATTR_WIGIG_FETCH_RISE_TIME_MINIMUM)
- WIGIG Fetch Gain Imbalance Average
(RSSPECAN_ATTR_WIGIG_FETCH_GAIN_IMBALANCE_AVERAGE)
- WIGIG Fetch Gain Imbalance Maximum
(RSSPECAN_ATTR_WIGIG_FETCH_GAIN_IMBALANCE_MAXIMUM)
- WIGIG Fetch Gain Imbalance Minimum
(RSSPECAN_ATTR_WIGIG_FETCH_GAIN_IMBALANCE_MINIMUM)
- WIGIG Fetch IQ Offset Average
(RSSPECAN_ATTR_WIGIG_FETCH_IQ_OFFSET_AVERAGE)
- WIGIG Fetch IQ Offset Maximum
(RSSPECAN_ATTR_WIGIG_FETCH_IQ_OFFSET_MAXIMUM)
- WIGIG Fetch IQ Offset Minimum
(RSSPECAN_ATTR_WIGIG_FETCH_IQ_OFFSET_MINIMUM)
- WIGIG Fetch Quadrature Error Average
(RSSPECAN_ATTR_WIGIG_FETCH_QUADRATURE_ERROR_AVERAGE)
- WIGIG Fetch Quadrature Error Maximum
(RSSPECAN_ATTR_WIGIG_FETCH_QUADRATURE_ERROR_MAXIMUM)
- WIGIG Fetch Quadrature Error Minimum
(RSSPECAN_ATTR_WIGIG_FETCH_QUADRATURE_ERROR_MINIMUM)
- WIGIG Fetch Symbol Clock Error Average
(RSSPECAN_ATTR_WIGIG_FETCH_SYMBOL_CLOCK_ERROR_AVERAGE)
- WIGIG Fetch Symbol Clock Error Maximum
(RSSPECAN_ATTR_WIGIG_FETCH_SYMBOL_CLOCK_ERROR_MAXIMUM)
- WIGIG Fetch Symbol Clock Error Minimum
(RSSPECAN_ATTR_WIGIG_FETCH_SYMBOL_CLOCK_ERROR_MINIMUM)
- WIGIG Fetch Time Domain Power Average
(RSSPECAN_ATTR_WIGIG_FETCH_TIME_DOMAIN_POWER_AVERAGE)
- WIGIG Fetch Time Domain Power Maximum
(RSSPECAN_ATTR_WIGIG_FETCH_TIME_DOMAIN_POWER_MAXIMUM)
- WIGIG Fetch Time Domain Power Minimum
(RSSPECAN_ATTR_WIGIG_FETCH_TIME_DOMAIN_POWER_MINIMUM)
- WIGIG Fetch Time Skew Average
(RSSPECAN_ATTR_WIGIG_FETCH_TIME_SKEW_AVERAGE)
- WIGIG Fetch Time Skew Maximum
(RSSPECAN_ATTR_WIGIG_FETCH_TIME_SKEW_MAXIMUM)
- WIGIG Fetch Time Skew Minimum
(RSSPECAN_ATTR_WIGIG_FETCH_TIME_SKEW_MINIMUM)
- DOCSIS Stream Direction (RSSPECAN_ATTR_DOCSIS_STREAM_DIRECTION)

- DOCSIS Upstream Symbols Per Frame
(RSSPECAN_ATTR_DOCSIS_UPSTREAM_SYMBOLS_PER_FRAME)
 - DOCSIS Upstream Excluded Subcarrier Number Of Entries
(RSSPECAN_ATTR_DOCSIS_UPSTREAM_EXCLUDED_SUBCARRIER_NUMBER_OF_ENTRI
ES)
 - DOCSIS Upstream Excluded Subcarrier Type
(RSSPECAN_ATTR_DOCSIS_UPSTREAM_EXCLUDED_SUBCARRIER_TYPE)
 - DOCSIS Upstream Excluded Subcarrier Start
(RSSPECAN_ATTR_DOCSIS_UPSTREAM_EXCLUDED_SUBCARRIER_START)
 - DOCSIS Upstream Excluded Subcarrier Stop
(RSSPECAN_ATTR_DOCSIS_UPSTREAM_EXCLUDED_SUBCARRIER_STOP)
 - DOCSIS Upstream Excluded Subcarrier Range Increment
(RSSPECAN_ATTR_DOCSIS_UPSTREAM_EXCLUDED_SUBCARRIER_RANGE_INCREMEN
T)
 - DOCSIS Upstream Profile Configuration Number Of Minislots
(RSSPECAN_ATTR_DOCSIS_UPSTREAM_PROFILE_CONFIGURATION_NUMBER_OF_MINI
SLOTS)
 - DOCSIS Upstream Profile Configuration Modulation
(RSSPECAN_ATTR_DOCSIS_UPSTREAM_PROFILE_CONFIGURATION_MODULATION)
 - DOCSIS Upstream Profile Configuration Pilot Pattern
(RSSPECAN_ATTR_DOCSIS_UPSTREAM_PROFILE_CONFIGURATION_PILOT_PATTERN)
 - DOCSIS Evaluation Range MER Excluding Subcarriers Mode
(RSSPECAN_ATTR_DOCSIS_EVALUATION_RANGE_MER_EXCLUDING_SUBCARRIERS_M
ODE)
 - DOCSIS Evaluation Range MER Excluding Subcarriers Count
(RSSPECAN_ATTR_DOCSIS_EVALUATION_RANGE_MER_EXCLUDING_SUBCARRIERS_C
OUNT)
 - Operation Complete (OPC) Timeout (RSSPECAN_ATTR_OPC_TIMEOUT)
 - Query OPC (RSSPECAN_ATTR_QUERY_OPC)
 - Visa Timeout (RSSPECAN_ATTR_VISA_TIMEOUT)
 - Process All Previous Commands
(RSSPECAN_ATTR_PROCESS_ALL_PREVIOUS_COMMANDS)
 - Visa Manufacturer (RSSPECAN_ATTR_VISA_MANUFACTURER)
 - Clear Status (RSSPECAN_ATTR_CLEAR_STATUS)
 - Option Checking (RSSPECAN_ATTR_OPTION_CHECKING)
 * Modified attributes:
 - RSSPECAN_ATTR_MARKER_AMPLITUDE (Marker Amplitude) - Added repeated capability
Window - specify through selector ActiveWindow
 - RSSPECAN_ATTR_MARKER_POSITION (Marker Position) - Added repeated capability
Window - specify through selector ActiveWindow
 - RSSPECAN_ATTR_DELTA_MARKER_BAND_POWER_MODE (Delta Marker Band Power
Mode) - Relative Power added.
 * Modified Range Tables:
 - rsspecan_rngSwePoints - RSSPECAN_ATTR_SWEEP_POINTS,
RSSPECAN_ATTR_SE_LIST_RANG_POINTS
                                 Range changed to <101;100001>
 - rsspecan_rngBandPowerMode - RSSPECAN_ATTR_MARKER_BAND_POWER_MODE,
RSSPECAN_ATTR_DELTA_MARKER_BAND_POWER_MODE
                                 New items: RSSPECAN_VAL_BPOWER_REL_POWER
 - rsspecan_rngLayoutQueryWindowType - RSSPECAN_ATTR_LAYOUT_WINDOW_RANGE
                                 New items: RSSPECAN_VAL_LAYOUT_TYPE_CFR,
RSSPECAN_VAL_LAYOUT_TYPE_DBST, RSSPECAN_VAL_LAYOUT_TYPE_DDBS,
RSSPECAN_VAL_LAYOUT_TYPE_HBST, RSSPECAN_VAL_LAYOUT_TYPE_HDBS,
RSSPECAN_VAL_LAYOUT_TYPE_HEAD, RSSPECAN_VAL_LAYOUT_TYPE_PEVS,
RSSPECAN_VAL_LAYOUT_TYPE_PTVS, RSSPECAN_VAL_LAYOUT_TYPE_PSP_WIGIG
 - rsspecan_rngVSAResultFormat - RSSPECAN_ATTR_VSA_RESULT_FORMAT
                                 New items: RSSPECAN_VAL_VSA_RESULT_FORMAT_BIN,
RSSPECAN_VAL_VSA_RESULT_FORMAT_OCT,
RSSPECAN_VAL_VSA_RESULT_FORMAT_DEC,
RSSPECAN_VAL_VSA_RESULT_FORMAT_HEX

- rsspecan_rngVSAModulQPSKFormat -
RSSPECAN_ATTR_VSA_MODULATION_QPSK_FORMAT
New items: RSSPECAN_VAL_MOD_QPSK_SOFF
- RsSpecAn_rngDOCSISNFFT - RSSPECAN_ATTR_DOCSIS_N_FFT
New items: RSSPECAN_VAL_DOCSIS_NFFT_FFT2K
- RsSpecAn_rngPulseReferenceIQType -
RSSPECAN_ATTR_PULSE_REFERENCE_IQ_TYPE
New items:
RSSPECAN_VAL_PULSE_REFERENCE_IQ_TYPE_PFM,
RSSPECAN_VAL_PULSE_REFERENCE_IQ_TYPE_BARK,
RSSPECAN_VAL_PULSE_REFERENCE_IQ_TYPE_EBAR
- rsspecan_rngAmplifierParametersSweepResultType -
RSSPECAN_ATTR_AMPLIFIER_PARAMETERS_SWEEP_RESULT_TYPE
New items: RSSPECAN_VAL_RESULT_PSWEEP_ACBM

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* Support for FSWP 1.10

* New in Base system:
- rsspecan_ConfigurePresetFilter
- rsspecan_SetReferenceLevelToLimit
- rsspecan_GetReferenceLevelRange

* Updated in Base system:
- rsspecan_ConfigureRFInputState
- rsspecan_ConfigureTriggerSource
- rsspecan_ConfigureExternalGate
- rsspecan_ConfigurePresetOperatingMode
- rsspecan_DataSetFileSelectItems
- rsspecan_DataSetFileSelectItemsFromChannel
- rsspecan_SetStatusRegister
- rsspecan_GetStatusRegister
- rsspecan_CopyTrace
- rsspecan_AddWindow - added windowType values, 106 - 113 for k7 option
- rsspecan_ReplaceWindow - added windowType values, 106 - 113 for k7 option

* New in Phase Noise:
- rsspecan_ConfigurePhaseLevelShifting
- rsspecan_ConfigurePhasePulseSettings
- rsspecan_ConfigurePhasePulseDetectionOnce
- rsspecan_ConfigurePhaseCrossCorrelation
- rsspecan_ConfigurePhaseSignalSearching
- rsspecan_ConfigurePhaseDisplayYAxis
- rsspecan_ConfigurePhaseDisplayYAxisOnce
- rsspecan_ConfigurePhaseTrace
- rsspecan_ConfigurePhaseTraceMath
- rsspecan_ConfigurePhaseTraceLabel
- rsspecan_AddPhaseWindow
- rsspecan_ReplacePhaseWindow
- rsspecan_ConfigurePhaseSpotNoise
- rsspecan_ConfigurePhaseSpotNoiseCustom
- rsspecan_ConfigurePhaseSpotNoiseDisplayInfo
- rsspecan_ConfigurePhaseResidualCalculationTrace
- rsspecan_ConfigurePhaseIntegrationRange
- rsspecan_PhaseWeightingFilterCreate
- rsspecan_PhaseWeightingFilterDelete

- rsspecan_DCOutputPowerState
- rsspecan_DCOutputPowerCoupling
- rsspecan_ConfigureDCSupplyPortState
- rsspecan_ConfigureDCSupplyPort
- rsspecan_ConfigureDCTuningPortState
- rsspecan_ConfigureDCTuningPort
- rsspecan_ConfigureDCAUXPortState
- rsspecan_ConfigureDCAUXPort
- rsspecan_QueryDCPortMaximum
- rsspecan_QueryDCOutputVoltageResults
- rsspecan_QueryDCOutputCurrentResults
- rsspecan_QueryDCOutputPowerResults
- rsspecan_TracePhaseCrossCorrelation
- rsspecan_GetHalfDecadeMeasCharacteristics
- rsspecan_ReadPhaseCrossCorrelationGainData
- rsspecan_FetchPhaseSpuriousList
- rsspecan_FetchPhaseSpuriousJitter
- rsspecan_GetPhaseJitterResult
- rsspecan_GetPhaseIntegratedMeasurementResult
- rsspecan_SignalSourceState
- rsspecan_SignalSourceSignalCharacteristics
- rsspecan_SignalSourceCoupling
- rsspecan_ConfigurePhaseResolutionBandwidth
- rsspecan_ConfigurePhaseRFInput

* Updated in Phase Noise:
- rsspecan_ConfigurePhaseSpotNoiseTraceSelection
- rsspecan_GetPhaseSpotNoiseYPosition

* Updated in 1xEV-DO:
- rsspecan_QueryBDOCodeDomainAnalyzerGeneralResults
- rsspecan_QueryMDOCodeDomainAnalyzerResultSummary

* New attributes:
- RSSPECAN_ATTR_PRESET_FILTER (Preset Filter)
- RSSPECAN_ATTR_INSTRUMENT_MODE (Instrument Mode)
- RSSPECAN_ATTR_REFERENCE_LEVEL_SET_TO_MIN_MAX (Reference Level Set To Min Max)
- RSSPECAN_ATTR_REFERENCE_LEVEL_MIN (Reference Level Min)
- RSSPECAN_ATTR_REFERENCE_LEVEL_MAX (Reference Level Max)
- RSSPECAN_ATTR_FILE_ITEMS_SAVE_RECAL_WEIGHTING (File Items to Save Recall Weighting)
- RSSPECAN_ATTR_FILE_ITEMS_SAVE_RECAL_CHANNEL_WEIGHTING (File Items to Save Recall Channel Weighting)
- RSSPECAN_ATTR_SERVICE_CAL_FREQ_MICROWAVE (Service Calibration Frequency Microwave)
- RSSPECAN_ATTR_PHASE_ARITHMETIC_LEVEL_OFFSET (Phase Arithmetic Level Offset)
- RSSPECAN_ATTR_SIGNAL_SEARCH_AUTO_ENABLED (Signal Search Auto State)
- RSSPECAN_ATTR_SIGNAL_SEARCH_AUTO_LIMIT_MIN (Signal Search Auto Limit Min)
- RSSPECAN_ATTR_SIGNAL_SEARCH_AUTO_LIMIT_MAX (Signal Search Auto Limit Max)
- RSSPECAN_ATTR_SIGNAL_SEARCH_THRESHOLD (Signal Search Threshold)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_ENABLED (DC Power Output State)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_COUPLING_ENABLED (DC Power Coupling)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_SUPPLY_PORT_ENABLED (DC Power Supply Port State)
- RSSPECAN_ATTR_OUTUPT_DC_POWER_SUPPLY_PORT_MODE (DC Power Supply Port Mode)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_SUPPLY_PORT_LEVEL (DC Power Supply Port Level)

- RSSPECAN_ATTR_OUTPUT_DC_POWER_SUPPLY_PORT_LIMIT_MAX (DC Power Supply Port Limit Maximum)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_SUPPLY_PORT_LIMIT_MIN (DC Power Supply Port Limit Minimum)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_SUPPLY_PORT_MAXIMUM (DC Power Supply Port Maximum)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_SUPPLY_PORT_CURRENT_MAXIMUM (DC Power Supply Port Current Maximum)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_TUNING_PORT_ENABLED (DC Power Tuning Port State)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_TUNING_PORT_LEVEL (DC Power Tuning Port Level)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_TUNING_PORT_LIMIT_MAX (DC Power Tuning Port Limit Maximum)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_TUNING_PORT_LIMIT_MIN (DC Power Tuning Port Limit Minimum)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_TUNING_PORT_CURRENT_MAXIMUM (DC Power Tuning Port Current Maximum)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_AUX_PORT_ENABLED (DC Power AUX Port State)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_AUX_PORT_LEVEL (DC Power AUX Port Level)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_AUX_PORT_LIMIT_MAX (DC Power AUX Port Limit Maximum)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_AUX_PORT_LIMIT_MIN (DC Power AUX Port Limit Minimum)
- RSSPECAN_ATTR_OUTPUT_DC_POWER_AUX_CURRENT_MAXIMUM (DC Power AUX Port Current Maximum)
- RSSPECAN_ATTR_OUTPUT_SIGNAL_ENABLED (Signal Source State)
- RSSPECAN_ATTR_OUTPUT_SIGNAL_FREQUENCY (Signal Source Frequency)
- RSSPECAN_ATTR_OUTPUT_SIGNAL_LEVEL (Signal Source Level)
- RSSPECAN_ATTR_OUTPUT_SIGNAL_SOURCE_COUPLING_ENABLED (Signal Source Coupling)
- RSSPECAN_ATTR_PHASE_MEASUREMENT (Phase Noise Measurement)
- RSSPECAN_ATTR_PHASE_PULSE_DETECTION_MODE (Phase Pulse Detection Mode)
- RSSPECAN_ATTR_PHASE_PULSE_DETECTION_MODE_ONCE (Phase Pulse Detection Mode Once)
- RSSPECAN_ATTR_PHASE_PULSE_REPETITION_INTERVAL (Phase Pulse Repetition Interval)
- RSSPECAN_ATTR_PHASE_CROSS_CORREL_OPTIMIZE_ENABLED (Phase Cross Correlation Optimize State)
- RSSPECAN_ATTR_PHASE_CROSS_CORREL_FACTOR (Phase Cross Correlation Factor)
- RSSPECAN_ATTR_PHASE_RANGE_START_FREQUENCY_OFFSET (Phase Start Frequency Offset)
- RSSPECAN_ATTR_PHASE_RANGE_STOP_FREQUENCY_OFFSET (Phase Stop Frequency Offset)
- RSSPECAN_ATTR_PHASE_RANGE_CROSS_CORRELATION_OPERATIONS (Phase Cross Correlation Operations)
- RSSPECAN_ATTR_PHASE_INTEGRATION_TRACE (Phase Integration Trace)
- RSSPECAN_ATTR_PHASE_INTEGRATION_RANGE_ENABLED (Phase Integration Range State)
- RSSPECAN_ATTR_PHASE_INTEGRATION_RANGE_START (Phase Integration Range Start)
- RSSPECAN_ATTR_PHASE_INTEGRATION_RANGE_STOP (Phase Integration Range Stop)
- RSSPECAN_ATTR_PHASE_INTEGRATION_WEIGHTING_FILTER (Phase Integration Weighting Filter)
- RSSPECAN_ATTR_PHASE_INTEGRATION_WEIGHTING_FILTER_NONE (Phase Integration Weighting Filter None)
- RSSPECAN_ATTR_PHASE_INTEGRATION_WEIGHTING_FILTER_SELECT (Phase Integration Weighting Filter Select)

- RSSPECAN_ATTR_PHASE_INTEGRATION_WEIGHTING_FILTER_NAME (Phase Integration Weighting Filter Name)
- RSSPECAN_ATTR_PHASE_INTEGRATION_WEIGHTING_FILTER_COMMENT (Phase Integration Weighting Filter Comment)
- RSSPECAN_ATTR_PHASE_INTEGRATION_WEIGHTING_FILTER_DELETE (Phase Integration Weighting Filter Delete)
- RSSPECAN_ATTR_PHASE_DISPLAY_TRACE_Y_AUTO (Phase Y Axis Auto Scaling Enabled)
- RSSPECAN_ATTR_PHASE_DISPLAY_TRACE_Y_AUTO_ONCE (Phase Y Axis Auto Scaling Once)
- RSSPECAN_ATTR_PHASE_DISPLAY_TRACE_Y_RLEV (Phase Y Axis Top)
- RSSPECAN_ATTR_PHASE_DISPLAY_TRACE_Y (Phase Y Axis Range)
- RSSPECAN_ATTR_PHASE_DISPLAY_TRACE_Y_BOTTOM (Phase Y Axis Bottom)
- RSSPECAN_ATTR_PHASE_DISP_TRACE_XGAIN_ENABLED (Phase Trace Cross Correlation Gain Indicator State)
- RSSPECAN_ATTR_PHASE_TRACE_SPUR_THRESHOLD (Phase Trace Spur Threshold)
- RSSPECAN_ATTR_PHASE_DISPLAY_TRACE_OFFSET_ENABLED (Phase Trace Offset State)
- RSSPECAN_ATTR_PHASE_DISPLAY_TRACE_OFFSET (Phase Trace Offset)
- RSSPECAN_ATTR_PHASE_TRACE_LABEL_ENABLED (Phase Trace Label State)
- RSSPECAN_ATTR_PHASE_TRACE_LABEL (Phase Trace Label)
- RSSPECAN_ATTR_PHASE_TRACE_DISPLAYED_RESULT (Phase Trace Displayed Result)
- RSSPECAN_ATTR_PHASE_DISPLAY_TRACE_SMO_APERTURE (Phase Trace Smoothing Aperture)
- RSSPECAN_ATTR_PHASE_DISPLAY_TRACE_SMO_ENABLED (Phase Trace Smoothing Enabled)
- RSSPECAN_ATTR_PHASE_DISPLAY_TRACE_SPUR_SUPP_ENABLED (Phase Trace Spur Suppression Enabled)
- RSSPECAN_ATTR_PHASE_DISPLAY_TRACE_SPUR_THRESHOLD (Phase Trace Spur Threshold)
- RSSPECAN_ATTR_PHASE_SPOT_NOISE_DISPLAY_INFO_ENABLED (Phase Spot Noise Display Info)
- RSSPECAN_ATTR_PHASE_SPOT_NOISE_SELECT_TRACE_FSWP (Phase Spot Noise Select Trace FSWP)
- RSSPECAN_ATTR_PHASE_CUSTOM_SNO_ENABLED (Phase Custom Spot Noise)
- RSSPECAN_ATTR_PHASE_DISCRETE_JITTER_RESULT (Phase Discrete Jitter Result)
- RSSPECAN_ATTR_PHASE_RANDOM_JITTER_RESULT (Phase Random Jitter Result)
- RSSPECAN_ATTR_PHASE_RANGE_RESIDUAL_IPN (Phase Integrated Phase Noise)
- RSSPECAN_ATTR_PHASE_RANGE_RESIDUAL_FM (Phase Residual FM)
- RSSPECAN_ATTR_PHASE_RANGE_RESIDUAL_RMS_JITTER (Phase Residual RMS Jitter)
- RSSPECAN_ATTR_PHASE_RANGE_RESIDUAL_PM (Phase Residual PM)
- RSSPECAN_ATTR_VSA_BURST_LENGTH (VSA Burst Length)
- RSSPECAN_ATTR_DOCSIS_CHANNEL_ESTIMATION (DOCSIS Channel Estimation)
- RSSPECAN_ATTR_DOCSIS_BITSTREAM_DECODED (DOCSIS Bitstream Decoded)
- RSSPECAN_ATTR_DOCSIS_EVALUATION_SPECIFIED_FRAME_STATE (DOCSIS Evaluation Range Specified Frame State)
- RSSPECAN_ATTR_DOCSIS_EVALUATION_SELECTED_FRAME (DOCSIS Evaluation Range Selected Frame)
- RSSPECAN_ATTR_DOCSIS_EVALUATION_FRAME_STATISTIC_COUNT_STATE (DOCSIS Evaluation Range Frame Statistic Count State)
- RSSPECAN_ATTR_DOCSIS_EVALUATION_NUMBER_OF_FRAME (DOCSIS Evaluation Range Number Of Frame)
- RSSPECAN_ATTR_DOCSIS_EVALUATION_CONSTELLATION_MODULATION (DOCSIS Evaluation Range Constellation Modulation)
- RSSPECAN_ATTR_DOCSIS_EVALUATION_CONSTELLATION_OBJECT (DOCSIS Evaluation Range Constellation Object)
- RSSPECAN_ATTR_DOCSIS_BITSTREAM_FORMAT (DOCSIS Bitsream Format)
- RSSPECAN_ATTR_DOCSIS_BITSTREAM_LAYOUT (DOCSIS Bitsream Layout)
- RSSPECAN_ATTR_DOCSIS_FETCH_ZBIT_AVERAGE (DOCSIS Fetch Zero Bit Average)
- RSSPECAN_ATTR_DOCSIS_FETCH_ZBIT_MAXIMUM (DOCSIS Fetch Zero Bit Maximum)

 - RSSPECAN_ATTR_DOCSIS_FETCH_ZBIT_MINIMUM (DOCSIS Fetch Zero Bit Minimum)
 - RSSPECAN_ATTR_DOCSIS_FETCH_FRAME_COUNT (DOCSIS Fetch Frame Count)
 - RSSPECAN_ATTR_DOCSIS_FETCH_FRAME_COUNT_ALL (DOCSIS Fetch Frame Count All)
 - RSSPECAN_ATTR_LOGGING (Logging)

 * Modified attributes:
 - RSSPECAN_ATTR_PRESET_OPERATING_MODE (Preset Operating Mode) - PNO added.
 - RSSPECAN_ATTR_TRIGGER_SOURCE (Trigger Source) - EXT4 added.
 - RSSPECAN_ATTR_EXTERNAL_GATE_SIGNAL_SOURCE (External Gate Signal Source) - EXT4 added
 - RSSPECAN_ATTR_HCOPY_PRINT (Hcopy Print) - Command modified, *WAI before command.
 - RSSPECAN_ATTR_SERVICE_STEST (Self Test) - *OPC added
 - RSSPECAN_ATTR_PHASE_TRACE_LABEL_ENABLED (Phase Trace Label State) - Added Window repeated capability.
 - RSSPECAN_ATTR_PHASE_TRACE_LABEL (Phase Trace Label) - Added Window repeated capability.
 - RSSPECAN_ATTR_PHASE_TRACE_DISPLAYED_RESULT (Phase Trace Displayed Result) - Added Window repeated capability.

 * Modified Repeated Capabilities:
 - Snoise - Identifiers ("SN1,SN2,SN3,SN4,SN5,SN6", "SN1,SN2,SN3,SN4,SN5")
 - Snoise - Command Values ("1,2,3,4,5,6", "1,2,3,4,5")

 * Modified Range Tables:
 - rsspecan_rngExtGateSource - RSSPECAN_ATTR_EXTERNAL_GATE_SIGNAL_SOURCE
                              New items: RSSPECAN_VAL_EGAT_SOUR_EXT4
 - rsspecan_rngTriggerSource - RSSPECAN_ATTR_TRIGGER_SOURCE
                              New items: RSSPECAN_VAL_TRG_EXT4
 - rsspecan_rngPresetOperatingMode - RSSPECAN_ATTR_PRESET_OPERATING_MODE
                              New items: RSSPECAN_VAL_PRESET_PNO
 - rsspecan_rngLayoutQueryWindowType - RSSPECAN_ATTR_LAYOUT_WINDOW_RANGE
                              New items:
RSSPECAN_VAL_LAYOUT_TYPE_ADEM_RF_TIME_DOMAIN,
RSSPECAN_VAL_LAYOUT_TYPE_ADEM_AM_TIME_DOMAIN,
RSSPECAN_VAL_LAYOUT_TYPE_ADEM_AM_SPECTRUM,
RSSPECAN_VAL_LAYOUT_TYPE_ADEM_FM_TIME_DOMAIN,
RSSPECAN_VAL_LAYOUT_TYPE_ADEM_FM_SPECTRUM,
RSSPECAN_VAL_LAYOUT_TYPE_ADEM_PM_TIME_DOMAIN,
RSSPECAN_VAL_LAYOUT_TYPE_ADEM_PM_SPECTRUM,
RSSPECAN_VAL_LAYOUT_TYPE_ADEM_RF_SPECTRUM
 - rsspecan_rngTraceResultType -
                              New items: RSSPECAN_VAL_TRACE_RESULT_XGAIN
 - rsspecan_rngStatusRegister -
                              New items: RSSPECAN_VAL_STAT_REG_POW_DCPN,
RSSPECAN_VAL_STAT_REG_PNOISE
 - rsspecan_rngRFInputEnabled - RSSPECAN_ATTR_RF_INPUT
                              New items: RSSPECAN_VAL_RF_INPUT_ABB
 - RsSpecAn_rngIQFFTWindowType.RSSPECAN_VAL_IQ_WIN_TYPE_BLACK -
RSSPECAN_ATTR_IQ_FFT_WINDOW_TYPE
                              Command changed ("BLAC", "BLACK")
 - RsSpecAn_rngIQFFTWindowType.RSSPECAN_VAL_IQ_WIN_TYPE_BLACK -
RSSPECAN_ATTR_IQ_FFT_WINDOW_TYPE
                              Help changed ("Blackman-Harris", "Balckman-Harris")
 - rsspecan_rngDOCSISLayoutType -
                              New items: RSSPECAN_VAL_LAYOUT_TYPE_BITS,
RSSPECAN_VAL_LAYOUT_TYPE_SCS

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* Support for FSW 2.20
* New subsystems:
- DOCSIS 3.1 OFDM Downstream Measurements (K192)
* Added Sub Block repeated capability to Spectrum Emission Mask Measurement

* New in Base system
- rsspecan_ClearRemoteErrors
- rsspecan_DisplayRemoteErrors
- rsspecan_QueryRemoteErrors
- rsspecan_ConfigureDirectPath
- rsspecan_ConfigureB2000State
- rsspecan_ConfigureOscilloscopeDisplayUpdate
- rsspecan_ConfigureOscilloscopeTCPIPAddress
- rsspecan_QueryOscilloscopeLANConnectionState
- rsspecan_QueryOscilloscopeInfo
- rsspecan_OscilloscopeAlignment
- rsspecan_QueryOscilloscopeAlignmentDate
- rsspecan_ConfigureIFPowerTriggerCoupling
- rsspecan_ConfigureSEDetail
- rsspecan_ConfigureMarkerInfo
- rsspecan_ConfigureSEMSubBlockCount
- rsspecan_ConfigureSEMSubBlockCenterFrequency
- rsspecan_ConfigureSEMRangeMinimumSweepPoints
- rsspecan_ConfigureSEMRangeMultiLimitCalc
- rsspecan_ConfigureSEMMSRAdditionalSettings

* Updated in Base system
- rsspecan_ConfigureRFInputState - added 'I/Q Data File' as Source value
- rsspecan_FetchYTrace - parameter Window used
- rsspecan_ReadYTrace - parameter Window used
- rsspecan_ReadYTracePrevious - parameter Window used
- rsspecan_FetchXTrace - added Window parameter
- rsspecan_ConfigureTrace - parameter Window used
- rsspecan_StoreTraceToFile - parameter Window used
- rsspecan_GetTransducerFactorCatalog - help updated
- rsspecan_ConfTransducerFactor - parameter Display State updated
- rsspecan_FileManagerOperations - removed 'Delete Immediate' and 'Format Disk' from Operation
- rsspecan_ConfigureSignalStatisticGate - removed repeated capability at 'Period' parameter
- rsspecan_ConfigureReferenceOscillator - 'External Frequency' is only for FSV/FSVR instruments
- rsspecan_ConfigureMarkerPeakListState - alternative attribute with the same SCPI command used
- rsspecan_ConfigureCalibrationFreqMW - instrument model checking updated
- rsspecan_DisplaySetActiveWindow - instrument model checking updated
- rsspecan_HardcopyPrint - removed 'Trace' from Item parameter

* New in Phase Noise (K40)
- rsspecan_ConfigurePhaseSpotNoiseTraceSelection

* New in LTE (K10x)
- rsspecan_ConfigureLTEDownlinkNumberOfDevices
- rsspecan_LTEDownlinkAddWindow
- rsspecan_LTEDownlinkReplaceWindow
- rsspecan_ConfigureLTEUplinkCarrierAggregation
- rsspecan_LTEUplinkAddWindow
- rsspecan_LTEUplinkReplaceWindow

- rsspecan_QueryLTEUplinkMeasurementTimeAlignmentError

 * Updated in LTE (K10x)
 - rsspecan_ConfigureLTEDownlinkMeasurement - added 'Multi-Carrier SEM' as Measurement value
 - rsspecan_QueryLTEDownlinkMeasurementResultSummary - added 'EVM PDSCH 256QAM' as Frame Result value
 - rsspecan_ConfigureLTEUplinkSignalCharacteristics - added Component Carrier repeated capability to Frequency and Cyclic Prefix
 - rsspecan_ConfigureLTEUplinkTDDFrames - added Component Carrier repeated capability
 - rsspecan_ConfigureLTEUplinkPhysicalLayerCellIdentity - added Component Carrier repeated capability
 - rsspecan_ConfigureLTEUplinkMIMO - added Component Carrier repeated capability
 - rsspecan_ConfigureLTEUplinkConfigurableSubframes - added Component Carrier parameter
 - rsspecan_ConfigureLTEUplinkSubframeTable - added Component Carrier parameter
 - rsspecan_ConfigureLTEUplinkReferenceSignal - added Component Carrier parameter
 - rsspecan_ConfigureLTEUplinkPUSCHStructure - added Component Carrier parameter
 - rsspecan_ConfigureLTEUplinkMeasurement - added 'Time Alignment Error', 'Transmit On/Off Power', 'Multicarrier ACLR', 'Multi-Carrier SEM'
 - rsspecan_QueryLTEUplinkMeasurementEVMAll - added Component Carrier repeated capability
 - rsspecan_QueryLTEUplinkMeasurementEVMPhysicalChannel - added Component Carrier repeated capability
 - rsspecan_QueryLTEUplinkMeasurementEVMPhysicalSignal - added Component Carrier repeated capability
 - rsspecan_QueryLTEUplinkMeasurementFrequencyError - added Component Carrier repeated capability
 - rsspecan_QueryLTEUplinkMeasurementSamplingError - added Component Carrier repeated capability
 - rsspecan_QueryLTEUplinkMeasurementIQOffset - added Component Carrier repeated capability
 - rsspecan_QueryLTEUplinkMeasurementIQGainImbalance - added Component Carrier repeated capability
 - rsspecan_QueryLTEUplinkMeasurementIQQuadratureError - added Component Carrier repeated capability
 - rsspecan_QueryLTEUplinkMeasurementFramePower - added Component Carrier repeated capability
 - rsspecan_QueryLTEUplinkMeasurementCrestFactor - added Component Carrier repeated capability

 * New for WCDMA (K72)
 - rsspecan_WCDMATAELoadDefaultCarrierTable
 - rsspecan_WCDMATAECarrierTableOperations
 - rsspecan_GetWCDMATAECarrierTableCatalog
 - rsspecan_GetWCDMATAENumberOfCarriers
 - rsspecan_WCDMATAECarrierOperations
 - rsspecan_ConfigureWCDMATAECarrierTable

 * New for GSM (K10)
 - rsspecan_AddGSMK10Window
 - rsspecan_ReplaceGSMK10Window
 - rsspecan_FetchGSMMCWNNarrowbandResults
 - rsspecan_FetchGSMMCWNWidebandNoiseResults

 * Updated in GSM (K10)
 - rsspecan_ConfigureGSMK10MaximumOutputPowerPerCarrier - parameter 'Value' data type changed from ViInt32 to ViReal64

* New for Transient Analysis (K60)
- rsspecan_ConfigureTransientAnalysisHopResultTablePhase
- rsspecan_ConfigureTransientAnalysisChirpResultTablePhase
- rsspecan_ConfigureTransientAnalysisParameterDistributionHopPhase
- rsspecan_ConfigureTransientAnalysisParameterDistributionChirpPhase
- rsspecan_ConfigureTransientAnalysisParameterTrendHopPhase
- rsspecan_ConfigureTransientAnalysisParameterTrendHopPhaseAxis
- rsspecan_ConfigureTransientAnalysisParameterTrendChirpPhase
- rsspecan_ConfigureTransientAnalysisParameterTrendChirpPhaseAxis
- rsspecan_QueryTransientAnalysisHopResultPhase
- rsspecan_QueryTransientAnalysisChirpResultPhase

* Updated for Transient Analysis (K60)
- rsspecan_TransientAnalysisAddWindow
- rsspecan_TransientAnalysisReplaceWindow
- rsspecan_QueryTransientAnalysisHopResultFrequency
- rsspecan_QueryTransientAnalysisHopResultTiming
- rsspecan_QueryTransientAnalysisHopResultPower
- rsspecan_QueryTransientAnalysisHopResultState
- rsspecan_QueryTransientAnalysisHopResultAdditionalState
- rsspecan_QueryTransientAnalysisHopResultTable
- rsspecan_QueryTransientAnalysisChirpResultFrequency
- rsspecan_QueryTransientAnalysisChirpResultTiming
- rsspecan_QueryTransientAnalysisChirpResultPower
- rsspecan_QueryTransientAnalysisChirpResultState
- rsspecan_QueryTransientAnalysisChirpResultAdditionalState
- rsspecan_QueryTransientAnalysisChirpResultTable

* New for VSA (K70)
- rsspecan_AddVSAWindow
- rsspecan_ReplaceVSAWindow

* Updated for VSA (K70)
- rsspecan_ConfigureVSATraceEval

* New for WLAN (K91)
- rsspecan_ConfWLANMIMOReferenceFrequencyCoupling
  RSSPECAN_ATTR_WLAN_REFERENCE_FREQUENCY_COUPLING
- rsspecan_SelectWlanIQMeasurement
  RSSPECAN_ATTR_WLAN_GAIN_IMBALANCE_VS_CARRIER
  RSSPECAN_ATTR_WLAN_PHASE_TRACKING_VS_SYMBOL
  RSSPECAN_ATTR_WLAN_QUADRATURE_ERROR_VS_CARRIER
- rsspecan_FetchWlanStreamBurstError
- rsspecan_FetchWlanStreamBurstPower

* Updated for WLAN (K91)
- rsspecan_ConfigureWlanResultSummaryDisplay

* New for Pulse measurement (K6S)
- rsspecan_ConfigurePulseResultParameterDistributionTimeSidelobe
- rsspecan_ConfigurePulseMarkerLinkTrendM1ToSelectedPulse
  RSSPECAN_ATTR_PULSE_LINK_TREND_M1_TO_SELECTED_PULSE
- rsspecan_ConfigurePulseResultParameterSpectrumTimeSidelobe
  RSSPECAN_ATTR_PULSE_PARAMETER_SPECTRUM_TIME_SIDELOBE
- rsspecan_ConfigurePulseResultTableTimeSidelobeLimitCheckAll
  RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_LIMIT_ALL_ENABLED
- rsspecan_ConfigurePulseResultTableTimeSidelobe
  RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_ALL

RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_PEAK_TO_SIDELOBE_LEVEL

RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_INTEGRATED_SIDELOBE_LEVEL
RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_COMPRESSION_RATIO

RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_INTEGRATED_MAINLOBE_POWER

RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_AVERAGE_MAINLOBE_POWER
RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_PEAK_CORRELATION
RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_MAINLOBE_PHASE
- rsspecan_ConfigurePulseResultTableTimeSidelobeLimit

RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_LIMIT_PEAK_TO_SIDELOBE_LEVEL_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_LIMIT_INTEGRATED_SIDELOBE_LEVEL_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_LIMIT_MAINLOBE_3DB_WIDTH_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_LIMIT_SIDELOBE_DELAY_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_LIMIT_COMPRESSION_RATIO_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_LIMIT_INTEGRATED_MAINLOBE_POWER_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_LIMIT_AVERAGE_MAINLOBE_POWER_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_LIMIT_PEAK_CORRELATION_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_LIMIT_MAINLOBE_PHASE_ENABLED

RSSPECAN_ATTR_PULSE_RESULT_TABLE_TIME_SIDELOBE_LIMIT_MAINLOBE_FREQUENCY_ENABLED
- rsspecan_ConfigurePulseResultParameterTrendTimeSidelobe
RSSPECAN_ATTR_PULSE_RESULT_PARAMETER_TREND_TIME_SIDELOBE_X_AXIS
RSSPECAN_ATTR_PULSE_RESULT_PARAMETER_TREND_TIME_SIDELOBE_Y_AXIS
- rsspecan_ConfigurePulseMesurementTraceNormalization
RSSPECAN_ATTR_PULSE_TRACE_NORMALIZATION
- rsspecan_ConfigurePulsePhaseNormalization
RSSPECAN_ATTR_PULSE_RESULT_PHASE_NORMALIZATION
- rsspecan_ConfigurePulseUserDefinedReferenceIQFile
RSSPECAN_ATTR_PULSE_REFERENCE_IQ_TYPE
RSSPECAN_ATTR_PULSE_REFERENCE_IQ_INPUT_FILE
- rsspecan_ConfigurePulseUserDefinedReferenceIQFileRange
RSSPECAN_ATTR_PULSE_REFERENCE_IQ_RANGE_AUTO
RSSPECAN_ATTR_PULSE_REFERENCE_IQ_RANGE_OFFSET
RSSPECAN_ATTR_PULSE_REFERENCE_IQ_RANGE_LENGTH

- rsspecan_ConfigurePulseMeasurementFMVideoBandwidth
  RSSPECAN_ATTR_PULSE_FM_VIDEO_BANDWIDTH
- rsspecan_QueryPulseResultTimeSidelobe
- rsspecan_QueryPulseResultLimitTimeSidelobe
- rsspecan_ConfigurePulseReferenceForPulsePulseMeasurement
  RSSPECAN_ATTR_PULSE_REFERENCE_PULSE_PULSE_MEASUREMENTS_MODE
  RSSPECAN_ATTR_PULSE_REFERENCE_PULSE_PULSE_MEASUREMENTS_VALUE
- rsspecan_ConfigurePulseTimeSidelobeRange
  RSSPECAN_ATTR_PULSE_TIME_SIDELOBE_RANGE
  RSSPECAN_ATTR_PULSE_TIME_SIDELOBE_ALIGNMENT
  RSSPECAN_ATTR_PULSE_TIME_SIDELOBE_LENGTH
- rsspecan_ConfigurePulseTimeSidelobeKeepOutTime
  RSSPECAN_ATTR_PULSE_TIME_SIDELOBE_KEEP_OUT_TIME
  RSSPECAN_ATTR_PULSE_TIME_SIDELOBE_KEEP_OUT_TIME_LENGTH
- rsspecan_PulseMeasurementAddWindow
- rsspecan_PulseMeasurementReplaceWindow

 * Updated for Pulse Measurement (K6S)
- rsspecan_ConfigurePulseSignalModel
- rsspecan_ConfigurePulseMeasPoint
- rsspecan_ConfigurePulseTopLevel
- rsspecan_ConfigurePulseResultReferencePoint
- rsspecan_QueryPulseResultFrequency - 'Result Type' parameter updated
- rsspecan_QueryPulseResultPhase - 'Result Type' parameter updated
- rsspecan_QueryPulseResultTiming - 'Result Type' parameter updated
- rsspecan_QueryPulseResultPower - 'Result Type' parameter updated
- rsspecan_QueryPulseIDs - parameter 'Pulse IDs' data type changed from array of ViInt32 to array of ViReal64
- rsspecan_QueryPulseNumbers - parameter 'Pulse Numbers' data type changed from array of ViInt32 to array of ViReal64

 * New for Amplifier - K18:
- rsspecan_ConfigureAmplifierReferenceSignalWaveformFileTransfer

RSSPECAN_ATTR_AMPLIFIER_REFERENCE_SIGNAL_WAVEFORM_FILE_EXPORT_TO_GENERATOR_ENABLED

RSSPECAN_ATTR_AMPLIFIER_REFERENCE_SIGNAL_WAVEFORM_FILE_DUT_PEAK_INPUT_POWER
- rsspecan_ConfigureAmplifierReferenceSignalWaveformFileSegment
  RSSPECAN_ATTR_AMPLIFIER_REFERENCE_SIGNAL_WAVEFORM_FILE_SEGMENT
- rsspecan_ConfigureAmplifierGeneratorLevelOffset
  RSSPECAN_ATTR_AMPLIFIER_GENERATOR_LEVEL_OFFSET
- rsspecan_ConfigureAmplifierGeneratorSegment
  RSSPECAN_ATTR_AMPLIFIER_GENERATOR_SEGMENT
- rsspecan_ConfigureAmplifierSynchronizationState
  RSSPECAN_ATTR_AMPLIFIER_SYNCHRONIZATION_ENABLED
- rsspecan_ConfigureAmplifierSynchronizationConfidenceLevel
  RSSPECAN_ATTR_AMPLIFIER_SYNCHRONIZATION_CONFIDENCE_LEVEL
- rsspecan_ConfigureAmplifierEstimationRange
  RSSPECAN_ATTR_AMPLIFIER_ESTIMATION_USE_FULL_REF_SIGNAL_ENABLED
  RSSPECAN_ATTR_AMPLIFIER_ESTIMATION_RANGE_START
  RSSPECAN_ATTR_AMPLIFIER_ESTIMATION_RANGE_STOP
- rsspecan_QueryAmplifierSynchronizationState
  RSSPECAN_ATTR_AMPLIFIER_SYNCHRONIZATION_STATE
- rsspecan_ConfigureAmplifierEvaluationRange
  RSSPECAN_ATTR_AMPLIFIER_EVALUATION_USE_FULL_REF_SIGNAL_ENABLED
  RSSPECAN_ATTR_AMPLIFIER_EVALUATION_RANGE_START
  RSSPECAN_ATTR_AMPLIFIER_EVALUATION_RANGE_STOP

- rsspecan_ConfigureAmplifierSystemModelSequence
  RSSPECAN_ATTR_AMPLIFIER_MODELING_SEQUENCE
- rsspecan_ConfigureDPDPowerLinearityTradeoff
  RSSPECAN_ATTR_AMPLIFIER_DPD_TRADEOFF
- rsspecan_ConfigureAmplifierPowerEvaluateOnlyDUTPower

RSSPECAN_ATTR_AMPLIFIER_POWER_CALCULATE_OUTPUT_POWER_ONLY_ENABLED
- rsspecan_ConfigureAmplifierPowerCompressionPointCalculation

RSSPECAN_ATTR_AMPLIFIER_POWER_COMPRESSION_POINT_CALCULATION_ENABLED
  RSSPECAN_ATTR_AMPLIFIER_POWER_COMPRESSION_POINT_CALCULATION
- rsspecan_ConfigureAmplifierParameterSweepState
  RSSPECAN_ATTR_AMPLIFIER_PARAMETER_SWEEP_ENABLED
- rsspecan_ConfigureAmplifierParameterSweepXAxis
  RSSPECAN_ATTR_AMPLIFIER_PARAMETER_SWEEP_X_AXIS_SETTING
  RSSPECAN_ATTR_AMPLIFIER_PARAMETER_SWEEP_X_AXIS_START
  RSSPECAN_ATTR_AMPLIFIER_PARAMETER_SWEEP_X_AXIS_STOP
  RSSPECAN_ATTR_AMPLIFIER_PARAMETER_SWEEP_X_AXIS_STEP
- rsspecan_ConfigureAmplifierParameterSweepYAxisState
  RSSPECAN_ATTR_AMPLIFIER_PARAMETER_SWEEP_Y_AXIS_ENABLED
- rsspecan_ConfigureAmplifierParameterSweepYAxis
  RSSPECAN_ATTR_AMPLIFIER_PARAMETER_SWEEP_Y_AXIS_SETTING
  RSSPECAN_ATTR_AMPLIFIER_PARAMETER_SWEEP_Y_AXIS_START
  RSSPECAN_ATTR_AMPLIFIER_PARAMETER_SWEEP_Y_AXIS_STOP
  RSSPECAN_ATTR_AMPLIFIER_PARAMETER_SWEEP_Y_AXIS_STEP
- rsspecan_ConfigureAmplifierParameterSweepAdjustLevel

RSSPECAN_ATTR_AMPLIFIER_PARAMETER_SWEEP_SYNCHRONIZING_LEVELS_ENABLED
  RSSPECAN_ATTR_AMPLIFIER_PARAMETER_SWEEP_EXPECTED_GAIN
- rsspecan_ConfigureAmplifierResultParameterSweepTable
- rsspecan_ConfigureAmplifierResultParameterSweepDisplay
  RSSPECAN_ATTR_AMPLIFIER_PARAMETERS_SWEEP_RESULT_TYPE
- rsspecan_GetAmplifierParameterSweepTableResults
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_MAXIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_MINIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_LOWER_MAXIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_LOWER_MINIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_UPPER_MAXIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_UPPER_MINIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_AMAM_CURVE_WIDTH_MAXIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_AMAM_CURVE_WIDTH_MINIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_CREST_FACTOR_MAXIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_CREST_FACTOR_MINIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_EVM_MAXIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_EVM_MINIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_GAIN_MAXIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_GAIN_MINIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_ICC_MAXIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_ICC_MINIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_VCC_MAXIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_VCC_MINIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_BB_POWER_MAXIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_BB_POWER_MINIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_PAE_MAXIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_PAE_MINIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_AMPM_CURVE_WIDTH_MAXIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_AMPM_CURVE_WIDTH_MINIMUM
  RSSPECAN_ATTR_AMPLIFIER_PTABLE_RMS_POWER_MAXIMUM

RSSPECAN_ATTR_AMPLIFIER_PTABLE_RMS_POWER_MINIMUM
- rsspecan_GetAmplifierParameterSweepTableResultsPosition
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_X_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_X_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_Y_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_Y_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_LOWER_X_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_LOWER_X_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_LOWER_Y_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_LOWER_Y_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_UPPER_X_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_UPPER_X_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_UPPER_Y_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ACP_UPPER_Y_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_AMAM_CURVE_WIDTH_X_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_AMAM_CURVE_WIDTH_X_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_AMAM_CURVE_WIDTH_Y_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_AMAM_CURVE_WIDTH_Y_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_CREST_FACTOR_X_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_CREST_FACTOR_X_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_CREST_FACTOR_Y_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_CREST_FACTOR_Y_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_EVM_X_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_EVM_X_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_EVM_Y_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_EVM_Y_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_GAIN_X_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_GAIN_X-MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_GAIN_Y_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_GAIN_Y-MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ICC_X_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ICC_X_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ICC_Y_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_ICC_Y_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_VCC_X_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_VCC_X_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_VCC_Y_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_VCC_Y_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_BB_POWER_X_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_BB_POWER_X_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_BB_POWER_Y_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_BB_POWER_Y_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_PAE_X_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_PAE_X_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_PAE_Y_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_PAE_Y_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_AMPM_CURVE_WIDTH_X_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_AMPM_CURVE_WIDTH_X_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_AMPM_CURVE_WIDTH_Y_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_AMPM_CURVE_WIDTH_Y_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_RMS_POWER_X_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_RMS_POWER_X_MINIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_RMS_POWER_Y_MAXIMUM
RSSPECAN_ATTR_AMPLIFIER_PTABLE_RMS_POWER_Y_MINIMUM
- rsspecan_GetAmplifierGeneralNumericResults
RSSPECAN_ATTR_AMPLIFIER_TRIGGERR_TO_FRAME

* Updated for Amplifier - K18
- rsspecan_GetAmplifierGeneratorSetupLedState
New RSSPECAN_ATTR_AMPLIFIER_GENERATOR_LEVEL_OFFSET_STATE

New RSSPECAN_ATTR_AMPLIFIER_GENERATOR_SEGMENT_STATE
- rsspecan_ConfigureAmplifierSystemModelSettings - at parameters 'Modeling Order AMPM'
and 'Modeling Order AMAM'data type changed from ViInt32 to ViString
- rsspecan_ConfigureAmplifierDPDShaping
New RSSPECAN_ATTR_AMPLIFIER_DPD_SEQUENCE, deprecated
RSSPECAN_ATTR_AMPLIFIER_DPD_MODELING_ORDER
- rsspecan_AmplifierAddWindow
- rsspecan_AmplifierReplaceWindow
- rsspecan_ConfigureAmplifierResultSummaryDisplay
- rsspecan_GetAmplifierPowerResults
new: RSSPECAN_ATTR_AMPLIFIER_COMPRESSION_POINT_1DB_CURRENT,
    RSSPECAN_ATTR_AMPLIFIER_COMPRESSION_POINT_2DB_CURRENT,
    RSSPECAN_ATTR_AMPLIFIER_COMPRESSION_POINT_3DB_CURRENT

* Removed:
- rsspecan_ConfigureSEMTransition
- rsspecan_GetSelectedSubwindow
- rsspecan_QueryFrontendTemperature
- rsspecan_QueryActiveMeasurementWindow

4.19 Version 3.3.1 / 2015 - 01

* Updated:
- rsspecan_GetVSAResult - added Window parameter

4.20 Version 3.3.0 / 2014 - 11

* Support for FSW 2.10
* Added MATLAB custom driver
        * Added MATLAB snippet codes to functions and attributes help file
* New Subsystems
- Amplifier Measurements (K18)
- Transient Analysis (K60) - Parameter Distribution, Parameter Trend
* New:
- rsspecan_ConfigureSweepDuration
- rsspecan_ConfigureWidebandCalibraitonFrequency
- rsspecan_ConfigureMSRSymmetricalAdjacentSetup
- rsspecan_ConfigureMSRUpperChannelName
- rsspecan_ConfigureMSRActivateGaps
- rsspecan_QueryMSRMeasurementPowerResult
- rsspecan_ConfigureMSRGapSize
- rsspecan_ConfigureMSRUpperAdjChannel
- rsspecan_ConfigureMSRUpperAlternateChannel
- rsspecan_ConfigureAnalogBasebandHighAccuracyTiming
- rsspecan_ConfigureAnalogBasebandProbeCommonModeOffset
- rsspecan_ConfigureAnalogBasebandDCOffse
- rsspecan_ConfigureADemodRelativeUnit
- rsspecan_ConfigureADemodDetectorMode
- rsspecan_ConfigureADemodDetectorState
- rsspecan_ConfigureADemodDetectorReference
- rsspecan_ConfigureADemodDetectorMeasToRef
- rsspecan_GetADemodMarkerModulationRelativeValue
- rsspecan_ConfigureNoiseENRNoiseSource
- rsspecan_ConfigureNoiseENRResistorTemperatures

- rsspecan_ConfigureNoiseENRCalibrationNoiseSource
- rsspecan_ConfigureNoiseENRCalibrationResistorTemperatures
- rsspecan_ConfigureNoiseENRTemperatureTable
- rsspecan_DeleteNoiseENRTemperatureTable
- rsspecan_QueryNoiseENRTemperatureTableList
- rsspecan_QueryNoiseDeltaMarkerAmplitude
- rsspecan_ConfigureNoiseTemperatureUncertainty
- rsspecan_ConfigureNoiseTemperatureUncertaintyCalibration
- rsspecan_NoiseAddWindow
- rsspecan_NoiseReplaceWindow
- rsspecan_ConfigureNoisePowerMeasurement
- rsspecan_ConfigureDecimation
- rsspecan_ConfigurePhaseOnlineIQ
- rsspecan_GetTransientAnalysisNumberOfStates
- rsspecan_TransientAnalysisSignalStateTableOperation
- rsspecan_GetTransientAnalysisGeneratedHopStatesParameters
- rsspecan_AddTransientAnalysisHopStates
- rsspecan_ReplaceTransientAnalysisHopStates
- rsspecan_ApplyTransientAnalysisHopStatesGlobalValues
- rsspecan_TransientAnalysisAddWindow
- rsspecan_TransientAnalysisReplaceWindow
- rsspecan_ConfigureTransientAnalysisHopResultTableFrequency
- rsspecan_ConfigureTransientAnalysisHopResultTablePower
- rsspecan_ConfigureTransientAnalysisHopResultTableState
- rsspecan_ConfigureTransientAnalysisHopResultTableTiming
- rsspecan_ConfigureTransientAnalysisChirpResultTableFrequency
- rsspecan_ConfigureTransientAnalysisChirpResultTablePower
- rsspecan_ConfigureTransientAnalysisChirpResultTableState
- rsspecan_ConfigureTransientAnalysisChirpResultTableTiming
- rsspecan_QueryTransientAnalysisHopResultAdditionalState
- RSSPECAN_ATTR_LTE_DOWNLINK_HOME_AREA_BASESTATION_POWER_AUTO
* Updated:
- rsspecan_ConfigureCalibrationSignal
- rsspecan_QueryNoiseMarkerAmplitude
- rsspecan_ConfigureTransientAnalysisHopResultTable
- rsspecan_ConfigureTransientAnalysisChirpResultTable
- rsspecan_QueryTransientAnalysisHopResultFrequency
- rsspecan_QueryTransientAnalysisHopResultPower
- rsspecan_QueryTransientAnalysisHopResultState
- rsspecan_QueryTransientAnalysisChirpResultPower
- rsspecan_ConfigureLTEDownlinkMIMO
- rsspecan_ConfigureLTEDownlinkFrequencySweepMeasurements
- rsspecan_ConfigureVSAModulationSettings

4.21 Version 3.2.0 / 2014 - 08

* Support for FSV 2.30
* Updated:
- rsspecan_ConfWlanTrigger
- RSSPECAN_ATTR_WLAN_TRIG_MODE
- rsspecan_TDSBSChannelTableOperations ... bug fixed
- RSSPECAN_ATTR_AMPL_EATT_VALUE ... range table changed
- rsspecan_ConfigureLTEUplinkMIMO ... bug in help fixed
- rsspecan_ConfigureLTEUplinkDemodulation
- RSSPECAN_ATTR_LTE_UPLINK_ANALYSIS_MODE ... available for FSV and FSVR
- RSSPECAN_ATTR_BDO_PVT_BURST_FIT ... command changed
- RSSPECAN_ATTR_TRANSIENT_EVALUATION_BASIS ... removed Signal, added Chirp

and Hop
- rsspecan_QueryLTEDownlinkACPChannelLimitCheckResults ... removed All

4.22   Version 3.1.0 / 2014 - 07

* Support for FSW 2.0
* New Subsystems
- Transient Analysis (K60)
* New:
- rsspecan_QueryIFOutputSideband
  RSSPECAN_ATTR_IF_OUTPUT_SIDEBAND
- rsspecan_ConfigurePulseResultRangeSpectrum
  RSSPECAN_ATTR_PULSE_RESULT_RANGE_SPECTRUM_WINDOW_TYPE
  RSSPECAN_ATTR_PULSE_RESULT_RANGE_SPECTRUM_RBW_AUTO
  RSSPECAN_ATTR_PULSE_RESULT_RANGE_SPECTRUM_RBW
- rsspecan_ConfigurePulseFrequencyUnit
  RSSPECAN_ATTR_PULSE_RESULT_FREQUENCY_UNIT
- rsspecan_ConfigurePulseSegmentDataCapturingEnabled
  RSSPECAN_ATTR_PULSE_SEGMENTED_DATA_CAPTURING_ENABLED
- rsspecan_ConfigurePulseSegmentDataCapturing
  RSSPECAN_ATTR_PULSE_SEGMENTED_DATA_CAPTURING_EVENTS
  RSSPECAN_ATTR_PULSE_SEGMENTED_DATA_CAPTURING_LENGTH
  RSSPECAN_ATTR_PULSE_SEGMENTED_DATA_CAPTURING_OFFSET
- rsspecan_QueryPulseSegmentedDataCapturingBoundary
- rsspecan_QueryPulseSegmentedDataCapturingTimestamps
- rsspecan_QueryPulseSegmentedDataCapturingTrigger
- RSSPECAN_ATTR_LTE_DOWNLINK_MARKER_COUPLING
- RSSPECAN_ATTR_LTE_UPLINK_MARKER_COUPLING
- rsspecan_ConfigureLTEDownlinkEPDCCH
  RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_PRB_PAIRS
  RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_RELATIVE_POWER
  RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_LOCALIZED
  RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_SET_ID
  RSSPECAN_ATTR_LTE_DOWNLINK_EPDCCH_RB_ASSIGNMENT
- rsspecan_ConfigureLTEDownlinkMBSFN
  RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_ENABLED
  RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_RELATIVE_POWER
  RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_AREA_ID
  RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_NON_MBSF_REGION_LENGTH
- rsspecan_ConfigureLTEDownlinkMBSFNSubframe
  RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_SUBFRAME_ENABLED
  RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_SUBFRAME_PMCH_ENABLED
  RSSPECAN_ATTR_LTE_DOWNLINK_MBSFN_SUBFRAME_PMCH_MODULATION
- rsspecan_ConfigureLTEDownlinkNumberOfSubframesToAnalyze
  RSSPECAN_ATTR_LTE_DOWNLINK_ALL_SUBFRAMES_TO_ANALYZE
  RSSPECAN_ATTR_LTE_DOWNLINK_NUMBER_OF_SUBFRAMES_TO_ANALYZE
- rsspecan_ConfigureLTEUplinkCarrierAgregationBandwidth
  RSSPECAN_ATTR_LTE_UPLINK_CARRIERS_BANDWIDTHS
- rsspecan_ConfigureLTEUplinkCarrierConfiguration
  RSSPECAN_ATTR_LTE_UPLINK_CARRIER_FREQUENCY_CENTER
  RSSPECAN_ATTR_LTE_UPLINK_CARRIER_FREQUENCY_CENTER_OFFSET
  RSSPECAN_ATTR_LTE_UPLINK_CARRIER_CHANNEL_BANDWIDTH
- rsspecan_GetVSAXAxisLastValue
  RSSPECAN_ATTR_VSA_X_LAST_VALUE_QUERY
- rsspecan_GetVSAResultStart
  RSSPECAN_ATTR_VSA_CURRENT_RESULT_RANGE_START_VALUE
- rsspecan_Configure3GPPQPSKModulationOnly

RSSPECAN_ATTR_3GPP_QPSK_MODULATION_ONLY_ENABLED
- rsspecan_ConfigureLTEUplinkPUCCHResourceBlocksAuto
  RSSPECAN_ATTR_LTE_UPLINK_PUCCH_RESOURCE_BLOCKS_AUTO
- RSSPECAN_ATTR_WLAN_FETC_IQSK_MIN
- RSSPECAN_ATTR_WLAN_FETC_IQSK_MAX
- RSSPECAN_ATTR_WLAN_FETC_IQSK_AVERAGE

* Updated:
- rsspecan_ConfigureMSRPowerMeasurement
- rsspecan_ConfigureMSRGapLimitChecking
- rsspecan_AddWindow
- rsspecan_ReplaceWindow
- rsspecan_ConfigureLTEDownlinkPDSCHUsedAllocation
- rsspecan_ConfigureLTEDownlinkMeasurement
- rsspecan_ConfigureLTEUplinkSignalCharacteristics
- rsspecan_ConfigureWlanResultSummaryDisplay
- rsspecan_FetchWlanIQImp
- rsspecan_ConfigureIFOutput

4.23 Version 3.0.0 / 2014 - 06

* Removed support of older instruments. From now on, only FSW, FSV, FSVR
and FPS are supported
* Redesigned LTE - added carrier aggregation
* Removed parameter Window and Trace where applicable
* Added support for FSW 1.93 and FSV 2.20
Note: please note that some major changes in API might apply. For backward
compatibility older APIs are temporarily accessible, but will not be
updated. Old APIs shall be removed in near future.

About Rohde & Schwarz

Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in the fields of test and measurement, broadcasting, radiomonitoring and radiolocation, as well as secure communications. Established more than 80 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. Company headquarters are in Munich, Germany.

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