ROHDE&SCHWARZ
Make ideas real

R&S®FSW-B24U ENHANCED DYNAMIC FRONT END (EDFE)

Market-leading EVM performance in millimeter wave range

Ideal for

5G NR and IEEE WLAN	Component testing
OTA Measurements	R&D and verification labs

Key specifications	
5G Uplink (100 MHz) at 28 GHz	–49 dB EVM
5G Uplink (100 MHz) at 39 GHz	–48 dB EVM
Noise floor improvement	9 dB at 39 GHz
Linearity improvement	approx. 5 dB improved TOI

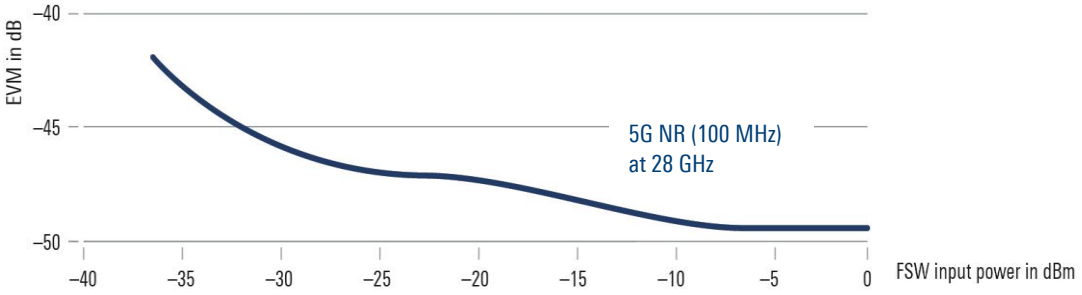
Error vector magnitude (EVM)

Error vector magnitude (EVM) is a main parameter for characterizing the modulation quality of a transmitter or receiver. The R&S®FSW has unrivaled EVM measurement accuracy for wideband modulated signals in the millimeter wave range.

- Excellent residual EVM possible across a wide range of power levels.
- Together with an enhanced microwave front end and a new pre-amplifier model, the R&S® FSW has a high signal-to-noise ratio and improved linearity for outstanding EVM performance.

Your benefit	Features
Enhanced pre-amplifier and microwave frontend design for the R&S®FSW43, R&S®FSW50 and R&S®FSW67	► Improved levelling capabilities and added flexibility with adaptable gain stages ► Noise or distortion enhancements for optimum EVM measurements ► Lowest and widest EVM bathtub curves

EVM curve for 5G NR UL signal at 28 GHz (100 MHz bandwidth, 64 QAM)



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