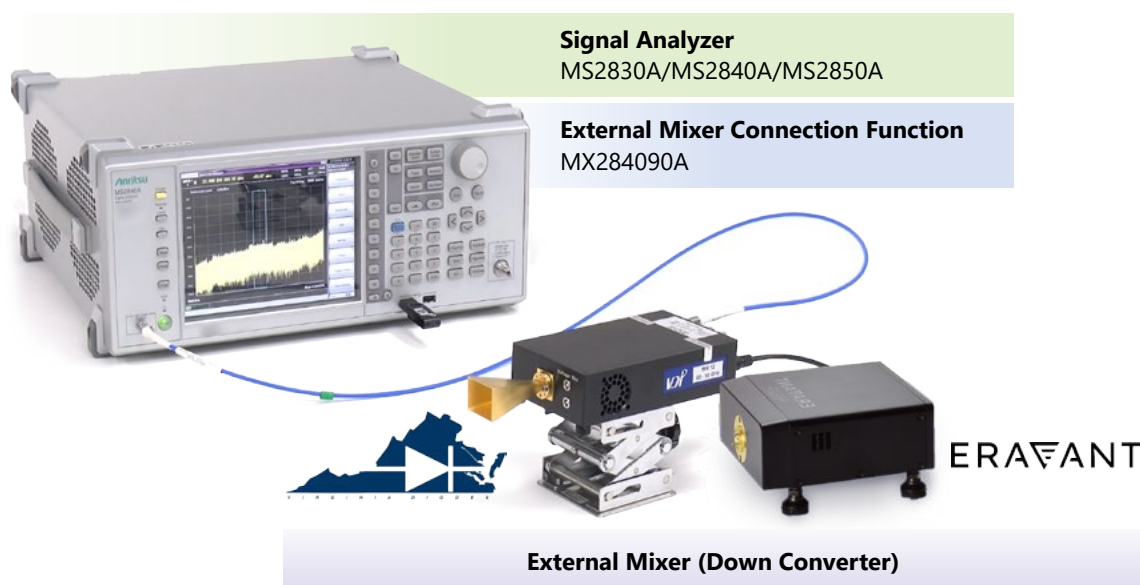




Expand Your Signal Analyzer to 325 GHz with Anritsu External Mixer Solutions

Anritsu	Signal Analyzer	MS2830A/MS2840A/MS2850A
Anritsu	External Mixer Connection Function	MX284090A
ERAVANT	Down Converter	
VDI	Down Converter	

Anritsu combines a Signal Analyzer and external mixer technology to deliver wide-frequency coverage, high dynamic range, and image-free measurements for next-generation mmWave applications.



Key Features

- Measure signals up to 325 GHz with a flexible external mixer architecture
- Analyze wideband signals with up to 7.5 GHz bandwidth
- Reduce system cost compared with dedicated high-frequency analyzers
- Easy integration with existing Signal Analyzer platforms

Challenges for mmWave Radar development

- Need to measure a 4 GHz bandwidth signal of mmWave Radar product.
- One-Box measurement equipment is extremely high priced.
- The risk of getting measurement error due to image response.

Customer Requirements

- Measure 4 GHz+ radar signals
- Extend measurements beyond analyzer native frequency range
- Reduce test investment
- Ensure accurate spectral analysis

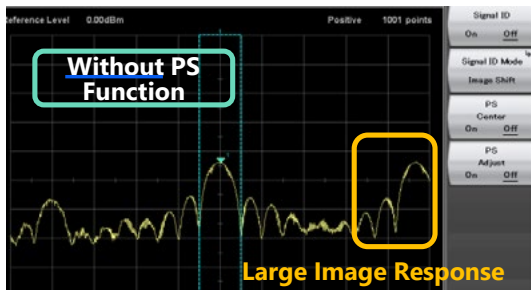
Image-Free Response Measurements up to 7.5 GHz Bandwidth with high IF frequency and PS Function*

Image-response-free measurement is supported across a wide bandwidth (up to 7.5 GHz) using both the Signal Analyzer MS2830A/MS2840A/MS2850A high IF (1.875 GHz) and Anritsu's proprietary PS (Polarity Swap) function.*

Time-varying signals can also be measured to obtain accurate spectrum information.

Chamber-less measurement eliminates the need for large anechoic chambers.

*: Anritsu patent



External Mixer Lineup

ERA^{EF}ANT



Model	Supported Frequency Range (GHz)
STC-N12-15-S1-IDP	50 75
STC-N15-12-S1-IDP	60 90
STC-N12-10-S1-IDP	75 110
STC-N18-08-S1-IDP	90 140
STC-N18-06-S1-IDP	110 170
STC-N20-05-S1-IDP	150 220



Model	Supported Frequency Range (GHz)
WR19SAX-Z-M	40 60
WR15SAX-Z-M	50 75
WR12SAX-Z-M	60 90
WR10SAX-Z-M	75 110
WR8.0SAX-Z-M	90 140
WR6.5SAX-Z-M	110 170
WR5.1SAX-Z-M	140 220
WR4.3SAX-Z-M	170 240
WR3.4SAX-Z-M	220 325



Learn more (Product page)



Millimeter Wave Test Solutions



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