
Agilent Technologies E4407S Option E57

Spectrum Analyzer System Manual Supplement

System Description

The E4407S Option E57 Spectrum Analyzer System consists of the E4407B Spectrum Analyzer with specific options, accessories and performance specifications per Navy RFP N00104-98-R-XA57.

System Contents

Model Number	Description	Quantity
E4407B	Spectrum Analyzer with standard accessories ^a	1
E4407B Option H57	Spectrum Analyzer configuration per Navy RFP N00104-98-R-XA57 which includes the following options and accessories: Options:	1
E4407B Option 1D5	High Stability Frequency Reference	1
E4407B Option 1DR	Narrow Resolution Bandwidths	1
E4407B Option A4H	GPIB and Parallel Interface	1
E4407B Option AYY	Fast Digitized Time Domain Sweeps	1
E4407B Option BAA	FM Demodulation	1
E4407B Option AYZ	External Mixing	1

- a. Refer to the *Agilent Technologies E4407B Spectrum Analyzer User's Guide* for a list of standard accessories.

Specifications

The *Agilent Technologies ESA Spectrum Analyzers Calibration Guide* contains performance parameters applicable to the E4407S Option E57 Spectrum Analyzer System with the following changes:

In the E4407B "Specifications and Characteristics" chapter, replace the "Frequency Response" section with the table on the following page.

	Specifications
Frequency Response 50 ohm, referenced to the 50 MHz calibrator amplitude. 9 kHz to 26.5 GHz (Preselector centered >3.0 GHz) 10 dB input attenuation, 0 to 50 °C	±2.0 dB

In the "Performance Test Records" chapter, replace "Section 23. Frequency Response" with the table below.

	Minimum	Results Measured	Maximum	Measurement Uncertainty
23. Frequency Response				
Band 0: 9 kHz to 3 GHz				
Maximum Response		(1) _____	+2.0 dB	±0.245 dB
Minimum Response	-2.0 dB	(2) _____		±0.245 dB
Peak to Peak Response		(3) _____	4.0 dB	±0.245 dB
Band 1: 3 to 6.7 GHz				
Maximum Response		(4) _____	+2.0 dB	±0.355 dB
Minimum Response	-2.0 dB	(5) _____		±0.355 dB
Peak to Peak Response		(6) _____	4.0 dB	±0.355 dB
Band 2: 6.7 to 13.2 GHz				
Maximum Response		(7) _____	+2.0 dB	±0.429 dB
Minimum Response	-2.0 dB	(8) _____		±0.429 dB
Peak to Peak Response		(9) _____	4.0 dB	±0.429 dB
Band 3: 13.2 to 25 GHz				
Maximum Response		(10) _____	+2.0 dB	±0.425 dB
Minimum Response	-2.0 dB	(11) _____		±0.425 dB
Peak to Peak Response		(12) _____	4.0 dB	±0.425 dB
Band 4: 25 to 26.5 GHz				
Maximum Response		(13) _____	+2.0 dB	±0.428 dB
Minimum Response	-2.0 dB	(14) _____		±0.428 dB
Peak to Peak Response		(15) _____	4.0 dB	±0.428 dB