

스펙

FPH 핸드형 스펙트럼 분석기



Frequency range	base unit	5 kHz to 2 GHz
	with R&S®FPH-B3 option	5 kHz to 3 GHz
	with R&S®FPH-B3 and R&S®FPH-B4 option installed	5 kHz to 4 GHz
Frequency resolution		1 Hz
Resolution bandwidth		1 Hz to 3 MHz in 1/3 sequence
Spectral purity SSB phase noise		f = 500 MHz
	30 kHz	< -88 dBc(1 Hz), typ. -95 dBc(1 Hz)
	100 kHz	< -98 dBc(1 Hz), typ. -105 dBc(1 Hz)
	1 MHz	< -118 dBc(1 Hz), typ. -125 dBc(1 Hz)
Displayed average noise level		0 dB RF attenuation, 50 Ω termination, RBW = 100 Hz, VBW = 10 Hz, sample detector, log scaling, tracking generator off, normalized to 1 Hz
	frequency	preamplifier = off
	1 MHz to 10 MHz	< -135 dBm, typ. -142 dBm
	10 MHz to 1 GHz	< -142 dBm, typ. -146 dBm
	1 GHz to 4 GHz	< -140 dBm, typ. -144 dBm
	frequency	preamplifier = on
	1 MHz to 10 MHz	< -150 dBm, typ. -160 dBm
	10 MHz to 3 GHz	< -158 dBm, typ. -163 dBm
	3 GHz to 4 GHz	< -156 dBm, typ. -161 dBm
Third-order intercept (IP3)	intermodulation-free dynamic range, signal level 2 × -20 dBm, RF attenuation = 0 dB, RF preamplifier = off	
	f = 1 GHz	+7 dBm (meas.)
	f = 2.4 GHz	+10 dBm (meas.)
Total measurement uncertainty	95 % confidence level, +20 °C to +30 °C, SNR > 16 dB, 0 dB to -50 dB below reference level, RF attenuation auto	
	10 MHz ≤ f ≤ 4 GHz	< 1.25 dB, typ. 0.5 dB
Display		
Resolution	WVGA, 800 × 480 pixel	
Battery	lithium ion battery	
Capacity	R&S®HA-Z306	72 Wh
Voltage	11.25 V	
Operating time with new, fully charged battery	R&S®HA-Z306	8 h
Dimensions	W × H × D	202 mm × 294 mm × 76 mm (8.0 in × 11.6 in × 3 in)
Weight	2.5 kg	