RIGOL

RSA800 Series

Real-Time Spectrum Analyzer

Data Sheet
2026.06

Product Features

- Five working modes: GPSA, RTSA, VSA, EMI, and ADM
- Frequency range: 5 kHz to 14 GHz
- Excellent DANL (Displayed Average Noise Level)
- Good phase noise performance
- High-precision amplitude measurement error
- Multiple analysis bandwidth options
- Excellent SFDR
- Powerful real-time spectrum analysis function
- Display different types of measurement values in multi-pane windowing form
- Built-in tracking generator output
- Appearance and Dimensions: 265.35 mm (W) × 161.75 mm (H) × 77.38 mm (D)
- Interfaces: USB, LAN, and HDMI
- Power supply: Type-C adapter; supports power bank
- Support standard SCPI instruction sets

RSA800 series real-time spectrum analyzer is RIGOL's real-time spectrum analyzer product. With excellent dynamic range, phase noise, amplitude accuracy, and test speed, it supports spectrum analysis, real-time spectrum analysis, and vector signal analysis to meet various signal test and analysis requirements. The RSA800 series offers strong system expansion capability via digital and analog interfaces for test system integration and custom development. Compact and portable, it is suitable for lab, education, and field testing, and supports power bank supply for mobile testing. With stable performance and flexible applications, the RSA800 series is widely used in R&D, production, and maintenance testing for wireless communications, automotive electronics, IoT, and related fields.

RSA800 Series Technical Specifications

Five working modes: GPSA, RTSA, VSA, EMI, and ADM

Model	RSA804	RSA808	RSA814
Frequency Range	5 kHz to 4.5 GHz	5 kHz to 8.5 GHz	5 kHz to 14 GHz
Amplitude Range	DANL to +20 dBm		
1 GHz Phase Noise	10 kHz offset, <-110 dBc/Hz, -112 dBc/Hz (typ.)		
1 GHz DANL (DANL) normalized to 1 Hz	-146 dBm (typ.) with PA off -168 dBm (typ.) with PA on		
RBW	1 Hz to 10 MHz		
VBW	1 Hz to 10 MHz		
Third-order Intercept (TOI) 1GHz	+20 dBm (typ.)		
Max. Analysis Bandwidth	40 MHz		
Max. Real-Time Bandwidth	40 MHz		
Measurement Functions	GPSA, RTSA, VSA, EMI, ADM, phase noise measurement, and IoT protocol analysis		
Tracking Generator Output Power	- 40dBm to +0dBm		
Appearance and Dimensions	265.35 mm (W) × 161.75 mm (H) × 77.38 mm (D)		
I/O	LAN. USB. HDMI		
Screen	7-inch 1024×600 HD touch display		
Programming Control Instruction Sets	Support standard SCPI instruction sets		

Specifications

- Specifications are valid under the following conditions: the instrument is within the calibration period; stored for at least two hours at 0℃ to 50℃ temperature; 40-minute warm-up. Unless otherwise noted, the specifications in the manual include the measurement uncertainty.
- Typical (typ.): typical performance, which 80 percent of the measurement results will meet at room temperature (approximately 25℃). The data are not warranted and do not include the measurement uncertainty.
- Nominal (nom.): the expected mean or average performance or a designed attribute (such as the 50 Ω connector). The data are not warranted and are measured at room temperature (approximately 25°C).
- Measured (meas.): an attribute measured during the design phase and can be compared with the expected performance, e.g. the amplitude drift varies with time. The data are not warranted and are measured at room temperature (approximately 25℃).

Note:
All charts in this manual are the measurement results of multiple instruments at room temperature unless otherwise noted. All the specifications (except tracking generator specifications) listed in this manual are obtained with tracking generator off.

Measurement Mode and Product Model Adaptation Table

	RSA804	RSA808	RSA814
GPSA	√	√	√
RTSA	√	√	√
VSA	○	○	○
EMI	○	○	○
ADM	○	○	○

NOTE: √ indicates standard configuration; ○ indicates optional configuration.

All Measurement Modes

Model	RSA804	RSA808	RSA814
Frequency Range	5 kHz to 4.5 GHz	5 kHz to 8.5 GHz	5 kHz to 14 GHz
Internal Reference Frequency			
Reference Frequency	10 MHz		
Accuracy	±[(time since last calibration × aging rate) + temperature stability + calibration accuracy]		
Initial Calibration Accuracy	1 ppm		
Temperature Stability	0℃ to 50℃, with the reference 25℃		
	<0.5 ppm		
Aging Rate	<0.5 ppm/year		
Built-in GNSS 1PPS accuracy	± 8 ns		

GPSA Mode

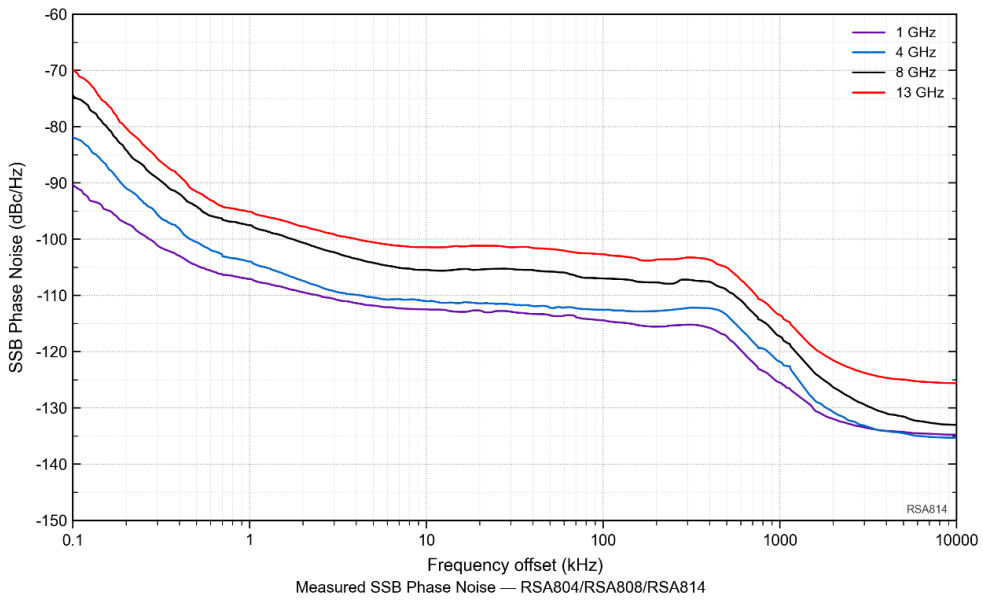
Frequency

Frequency Readout Accuracy	
Marker Frequency Resolution	span/(number of sweep points - 1)
Marker Frequency Uncertainty	±(marker frequency readout × reference frequency accuracy + 1% × span + 10% × resolution bandwidth + marker frequency resolution)

Frequency counter (RBW = 1 kHz, Freq = 1 GHz)	
Resolution	1 Hz (Max.)
Uncertainty	±(marker frequency readout × reference frequency accuracy + counter resolution)

Frequency Span	
Range	0 Hz, 10 Hz to maximum frequency
Resolution	2 Hz
Uncertainty	±[0.1% x span RBW + span/(number of sweep points - 1)]

SSB Phase Noise		
20°C to 30°C, fc = 1 GHz, sample detector		
Carrier Offset	1 kHz	<-100 dBc/Hz, <-102 dBc/Hz (typ.)
	10 kHz	<-110 dBc/Hz, <-112 dBc/Hz (typ.)
	100 kHz	<-113 dBc/Hz, <-115 dBc/Hz (typ.)
	1 MHz	<-120 dBc/Hz, <-122 dBc/Hz (typ.)
	10 MHz	<-130 dBc/Hz (typ.)



SSB Phase Noise

Residual FM	
20℃ to 30℃, RBW = VBW = 1 kHz	
Residual FM	<10 Hz (nom.)

Bandwidth	
Set "Sweep Type" to "Accurate"	
Resolution Bandwidth (-3 dB)	1 Hz to 10 MHz, in 1-3-10 sequence
RBW Accuracy	10 MHz, <10%
	1 Hz to 3 MHz, <3%
Resolution filter shape factor (60 dB:3 dB) [1]	≤5 (nom.)
Video Bandwidth (-3 dB)	1 Hz to 10 MHz, in 1-3-10 sequence
Resolution Bandwidth (-6 dB)	200 Hz, 9 kHz, 120 kHz, 1 MHz

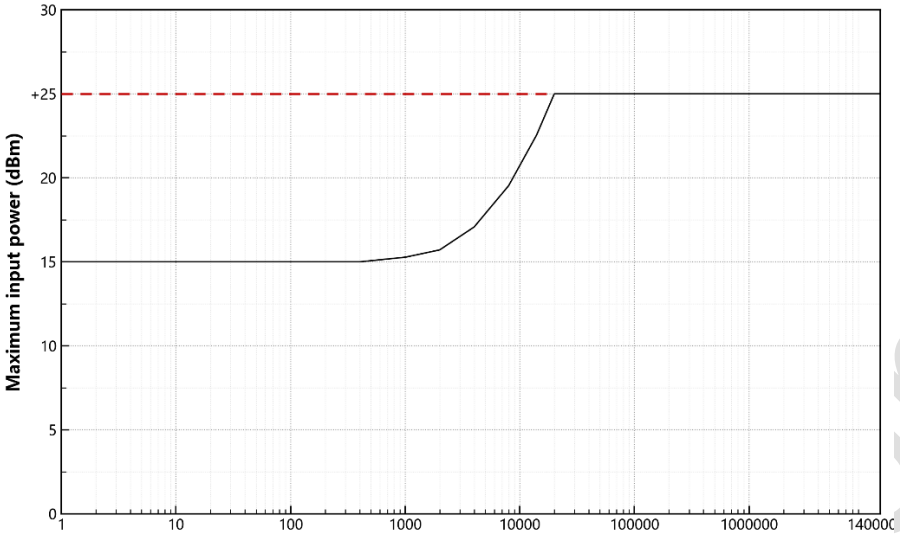
Amplitude

Measurement Range	
Range	fc ≥10 MHz
	Displayed Average Noise Level (DANL) to +20 dBm

Maximum Safe Input Level [2]	
DC Voltage	35 V
CW RF Power	+20 dBm, attenuator = 30 dB, PA off
	-10 dBm, attenuator = 30 dB, PA on

Maximum Damage Level	
CW RF Power	+25 dBm

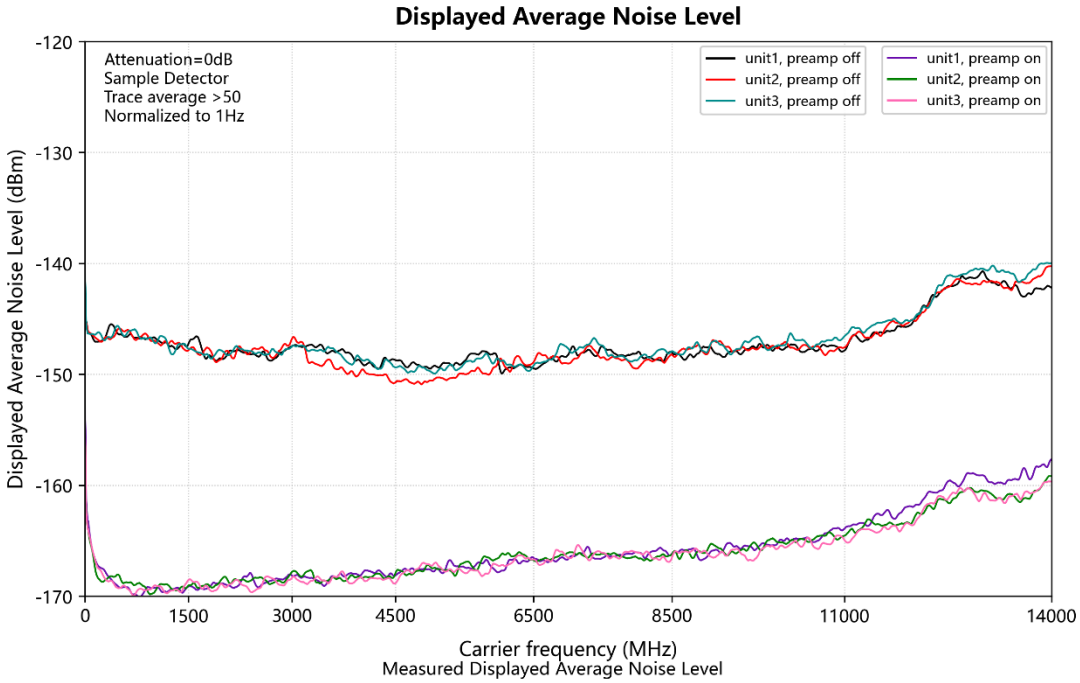
Note:
[1]: When RBW is greater than 100 kHz, the filter characteristics near -60 dB cannot be directly obtained with measurement.
[2]: When fc < 10 MHz, the maximum safe input level is reduced.



Measured frequency VS maximum input power of RSA804/RSA808/RSA814

Maximum Damage Level

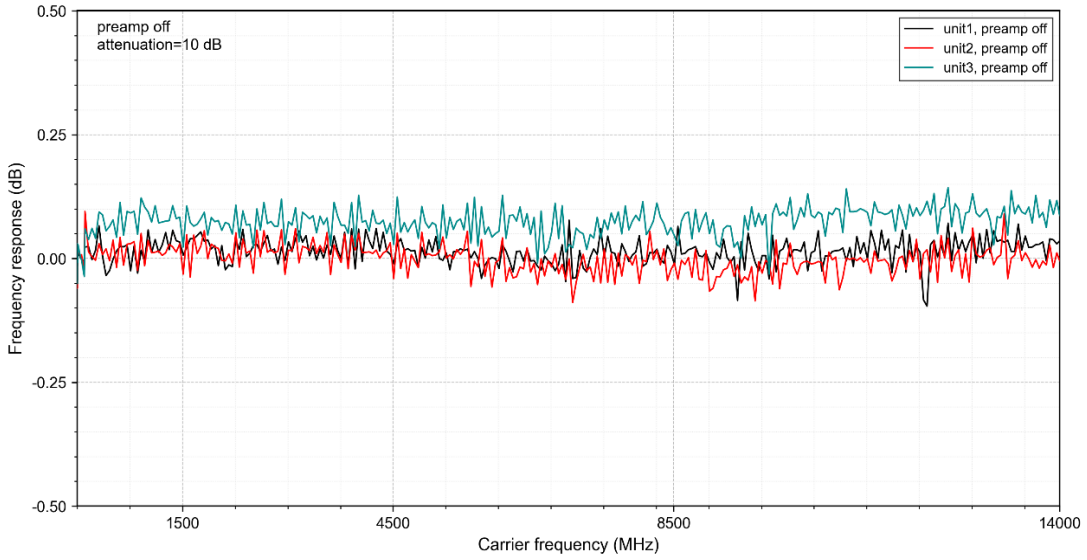
Displayed Average Noise Level (DANL)		
Attenuation = 0 dB, sample detector, trace averages ≥ 50, tracking generator off, normalized to 1 Hz, 20℃ to 30℃, input impedance = 50 Ω.		
PA Off	5 kHz < f ≤ 100 kHz	<-120 dBm (typ.)
	100 kHz < f ≤ 100 MHz	<-140 dBm, <-143 dBm (typ.)
	100 MHz < f ≤ 4.5 GHz	<-141 dBm, <-144 dBm (typ.)
	4.5 GHz < f ≤ 8.5 GHz	<-142 dBm, <-145 dBm (typ.)
	8.5 GHz < f ≤ 11 GHz	<-140 dBm, <-143 dBm (typ.)
	11 GHz < f ≤ 14 GHz	<-135 dBm, <-138 dBm (typ.)
PA On	10 MHz < f ≤ 100 MHz	<-150 dBm, <-153 dBm (typ.)
	100 MHz < f ≤ 4.5 GHz	<-165 dBm, <-168 dBm (typ.)
	4.5 GHz < f ≤ 8.5 GHz	<-163 dBm, <-166 dBm (typ.)
	8.5 GHz < f ≤ 11 GHz	<-160 dBm, <-163 dBm (typ.)
	11 GHz < f ≤ 14 GHz	<-155 dBm, <-158 dBm (typ.)



DANL

Level Display	
Logarithmic Scale	1 dB to 200 dB
Linear Scale	0 to reference level
Number of display points	801
Number of traces	6
Detector Type	Normal, pos-peak, neg-peak, sample, RMS average, voltage average, Quasi-peak, EMI CISPR RMS average
Trace Type	Clear write, max hold, min hold, average, view, blank
Scale Unit	dBm, dBmV, dBuV, nV, uV, mV, V, pW, nW, uW, mW, W, mA, uA, A

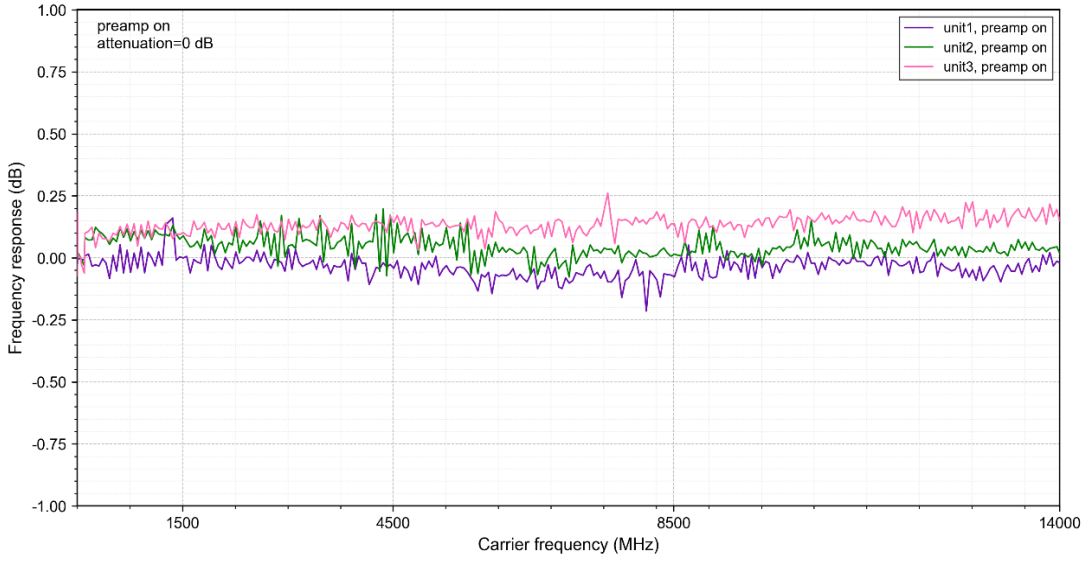
Frequency Response		
	attenuation = 10 dB, relative to 50 MHz, 20℃ to 30℃	
PA Off	9 kHz < f ≤ 100 kHz	<0.3 dB (typ.)
	100 kHz < f ≤ 4.5 GHz	<0.5 dB, <0.3 dB (typ.)
	4.5 GHz < f ≤ 8.5 GHz	<0.7 dB, <0.5 dB (typical)
	8.5 GHz < f ≤ 14 GHz	<0.9 dB, <0.7 dB (typ.)



Measured frequency response of RSA804/RSA808/RSA814

Frequency Response (attenuation = 10 dB, PA off)

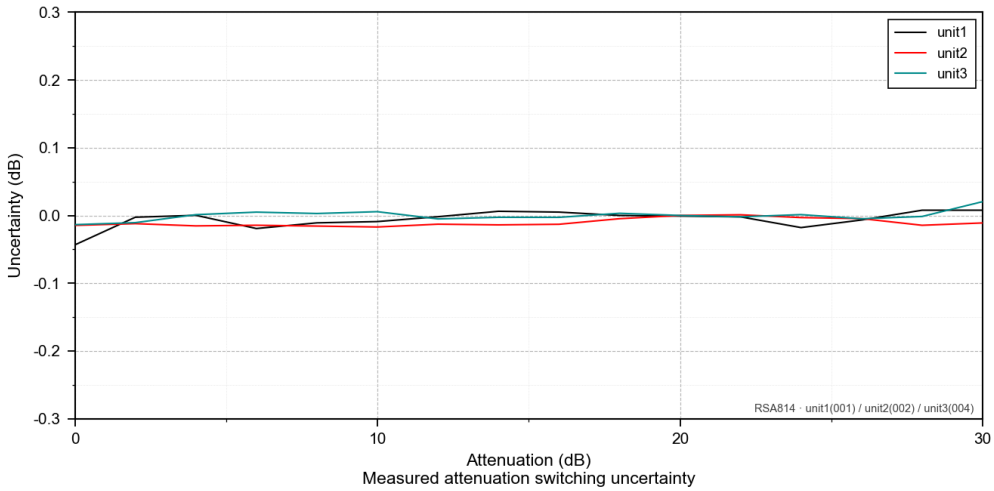
Frequency Response		
	attenuation = 0 dB, relative to 50 MHz, 20℃ to 30℃	
PA On	100 kHz < f ≤ 4.5 GHz	<0.7 dB, <0.5 dB (typical)
	4.5 GHz < f ≤ 8.5 GHz	<0.9 dB, <0.7 dB (typ.)
	8.5 GHz < f ≤ 14 GHz	<1.1 dB, <0.9 dB (typ.)



Measured frequency response of RSA804/RSA808/RSA814

Frequency Response (attenuation = 0 dB, PA on)

Input Attenuation Switching Uncertainty	
Setting Range	0 dB to 30 dB, step 2 dB
Switching Uncertainty	fc = 50 MHz, relative to 10 dB attenuation, PA off, 20°C to 30°C
	<0.3 dB



Switching Uncertainty

Absolute Amplitude Accuracy	
Uncertainty	fc = 50 MHz, peak detector, PA off, 10 dB attenuation, input level -10 dBm, 20°C to 30°C
	<0.3 dB

Reference Level		
Range	Logarithmic Scale	-170 dBm to +20 dBm, step 0.01 dB
	Linear Scale	707 pV to 2.24 V, 0.11% (0.01 dB) resolution

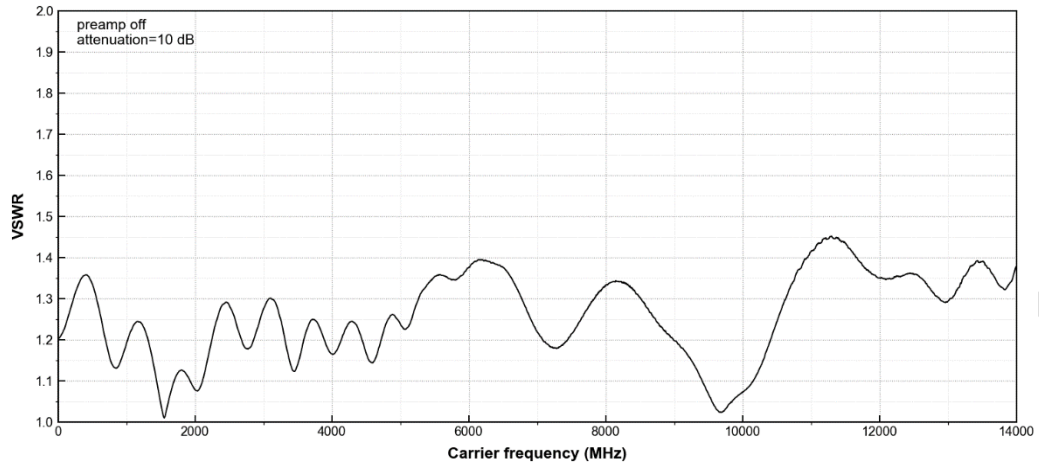
RBW Switching		
Uncertainty	Set "Sweep Type" to "Accurate", relative to 30 kHz RBW	
	1 Hz to 1 MHz	<0.1 dB
	3 MHz, 10 MHz	<0.3 dB

Preamplifier (option RSA800-PA)			
	RSA804	RSA808	RSA814
Frequency Range	10 MHz to 4.5 GHz	10 MHz to 8.5 GHz	10 MHz to 14 GHz
Gain	20 dB (nom.)		

Level Measurement Uncertainty		
95% confidence, S/N > 20 dB, RBW and VBW both 1 kHz, PA off, 10 dB attenuation, -50 dBm < input level ≤ 0 dBm, fc > 10 MHz, 20°C to 30°C		
Level Measurement Uncertainty	10 MHz < f ≤4.5 GHz	< 0.8 dB (nom.)
	4.5 GHz < f ≤8.5 GHz	< 1.0 dB (nom.)
	8.5 GHz < f ≤14 GHz	< 1.8 dB (nom.)

RF Input VSWR		
Attenuation ≥ 10 dB, preamp off		
VSWR	10 MHz≤ f ≤ 4.5 GHz	<1.5 (nom.)

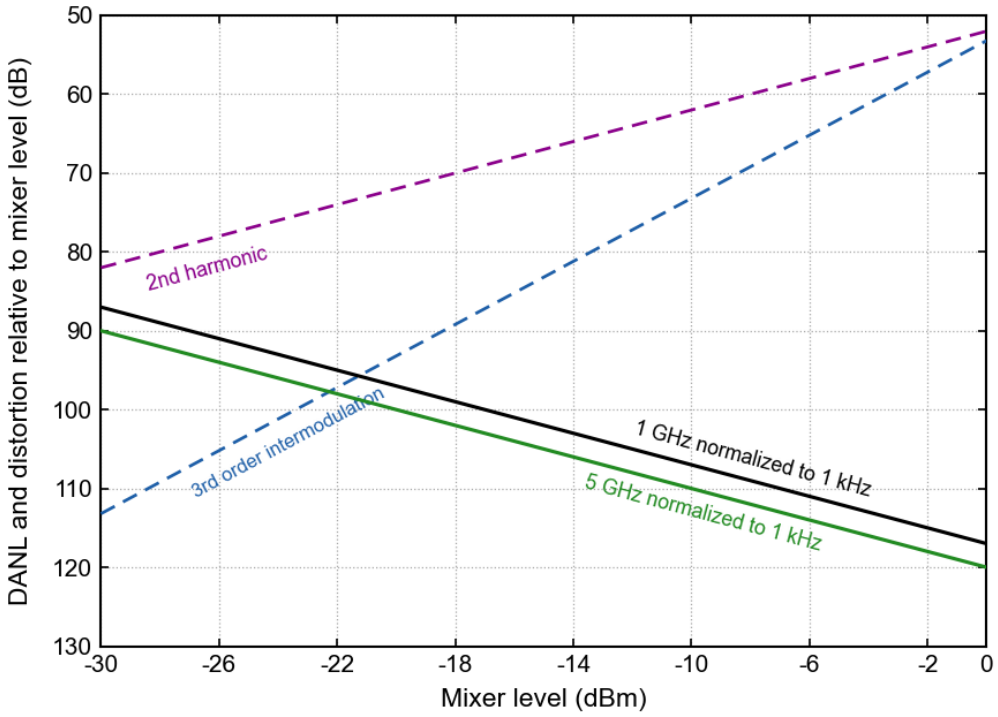
RF Input VSWR		
	4.5 GHz ≤ f ≤ 14 GHz	<1.7 (nom.)



VSWR

Distortion		
Second Harmonic Intercept (SHI)	fc ≥ 50 MHz, input level -20 dBm, 0 dB attenuation, PA off	
	10 MHz ≤ f ≤ 5.7 GHz	+45 dBm
	5.7 GHz < f ≤ 7 GHz	+30 dBm
Third-order Intercept (TOI)	fc ≥ 50 MHz, two tones at -10 dBm, precision mode, tone spacing > 5× IF preselector bandwidth, 0 dB attenuation, PA off	
	18 dBm, +20 dBm (typ.)	
1 dB gain compression (P1 dB) [1] Dual-tone Test	fc ≥ 50 MHz, 0 dB attenuation, PA off	
	0 dBm (nom.)	

Note:
[1]: The frequency interval of the two-tone signals should be greater than 20 MHz.



Measured dynamic range of RSA804/RSA808/RSA814

Distortion

Spurious Response		
Residual Response[1]	50 Ω termination at input, 0 dB attenuation, 20°C to 30°C	
	<-100 dBm (typ.)	
Intermediate Frequency	<-100 dBc (typ.)	
System-related Sideband	Carrier offset = 1 kHz	
	<-60 dBc/Hz (typical)	
Input-related Spurious	mixer level -30 dBm	
	<-90 dBc (typ.)	
Image spurious	mixer level -10 dBm	
	<-90 dBc (typ.)	

Note:
[1]: Reference-related responses may appear at 100 MHz reference frequency and its integer multiples; these frequencies are excluded from residual response specifications.

Sweep

Sweep		
Sweep Time	Span ≥ 10 Hz	1 ms to 4,000 s
	zero span	1 µs to 6,000 s
Sweep Time Uncertainty	Span ≥ 10 Hz, RBW ≥ 1 kHz	5% (nom.)
	zero span (sweep time > 1ms)	5% (nom.)
Sweep Mode	Continuous, single	

Sweep	
Sweep Points	EMI mode: 101 to 100,001, default 801 Other modes: 101 to 100,001, default 801

Trigger

Trigger		
Trigger Source	Free fun, external trigger, video	
Trigger Delay	Span ≥ 10 Hz	0 ms to 500 ms
	zero span	-150 ms to 500 ms
Trigger Delay Resolution	0.1 μs	

Tracking Generator (standard)

TG Output [1]			
	RSA804	**RSA808**	**RSA814**
Frequency Range	100 kHz to 4.5GHz	100 kHz to 8.5GHz	100 kHz to 14GHz
Output Level Range	-40 dBm to 0 dBm		
Output Level Resolution	1 dB		
Output Flatness	Relative to 50 MHz		
	±3 dB (nom.)		

Note:
[1]: The TG and FFT sweep mode are mutually exclusive. When the TG is enabled, the sweep mode will be affected.

RTSA Application

RTSA			
Real-Time Bandwidth	40 MHz		
Min. Signal Duration for 100% POI at the Full-Scale Accuracy	maximum span; default Kaiser Window		
	5.62 μs		
Detector Type	Pos-peak, neg-peak, sample, voltage average		
Number of Traces	6		
Window Type	Hanning, Blackman-Harris, Rectangular, Flattop, Kaiser, and Gaussian		
RBW	Provides 6 RBWs for each window, except the Rectangular; Span		
	Span	Min. bandwidth	Max. bandwidth
	40 MHz	100.46 kHz	3.21 MHz
Max. Sample Rate	51.15 Msa/s		
FFT Rate	199804 frames/s		
Number of Markers	8		
Amplitude Resolution	0.01 dB		
Frequency Point	801		

RTSA	
Acquisition Time	Max. Sample Rate
	≥100 μs

Min. signal duration for 100% POI at different RBWs, with the unit μs						
Span	RBW1	RBW2	RBW3	RBW4	RBW5	RBW6
40 MHz	25.005	14.996	9.991	7.488	6.237	5.620
25 MHz	40.008	23.993	15.985	11.981	9.979	8.978
10 MHz	90.010	49.971	29.952	19.942	14.937	12.435
1 MHz	812.513	412.122	211.926	111.828	61.780	36.755

Amplitude	
Amplitude Flatness	Only applicable to the Normal measurement.
	SFDR
SFDR	<-60 dBc (typ.)

Density	
0 to 100% (with a step of 0.1%)	Min. Span
Min. Span	5 kHz
32 ms to 10 s	Maximum Acquisition Volume

Spectrogram	
Maximum Acquisition Volume	10000
Dynamic Range Covered with Color	200 dB

PVT	
Min. Capture Time	100 μs
Max. Capture Time	40 s

Trigger	
Trigger Source	Free run, external, IF power (time), FMT
FMT	
Trigger Diagram	density, spectrogram, normal
Trigger Resolution	0.5 dB
Trigger Condition	Enter, Leave, Inside, Outside, Enter-Leave, Leave-Enter

VSA Application

VSA	
Analysis Bandwidth	40 MHz
Capture Oversampling	4. 8. 16
Capture Length	Max. 4,096
Max. Sample Rate	51.15 MSa/s

VSA	
Symbol Rate	Related to Capture Oversampling
	Sample Rate/Capture Oversampling, ≥1 kHz
Available I/Q Bandwidth	Symbol Rate x Capture Oversampling/1.28
Trig Mode	Free run, external, IF power (time)
Modulation Format	
FSK	2FSK, 4FSK, 8FSK
MSK	Enables or disables the differential encoding for MSK
PSK	BPSK, QPSK, OQPSK, DQPSK, π/4-DQPSK, 8PSK, D8PSK, π/8- D8PSK
QAM	16QAM, 32QAM, 64QAM. 128QAM. 256QAM. 512QAM. 1024QAM
ASK	2ASK, 4ASK
Filter Type	
Measurement Filter Type	No Filter, RRC, Gaussian, Rectangular, user-defined
Reference Filter Type	Raised Cosine, RRC, Gaussian, Rectangular, Half Sine, user-defined
Preset Standard	
Cellular	GSM. NADC. WCDMA. PDC. PHP(PHS)
Wireless Networking	Bluetooth. WLAN(802.11b). ZIGBEE 868M. ZIGBEE 915M. ZIGBEE 2450M
Others	TETRA. DECT. APCO-25
Measurement Uncertainty	
Applicable Conditions	Temperature at +20°C to +30°C Signal level ≥ -25 dBm Select the proper amplitude range Deviation between the instrument's center frequency and the signal's center frequency less than 5% of symbol rate Random data sequence Capture oversampling 4

Residual Error for QPSK		
Test Signal		The reference filter is RC, measurement filter RRC, with rolloff factor 0.35. The result lengths are 150 symbols. The center frequency is 1 GHz, and the capture oversampling is 4.
		Residual EVM (EVM) RMS
Symbol Rate	100 ksps	<0.7% (nom.)
	1 Msps	<0.7% (nom.)
	10 Msps	<1.0% (nom.)

Residual Error for FSK	
Test Signal	The reference filter is RC, measurement filter RRC, with rolloff

Residual Error for FSK		
		factor 0.35. The FSK frequency deviation is a quarter of the symbol rate. The result lengths are 150 symbols. The center frequency is 1 GHz, and the capture oversampling is 4.
FSK Error		
Symbol Rate	10 Msps	< 1.5% (nom.)

EMI Application

EMI Resolution Bandwidth	
Resolution Bandwidth (-3 dB)	100 Hz to 10 MHz, in 1-3-10 sequence
Resolution Bandwidth (-6 dB)	200 Hz, 9 kHz, 120 kHz, 1 MHz

EMI Detector	
Detector	Pos-peak, neg-peak, average, quasi-peak, EMI average, and RMS average

EMI Key Features	
Key Features	CISPR 16-1-1 detectors CISPR 16-1-1 bandwidths log and linear display signal list scan table simultaneous detectors automatic limit testing measure at marker delta to limit report generation

ADM Application

General Specifications			
	RSA804	RSA808	RSA814
Carrier Power	-30 dBm to 20 dBm		
Carrier Power Accuracy	±1.8 dB (nom.)		

Amplitude Modulation (AM)		
Modulation Rate		20 Hz to 100 KHz
Modulation Rate Accuracy	Modulation Rate < 1 kHz	1 Hz (nom.)
	Modulation Rate ≥ 1 kHz	<0.1% of the Modulation Rate (nom.)
Modulation Depth		5% to 95%
Modulation Depth Accuracy		±4% (nom.)

Frequency Modulation (FM)		
Modulation Rate [1]		20 Hz to 200 KHz
Modulation Rate Accuracy	Modulation Rate < 1 kHz	1 Hz (nom.)
	Modulation Rate ≥ 1 kHz	<0.1% of the Modulation Rate (nom.)

Frequency Modulation (FM)	
Freq Deviation	20 Hz to 400 kHz
FM Deviation Accuracy [1]	±4% (nom.)

Phase Modulation (PM)		
Modulation Rate		50 Hz to 50 kHz
Modulation Rate Accuracy	Modulation Rate < 1 kHz	1 Hz (nom.)
	Modulation Rate ≥ 1 kHz	<0.1% of the Modulation Rate (nom.)
PM Deviation		0.2 rad to 100 rad
PM Deviation Accuracy		±4% (nom.)

Note:
[1]: Modulation Index = Modulation Frequency Deviation/Modulation Rate. The range of the modulation index is from 0.2 to 1,000.

General Specifications

Display	
Type	capacitive multi-touch screen
Resolution	1024X600
Dimensions	7 inch
Color	24-bit color

Mass Memory		
Mass Memory	Internal Storage	32 GB
	External Storage	USB storage device (not supplied)

Power	
Power Interface	Type-CI/O
Supply Voltage	DC 20 V, 5A
Power Consumption	55 W (typ.)

Environment		
Temperature	Storage Temperature Range	0℃ to 50℃
	Storage Temperature Range	-20°C to 60°C
Humidity	Operating	0 ℃ to 30 ℃:≤ 95% RH 30℃ to 40℃: ≤75% RH 40℃ to 50℃: ≤45%RH
	Non-operating	<+40℃: 5% to 90%RH, without condensation ≥+40℃ to <+60℃: 5% to 80%RH, without condensation

Environment		
		>+60℃ to <+70℃: 5% to 45%RH, without condensation
Altitude	Operating Height	Below 3,000 m (9,842 feet)

Electromagnetic Compatibility and Safety		
EMC	Complies with EMC Directive (2014/30/EU) and meets or exceeds IEC 61326-1:2013 / EN 61326-1:2013 Group 1 Class A	
	CISPR11/EN 55011	
	IEC61000-4-2:2008/EN61000-4-2	±4.0 kV (contact discharge) ±8.0 kV (air discharge)
	IEC61000-4-3:2002/EN61000-4-3	3 V/m (80 MHz to 1 GHz) 3 V/m (1.4 GHz to 2 GHz); 1 V/m (2.0 GHz to 2.7 GHz)
	IEC61000-4-4:2004/EN61000-4-4	1 kV power line
	IEC61000-4-5:2001/EN61000-4-5	0.5 kV (phase-to-neutral voltage) 1 kV (phase-to-earth voltage) 1 kV (neutral-to-earth voltage)
	IEC61000-4-6:2003/EN61000-4-6	3 V, 0.15 MHz to 80 MHz
	IEC61000-4-11:2004/EN61000-4-11	Voltage dip 0%UT during half cycle 0% UT during 1 cycle 70% UT during 25 cycles Short interruption: 0%UT during 250 cycles
Safety	IEC61010-1:2010 (Third Edition)/EN 61010-1:2010 UL61010-1:2012 R4.16 and CAN/CSA-C22.2 NO. 61010-1-12+ GI1+ GI2	
Environment	The test methods are compliant with standards specified in GB/T65872 Class 2 and MIL-PRF-28800F Class 3.	

Appearance and Dimensions	
Dimensions	265.35 mm (W) × 161.75 mm (H) × 77.38 mm (D)
Weight	1.9 kg

Calibration Interval	
Recommended Calibration Interval	18 months

Input / Output

Front Panel Connector		
RF Input	Impedance	50 Ω (nom.)
	Connector	N-type female
Tracking Generator Output	Impedance	50 Ω (nom.)
	Connector	N-type female

Internal/External Reference		
Internal Reference	Frequency	10 MHz
	Output Level	+3 dBm to +10 dBm, +7 dBm (typ.)
	Impedance	50 Ω (nom.)
	Connector	BNC female
External Reference	Frequency	10 MHz ± 10 ppm
	Input Level	0 dBm to +10 dBm
	Impedance	50 Ω (nom.)
	Connector	BNC female

External Trigger Input/Output		
Trig Input	Impedance	1 kΩ (nom.)
	Connector	BNC female
	Level	3.3 V TTL Level
Trig Output	Impedance	50 Ω (nom.)
	Connector	BNC female
	Level	3.3 V TTL Level

Communication Interface		
USB Host	Connector	USB Type-A (Standard)
	Protocol	Version 2.0
USB Device	Connector	USB Type-B (Standard)
	Protocol	Version 2.0
LAN	Connector	100/1000 Base-T, RJ-45
	Protocol	LXI Core 2011 Device
HDMI	Connector	A plug
	Protocol	HDMI 1.4

Ordering Information and Warranty

Ordering Information

	Description	Order No.
Model	Real-time spectrum analyzer, 5 kHz to 4.5 GHz	RSA804
	Real-time spectrum analyzer, 5 kHz to 8.5 GHz	RSA808
	Real-time spectrum analyzer, 5 kHz to 14 GHz	RSA814
Standard Accessory	Power adapter compliant with local standards	-
Options	Vector Signal Analysis Application Software	RSA800-VSA
	EMI Measurement Application Software	RSA800-EMI
	Analog Demodulation Application Software	RSA800-ADM
	Advanced Measurement Kit	RSA800-AMK
	Phase Noise Measurement Application Software	RSA800-PNOISE
Optional Accessories	DSA utility kit. Refer to Note[1] for details.	DSA Utility Kit
	RF adaptor kit. Refer to Note[2] for details.	RF Adaptor Kit
	Includes: 50 Ω to 75 Ω adaptor (2pcs)	RF CATV Kit
	Includes: 6 dB attenuator (1pcs), 10 dB attenuator (2pcs)	RF Attenuator Kit
	30 dB high-power attenuator, with the max. power of 100 W	ATT03301H
	Near-field Probe	NFP-3
	USB Cable x1	CB-USBA-USBB-FF-150
	RF Cable	Refer to RF-Cable Datasheet

Note:
For all the mainframes, accessories, and options, please contact the local office of RIGOL .
[1]: Includes N-SMA cable, BNC-BNC cable, N-BNC adaptor, N-SMA adaptor, 75 Ω-50 Ω adaptor, 800 MHz/1.8 GHz antenna (2pcs), 2.4 GHz antenna (2pcs)
[2]: Includes: N(F)-N(F) adaptor (1pcs), N(M)-N(M) adaptor (1pcs), N(M)-SMA(F) adaptor (2pcs), N(M)-BNC(F) adaptor (2pcs), SMA(F)-SMA(F) adaptor (1pcs), SMA(M)-SMA(M) adaptor (1pcs), BNC T type adaptor (1pcs), 50 Ω SMA load (1pcs), 50 Ω BNC impedance adaptor (1pcs)

Warranty Period

Three-year warranty on the main unit; accessories excluded

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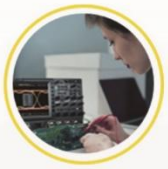

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