Specifications

Frequency

Frequency Range (spectrum analysis mode)	
Preamplifier off:	9 kHz to 3.3 GHz (R3467) 9 kHz to 13.5 GHz (R3477)
Preamplifier on:	100 kHz to 3.3 GHz
Resolution bandwidth:	1 Hz to 10 MHz (sequences 1, and 3)

Sweep

Sweep time	
Zero span:	1 µs to 6000 s
Span > 0 Hz:	2 ms to 2000 s
Trigger source:	Free-run, Video, IF, Line, Ext 1 (TTL level), and Ext 2 (0 to +5 V)

Amplitude

Amplitude measurement range	
Preamplifier off:	+30 dBm to average display noise level
Preamplifier on:	+30 dBm to average display noise level
Maximum safety input level (input ATT.: ≥10 dB)	
Average continuous power	
Preamplifier off:	+30 dBm
Preamplifier on:	+13 dBm
Input ATT. range:	0 to 55 dB by 5 dB steps (R3467) 0 to 75 dB by 5 dB steps (R3477)
Detector modes:	Normal, positive peak, negative peak, sample, and average (RMS, video, and voltage)

Amplitude accuracy

Frequency response (input ATT.: 10 dB, and temperature range: 20 to 30°C)	
Preamplifier off	
50 MHz to 2.5 GHz:	±0.4 dB
9 kHz to 3.3 GHz:	±1.0 dB
3.3 GHz to 7.5 GHz:	±1.5 dB
7.5 GHz to 13.5 GHz:	±2.0 dB

Dynamic range

Average display noise level (input ATT.: 0 dB, and temperature range: 20 to 30°C)	
Preamplifier off	
10 MHz to 1 GHz:	<–156 dBm (typical: –158 dBm)
1 GHz to 2 GHz:	<–154 dBm (typical: –156 dBm)
Preamplifier on	
10 MHz to 1 GHz:	<–162 dBm (typical: –168 dBm)
1 GHz to 2.5 GHz:	<–160 dBm (typical: –166 dBm)
1 dB gain compression (preamplifier off)	
200 MHz to 3.3 GHz:	>+6 dBm (typical: +9 dBm)
2nd order harmonic distortion (preamplifier off)	
50 MHz to 1.65 GHz:	<–60 dBc (mixer level: –20 dBm)
720 MHz to 958 MHz:	<–100 dBc (mixer level: –10 dBm, input filter: ON)
>1.65 GHz:	<–100 dBc (mixer level: –10 dBm)
3rd order intercept point (TOI) (preamplifier off)	
1 GHz to 2 GHz:	>+21 dBm (typical: +25 dBm)
2 GHz to 3.3 GHz:	>+22 dBm (typical: +26 dBm)

General specifications

Operating environment range:	Ambient temperature: 0 to +50°C Relative humidity: 80% or less (No condensation)
Storage environment range:	Ambient temperature: –20 to +60°C Relative humidity: 80% or less (No condensation)
AC power input:	100 to 120 VAC, 50 Hz/60 Hz 220 to 240 VAC, 50 Hz/60 Hz (automatic switching between 100 VAC and 220 VAC)
Power consumption:	360 VA or less Approx. 250 VA (excluding options)
Dimensions:	Approx. 365 (W) x 177 (H) x 417 (D) mm (excluding protrusions, such as handles and feet)
Mass:	18 kg or less (excluding options)

Ordering information

Main unit	
3.3 GHz signal analyzer:	R3467
13.5 GHz signal analyzer:	R3477
Accessories	
Power cable:	A01412
Input cable (50Ω):	A01037-0300
N-BNC adapter:	JUG-201A/U
Option	
High stability frequency standard (±5 x 10^{-9}/day):	OPT.21
High stability frequency standard (±3 x 10^{-10}/day, ±2 x 10^{-8}/year):	OPT.22
Rubidium frequency standard (±1 x 10^{-10}/month):	OPT.23
3GPP modulation analysis software (supporting HSDPA):	OPT.50
cdma2000 modulation analysis software (supporting 1xEV-DV):	OPT.52
6 GHz broadband converter:	OPT.71
Tracking generator:	OPT.79

Please be sure to read the product manual thoroughly before using the products.
Specifications may change without notification.