Specifications Frequency Frequency Range (spectrum analysis mode) Preamplifier off: 9 kHz to 13.5 GHz Preamplifier on: 100 kHz to 3.3 GHz Resolution bandwidth: 1 Hz to 10 MHz (sequences 1, and 3) Sweep Sweep time 1 μs to 6000 s Zero span: Span > 0 Hz: 2 ms to 2000 s Free-run, Video, IF, Line, Ext 1 (TTL level), Trigger source: 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 +30 dBm Preamplifier off: Preamplifier on: +13 dBm Input ATT. range: 0 to 75 dB by 5 dB steps **Detector modes:** Normal, positive peak, negative peak, sample, and average (RMS, video, and voltage) **Amplitude accuracy**

Dy	namic	range

Frequency response

Preamplifier off 50 MHz to 2.5 GHz:

9 kHz to 3.3 GHz:

3.3 GHz to 7.5 GHz:

7.5 GHz to 13.5 GHz:

Average	display	noise	level

(input ATT.: 0 dB, and temperature range: 20 to 30°C)

(input ATT.: 10 dB, and temperature range: 20 to 30°C)

±0.4 dB

±1.0 dB

±1.5 dB

±2.0 dB

Preamplifier off

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 o	ptions)
Ordering information		options)
		R3477
Ordering information Main unit		. ,
Ordering information Main unit Signal analyzer: Accessories Power cable: Input cable (50Ω): N-BNC adapter: Option High stability frequency standar	18 kg or less (excluding o	R3477 A01412 A01037-0300
Ordering information Main unit Signal analyzer: Accessories Power cable: Input cable (50Ω): N-BNC adapter: Option	18 kg or less (excluding o	R3477 A01412 A01037-0300 JUG-201A/U
Ordering information Main unit Signal analyzer: Accessories Power cable: Input cable (50Ω): N-BNC adapter: Option High stability frequency standar High stability frequency standar	18 kg or less (excluding of the control of the cont	R3477 A01412 A01037-0300 JUG-201A/U OPT.21
Ordering information Main unit Signal analyzer: Accessories Power cable: Input cable (50Ω): N-BNC adapter: Option High stability frequency standar High stability frequency standar (±3 x 10⁻¹⁰/day, ±2 x 10⁻³/year):	18 kg or less (excluding of the control of the cont	R3477 A01412 A01037-0300 JUG-201A/U OPT.21 OPT.22
Ordering information Main unit Signal analyzer: Accessories Power cable: Input cable (50Ω): N-BNC adapter: Option High stability frequency standar High stability frequency standar (±3 x 10 ⁻¹⁰ /day, ±2 x 10 ⁻⁸ /year): Rubidium frequency standard (± 3GPP modulation analysis softw	18 kg or less (excluding of the control of the cont	R3477 A01412 A01037-0300 JUG-201A/U OPT.21 OPT.22 OPT.22
Ordering information Main unit Signal analyzer: Accessories Power cable: Input cable (50Ω): N-BNC adapter: Option High stability frequency standar (±3 x 10 ⁻¹⁰ /day, ±2 x 10 ⁻⁸ /year): Rubidium frequency standard (±3GPP modulation analysis softwoodma2000 modulation analysis s	18 kg or less (excluding of the control of the cont	R3477 A01412 A01037-0300 JUG-201A/U OPT.21 OPT.22 OPT.23 OPT.50

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