

ADVANTEST

R3361C

The Advantest R3361C is a synthesized portable spectrum analyzer covering a frequency range from 9 kHz to 2.6 GHz. Designed for RF analysis, it features a built-in tracking generator, manual sweep capabilities, high frequency resolution of 1 Hz, and a 120 dB dynamic range display. It is optimized for portable field measurements and high-accuracy laboratory RF testing.

SPECIFICATIONS

General

Interfaces	GPIO (IEEE-488)
Display	CRT (80 dB dynamic display range)

Physical

Power Supply	100 to 120 VAC / 220 to 240 VAC, 50/60 Hz
Operating Temperature	0 to 50 °C °C
Dimensions (W×H×D)	325 mm × 177 mm × 450 mm mm
Weight	17 kg kg

Frequency Specifications

Frequency Range	9 kHz to 2.6 GHz
Frequency Tuning Resolution	1 Hz
Marker Frequency Counter Resolution	1 Hz

Bandwidth (RBW/VBW)

Resolution Bandwidth (RBW) Range	30 Hz to 1 MHz
Video Bandwidth (VBW) Range	1 Hz to 1 MHz

Amplitude & Measurement Range

Display Dynamic Range	80 dB
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Tracking Generator

Tracking Generator Frequency Range	9 kHz to 2.6 GHz
Tracking Generator Output Level Range	0 to -10 dBm (0.1 dB resolution)
Tracking Generator Output Impedance	50 Ω
Tracking Generator Output Connector	N (female)

Inputs, Outputs & Connectivity

RF Input Impedance	50 Ω
RF Input Connector Type	Type-N female

Frequency

Frequency Span Range	Zero span, 50 kHz to 2.6 GHz
Reference Frequency Aging Rate	$\pm 2 \times 10^{-6}$ / year
Reference Frequency Temperature Stability	$\pm 5 \times 10^{-6}$ (0°C to 50°C)

Sweep

Sweep Time	50 ms to 1000 s
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Input

Maximum RF Input Level	+30 dBm (1 W)
Maximum DC Input Voltage	0 V

Amplitude

Average Noise Level	-121 dBm @ 1 kHz RBW (1 MHz to 2.6 GHz)
Input Attenuator Range	0 to 50 dB in 10 dB steps
Log Scale Settings	1, 2, 5, 10 dB/div

TECHNOLOGY

Synthesized Spectrum Analysis

APPLICATIONS

RF transmitter testing, filter characterization, scalar network analysis, and general-purpose spectral measurements

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.