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Data Sheet

August 15, 2026

ADVANTEST

Advantest R3561L – CDMA test source unit

Advantest R3561L CDMA Test Source 50 MHz to 2 GHz The Advantest R3561L isaCDMA test source covering 50 MHz to 2 GHz with 1 Hz resolution for cellular and PCS base and mobile receiver tests. OEM R3561L product literature rates IS-95 conforming modulation, waveform quality 0.96, built-in AWGN, tracking generator function, and control from R3465/R3463 with option 09. CDMA base and mobile station receiver characteristic tests paired with R3465/R3463 modulation spectrum analyzers. All functions controllable from R3465/R3463 option 09 The Advantest R3561L isaCDMA test source covering 50 MHz to 2 GHz with 1 Hz resolution for cellular and PCS base and mobile receiver tests. OEM R3561L product literature rates IS-95 conforming modulation, waveform quality 0.96, built-in AWGN, tracking generator function, and control from R3465/R3463 with option 09. CDMA base and mobile station receiver characteristic tests paired with R3465/R3463 modulation spectrum analyzers. All functions controllable from R3465/R3463 option 09 Host Analyzer Models: R3465 and R3463 series



MODEL

Advantest R3561L

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

R3561L

LISTING

<https://aumictechlabs.com/products/r3561l-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Advantest R3561L is a CDMA test source unit engineered for signal generation and verification of CDMA mobile communication devices, base stations, and mobile units operating in cellular and PCS frequency bands. It operates in conjunction with Advantest R3465 or R3463

Modulation Spectrum Analyzers - requiring optional CDMA Test Control (OPT. 09) - and delivers precise, standards-compliant waveforms essential for performance and compliance validation. Technical Specifications Frequency Range: 50 MHz to 2 GHz Frequency Resolution: 1 Hz Output Level: -125 dBm to 0 dBm Output Level Resolution: 0.1 dB Adjacent-Channel Noise: <-45 dBc (BW=30 kHz, 900 kHz offset, 0 dBm) Waveform Quality (ρ): ≥ 0.96 Modulated Signal Conformance: IS-95 standards Data Rates: All rates prescribed in IS-95 Key Features Built-in AWGN source for noise injection testing Tracking generator function Multiple data source modes: random, all 0s, random with 2% error injection, and user-defined via 600-frame buffer memory Full remote control via R3465/R3463 analyzers when OPT. 09 is installed Alternative compatibility with R3267 Spectrum Analyzer Typical Applications CDMA device and system performance evaluation Base station and mobile unit compliance testing Adjacent-channel interference assessment User-defined test sequence development and execution Compatibility & Integration Primary operation requires Advantest R3465 or R3463 Modulation Spectrum Analyzers with CDMA Test Control Option (OPT. 09) installed for integrated control. Can also interface with the R3267 Spectrum Analyzer. Horizontal orientation required during operation and storage; maintain 10 centimeters minimum clearance around air vents.

Features & description

From manufacturer datasheet

Built-in AWGN source

Tracking generator function All functions controllable from R3465/R3463 option 09 Technical Specifications Model: R3561L Instrument Type: CDMA test source unit Output Frequency Range: 50 MHz to 2 GHz Frequency Resolution: 1 Hz Waveform Quality: 0.96 Modulation Standard: IS-95 conforming Tracking Generator Function: included Awgn Source: built-in Host Analyzer Models: R3465 and R3463 series Host Control Option: option 09 required on R3465/R3463 Cellular System Coverage: supported Pcs System Coverage: supported Base Station Receiver Test: supported Mobile Station Receiver Test: supported Data Rate Coverage: applicable to all IS-95 data rates per OEM statement Related Family Model: R3561 Related Family Frequency Span: 800 to 2300 MHz on R3561 sheet Related Family Level Range: -125 to 0 dBm on R3561 sheet Related Family Level Resolution: 0.1 dB on R3561 sheet Related Family Harmonics: less than or equal to -30 dBc at 0 dBm on R3561 sheet Related Family Non Harmonics: less than or equal to -60 dBc offset greater than 10 kHz on R3561 sheet Related Family Phase Noise: less than or equal to -107 dBc/Hz at 50 kHz offset at 1000 MHz on R3561 sheet Related Family Eb No Range: 0 to 15 dB on R3561 sheet

R3561L Characteristics / Specifications

PARAMETER	VALUE
Model	R3561L
Instrument Type	CDMA test source unit
Output Frequency Range	50 MHz to 2 GHz
Frequency Resolution	1 Hz
Waveform Quality	0.96
Modulation Standard	IS-95 conforming
Tracking Generator Function	included
Awgn Source	built-in
Host Analyzer Models	R3465 and R3463 series
Host Control Option	option 09 required on R3465/R3463
Cellular System Coverage	supported
Pcs System Coverage	supported
Base Station Receiver Test	supported
Mobile Station Receiver Test	supported
Data Rate Coverage	applicable to all IS-95 data rates per OEM statement
Related Family Model	R3561
Related Family Frequency Span	800 to 2300 MHz on R3561 sheet
Related Family Level Range	-125 to 0 dBm on R3561 sheet
Related Family Level Resolution	0.1 dB on R3561 sheet
Related Family Harmonics	less than or equal to -30 dBc at 0 dBm on R3561 sheet
Related Family Non Harmonics	less than or equal to -60 dBc offset greater than 10 kHz on R3561 sheet
Related Family Phase Noise	less than or equal to -107 dBc/Hz at 50 kHz offset at 1000 MHz on R3561 sheet
Related Family Eb No Range	0 to 15 dB on R3561 sheet
Related Family Rf Connector	N type 50 Ohm on R3561 sheet

PARAMETER	VALUE
Related Family Power Consumption	300 VA or less on R3561 sheet
Related Family Mass	16 kg or less on R3561 sheet
Data Rate	Coverage: applicable to all IS-95 data rates per OEM statement

R3561L Specifications

PARAMETER	VALUE
Advantest R3561L CDMA Test Source 50 MHz to 2 GHz	Overview
Applications	CDMA base and mobile station receiver characteristic tests paired with R3465/R3463 modulation spectrum analyzers.
One unit covers cellular and PCS bands	IS-95 conforming modulated output
Technical Specifications	Model: R3561L

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes
From Advantest R3561L CDMA Test Source product literature for L-specific frequency span resolution waveform quality and analyzer pairing. Related Family rows cite the published R3561 stand-alone datasheet for shared architecture context and are labeled as such; use the L-specific datasheet for any L-only level accuracy limits.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.