

ANRITSU

MS2711D

The Anritsu MS2711D Spectrum Master is a handheld spectrum analyzer designed for field environments, covering a frequency range of 100 kHz to 3.0 GHz. Optimized for wireless system installation, maintenance, and interference troubleshooting, this portable instrument features a built-in standard preamplifier and supports multiple smart measurements, including channel power, ACPR, and carrier-to-interference ratio. It is lightweight, rugged, and battery-operated for mobile applications.

SPECIFICATIONS

Physical

Operating Temperature	-10 °C to 55 °C °C
Dimensions (W×H×D)	254 mm × 178 mm × 61 mm mm
Weight	2.22 kg kg

Frequency Specifications

Frequency Range	100 kHz to 3.0 GHz
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Resolution and Video Bandwidth

Resolution Bandwidth (RBW) Range	100 Hz to 1 MHz in 1-3 sequence
Video Bandwidth (VBW) Range	3 Hz to 1 MHz in 1-3 sequence

Amplitude and Level Specifications

Maximum DC Input Voltage	±50 VDC
Displayed Average Noise Level (DANL)	≤ -135 dBm typical (preamplifier on)

RF Input and Interface

RF Input Connector Type	Type N female
RF Input Impedance	50 Ω standard (75 Ω compatible with internal correction for adapter loss)
External Reference Input Frequency	10 MHz

Measurement Suites and Functions

Channel Power Measurements	Supported (smart measurement)
Adjacent Channel Power Ratio (ACPR)	Supported (smart measurement)
Occupied Bandwidth (OBW)	Supported (smart measurement)
Field Strength Measurement	Supported (with antenna factor correction)
AM/FM/SSB Demodulation	Built-in (with internal speaker and earphone jack)
Limit Lines	6 Markers, standard and segmented limit lines
Trace Averaging	Supported
Trace Overlay	Supported
Reference Level Offset	Supported

User Interface and Connectivity

Internal Trace Memory Capacity	Save up to 200 measurement traces
Internal Test Setups Capacity	Store up to 15 measurement test setups
Data Labeling	Alphanumeric labeling of saved measurements
Time and Date Stamp	Automatic stamp on saved data
User Interface Languages	English, Chinese, French, German, Japanese, Spanish

Power and Battery

Battery Type	NiMH, rechargeable and field-replaceable
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Options

Channel Scanner Option (Option 27)	Enables multi-channel power measurements
Power Monitor Option (Option 29)	Requires external detector (Anritsu 560 series)

External Reference

External Reference Input Impedance	50 ,
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Connectivity

RS-232 Baud Rate	9.6 kbps to 115.2 kbps
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TECHNOLOGY

RF/Microwave Spectrum Analysis

APPLICATIONS

Wireless infrastructure installation, maintenance, site surveys, and RF interference troubleshooting

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