

MS2712E
9 kHz to 4 GHz

MS2713E
9 kHz to 6 GHz

Compact Handheld Spectrum Analyzer

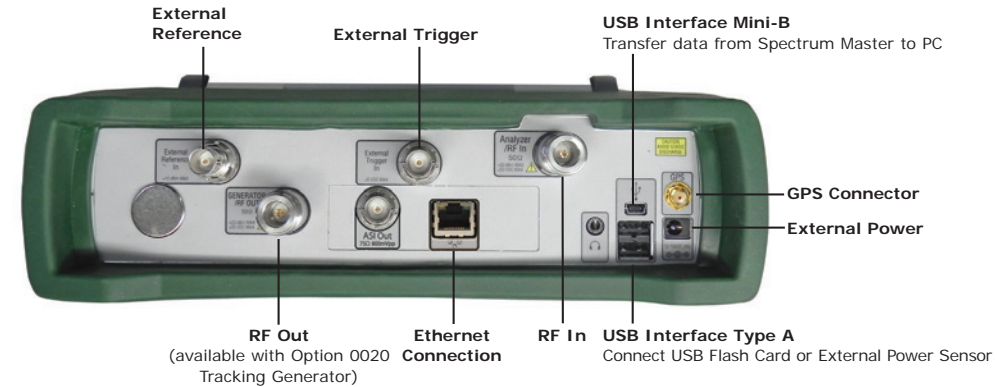
Best Performance in its Class

Anritsu's MS2712E and MS2713E Spectrum Master™ spectrum analyzers are designed to handle the most punishing field conditions and allow you to monitor, locate, identify, and analyze a broad range of cellular, land mobile radio, Wi-Fi, and broadcast signals. With a rich array of configuration options, these multifunctional handhelds eliminate the need for you to learn and carry multiple instruments when locating and identifying signals over wide frequency ranges. There is no other spectrum analyzer in this class that can deliver this level of performance.

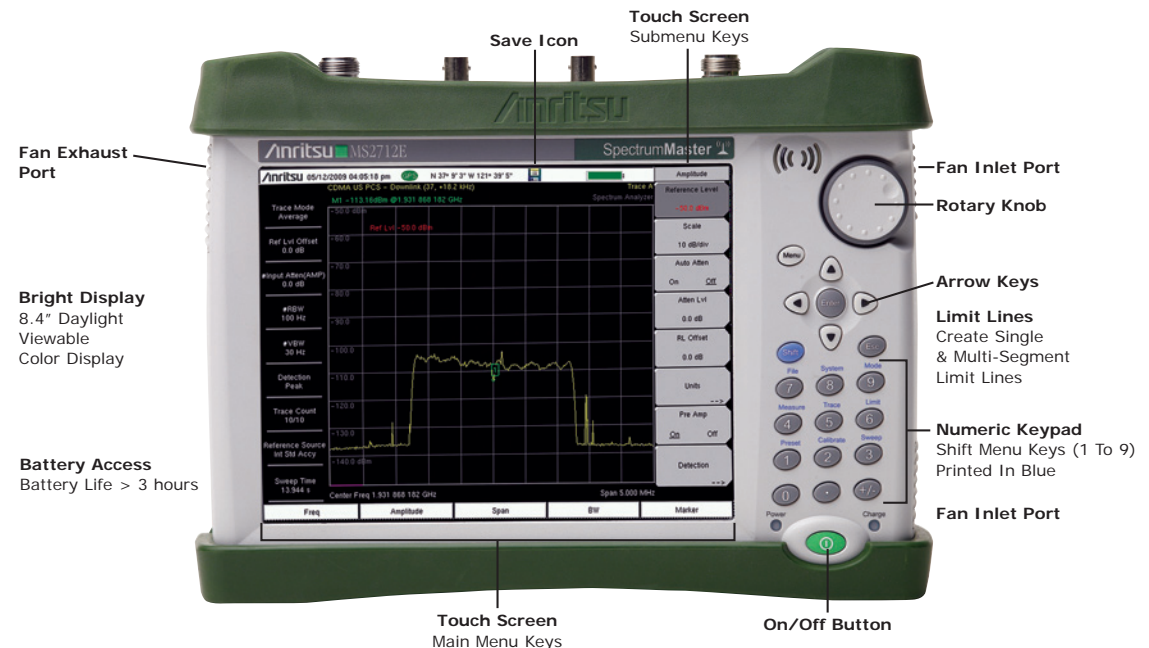
Spectrum Analyzer Key Features

- > Measurements: Occupied Bandwidth, Channel Power, ACPR, C/I, Spectral Emission Mask
- > *Interference Analyzer: Spectrogram, Signal Strength, RSSI, Signal ID, Interference Mapping
- > *Tracking Generator
- > *Coverage Mapping
- > *3GPP Signal Analyzers GSM/EDGE, W-CDMA/HSDPA, TD-SCDMA/HSDPA, LTE
- > *3GPP2 Signal Analyzers cdmaONE/CDMA2000 1X, CDMA2000 1xEV-DO
- > *IEEE 802.16 Signal Analyzers Fixed WiMAX, Mobile WiMAX
- > *ISDB-T Signal Analyzer
- > Dynamic Range: > 102 dB in 1 Hz RBW
- > DANL: -162 dBm in 1 Hz RBW
- > Phase Noise: -100 dBc/Hz max @ 10 kHz offset at 1 GHz
- > Frequency Accuracy: < ± 50 ppb with GPS On
- > Resolution Bandwidth (RBW) 1 Hz to 3 MHz in 1-3 sequences

*Optional



All connectors are conveniently located on the top panel, leaving the sides clear for handheld use.



File Management
Saves & Recall > 2000 Traces & Setups



Key Specifications

Spectrum Analyzer	
Frequency	9 kHz to 4 GHz (MS2712E), 9 kHz to 6 GHz (MS2713E) (usable to 0 Hz)
DANL	-162 dBm in 1 Hz RBW
Phase Noise	-100 dBc/Hz max @ 10 kHz offset at 1 GHz
Dynamic Range	> 102 dB in 1 Hz RBW
General	
Internal Trace	2,000 traces, 2,000 Setups
External Trace	Limited by size of USB Flash drive
Connectivity	Ethernet, USB cable, USB Memory Stick, and RJ45 connector for Ethernet 10-Base T
Display	Resistive Touchscreen, 8.4" daylight viewable color LCD, Resolution 800 x 600
Temperature	Operating Temperature -10 °C to 55 °C
Battery	Li-Ion, 3.0 hours, typical
Dimensions	273 mm x 199 mm x 91 mm (10.7 in x 7.8 in x 3.6 in)
Weight	3.45 kg, (7.6 lbs)

Standard Accessories

Part Number	Description
10920-00060	Handheld Instruments Documentation Disc
10580-00251	Spectrum Master User Guide
3-68736	Soft Carrying Case
2300-498	Master Software Tools (MST) CD Disc
2300-530	Anritsu Tool Box with Line Sweep Tools (LST) DVD Disc
633-44	Rechargeable Li-Ion Battery
40-168-R	AC-DC Adapter
806-141-R	Automotive Cigarette Lighter 12 VDC Adapter
3-2000-1498	USB A/5-pin mini-B Cable, 10 feet/305 cm
11410-00511	Spectrum Master MS2712E / MS2713E Technical Data Sheet
	One Year Warranty (Including battery, firmware, and software)
	Certificate of Calibration and Conformance

Optional Accessories

Portable Antennas



Test Port Cables, Armored



Options

Option Number	Description
Option 0009	10 MHz Bandwidth Demod
Option 0010	Bias Tee
Option 0019	High Accuracy Power Meter (Requires External Power Sensor)
Option 0020	Tracking Generator
Option 0025	Interference Analyzer
Option 0027	Channel Scanner
Option 0029	Power Meter
Option 0031	GPS Built-in Receiver (Requires Antenna P/N 2000-1528-R, sold separately)
Option 0030/32*	ISDB-T Digital Video/ISDB-T SFN Measurements
Option 0079	ISDB-T BER Measurements (Requires Option 30, cannot be ordered with Option 411)
Option 0040/41*	GSM/EDGE RF Measurements/GSM/EDGE Demodulation
Option 0042/43*	CDMA RF Measurements/CDMA Demodulation
Option 0033**	CDMA OTA Measurements
Option 0044/65*	W-CDMA/HSPA+ RF Measurements/W-CDMA/HSPA+ Demodulation
Option 0035*	W-CDMA/HSPA+ OTA Measurements
Option 0046/47*	Fixed WiMAX RF Measurements/Fixed WiMAX Demodulation
Option 0066/67*	Mobile WiMAX RF Measurements/Mobile WiMAX Demodulation
Option 0037**	Mobile WiMAX OTA Measurements
Option 0060/61*	TD-SCDMA/HSPA+ RF Measurements/TD-SCDMA/HSPA+ Demodulation
Option 0038*	TD-SCDMA/HSPA+ OTA Measurements
Option 0064/78*	DVB-T/H Digital Video Measurements/DVB-T/H SFN Measurements
Option 0057	DVB-T/H BER Measurements (Requires Option 64, cannot be ordered with Option 411)
Option 0062/63*	EV-DO RF Measurements/EV-DO Demodulation
Option 0034**	EV-DO OTA Measurements
Option 0090	Gated Sweep
Option 0411	Ethernet Connectivity (Cannot be ordered with Options 79 and 57)
Option 0431	Coverage Mapping (Requires Option 31), (MS2712E and MS2713E)
Option 0509	AM/FM/PM Analyzer
Option 0541/542/546*	LTE RF Measurements/LTE Modulation Only/LTE OTA Measurements
Option 0551/552/556*	TD-LTE RF Measurements/TD-LTE Modulation Only/TD-LTE OTA Measurements
Option 0098	Standard Calibration (ANSI 2540-1-1994)
Option 0099	Premium Calibration to Z540 plus test data

*Requires Option 9, **Requires Option 9 and Option 31 recommended

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