

Spectrum Master™ Ultraportable Spectrum Analyzer

MS2760A

9 kHz to 32/44/50/70/110/145/170 GHz

MS2762A

6 GHz to 32/44/50/70/110/145/170 GHz

For Rapid Evaluation of Automotive Radar

Frequency models to 170 GHz cover the international frequency bands of automotive FMCW radar systems. The small form factor is ideal for rapid characterizing of the radar chirp bandwidth, comparative measurements of the signal attenuation through various radome materials and viewing the pulse train format of radar chirps.



Main Features

- Ultra-compact with excellent portability
- Attaches to standard tripod ¼-20 mounting thread
- 155 x 84 x 27 mm and 255 g, eases positioning around the vehicle perimeter
- MS2762A models have 9 dB reduced noise floor for detection of weak or low level signals
- Controlled from PC with Windows 10 or 11 operating system connected by USB 3.0 interface

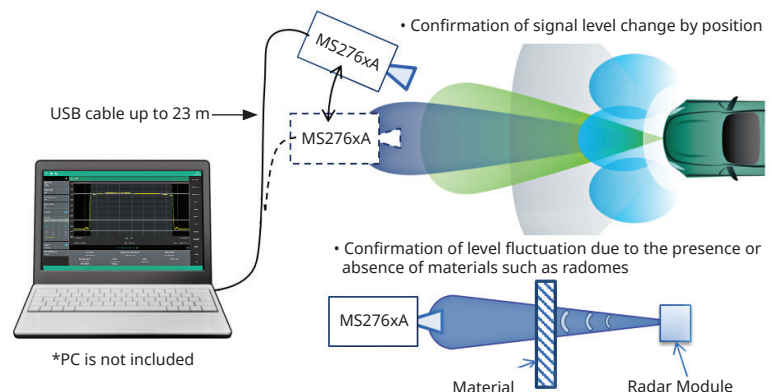
Key Specifications

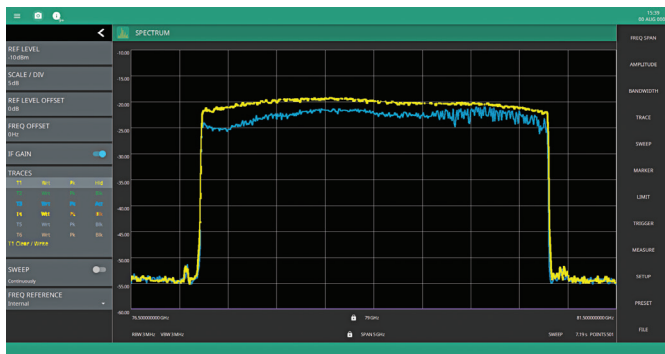
DANL: MS2760A: -127 dBm@110 GHz (typ)
MS2762A: -136 dBm@110 GHz (typ)

TOI: MS2760A: + 25 dBm@62 GHz
MS2762A: + 21 dBm@62 GHz

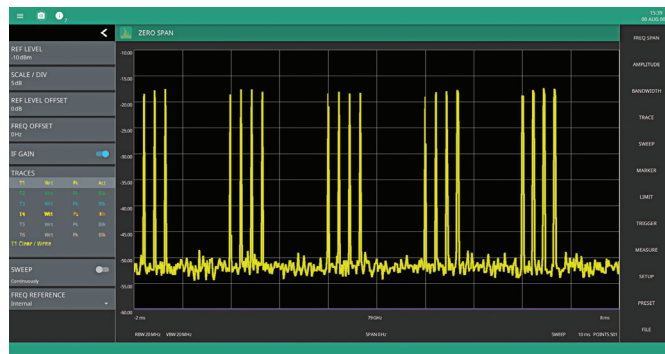
Key Features

- Channel power measurements
- Occupied bandwidth measurements
- RF spectrum of automotive radar chirps
- Spectrograms
- Zero span display of radar pulse train in time domain





Measurement Shows Loss Through Vehicle Bumper of 79 GHz Radar Pulse



Zero Span Shows Pulse Train of 79 GHz Radar Chirps

Ordering Information

Part Number	Frequency Range
MS2760A-0032	9 kHz to 32 GHz
MS2760A-0044	9 kHz to 44 GHz
MS2760A-0050	9 kHz to 50 GHz
MS2760A-0070	9 kHz to 70 GHz
MS2760A-0110	9 kHz to 110 GHz
MS2760A-0145	9 kHz to 145 GHz
MS2760A-0170	9 kHz to 170 GHz

Part Number	Frequency Range
MS2762A-0032	6 GHz to 32 GHz
MS2762A-0044	6 GHz to 44 GHz
MS2762A-0050	6 GHz to 50 GHz
MS2762A-0070	6 GHz to 70 GHz
MS2762A-0110	6 GHz to 110 GHz
MS2762A-0145	6 GHz to 145 GHz
MS2762A-0170	6 GHz to 170 GHz

Additional Information

MS2760A Ultra Portable Spectrum Masters deliver a revolutionary solution for spectrum analysis to 170 GHz. They are based on Anritsu's patented ShockLine technology for mmWave measurements. The small form factor is achieved by focusing on fundamental spectrum analysis and users should note the following restrictions:

- There is no input attenuator limiting performance in the presence of high power RF signals, nominally +10 dBm max input for measurements.
- Modulation quality measurements are not supported
- An external PC (not supplied) is required to power the MS276xA and to perform high speed FFT and signal processing
- The MS2760A employs unique software algorithms to minimize image responses that may appear under certain use cases when wideband modulated and multi-tone signals are being analyzed. Image rejection can be set to use upper or lower mixing products (no image rejection), or both for normal image rejection

If you would like more information, please visit us at:
www.anritsu.com/en-us/test-measurement/products/ms2760a