First Handheld Spectrum Analyzer with Frequency Coverage up to 43 GHz

Anritsu Company introduces the MS272xC Spectrum Master series that provides a very broad frequency range in a handheld spectrum analyzer. Providing frequency coverage up to 43 GHz in an instrument that weighs less than 8 lbs., the MS272xC series is also designed with an assortment of applications to test the RF physical layer, making it easier than ever for field technicians, monitoring agencies and engineers to monitor over-the-air signals, locate interferers, and detect hidden transmitters. Five models, with high-end frequency coverage of 9 GHz, 13 GHz, 20 GHz, 32 GHz and 43 GHz, respectively, are available in the new family.

The MS272xC Spectrum Master eliminates the need to carry heavy benchtop spectrum analyzers into the field to measure signals above 20 GHz, such as those used in microwave backhaul applications. To further lighten the load, the MS272xC Spectrum Master is integrated with a spectrum analyzer, and can be ordered with a channel scanner and interference analyzer to conduct all common field measurements, eliminating the need for multiple instruments. A number of 3G/4G options can be easily incorporated into the handheld spectrum analyzers to measure LTE, HSPA+, W-CDMA, CDMA/EV-DO, GSM/EDGE, TD-SCDMA/HSDPA, and WiMAX signals.

Users can monitor and measure the spectrum quickly, as the MS2726C Spectrum Master has a fast sweep time of 27 seconds for a 43 GHz span with a 30 kHz RBW. Accuracy is not sacrificed for speed, however, as the MS2726C series delivers excellent phase noise of -100 dBc/Hz at 10 kHz offset at 1 GHz and dynamic range of 101 dB. Designed with a broadband preamplifier, the handheld spectrum analyzers have high sensitivity of -159 dBm at 1 GHz and -145 dBm at 43 GHz to detect small signals. An intuitive menu-driven screen makes it easy to conduct all measurements.

Source URL (retrieved on *04/16/2014 - 6:40pm*):
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