

Burst Detect Mode for Easier, More Accurate Method of Locating Narrow Signals

Anritsu Company introduces a burst detection enhancement for its MS272xC Spectrum Master handheld spectrum analyzer that makes it much easier for field



engineers and technicians to find narrow signals that may cause interference and adversely affect the performance of wireless networks. The Burst Detect mode extends the industry-leading performance of the MS272xC Spectrum Master analyzers, which feature the industry's first 32 GHz and 43 GHz models, giving users powerful test tools for their field requirements.

As many as 20,000 measurements per second – thousands of times faster than a normal FFT – can be made with the new Burst Detect method. The result is that users can see 200 microsecond pulse trains every time, making it much easier to find burst signals, such as those generated by improperly installed cell phone boosters.

The fast measurement time and subsequent ability to detect burst signals missed by other handheld spectrum analyzers is achieved, in part, by the ability of the MS272xC to conduct a “Max Hold” function in hardware. For every display update, the Max Hold is reset, making it possible to see changes in the signal. All trace modes, including Max Hold, Min Hold and Average, are available with this new Burst Detect method.

Combining 30 analyzers in a single instrument that offers leading performance, including resolution bandwidths from 1 Hz to 10 MHz, advanced triggering, and a 30 MHz zero-span IF output, the MS272xC family provides wireless professionals with the analysis capability necessary to meet the most demanding measurements. Whether the application is spectrum monitoring, hidden signal detection, RF/microwave signal measurements, microwave backhaul testing or cellular signal measurements, the Spectrum Master MS272xC family has tools to make the job easier and more productive.

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[1] <http://www.anritsu.com>