

Spectrum Master™ MS2721A

TECHNICAL NOTE

High Performance Handheld Spectrum Analyzer for Medical Applications

Anritsu MS2721A Spectrum Master

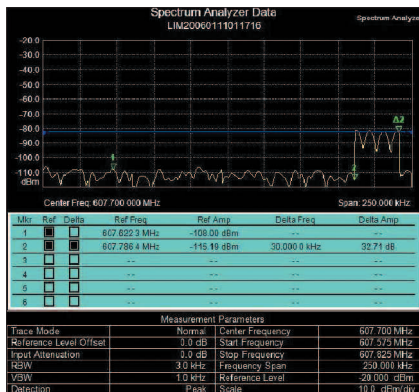
You can take medical interference detection to the next level with the Anritsu MS2721A Spectrum Master. Are you tired of spending time stuck in an equipment closet hoping to see an intermittent interfering signal? Free yourself from the closet with the MS2721A. You can set up the instrument to save signals of interest for later review, even in the middle of the night or on weekends. You can be doing more important things while the instrument diligently monitors the frequency range you selected.

The Ideal Tool

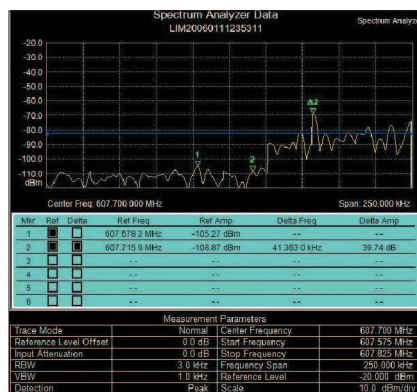
The MS2721A is the ideal tool for finding medical telemetry interference. You can set up a limit line that is higher than the normal signal levels.

You Can Save Sweeps of Interest

When an interfering signal occurs the measurement can be automatically saved by using the built-in “Save on Event” function. Depending on the nature of the interference, you may get a few saved measurements, or you may get many.



A Discrete Interfering Signal

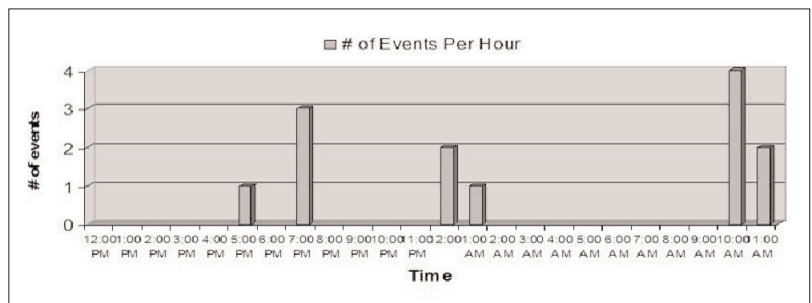


Interfering Noise

Do Easy Data Analysis

The time of day that interference occurs can give clues to its resolution. After the instrument has saved interesting measurements, you can download the measurements into a PC using the Master Software Tools package included with every instrument at no charge. The software can easily create a spectrogram of your saved measurements. You can extract valuable information by viewing the measurement in different ways.

- **Spectrogram** – Shows All the Measurements on One Screen
- **Peak Power** – Shows, Over Time, the Highest Power Level of Each Measurement
- **Total Power** – Shows the Total Power Contained in Each Captured Sweep
- **Peak Frequency** – Shows, Over Time, the Frequency Whose Power was Highest
- **Time Chart** – Shows the Time Distribution of the Captured Measurements
- **Average** – Shows the Peak, Average, and Minimum Power Over Time



View When Interference Occurs Over Time

Make a Movie!

Master Software Tools can even create a movie of the spectrogram. Imagine the power of showing your customer a movie that clearly shows the interference as you describe how to solve the problem!

Add to the Power

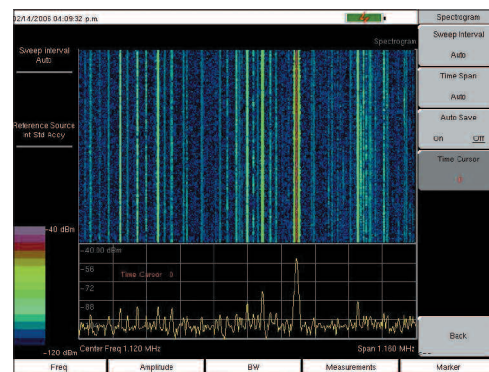
The Anritsu Spectrum Master MS2721A can be ordered with optional functionality to extend its already prodigious capability.

Interference Analysis (Option 25)

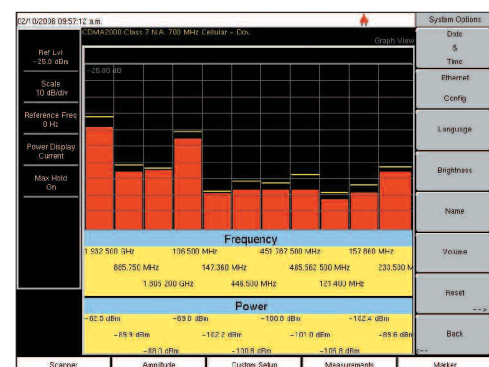
With this option you can view a spectrogram of the frequency range you select so you can see what is happening over time. Also included in the option is a signal strength meter with audible signal strength indicator – great while looking for an interferer. A received signal strength indicator (RSSI) is included so you can monitor variations in signal strength of a telemetry transmitter over time

Channel Scanner (Option 27)

Set up the instrument to only monitor the frequency ranges of interest so you can concentrate on finding a solution. You can completely customize each displayed channel to optimize your view of the situation.



See What is Happening in the Spectrum of Interest



Concentrate on the Signals of Interest

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