

Product Description:

Anritsu MS2702A 100Hz to 24.5GHz Spectrum Analyzer

The Anritsu MS2702A spectrum analyzer is a wide band, very sensitive receiver. It works on the principle of "super-heterodyne receiver" to convert higher frequencies (normally ranging up to several 10s of GHz) to measurable quantities. The received frequency spectrum is slowly swept through a range of pre-selected frequencies, converting the selected frequency to a measurable DC level (usually logarithmic scale), and displaying the same on the CRT of the Anritsu MS2702A. The CRT displays received signal strength (y-axis) against frequency (x-axis).

Some applications for Anritsu MS2702A Spectrum Analyzers include Site Monitoring: Verify that the frequency and signal strength of your transmitter is accurate. Interference: Before a system is installed you use a Anritsu MS2702A spectrum analyzer to verify that the frequencies (you plan to use) are not occupied or if the presence of a very strong signal will interfere with your new setup. Interference can be created by a number of different situations. Other tests that utilize the Anritsu MS2702A spectrum analyzer features include antenna isolation, co-channel interference, adjacent channel power, occupied bandwidth, intermodulation, microwave or satellite antenna alignment, and characterization of components.

Performance Characteristics of the MS2702A

Form Factor	Benchtop
Input Impedance	50 Ohm
Minimum Frequency	100 Hz
Maximum Frequency	24.5 GHz
Zero Span	Yes
Minimum Span	100 Hz
Maximum Span	24.5 GHz
Minimum Sweep Time	50 ms
Maximum Sweep Time	2000 s
Minimum Resolution Bandwidth	10 Hz
Maximum Resolution Bandwidth	3 MHz
Resolution Bandwidth Steps	1/3/10
Minimum Video Bandwidth	1 Hz
Maximum Video Bandwidth	3 MHz
Video Bandwidth Steps	1/3/10
Maximum Single-Side-Band Noise	-103 dBc/Hz
Minimum Displayed Average Noise	-135 dBm
Maximum Displayed Average Noise	-110 dBm
Connector type (main signal)	Type-K(f)
Probe Power	No
Noise Source Driver	No

Programmability/Connectivity of the MS2702A

User Interface	Proprietary
Ports to Peripheral Devices	GPIB
Test Pattern Storage	4 Patterns
Data Storage Type	PCMCIA

MS2702A Life Cycle Data

Out of Production	Jan-01-2005
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MS2702A Compliance

CE Compliance	Not on file
UL Compliance	Not compliant

MS2702A Power Requirements

Input Power	Universal (Auto Sense and Switch)
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MS2702A Physical Dimensions

Width: 426 mm(16.77 in)
Height: 177 mm(6.96 in)
Length: 451 mm(17.75 in)
Weight: 26 kg(57.31 lb)

MS2702A Standard Accessories

F0012 /Fuse,3.15A /Qty:2
F0014 /Fuse, 6.3A /Qty:2
J0017 /Power Cord, 2.5m /Qty:1
J0524 /Coaxial cord, 1m /Qty:1
J0525 /Coaxial Adaptor /Qty:1
P0005 /Plug-in Memory Card /Qty:1
W0592A /MS2802A/MS2702A Operation Manual /Qty:1
W0592BE /MS2802A/MS2702A Service Manual /Qty:1