







26.5 GHz-40 GHz	-144 dBm
<b>Displayed Average Noise Level (DANL)</b> RF attenuation 0 dB, Normalized to RBW=1 Hz.	
<b>Without Pre-amplifier</b> 20 Hz-9 kHz 9 kHz-200 MHz 200 MHz-18 GHz 18 GHz-26.5 GHz 26.5 GHz-40 GHz	-55 dBuV -58 dBuV -55 dBuV -70 dBuV -70 dBuV
<b>Immunity to Interference</b> Image Frequency Intermediate Frequency Spurious response, f>1 MHz, 0 dB RF attenuation, without input signal	>80 dB. >80 dB <-110 dBm
<b>Characteristic Level Display ( Receiver Mode)</b>	<b>Specification</b>
<b>Level Display Resolution:</b> Digital Analog Dynamic Readout	0 dB 0.1 dB 150 dB
Uncertainty of attenuator settings, 0 to 70 dB, referenced to 10 dB RF Attenuation	+/-0.5 dB
Units of Level Display:	dBm, dBuV, dBuA, dBuV/m, dBuA/m, dBmV, dBpT
Simultaneous Detectors:	Peak, Quasi Peak RMS, RMS/Average, Average
<b>Dynamic Range</b> (1 dB Compression Point/ Equivalent Input Noise Density) 20 Hz-20 kHz 20 kHz-600 MHz 600 MHz-2 GHz 2 GHz-26.5 GHz 26.5 GHz-40 GHz	>150 dB >153 dB >150 dB >148 dB >134 dB
<b>Noise Figure</b> 20 Hz-20 kHz 20 kHz-600 MHz 600 MHz-2 GHz 2 GHz-26.5 GHz 26.5 GHz-40 GHz	<12 dB <9 dB <12 dB <20 dB <34 dB
Video Linear Dynamic Range	>50 dB
Video Output Level (50Ω)	0 to 4 V
Signal Monitor at 21.4 MHz, 20 MHz Bandwidth	-107 dBm to 10 dBm
Detectors	AM
<b>Characteristic Level Display</b>	<b>Specification</b>
<b>Screen</b>	TFT, 640 X 480
Linear Level Display Range	>30 dB
Number of Tandem (one after another) Traces	20

Trace Detectors, in the Measure Mode	Peak, Quasi Peak, Average, RMS
Number of Measurement Points	1,000,000 per Segment Out of 20 Segments possible
Units of Level Axis Logarithmic Level Display	dBm, dBuV, dBuA, dBuV/m, dBuA/m, dBmV, dBpT
Measurement Accuracy (S/N>10dB)	+/- 2 dB
Quasi Peak Indication	+/- 2 dB
Demodulation Modes	AM
Audio Output	>3Vp-p, 20 Hz to 20 kHz
<b>Input and Outputs (rear panel)</b>	
<b>RF Input</b>	
Connectors	BNC female
Impedance	50Ω
IF Output	-80 dBm to 15 dBm
IEC/IEEE bus remote control	IEEE – 488.2
Connectors	24 pin D sub
Command Set	SCPI 1988
Serial Interfaces	Included
Printer Interfaces	Parallel port
USB Interfaces	Included
Connector for External Monitor (VGA)	Included
Display	TFT, 640X480 External monitor will enable enhanced resolution
<b>Mass Memory</b>	
Data Storage	160 GB hard disc, 7200 RPM
Storage Temperature Range	-20°C to +50°C
Climatic Loading (IEC 60068-2-30:2002-02)	0% to 80% non condensing
<b>Power / Safety</b>	
AC Supply	24 VDC, +/- 5% 96 to 258 VAC, 47 to 400 Hz
Power Consumption	300 W
Safety	UL
Test Marks	CE, UL
Recommended Calibration Interval	Operation with Internal Reference 1 Year
Connector	N/SMA female 20 Hz to 26.5 GHz TNC, 26.5 GHz to 40 GHz
<b>VSWR</b> RF Attenuation <10 dB, AC coupled 20 Hz to 40 GHz	<2.5
Setting Range of Attenuator	0 to 70 dB in 10 dB steps
Keyboard Connector	PS/2 female for MF-2 keyboard.
<b>Audio Output</b>	
Connector	3.5 mm Mini Jack
Impedance	8 OHMS
Voltage	>3Vp-p
Frequency range	20 Hz to 20KHz

Open circuit voltage	>1V RMS flat 20 Hz-20 kHz
<b>Mechanical / Environmental</b>	
Power	170 watts, 90/260 VAC, 47 – 63 Hz, 24 Volt DC
Weight	45 lbs (21 kg) <b>Total System Weight</b>
Cooling	Built-in low velocity fan
Mounting	Rack Mount
Temperature Range	+10 to + 40°C
Storage Conditions	-20 to 50°C
Humidity Range	0% to 80%
<b>Software</b>	
Operating System	Windows XP/VISTA <b>Installed &amp; CD &amp; License Included</b>
Application	EMIT Software <b>Installed &amp; CD &amp; License Included</b>
<b>Documentation</b>	
DSI-600 EMI Test Measurement Receiver System Technical Manual	
DSI-600 EMI Test Measurement Receiver System User Manual	
DSI-600 EMI Spectrum Analyzer Operator's Manual	
Certificate of Calibration	
Warranty Certificate	
Certificate of Conformance/Compliance & Software Licenses	
<b>Options</b>	
19 Rack Mount Shipping Case with Shock Mounts	
Portable Antenna Kit DC to 1 GHz	
Antenna 1 GHz to 26.5 GHz	
Antenna, 18 GHz to 26.5 GHz	
Antenna, 26.5 to 40 GHz <b>(required w/DSI-600-40)</b>	
Various Cables & Connectors	
Line Impedance Stabilization Network (LISN)	
Rack Mount Computer	
Various Monitors	
Microsoft Office	

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