AVCOM Of Virginia Inc.
www.avcomofva.com
7729 Pocoshock Way
N Chesterfield, VA 23235
804-794-2500

D&T RSA SERIES

Dual & Triple Rack Mount 2.3GHZ & L-Band Remote Spectrum Analyzer

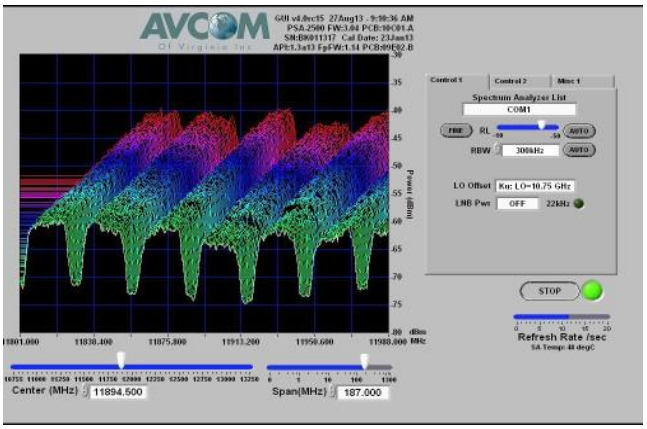
- Choice Of Two or Three Independent Spectrum Analyzers Packaged Together
- 1U Rack Mount Chassis
- Allows For Simultaneous Monitoring and Control of Two or Three Separate Carriers at The Same Time
- Ideal Where Rack Space Is Limited
- Precise And Accurate Amplitude and Frequency Response
- Full Remote Control and Monitoring Via Ethernet/USB/RS-232 Using Free Remote-Control Software (GUI)

Two & Three Spectrum Analyzers in a 1U Rack Mount Configuration

The D/TRSA utilizes two/three single board SBS spectrum analyzers in a 1U chassis offering two/three discrete inputs, all of which can be monitored and controlled simultaneously. This allows simultaneous real time monitoring and analysis of the desired carriers on the same screen via AVCOM remote control software. If your rack space is limited and you have the need for multiple spectrum analyzers, then this system offers space saving advantages in a 1U package. Each board supports its own Ethernet/USB/RS-232 connectivity. When multiple screens are used in the GUI, this allows for real time monitoring of all carriers at the same time.

Performance & Specifications

The D/TRSA is designed for the measurement and analysis of communications and broadcast carriers, making uplink, downlink, L-Band carriers, IF, and 10MHz reference signals easy to measure, monitor, and store. The D/TRSA provides excellent frequency and amplitude accuracy along with resolution bandwidth (RBW) selection from 10kHz to 1Mhz. This is required to allow viewing and monitoring of small Telemetry, Tracking, Command Systems (TT&C), data carriers found in many satellite communications markets, spread spectrum, and Wi-Fi as well. Making the RBW smaller is like zooming in on a carrier and magnifying a smaller portion of it to see more detail of the signal. Variable reference levels (RL) from -10dB to -50dB make viewing of smaller to larger signals possible. Zoom provides viewing at -2 dB RL for close up inspection when doing signal analysis. This also makes maximizing a satellite dish a snap.



Versatile Remote-Control Software

The D/TRSA can be monitored and controlled both locally from the front panel and remotely using the Avcom Remote Control Software via serial port or Ethernet. The Remote-Control Software has an intuitive user interface that is easy to use with no special training required. It allows remote monitoring and control from your network or over the
internet. Features include screenshot capture recording, SNMP for alarm/monitoring, markers, cross-polling and Automated Data Acquisition (DAQ) with tolerance comparison and integrated email alerts, to name a few. Up to twelve windows can be displayed at one time. The GUI is capable of saving and recalling an unlimited number of screenshots and integrates with the D/TRSA to upload or download saved waveforms from the analyzer's internal user memory locations. The Remote-Control Software is available for Windows.

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D&T RSA SERIES - TECHNICAL SPECIFICATIONS DATA

PARAMETER	PERFORMANCE
FREQUENCY RANGE:	D/TRSA-2500B: 5MHz – 2,300MHz
SPAN WIDTH:	Up to 1300 MHz (Dependent on Center Frequency)
RESOLUTION BANDWIDTH:	10KHz, 100KHz, 300KHz, 1MHz
RF SENSITIVITY:	Greater than -85 dBm Typical
REFERENCE LEVELS:	Selectable -10 dBm to -50dBm in 5 dBm increments
SCALE:	5 dB/Div & 2 dB/Div
DYNAMIC RANGE:	50dBm GUI window
AMPLITUDE ACCURACY:	± 1 dB typical
FREQUENCY ACCURACY:	± 1KHz typical
MAX RF INPUT:	25 VDC MAX (DC Blocked), +30dBm (1W)
INPUT IMPEDANCE:	50 Ω
AMPLITUDE RANGE:	0 dBm to -85 dBm
INPUT CONNECTOR:	BNC is standard. F and TNC available
OPERATING TEMPERATURE RANGE:	-10°C to +60°C
SIZE:	19” W x 18” L x 1.75” H (DRSA) 19” W x 10” L x 1.75” H (TRSA)
WEIGHT:	5.4lbs (DRSA) - 6.4lbs (TRSA)
POWER REQUIREMENTS:	+15 VDC/9W

Accessories include universal AC adaptor (100 to 240Vac), AC cord, and software.

https://www.avcomofva.com/labview-legacy-gui-software/