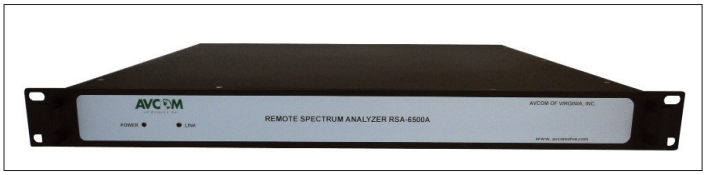
VINCOR LTD.

AVCOM Of Virginia Inc.

RACKMOUNT SPECTRUM ANALYZERS

RACK MOUNT 1.1GHZ, 2.5GHZ, & L-BAND REMOTE SPECTRUM ANALYZER



RSA - 6500A

- Wideband Frequency Range From 5MHz to 6.5GHz
- Teleport Ready
- 1U Rack Mount Chassis
- Easily Integrated Into OEM Applications
- Easily Integrated Into Custom Applications
- Ability to Monitor C-Band and S-Band Transmit (Tx) and Receive (Rx) Signals
- Teleport And SNG Ready
- Precise And Accurate Amplitude And Frequency Response
- Full Remote Control And Monitoring Via Ethernet/RS- 232 Using Free Remote Control Software
- Options Include Preamp, Attenuator, And LNB Power*

RACK MOUNT DESIGN FOR REMOTE MONITORING AND CONTROL

The RSA-6500A offers a wide range of frequency coverage including the HF, VHF, UHF, L, S, and C bands. C-Band and S-Band (uplink and downlink) and IF frequencies can be monitored with a single unit. Additional inputs available for what- ever the application calls for. Visit any teleport and there is a good chance that you will see an AVCOM RSA spectrum analyzer operating in the rack. The RSA offers the integrator total flexibility in a 1U chassis. Configuration option makes the RSA the spectrum analyzer of choice with many SATCOM locations. It should be noted that individual inputs cannot be monitored simultaneously with the RSA, but up to 12 different RSA's can be monitored simultaneously from a central location using the AVCOM remote control software. Whether you need a custom design or a simple design for your SAT- COM needs, the RSA offers versatility at its best.

PERFORMANCE & SPECIFICATIONS

The RSA is designed for the measurement and analysis of communications and broadcast carriers. Uplink, downlink, L-Band carriers, IF, and 10MHz reference signals are easy to measure, monitor, and store. The RSA 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 peaking a satellite dish a snap.

VERSATILE REMOTE CONTROL SOFTWARE

The RSA can provide discrete remote monitoring and control from anywhere in the world. The RSA is monitored and controlled 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. The rich feature set includes: screen shot capture recording, SNMP for alarm/ monitoring, markers, 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 Remote Control Software is available for Windows, Mac, and Linux.

Vincor, Ltd.
5652 W. Monee-Manhattan Road
Monee, IL 60449 U.S.A.

sales@vincor.com
www.vincor.com

T:708.543.0008
T:888.284.6267

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FREQUENCY RANGE:	**Inputs 1-3: 5MHz – 2,500MHz Input 4: 2.5GHz – 4.2GHz Input 5: 3.5GHz – 5.5GHz Input 6: 5.5GHz – 6.5GHz**
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, -30 dBm, & -50dBm (front panel) (5dBm increments in GUI)**
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 (standard) 0 dBm to -105 dBm (preamp option) +10 dBm to -65 dBm (attenuator option)**
INPUT CONNECTOR:	**Input 1: "BNC" is standard. N, F, TNC, SMA. Inputs 4-6: N available**
LNB POWER:	**13-18V, 22kHz (optional)**
OPERATING TEMPERATURE RANGE:	**-10°C to +60°C**
SIZE:	**19" W x 18" L x 1.75" H**
WEIGHT:	**7.8lbs**
POWER REQUIREMENTS:	**+15 VDC/9W**

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