

## Rack-mount Extended L-Band Spectrum Analyzer

### EVO-RSA-2290A

- SDR Technology
- Extended L-BAND
- Up to 16 Inputs Available
- Ethernet Remote M & C via included EVO-GUI Software



#### Rack Mount for Performance and Reliability

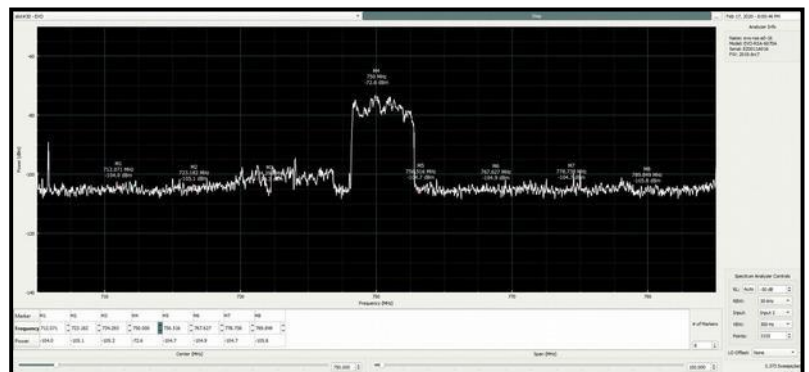
Software-defined-radio spectrum analyzer for remote spectrum monitoring of L-band signals in a versatile 1RU enclosure. Remote access over ethernet utilizing included Avcom's EVO-GUI software, or user-defined API. Provides system integrator and end-user total flexibility in configuration of many features such as, markers, shape alarms and recording. Robust hardware design based on field-proven years of experience provides a cost-effective yet reliable analyzer for many applications.

#### Versatile Remote Control Software

The EVO-RSA is designed for the measurement and analysis of communications and broadcast carriers, making Satcom link, L-Band carriers, easy to measure, monitor, and store. The EVO-RSA provides excellent uplink, downlink frequency and amplitude accuracy along with resolution bandwidth (RBW) selection from 10kHz to 1Mhz. This is required to allow viewing and monitoring of Telemetry, Tracking, Command Systems (TT&C), data carriers found in many satellite systems, spread spectrum, and Wi-Fi as well. Variable reference levels (RL) from -10dB to -50dB make viewing of smaller to larger signals possible.

**"Following the Signal"**, and listening to our customers, this series is perfectly suited to provide functionality in earthstations, teleports, and RF signal monitoring environments. The EVO-GUI software pairs perfectly with all Avcom analyzers for demanding applications which require the extended performance characteristics, while still providing low cost-of-ownership and a highly cost-effective and reliable professional product.

Visit [www.avcomofva.com/EVO-GUI](http://www.avcomofva.com/EVO-GUI) to download your free copy



## EVO-RSA-2290A

### TECHNICAL SPECIFICATIONS

FREQUENCY RANGE:	900 MHz to 2200 MHz
SPAN WIDTH:	Up to 1100 MHz
RESOLUTION BANDWIDTH:	1kHz, 3kHz, 10kHz, 100kHz, 300kHz, 1MHz
REFERENCE LEVELS:	Selectable -10 to -40 dBm in 5 dB increments
SFDR:	60dB
AMPLITUDE ACCURACY:	± 1 dB typical
SCALE:	5 dB/Div & 2 dB/Div
USABLE RANGE:	-100 to -10 dBm
FREQUENCY ACCURACY:	± 1kHz typical
MAX RF INPUT:	25 VDC MAX (DC Blocked); +0 dBm
INPUT IMPEDANCE:	50 Ω
INPUT CONNECTOR:	SMA- 1-Input, standard
PORT-TO-PORT ISOLATION:	50dB typical
RETURN LOSS:	-15 dB
NOISE FLOOR (min atten)	-xxx dBm/Hz
NOISE FLOOR (max atten)	-xxx dBm/Hz
NOISE FIGURE (RL=-60dBm)	2.1 dB
PHASE NOISE @ 10 kHz (3 GHz)	-83 dBc/Hz
PHASE NOISE @ 100 kHz (3 GHz)	-85 dBc/Hz
PHASE NOISE @ 1 MHz (3 GHz)	-96 dBc/Hz

## EVO-RSA-2290A

### TECHNICAL SPECIFICATIONS

OPERATING TEMPERATURE RANGE:	-20° C to +60° C
ENCLOSURE DIMENSIONS SIZE:	19W x 18L x 1.75H (in); 48.26 x 45.72 x 4.44 (cm)
WEIGHT:	7 lbs; 3.2 kg
POWER REQUIREMENTS:	+15 VDC/9W

OPTIONS:	Y - Attenuator -70 dbm Reference Level
	# - Additional Inputs; 2, 4, 8, 16
	LNB Power; 13V/26V
	Attenuator; +10 dB Reference Level

**ACCESSORIES INCLUDED WITH ANALYZER :** Universal AC adaptor (100 to 240Vac)  
AC cord with IEC Type 1, EVO-GUI software for PC, and Ethernet cables.

Production Release. Specifications subject to change. ©2022 Avcom of Virginia, Inc. Rev1