Rack-Mount Extended L-Band Spectrum Analyzer

EVO-RSA-2290A

- SDR Technology
- Extended L-BAND; 900-2200 MHz
- Span up to 1100 MHz
- Up to 12 Inputs Available
- Ethernet Remote M & C via included EVO-GUI Software
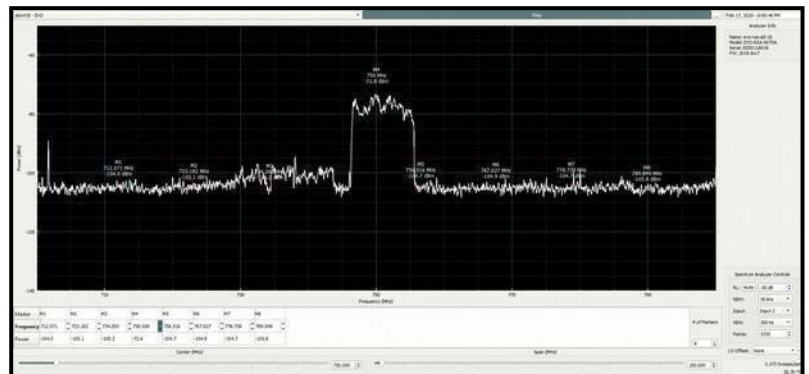
Rack Mount for Performance and Reliability

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 record. The EVO-RSA provides excellent uplink, downlink frequency and amplitude accuracy along with resolution bandwidth (RBW) selection from 1kHz 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 -40dB 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 earth stations, 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 to download your free copy

EVO-RSA-2290A

TECHNICAL SPECIFICATIONS

FREQUENCY RANGE:	900-2200 MHz
SPAN WIDTH:	Up to 1100 MHz
RESOLUTION B A N D W I D T H:	1kHz, 3kHz, 10kHz, 100kHz, 300kHz, 1MHz
REFERENCE LEVELS:	Selectable -10 to -40 dBm in 5, 10dB increments
SFDR:	60dB
AMPLITUDE ACCURACY:	± 1 dB typical
USABLE AMPLITUDE RANGE:	-100 to -10 dBm
FREQUENCY ACCURACY:	± 1 kHz typical
PORT-To-PORT ISOLATION:	50 dB typical
MAX RF INPUT:	25 VDC MAX (DC Blocked); +0 dBm
INPUT IMPEDANCE:	50 Ω
INPUT CONNECTOR:	SMA- 1-Input, standard
RETURN LOSS:	-15 dB
NOISE FLOOR (min atten, 3kHz RBW)	-100 dBm, -134 dBm/Hz
NOISE FLOOR (max atten, 3kHz RBW)	-70 dBm, -104 dBm/Hz
NOISE FIGURE (RL=-40dBm)	2.1 dB
PHASE NOISE @ 10 kHz (2 GHz)	-83 dBc/Hz
PHASE NOISE @ 100 kHz (2 GHz)	-85 dBc/Hz
PHASE NOISE @ 1 MHz (2 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
OPTIONS:	Y – Attenuator
	# - Additional Inputs; 2, 4, 6, 8, 10, 12
	LNB Power; 13 Vdc
	Pre-amp; +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.