

NEWSPACE MARKET · COMPANY PROFILE



AVCOM of Virginia

United States · avcomofva.com

14

PRODUCTS

12

WITH DATASHEETS

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as of 20 August 2026

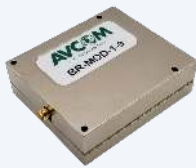
AVCOM of Virginia

AVCOM of Virginia Inc. was founded in 1976 and initially served the satellite communications industry with its PSR-3 Satellite Receiver.

Over nearly five decades, the company has grown into a vertically integrated manufacturer with deep expertise in RF spectrum analysis and satellite signal monitoring. AVCOM designs and builds its products in-house, serving systems integrators, antenna controller manufacturers, and satellite operators worldwide. Their product lines span embedded board-level receivers, rackmount units, and standalone L-Band devices, all engineered for demanding stationary and on-the-move satellite applications.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

Product catalogue



AVCOM OF VIRGINIA

BR-MOD (Series)

The BR-MOD (Series) is a satellite beacon receiver designed for embedded applications, capable of tracking CW, BPSK, and DVB-like carrier signals, and also functions as a full-func

INPUT CONNECTORS		SMA
NOMINAL INPUT IMPEDANCE		50 Ω (SMA)
MAX DC INPUT VOLTAGE		25V
INPUT FREQUENCY RANGE:	MIN (MHz) 900, MAX (MHz) 2200	
MODEL 2290 (Default)		
INPUT FREQUENCY RANGE:	MIN (MHz) 400, MAX (MHz) 3000	
MODEL 3040		
INPUT FREQUENCY RANGE:	MIN (MHz) 70, MAX (MHz) 6000	
MODEL 6070		
MAX SPAN WIDTH		1300 MHz

[price on request](#) [datasheet](#)



AVCOM OF VIRGINIA

DRSA-2500B / TRSA-2500B Dual/Triple Spectrum Analyzer

Dual or triple embedded spectrum analyzers in 1U rack, for simultaneous multi-carrier satellite signal monitoring.

Frequency Range	5 MHz – 2,300 MHz
Span Width	Up to 1300 MHz
Resolution Bandwidth	10 kHz, 100 kHz, 300 kHz, 1 MHz
RF Sensitivity	>-85 dBm typical
Dynamic Range	50 dBm GUI window
Amplitude Accuracy	±1 dB typical
Frequency Accuracy	±1 kHz typical

[price on request](#) [datasheet](#)



AVCOM OF VIRGINIA

EVO-CLM (Rev B) Compact Spectrum Analyzer

Compact spectrum analyzer built on DSP/FPGA platform, supports Ethernet/USB, 900–3000 MHz or 400–3000 MHz.

Frequency Range (Model 2290)	900–2200 MHz
Frequency Range (Model 3040)	400–3000 MHz
Max Span Width	1300 MHz
Resolution Bandwidth	1 kHz, 3 kHz, 10 kHz, 30 kHz, 100 kHz, 300 kHz, 1 MHz
RF Sensitivity (-40 REF LVL)	-100 dBm
Spur Free Dynamic Range (3 kHz RBW)	60 dB
Noise Floor (-40 REF LVL, 3 kHz RBW)	-100 dBm / -134 dB/Hz

[price on request](#) [datasheet](#)



AVCOM OF VIRGINIA

EVO-RSA Rev B

The EVO-RSA is a rack-mount, extended-band RF spectrum analyzer with up to 12 inputs, built on a new DSP/FPGA platform for reliable signal monitoring and control in satcom ground-s

Input Connectors	SMA, BNC, F, and/or N
Nominal Input Impedance	50 Ω (SMA, BNC, N); 75 Ω (F)
Max DC Input Voltage	25 V
Input Frequency Range - Model 2290	900 MHz to 2200 MHz
Input Frequency Range - Model 3040	400 MHz to 3000 MHz
Input Frequency Range - Model 6070	70 MHz to 6000 MHz
Max Span Width	1300 MHz

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FULL MODEL NAME LIST

Connector	Number of Inputs	Frequency	
		900 to 2200MHz	400 to 3000MHz
SMA (50 Ω)	1	EVO-RSA-2290B-1S	EVO-RSA-3040B-1S
BNC (50 Ω)	1	EVO-RSA-2290B-1B	EVO-RSA-3040B-1B
F (75 Ω)	1	EVO-RSA-2290B-1F	EVO-RSA-3040B-1F
N (50 Ω)	1	EVO-RSA-2290B-1N	EVO-RSA-3040B-1N

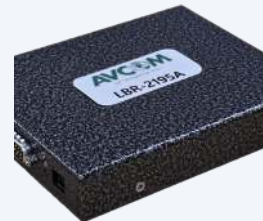
AVCOM OF VIRGINIA

EVO-RBR (Rev B)

The EVO-RBR is a satellite beacon receiver designed for reliable operation and monitoring in rackmount applications, capable of tracking CW, BPSK, and DVB-like satellite beacon car

INPUT CONNECTORS	SMA, BNC, F, and/or N
NOMINAL INPUT IMPEDANCE	50 Ω (SMA, BNC, N) 75 Ω (F)
MAX DC INPUT VOLTAGE	25 V
INPUT FREQUENCY RANGE: MODEL 2290 MIN	900 MHz
INPUT FREQUENCY RANGE: MODEL 2290 MAX	2200 MHz
INPUT FREQUENCY RANGE: MODEL 3040 MIN	400 MHz
INPUT FREQUENCY RANGE: MODEL 3040 MAX	3000 MHz

[price on request](#) [datasheet](#)



AVCOM OF VIRGINIA

LBR-2195A L-Band Satellite Beacon Receiver

Compact L-Band satellite beacon receiver providing DC output proportional to input RF signal level for antenna pointing and uplink power control.

Frequency Range	950–2150 MHz
Input Level Range	-30 to -90 dBm
Detection Bandwidth	10–750 kHz
Tracking Bandwidth	10–150 kHz
Carrier Types	CW, BPSK, DVB (via CEPT)
Analog Output	0–10 VDC, 10 mA; slope 0.1–3.0 V/dB adjustable
Interfaces	RS422, RS232, USB

[price on request](#)



AVCOM OF VIRGINIA

MSNG-2500C Mini Rack Mount Spectrum Analyzer

The MSNG-2500C is a mini rack mount spectrum analyzer designed for monitoring and measuring communication and broadcast carriers, particularly in satellite communications.

Frequency Range	5–2300 MHz
Span Width	Up to 1300 MHz
Resolution Bandwidth	10 kHz, 100 kHz, 300 kHz, 1 MHz
RF Sensitivity	>-85 dBm typical
Amplitude Accuracy	±1 dB typical
Frequency Accuracy	±1 kHz typical
Operating Temperature	-10°C to +60°C

[price on request](#) [datasheet](#)



AVCOM OF VIRGINIA

PSA-2500C Portable Spectrum Analyzer

Portable spectrum analyzer covering 5 MHz–2300 MHz with Li-Ion battery, for satellite installation and testing.

Frequency Range	5 MHz–2300 MHz
Span Width	Up to 1300 MHz
Resolution Bandwidth	10 kHz, 100 kHz, 300 kHz, 1 MHz
RF Sensitivity	>-85 dBm typical
Amplitude Range	0 dBm to -85 dBm (standard); 0 to -105 dBm (preamp)
LNB Power	13–18V, 22 kHz (optional)
Operating Temperature	-10°C to +60°C

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AVCOM OF VIRGINIA

PSA-4200C

A portable C-band spectrum analyzer for satellite, TV/radio broadcasting, CATV, wireless, TCSM, and GPS signal monitoring, with LNA/LNB power output and remote control software.

Applications	Satellite, TV and Radio Broadcasting, CATV, Wireless, TCSM, and GPS
L.O. Frequency Offsets	Displays Direct Frequency Readout
Presets/Memory	10 Customizable Presets/50 User Memory Locations
Refresh Rate	Up to 13/sec
LNA/LNB Power	13/18Vdc/22kHz
Front Panel Interface	Easy-to-use, operable while wearing bulky gloves
Remote Control	Full Remote Control Monitoring via Ethernet/RS- 232 Using Free Remote Control Software (GUI)

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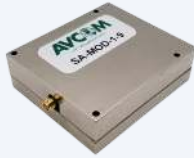
AVCOM OF VIRGINIA

RSA-2500B

The RSA-2500B is a 1RU rack-mount spectrum analyzer designed for remote monitoring and control in SATCOM facilities, offering flexibility with up to 6 inputs and various configurat

Up to 6 Inputs	in 1RU Enclosure
Easily Integrated	into OEM Applications
Full Remote Monitor and Control	via IP; Ethernet
GUI Software Included	License-free
FREQUENCY RANGE	5MHz – 2300MHz
SPAN WIDTH	Up to 1300 MHz (Dependent on Center Frequency)
RESOLUTION BANDWIDTH	10kHz, 100kHz, 300kHz, 1MHz

[price on request](#) [datasheet](#)



AVCOM OF VIRGINIA

SA-MOD-1-9-B Embedded Spectrum Analyzer Module

Ultra-compact embedded spectrum analyzer module, 3"×3.5"×1", 8-33 VDC, -40 to +70°C, 40,000 ft altitude.

Frequency Range (Model 2290)	900–2200 MHz
Frequency Range (Model 3040)	400–3000 MHz
Frequency Range (Model 6070)	70–6000 MHz
RF Sensitivity (-40 REF LVL)	-100 dBm
Spur Free Dynamic Range (3 kHz RBW)	60 dB
Amplitude Accuracy	±1 dB typical
Ethernet	10/100, DHCP or Static, 4-pin Molex

[price on request](#) [datasheet](#)



AVCOM OF VIRGINIA

SBS2-2150E Embedded Satellite Beacon Receiver Board

Compact embedded single-board beacon receiver and spectrum analyzer for integration into satellite terminals and SOTM systems.

Frequency Range	950–2150 MHz
Input Level Range	0 to -115 dBm
Detection Bandwidth	10–750 kHz
Tracking Bandwidth	10–150 kHz
Tracking Types	CW/BPSK beacon, TPT, CEPT
Update Rate	10 or 25 Hz
Interfaces	Ethernet 10/100 (RJ-45), USB

[price on request](#)



AVCOM OF VIRGINIA

SBS2-2150E-RSA

The SBS2-2150E-RSA is a remote L-Band spectrum analyzer module designed for OEM integration, providing remote signal monitoring and control for satcom applications via Ethernet or

Input Frequency Range	950MHz to 2150MHz (extended L-Band)
Reference Signal Monitoring	10MHz reference signal viewing capability
Input Voltage	+15 to +24VDC
Power Consumption	7W
Communication Interfaces	Ethernet or USB (commercial connectors or header connectors)
Resolution Bandwidth	1MHz to 10kHz
Resolution Bandwidth Option	3kHz RBW option available

[price on request](#) [datasheet](#)



AVCOM OF VIRGINIA

SNG-2500C

Rack-mount spectrum analyzer for monitoring and measuring satellite communications and broadcast carriers, including uplink, downlink, L-band, IF, and TT&C signals.

Design	Simple and easy to use design at a low price
Presets	10 customizable presets
Display	VGA color display
Mounting	Fits into Tektronix 1700 series dual mount tub
Refresh Rate	Up to 13/sec
Remote Control	Full remote control monitoring via Ethernet/RS-232 using free remote control software
Inputs	Up to 6 customizable inputs available

[price on request](#) [datasheet](#)

Contact AVCOM of Virginia

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

<https://newspacemarket.com/companies/avcom/>

<https://www.avcomofva.com>

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