AVCOM Of Virginia Inc.

toner cable equipment, inc.
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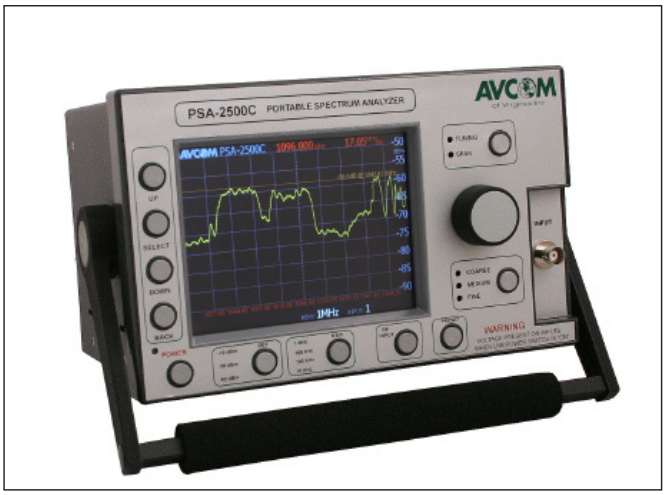
# PSA Series

## Portable 2.5 GHz & L-Band Spectrum Analyzer

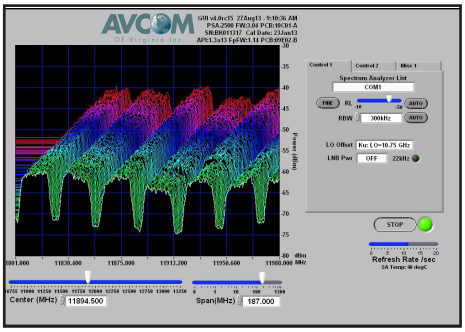



- Designed for satellite, TV and radio broadcasting, CATV, wireless, TCSM, and GPS
- L.O. frequency offsets displays direct frequency readout
- 10 customizable presets/50 user memory locations
- Fast refresh rates up to 13/sec
- 13/18Vdc/22kHz LNA/LNB power
- Easy-to-use front panel interface, even when wearing bulky gloves.
- Full remote control monitoring via Ethernet/RS-232 using free remote control software
- Up to 2 customizable inputs available
- Options include carrying case, extended amplitude range solutions, down converters for extended frequency coverage, and LNB power

### *Compact Design-Improved Performance and Specifications*

*Whether you are doing a satellite installation, troubleshooting a CATV or broadcast system, setting up a remote telemetry system, trying to locate a threatening jamming device, or locating eavesdropping devices, the AVCOM PSA has something to offer. Designed for the teleport, oil and gas, maritime, broadcast, military, TCSM, and wireless community, the PSA is compact, portable, lightweight, and budget friendly for quick and precise signal investigations. Being intuitive and easy to operate and providing many functions to facilitate quick and easy measurements, the PSA is an indispensable tool for engineers and technicians who conduct field measurements anywhere in the 5MHz to 2.5GHz range. For technicians demanding a greater range, AVCOM's external down converters may be used to extend the range up to 6.5GHz.*

*The color LCD display provides the user with an accurate and detailed picture of the spectrum being investigated, even when operating under challenging bright sunlight or other difficult lighting conditions. The field replaceable Li-Ion battery uses an internal charger and a multi segment battery status indicator is provided. The PSA comes equipped with 13V/18V/22kHz LNB power to directly power the satellite LNB, and programmable LO Offset selection provides no-math direct frequency readouts of low side or high side LNB's. Up to ten user-defined presets allow for executing quick repetitive testing parameters. Screenshots may be saved on the PSA and can be recalled on-screen for comparing signal footprints or can be downloaded to a PC using AVCOM's free software for documentation. The number of applications and features of the PSA are endless so contact us today!*




### *Versatile Remote Control Software*

*The PSA 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, SMNP 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 PSA to upload or download saved waveforms from the analyzer's internal user memory locations. The Remote Control Software is available for Windows, Mac, and Linux.*

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## Portable 2.5 GHz & L-Band Spectrum Analyzer

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **FREQUENCY RANGE:** | PSA-2150C: 950MHz – 2150MHz<br>PSA-2500C: 5MHz – 2,500MHz |
| **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)<br>(5dBm increments in GUI) |
| **SCALE:** | 5 dB/Div & 2 dB/Div |
| **DYNAMIC RANGE:** | 40 dBm on Application Window (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 ohm |
| **AMPLITUDE RANGE:** | 0 dBm to -85 dBm (standard)<br>0 dBm to -105 dBm (preamp option)<br>+10 dBm to -65 dBm (attenuator option) |
| **INPUT CONNECTOR:** | Input 1: "BNC" is standard. F, TNC, SMA, N available.<br>Input 2: Optional |
| **LNB POWER:** | 13-18V, 22kHz |
| **OPERATING TEMPERATURE RANGE:** | -10°C to +60°C |
| **SIZE:** | 7" L x 9.25" W x 5.75" H |
| **WEIGHT:** | 6lbs |
| **POWER REQUIREMENTS:** | +15 VDC @ 3 amp max |
| **DISPLAY:** | 5.7" TFT-LCD, 640x480 (VGA), 16-Bit RGB |

### *Options*

*- Microwave Down Converters*
*- Preamp (-70dBm Reference Level) available on input 1 only*
*- Attenuator (+10dBm Reference Level) available on input 1 only*
*- LNB can be added to Input 2*
*- Avsac nylon carrying case*

*Accessories include universal AC adaptor (100 to 240Vac), AC cord, PC software, RS-232 and Ethernet cables, Lithium-Ion battery, and BNC to F adaptor.*




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