

Model	Frequency Range
PSA3605	10 MHz to 3600 MHz
PSA6005	10 MHz to 6000 MHz
Size and weight: 190mm high x 92mm wide x 49mm deep 560 grams	

The PSA3605 and PSA6005 are high performance, highly portable RF spectrum analyzers.

They use the latest digital techniques to provide performance comparable to instruments of much greater size, weight and cost.

- ▶ 10MHz to 3600MHz or 6000MHz frequency range
- ▶ Resolution bandwidths from 300Hz to 10MHz (1:3:10) with fully adjustable video filtering
- ▶ Typical noise floor of -160dBm/Hz
- ▶ Measurement in dBm or dBμV, mV or μV
- ▶ Multiple detector modes including Peak, Average, RMS, Sample
- ▶ Zero span mode with AM and FM audio demodulation
- ▶ Trace modes of normal, peak hold and trace average
- ▶ Live, View and Reference traces in contrasting colours
- ▶ Twin markers with readout of absolute & difference values
- ▶ Smart marker movement with selectable peak tracking
- ▶ Frequency counter at marker position with 10Hz resolution
- ▶ Frequency presets and independent state storage
- ▶ Auto-find automatically sets sweep parameters for the highest signal found
- ▶ Unlimited storage for waveforms, set-ups and screens
- ▶ User assignable file names, file stamping from real-time clock
- ▶ USB interfaces for Flash drives and PC connection
- ▶ Comprehensive status and context sensitive help screens
- ▶ More than 3½ hours continuous operation from a charge
- ▶ Smaller and lighter than other spectrum analyzers (weight only 0.56 kg)

further features with option U02 installed:

- ▶ Automatic measurement of channel power, adjacent channel ratio and occupied B/W
- ▶ Waveform demodulation for AM and FM signals
- ▶ Limit lines and limit patterns with limits comparator
- ▶ Data logging of peak values, complete traces or screen images from timer, external trigger or limits comparator
- ▶ Sweep triggering from external trigger or limits comparator
- ▶ Compensation tables, fixed offsets and 75Ω compensation
- ▶ Custom presets - fast change for repetitive setups
- ▶ Capability to show screen contents on a PC

PSA Series 5

- ▶ True handheld spectrum analyzers
- ▶ 3.6 GHz and 6.0 GHz models
- ▶ Advanced digital processing
- ▶ 4.3" colour touch-screen



to see a full product information tour:
www.aimtti.com/go/psa

The PSA Series 5 retains the same compact and lightweight design of the Series 2 but adds some important features as well as extending the frequency range.

Advanced digital processing is used to achieve outstanding performance whilst maintaining low power consumption.

PSA Comparison

PSA series comparison table (excludes specifications and features that are common to all models)				
	PSA1302	PSA2702	PSA3605	PSA6005
Maximum Frequency	1300MHz	2700MHz	3600MHz	6000MHz
Minimum Frequency	1MHz	1MHz	10MHz	10MHz
Maximum Reference Level	0dBm		+20dBm	
Minimum Reference Level	-20dBm		-40dBm	
Noise Floor / DANL	-96dBm (Ref = -20dBm, 15kHz RBW); -138dBm/Hz		-120dBm (Ref = -40dBm, 10kHz RBW); -160dBm/Hz	
Resolution Bandwidth (RBW)	15kHz, 280kHz, 1MHz or Auto		300Hz to 10MHz (1:3:10 sequence) or Auto	
Video Bandwidth (VBW)	On/Off (Tracking)		1kHz to 30MHz or Tracking	
Detector Modes	Peak (+ve)		Peak (+ve, -ve or alternate), Sample, RMS, Avg.	
Sweep Time Control	Automatically set by Span and RBW		Automatic with manual override	
Demodulation	Audio only, AM or FM		Audio and Waveform, AM or FM	
Frequency Counter	No		Yes (resolution down to 10Hz)	
Automatic Measurements	No		CP, ACPR, OBW (requires option U02)	
RF Input Connector	SMA		N type	
Battery Life per charge	> 8 hours		> 3.5 hours	