Tel/tronix[®]

H500 / SA2500

Spectrum Analyzer Datasheet



The H500 and SA2500 will guickly scan the RF environment, classify the known signals, and help you locate the unknown signals with their fieldproven signal hunting tools. Featuring real-time DPX[™] Live RF spectrum display technology, the H500 and SA2500 offer practical solutions for discovering transient events that slip past conventional spectrum analyzers. The H500 and SA2500 are a great choice for general-purpose spectrum measurements and ideal signal-hunting tools.

Notice to EU customers

This product is not updated to comply with the RoHS 2 Directive 2011/65/ EU and will not be shipped to the EU. Customers may be able to purchase products from inventory that were placed on the EU market prior to July 22, 2017 until supplies are depleted. Tektronix is committed to helping you with your solution needs. Please contact your local sales representative for further assistance or to determine if alternative product(s) are available. Tektronix will continue service to the end of worldwide support life.

Key features

Scan

- Revolutionary DPX[™] Live RF spectrum display technology with DPX Spectrum Mask provides intuitive understanding of live RF signals using colors based on frequency of occurrence, processing up to 10,000 spectrums/sec with a 100% Probability of Intercept (POI) to capture pulsed signals, radar emissions, hopping signals, and any other intermittent signals with a minimum duration as brief as 125 µs
- Benchtop spectrum analyzer performance in a ruggedized handheld battery-operated field unit offers better than 70 dB spurious free dynamic range (SFDR), guaranteed ≤ -95 dBc/Hz at 10 kHz offset phase noise specifications from 10 kHz to 6.2 GHz
- Excellent sensitivity for detecting very low-level signals with -153 dBm DANL at 10 Hz RBW (equivalent to -163 dBm/Hz) such as RF bugs and unauthorized transmitters
- LAN interface for remote control and unattended monitoring stations for spectrum awareness

Classify

- Built-in classification capability for WLAN, GSM, W-CDMA, CDMA, ATSC signals makes guick and simple identification of legitimate
- Flexibility to edit, upgrade, and share signal databases and signal classification database using CSV file formats
- Ability to export I/Q data into CSV, MATLAB®, and IQT format for additional post-analysis

Locate

- Rapid targeting of signals with field-proven signal hunting, mapping, and documentation tools
- Hunt outdoor signals with built-in GPS receiver by plotting measurements directly into GPS geo-referenced maps such as Pitney Bowes Mapinfo, Google[™] Earth, Microsoft[®] MapPoint[®], Bitmap, and many others
- Improved spectrum awareness with high-accuracy measurement synchronization and time stamping
- Hunt in-building signals with a single-touch Tap-and-Walk-and-Tap
- Backlit display, viewable in direct sunlight, and extended battery performance with hot-swappable dual batteries
- Rugged design per MIL-PRF-28800F

Applications

- Spectrum management
- Spectrum monitoring and surveillance

- Interference detection and troubleshooting
- Signal hunting
- Signal identification
- Signal intelligence (SIGINT)
- Homeland Security

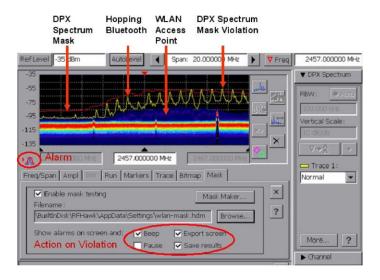
Interference troubleshooting has never been so easy

Evolving digital RF communication standards pose an unprecedented challenge to the surveillance and security community. Identification of unknown signals and determining their precise location has traditionally been accomplished using a combination of lab-grade spectrum analyzers, handheld spectrum analyzers, oscilloscopes, and offline analysis capabilities using PCs. When lab equipment is used in the field, several limitations appear. Such instruments are not meant for field use, can be easily damaged, are not portable, and require AC power. Signal classification using these systems often requires a lot of prior knowledge about these signals, particularly when they are digital. With such systems the unknown signals can be difficult or impossible to identify.

With field-ready, rugged hardware featuring DPX Live technology, outstanding displayed average noise level (DANL), spurious free dynamic range (SFDR), phase noise, and easy LAN networking capability in a handheld unit, the H500 and SA2500 are a great choice for general-purpose spectrum measurements and ideal signal-hunting tools.

Scan

By scanning the RF spectrum users can spot which signal emitters are in the area. Signals with significant power are usually candidates for further analysis, as are signals that are present infrequently. By color-coding events based on the rate of occurrence, the DPX[™] Live RF spectrum display provides unparalleled insight into the behavior of signals. Performing 10,000 spectrum updates per second, transients as brief as 125 µs can be "frozen" in the frequency domain. This offers tremendous improvement over swept analysis techniques.



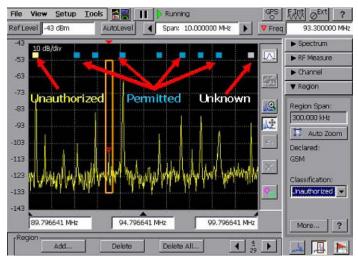
DPX Spectrum Mask captures and logs spectrum violations with options of warning alarm, pausing test, export screen, and result save

Signals that are present in the spectrum today but were not there yesterday are of particular interest. Reference signals can be stored and deviations from this reference can be quickly identified using the trace math feature. The H500 and SA2500 make analysis easier by quickly logging signals that are weak, bursting, hopping, time multiplexed, or intentionally random. It takes advantage of the FFT-based spectrum analysis capability to allow users to see the true shape of the signal, even when it is bursting. Masks can be automatically created from traces captured earlier. You can compare this mask to the current trace and if a mask violation occurs, the trace is logged. Finally, when the spectrogram is paused, you can scroll through the spectrogram's time axis and view the results.

Classify

Once signals of interest are found, it becomes necessary to identify and classify each of them. Are they authorized, legal signals, or are they illegitimate, malicious signals? Digital signal classification can be a particularly difficult part of the signal hunter's job requiring extensive knowledge of signal characteristics. The signal may be weak, subject to fading or intermittent conditions. In addition antenna position may be suboptimal. All of this makes classification of signals more challenging when using traditional signal identification tools.

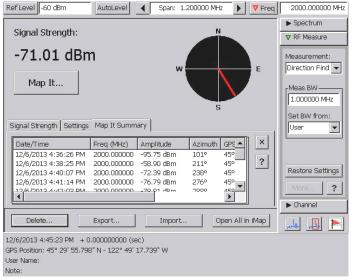
The H500 and SA2500 with Option EP2 offer expert systems guidance to aid the user in classifying signals. It provides graphical tools that allow users to quickly create a spectral region of interest, enabling users to identify and sort signals efficiently. The spectral profile mask, when overlaid on top of a trace, provides signal shape guidance while frequency, bandwidth, channel number, and location are displayed allowing for quick checks.



Color-coded signal classification database can be saved, recalled, imported, exported and shared to keep track of spectrum activities at different locations

Locate

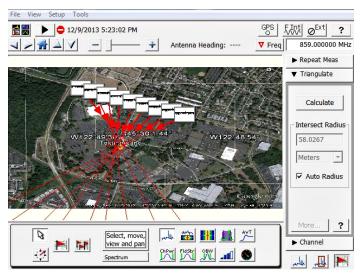
Once the signal has been identified as a threat, the H500 and SA2500 provide various field-proven signal hunting tools to locate the offending signals. For the easier-to-find signals, the signal strength meter produces tones that vary with pitch as a function of the strength of this signal. This allows the operator to look for signals while watching their surroundings, not the screen.



Use Direction Finding display - use compatible antennas and field strength measurements to find the likely directions to signals of interest. Results can be sent to the Mapping application for further geolocation analysis.

For signals that are harder to find, such as signals influenced by multipath, fading, low signal strength, etc, the H500 and SA2500 provide several signal mapping tools to facilitate hunting for these signals. Analyzing mapped signals is a quick way to find signals that can be difficult to find otherwise. The mapping capability is also a way to document what you have found. Traces can be recorded on a map either manually or automatically. Built-in GPS can automatically record signal position and time data as the operator moves. For indoor use, a unique tap-and-walk interface provides signal mapping capability. Color-coded icons automatically record the relevant measurements based on preset thresholds for acceptability.

Most importantly, new capabilities enable the H500 and SA2500 to use a 'smart' antenna with electronic compass bearing output to automatically add the antenna direction to measurement results. This includes compatibility with the Poynting DF-A0047 Direction Finding antenna through a USB connection.



Locate interference with integrated mapping solution and triangulate multiple measurements with resulting areas of uncertainty

The integrated iMap software in the SA2500 and H500 provides triangulation capability from 2 or more measurements. This includes automatically drawing a circle on all intersections from 2 or more measurements that are within a specified radius. Additionally, an azimuth measurement is included for the signal of interest. This can help easily locate interfering signals in the field.

Performance you can count on

Depend on Tektronix to provide you with performance you can count on. In addition to industry-leading service and support, this product comes backed by a one-year warranty as standard.

Specifications

All specifications are guaranteed unless noted otherwise. All specifications apply to all models unless noted otherwise.

Model overview

Model	Real-time bandwidth	Frequency range	Minimum event duration for 100% POI	SFDR (typical)
SA2500	20 MHz	10 kHz - 6.2 GHz	125 μs ¹ - 500 μs	<70 dB
H500	20 MHz	10 kHz - 6.2 GHz	125 µs	<70 dB

General performance characteristics

RF input

10 kHz - 6.2 GHz Operating frequency range

Maximum operating input +20 dBm peak envelope power

This is the maximum input level at which the instrument will meet its performance specifications. For a signal without any

amplitude variation, peak envelope power = rms.

Maximum Input Power without

Damage

50 W_{rms} below 3.2 GHz

15 W_{rms} between 3.2 GHz and 6.2 GHz

IF output

Output impedence 50 Ω IF center frequency 140 MHz 24 MHz IF 3 dB bandwidth

IF Output Level (nominal performance at 0 dBm input)

Input frequency	IF output level
1 GHz	-12 dBm
1.6 GHz	-12 dBm
3.6 GHz	-10 dBm
4.35 GHz	-11 dBm
5 GHz	-16 dBm
5.75 GHz	-22 dBm

Internal timebase

Frequency error (factory calibration corrected)

±0.5 PPM from 0 °C to 50 °C

±1.0 PPM aging/year

Twenty-minute warm-up period required to meet accuracy specification

Frequency error (GPS

corrected)

±0.01 ppm (typical)

Frequency error (after GPS

lock loss)

±0.03 ppm, 10 minute interval after lock loss (unit operated for >20 minutes before lock loss and < 5 °C temperature change over

interval) (typical)

With option EP1 installed

General performance characteristics

External reference input

 1500Ω impedance

Frequencey range 1 MHz up to 20 MHz ± 1 PPM, in 1 MHz steps

Input level range -15 dBm to +15 dBm, 1 MHz to 15 MHz

dBm levels assume 50 ohm source

-10 dBm to +15 dBm, 16 MHz to 20 MHz

Integrated GPS receiver

Horizontal: R < 9 meters (P = 90%) Position Accuracy (typical)

Altitude: H < 18 meters (P = 90%)

Position Update Rate

(nominal)

1 update/sec (Latitude/Longitude/Altitude)

Spectrum analyzer characteristics

Frequency

10 kHz to 6.2 GHz (preamp off) Span

10 MHz to 6.2 GHz (preamp on)

Center frequency setting

resolution

Swept spans (wide scanning)

20 MHz to 6.2 GHz Span Range

Spectrums per second 61 (typical)

Scan Speed 1240 MHz per second (typical)

Resolution Bandwidth (RBW)

RBW Range 10 Hz to 3 MHz (Manual)

10 Hz to 1 MHz (Auto)

RBW setting resolution 1 Hz

Spectral purity

preamp On

Displayed average noise level, -153 dBm, 10 MHz to 2 GHz, 10 Hz RBW

-152 dBm, 2 GHz to 4 GHz, 10 Hz RBW

-151 dBm, 4 to 5 GHz, 10 Hz RBW

-145 dBm, 5 to 6.2 GHz, 10 Hz RBW

Phase noise (entire operating

frequency range)

≤ -95 dBc/Hz at 10 kHz offset

≤ -95 dBc/Hz at 20 kHz offset

≤ -95 dBc/Hz at 30 kHz offset

≤ -97 dBc/Hz at 100 kHz offset

≤ -110 dBc/Hz at 1 MHz offset

Spectrum analyzer characteristics

Residual spurious, **preamp Off** ≤ -90 dBm, 0 dBm attenuator setting

Exception Frequencies:

9 MHz to 19 MHz center frequency

3464 MHz center frequency 4592 MHz center frequency

5374 MHz to 5378 MHz center frequency

6160 MHz center frequency

Residual spurious, preamp On ≤ -105 dBm, 0 dBm attenuator setting

Exception Frequencies:

9 MHz to 19 MHz center frequency

5374 MHz to 5378 MHz center frequency

Third order IMD ≤ -70 dBc for two tones at or below the reference level, preamp Off, all gain settings auto-coupled

Second harmonic ≤ -60 dBc for a single tone at or below the reference level, preamp Off, all gain settings auto-coupled

Input-related spurious ≤ -70 dBc except for Fin= 2.282 GHz ± 20 MHz

The dBc reference for this specification is the total power of all signals at the input of the instrument regardless of the current span

Input-related spurious, exception frequencies, typical

≤ -55 dBc at Fin= 2.282 GHz ± 20 MHz

The dBc reference for this specification is the total power of all signals at the input of the instrument regardless of the current span

Third order intercept \geq +7 dBm, 0 dB input attenuation, preamp Off

Spectral display amplitude

Reference level range +20 dBm to -160 dBm

Marker power accuracy $\pm 1.75 \text{ dB}, -50 \text{ dBm} \le \text{input} \le +20 \text{ dBm}, \text{ preamp off}$

 ± 3.0 dB, -80 dBm \leq input < -50 dBm, preamp on, above 10 MHz ± 3.75 dB, -120 dBm \leq input < -80 dBm, preamp on, above 10 MHz

Use peak detector for CW-like signals; use average detector for wideband (signal >> RBW)

Accuracy guaranteed for CW signals and span set to 20 MHz or less

Display modes

Display modes Normal – Updates display with each new result

Max Hold – Updates displayed point only if new point > old Min Hold – Updates displayed point only if new point < old

Max/Min Hold – Displays a vertical bar between Max Hold and Min Hold

Average - Displays average of N (specified by user) acquisitions

Average is calculated as follows:

Last N values are saved in memory; when a new result is available, the earliest result of the N stored values is discarded, the new result is added to the stored values, and a new average is calculated from the stored values. If the number of results is less than

N, then all of the results are averaged together

Number of averages $1 \le N \le 200$

General purpose RF measurement characteristics

RF channel power measurement

Bandwidth range 1 kHz - 20 MHz

Accuracy ≤1.2 dB; +20 dBm to -60 dBm; 1 MHz to 3.2 GHz, preamp off, Ref Level > -35 dBm

> ≤2.4 dB; -40 dBmto -75 dBm; 10MHz to 3.2 GHz, preamp on, Ref Level ≤ -35 dBm \leq 1.8 dB; +20 dBm to -50 dBm; 3.2 GHz to 6.2 GHz, preamp off, Ref Level > -35 dBm

≤3 dB; -40 dBm to -75 dBm; Resolution BW < 100 kHz; -40 dBm to -55 dBm; Resolution BW ≥ 100 kHz 3.2GHz to 6.2 GHz,

preamp on, Ref Level ≤ -35 dBm

Specifications apply for default control settings (Auto RBW, Auto Level)

Occupied bandwidth measurement

Percent Power Inclusion

Range

50-100%

RF field strength

Channel bandwidth range Same as RF channel power

Accuracy Same as RF channel power

Scan, classify, and locate characteristics

DPX[™] Live RF spectrum display

Spectrum processing rate,

nominal

10,000 spectrums per second, span independent (H500 standard and SA2500 with Option EP1)

2,500 spectrums per second (SA2500 standard)

125 µs (H500 standard and SA2500 with Option EP1)

Minimum signal duration for

100% probability of intercept

(POI), typical

500 µs (SA2500 standard)

Span Range 5 kHz to 20 MHz

Spectrogram (rising raster)

Spectrum processing rate,

nominal

20 spectrums per second

Minimum signal duration for

time measurement

20 milliseconds (typical)

Span range 5 kHz to 20 MHz

Trigger

Modes Single or continuous, free run or triggered **Event source** IF level, external input, or internal timebase

Types Rising edge, falling edge, level above threshold, level below threshold

Delay 0 to 60 s with 1 µs resolution Position Settable from 0-100%

IF level trigger

Threshold range -160 dBm to +20 dBm Bandwidth range 5 kHz to 20 MHz

External trigger

Maximum input level without

damage

±5 V_{peak} continuous

Minimum high threshold

2.0 V

Datasheet

Scan, classify, and locate characteristics

Maximum low threshold 0.8 V Minimum High/Low time 10 ns Impedance $10 \text{ k}\Omega$ Coupling DC

Internal timebase trigger

Mode Single trigger on time, repeat trigger at interval, or both

Resolution 1 µs

Measurement result time stamps

Resolution (nominal) 1 ms before GPS lock obtained; 1 ns after GPS lock obtained.

Accuracy - relative (typical)

±500 ns time-stamp error between multiple measurement results. Internal GPS reference lock required.

Accuracy - GPS reference

 $\pm 1~\mu s$, all measurements except DPX spectrum; $\pm 1~ms$ DPX spectrum.

(typical)

Time-stamp error relative to GPS system absolute time reference. Internal GPS reference lock required, identical acquisition bandwidth setting required.

IQ acquisition time

(available in amplitude vs. time measurement)

Span	Sample rate	Maximum acquisition length
20 MHz	28 Msps	36 ms
10 MHz	14 Msps	73 ms
5 MHz	7 Msps	146 ms
2 MHz	2.8 Msps	365 ms
1 MHz	1.4 Msps	731 ms
500 kHz	700 ksps	1.4 sec
200 kHz	280 ksps	3.6 sec
100 kHz	140 ksps	7.3 sec
50 kHz	72.9 ksps	14 sec
20 kHz	27.3 ksps	37 sec
10 kHz	13.7 ksps	74 sec
5 kHz	6.8 ksps	149 sec

AM demodulation

Measurement frequency As selected

Minimum input signal level,

typical

-100 dBm

Audio measurement

bandwidth

8 kHz

FM demodulation

Measurement frequency As selected Minimum input signal level,

typical

-100 dBm

Maximum signal deviation

Up to 100 kHz

Audio measurement

bandwidth

8 kHz, 15 kHz, 75 kHz, or 200 kHz

Maximum audio output

bandwidth

15 kHz

Scan, classify, and locate characteristics

Signal strength indicator

Input signal level -120 dBm, minimum

Measurement frequency As selected

Measurement bandwidth Up to 20 MHz, dependant upon span and RBW setting

Tone type Variable beep rate or variable frequency

Update rate, typical 10 per second

Mapping

Native map type Graticule (.gsf)

Map types directly supported

Pitney Bowes MapInfo (*.mif), Bitmap (*.bmp), MPS (collection of GSF maps derived from Open Street Map mapping tiles) 2 Google[™] earth

Other map types accepted using PC application iMap

converter

Microsoft® MapPoint®

USGS DLG (*.opt)

ESRI ArcInfo Shape (*.shp)

Other raster formats (*.gif, *.jpg, *.png, *.tif)

Power

5 hours of continuous Spectrum mode (with optional second battery). Actual life can be higher depending on usage. **Battery life**

Physical characteristics

Temperature

0 °C to +50 °C specified performance, -10 °C to +50 °C, typical Operating

-40 °C to +60 °C Nonoperating

With batteries installed While charging: 0 °C to +45 °C

Storage (nonoperating): -20 °C to +60 °C

Humidity

Operating and nonoperating 5% to 95% relative humidity (RH) at up to +30 °C, noncondensing

5% to 45% RH above +30 °C up to +50 °C, noncondensing

Altitude

Operating Up to 4,600 meters (15,092 feet) Nonoperating Up to 12,192 meters (40,000 feet)

Dimensions

Height 25.5 cm. (10.0 in.) 33 cm. (13 in.) Width Depth 12.5 cm. Weight 5.56 kg (12.27 lb.)

Color display

Size 10.4 in. (diagonal), transflective LCD, color

640×480 (VGA) Resolution

Maps derived from Open Street Map tiles are @ OpenStreetMap contributors. For more information see http://www.openstreetmap.org/copyright.

Datasheet

EMC environment and safety

Electromagnetic compatibility (EMC) compliance	EN61326-1:2006 and EN61326-2:2006 Product Family Standard for Electrical Equipment for Measurement, Control, and Laboratory Use – EMC Requirements.
European Union	
Emissions	CISPR11, group 1, class a
	EN 61000-3-2
	EN 61000-3-3
Immunity	IEC 61000-4-2
	IEC 61000-4-3
	IEC 61000-4-4
	IEC 61000-4-5
	IEC 61000-4-6
	IEC 61000-4-11
Australia/New Zealand	EMC compliance in accordance with the ACMA
USA	FCC, CFR Title 47, Part 15, Subpart B, Class A.
Safety compliance	ANSI/UL610101:2004
	Electrical Equipment for Measurement, Control, and Laboratory Use
	CSA C22.2 No. 61010.1:2004
	Electrical Equipment for Measurement, Control, and Laboratory Use
	EN 610101:2001
	Safety Compliance Electrical Equipment for Measurement, Control, and Laboratory Use
	IEC610101:2001
	Electrical Equipment for Measurement, Control, and Laboratory Use
	ISA 82.02.01
	Electrical Equipment for Measurement, Control, and Laboratory Use
irranty and calibration	

W

Warranty	1 year on parts and labor
Recommended instrument	2 years

Ordering information

Models

Real-time spectrum analyzer with DPX™ Live RF spectrum display of 125 µs minimum signal duration for 100% Probability of H500

Intercept (POI) and signal classification capability.

Includes User manual, installation software, AC power adapter, Lithium-ion battery, GPS antenna, flexible monopole antenna, Type-N (m) to BNC (f) adapter, USB A-B cable, tilt stand, soft carry case, audio jack mute plug (mutes all audio output from the

instrument speaker), one-year warranty.

SA2500 Real-time spectrum analyzer with DPX™ Live RF spectrum display of 500 µs minimum signal duration for 100% Probability of

Intercept (POI).

Includes User manual, installation software, AC power adapter, Lithium-ion battery, GPS antenna, flexible monopole antenna, Type-N (m) to BNC (f) adapter, USB A-B cable, tilt stand, soft carry case, audio jack mute plug (mutes all audio output from the

instrument speaker), one-year warranty.

Options

SA2500 options

Option EP1 Enhances SA2500 DPX™ Live RF spectrum display to 10,000 spectrums/sec and 125 µs minimum signal duration for 100%

Probability of Intercept (POI)

Option EP2 Enhances SA2500 by adding signal classification to the Spectrum Notes capability. Provides capability to notate (label) regions of

RF spectrum. Provides capability to compare bandwidth, channel frequency, etc., to internal tables of standards. Can save a mask (stored display) of user-generated mask to enable spectrum violation measurement. Provides database to store these notation

results, along with GPS location and time.

Power plug options

Opt. A0 North America power plug (115 V, 60 Hz)

Opt. A1 Universal Euro power plug (220 V, 50 Hz)

Opt. A2 United Kingdom power plug (240 V, 50 Hz)

Opt. A3 Australia power plug (240 V, 50 Hz)

Opt. A5 Switzerland power plug (220 V, 50 Hz)

Opt. A6 Japan power plug (100 V, 50/60 Hz)

Opt. A10 China power plug (50 Hz)

Opt. A11 India power plug (50 Hz)

Opt. A12 Brazil power plug (60 Hz)

Opt. A99 No power cord

Language options

Opt. L0 English manual

Opt. L99 No manual

Service options

Opt. C3 Calibration Service 3 Years Opt. C5 Calibration Service 5 Years Opt. D1 Calibration Data Report

Opt. D3 Calibration Data Report 3 Years (with Opt. C3) Opt. D5 Calibration Data Report 5 Years (with Opt. C5)

Opt. G3 Complete Care 3 Years (includes loaner, scheduled calibration, and more) Opt. G5 Complete Care 5 Years (includes loaner, scheduled calibration, and more)

Opt. R3 Repair Service 3 Years (including warranty) Repair Service 5 Years (including warranty) Opt. R5

Recommended accessories

119-6594-xx Beam antenna, 824 to 896 MHz 119-6595-xx Beam antenna, 896 to 960 MHz 119-6596-xx Beam antenna, 1710 to 1880 MHz 119-6597-xx Beam antenna, 1850 to 1990 MHz

119-6970-xx Magnetic mount antenna, 824 to 2170 MHz (requires adapter 103-0449-00)

119-7246-xx Pre-filter, general purpose, 824 to 2500 MHz, Type-N (f) connector 119-7426-xx Pre-filter, general purpose, 2400 to 6200 MHz, Type-N (f) connector

012-0482-xx Cable, 50 Ω, BNC (m) 3 foot (91 cm)

174-4977-xx Cable, 50 Ω, straight Type-N (m) and angled Type-N (m) connector, 1.6 foot (50 cm)

174-5002-xx Cable, 50 Ω, Type-N (m) to Type-N (m) connector, 3 foot (91 cm)

119-6030-xx External battery charger (2-slot)

119-7755-xx AC power supply 146-0151-xx Lithium-Ion battery 016-1882-xx Display protector sheets

Poynting DF-A0047 Direction

Finding antenna

Poynting smart antenna with electronic compass; order from manufacturer (poyntingdefence.com)

Upgrades

Field Upgrade Kit for Enhanced Performance. Increases the SA2500 DPX™ live RF spectrum rate to 10,000 spectrums/s and SA2500F Option EP1

125 µs minimum signal duration for 100% probability of Intercept (POI), typical.

SA2500F Option EP2 Field upgrade for enhanced performance. Adds signal classification capability to notable regions of RF spectrum. Provides

capability to compare bandwidth, channel frequency, etc., to internal tables of standards. Can save mask (stored display) of usergenerated masks to enable spectrum violation measurements. Provides database to store these notation results, along with GPS

location and time.



Tektronix is registered to ISO 9001 and ISO 14001 by SRI Quality System Registrar.



Product(s) complies with IEEE Standard 488.1-1987, RS-232-C, and with Tektronix Standard Codes and Formats.

Datasheet

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For Further Information. Tektronix maintains a comprehensive, constantly expanding collection of application notes, technical briefs and other resources to help engineers working on the cutting edge of technology. Please visit www.tek.com.

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