

Bird[®] PC SignalHawk[™] Spectrum Analyzer

Model SH-36S-PC: 100kHz to 3.6 GHz

Analyzes the radio frequency spectrum. Measures intended and interfering signals, allows setup of parameters such as frequency and amplitude markers. Also, displays signal amplitude vs. frequency and saves traces on your PC.

High Performance in a PC Module Spectrum Analyzer:

- Fast, Accurate, and Sensitive: -135 dBm Noise Floor.
- Same "Spectrum Analyzer" functionality as our hand held and rack mount units but in a convenient model.
- Built in FCC Compliance Masks.
- Waterfall display.
- Sophisticated Spectrum Analysis software package included with the product.
- Ideal solution for field techs who already carry a laptop with them as standard equipment.

PROBLEMS

Need to verify FCC compliance

Overloaded with equipment

Tight budgets

SOLUTIONS

View emissions mask from your desk

Module streamlined to minimize package size

Buy only what you need with this dedicated Spectrum Analyzer module



APPLICATIONS

Signals measured: Cellular, PCS, DCS, 2G, 3G, 4G, CDMA, cdmaOne, CDMA 2000, 1x, 1x EV-DO, GSM, GPRS, EDGE, UMTS, HSDPA, W-CDMA, TDMA, AMPS as well as 802.11, Bluetooth, Broadcast, Emergency, Fire, GPS, HDTV, IBOC, In-Building, Lab, Microwave, NPSPAC, Paging, Police, Private, Project 25, Public Safety, Tactical Military, Telematics, Tetra, Trunking, Utilities, WiMAX, WLAN and WLL.

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SPECIFICATIONS

Frequency Range	100 kHz to 3.6 GHz
Frequency Resolution	1 Hz
Frequency Uncertainty	± 1 ppm
Reference Aging	± 1 ppm / year
Temperature Drift	± 1 ppm / °C
Spectral Purity	-85 dBc @ 30 kHz
Sweep Time	2 s, full span; 1 ms, zero span
Resolution Bandwidth	100 Hz to 1 MHz RBW
Video Bandwidth	10 Hz to 300 kHz VBW
Amplitude Accuracy	± 1.0 dB typ, ± 1.5 dB max
Dynamic Range	66 dB, intermod-free
Noise Floor	-135 dBm DANL
Attenuator	0, 10, 20, or 30 dB; internal
Pre-Amplifier	+24 dB gain, internal
Data Points	705 displayed (settable)
Single Button Measurement	Occ BW, Channel Power, ACPR, Field Strength, AM/FM Demod, C/I
Transit Drop Test	10 drops per MIL-PRF-28800F
CE Compliant	YES
RF Input, N(F)	+20 dBm (100 mW) max
Connectivity	USB 2.0
Operating & Store Temp	0° to 50°C oper; -20° to +80°C st
Humidity & Altitude	95% humidity; 4600 m altitude
Size and Weight	7.5" x 7.0" x 3.0", 3.5 lbs
Emissions Mask	IBOC, Analog FM, DTV and many others

STANDARD ACCESSORIES

920-SH36S-PC-OPS	Operators Manual
920-SH36S-PC-REF	Start-Up Instructions
5A2653-10	USB Cable, 10 ft, USB A (M) to USB B (M)
5A2436	AC Adapter/Charger
5A2238-2	Car Adapter/Charger
5B2431	Internal Li-Ion Battery, Field Replacement
7002A144-1	PC Tool Software and Manual CD's

OPTIONAL ACCESSORIES

920-7002A300	Reference Manual
ANT-100	Field Strength Antenna, 136 to 221 MHz, SMA(M)*
ANT-400	Field Strength Antenna, 400 to 512 MHz, SMA(M)*
ANT-800	Field Strength Antenna, 824 to 894 MHz, SMA(M)*
ANT-900	Field Strength Antenna, 890 to 960 MHz, SMA(M)*
ANT-1800	Field Strength Antenna, 1710 to 1880 MHz, SMA(M)*
ANT-1900	Field Strength Antenna, 1850 to 1990 MHz, SMA(M)*
ANT-2400	Field Strength Antenna, 2400 to 2500 MHz, SMA(M)*
100-SA-MFN-40	Attenuator, 100W, 40 dB, N(M) to N(F), 2.4 GHz
50-A-MFN-30	Attenuator, 50W, 30 dB, N(M) to N(F), 4 GHz
25-A-MFN-30	Attenuator, 25W, 30 dB, N(M) to N(F), 4 GHz
10-A-MFN-30	Attenuator, 10W, 30 dB, N(M) to N(F), 4 GHz
5-A-MFN-20	Attenuator, 5W, 20 dB, N(M) to N(F), 4 GHz
2-A-MFN-20	Attenuator, 2W, 20 dB, N(M) to N(F), 4 GHz

OPTIONAL TEST CABLE AND ADAPTERS:

TC-MNFN-1.5	Test Cable, 1.5 m, N(M) to N (F)
TC-MNFN-3.0	Test Cable, 3.0 m, N(M) to N (F)
TC-MNMFN-1.5	Test Cable, 1.5 m, N(M) to N (M)
TC-MNMFN-3.0	Test Cable, 3.0 m, N(M) to N (M)
TC-MNFE-1.5	Test Cable, 1.5 m, N(M) to 7/16 DIN(F)
TC-MNFE-3.0	Test Cable, 3.0 m, N(M) to 7/16 DIN(F)
TC-MNME-1.5	Test Cable, 1.5 m, N(M) to 7/16 DIN(M)
TC-MNME-3.0	Test Cable, 3.0 m, N(M) to 7/16 DIN(M)
PA-MNME	Adapter, N(M) to 7/16 DIN(M)
PA-FNME	Adapter, N(F) to 7/16 DIN(M)
PA-MNFE	Adapter, N(M) to 7/16 DIN(F)
PA-FNFE	Adapter, N(F) to 7/16 DIN(F)
4240-550	Adapter Kit, 7/16 DIN
4240-500-1	Adapter Kit, N(F) to N(F)
4240-500-6	Adapter, N(F) to N(F)
4240-500-10	Adapter, N(M) to SMA(F)*

*Recommend N(M) to SMA(F) Adapter Cmodel 4240-500-10) for Field Strength Antennas



YOU'RE HEARD, LOUD AND CLEAR.

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