

# Bird<sup>®</sup> Rack-Mount SignalHawk<sup>™</sup> Spectrum Analyzer

## Model SH-36S-RM: 100kHz to 3.6 GHz

Over an Ethernet network, you can remotely analyze the performance of your system and diagnose problems from any computer on your network, whether in the same room or half way across the state.

High Performance in a Rack-Mount Spectrum Analyzer

- Fast, Accurate, and Sensitive: 66 dB Dynamic Range and -135 dBm Noise Floor.
- Minimal Rack Space Required: Only 2 RU.
- Eliminates trips to difficult remote locations.
- Same "Spectrum Analyzer" functionality as our hand held unit all from your office PC.
- Multiple sites can be monitored from one centralized location.
- Along with our BPME you can view your RF Spectrum and be alerted of any RF Power alarm - A TOTAL 1-STOP PACKAGE.
- Built in FCC Compliance Masks.
- Waterfall display.

### PROBLEM

Alarm at remote site

Need to verify FCC compliance

Minimal space available

### SOLUTION

Diagnose Issue over your ethernet connection

View emissions mask from your desk

2RU form factor.



### HARDWARE REQUIREMENTS (REMOTE OPERATION)

Windows XP Sp2, XP pro Microsoft Remote Desktop  
256 MB RAM & Pentium III or equivalent processor  
(512 MB RAM & Pentium 4/M or higher recommended)  
800 x 600, 256 color display (1280 x 720, 16 bit or higher resolution recommended)  
1 available Ethernet port  
Mouse or pointing device

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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
CE Compliant	YES
RF Input, N(F)	+20 dBm (100 mW) max
Connectivity	Ethernet and USB 1.1
Operating & Store Temperature	0° to _ 50°C oper; -20° to +80°C st
Humidity & Altitude	95% humidity; 4600 m altitude
Size and Weight	19" x 10" x 3.5", 10 lbs
Emissions Mask	IBOC, Analog FM, DTV and many others
Internal Storage	140 Gb

## STANDARD ACCESSORIES

920-SHPC-OPS	Operators Manual
920-SHPC-REF	Start-Up Instructions
4421-055	AC Power Cord
5A2744-07	Ethernet Cable
5A2653-10	USB Cable, 10 ft, USB A (M) to USB B (M)
7002A148	CD, Pc SignalHawk Emulator

## OPTIONAL ACCESSORIES

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
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)

Spare standard accessories are available as optional accessories. Manuals and software/firmware updates available at [www.bird-technologies.com](http://www.bird-technologies.com)



**YOU'RE HEARD, LOUD AND CLEAR.**

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