

mp(dBm)

-63

SignalHawk /

Span(MHz)

20

#1:Amp:-42dBm, Angle: 173.0 #2:Amp: -45dBm, Angle: 78.0

#3:Amp: -53dBm, Angle: 54.0

Pre Amp

Off

Center(MHz)

740

Ohio Renal Care Group

BIRD RF Spectrum Analyzers

Birds' latest offering in the SignalHawk[™] family of handheld RF spectrum analyzers. **RF SPECTRUM AT YOUR FINGERTIPS!**

SH-60S-TC



Operates between 9 KHz - 6 GHz

Predefined Measurements:

- FM demodulation
- GNSS Signal Quality
- Field Strength
- Spectrum Masking
- Channel Power
- Adjacent Channel Power Ratio (ACPR)
- Phase Noise
- N dB Down Bandwidth Occupied Bandwidth (OBW)

Interference analysis and triangulation functionality to locate source of interferers

Bird[®] SignalHawk[™] QUICK START GUIDE SH-60S-AOA

SH-60S-AOA



Operates between 9 KHz - 6 GHz

Everything of the SH-60S-TC, including spectrogram (waterfall) display

SH-60S-AOA Triangulation

Triangulation is one technique you may use to determine the location of an of an RF emitter. The principle is to take three or more measurements from different locations, with each measurement location being 80 to 100 degrees in azimuth away from the location of the previous measurement. See below for an example of the triangulation technique.

Due to reflections of the emitter's RF signal (multi-path) and the gain and directivity of the antenna used with the SignalHawk, the exact location of the emitter may not be pinpointed with the first three measurements. However, the measurements will form a triangle in the area of the emitter. Making additional measurements in the vicinity of the triangle formed by the initial measurements, will help refine the location.



Third Measurement

SH-60S-AOA, RF Spectrum Analyzer

SH-60S-AOA extends the capability of the SH-60S-TC by adding the ability to triangulate the location of an interferer on a map for signals between 9 kHz & 6 GHz.



Noise	Freq (Offset	Span Zoom	Ref Level Offset	>	
Wate	Au	ito	Continuous	Off		
ectrum	Scale	Type	Unit	Display	٧	
aterFall	Lo	og	dBm	Spectrum		
EC&WF		 Tap on DISPLAY Select Waterfall or SPEC&WF, press OF 				

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