



SiteHawk RF Antenna & Cable Analyzer – Aviation Test Kit 7003A001-4



Do you need to quickly identify antennas, cables and connectors to get your airplane back into service? Avoid the downtime and the expense of trial and error of swapping components to fix your issue with Bird SiteHawk Test Kit. Our Test Kit includes the SiteHawk AV Antenna and Cable Analyzer in a hard carrying case along with a selection of essential accessories; it's ideally suited for field techs and engineers who need to quickly diagnose and resolve problems with communications systems. The pocket-sized SiteHawk Antenna and Cable Analyzer operates from 1 MHz to 6000 MHz and features an intuitive interface readily accessible to even the first time user.

With the SiteHawk test kit, it is simple to:

1. Determine a problem with your cable and antenna system using the Measure Match Function.
2. Locate the source of the problem with the Use Distance to Fault measurement.
3. Take various power measurement with the included Bird Power Sensor.

KIT COMPONENTS
Hard Case
SiteHawk AV (1 - 6000 MHz)
Calibration Combo
25W, 50 Ohm Termination
10' Test Cable
Adapter, N(m) – SMA(m)
Adapter, N(m) – SMA(f)
Adapters, Avionics
Power Sensor



Quickly and easily connect to all of your aircraft's RF systems to verify cables and antenna.



Clearly confirm whether antenna and/or cable lines require replacement with on-screen indicators.

Ask us about our Automated Guided Workflow Solutions.

**For any questions and more specific information, please feel free to contact us:
GSTE Sales +1.786.479.6221 – chris.stanley@barfieldinc.com**

SiteHawk Test Kit Key Specification

7003A001-4



SITEHAWK AV SPECIFICATIONS

Frequency Range	1 MHz - 6000 MHz
Frequency Accuracy	±2.5×10 ⁻⁶
Frequency Resolution Setting	1 kHz
Output Power	-10dBm
Reflect Amplitude Accuracy	
-15 dB to 0 dB	±0.4 dB
-25 dB to -15 dB	±1.5 dB
-35 dB to -25 dB	±4.0 dB
Trace Noise Magnitude (IFBW 1kHz)	0.02 dB rms
Measurement Speed	1ms / data point
Measurement Points	51 to 3201
Measure Bandwidth	100 Hz to 30kHz
Temperature Stability	0.01 dB/°F (0.02 dB/°C)
Return Loss Measurement Range	0 dB to -60 dB
Resolution	0.01 dB
VSWR Measurement Range	1.0 to 65.0
Cable Loss Measurement Range	0 dB to 30 dB
DTF Range	0 to 5000 (ft) (0 to 1500 (m))
Test Port Connector	N-type, Female
Impedance	50 ohms
Connector	Micro USB B, USB 2.0
Dimensions (LxWxH)	7.7 x 3.6 x 2.4 in. (195 x 90 x 60 mm)
Weight	1.98 lbs. (0.9 kg)
Maximum Input Voltage	50 V
Operating Temperature	14° to 131° F (-10° to +55° C)
Storage Temperature	-40° to 176° F (-40° to +80° C)
Battery Charging Temperature	32° to 95° F (0 to +35° C)
Storage Compacity	Thousands of Trace and Setups
Immunity to Interfering Signals	+13dBm
CE	
EMC	Standard EN 61326-1:2006
Safety	Standard EN 71010-1:2001
Battery	Lithium-ion rechargeable
SK-4500-TC	10 Hrs Typical Operating Time
Battery Charge Time	5 Hrs Full Charge
Power Measurement	Yes



WIDEBAND POWER SENSOR SPECIFICATIONS

Frequency Range	100 MHz - 1.3 GHz
Connector	N Female (Both)
Power Supply	
USB Port	Less than one low-power USB load
DC Input Connector	7-18 VDC at less than 0.1A
Impedance	50 Ohms (nominal)
Weight	1.2 lb. maximum
Dimensions HxWxD [inches (mm)]	4.8" x 4.6" x 1.3" (122 mm x 117 mm x 33 mm)
Data Logging	Requires 5000-XT, VPM3 or Bird RF Meter App
Operating Temps °C(°F)	-10° to 50°C (+14° to + 122°F)
Storage Temps °C(°F)	-40° to + 80°C (-40° to +176°F)
Mechanical Shock & Vibration	IAQ MIL-PRF-28800F class 3
CE	EMC EN 61326-1-2006
Power Range	500mW - 500 Watts Avg / 1300 Watts Peak
Insertion VSWR	<1.05
Insertion Loss	<0.05 dB
Directivity	28 dB up to 100 MHz, 30 dB from 100 to 1300 MHz
Interface	
DPM	DB9 proprietary interface
PC Interface (1)	RS-232, 9600 Baud, no parity, 8 data bits, 1 stop bit, DB9
PC Interface (2)	USB 2.0 Type B



TERMINATION LOAD SPECIFICATIONS

Power Rating	25 W
Frequency Range	DC - 4 GHz
VSWR DC - 1 GHZ	1.10:1 max.
VSWR 1 GHZ- 4GZ	1.15:1 max.
Impedance	50 Ohms, Nominal
Temperature Range	-40° to +40° C (-40° to 104°F)
Product type	Dry (Convection-Cooled)
Operating Position	Any
Connector	N-type, male
Finish	Black Anodized
Dimensions	4.7" L x 2.3" Dia.(119.4 x 58.5 mm)
Weight	7 oz. (198g)