

The **RF** Experts

# SITEHAWK™

## Cable & Antenna Analyzers

**SK-4500-TC, SK-6000-TC,  
SK-9000-TC**



## No More Swapnostics!

Get the most out of your communication networks with SiteHawk. Our powerful device offers critical coverage and a wide frequency range from 1 MHz to 9000 MHz, ensuring you have the ability to find any discrepancies in your cables and connectors.

With Bird's DTF (Distance to Fault) mode, SiteHawk can identify the exact location of any fault quickly and accurately, saving time and money! Take control of your networks today with SiteHawk.

With the new addition of increased coverage to 9GHz, SiteHawk is now capable of monitoring the C-Band (4 - 8GHz) satellite communications and some X-Band radar frequency sub-bands. This versatile product will benefit government, military, and public sector users. Get the coverage you need with SiteHawk.



### PRODUCT FEATURES

- Test RF cables and antennas at the frequency of operation.
- Locate RF cable, connector and antenna problems at the source.
- FDR (Frequency Domain Reflectometry) measurement method results in a highly reliable assessment of the health of critical components in your system; ultimately providing a "heads-up" before a failure occurs.
- Fault location or DTF mode plots VSWR or Return Loss levels at each distance point along the cable and antenna system length.
- Cable Loss function measures insertion loss of the cable system over a given frequency range.
- OTG USB communication port for connection to Bird power sensors, storage devices and battery charging.

### APPLICATIONS

- Cellular Networks 3G, 5G (2.4, 4.2 GHz & 600, 850 MHz), PCS/DCS, CDMA, GSM and LTE Protocols, Broadcast, Paging, Government, Tactical Military, Microwave, Public Safety, Trunking, TETRA, Network Coverage WLAN, WLL (802.11), Semiconductor calibration load/ RF cable test

### COMPATIBLE WITH

- Basic, Wideband and Statistical Power Sensors
- Bird RF Meter App



# SK-4500-TC, SK-6000-TC, SK-9000-TC Specifications

## MEASUREMENT

<b>Frequency Range</b>	
SK-4500-TC	1 MHz to 4500 MHz
SK-6000-TC	1 MHz to 6000 MHz
SK-9000-TC	1 MHz to 9000 MHz
<b>Frequency Resolution</b>	1 kHz
<b>Output Power</b>	-10 dBm, typical
<b>Trace Noise Magnitude (IFBW 1kHz)</b>	0.05 dB rms
<b>Measurement Speed</b>	1 ms/data point
<b>Measurement Points</b>	51 to 3201
<b>Measure Bandwidth</b>	100 Hz to 30 kHz
<b>Temperature Stability</b>	0.01 dB/°F (0.02 dB/°C)
<b>Return Loss Measurement Range</b>	0 dB to -60 dB
<b>Resolution</b>	0.01 dB
<b>VSWR Measurement Range</b>	1.0 to 65.0
<b>Cable Loss Measurement Range</b>	0 dB to 30 dB
<b>DTF Range</b>	0 to 5000 ft (0 to 1500 m)
<b>Corrected Directivity</b>	> 38 dB from 1 MHz to 8 GHz > 34 dB from 8 GHz to 9 GHz
<b>Maximum Input Voltage</b>	50 V
<b>Immunity to Interfering Signals</b>	+13 dBm
<b>Power Measurement</b>	Yes

## ACCURACY

<b>Frequency Accuracy</b>	±2.5 ppm @25 °C
<b>Reflect Amplitude Accuracy</b>	-10 dB to 0 dB: ±0.6 dB -20 dB to -10 dB: ±0.8 dB -35 dB to -20 dB: ±3.0 dB
<b>Reflect Amplitude Accuracy</b>	-10 dB to 0 dB: ±0.6 dB -25 dB to -10 dB: ±1.5 dB -31 dB to -25 dB: ±4.0 dB

## CONNECTORS

<b>Connector</b>	USB Type-C, USB 3.0
<b>Test Port Connector Impedance</b>	N-type, Female 50 ohms

## ENVIRONMENTAL

<b>Operating Temperature</b>	14 °F to 131 °F (-10 °C to +55 °C)
<b>Storage Temperature</b>	-40 °F to 176 °F (-40 °C to +80 °C)
<b>Battery Charging Temperature</b>	32 °F to 95 °F (0 °C to +35 °C)

[birdrf.com/products](http://birdrf.com/products)

The RF Experts | USA Sales : 30303 Aurora Rd, Solon, OH 44139 | [www.birdrf.com](http://www.birdrf.com)  
Phone: +1 440.248.1200 / 866.695.4569 [Toll Free]

## SYSTEM

<b>Display</b>	5.5 in, 720p
<b>Languages</b>	English, Chinese, Spanish
<b>Battery Type</b>	Lithium-ion rechargeable
<b>Battery Operating Time</b>	10 hours typical
<b>Battery Charge Time</b>	5 hours typical
<b>Storage Capacity</b>	Thousands of trace and setups
<b>Recommended Calibration Interval</b>	3 years
<b>Compatible With</b>	For a complete list of compatible sensors see Bird's RF Meter page <a href="http://bit.ly/rfmetrapp2">http://bit.ly/rfmetrapp2</a>

## PHYSICAL

<b>Size</b>	7.7 in x 3.6 in x 2.4 in (195 mm x 90 mm x 60 mm)
<b>Weight</b>	1.98 lb (0.9 kg)

## CERTIFICATIONS

<b>CE</b>	<b>EMC:</b> Standard EN 61326-1:2006 <b>Safety:</b> Standard EN 61010-1:2001
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## STANDARD ACCESSORIES

<b>Calibration Combo</b>	
SK-4500-TC, SK-6000-TC	SK-CAL-MN-C6
SK-9000-TC	SK-CAL-MN-C9
<b>Stylus</b>	SK-TP-112
<b>AC Adapter (12Vdc Output)</b>	SK05T-1200300Z
<b>Hard Carrying Case</b>	7002A218-2
<b>Soft Carrying Case</b>	7002A219-1
<b>RF Cable, 1.0 meter long</b>	SK-TC-MNFN-1M
<b>USB Drive</b>	5A2745-1
<b>USB Adapter</b>	SK-CONN-OTG-2
<b>Manual (SK-4500-TC)</b>	920-SK-4500
<b>Manual (SK-6000-TC)</b>	920-SK-6000
<b>Manual (SK-9000-TC)</b>	920-SK-9000
<b>Battery</b>	SK-BTY-7468

## OPTIONAL ACCESSORIES

<b>Adapter - N(m) to 7-16 DIN(f)</b>	PA-MNFE
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