The **RF** Experts

SITEHAWK™
Cable & Antenna Analyzers

SK-4500-TC, SK-6000-TC

No More Swapnostics!

The SK-4500 and SK-6000 provide critical coverage with a wide frequency range from 1 MHz to 6000 MHz.

Discontinuities can be a real problem and cause significant reflections by damaged cables, loose or improperly installed connectors, and environmental factors. With Bird's DTF (Distance to Fault) mode, SiteHawk finds the exact location of the problem "in true distance units"!

3 YEAR Warranty

Eliminate wasted time swapping out components until you determine the issue. Save critical time, components, and money by correctly identifying issues the first time to efficiently direct vital resources to implement solutions.

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

Bird®

SITEHAWK™ CABLE & ANTENNA ANALYZER

SK-4500-TC, SK-6000-TC

Specifications

MEASUREMENT

Frequency Range **SK-4500-TC** **SK-6000-TC**	 1 MHz to 4500 MHz 1 MHz to 6000 MHz
Frequency Resolution	1 kHz
Output Power	-10 dBm, typical
Trace Noise Magnitude (IFBW 1kHz)	0.05 dB rms
Measurement Speed	1 ms/data point
Measurement Points	51 to 3201
Measure Bandwidth	100 Hz to 30 kHz
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)
Corrected Directivity	> 38 dB
Maximum Input Voltage	50 V
Immunity to Interfering Signals	+13 dBm
Power Measurement	Yes

ACCURACY

Frequency Accuracy	±2.5 ppm @25 °C
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

CONNECTORS

Connector	USB Type-C, USB 3.0
Test Port Connector Impedance	N-type, Female 50 ohms

ENVIRONMENTAL

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

SYSTEM

Display	5.5 in, 720p
Languages	English, Chinese, Spanish
Battery Type	Lithium-ion rechargeable
Battery Operating Time	10 hours typical
Battery Charge Time	5 hours typical
Storage Capacity	Thousands of trace and setups
Recommended Calibration Interval	3 years
Compatible With	For a complete list of compatible sensors see Bird's RF Meter page http://bit.ly/rfmeterapp2

PHYSICAL

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

CERTIFICATIONS

CE	**EMC:** Standard EN 61326-1:2006 **Safety:** Standard EN 61010-1:2001

STANDARD ACCESSORIES

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

OPTIONAL ACCESSORIES

Adapter - N(m) to 7-16 DIN(f)	PA-MNFE

birdrf.com/products

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