SiteHawk™ Cable & Antenna Analyzers

SK-4500-TC, SK-6000-TC

Save critical time, components, and money by eliminating time swapping out components until you find and locate the issue. Discontinuities can be a real problem and cause significant reflections by damaged cables, loose or improperly installed connectors, and environmental factors. With Bird's SiteHawk™, find the exact location of the problem over a wide frequency range - from 1 MHz to 6000 MHz using Distance to Fault, return loss and cable loss measurements techniques.

PRODUCT FEATURES

- Locate RF cable, connector, and antenna problems at the source
- Test RF cables and antennas at the frequency of operation
- 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
- Use FDR (Frequency Domain Reflectometry) measurement methods that will results in a highly reliable assessment of the health of critical components in your system; ultimately providing a "heads-up" before a failure occurs
- Single-port cable loss measurement

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

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	**<–10 dB to 0 dB:** ±0.6 dB **<–20 dB to –10 dB:** ±0.8 dB **–35 dB to –20 dB:** ±3.0 dB
Reference Level Accuracy	≥-60 dBm, ±0.8 dB

SYSTEM

Display	5.5 in, 1920 x 1080 p
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

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)

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