

AntennaAdvisor Interference Finder

Quickly pinpoints
RF interference



The AntennaAdvisor™ handheld component for CellAdvisor™, CellAdvisor 5G, and OneAdvisor-800 lets technicians at any skill level quickly find RF interference. The instrument automatically and dynamically creates intersection vectors based on three or more interference measurements. The result display includes the physical coordinates and a mapped location of the interferer.

CellAdvisor, CellAdvisor 5G, and OneAdvisor-800 also perform a radial signal strength test, interpolating consecutive measurements and indicating the direction from which the strongest interferer signal is received. This provides a complete profile of the signal's transmission, making signal-level comparisons automatically to dramatically speed the interference finding process.

Key Highlights

- Speeds finding interference
- Lightweight and highly portable
- Designed for seamless use with CellAdvisor™, CellAdvisor 5G, and OneAdvisor-800

Features

- Connect to CellAdvisor/CellAdvisor5G /OneAdvisor-800 via USB for RSSI and Radar Chart
- Built-in LNA, GPS antenna, and eCompass
- RSSI to check instantaneous power
- Radar chart to help locate strongest interference signal via localization
- Supports Interference Finder triangulation to estimate location of strongest signal
- Supports broadband log-periodic antenna up to 6 GHz
- Available multi-layer map, "Zoom-in/out"



AntennaAdvisor Connected to CellAdvisor



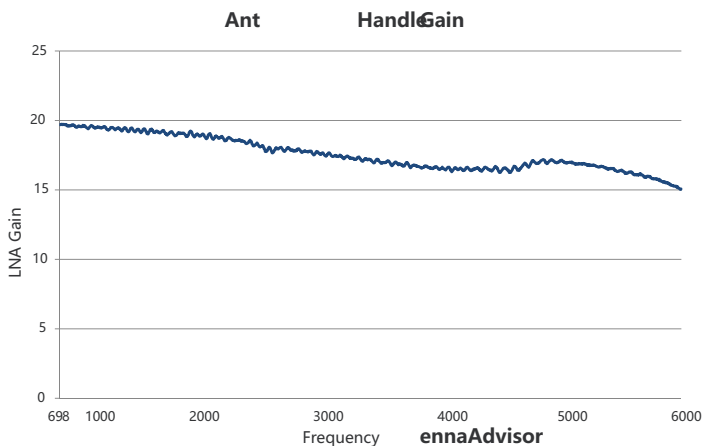
Radar Chart on CellAdvisor 5G



Interference Finder on CellAdvisor 5G

Specifications

Parameter	
Power Consumption	
Preamplifier off	0.15 W (typical)
Preamplifier on	Max 0.6 W
Preamplifier on	Max 0.6 W
Preamplifier	
Bandwidth	650 MHz to 6000 MHz
Gain	>15 dB (typical)



Electronic Compass

Power	Powered from USB
Azimuth accuracy	4° RMS (typical) after initialization 6° RMS (typical) with polarization or elevation up to 60° after initialization
Trigger Button	
Single press	Manual interference detection
Long press	Continuous measurement in Radar Chart Compass calibration followed by pointing handle skywards
Power Button	Power button for LNA
Trigger Button	
SMA	Connection port for broadband log periodic antenna
USB	USB cable terminated with a USB Type A female plug, 2.0 1.3 m
RF	Coax cable with Type-N male connector, 1.3 m

GPS	Coax cable with Type-SMA male connector, 1.3 m
Parameter	
Tripod Mount	1/4 - 20 UNC x 7 mm
Electromagnetic Compatibility	
EMC	RoHS Directive: 2011/65/EU (CE Mark) EN61326-1:2013 Radiocomms Labeling (Electromagnetic Compatibility) Notice 2008
Environmental Compatibility	
RoHS Directive: 2011/65/EU (CE Mark) WEEE Directive: 2012/19/EU (WEEE Logo) MIL Order 39, 2006 (China RoHS) (China RoHS mark)	
Environmental	
Operating temperature	-20°C to 55°C
Maximum humidity	95% non-condensing
Shock	MIL-PRF-28800F Class 2
Size and Weight	
Weight	530g
Dimension	210 x 105 x 180 mm

Ordering Information

Description	Part Number
AntennaAdvisor Handle (requires interference analysis option 011 on CellAdvisor, S013 on CellAdvisor 5G, or ONA-SP-INTAN on OneAdvisor-800)	Jd70050007
Standard Accessory	
Soft carrying case	
Optional Accessory	
RF log periodic antenna SMA(f), 650 MHz to 4000 MHz, 2.85 dBd (typical)	G700050366
RF log periodic antenna SMA(f), 650 MHz to 6000 MHz, 2.85 dBd (typical)	G700050367