

# AIRSCOUT SPECTRUM

FIELD RUGGED SPECTRUM  
ANALYZERS UP TO 40 GHZ  
FREQUENCY RANGE

## SUPERIOR RF PERFORMANCE

Industry leading -105 dBm receiver sensitivity, a DANL of -120 dB, and a wide 150 dBm dynamic range.

## RUGGED, TOUGH FIELD-READY CHASSIS

Our field-ready chassis is small enough for one hand operation, and rugged for demanding jobs.

## RECORDING AND PLAYBACK

Record your RF environment and replay offline for further analysis.



# FUNCTIONS

## CELLULAR TESTING

Do site surveys, baseline testing, and interference hunting for all bands including the mmWave band up to 40 GHz.

## BACKHAUL AND ANTENNA ALIGNMENT

Check antenna alignment and transmission for any band and microwave antenna size. Adapters allow you to directly connect to the antenna.

## SATELLITE COMMUNICATIONS

Verify uplink and downlink transmission for any band from L band to the Ku band.



# FEATURES

## STRAP LUG:

Allows a lanyard (optional) attachment to the unit. Also provides protection of the SMA connector.

## SHOCK BUMPER:

The unit is encased with a rubberized bumper, to help it withstand the rugged environment of towers and rooftops.

## CHARGE INDICATOR:

Displays the battery status of the unit.



## POWER SWITCH:

Study and protected. It give good tactile feedback and a delayed off function to prevent accidental power off.

## TOUCH SCREEN:

Displays a simple easy-to-use GUI. The screen will automatically switch from portrait to landscape, depending upon the orientation of the unit.

## USB CONNECTOR:

USB connector is used recharge the unit and also to transfer recorded RF data to the Spectrum analysis software.



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# MODELS



MODEL	ASPEC-03	ASPEC-08	ASPEC-40
Frequency Range (GHz)	0.3 - 3	2 - 8	24 - 40
Displayed Average Noise Level (dBm)	-128@RBW 10 KHz	-119@RBW 30 kHz	-100@RBW=100kHz
Max input power (dBm)	+27	0	0
RBW (kHz)	10, 30, 100, 300	30, 100, 300, 1000	100, 300, 1000
VBW (kHz)	1, 3, 10, 30	1, 3, 10, 30, 100	1, 3, 10, 30, 100
Min. Span (MHz)	0.5	1.5	1.5
Max. Span	Full bandwidth	Full bandwidth	Full bandwidth
Sweep Speed(s)	0.15 s @ 15 MHz Span	0.15 s @ 15 MHz Span	0.15 s @ 15 MHz Span
Accuracy (dB)	+/-1	+/-1	+/-1
Input	50 ohm SMA	50 ohm SMA	50 ohm SMA
Interface	USB-C	USB-C	USB-C
Battery Life (hours)	4	4	4
Operating temperature	-1°C to +55°C	-1°C to +55°C	-1°C to +55°C
Dimensions (in)	5.31 x 3.27 x 1.34in	5.31 x 3.27 x 1.34in	5.31 x 3.27 x 1.34in
Weight (lbs)	1.25	1.25	1.25

# SOFTWARE

PC software is included with each unit to closely examine recorded RF traces offline. It contains multiple functions to analyze the data and generate reports. The user can either remote control the Airscout Spectrum unit while testing via USB connection, or download the recorded RF data after the test is complete.

## SOFTWARE FEATURES:

- Intuitive and user-friendly GUI
- Remote control function with Spectrum Compact analyzer
- 10 markers with options MAX/MIN/FREQ/DELTA
- Trace controls: AVG 2/4/8/16; Hold MAX/MIN/MINMAX
- Power in Band
- Overlay
- Create masks
- Save images and raw spectrum files
- Add GPS files
- Create reports
- Update Spectrum Compact Analyzer



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# ORDERING INFORMATION

## BASE KIT

- Spectrum Analyzer
- USB charger cable
- USB-C to USB-A adapter

## DELUXE KIT

- All items from base kit
- Lanyard
- RF Cable
- Carabiner

CAT. NO.	DESCRIPTION
AGC350	AIRSCOUT GIGACHECK (INCL. MASTER CLIENT, CHARGER AND CARRY CASE)
CLDSA	12 MONTH CLOUD SERVICE
ASPEC03BK	AIRSCOUT SPECTRUM TOP LEVEL 3 GHZ BASIC KIT
ASPEC08BK	AIRSCOUT SPECTRUM TOP LEVEL 8 GHZ BASIC KIT
ASPEC40BK	AIRSCOUT SPECTRUM TOP LEVEL 40 GHZ BASIC KIT
ASPEC03DK	AIRSCOUT SPECTRUM TOP LEVEL 3 GHZ DELUXE KIT
ASPEC08DK	AIRSCOUT SPECTRUM TOP LEVEL 8 GHZ DELUXE KIT
ASPEC40DK	AIRSCOUT SPECTRUM TOP LEVEL 40 GHZ DELUXE KIT
ANTMMWAVE	AIRSCOUT SPECTRUM MMWAVE ANTENNA KIT

# ACCESSORIES



## SUB 6 GHZ ANTENNAS

We have a variety of antenna options, please contact us for the latest models.

## MMWAVE ANTENNA KIT

- Spectrum Analyzer
- USB charger cable
- USB-C to USB-A adapter

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