

Data Sheet

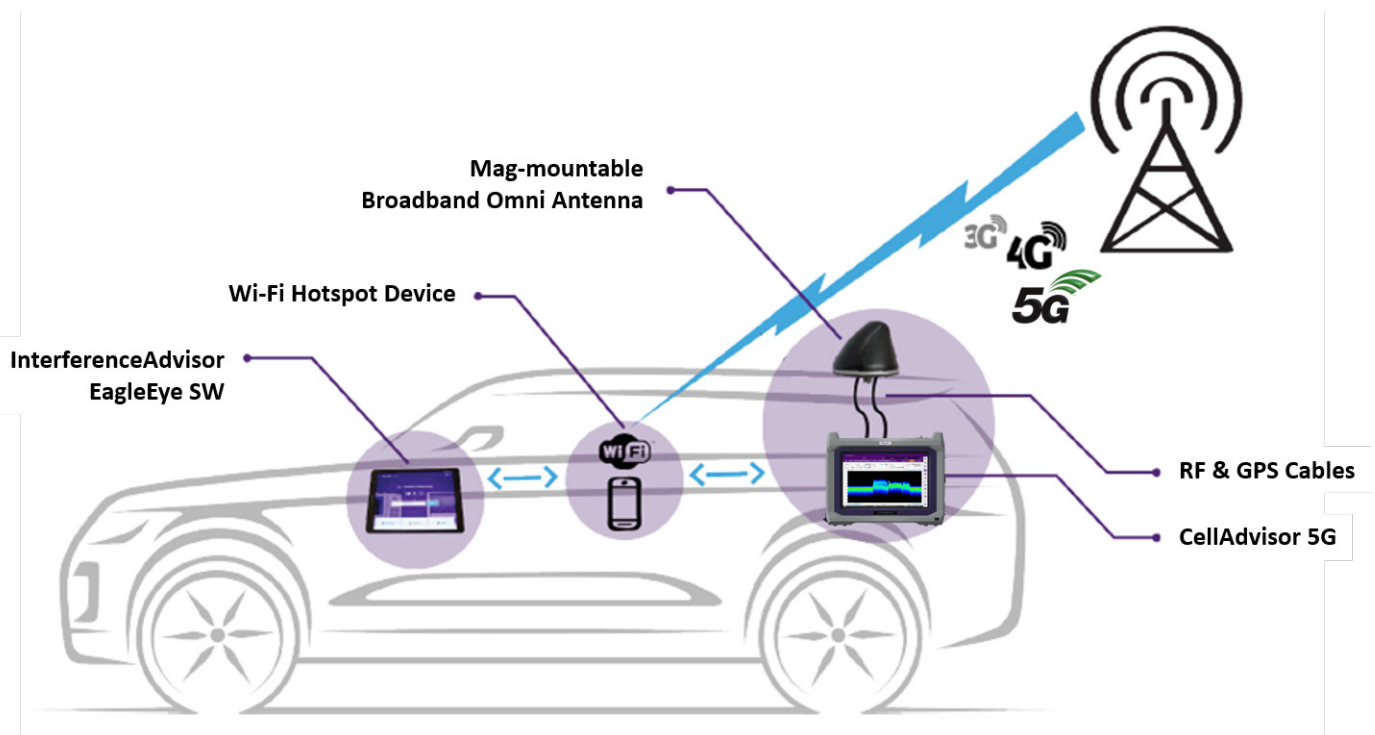
VIAVI InterferenceAdvisor

Fully automated interference hunting solution

Identifying and rectifying interference issues in a mobile environment is a challenging but critical task. Mobile users near the interference source will experience degraded call success rates, increased dropped calls, decreased battery life, poor voice quality, and reduced data throughput. Detecting, locating, and finally eliminating these sources of RF interference are critical to maintaining good user experience throughout the network.

VIAVI InterferenceAdvisor™ is a fully automated interference hunting solution that is the most user-friendly solution available today. Simple to set up and completely intuitive, InterferenceAdvisor allows one RF engineer to easily identify and locate an interference source with minimal effort: voice prompts simply direct the engineer to the source of interference. What used to take days or months to troubleshoot can now be done in hours by following a few simple steps.

VIAVI InterferenceAdvisor is a versatile tool that can help isolate all types of RF interference for common cellular channels.



Interference Hunting Solution Recommended Components

InterferenceAdvisor Basic Kit	Description	Part Number
InterferenceAdvisor System	InterferenceAdvisor System includes: <ul style="list-style-type: none"> · Tablet*, Samsung Galaxy Tab S2 or S3 · Car mounting kit · 1x2 USB Hub · USB C to USB A OTG adapter cable · Standard USB A to USB B cable · Soft carrying case for InterferenceAdvisor system 	IA811
EagleEye Software	EagleEye Basic	IA811-001
Wi-Fi USB LAN Card	Dual-band (2 GHz & 5 GHz) Wi-Fi USB LAN Card	Option 016 Wi-Fi connectivity included
Magnet Mount Broadband Omni Antenna		G700050358

* Shall be warranted for one (1) year under manufacturer's warranty

Magnet Mount Broadband Omni Antenna

Frequency	694 to 6000 MHz <ul style="list-style-type: none"> · Cable 1: 694 to 3700 MHz · Cable 2: 2400 to 6000 MHz 	G700050358
Gain	Cable 1: <ul style="list-style-type: none"> · 3 dBi, 694 to 960 MHz · 4 dBi, 1710 to 3700 MHz Cable 2: <ul style="list-style-type: none"> · 5 dBi, 2400 to 6000 MHz 	
Connector/Interface	RF: RF-195 Type-N Male GPS: RG-174 SMA Plug Male	
Roof Attachment	Magnetic mounting	
Shock & Vibration	IEEE1478, EN61373, TIA329.2-C	
Dust/Water Ingress	IP67	
Operating Temperature	-40 to +80°C (-40 to +176°F)	

Map

Online Map	Google Maps, OpenStreetMap
Offline Map	OpenStreetMap

InterferenceAdvisor recommended accessories		
AntennaAdvisor Handle		JD70050007
Broadband Log Periodic Antenna		
	650 to 4000 MHz	G70050366
	650 to 6000 MHz	G70050367
JDMapCreator		
	Free PC application software for radar chart	ver. 1.2.01 or higher
Bandpass Filters		
	696 MHz to 716 MHz, N(m) to N(f), 50 ohm	G700050601
	776 MHz to 788 MHz, N(m) to N(f), 50 ohm	G700050602
	806 MHz to 849 MHz, N(m) to N(f), 50 ohm	G700050603
	1710 MHz to 1755 MHz, N(m) to N(f), 50 ohm	G700050604
	1850 MHz to 1910 MHz, N(m) to N(f), 50 ohm	G700050605
	703 MHz to 748 MHz, N(m) to N(f), 50 ohm	G700050606
	832 MHz to 862 MHz, N(m) to N(f), 50 ohm	G700050607
	880 MHz to 915 MHz, N(m) to N(f), 50 ohm	G700050608
	1710 MHz to 1785 MHz, N(m) to N(f), 50 ohm	G700050609
	1920 MHz to 1980 MHz, N(m) to N(f), 50 ohm	G700050610
	2500 MHz to 2570 MHz, N(m) to N(f), 50 ohm	G700050611
	663 MHz to 698 MHz, N(m) to N(f), 50 ohm	G700050612
	3300 MHz to 3800 MHz, N(m) to N(f), 50 ohm	G700050613
	788 MHz to 798 MHz, N(m) to N(f), 50 ohm	G700050614
	2305 MHz to 2315 MHz, N(m) to N(f), 50 ohm	G700050615
Compatible instruments for interference hunting solution		
JD745B, JD746B, JD748B	Interference Analyzer Wi-Fi Connectivity GPS Connectivity	Option 011 Option 016 Option 010
JD785A, JD786A, JD788A	Interference Analyzer Wi-Fi Connectivity GPS Connectivity	Option 011 Option 016 Option 010
JD785B, JD786B, JD788B	Interference Analyzer Wi-Fi Connectivity GPS Connectivity	Option 011 Option 016 Option 010
CellAdvisor 5G	Interference Analyzer Wi-Fi Connectivity Gated Sweep GPS Connectivity	CA5000-S013 CA5000-S004 CA5000-S015 CA5000-S002
OneAdvisor-800	Interference Analysis Wi-Fi Connectivity Gated Sweep Spectrum GPS Connectivity	ONA-SP-INTAN ONA-MF-WIFI ONA-SP-GSS ONA-SP-GNSS

Features	
Connection	Wi-Fi, USB, and Ethernet
Tablet operating system	Android
Fully automated interference area detection support	■
Direction and navigation support	■
Light weight and easy to set up	■
Report generation include all necessary information	■
Radar Chart support	■
Spectrum control and display for detailed signal monitoring support	■
Gated Sweep control and display for TDD interference hunting	■
Online and offline map support	■
Auto save of trace data and screenshots	■
Touch screen lock when driving	■
Language	English, Chinese

VIAMI Care Support Plans

Increase your productivity for up to 5 years with optional VIAMI Care Support Plans:

- Maximize your time with on-demand training, priority technical application support and rapid service.
- Maintain your equipment for peak performance at a low, predictable cost.

Contact your local representative for more information on VIAMI Care Support Plan options or visit:

viavisolutions.com/viavicareplan

Features

*5-year plans only

Plan	Objective	Technical Assistance	Factory Repair	Priority Service	Self-paced Training	5 Year Battery and Bag Coverage	Factory Calibration	Accessory Coverage	Express Loaner
 BronzeCare	Technician Efficiency	Premium	✓	✓	✓				
 SilverCare	Maintenance & Measurement Accuracy	Premium	✓	✓	✓	✓*	✓		
 MaxCare	High Availability	Premium	✓	✓	✓	✓*	✓	✓	✓



Contact Us **+1 844 GO VIAMI**
(+1 844 468 4284)

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