

Data Sheet

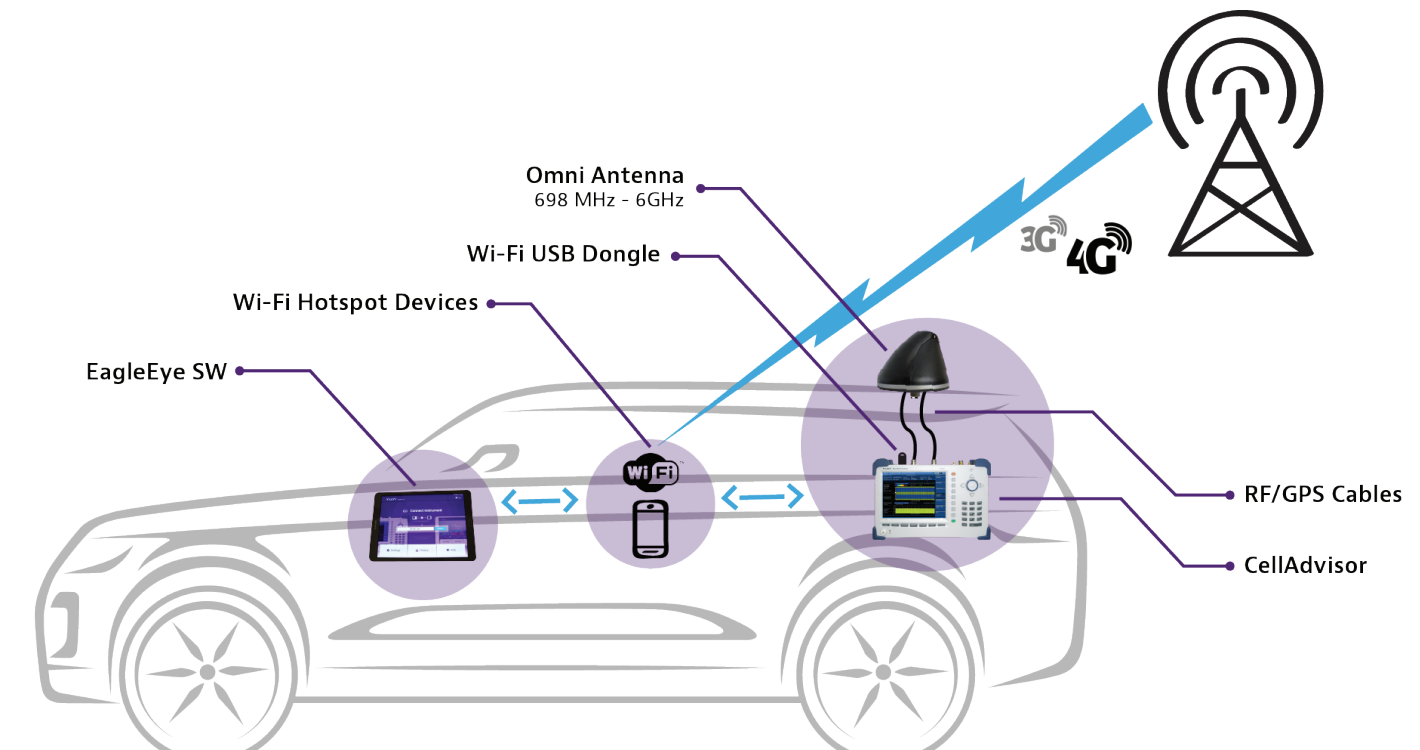
# VIAVI InterferenceAdvisor

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.



## VIAVI Interference Hunting Solution Recommended Components

InterferenceAdvisor Basic kit	Description	Part Number
InterferenceAdvisor System	InterferenceAdvisor System includes: <ul style="list-style-type: none"> <li>· Tablet*, Samsung Galaxy Tab S2 or S3, with GPS, 9.7"</li> <li>· Car mounting kit</li> <li>· 1x2 USB Hub</li> <li>· Soft carrying case for InterferenceAdvisor system</li> </ul>	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
Standard USB Type A to Type B cable and OTG cable		Standard accessory for IA811

\* 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"> <li>· Cable 1: 694 to 3700 MHz</li> <li>· Cable 2: 2400 to 6000 MHz</li> </ul>	G700050358
Gain	Cable 1: <ul style="list-style-type: none"> <li>· 3 dBi, 694 to 960 MHz</li> <li>· 4 dBi, 1710 to 3700 MHz</li> </ul> Cable 2: <ul style="list-style-type: none"> <li>· 5 dBi, 2400 to 6000 MHz</li> </ul>	
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)	

CellAdvisor JD788B (recommended)	Part Number
Signal analyzer	JD788B
Soft carrying case	JD74050341
GPS receiver and antenna	JD788B010
Interference analyzer option	JD788B011
Wi-Fi connectivity for JD788B (includes Wi-Fi USB LAN card)	JD788B016

Mapping	
Online Map	Google Maps, OpenStreetMap
Offline Map	OpenStreetMap

<b>InterferenceAdvisor recommended accessories</b>		
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AntennaAdvisor Handle		JD70050007
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<b>Broadband Yagi Antenna</b>		
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	698 to 4000 MHz	G70050366
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	698 to 6000 MHz	G70050367
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<b>JDMapCreator</b>		
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	Free PC application software for radar chart	ver. 1.2.01 or higher
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<b>Band Pass Filters</b>		
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	696 MHz to 716 MHz, N(m) to N(f), 50 ohm	G700050601
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	776 MHz to 788 MHz, N(m) to N(f), 50 ohm	G700050602
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	806 MHz to 849 MHz, N(m) to N(f), 50 ohm	G700050603
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	1710 MHz to 1755 MHz, N(m) to N(f), 50 ohm	G700050604
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	1850 MHz to 1910 MHz, N(m) to N(f), 50 ohm	G700050605
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	703 MHz to 748 MHz, N(m) to N(f), 50 ohm	G700050606
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	832 MHz to 862 MHz, N(m) to N(f), 50 ohm	G700050607
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	880 MHz to 915 MHz, N(m) to N(f), 50 ohm	G700050608
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	1710 MHz to 1785 MHz, N(m) to N(f), 50 ohm	G700050609
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	1920 MHz to 1980 MHz, N(m) to N(f), 50 ohm	G700050610
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	2500 MHz to 2570 MHz, N(m) to N(f), 50 ohm	G700050611
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	663 MHz to 698 MHz, N(m) to N(f), 50 ohm	G700050612
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<b>Compatible CellAdvisors models for interference hunting solution</b>		
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JD745B, JD746B, JD748B	Interference Analyzer Wi-Fi connectivity InterferenceAdvisor mobile basic	Option 011 Option 016 Option 180
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JD785A, JD786A, JD788A	Interference Analyzer Wi-Fi connectivity InterferenceAdvisor mobile basic	Option 011 Option 016 Option 180
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JD785B, JD786B, JD788B	Interference Analyzer Wi-Fi connectivity InterferenceAdvisor mobile basic	Option 011 Option 016 Option 180
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Features	
Connection	Wi-Fi and USB
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



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