



# InterferenceAdvisor™ EagleEye™ App

## Release Notes for Version 1.5.7

Welcome to release 1.5.7 of Viavi InterferenceAdvisor EagleEye App. This document provides version numbers, a description of new features, and a list of unresolved issues associated with this release, unless otherwise specified.

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## Version Numbers

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

### Software Application Version Configuration

|          |       |
|----------|-------|
| EagleEye | 1.5.7 |
|----------|-------|

### Compatible Instrument Firmware Version

|                                  |                       |
|----------------------------------|-----------------------|
| JD780A, JD780B, or JD740B series | 3.120.043 or higher   |
| CellAdvisor 5G                   | 5.105.016r or higher  |
| OneAdvisor 800                   | 2.200.0001r or higher |

## What's New in Version 1.5.7

- Add Interface with TDD Auto Gated Spectrum (TAGS) in Interference Hunting
- User-definable breadcrumb color codes in Interference Hunting

## Installation

- Online update is enabled with the following procedures:
  - Run the EagleEye app.
  - Go to **Settings**.
  - Tap **About EagleEye**.
  - Tap the **SOFTWARE UPDATE** button.

## System requirement

- Android tablet (Samsung Galaxy Tab S2 9.7", S3 9.7", S4 10.5", S5e 10.5", or S7 FE 12.4", Android version 7.0/8.0 or higher) with the EagleEye app installed
- InterferenceAdvisor EagleEye SW (Android App)
  - IA811-001 for Interference Hunting (mandatory)

- IA811-002 for Spectrum Clearing (optional)
- CellAdvisor JD780A, JD780B, or JD740B series (3.100.032 or higher), CellAdvisor 5G (Firmware 5.075.006r or higher) and OneAdvisor 800 (Bundle Firmware 3.1.1 or higher) with the following options installed:

CellAdvisor:

- Option #011 Interference Analyzer (mandatory)
- Option #010 GPS receiver and antenna (required for gated sweep mode)
- Option #016 Wi-Fi connectivity (required for Wi-Fi communication)

CellAdvisor 5G:

- Option S013 Interference Analyzer (mandatory)
- Option S015 Gated Sweep (required for gated sweep mode)
- Option S002 GPS Connectivity with GPS Antenna (required for gated sweep mode)
- Option S004 Wi-Fi Connectivity (required for Wi-Fi communication)

OneAdvisor 800:

- Option SP-INTAN Interference Analyzer (mandatory)
- Option SP-GSS Gated Sweep (required for gated sweep mode)
- Option SP-GNSS GNSS Connectivity with GPS Antenna (required for gated sweep mode)
- Option MF-WIFI Connectivity (required for Wi-Fi communication)

## Fixed Problems

- None

## Known Issues

- None

## Known Limitations

- None

## Previous Version History

This section provides history of previous software versions.

## Release 1.5.6

### Version Numbers

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

#### Software Application Version Configuration

|          |       |
|----------|-------|
| EagleEye | 1.5.6 |
|----------|-------|

#### Compatible Instrument Firmware Version

|                                  |                       |
|----------------------------------|-----------------------|
| JD780A, JD780B, or JD740B series | 3.120.043 or higher   |
| CellAdvisor 5G                   | 5.100.029r or higher  |
| OneAdvisor 800                   | 2.100.0009r or higher |

### What's New in Version 1.5.6

- 5G NR added to Technology in Gated Sweep
- Marker control added to the spectrum view of Spectrum Clearing history views
- Support for Dual Gates in Gated Sweep for interference hunting when connected to OneAdvisor 800 or CellAdvisor 5G
- Auto save at 5% and 1% of the tablet battery life
- The activity selection screen changed to show both Interference Hunting and Spectrum Clearing

### Installation

- Online update is enabled with the following procedures:
  - Run the EagleEye app.
  - Go to **Settings**.
  - Tap **About EagleEye**.
  - Tap the **SOFTWARE UPDATE** button.

### System requirement

- Android tablet (Samsung Galaxy Tab S2 9.7", S3 9.7", S4 10.5", S5e 10.5", or S7 FE 12.4", Android version 7.0/8.0 or higher) with the EagleEye app installed
- InterferenceAdvisor EagleEye SW (Android App)

- IA811-001 for Interference Hunting (mandatory)
- IA811-002 for Spectrum Clearing (optional)
- CellAdvisor JD780A, JD780B, or JD740B series (3.100.032 or higher), CellAdvisor 5G (Firmware 5.075.006r or higher) and OneAdvisor 800 (Bundle Firmware 3.1.1 or higher) with the following options installed:

CellAdvisor:

- Option #011 Interference Analyzer (mandatory)
- Option #010 GPS receiver and antenna (required for gated sweep mode)
- Option #016 Wi-Fi connectivity (required for Wi-Fi communication)

CellAdvisor 5G:

- Option S013 Interference Analyzer (mandatory)
- Option S015 Gated Sweep (required for gated sweep mode)
- Option S002 GPS Connectivity with GPS Antenna (required for gated sweep mode)
- Option S004 Wi-Fi Connectivity (required for Wi-Fi communication)

OneAdvisor 800:

- Option SP-INTAN Interference Analyzer (mandatory)
- Option SP-GSS Gated Sweep (required for gated sweep mode)
- Option SP-GNSS GNSS Connectivity with GPS Antenna (required for gated sweep mode)
- Option MF-WIFI Connectivity (required for Wi-Fi communication)

## Fixed Problems

- No display of spectrogram in the mini spectrogram of auto captured screens

## Known Issues

- None

## Known Limitations

- None

## Previous Version History

This section provides history of previous software versions.

## Release 1.5.5

### Version Numbers

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

#### Software Application Version Configuration

|          |       |
|----------|-------|
| EagleEye | 1.5.5 |
|----------|-------|

#### Compatible Instrument Firmware Version

|                                  |                      |
|----------------------------------|----------------------|
| JD780A, JD780B, or JD740B series | 3.100.032 or higher  |
| CellAdvisor 5G                   | 5.075.006r or higher |
| OneAdvisor-800                   | 3.1.1                |

### What's New in Version 1.5.5

- Optional Feature: Spectrum Clearing Mode (CellAdvisor 5G or OneAdvisor-800)
- Setup Save/Load in Spectrum Control
- Report Generation in History
- Results Save as KML Files
- New Instrument Connection Screen

### Installation

- Online update is enabled with the following procedures:
  - Run the EagleEye app.
  - Go to **Settings**.
  - Tap **About EagleEye**.
  - Tap the **SOFTWARE UPDATE** button.

### System requirement

- Android tablet (Samsung Galaxy Tab S2 9.7", S3 9.7", S4 10.5", or S5e 10.5", Android version 7.0/8.0 or higher) with the EagleEye app installed
- InterferenceAdvisor EagleEye SW (Android App)
  - IA811-001 for Interference Hunting (mandatory)

- IA811-002 for Spectrum Clearing (optional)
- CellAdvisor JD780A, JD780B, or JD740B series (3.100.032 or higher), CellAdvisor 5G (Firmware 5.075.006r or higher) and ONA-800A (Bundle Firmware 3.1.1 or higher) with the following options installed:

CellAdvisor:

- Option #011 Interference Analyzer (mandatory)
- Option #010 GPS receiver and antenna (required for gated sweep mode)
- Option #016 Wi-Fi connectivity (required for Wi-Fi communication)

CellAdvisor 5G:

- Option S013 Interference Analyzer (mandatory)
- Option S015 Gated Sweep (required for gated sweep mode)
- Option S002 GPS Connectivity with GPS Antenna (required for gated sweep mode)
- Option S004 Wi-Fi Connectivity (required for Wi-Fi communication)

ONA-800A:

- Option SP-INTAN Interference Analyzer (mandatory)
- Option SP-GSS Gated Sweep (required for gated sweep mode)
- Option SP-GNSS GPS Connectivity with GPS Antenna (required for gated sweep mode)
- Option MF-WIFI Connectivity (required for Wi-Fi communication)

## Fixed Problems

- None

## Known Issues

- None

## Known Limitations

- None

## Release 1.5.4

### Version Numbers

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

#### Software Application Version Configuration

|          |       |
|----------|-------|
| EagleEye | 1.5.4 |
|----------|-------|

#### Compatible Instrument Firmware Version

|                                  |                      |
|----------------------------------|----------------------|
| JD780A, JD780B, or JD740B series | 3.100.032 or higher  |
| CellAdvisor 5G                   | 5.075.006r or higher |
| OneAdvisor-800                   | 3.1.1                |

### What's New in Version 1.5.4

- New 'Screen Unlock' icon that allows users to unlock the screen of a connected instrument (CellAdvisor 5G or OneAdvisor-800)



### Installation

- Online update is enabled with the following procedures:
  - Run the EagleEye app.
  - Go to **Settings**.
  - Tap **About EagleEye**.
  - Tap the **SOFTWARE UPDATE** button.

### Fixed Problems

- Intermittently incorrect reading of Channel Power



## Known Issues

- None

## Known Limitations

- None

## Release 1.5.3

## Version Numbers

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

### Software Application Version Configuration

|          |       |
|----------|-------|
| EagleEye | 1.5.3 |
|----------|-------|

### Compatible Instrument Firmware Version

|                                  |                      |
|----------------------------------|----------------------|
| JD780A, JD780B, or JD740B series | 3.100.032 or higher  |
| CellAdvisor 5G                   | 5.075.006r or higher |
| OneAdvisor-800                   | 3.1.1                |

## What's New in Version 1.5.3

- None

## Fixed Problems

- A marker set in the Spectrum Control view goes outside of the Peak Power bandwidth on the mini spectrum in the Map view.

## Known Issues

- None

## Known Limitations

- None

## Release 1.5.2

## Version Numbers

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

### Software Application Version Configuration

|          |       |
|----------|-------|
| EagleEye | 1.5.2 |
|----------|-------|

### Compatible Instrument Firmware Version

|                                  |                      |
|----------------------------------|----------------------|
| JD780A, JD780B, or JD740B series | 3.100.032 or higher  |
| CellAdvisor 5G                   | 5.075.006r or higher |
| OneAdvisor-800                   | 3.1.1                |

## What's New in Version 1.5.2

- None

## Fixed Problems

- Pre-amp status mismatch between InterferenceAdvisor and CellAdvisor 5G/OneAdvisor-800
- Sweep mode mismatch between InterferenceAdvisor and CellAdvisor 5G/OneAdvisor-800
- GPS locking issue in China
- No display of spectrum trace on CellAdvisor 5G FW 5.070
- Gated Sweep mode set to ON in Spectrum Control view changed back to OFF in Map view

## Known Issues

- None

## Known Limitations

- None

## **Release 1.5.1**

### **Version Numbers**

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

#### **Software Application Version Configuration**

|          |       |
|----------|-------|
| EagleEye | 1.5.1 |
|----------|-------|

#### **Compatible Instrument Firmware Version**

|                                  |                      |
|----------------------------------|----------------------|
| JD780A, JD780B, or JD740B series | 3.100.032 or higher  |
| CellAdvisor 5G                   | 5.065.041r or higher |
| OneAdvisor-800                   | 1.2.0                |

### **What's New in Version 1.5.1**

- None

### **Fixed Problems**

- Unable to Go Interference Hunting without Gated Sweep License and License disabled error

### **Known Issues**

- Unable to Connect to CA5G/ONA-800 Connect to iPhone Hotspot

### **Known Limitations**

- None

## **Release 1.5.0**

### **Version Numbers**

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

#### **Software Application Version Configuration**

|          |       |
|----------|-------|
| EagleEye | 1.5.0 |
|----------|-------|

#### **Compatible Instrument Firmware Version**

|                                  |                      |
|----------------------------------|----------------------|
| JD780A, JD780B, or JD740B series | 3.100.032 or higher  |
| CellAdvisor 5G                   | 5.065.041r or higher |
| OneAdvisor-800                   | 1.2.0                |

### **What's New in Version 1.5.0**

- Interface with CellAdvisor 5G and OneAdvisor-800
- Wireline connectivity between the tablet and the instrument via Ethernet
- No need of software option #180 dedicated to InterferenceAdvisor Mobile

### **Fixed Problems**

- None

### **Known Issues**

- None

### **Known Limitations**

- None

## **Release 1.4.5**

### **Version Numbers**

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

#### **Software Application Version Configuration**

|          |       |
|----------|-------|
| EagleEye | 1.4.5 |
|----------|-------|

#### **Compatible CellAdvisor Firmware Version**

|                                  |                     |
|----------------------------------|---------------------|
| JD780A, JD780B, or JD740B series | 3.100.032 or higher |
|----------------------------------|---------------------|

### **What's New in Version 1.4.5**

- None

### **Fixed Problems**

- Communication freeze when connected to a CellAdvisor with its Web Remote turned on or not properly turned off on the instrument

### **Known Issues**

- None

### **Known Limitations**

- None

## **Release 1.4.4**

### **Version Numbers**

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

## Software Application Version Configuration

|          |       |
|----------|-------|
| EagleEye | 1.4.4 |
|----------|-------|

## Compatible CellAdvisor Firmware Version

|                                  |                     |
|----------------------------------|---------------------|
| JD780A, JD780B, or JD740B series | 3.100.032 or higher |
|----------------------------------|---------------------|

## What's New in Version 1.4.4

- None

## Fixed Problems

- Could not update software to version 1.4.3 in EagleEye

## Known Issues

- None

## Known Limitations

- None

## Release 1.4.3

## Version Numbers

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

## Software Application Version Configuration

|          |       |
|----------|-------|
| EagleEye | 1.4.3 |
|----------|-------|

## Compatible CellAdvisor Firmware Version

|                                  |                     |
|----------------------------------|---------------------|
| JD780A, JD780B, or JD740B series | 3.100.032 or higher |
|----------------------------------|---------------------|

## What's New in Version 1.4.3

- Support of new display resolution (2560 x 1600 pixels) of Samsung Galaxy Tab S4

## Fixed Problems

- After creating a report file, could not open the saved file in .pdf

## Known Issues

- None

## Known Limitations

- None

## Release 1.4.2

## Version Numbers

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

### Software Application Version Configuration

|          |       |
|----------|-------|
| EagleEye | 1.4.2 |
|----------|-------|

### Compatible CellAdvisor Firmware Version

|                                  |                     |
|----------------------------------|---------------------|
| JD780A, JD780B, or JD740B series | 3.090.032 or higher |
|----------------------------------|---------------------|

## What's New in Version 1.4.2

- None

## Problems

- Crash on the spectrum view inside the replay mode
- License validation error on a registered tablet

## Known Issues Fixed

- None

## Known Limitations

- None

## Release 1.4.1

## Version Numbers

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

### Software Application Version Configuration

|          |       |
|----------|-------|
| EagleEye | 1.4.1 |
|----------|-------|

### Compatible CellAdvisor Firmware Version

|                                  |                     |
|----------------------------------|---------------------|
| JD780A, JD780B, or JD740B series | 3.090.032 or higher |
|----------------------------------|---------------------|

## What's New in Version 1.4.1

- Timestamp added to the breadcrumb details in the Map view and the History

## Fixed Problems

- Offline Map Downloader
  - Improved to load the world map when going to the offline map downloader
  - Changed to go to my location when the 'my location' icon is tapped once
  - Changed to load a map area initially based on the current location for a first-time user
- For users in China only – Fixed the GPS lock problem with OpenStreetMap. It requires the language setting set to Chinese to have the GPS work properly.

## Known Issues

- None



## Known Limitations

- None

## Release 1.4.0

## Version Numbers

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

### Software Application Version Configuration

|          |       |
|----------|-------|
| EagleEye | 1.4.0 |
|----------|-------|

### Compatible CellAdvisor Firmware Version

|                                  |                     |
|----------------------------------|---------------------|
| JD780A, JD780B, or JD740B series | 3.090.032 or higher |
|----------------------------------|---------------------|

## What's New in Version 1.4.0

- New enhancement release of software application with the following features:
  - Supportability of OpenStreetMap and offline maps
  - Autosave of trace data and screenshots
  - Display of warning message at the start of the EagleEye app
  - Software update without connecting to a CellAdvisor
  - Addition of the spectrum 'Hold' button to pause/resume the trace update
  - Touch screen lock when driving
  - Language in Chinese

## Fixed Problems

- None

## Known Issues

- None

## Known Limitations

- None

## **Release 1.3.1**

### **Version Numbers**

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

#### **Software Application Version Configuration**

|          |       |
|----------|-------|
| EagleEye | 1.3.1 |
|----------|-------|

#### **Compatible CellAdvisor Firmware Version**

|                                  |  |
|----------------------------------|--|
| JD780A, JD780B, or JD740B series | 3.065.447, 3.066.047, 3.070.041<br>and later |
|----------------------------------|--|

### **What's New in Version 1.3.1**

- New enhancement release of software application with the following features:
  - If there is no server response, users can still use the EagleEye app without closing it.

### **Fixed Problems**

- None

### **Known Issues**

- None

### **Known Limitations**

- None

## **Release 1.3.0**

## Version Numbers

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

### Software Application Version Configuration

|          |       |
|----------|-------|
| EagleEye | 1.3.0 |
|----------|-------|

### Compatible CellAdvisor Firmware Version

|                                  |   |
|----------------------------------|---|
| JD780A, JD780B, or JD740B series | 3.065.447, 3.066.047, 3.070.041 and later |
|----------------------------------|---|

## What's New in Version 1.3.0

- New enhancement release of software application with the following features:
  - Mini spectrogram on the map view (real time)
  - Enable a marker to easily set and move to a designated frequency
  - Sensitivity mode to support a quick move to an optimized mode based on pre-defined settings (shortcut)
  - Sweep mode control between Fast and Normal
  - Enable tracking settings
  - Enable peak power bandwidth setting so that users can set peak power bandwidth to be included on location estimation within the span
  - Enable a voice prompt repeatedly after the first estimation
  - Add a hide and show menu
  - Add s shortcut to show satellite view
  - Alarm sound control for spectrum limit alarm and/or map view alarm
  - Improve usability to quickly access and/or change configurations.
  - Spectrum information display (RBW, Atten, Preamp)
  - Add channel power bandwidth setting values on the spectrum display (Mini spectrum, Spectrum, Spectrum Control)
  - Match the color set in a map view and a history view
  - USBTMC communication
  - Support gated sweep setting for TDD interference hunting
  - License activation control
  - Logging with power history graph

## Fixed Problems

- None

## Known Issues

- None

## Known Limitations

- None

## Release 1.0.0

## Version Numbers

The following table lists the versions of related VIAVI hardware and/or software that can be used in conjunction with this release for InterferenceAdvisor EagleEye App.

### Software Application Version Configuration

|          |       |
|----------|-------|
| EagleEye | 1.0.0 |
|----------|-------|

### Compatible CellAdvisor Firmware Version

|                                  |                     |
|----------------------------------|---------------------|
| JD780A, JD780B, or JD740B series | 3.061.xxx and later |
|----------------------------------|---------------------|

## What's New in Version 1.0.0

- First release of software application with the following features:
  - Visualize received signal strength on the roads
  - Indicate suspected area of interference onto map
  - Directions and navigations
  - Spectrum control and display

## Fixed Problems

- None

## Known Issues

- None

## Known Limitations

- None

## Technical Assistance

For assistance related to the use of your product, call or e-mail VIAVI Technical Assistance Center (TAC) in your region. For a current listing of TAC phone numbers and e-mail addresses, go to:

<http://www.viavisolutions.com/en/services-and-support/support/technical-assistance>

## Document History

| Revision         | Date            | Reason for revision        |
|------------------|-----------------|----------------------------|
| 22114264 rev 000 | June 20, 2016   | 1.0.0 EagleEye App Release |
| 22114264 rev 001 | July 24, 2017   | 1.3.0 EagleEye App Release |
| 22114264 rev 002 | Sep 25, 2017    | 1.3.1 EagleEye App Release |
| 22114264 rev 003 | May 16, 2018    | 1.4.0 EagleEye App Release |
| 22114264 rev 004 | Aug 17, 2018    | 1.4.1 EagleEye App Release |
| 22114264 rev 005 | Sep 27, 2018    | 1.4.2 EagleEye App Release |
| 22114264 rev 006 | Jan 30, 2019    | 1.4.3 EagleEye App Release |
| 22114264 rev 007 | Mar 21, 2019    | 1.4.4 EagleEye App Release |
| 22114264 rev 008 | June 3, 2019    | 1.4.5 EagleEye App Release |
| 22114264 rev 009 | July 23, 2020   | 1.5.0 EagleEye App Release |
| 22114264 rev 010 | August 27, 2020 | 1.5.1 EagleEye App Release |
| 22114264 rev 011 | March 11, 2021  | 1.5.3 EagleEye App Release |
| 22114264 rev 012 | April 28, 2021  | 1.5.4 EagleEye App Release |
| 22114264 rev 013 | Aug 13, 2021    | 1.5.5 EagleEye App Release |
| 22114264 rev 014 | May 10, 2022    | 1.5.6 EagleEye App Release |
| 22114264 rev 015 | Aug 25, 2022    | 1.5.7 EagleEye App Release |



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