InterferenceAdvisor™ EagleEye™ App Release Notes for Version 1.7.0

Welcome to release 1.7.0 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.

Contents

Version Numbers 2

What's New in Version 1.7.0 2

Fixed Problems 3

Known Issues 3

Known Limitations 3

Installation 3

Previous Version History 4

___*Release 1.6.4* 4

___*Release 1.6.3* 6

___*Release 1.6.2* 8

___*Release 1.6.1* 10

___*Release 1.6.0* 12

___*Release 1.5.9* 14

___*Release 1.5.8* 17

___*Release 1.5.7* 19

___*Release 1.5.6* 21

___*Release 1.5.5* 23

___*Release 1.5.4* 25

___*Release 1.5.3* 26

___*Release 1.5.2* 27

___*Release 1.5.1* 28

Release 1.5.0 29
Release 1.4.5 30
Release 1.4.4 30
Release 1.4.3 31
Release 1.4.2 32
Release 1.4.1 33
Release 1.4.0 34
Release 1.3.1 35
Release 1.3.0 36
Release 1.0.0 37
Technical Assistance 38
Document History 38

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	1.7.0

Compatible Instrument Firmware Version

JD780A, JD780B, or JD740B series	3.120.043 or higher
CellAdvisor 5G	5.135.xxxr or higher
OneAdvisor 800	20.0800.xxxxr or higher
OneAdvisor 800 (Denali)	21.0800.xxxxr or higher

What's New in Version 1.7.0

- Improved synchronization of EagleEye and OneAdvisor 800 device settings, consistent with the existing 1.6.4 (latest release) functionality
- Improved mode switching between IA, SA, and TAGS (OPC added)
    - Setting synchronization when switching between IA and SA modes (Span, VBW/RBW)
- Improved handling of various Out of Range conditions; messages now display the actual Min/Max values and units

    - Previously, only fixed predefined values were displayed
- Improved Connection/Read/Write/Query/Close handling for Network and USB communication
    - Now uses a single common module instead of separate Network and USB-TMC implementations
- Improved Trace Data/Chart update handling
- Added save setup for TDD Gated Sweep parameters
- Changed the default GPS source for location information from the instrument GNSS to the Table GNSS

Fixed Problems

- None

Known Issues

- None

Known Limitations

- None

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 S7 FE 12.4”, S9 FE 12.4”, S10 FE 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)

- The following products with the options below installed are required: CellAdvisor JD780A, JD780B, or JD740B series, CellAdvisor 5G, and OneAdvisor 800.

  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)
  - Option S021 TDD Auto Gated Spectrum (required for interference hunting with TAGS)

  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)
  - Option SP-TAGS Auto Gated Spectrum (required for Interference Hunting with TAGS)

Previous Version History

This section provides history of previous software versions.

Release 1.6.4

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	1.6.4

Compatible Instrument Firmware Version

JD780A, JD780B, or JD740B series	3.120.043 or higher
CellAdvisor 5G	5.135.xxxr or higher
OneAdvisor 800	20.0800.xxxxr or higher
OneAdvisor 800 (Denali)	21.0800.xxxxr or higher

What's New in Version 1.6.4

- Support of Spectrum-NET data
- Result save as HTML for Google Maps
- Support of new display resolution (1440 x 2304 pixels)

Fixed Problems

- Results save KML with color scale for Google Earth

Known Issues

- None

Known Limitations

- None

System requirement

- Android tablet (Samsung Galaxy Tab S7 FE 12.4", S9 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)
- Option S021 TDD Auto Gated Spectrum (required for interference hunting with TAGS)

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)
- Option SP-TAGS Auto Gated Spectrum (required for Interference Hunting with TAGS)

Release 1.6.3

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	1.6.3

Compatible Instrument Firmware Version

JD780A, JD780B, or JD740B series	3.120.043 or higher
CellAdvisor 5G	5.130.xxxr or higher
OneAdvisor 800	2.700.xxxxr or higher

What's New in Version 1.6.3

- Expandable spectrogram in the map view
- Help added to Settings > About EagleEye

Fixed Problems

- None

Known Issues

- None

Known Limitations

- None

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)
- Option S021 TDD Auto Gated Spectrum (required for interference hunting with TAGS)

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)
- Option SP-TAGS Auto Gated Spectrum (required for Interference Hunting with TAGS)

Previous Version History

This section provides history of previous software versions.

Release 1.6.2

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	1.6.2

Compatible Instrument Firmware Version

JD780A, JD780B, or JD740B series	3.120.043 or higher
CellAdvisor 5G	5.125.xxxr or higher
OneAdvisor 800	2.600.xxxxr or higher

What's New in Version 1.6.2

- Interface with RAN Analyzer's TAGS Spectrum
- Sync status indicator for TAGS Spectrum

Fixed Problems

- None

Known Issues

- None

Known Limitations

- None

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)
- Option S021 TDD Auto Gated Spectrum (required for interference hunting with TAGS)

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)
- Option SP-TAGS Auto Gated Spectrum (required for Interference Hunting with TAGS)

Previous Version History

This section provides history of previous software versions.

Release 1.6.1

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	1.6.1

Compatible Instrument Firmware Version

JD780A, JD780B, or JD740B series	3.120.043 or higher
CellAdvisor 5G	5.120.xxxr or higher
OneAdvisor 800	2.500.xxxxr or higher

What's New in Version 1.6.1

- User-definable color scale for breadcrumbs on the map in the History view

- Change of default setting of user-definable color scale for breadcrumbs on the map from [-100 to 0] to [-130 to -70]

Fixed Problems

- Fixed the bug that did not properly load a setup saved in EagleEye
- Fixed the issue that caused no display of spectrum due to off scaling

Known Issues

- None

Known Limitations

- None

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)
- Option S021 TDD Auto Gated Spectrum (required for interference hunting with TAGS)

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)
- Option SP-TAGS Auto Gated Spectrum (required for Interference Hunting with TAGS)

Previous Version History

This section provides history of previous software versions.

Release 1.6.0

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	1.6.0

Compatible Instrument Firmware Version

JD780A, JD780B, or JD740B series	3.120.043 or higher
CellAdvisor 5G	5.115.xxxr or higher

OneAdvisor 800	2.400.xxxxr or higher

What's New in Version 1.6.0

- Import of cell information onto the map
- Display of the battery status of a connected instrument
- EagleEye version information included in result files

Fixed Problems

- Fixed the issue of version 1.5.7 not supporting history files saved in versions 1.5.6 and older with the user-defined color codes in the History view

Known Issues

- None

Known Limitations

- None

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)
  - Option S021 TDD Auto Gated Spectrum (required for interference hunting with TAGS)

  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)
  - Option SP-TAGS Auto Gated Spectrum (required for Interference Hunting with TAGS)

Previous Version History

This section provides history of previous software versions.

Release 1.5.9

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	1.5.9

Compatible Instrument Firmware Version

JD780A, JD780B, or JD740B series	3.120.043 or higher
CellAdvisor 5G	5.110.xxxr or higher
OneAdvisor 800	2.300.xxxxr or higher

What's New in Version 1.5.9

- SSB Auto Search & SIB1 Search in the TAGS mode

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)
- Option S021 TDD Auto Gated Spectrum (required for interference hunting with TAGS)

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)
- Option SP-TAGS Auto Gated Spectrum (required for Interference Hunting with TAGS)

Fixed Problems

- Fixed the LTE TDD Gated Sweep mode not working properly

Known Issues

- None

Known Limitations

- None

Previous Version History

This section provides history of previous software versions.

Release 1.5.8

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	1.5.8

Compatible Instrument Firmware Version

JD780A, JD780B, or JD740B series	3.120.043 or higher
CellAdvisor 5G	5.105.016r or higher
OneAdvisor 800	2.210.0003r or higher

What's New in Version 1.5.8

- None

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

- The connection lost warning message when connected via USB with the instrument in the Interference Analyzer mode

Known Issues

- None

Known Limitations

- None

Previous Version History

This section provides history of previous software versions.

Release 1.5.7

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 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
22114264 rev 016	Oct 14, 2022	1.5.8 EagleEye App Release
22114264 rev 017	Dec 9, 2022	1.5.9 EagleEye App Release
22114264 rev 018	April 21, 2023	1.6.0 EagleEye App Release
22114264 rev 019	August 18, 2023	1.6.1 EagleEye App Release
22114264 rev 020	Dec 15, 2023	1.6.2 EagleEye App Release
22114264 rev 021	April 19, 2024	1.6.3 EagleEye App Release
22114264 rev 022	Aug 16, 2024	1.6.4 EagleEye App Release
22114264 rev 023	Oct 16, 2026	1.7.0 EagleEye App Release



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