WinTune™ User Manual

v1.3

November 13, 2025

Contents

1. Introduction

The purpose of this manual is to present how to set up and use the WinTune™ coding system. The audience is assumed to have basic understanding of optical coding.

2. Revision History

Version	Author	Description	Dates
1.0	Haley Pierson	Initial release of the manual.	July 23, 2025
1.1	Haley Pierson	Temperature shutoff and real-time monitoring information.	August 4, 2025
1.2	Haley Pierson	Symbol definitions and software updates.	August 18, 2025
1.3	Haley Pierson	Auto-replay, tuning, additional screenshots, and online vs. offline functionality.	November 13, 2025

1. Release Notes

- Version 1.0 - Initial release of the manual.
- Version 1.1 – Added a screenshot and note about temperature shutoff in the event of overheating. Added a screenshot and note about real-time monitoring – what the color-coding means and how to avoid a red Rx.
- Version 1.2 - Added sections for symbol definitions and how to update the software.
- Version 1.3 – Added auto-replay, tuning, additional screenshots, and online vs. offline functionality information.

3. What is WinTune™?

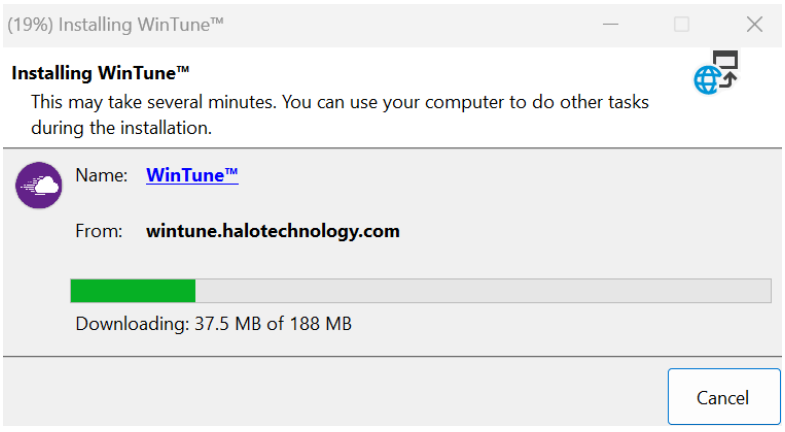
- The WinTune™ coding system offers users a high-availability, cloud-based application to support nearly any network device in their network through access to our vast programming code library of over 90 OEMs and thousands of transceiver SKUs. The WinTune™ appliance currently accepts SFP/SFP+/SFP28, XFP, QSFP+/QSFP28, and QSFP-DD transceiver form factors. WinTune™ is hosted in a secure, critical uptime cloud environment and offers superior functionality and value-added diagnostics. With one-step programming, users simply select the desired programming option from the drop-down menu and click. Additionally, WinTune™ enables portability between the office and the field with an included padded carry case, appliance, and USB-C cable. For ease of use, WinTune™ enables operation through Windows, avoiding the need for Java.

4. Equipment Needed

- Programming box
- Software
- USB-C cable
- Transceiver

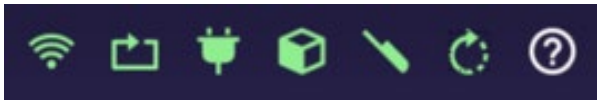
5. Installation

1. Navigate to the WinTune™ download page: https://wintune.halotechnology.com/ClickOnce/download.html.
2. Click “install.” This will download “Setup.exe” to your downloads folder.
3. Navigate to your downloads folder and click “Setup.exe.”



4. When the installation is finished, WinTune™ will automatically launch and will place a WinTune™ executable on your desktop.
5. Launch WinTune™ by double-clicking the WinTune™ icon on your desktop or by searching for WinTune™ from the Windows search bar.

6. Symbol Definitions



The symbols above are defined from left to right. Green indicates normal operation. Red indicates an error of some kind.

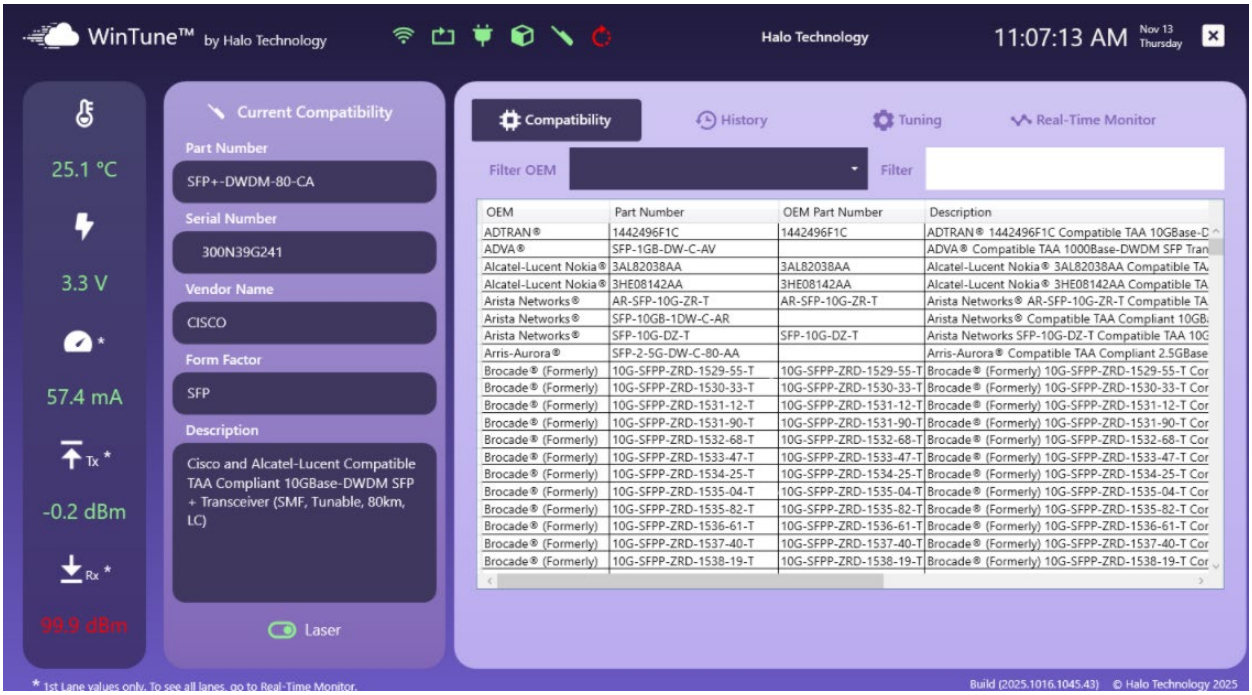
1. Internet status.
2. Auto-reconnect functionality.
3. Box connection.
    a. The programming box's serial number can be found by hovering over the plug symbol.
4. API status for authentication.
5. Port status – transceiver present or missing.
6. Auto-replay.
7. Launch support.

7. Recoding a Transceiver

Once the WinTune™ software is installed, follow the steps below to recode a transceiver.

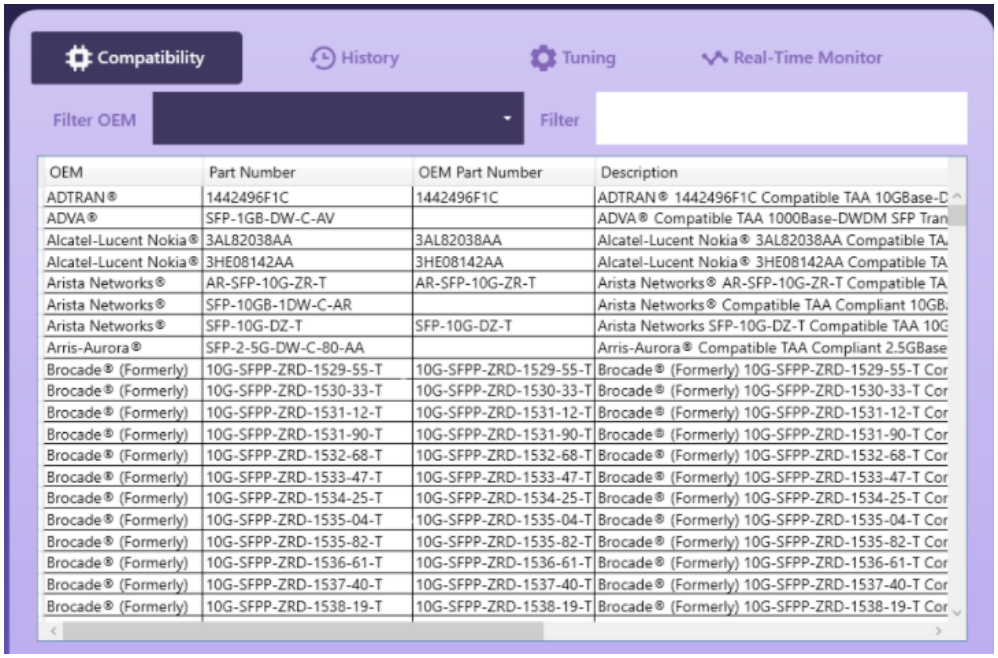
1. Plug the included USB-C cable into your computer and the WinTune™ box.
2. Open the WinTune™ software.

3. Your WinTune™ system should present the following view. The red icon at the top of the screen indicates that no transceiver is present in the WinTune™ device.



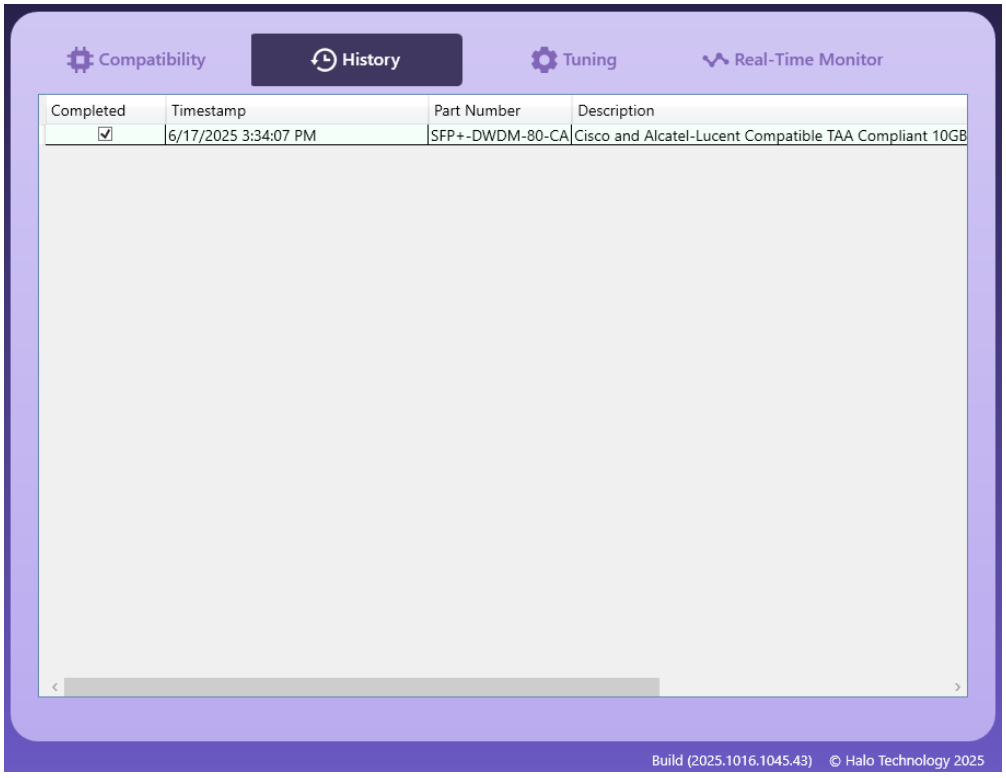
4. Plug your transceiver into the WinTune™ device. A SFP transceiver has been used for this user manual.
5. The WinTune™ software will present the following view. The  icon indicates that a transceiver is present in the device.
6. The  icon will take you to our technical support web page.
7. The “Laser” on and off toggle can be adjusted by the user.

8. The “Compatibility” screen features a drop-down OEM filter menu and an additional filter you can type criterion into to assist with selecting your required code.



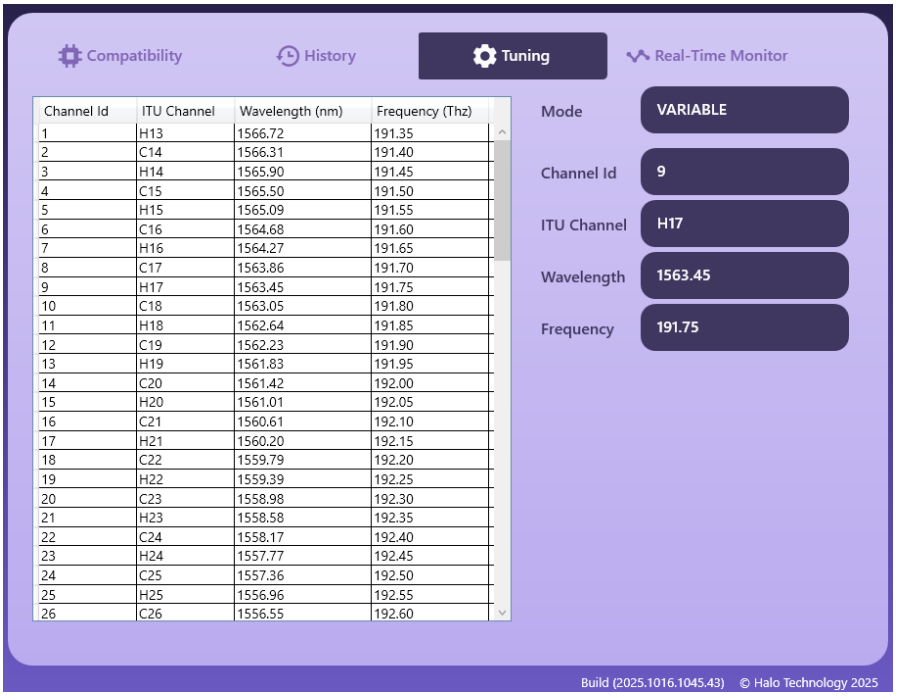
OEM	Part Number	OEM Part Number	Description
ADTRAN®	1442496F1C	1442496F1C	ADTRAN® 1442496F1C Compatible TAA 10GBase-D
ADVA®	SFP-1GB-DW-C-AV		ADVA® Compatible TAA 1000Base-DWDM SFP Tran
Alcatel-Lucent Nokia®	3AL82038AA	3AL82038AA	Alcatel-Lucent Nokia® 3AL82038AA Compatible TA
Alcatel-Lucent Nokia®	3HE08142AA	3HE08142AA	Alcatel-Lucent Nokia® 3HE08142AA Compatible TA
Arista Networks®	AR-SFP-10G-ZR-T	AR-SFP-10G-ZR-T	Arista Networks® AR-SFP-10G-ZR-T Compatible TA
Arista Networks®	SFP-10GB-1DW-C-AR		Arista Networks® Compatible TAA Compliant 10GB
Arista Networks®	SFP-10G-DZ-T	SFP-10G-DZ-T	Arista Networks SFP-10G-DZ-T Compatible TAA 10G
Arris-Aurora®	SFP-2-5G-DW-C-80-AA		Arris-Aurora® Compatible TAA Compliant 2.5GBase
Brocade® (Formerly)	10G-SFPP-ZRD-1529-55-T	10G-SFPP-ZRD-1529-55-T	Brocade® (Formerly) 10G-SFPP-ZRD-1529-55-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1530-33-T	10G-SFPP-ZRD-1530-33-T	Brocade® (Formerly) 10G-SFPP-ZRD-1530-33-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1531-12-T	10G-SFPP-ZRD-1531-12-T	Brocade® (Formerly) 10G-SFPP-ZRD-1531-12-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1531-90-T	10G-SFPP-ZRD-1531-90-T	Brocade® (Formerly) 10G-SFPP-ZRD-1531-90-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1532-68-T	10G-SFPP-ZRD-1532-68-T	Brocade® (Formerly) 10G-SFPP-ZRD-1532-68-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1533-47-T	10G-SFPP-ZRD-1533-47-T	Brocade® (Formerly) 10G-SFPP-ZRD-1533-47-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1534-25-T	10G-SFPP-ZRD-1534-25-T	Brocade® (Formerly) 10G-SFPP-ZRD-1534-25-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1535-04-T	10G-SFPP-ZRD-1535-04-T	Brocade® (Formerly) 10G-SFPP-ZRD-1535-04-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1535-82-T	10G-SFPP-ZRD-1535-82-T	Brocade® (Formerly) 10G-SFPP-ZRD-1535-82-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1536-61-T	10G-SFPP-ZRD-1536-61-T	Brocade® (Formerly) 10G-SFPP-ZRD-1536-61-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1537-40-T	10G-SFPP-ZRD-1537-40-T	Brocade® (Formerly) 10G-SFPP-ZRD-1537-40-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1538-19-T	10G-SFPP-ZRD-1538-19-T	Brocade® (Formerly) 10G-SFPP-ZRD-1538-19-T Cor

9. The “History” screen records compatibility selections for quick reference.

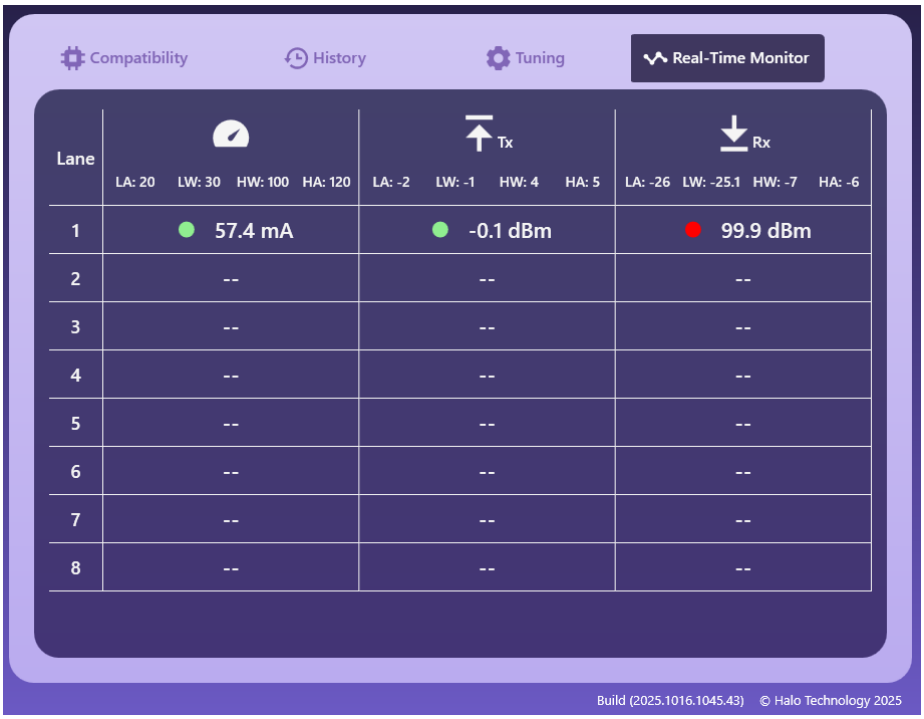


Completed	Timestamp	Part Number	Description
☑	6/17/2025 3:34:07 PM	SFP+-DWDM-80-CA	Cisco and Alcatel-Lucent Compatible TAA Compliant 10GB

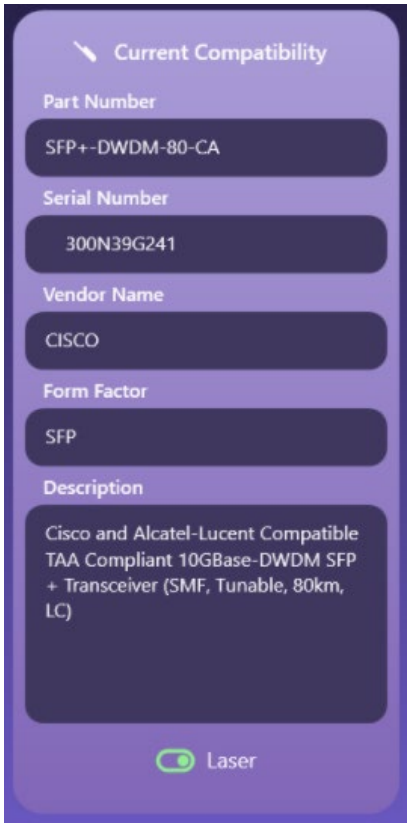
10. The “Tuning” screen lists all available channels that the inserted transceiver (if it is a tunable module) can be tuned to.



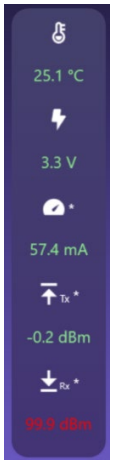
11. The “Real-Time Monitor” screen provides real-time diagnostic data per lane.

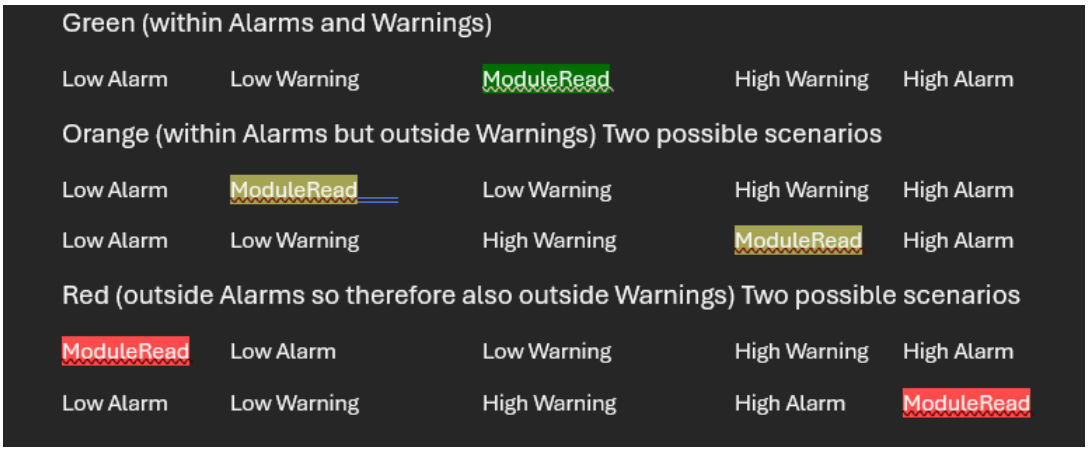


12. The “Current Compatibility” column identifies the current part number, serial number, vendor name, form factor, and description of the inserted device.

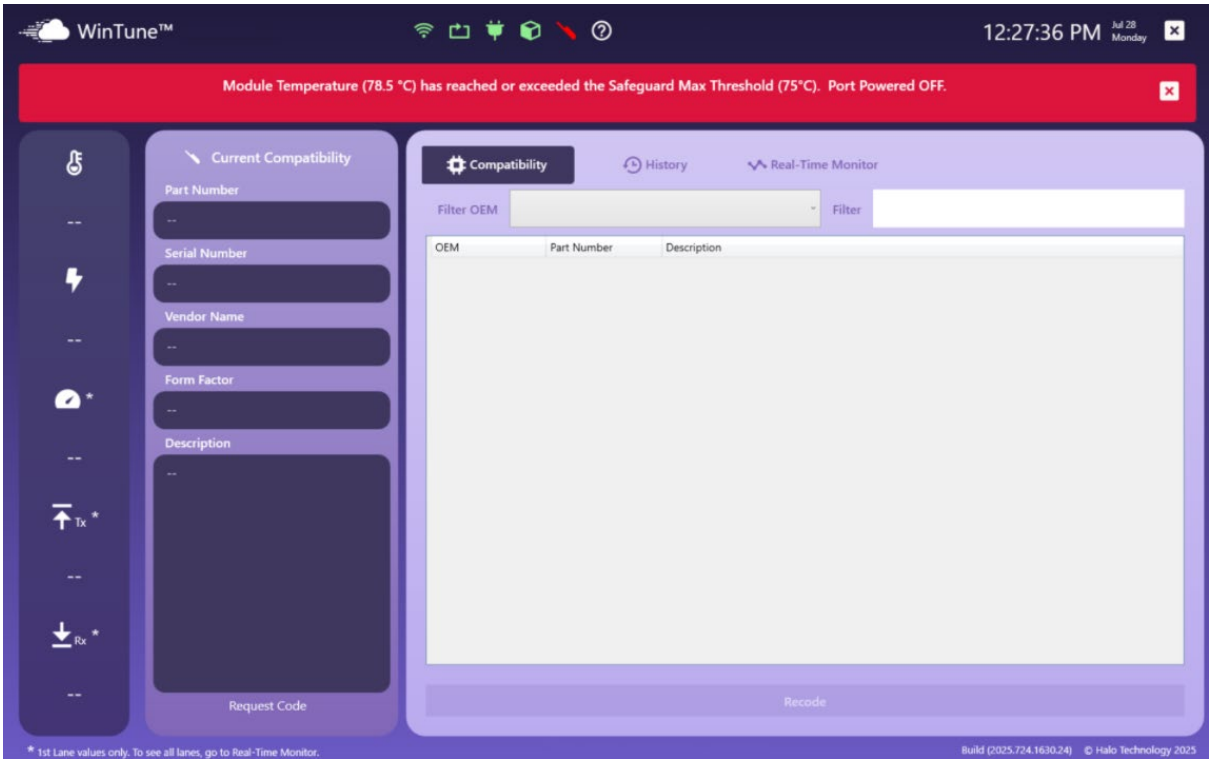


13. The column on the left of the window provides real-time monitoring data for the first lane (Tx and Rx) of the transceiver alongside the current, power supply voltage, and operating temperature for select modules. Values in green mean that the value is within all warning and alarm thresholds. Orange indicates that the value is outside of the warning thresholds. Red indicates that the value is outside of the alarm thresholds. Please note that, for the Rx value to not be red, the laser would need to be on with a loopback inserted.

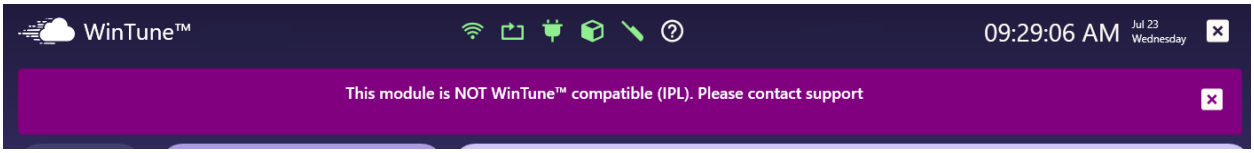




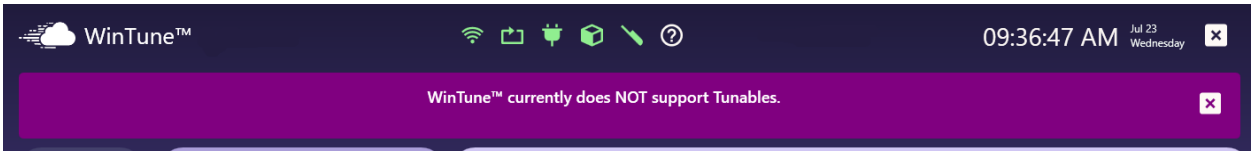
14. If the module's temperature exceeds the Safeguard Maximum Threshold (75°C), the port will be powered off.



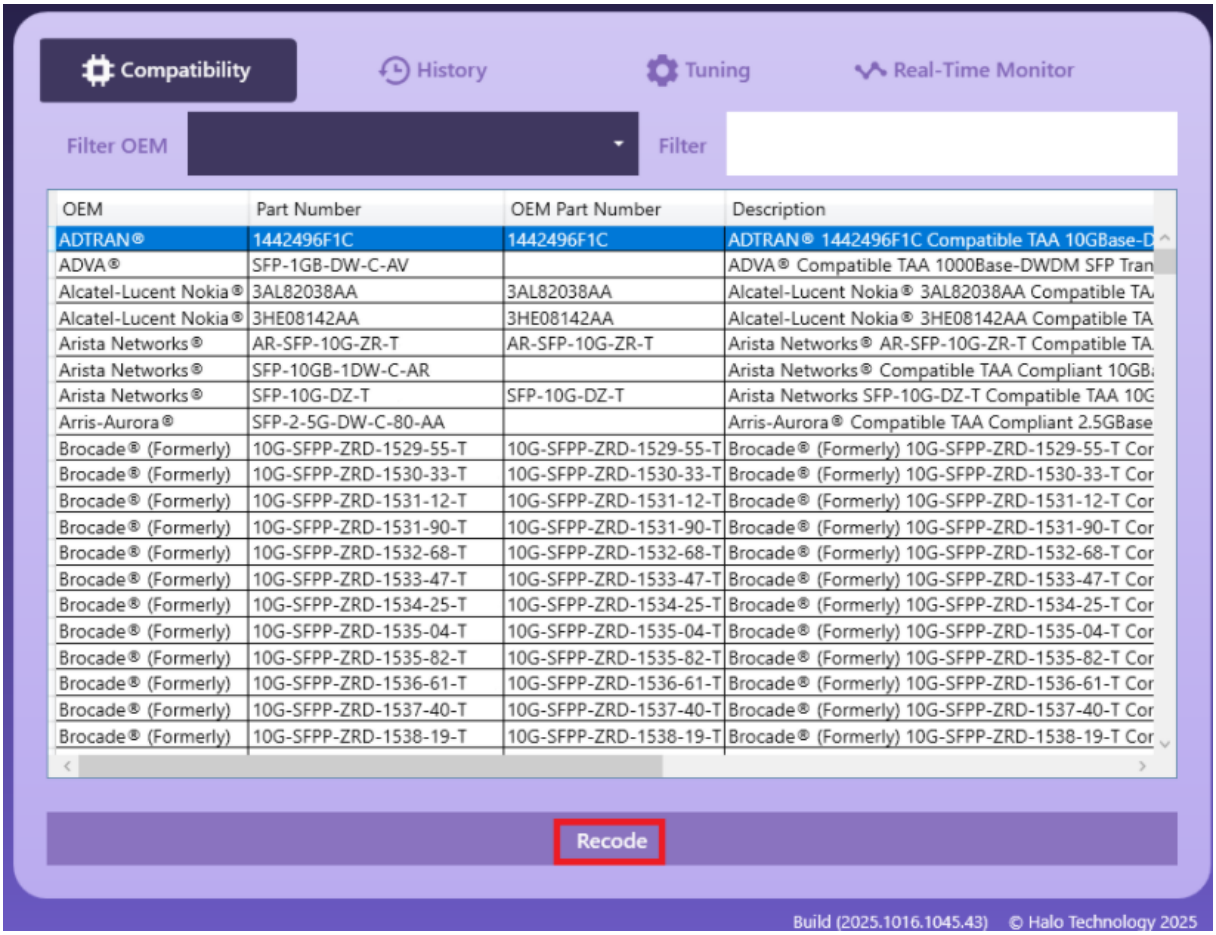
15. Please ensure that you are inserted a genuine Halo optic. If you do not, this message will pop up.



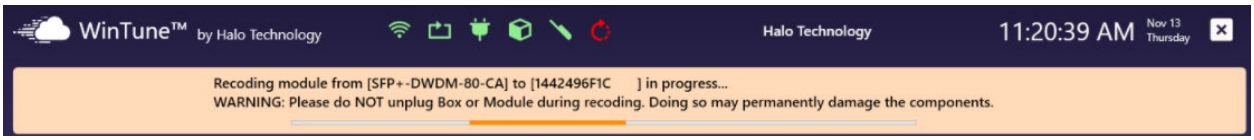
16. Please note that, at this time, WinTune™ does not support optical tuning. If a tunable transceiver is inserted into the device, this message will pop up.



17. To recode a transceiver, select the part number you'd like to recode the transceiver to and click "Recode."



18. While WinTune™ is recoding the transceiver, this message will pop up:



19. Once the transceiver has been successfully recoded, you will see this message:

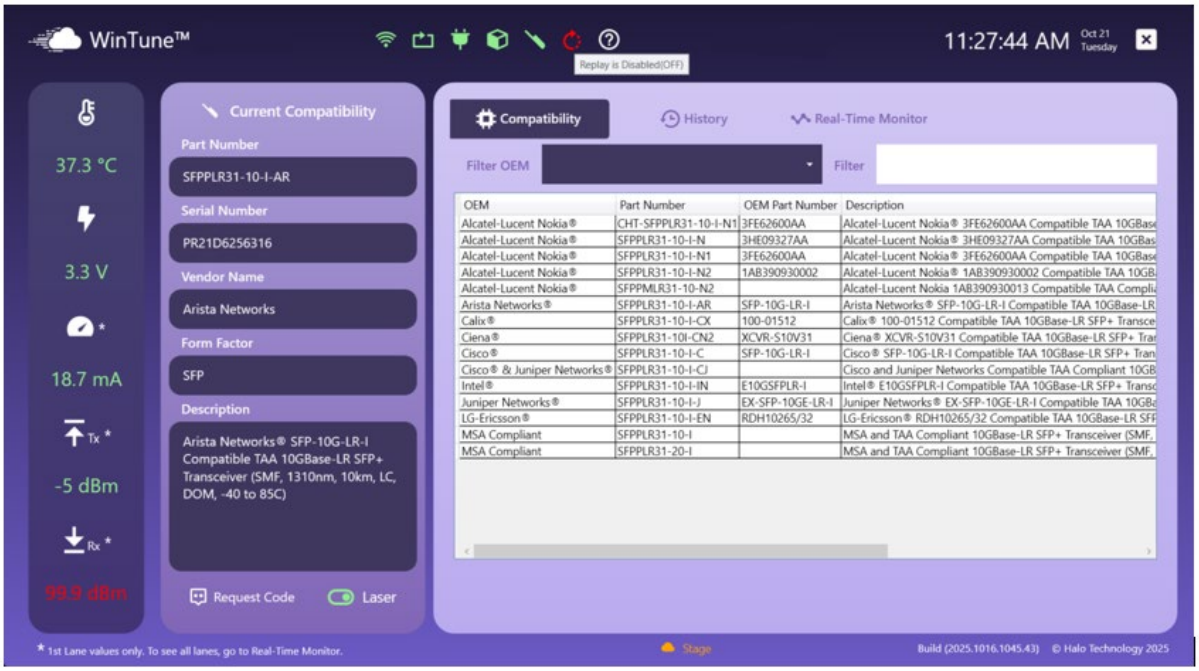
20. The “Current Compatibility” column will now display information for the chosen compatibility.

21. For further information or troubleshooting assistance, please contact your sales representative and technical support.

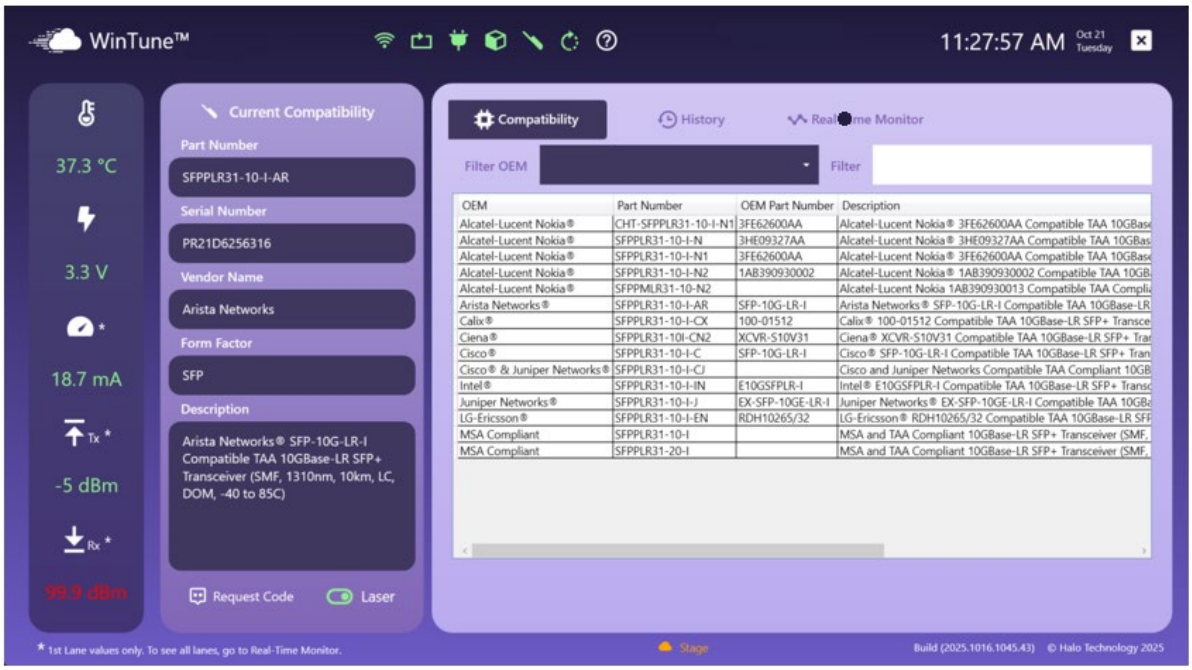
8. Multiple Module Recoding (Auto-Replay)

Transceiver recoding can be replayed on additional transceivers using the “Replay” feature. By default, WinTune™ does not have the “Replay” feature enabled. Users will need to enable this feature following the steps below. Please note that auto-replay functionality is only available for recoding at this time. **Auto-replay functionality for tuning is in development.**

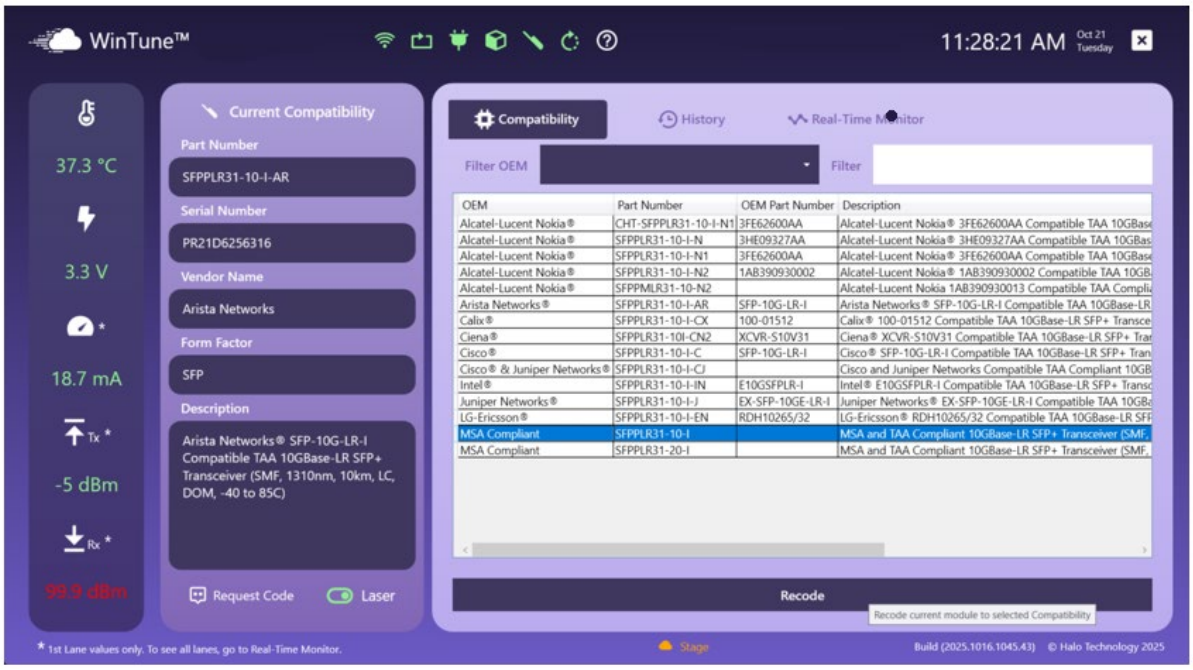
1. The “Replay” icon will be red while the feature is disabled during standard recoding.



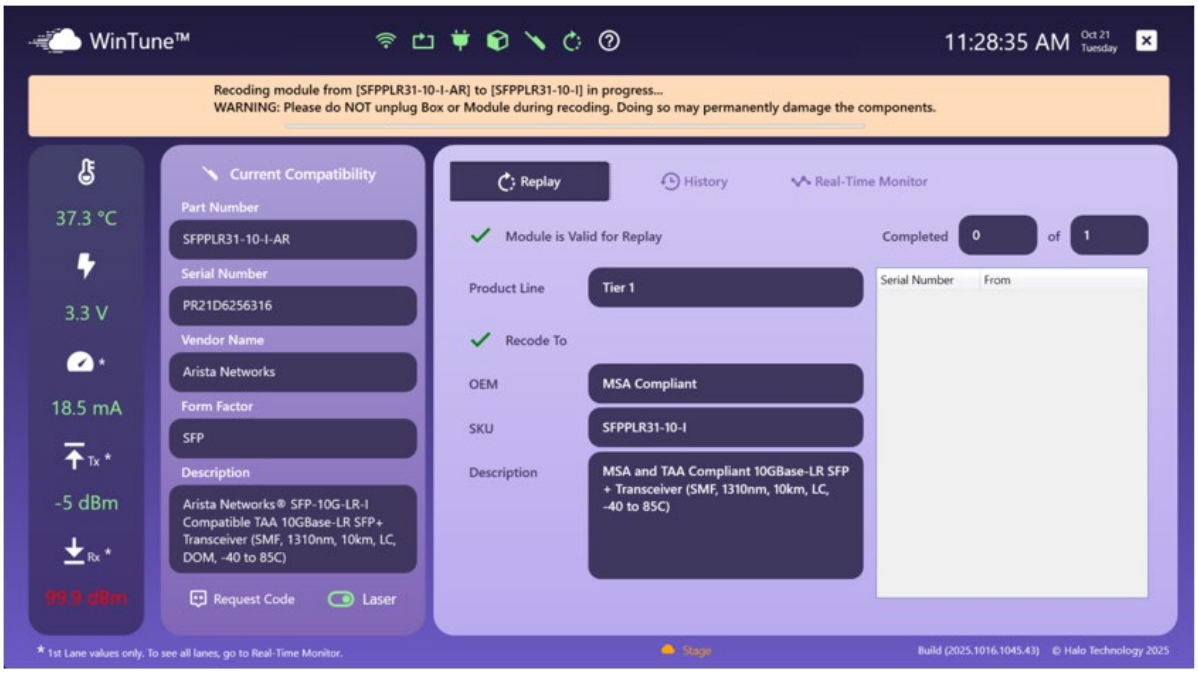
2. “Replay” is enabled by clicking on the icon which should then turn green. 



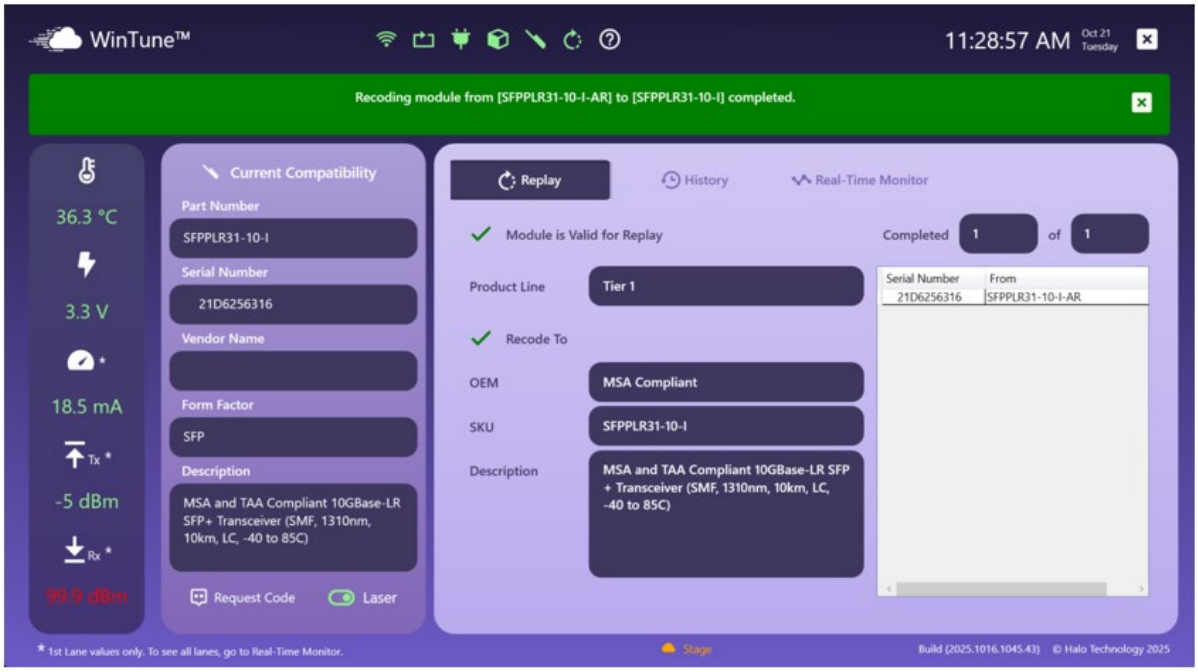
3. Plug in your first transceiver, select a part number, and press “Recode” as normal.



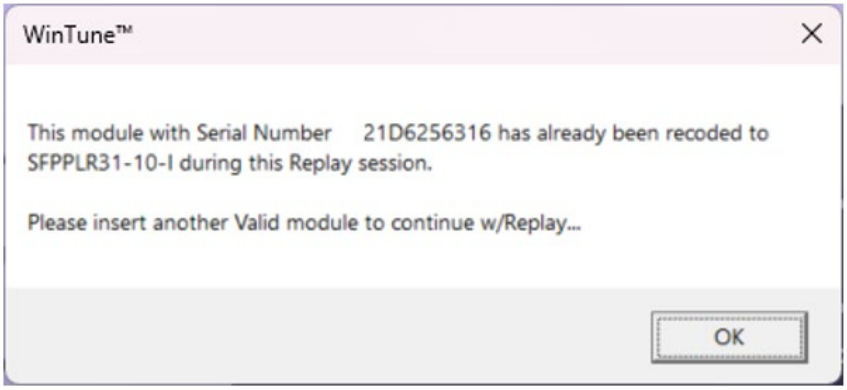
4. The screen will now include a “Replay” option while recoding is in progress.



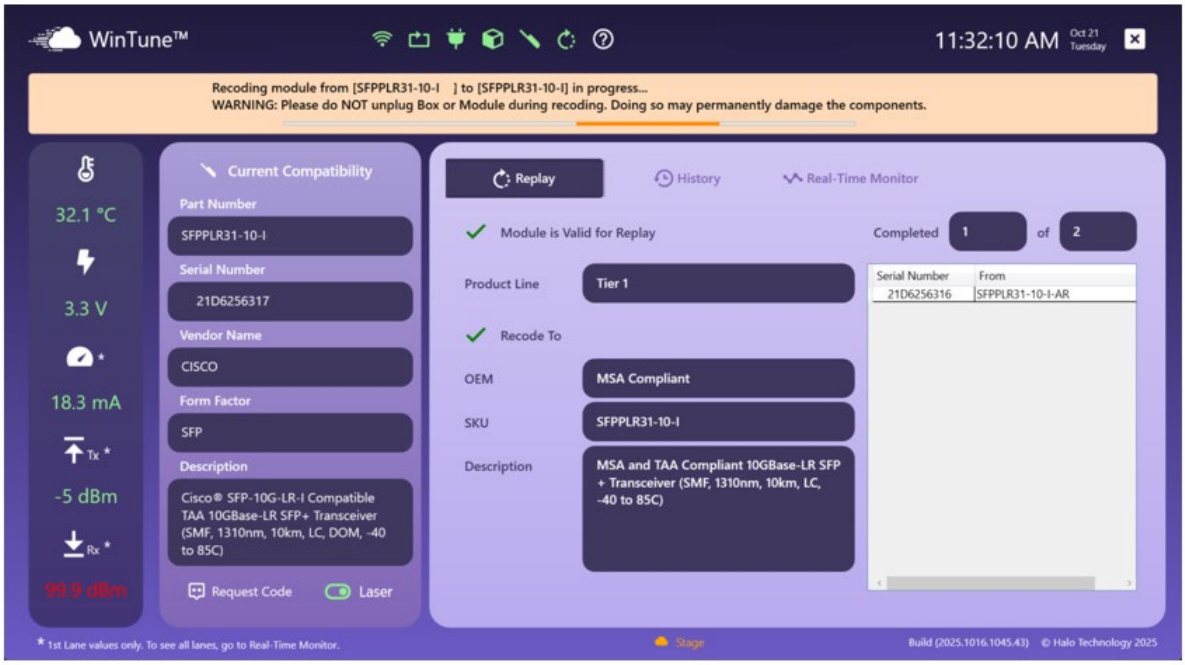
5. Once recoding is complete, the screen will look like the below:



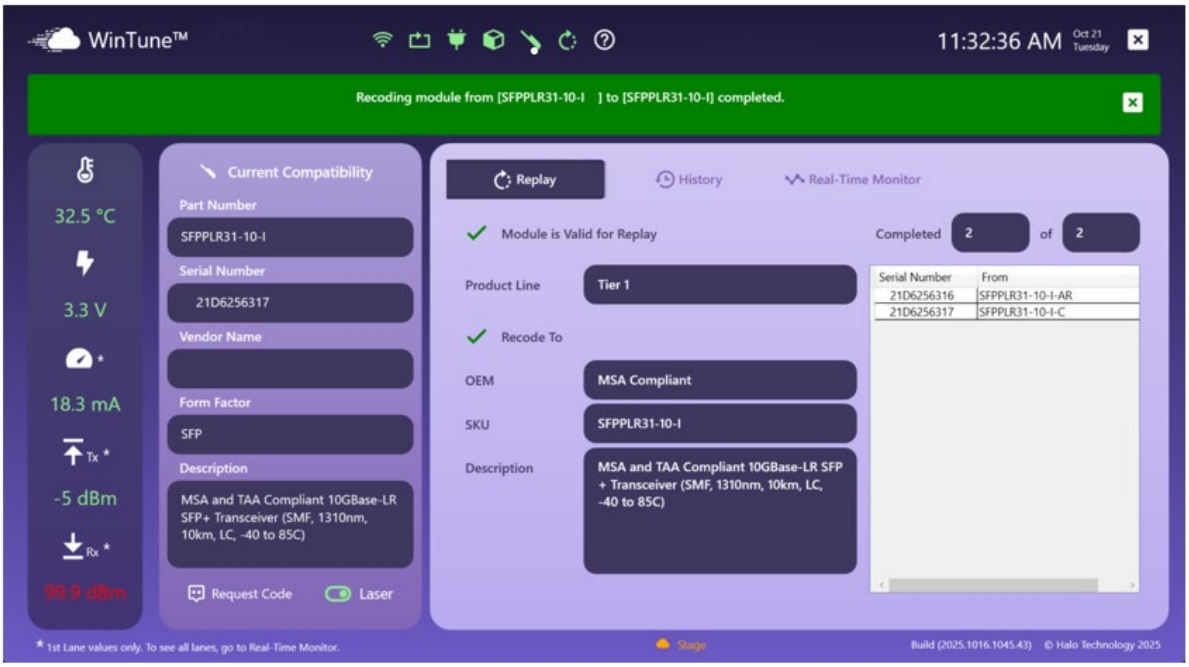
6. If the user attempts to recode the module again while in a “Replay” session, they will see this message:



7. Unplug the first transceiver and plug in the second transceiver that will receive the replayed coding. WinTune™ will automatically begin recoding the second transceiver to match the first transceiver.



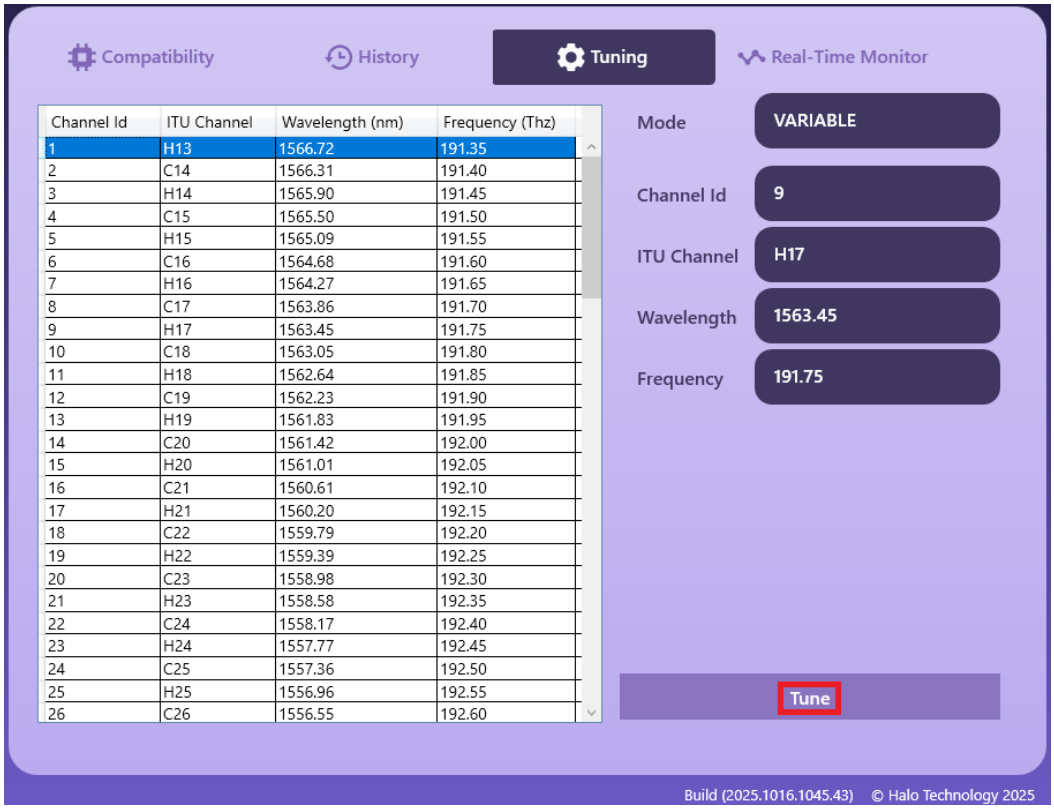
8. The user has now successfully used the “Replay” feature to recode additional transceivers using the same coding.



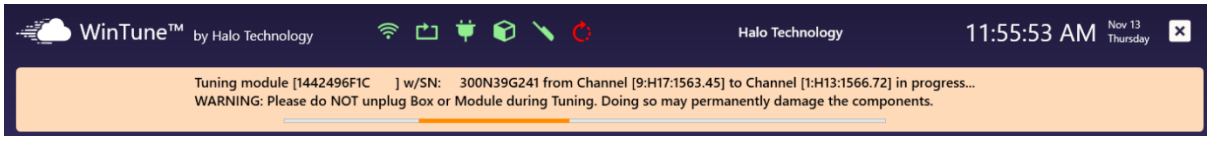
9. Tuning a Transceiver

Once the WinTune™ software is installed, follow the steps below to tune a transceiver.

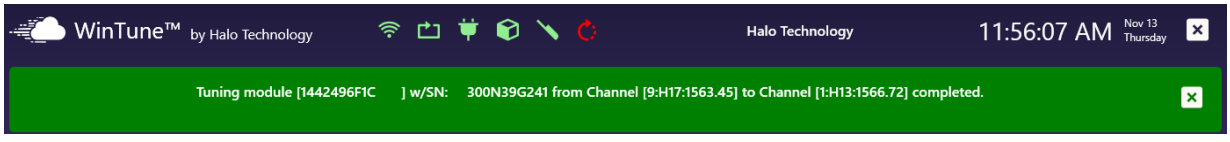
1. Follow/note steps 1 through 16 in section 7 “Recoding a Transceiver” to prepare both the transceiver and WinTune™ for tuning.
2. To tune a transceiver, select the channel you’d like to tune the transceiver to and click “Tune.”



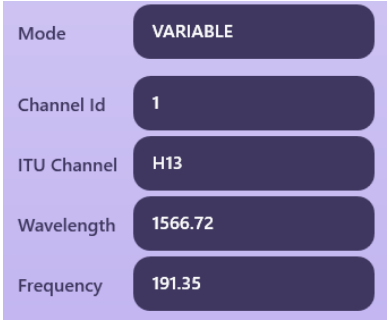
3. While WinTune™ is tuning the transceiver, this message will pop up:



4. Once the transceiver has been successfully tuned, you will see this message:



5. The tuning screen will now display information for the chosen channel.



6. For further information or troubleshooting assistance, please contact your sales representative and technical support.

10. Online vs. Offline Functionality

When the WinTune™ software is online, all currently available functionality will be available to the user. When the WinTune™ software is offline, the user will not be able to see previous change history or recode transceivers. Users are currently able to tune in offline mode.

11. Updating WinTune™

If a new version of WinTune™ is available, the user will need to connect to the internet and open the application. WinTune™ will start the update automatically.