

## Information for Host Integrators

This module is intended to be integrated into enclosures which can be mounted onto head-worn equipment such as hard hats. The guidelines described within this document are provided to the host integrators which manufacture and market these enclosures and / or the final head-worn equipment. In order to meet the conditions of compliance with FCC and ISED rules, including RF exposure, the following guidelines should be adhered to. If these guidelines are followed, the host integrator may incorporate this device into their head-worn equipment and market it with no further restrictions. If the guidelines are not adhered to, it may be necessary for the host integrator to perform additional testing and/or obtain additional approvals.

### Antennas

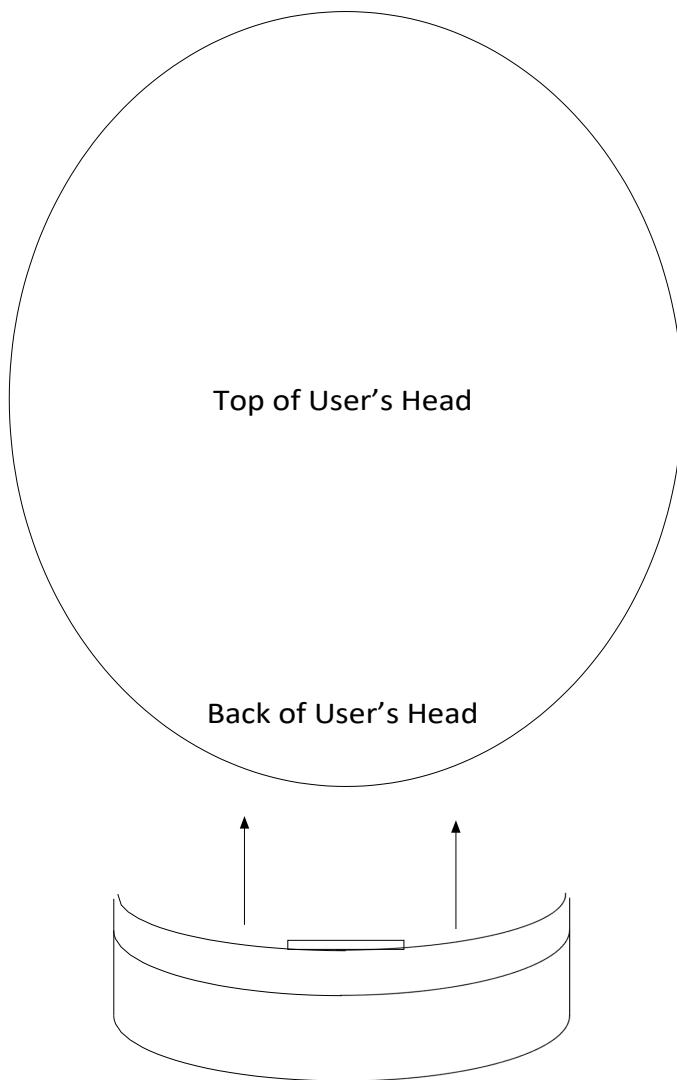
The module is designed and tested to be used with the built-in antennas only. The built-in antennas cannot be replaced or augmented in any way without requiring additional authorization for operation.

### Rear Enclosure Placement within the Host Enclosure

In order to ensure RF exposure compliance, the rear enclosure of the module should be oriented as shown below. The inner curved surface of the module should be oriented to face the back of the user's head as shown in the diagram. This will ensure that the rear enclosure remains at least 0mm from the end user as they were in RF exposure regulatory testing. If the rear enclosure is oriented in some other way, RF exposure compliance cannot be ensured without additional testing and the host product would require additional regulatory approvals. Addition of metallic components in or near the rear enclosure may also require additional RF exposure testing.

## Simultaneous Transmission with Transmitters Added by Host Integrator

If the host integrator adds any additional transmitters to their integration enclosure other than those included in the module, they are responsible to re-evaluate RF exposure compliance for simultaneous transmission scenarios. This can be done according to FCC KDB 447498 or other applicable regulatory standards. It may require further RF exposure testing and/or regulatory submittals which would be the responsibility of the host integrator.



Orientation of Rear Enclosure Relative to the User's Head

## Information to be Supplied to the End User by the Host Integrator

The host integration enclosure must be labeled with "Contains FCC ID:C3K1925" and "Contains IC: 3048A-1855" if the module labels are not visible to the end user at the time of purchase of the end product.

The module must be installed into the integration enclosure and operated in accordance with the instructions and documentation provided by Microsoft. Microsoft is not responsible for any radio interference caused by modification of the module outside the scope of these instructions and documentation. Microsoft may be contacted for information on specific test modes for evaluation of host product in different operational conditions (stand-alone modular transmitter in a host or multiple, simultaneously transmitting modules or other transmitters in a host). Additional guidance for testing host products is given in KDB 996369 D04 Module Integration Guide.

This modular transmitter is authorized for FCC / ISED Canada for the specific rule parts detailed in this document (RSS 247 for Canada, Part 15C (15.247) and 15E for USA). The host product manufacturer is responsible for compliance to any other rules that apply to the host not covered by the modular transmitter grant of certification such as Part 15 Subpart B and ICES-003 for digital circuitry.

## Regulatory Information

This device is not intended for use in machinery, medical or industrial applications. Any changes or modifications not expressly approved by Microsoft could void the user's authority to operate this device. This product is for use with NRTL Listed (UL, CSA, ETL, etc.), and/or IEC/EN 60950-1 or IEC/EN 62368-1 compliant (CE marked) Information Technology equipment. No serviceable parts included. This device is rated as a commercial product for operation at +50°F (+10°C) to +80°F (+27°C).

This equipment is suitable for use in Class I, Division 2 Groups A, B, C, and D or Non-Hazardous Locations only.

9VDC 2A, 5VDC 3A

+10C < Ta < +35C

Groups A,B,C,D

Note that the battery pack is not replaceable.

WARNING – EXPLOSION HAZARD – DO NOT CHARGE WHILE IN HAZARDOUS LOCATION

## Disposal of Waste Batteries and Electrical & Electronic Equipment



This symbol on the product or its batteries or its packaging means that this product and any batteries it contains must not be disposed of with your household waste. Instead, it is your responsibility to hand this over to an applicable collection point for the recycling of batteries and electrical and electronic equipment. This separate collection and recycling will help to conserve natural resources and prevent potential negative consequences for human health and the environment due to the possible presence of hazardous substances in batteries and electrical and electronic equipment, which could be caused by inappropriate disposal. For more information about where to drop off your batteries and electrical and electronic waste, please contact your local city/municipality office, your household waste disposal service, or the shop where you purchased this product. Contact [eRecycle@microsoft.com](mailto:eRecycle@microsoft.com) for additional information on WEEE and waste batteries. Rechargeable products contain a Lithium-ion Battery.

## For Customers in the United States and Canada

### **Supplier's Declaration of Conformity**

Model: 1925

Responsible party: Microsoft Corporation, One Microsoft Way, Redmond, WA 98052, USA.

Email: [regcomp@microsoft.com](mailto:regcomp@microsoft.com)

This Class B digital apparatus complies with Part 15 of the U.S. Federal Communications Commission (FCC) rules, Innovation, Science and Economic Development (ISED) Canada licence-exempt RSS standards. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications to this device not expressly approved by Microsoft could void the user's authority to operate the device.

## Radio and TV Interference Regulations

Microsoft hardware device(s) can radiate radio frequency (RF) energy. If not installed and used in strict accordance with the instructions given in the printed documentation and/or onscreen help files, the device may cause harmful interference with other radio-communications devices (for example AM/FM radios, televisions, baby monitors, cordless phones, etc.). There is, however, no guarantee that RF interference will not occur in a particular installation. To determine if your hardware device is causing interference to other radio-communications devices, turn off and unplug the device from any external power source. If the interference stops, it was probably caused by the device. If this hardware device does cause interference, try the following measures to correct it:

- Relocate the antenna of the other radio-communications device (for example AM/FM Radios, televisions, baby monitors, cordless phones, etc.) until the interference stops.
- Move the hardware device farther away from the radio or TV, or move it to one side or the other of the radio or TV.
- Plug the device into a different power outlet so that the hardware device and radio or TV are on different circuits controlled by different circuit breakers or fuses.
- If necessary, ask your device dealer or an experienced radio-TV technician for more suggestions.

For more information about interference issues, go to the FCC Web site at:

<http://www.fcc.gov/cgb/consumerfacts/interference.html>. You can also call the FCC at 1-888-CALL FCC to request Interference and Telephone Interference fact sheets.

CAN ICES-3 (B)/NMB-3(B)

## Exposure to Radio Frequency (RF) Energy

This device contains radio transmitters and has been designed, manufactured and tested to meet the Federal Communications Commission (FCC), Innovation, Science and Economic Development Canada (ISED) requirements and European guidelines for RF exposure and Specific Absorption Rate.

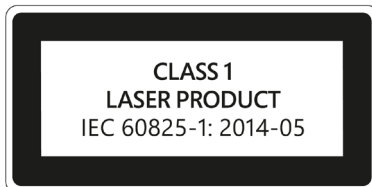
To ensure that your exposure to RF energy generated by the Wi-Fi and Bluetooth radios does not exceed the exposure limits set forth by these guidelines, orient the device according to the instructions given in the printed documentation. Additional information about RF safety can be found on the links below:

FCC website at <https://www.fcc.gov/general/radio-frequency-safety-0>

ISED website at <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf01904.html>

Product SAR information is available at [sar.microsoft.com](http://sar.microsoft.com)

This device operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.



Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019.

Information and views expressed in this document, including URL and other Internet Web site references, may change