
Glassboard / WFM1MW User Manual r2



WFM1MW User Manual for FCC

- Regarding FCC modular approval of WFM1MW

- Model Name: WFM1MW

- FCC ID: 2AWBKWFM1MW

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

WFM1MW User Manual for FCC

- Since this module is not sold to general end users directly, there is no user manual of module.
- For the details about this module, please refer to the specification sheet of module.
- This module should be installed in the host device according to the interface specification (installation procedure).
- The following information must be indicated on the host device of this module.

Contains Transmitter Module FCC ID: 2AWBKWFM1MW

or

Contains FCC ID: 2AWBKWFM1MW

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

*If it can not be described on the host product, it must be listed on both the host product manual and on the host product package or removable label.

WFM1MW User Manual for FCC

- The following statements must be described on the user manual of the host device of this module:

FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Compliance with FCC requirement 15.407(c)

Data transmission is always initiated by software, which is then passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinues transmission in case of either absence of information to transmit or operational failure.

Frequency Tolerance: ± 20 ppm

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

WFM1MW User Manual for FCC

- When installing it in a mobile equipment. Please describe the following warning to the manual.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

- When installing it in a portable equipment. Please describe the following warning to the manual.

Compliance with FCC requirement 15.407(c)

Data transmission is always initiated by software, which is then passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinues transmission in case of either absence of information to transmit or operational failure.

It is necessary to take a SAR test with your set mounting this module (except to use only Bluetooth V4.2(BDR/EDR/LE)). Class II permissive change application is necessary using the SAR report. Please contact Glassboard.

Note:

- Portable equipment - Equipment for which the spaces between human body and antenna are used within 20cm.
 - Mobile equipment : Equipment used at position in which the spaces between human body and antenna exceeded 20cm.
-

WFM1MW User Manual for FCC

- Antenna

Please refer to the 'Antenna Specification' document supplied by Glassboard or please contact Glassboard for the detail designation of how to design the Antenna trace

Antenna	Type	Gain @ 2.4 GHz (dBi)	Gain @ 5 GHz (dBi)	Impedance (ohms)
Ethertronics/AVX M830520	Ceramic Dipole Chip Antenna	1.0	2.6	50
Molex 1461870050	Dipole External PCB Antenna	3.2	4.25	50

WFM1MW User Manual for FCC

- Example package labeling





Thank You

