Mircom Group Of Companies MDF1019 Wireless Transceiver Module Instructions

Contents

Certificates

Approved Antenna
Types MDF-1019 is approved with a standard 5 dBi dipole antenna. Any antenna of the same type, similar in-band out of band characteristics, and with the same or less gain can be used without reassessment. In case using an antenna of a different type and/or higher gain reassessments and notification to the particular certification authority is required.

FCC

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 undesirable operation.

Any changes or modifications not expressly approved by Mircom could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End-users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter meets both portable and mobile limits as demonstrated in the RF Exposure Analysis. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC multi-transmitter product procedures. As long as the condition above is met, further transmitter testing will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

OEM Responsibilities to comply with FCC Regulations

The MDF-1019 Module has been certified for integration into products only by OEM integrators under the following condition:

- The antenna(s) must be installed such that a minimum separation distance of 20 cm is maintained between the radiator (antenna) and all persons at all times.
- The transmitter module must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC multi-transmitter product procedures.

As long as the conditions above are met, further transmitter testing will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

Note: In the event that this condition cannot be met (for certain configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

End Product Labeling

The MDF-1019 Module is labeled with its own FCC ID. If the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. In that case, the final end product must be labeled in a visible area with the following:

“Contains FCC ID: 2ABFD-MDF1019”

The OEM integrator must not provide information to the end-user regarding how to install or remove this RF module or change RF-related parameters in the user manual of the end product.

Innovation, Science and Economic Development Canada
ISED

This radio transmitter has been approved by ISED to operate with the dipole Pulse W1038. Other antenna types are strictly prohibited for use with this device.
This device complies with Industry Canada’s license-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, including interference that may cause undesired operation of the device.

RF Exposure Statement

Exception from routine SAR evaluation limits is given in RSS-102 Issue 5. MDF-1019 meets the given requirements when the minimum separation distance to the human body is

20 cm. RF exposure or SAR evaluation is not required when the separation distance is 20 cm or more. If the separation distance is less than 20 cm the OEM integrator is responsible for evaluating the SAR.

OEM Responsibilities to comply with ISED Regulations

The MDF-1019 Module has been certified for integration into products only by OEM integrators under the following conditions:

- The antenna(s) must be installed such that a minimum separation distance of 20 cm is maintained between the radiator (antenna) and all persons at all times.
- The transmitter module must not be co-located or operating in conjunction with any other antenna or transmitter.

As long as the two conditions above are met, further transmitter testing will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

Note: In the event that these conditions cannot be met (for certain configurations or co-location with another transmitter), then the IC authorization is no longer considered valid and the IC ID cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate IC authorization.

End Product Labeling

The MDF-1019 module is labeled with its own IC ID. If the IC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. In that case, the final end product must be labeled in a visible area with the following:

“Contains IC: 1156A-MDF1019”

The OEM integrator has to be aware not to provide information to the end-user regarding how to install or remove this RF module or change RF-related parameters in the user manual of the end product.

Documents / Resources

	Mircom Group Of Companies MDF1019 Wireless Transceiver Module [pdf] Instructions 2ABFD-MDF1019, MMDF1019 Wireless Transceiver ModuleDF1019, 2ABFDMDF1019, MDF1019, Wireless Transceiver Module