



Cartridge RFID Integration Instructions

This document provides integration information for the cartridge RFID module. The module is intended for incorporation in host systems developed & manufactured by Desktop Metal, Inc. and will not be end-user accessible or replaceable. The module is not intended for use in host systems with mobile or portable applications.

FCC Compliance Information

Model BMD RFID 1
FCC ID: 2AOIOBMDRFID1

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.

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Changes or modifications not expressly approved by Desktop Metal, Inc. could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

End Product Labeling

The final end product must be labeled in a visible area with the following:
"Contains Transmitter Module FCC ID: 2AOIOBMDRFID1" or "Contains FCC ID: 2AOIOBMDRFID1"
or similar wording.

ISED Compliance Information

Model BMD RFID 1
IC: 23444-BMDRFID1

This device complies with Industry Canada's licence-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

End Product Labeling

The final end product must be labeled in a visible area with the following:
"Contains Transmitter Module IC: 23444-BMDRFID1" or "Contains IC: 23444-BMDRFID1" or similar wording.

This device has been designed to operate with the antennas listed below. Antennas not included in this list are strictly prohibited for use with this device.

50-00020 antenna

RF Exposure Information

This transmitter module is authorized to be used in other devices only by OEM integrators under the following conditions:

1. The antenna(s) must be installed such that a minimum separation distance of 20cm is maintained between the radiator (antenna) & user's/nearby person's body at all times.
2. The transmitter module must not be co-located 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 the end-product for any additional compliance requirements with this module installed. (i.e., digital device emissions, PC peripheral requirements, etc.)

IMPORTANT NOTE: In the event that these conditions cannot be met (for certain configurations or co-location with another transmitter), then the FCC / IC authorization is no longer considered valid and the FCC ID / IC number 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 / IC authorization.



The OEM integrator must be made aware not to provide information to the end user regarding how to install or remove this RF module in the user manual of the end product.

The user manual for the end product must include the following information in a prominent location:

“RF Exposure Statement

To comply with FCC’s and IC’s RF radiation exposure requirements, the antenna(s) used for this transmitter must be installed such that a minimum separation distance of 20cm is maintained between the radiator (antenna) & user’s/nearby person’s body at all times and must not be co-located or operating in conjunction with any other antenna or transmitter.”

“Déclaration d'exposition RF

Pour satisfaire aux exigences d’ISED en matière d’exposition au rayonnement RF, la ou les antennes utilisées pour cet émetteur doivent être installées de manière à respecter une distance minimale de 20 cm entre le radiateur (antenne) et le corps de l'utilisateur / de la personne à proximité, et ne doivent pas être respectées. co-localisé ou fonctionnant en conjonction avec toute autre antenne ou émetteur.”