

1. Host Integration Guide

According to KDB996369 D03 subclause 2.0 INTEGRATION INSTRUCTIONS and FCC Part 15.212(a)(1)(vii) requires the module grantee to provide clear integration instructions for host manufacturers to use the module in the host legally.

- a) This module has been assessed against the following FCC rule parts: CFR 47 FCC Part 15 F (15.519, UWB). It is applicable to the modular transmitter.
- b) This radio transmitter FCC ID 2ADX4- MDEV10 has been approved by the Federal Communications Commission to operate with the antennas listed in user manual. Use of any other antenna is strictly prohibited without filing an application for a new system-specific FCC ID.
- c) The module complies with FCC rule and applies for single module approval.
- d) Trace antenna designs: Not applicable –only the antennas approved and listed in user manual are permitted. Use of any other antenna is strictly prohibited without filing an application for a new system-specific FCC ID. See item (b) above.
- e) This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device is a low-power product, satisfying RF exposure as evaluated in the application.
- f) The module has two Antennas (rod Antenna and FPC Antenna), permanent attachment with non-standard connector (IPEX) and no consideration of replacement, no antenna other than that furnished by the responsible party shall be used with the device.

Description	Number	Type	Gain	Part Number	Frequency
UWB Antenna, (internal thread, internal pin), black sheath, length = 50mm	1	rod antenna	2dBi	1500-0017	6.5~8Ghz
UWB FPC Embedded Antenna	1	FPC antenna	5.3dBi	1005190F0	6.5~8.5Ghz
RF adapter cable	1			5100-0002	0-8Ghz

- g) Please note that if the FCC identification number 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. This exterior label can use wording such as the following: “Contains FCC ID: 2ADX4- MDEV10” Any similar wording that expresses the same meaning may be used.
- h) Testing of the host product with all the transmitters installed – referred to as the composite investigation test- is recommended, to verify that the host product meets all the applicable FCC rules. The radio spectrum is to be investigated with all the transmitters in the final host product functioning to determine that no emissions exceed the highest limit permitted for any one individual transmitter as required by Section 2.947(f). The host manufacturer is responsible for ensuring that when their product operates as intended it does not have any emissions present that are out of compliance that were not present when the transmitters were tested individually. The host product manufacturer is responsible for compliance with any other FCC rules and a C2PC is required for each host when installed in any host.
- i) Any company of the host device which installs this modular should perform the test of radiated & conducted emission and spurious emission etc. According to FCC Part requirement, only if the test result complies with FCC part requirement. Then the host can be sold legally. The host product manufacturer is responsible for compliance with any other FCC rules and a C2PC is required for each host when installed in any host.

- j) The host manufacture is recommended to use D04 Module Integration Guide recommending as "best practice" RF design engineering testing and evaluation in case non-linear interactions generate additional non-compliant limits due to module placement to host components or properties.
- k) This module is stand-alone modular. If the end product will involve the Multiple simultaneously transmitting condition or different operational conditions for a stand-alone modular transmitter in a host, host manufacturer must consult with module manufacturer for the installation method in end system