



Federal Communications Commission
Equipment Authorization Division
Application Processing Branch
7435 Oakland Mills Road
Columbia, MD 21048

Innovation, Science and Economic Development Canada
Spectrum Engineering Branch
3701 Carling Avenue, Building 94
Ottawa, Ontario K2H 8S2

Date: 2025-05-21

Declaration of no Antenna Specification (Part 15C/RSS Devices)

The XM126 module includes the A121 60GHz radar sensor module with integrated antennas in package, and a PCB integrated 2.4GHz inverted F Antenna (IFA).

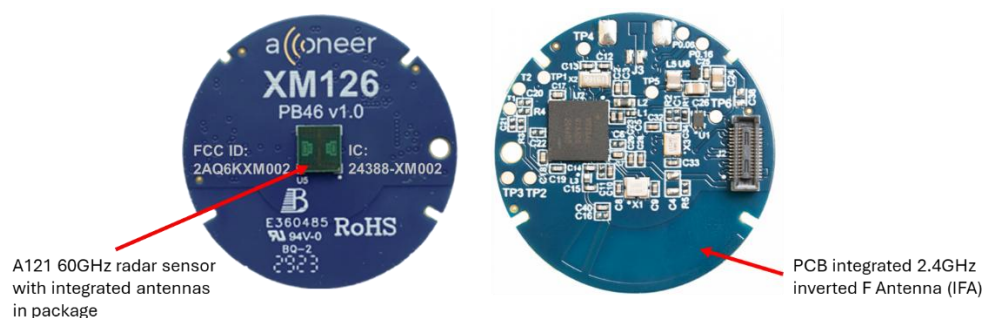


Figure 1: Frontside and backside of the XM126 module. Module diameter 33mm.

Description of the A121 radar antennas:

- Number of antennas: 1 Tx, 1 Rx
- Type of antennas: Folded dipole antennas, integrated in package (AiP)
- Frequency range: 57-64 GHz

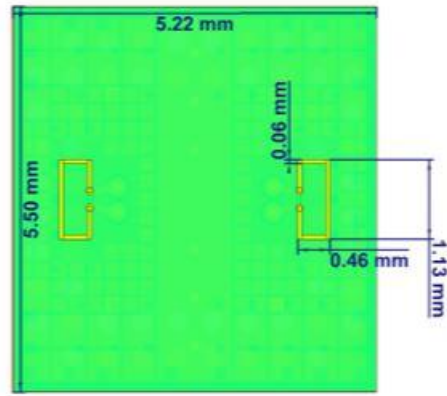


Figure 1: A121 Antenna in Package (AiP) dimensions

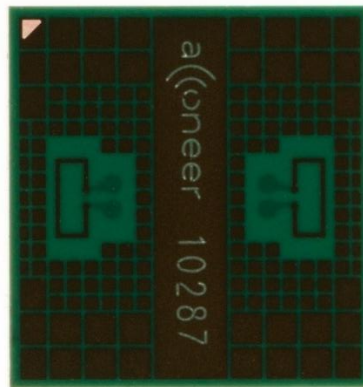
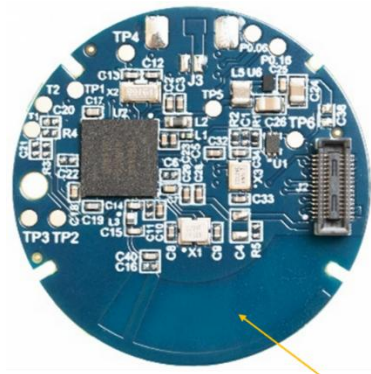


Figure 2: Frontside of the A121 sensor, showing the RX and TX antenna in package position

Description of the BLE PIFA antenna:

- Number of antennas: 1
- Type of antenna: PIFA antenna, integrated on XM126 module PCB
- Frequency range: 2400 – 2483.5 MHz



PCB integrated 2.4GHz Inverted F Antenna (IFA)

Figure 3: Backside of the XM126 module, showing the PCB integrated 2.4GHz Inverted F Antenna (IFA)

The A121 radar antennas on chip has a gain of 6 dBi. The BLE is a PIFA integrated on module PCB with a gain of 5.3 dBi.

The antennas are fixed parts of the module and cannot be changed by third parties.

For this module, all required RF tests according to FCC Part 15C/ISED RSS have been performed radiated. Therefore, no specific antenna specification are required and will not be submitted as part of the technical documentation.

The declaration applies to the model:

FCC ID	IC:	Model
2AQ6KXM002	24388-XM002	XM126

If you have any questions, please feel free to contact me at the address shown below.

Contact Name: Mikael Rosenhed
Company Name: Acconeer AB
Address: Västra Varvsgatan 19, 211 77 Malmö, Sweden
Phone: +46 722 21 21 79
Email: mikael.rosenhed@acconeer.com

Sincerely,

A handwritten signature in blue ink, appearing to read "Mikael Rosenhed".