



Attn: Reviewing Engineer
Federal Communications Commission
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RE: Certification Application

Model: BMD-345

FCC ID: XPYBMD345

Request for Part 15 Single-Modular Transmitter Approval

To whom it may concern:

We, u-blox AG, hereby requests for a modular transmitter approval of our Bluetooth module BMD-341. The equipment is described as follows:

Brand name:	u-blox
HVIN:	BMD-345
FCC ID:	XPYBMD345

In CFR Title 47 Chapter I Subchapter A Part 15 Subpart C Section 15.212 there are eight numbered requirements that our device complies with:

1. The modular transmitter must have its own RF shielding

The module has its RF-parts enclosed by a shield cover soldered onto the module ground plane.

2. The modular transmitter must have buffered modulation/data inputs

The module does not have modulation inputs. The interface signals are internally buffered by the module System on Chip and cannot affect the modulation.

3. The modular transmitter must have its own power supply regulation

The module SoC (System on Chip) has its own internal voltage regulators.

4. The modular transmitter must comply with the antenna requirements of Section 15.203, 15.204(b) and 15.204(c)

The module has a u.FL antenna connector.

5. The modular transmitter must be tested in a stand-alone configuration

The module was soldered onto an evaluation board, BMD-345-EVAL, and tested in a stand-alone configuration.

6. The modular transmitter must be labelled with its own FCC ID number

The module is labelled with its FCC ID number.


7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.

The module is compliant with all applicable FCC rules. Detailed instructions to the module integrator are presented in the User Manual.

8. The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.

The module complies with the RF exposure limits when integrated into host devices categorized as mobile and/or fixed. See separate document for RF exposure calculations.

Thank you for your attention in this matter.

A handwritten signature in black ink, appearing to read "Cam Nichols", written over a horizontal line.

Cam Nichols
Senior Engineer

Job Title and Dept.: