



Attn: Reviewing Engineer
Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

Registered office:
u-blox AG
Zürcherstrasse 68
8800 Thalwil
Switzerland

Company number: CH-020.3.020.161-7

info@u-blox.com
support@u-blox.com

RE: Certification Application

Model: BMD-380
FCC ID: XPYBMD380

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-380.

The equipment is described as follows:

Brand name:	u-blox
HVIN:	BMD-380
FCC ID:	XPYBMD380

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 (1.7VDC to 5.5VDC)

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

The module has an embedded ceramic chip antenna.

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

The module was soldered onto an evaluation board, BMD-380-EVAL, and tested in a stand-alone configuration.

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

The module is too small to be labelled with its FCC ID number. Device is 7.5mm by 9.5mm with a label area of 4.5mm by 5.5mm. End Integrators are instructed to label host device with the required text: Contains FCC ID: XPYBMD380 and to instruct where to find the FCCID on the product.

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.



Cam Nichols
Senior Engineer

Job Title and Dept.: