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December 5th 2016

Attn: Reviewing Engineer

RE: PART 15 UNLICENSED MODULAR TRANSMITTER APPROVAL

To Whom It May Concern:

We, *GMMC GmbH*, hereby requests for part 15 unlicensed modular transmitter approval of our device, described as follows:

Brand name: SANGOMA

Model name: MSMA

Type number: 2v3

FCC ID: 2AKHW-SANGMSMA1

In FCC Public Notice DA 00-1407 released June 26, 2000 there are eight numbered requirements that our device complies with:

1. The modular transmitter must have its own shielding.

- The RF part has its own shielding (top metal cage / bottom mass layer) (pls refer to photo annex)

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

- U1 [CLRC663] provides this.

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

- Digital parts are supplied 3V3 via an U2/LDO [TPS73033DBVT]. Transmitter IC U1 [CLRC663] has internal power regulation. Power Supply of RF Module via USB 5V (+0.25V / -0.6V)

4. The modular transmitter must comply with the antenna requirements of Section 15.203 and

15.204c - RFID antenna will be connected to a 3 PIN connector /symmetrical by professional installar
This transmitter module is not a consumer device (See integration manual)

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

-The EUT was tested in stand-alone configuration. (see Test Report, Test Setup Photos)

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

- The transmitter has its own FCC ID. (see label and location document)

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 device complies with this requirements. (see integration manual)

8. The modular transmitter must comply with any applicable RF exposure requirements.

- Not applicable as device under 15.225 is categorically excluded from the RF Exposure requirements.



Best regards
Michael Ganzera - Managing Director