

April 5th 2017

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: 2v5

FCC ID: 2AKHW-SANGMSMA4

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 (see. Annex C "internal pictures")

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

- used IC NXP's CLRC663 provides this.

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

- Digital parts are supplied 3V3 via an LDO TPS73033DBVT. Transmitter IC CLRC663 (or one of its following commercial derivatives MFRC631, MFRC630, SLRC610) have an 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 - used IC CLRC663 (3 PIN connector / symmetrical) will be impelmented from professional installers (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)

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



GMMC
we deliver for your success
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