

PHOENIX TESTLAB GmbH
Product Certification
Königswinkel 10
D 32825 Blomberg

Date: 21 November 2018

Attn: Reviewing Engineer

Subject: PART 15 UNLICENSED MODULAR TRANSMITTER APPROVAL

To Whom It May Concern:

SATEL OY, hereby requests for part 15 unlicensed modular transmitter approval of our device, described as follows:

Brand name:	n.a.
Model name:	SATEL-TR49
FCC ID:	MRBSATEL-TA37

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.

Yes (see internal pictures F172629E3 Annex B).

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

Yes, the module has two 8-bit unidirectional level translators for buffering the input and output signals.

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

Yes, LTC3612 (IC10)

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

Yes, the antenna connector type is IPEX 20279-001 E-03.

Tested with the antennas CA915H-TNC_A and CY930Y. These antennas are examples of 900MHz antennas that can be used. Other antennas with similar type and max 6 dBi gain are also allowed. For 400MHz licenced band only max antenna gain of 14 dBi is defined.

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

Yes, (see testreport F172629E3, Annex A)



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

The device is labelled with its own FCC ID

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 the specific rules and operating requirements

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

It complies with applicable RF exposure requirements.

Yours sincerely, in the Name of SATELY OY

Signatory

A handwritten signature in blue ink that appears to read "Heinrichs".

Kai Heinrichs, Graduated Certification Specialist