

PHOENIX TESTLAB GmbH
Product Certification
Koenigswinkel 10
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Date: 20 February 2020

Subject: REQUEST FOR FCC MODULAR TRANSMITTER APPROVAL
FCC ID: 2AVK6-MR527E01

To Whom It May Concern:

We, ISGUS GmbH, hereby request ☐ a modular / ☒ limited modular approval.
In CFR47 §15.212 "Modular Transmitters" and KDB 996369 D01 "Module Equip Auth Guide"
there are following eight numbered requirements defined:

1. The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield but must be on the module assembly.

Response: Fulfilled – please refer to the external photo exhibit.

2. The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with part 15 requirements under conditions of excessive data rates or over-modulation.

Response: Fulfilled – please refer Block Diagram, Schematic and Operational Description.

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

Response: Fulfilled – please refer to the Block Diagram, Schematic and Operational Description.

4. The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per §§ 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b).

Response: Fulfilled – please refer to photo exhibit showing the permanently attached loop antenna.

5. The module must demonstrate compliance in a stand-alone configuration.

Response: Fulfilled – please refer to the test report and test setup photos.

6. The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number (KDB 784748).

Response: Fulfilled – please refer to the label location and integration manual exhibit.

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.

Response: Fulfilled – please refer to the test report and integration manual exhibit.

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

Response: Fulfilled as devices subject to §15.225 are categorically excluded from this requirement.

Although the requirements are fulfilled, the Grantee hereby declares that this modular transmitter will be exclusively integrated by the Grantee himself into his own products and is not intended for sale to third parties.

Yours sincerely,

Sabrina Berghahn
Authorized Agent