

Attn: Reviewing Engineer

RE: PART 15 UNLICENSED LIMITED MODULAR TRANSMITTER APPROVAL

To Whom It May Concern:

We, Hirschmann Automation and Control GmbH, hereby request a part 15 unlicensed limited modular transmitter approval of our device, described as follows:

Model name: EWLAN1
FCC ID: U99EWLAN1

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, the RF module complies with this requirement; please refer to external photo exhibit.

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

Yes, the RF module complies with this requirement; please refer to Block Diagram and Schematics.

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

No, this RF Module does not comply with this requirement, but the stable supply voltage is assured by host device via PCI Express Interface. This module is subject to professional installation by the Grantee into his own end-product

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

Yes, the RF module complies with this requirement. This RF Module is equipped with 3xMMCX antenna connectors. Nevertheless this module is subject to professional integration by the Grantee himself into industrial end-products so that external antennas will be connected by appropriate antenna adaptors. Please refer to integration manual.

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

Yes, the RF module complies with this requirement, please refer to test setup photos.

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

Yes, the RF module complies with this requirement. This RF Module is labelled with it's assigned FCC ID (please refer to lable location info). In addition there is an auxillary lable drawing for the host device defined within the integration manual.

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.

Yes, the RF module complies with this requirement. The integration manual addresses necessary integration limitations (no own power regulator) and RF Exposure issues depending on different antenna gain constellations.

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

Yes, the RF module complies with this requirement. This RF Module is approved for use in industrial end-products defined as fixed or mobile where a separation distance of at least 50 cm between the antenna any any human body can be assured during normal operating conditions.
Please refer to MPE and integration manual