



Dear Application Examiner,

KZCO is seeking modular approval for the 300-0045 wireless transceiver module (FCC ID: XNJ-01). The module operates in the 902 - 928MHz unlicensed band in compliance with Part 15.209 and Part 15.249 rules. Its purpose is to provide a wireless data link between equipment designed and manufactured by KZCO, Inc. It is the intention of KZCO, Inc. to obtain a grant for modular approval so that this module can be integrated into KZCO, Inc. products without requiring further Part 15 transmitter testing when the transceivers do not change. The requirements of Public Notice DA00-1407 have been met and shown on the following statements.

1. "The modular transmitter must have its own RF shielding.":

The module is fully self-shielded, as can be seen in the external photos.

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

The module's IC buffers the input signals processes only valid packets.

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

The module contains a low drop out voltage regulator. In case of changes in the supply voltage, the power supply voltage will stay in regulation.

4. "The modular transmitter must comply with the antenna requirements of section 15.203 and 15.204(C)."

The module has a trace antenna on the PCB as can be seen in the external photos.

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

The EUT was tested in a stand-alone configuration by using a 50cm ambilical cable from the support board.

6. "The modular transmitter must be labeled with its own FCC ID number." If the module is going into a host then a label that says this unit "Contains FCC ID" number must be displayed on the outside of the host equipment.

The Module is labeled with its own FCC ID (See External Photos). The user's manual contains the following text;

As this is a module that will be included inside an end product, the end product must have an external label that states "Contains Transmitter Module FCC ID: XNJ-01."



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 transmitter will meet the requirements of FCC Parts 15.209 and 15.247 if installed per instructions in the user's manual. See "R050809-01" for details of testing to these requirements.

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

The transmitter meets the RF exposure requirements. See "RFE050809-01.pdf" for RF exposure calculations.

Regards,

A handwritten signature in black ink that appears to read "Roger Zimmerman".

9/30/09

Roger Zimmerman  
Design Engineer  
KZCO, Inc.