

2/1/2010

Subject: Cover Letter Requesting Modular Approval

FCC ID: KQL-WISMP

IC: 2268C-WISMP

Aerocomm would like to apply for a modular FCC approval for FCC ID: KQL-WISMP transceiver in accordance with FCC public notice DA 00-1407. Listed below are the modular transmitter requirements followed by a manufacturer clarification for FCC ID: KQL-WISMP

Rule 1. The modular transmitter must have its own RF shielding.....

Clarification: The WLM400 has a permanently fixed shield attached over the RF producing chip (W2SW0001), which is put on at the factory.

Rule 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.

Clarification: The WLM400 buffers the modulation and data in firmware. The OEM customer cannot adjust firmware to provide for excessive data rates or modulation parameters outside of the FCC approved modes.

Rule 3. The modular transmitter must have its own power supply regulation. This is intended to ensure that the module will comply with Part 15 requirements regardless of the design of the power supplying circuitry in the device into which the module is installed.

Clarification: The WLM400 is 100% regulated by two discrete regulators (Part U1 and U10) which regulate down to 1.8V and 3.3V. Specified input range for the module is 3.0V to 5.5V.

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

Clarification: The WLM400 complies with the antenna requirements of Section 15.203 and 15.204(c). There are two unique antenna couplers (u.fl RF connectors) which are placed during the manufacturing process.

Rule 5. The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing. This is intended to demonstrate that the module is capable of complying with Part 15 emission limits regardless of the device into which it is eventually installed.....

Clarification: The WLM400 was tested in a stand alone configuration. A serial interface and power were supplied. See the test report for this device.

Rule 6. The modular transmitter must be labeled with its own FCC ID number, and, if the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.....

Clarification: The WLM400 has the FCC and IC regulatory information printed on a heat resistant sticker which is applied to the top of the module at the time of manufacturing. The manual contains directions for OEM customers labeling requirements on their equipment.

Rule 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.....

Clarification: The WLM400 complies with all specific rules applicable to a 2.4Ghz spread spectrum transmitter and any regulatory precautions are addressed in the manual.

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

Clarification: The WLM400 is approved under mobile/ fixed classification and meets the applicable RF exposure requirements. Installation and RF exposure precautions are listed in the manual.