

FCC Letter for Modular Approval

Date: May 10, 2011

Request for Transmitter Modular Approval

Model: TR3-C202-A0-8
FCC ID: MK4TR3-C202-A0-8

The modular transmitter complies with the following requirements in FCC Part 15 Section 15.212 Transmitter Module Characteristics:

		Requirement	Comment
1.	Yes	The radio element of the modular transmitter has its own shielding.	The device is equipped with metal shielding to cover RF section. Refer to external photos.
2.	Yes	The modular transmitter must have buffered modulation data/inputs (if such inputs are provided).	The device has buffered data inputs. It is indicated parts number "IC1" on the TR3-C202's circuit diagrams.
3.	Yes	The modular transmitter must have its own power supply regulation.	The device has internal 5.0V voltage regulator to limit the maximum RF power of the module in case the rated input voltage is higher than 5.0V. If the rated input voltage is between 3.3V and 5.0V, the RF power of the module is less than the maximum RF power at 5.0V.
4.	Yes	The modular transmitter must comply with the antenna requirements of FCC 15.203 and 15.204(c) and the certification submission must contain a detailed description of the configuration of all antennas that will be used with the module.	The device is equipped with pattern antenna. Any connector is not used. Refer to external photos.
5.	Yes	The modular transmitter must be tested in a stand-alone configuration, i.e. the module must not be inside another device during testing.	The device was tested outside of PC for full modular approval. Refer to test setup photos.
6.	Yes	The modular transmitter must be labeled with its own FCC ID certification number. If the FCC ID certification number are 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.	The proposed FCC ID label format is to be placed on the module. If FCC ID label is not visible when module is install into the system, "Contains FCC ID: MK4TR3-C202-A0-8" shall be placed on the outside of final product.
7.	Yes	The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.	The detail instructions for maintaining compliance are given in the users' manual.

8.	Yes	The modular transmitter must comply with any applicable RF exposure requirements.	The device complies with the RF exposure compliance requirement. Refer to the test report.
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By: Yoichi Nakamura
(Signature)

Yoichi Nakamura
(Print Name)

Title: Assistant Director