



Yeonhwa M Tech Co., Ltd.

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Kwangmyung-City, KyongGi-Do, Korea

FCC ID: VSOTD-2400MD

Request for Single Modular approval
Transmitter Module Characteristics

| No | Requirements | EUT |
|----|---|--|
| 1 | Have its own RF shielding | Device is equipped with metal shielding to cover RF section. Refer to external photos. |
| 2 | Have buffered modulation/data inputs (if such inputs are provided) | All inputs to the modules are buffered through logic or microprocessor inputs. |
| 3 | Have its own power supply regulation | Power is supplied to RF Power AMP(U13) by turning input DC+5V power into DC+4V through Regulator (U12) D-Sub connector(CON2). This is also used for input power of U16 which makes DC+3.0V power. Regulator(U13) turns DC+4V power into DC+3.0V to supply power to MG2455 ZigBee Chip(U11), RS-232C Transceiver Chip(U15), EEPROM(U14) and other circuits. Refer to Module Block diagram |
| 4 | Meet the antenna requirements of Section 15.203 | Refer to internal photos. |
| 5 | Be tested in a stand-alone configuration, i.e., the antenna, AC or DC power and data input/output lines must be connected to the module but, the module must not be inside another case during testing | Device was tested on a supplied development platform for single modular approval. Refer to setup photos. |
| 6 | 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 | Label is to be placed in Back side of the EUT. Refer to FCC ID label format. |
| 7 | The modular transmitter is manufactured so that the user cannot influence the operation of the transmitter that will operate outside of the scope of the regulations. | Refer to "User's Guide" |
| 8 | Address compliance with the Commission's RF exposure limits in Sections 1.1310 and 2.1091. In addition, spread spectrum transmitters operating under Section 15.247 are required to address RF exposure compliance in accordance with Section 15.247(b)(4). | This device is categorically excluded from routine environmental because it operates at very low power level |

→ The module will be used to the manufactured product by Yeonhwa M Tech Co.,Ltd.

Sincerely,

Hwan-Dae Kim / Chief Engineer

Yeonhwa M Tech Co., Ltd.