

<Dynamic Model Design Limited>

November 19, 2009.

Request for Modular Approval Attestation for
the **2.4 GHz** TX Module (FCC ID: **XR9V003**)

Per the Part 15.212 of the FCC Rules for Part 15 Unlicensed Modular Transmitter approval the following information is provided:

- 1) Part 15.212 of the FCC Rules Page 2 Item 1: The EUT must have its own RF Shielding and be a complete RF transmitter. The EUT must not rely upon the shielding provided by the device into which it is installed for RF shielding.
The EUT have RF Shielding (see external photo of the EUT) and be a complete RF transmitter.
- 2) Part 15.212 of the FCC Rules Page 2 Item 2: The EUT must have buffered modulation/data inputs.
The EUT have 3 pins for data inputs.
- 3) Part 15.212 of the FCC Rules Page 2 Item 3: The EUT must have its own power supply regulation and VCO built-in.
The EUT have an AC/DC adapter and VCO (26MHz) built-in.
- 4) Part 15.212 of the FCC Rules Page 2 Item 4: The antenna must either be permanently attached or employ a "unique" antenna connector. Any antenna used with module must be approved with the module at time of initial authorization. Professional installation provision may not be applied to modules regarding use of any other antenna other then the one authorized at the time of Certification of the module.
The modular connects to its antenna via a SMA connector (SMA Male Reverse). This connector must be internally connected to the antenna without the possible of user access.
The antenna is a standard 2.4G Wireless antenna. Only folded dipole antennas with 2dBi gain or less can be used with this modular (Details see antenna manual).
- 5) Part 15.212 of the FCC Rules Page 2 Item 4: Any antenna used with the module must be approved with the module. (The "professional installation" provision (15.203) may not be applied to modules)
The antenna uses a Reverse SMA Connector and made by applicant.
- 6) Part 15.212 of the FCC Rules Page 2 Item: The modular transmitter must be tested in a stand-alone configuration. i.e., the module must not be inside another device during testing. (If tested in a Host Device then there must be a specific note on the Certification.)
The EUT connect to nothing except an adapter, there is nothing close in it when test it (Details see test setup photo).

7) Part 15.212 of the FCC Rules Page 2 Item: Unless the module is battery powered, it must comply with the AC line conducted requirements found in Section 15.207.
The EUT test conducted emission complies with 15.207, please consult the test report.

8) Part 15.212 of the FCC Rules Page 2 Item: AC, DC, and data input/output lines must not contain ferrites, unless they will be marketed with the module.
There are no ferrites, please consult the product photo.

9) Part 15.212 of the FCC Rules Page 2 Item: The module must have its own FCC ID and if not visible when installed inside another device, the outside device must display a label referring to the enclosed module. In this case, a copy of the instructions must be included in the application for equipment authorization.
There is an exterior FCC ID label Sample for user. (Details see the document: SampleofExteriorFCCIDLabelforModule)

10) Part 15.212 of the FCC Rules Page 2 Item: The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and must provide ADEQUATE instructions along with the module to explain any such requirements.
The EUT comply with FCC15.207, 15.209 and 15.247. Details see the test report.

11) Part 15.212 of the FCC Rules Page 2 Item: The module must comply with RF exposure requirements. See FCC Rules. Spread Spectrum transmitters must comply with RF exposure limits in 15.247.
The module complies with RF exposure requirements. Details see the test report.

12) Part 15.212 of the FCC Rules Page 2 Item: When approved, the grant of equipment authorization for the transmitter module MUST have the word "module" or "modular" added to the Remarks section of the grant.
We use the word "module" to add to the Remarks section of the grant.

Sincerely,

(Dynamic Model Design Limited)



(Derrick Wong)
(Engineer)