

Applicant: Typhur Inc.

FCC ID: 2BEFM-WT1000R

IC:31884-WT1000R

Section 15.212 Modular transmitters

Section 8 of RSP-100

Request for Modular Approval

Request for Limited Modular Approval

	Requirements	Device Conditions	Comply (Y/N)
Single Modular Approval Requirements			
1	<p>FCC The radio elements of the modular transmitter must have their own shielding. The physical crystal and tuning capacitors may be located external to the shielded radio elements.</p> <p>IC The radio elements shall have the radio frequency circuitry shielded. Physical/discrete and tuning capacitors may be located external to the shield, but shall be on the module assembly.</p>	The radio portion of this module is shielded, please see exhibition external photos.	Y
2	<p>FCC 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.</p> <p>IC If the module has modulation/data input(s), they shall be buffered in order to ensure that the module will comply with the requirements set out in the applicable Radio Standards Specification (RSS) under conditions of excessive data rates or over-modulation.</p>	The module has buffer modulation/data inputs.	Y
3	<p>FCC The modular transmitter must have its own power supply regulation.</p> <p>IC The module shall have its own power supply regulation on the module itself. This is to ensure that the module will comply with the requirements set out in the applicable standard regardless of the design of the power supplying circuitry in the host product that houses the module.</p>	The module has its own power supply regulation. Please see the "circuit diagram.pdf".	Y
4	<p>FCC The modular transmitter must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b) and 15.204(c). The antenna must either be permanently attached or employ a "unique" antenna coupler (at all connections between the module and the antenna, including the cable). The "professional installation" provision of § 15.203 is not applicable to modules but can apply to limited modular approvals under paragraph (b) of this section.</p> <p>IC The module shall comply with the provisions for external power amplifiers and antennas detailed in the applicable RSS. The equipment certification application shall contain:</p> <ul style="list-style-type: none"> • a detailed description of the configuration of highest antenna gain for each type of transmitting antenna for licence-exempt modules; • the maximum transmitting antenna gain for licence modules; and • a detailed description of the configuration of lowest antenna gain for each type of receiving antenna for Dynamic Frequency Selection (DFS) modules with removable antenna(s). 	The requirements of antenna connector and spurious emissions have been fulfilled. Please refer to the test report exhibition.	Y

5	<p>FCC The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing for compliance with part 15 requirements. Unless the transmitter module will be battery powered, it must comply with the AC line conducted requirements found in § 15.207. AC or DC power lines and data input/output lines connected to the module must not contain ferrites, unless they will be marketed with the module (see § 15.27(a)). The length of these lines shall be the length typical of actual use or, if that length is unknown, at least 10 centimeters to insure that there is no coupling between the case of the module and supporting equipment. Any accessories, peripherals, or support equipment connected to the module during testing shall be unmodified and commercially available (see § 15.31(i)).</p> <p>IC The module shall be tested for compliance with the applicable standard in a stand-alone configuration (i.e. the module shall not be inside another product during testing).</p>	Please refer to the Setup photo exhibition for the stand-alone test configuration.	Y
6	<p>FCC The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.</p> <p>IC The ISED certification label of a module shall be clearly visible at all times when installed in the host product; otherwise, the host product must be labelled to display the ISED certification number for the module, preceded by the word "contains" or similar wording expressing the same meaning, as follows: Contains IC: XXXXXX-YYYYYYYYYYYY</p>	In the exhibition OEM manual, there are Instructions given to the OEM on how to label the end product.	Y
7	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. A copy of these instructions must be included in the application for equipment authorization.	The required FCC rule has been fulfilled and all the instructions for maintaining compliance have been clearly stated in the User Manual.	Y
8	<p>FCC Radio frequency devices operating under the provisions of this part are subject to the radio frequency radiation exposure requirements specified in §§ 1.1307(b), 1.1310, 2.1091, and 2.1093 of this chapter, as appropriate. Applications for equipment authorization of modular transmitters under this section must contain a statement confirming compliance with these requirements. The modular transmitter must comply with any applicable RF exposure requirements in its final configuration. Technical information showing the basis for this statement must be submitted to the Commission upon request.</p> <p>IC The module complies or will comply with applicable RSS-102 exposure requirements in its</p>	Please refer the Maximum Permissible Exposure Information.	Y

	intended configuration/integration in a host.	
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Sincerely,

Wilson Huang

Applicant Signature

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