

Date: October 12, 2023

Federal Communications Commission
Equipment Authorization Branch Laboratory
Division Office of Engineering and Technology
7435 Oakland Mills Road
Columbia, Maryland 21046

Reg: Limited Modular Approval Request

Ref: FCC ID: SFIWP6

The following attestation addresses the requirements to support modular approval:

Limited Modular Approval Requirement	Yes	No
<p>1. The modular transmitter must have its own RF shielding. This is intended to ensure that the module does not have to rely upon the shielding provided by the device into which it is installed in order for all modular transmitter emissions to comply with Part 15 limits. It is also intended to prevent coupling between the RF circuitry of the module and any wires or circuits in the device into which the module is installed. Such coupling may result in non-compliant operation.</p> <p><i>Response) Yes, the radio circuitry of the WP6 has a metal shield surrounding the radio processor, transceiver module, and temperature-controlled oscillator.</i></p>	Yes	
<p>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.</p> <p><i>Response) Yes, the module contains buffered data inputs to prevent excessive data rates or over-modulation.</i></p>	Yes	

<p>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.</p> <p><i>Response) Yes, the WP6 has its own regulator as shown in the associated schematic.</i></p>	Yes	
<p>4. 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><i>Response) Yes, as outlined in the installation manual and terms of use, only authorized antennas are to be used with WP6. Installation of antennas must be carried out by a professional body or individual.</i></p>	Yes	
<p>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. Unless the transmitter module will be battery powered, it must comply with the AC line conducted requirements found in Section 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 Section 15.27(a)). The length of these lines shall be length typical of actual use or, if that length is unknown, at least 10 centimeters to ensure 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 or commercially available (see Section 15.31(i)).</p> <p><i>Response) Yes, the module has been tested in stand alone fashion.</i></p>	Yes	

<p>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. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: XYZMODEL1" or "Contains FCC ID: XYZMODEL1." Any similar wording that expresses the same meaning may be used. The Grantee may either provide such a label, an example of which must be included in the application for equipment authorization or must provide adequate instructions along with the module which explain this requirement. In the latter case, a copy of these instructions must be included in the application for equipment authorization.</p> <p><i>Response) Yes, the module will be labelled with its own FCC ID and all host devices will be labelled to say it contains the module with FCC ID SFIWP6.</i></p>	Yes	
<p>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. A copy of these instructions must be included in the application for equipment authorization. For example, there are very strict operational and timing requirements that must be met before a transmitter is authorized for operation under Section 15.231. For instance, data transmission is prohibited, except for operation under Section 15.231(e), in which case there are separate field strength level and timing requirements. Compliance with these requirements must be assured.</p> <p><i>Response) Yes</i></p>	Yes	
<p>8. The modular transmitter must comply with any applicable RF exposure requirements. For example, FCC Rules in Sections 2.1091, 2.1093 and specific Sections of Part 15 ...</p> <p><i>Response) Yes</i></p>	Yes	

Sincerely,

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