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To Whom It May Concern:

Epson would like to apply for Modular FCC approval. This letter is our application for such according to FCC 47 CFR 15.212 Modular Transmitters.

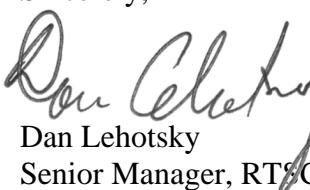
160627 RF Modular Transmitter Requirements:

	<b>Requirements for Modular Transmitters</b>	<b>Manufacturer's Clarification</b>
(i)	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.	✓ Modular transmitter has its own shielding.
(ii)	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.	✓ The modular transmitter uses a single chip solution which provides for data buffering on the modulation/data inputs.
(iii)	The modular transmitter must have its own power supply regulation.	✓ The modular transmitter has its own power supply regulation.
(iv)	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.	✓ The modular transmitter has a permanently attached antenna.
(v)	The modular transmitter must be tested in a stand-alone configuration, <i>i.e.</i> , the module	✓ The modular transmitter was tested in the stand-alone

	<p>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>	configuration using an unmodified base board.
(vi)	The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.	<ul style="list-style-type: none"> <li>✓ The modular transmitter is labeled with its FCC identification number.</li> </ul>
(vi)(A)	If using a permanently affixed label, the modular transmitter must be labeled with its own FCC identification number, and, if the FCC identification number 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.	<ul style="list-style-type: none"> <li>✓ Typically the modular transmitter is installed and cannot be seen by the end user. Users of the modular transmitter have been instructed to include an external label visible to the end user that indicates that the final product “Contains FCC ID: T89-160627”</li> </ul>
(vi)(B)	If the modular transmitter uses an electronic display of the FCC identification number, the	<ul style="list-style-type: none"> <li>✓ The modular transmitter does not use an electronic display.</li> </ul>

	<p>information must be readily accessible and visible on the modular transmitter or on the device in which it is installed. If the module is installed inside another device, then the outside of the device into which the module is installed must display a label referring to the enclosed module. This exterior label can use wording such as the following: “Contains FCC certified transmitter module(s).” Any similar wording that expresses the same meaning may be used. The user manual must include instructions on how to access the electronic display. A copy of these instructions must be included in the application for equipment authorization.</p>	
(vii)	<p>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.</p>	<ul style="list-style-type: none"> <li>✓ A copy of the instructions are provided with the application.</li> </ul>
(viii)	<p>The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.</p>	<ul style="list-style-type: none"> <li>✓ Maximum Permissible Exposure (MPE) evaluation was conducted, specific installation and operating instructions for users and installers are provided that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission’s guidelines</li> </ul>

Sincerely,



Dan Lehotsky  
Senior Manager, RTSC/RDC