

Applicant/Grantee	WISOL CO., LTD		
FCC ID:	2ABA2LTM100		
Modular Transmitters			
Request for Modular Approval	<input checked="" type="checkbox"/>	Request for Limited Modular Approval	<input type="checkbox"/>
Requirements		EUT Conditions	Comply (Y/N)
Single Modular Approval Requirements			
1	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.	The RF block of this module has been shielded by shieldcan. This module is shielded by separating the RF block and the Logic block.	Y
2	The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with modular approval requirements under conditions of excessive data rates or over-modulation.	Yes, this module has buffered data inputs to ensure that this module will comply with modular approval requirement.	Y
3	The modular transmitter must have its own power supply regulation.	This module has a PMIC(PMD9607) The PMIC(PMD9607) contain an own voltage regulation.	Y
4	The modular transmitter must comply with the antenna and transmission system requirements.	<p>The unique antenna connector requirement is not applicable to this intentional radiator as it does not operate under Part 15 of the rules. However, it should be noted that there are two versions of the module.</p> <p>a) The Model LTM100 is a solder down module with no direct RF connection to an antenna. When installed directly into a host the RF traces from module to antenna must meet the requirements described in the module integrator's instructions (refer to page 23 of the User Manual) and provided that the antenna used meets the requirements for maximum antenna gain as described in the module integrator's instructions (refer to page 24 of the User Manual).</p> <p>b) The Model LTM100D consists of the module LTM100 mounted to a carrier board that provides a connectorised interface to the host for power, signalling and control and coaxial antenna ports for the antenna. This can be installed in any host provided that the antenna used meets the requirements for maximum antenna gain as described in the module integrator's instructions (refer to page 24 of the User Manual).</p>	Y

5	<p>The modular transmitter must be tested in a stand-alone configuration, <i>i.e.</i>, the module must not be inside another device during testing. 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 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 Section 15.31(i)).</p>	<p>This module was tested in a stand-alone configuration.</p>	Y
6	<p>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><i>(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.</i></p> <p><i>(B) If the modular transmitter uses an electronic display of the FCC identification number, the 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</i></p>	<p>The FCC ID shall be permanently affixed on the top side of this module. Please refer to the Label Location.</p>	Y

	<p>as the following:</p> <p>“Contains FCC certified transmitter module(s).”</p> <p>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>		
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.	This module is compliant with all specific rule or operating requirements. The detail instruction is included user manual.	Y
8	The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	This module is compliant with all applicable RF exposure requirements.	Y
<p>A limited modular approval may be granted for single or split modular transmitters that do not comply with all of the above requirements, e.g., shielding, minimum signaling amplitude, buffered modulation/data inputs, or power supply regulation, if the manufacturer can demonstrate by alternative means in the application for equipment authorization that the modular transmitter meets all the applicable Limited modular approval also may be granted in those instances where compliance with RF exposure rules is demonstrated only for particular product configurations. The applicant for certification must state how control of the end product into which the module will be installed will be maintained such that full compliance of the end product is always ensured.</p>			

Name / Title of the Applicant	Young Joo, Song / Deputy General Manager
Date	2016-09-01
Signature	