

**Declaration of the  
Modular Approval**

<b>Applicant / Grantee</b>	M82
<b>FCC ID:</b>	M82-EPD-023-053
<b>Model:</b>	EPD-023, EPD023, EPD-053, EPD053

**The single module transmitter has been evaluated then tested meeting the requirements under Part 15C Section 2.12 as below:**

<b>Modular approval requirement</b>	<b>EUT Condition</b>	<b>Comply</b>
(a) 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.	No shielded, so this is an LMA application with the specific host.	N/A
(b) 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.	All inputs are processed as data by on-chip MCU. The outside user has no direct control of transmit modulation. The module can interface to externality using GPIOs/I2S/UART/I2C interface.	Refer Appendix "cc26 50"Page 3 Block Diagram"
(c) The modular transmitter must have its own power supply regulation.	The module contains its own voltage regulation circuit. In case of supply voltage variation, the voltage will be stabilized.	Refer Appendix "cc26 50"Page 3 Block Diagram"
(d) The modular transmitter must comply with the antenna and transmission system requirements of Sections 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 Section 15.203 is not applicable to modules but can apply to limited modular approvals under paragraph (b) of this section.	The module uses Internal Chip Antenna for EPD-023 and Internal PCB Antenna for EPD-053. Detail of which can be found in Internal Photo	Refer Appendix internal photo

<p>(e) 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 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 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)) must not be inside another device during testing.</p>	<p>This is an LMA submission with the specific hosts. The model numbers of the specific hosts in this application are EPD-023B2 and EPD-053R2 respectively.</p> <p>Powered by the battery only without the charging function and can be not connected with the AC source directly or indirectly.</p>	<p>NA</p>
<p>(f) 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>This module complies with this rule, please refer to Label and User Manual for the detail.</p>	<p>Y</p>
<p>(g) 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 requirements, which are based on the intended use/configurations.</p>	<p>The module is compliant with applicable FCC Rules.          Instructions are provided in User Manual.</p>	<p>Refer to Appendix User Manual</p>



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(h) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	The unit is compliant with the RF exposure requirements of Parts 15.247 and 2.1091.	Refer to Appendix User Manual
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**Dated**

2019/11/27

**By:**

Lily Huang



**Title:**

Assistant Manager

**On behalf of :**

Advantech Co., Ltd.

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