



Lexmark international, Inc.  
740 New Circle Road  
Lexington, KY 40550, US

**RE FCC ID: IYLLEXM01005**

**To the certification reviewer:**

We are hereby applying for full modular approval of the above-referenced FCC ID, based on compliance with all of the criteria as detailed below.

Sincerely,

Michael Klave  
Certification Engineer

**Part 15 Unlicensed Single Modular Transmitter Approval Justification per 15.212**

<b>Requirement per 15.212</b>	<b>reference</b>
(i) <i>The radio elements of the modular transmitter must have their own RF shielding.</i>	Shielding is provided by a metal cover over the circuitry. Shield is soldered to the LEX-M01-005 PCB over the RF components.
(ii) <i>The modular transmitter must have buffered modulation/data inputs (if such inputs are provided).</i>	All modulation and data inputs are buffered by circuitry on the Marvell 88W8782U WLAN SoC (system on chip) . The host printer interface is through a USB 2.0 compliant interface.
(iii) <i>The modular transmitter must have its own power supply regulation.</i>	Power supply regulation is provided by circuitry on the module itself. The 5V supplied to the module via the USB interface is regulated to provide all necessary voltages for the module operation.
(iv) <i>The modular transmitter must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b) and 15.204(c).</i>	Depending on the application, the LEX-M01-005 module uses either the PCB trace antennas located on the LEX-M01-005 module PCB, or an externally located dipole type antenna that connects to the LEX-M01-005 module via a non-standard U.FL type PCB connector soldered to the PCB.

<p>(v) 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 parameters.</p>	<p>Testing was performed with the module alone, as shown in the test setup photos.</p>
<p>(vi) The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number. 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.</p>	<p>A sample of the host label is provided as an exhibit, showing the FCC identifier of the module.</p>
<p>(vii) 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>	<p>The module complies fully with the operating requirements of Part 15 section [...] as demonstrated in the test report exhibit.</p>
<p>(viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.</p>	<p>Comply – reference the MPE calculations exhibit.</p>