



4150 Olson Memorial Highway
Suite 400
Golden Valley MN 55422

RE FCC ID: 2AEA5-ZXB16

To the certification reviewer:

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

Sincerely,



3/24/15

Dan Sullivan
President/CTO

Part 15 Unlicensed Single Modular Transmitter Approval Justification per 15.212

Requirement per 15.212	reference
(i) The radio elements of the modular transmitter must have their own RF shielding.	There is no RF shielding on the ZXB16. Request for Limited Modular Approval
(ii) The modular transmitter must have buffered modulation/data inputs (if such inputs are provided).	All modulation and data inputs are buffered by circuitry on the transmitter chip.
(iii) The modular transmitter must have its own power supply regulation.	The ZXB16 uses a transmitter that has a built in LDO. It converts external voltage to 1.2V for use in the chip core
(iv) The modular transmitter must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b) and 15.204(c).	The embedded antenna is considered permanently attached
(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.	The ZXB16 module was tested as a stand alone

<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>Refer to the proposed regulatory label provided</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>Refer to the OEM installation guide</p>
<p>(viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.</p>	<p>Refer to MPE calculation in Test report</p>