



RE FCC m: 2AAJXQS-ZWAVEAH

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,

A handwritten signature in black ink, appearing to read 'MS', is written over a light grey horizontal line.

Mark Skeen  
VP Life Safety & Compliance  
Qolsys Inc.



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	Yes. Shielding is provided by a metal shield over circuitry.
(ii) The modular transmitter must have buffered modulation/data inputs (if such inputs are provided)	Yes. All modulation and data inputs are buffered by circuitry on the transmitter chip.
(iii) The modular transmitter must have its own power supply regulation.	Yes. ZM5202 Transmitter provides its own LDO voltage regulators for core operation. From ZM5202 Datasheet, Section 2.5: <i>"While the supply to the digital I/O circuits is unregulated, on-chip low-dropout regulators derive all the 1.5 V and 2.5 V internal supplies required by the Micro-Controller Unit (MCU) core logic, non-volatile data registers, flash, and the analogue circuitry."</i>
(iv) the modular transmitter must comply with the antenna and transmission systems requirements of §§ 15.203, 15.204(b) and 15.204(c)	Yes. The antenna is 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.	Yes. Testing was performed with the module extended outside of the host on a special extender board, as shown in the test setup photos.
(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.	Yes. Module will have its own permanently affixed label displaying its FCC-ID. When installed inside another device, module label cannot be seen. Therefore, the host device will also display a label referring to the enclosed module.



<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>Yes. The module complies fully with the operating requirements of Part 15 Subpart C (15.249) 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>Yes. This module operates under Part 15, Subpart C (15.249) and Subpart B, Class B, which is exempt from RF exposure evaluation owing to the very low operating power:</p>