

Product Safety and Quality  
EMC Services



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The purpose of this letter is to request modular approval for the Episensor Z31 Zigbee Module  
FCC ID: W6V-EPIZ31MOD001.

To address the specific numbered items of Public Notice DA 00-1407.

1. The Z31 board incorporates a shield over the transceiver IC and RF portion of the circuit board.
2. The Z31 incorporates digital buffers on the data inputs, which are part of the transceiver IC. The EM250 stores and runs the application program that controls the operation of the module, to not allow over modulation.
3. The Z31 has its own power supply regulation via the 3.3 V regulator on the CP2102 USB interface chip as it derives its power from the USB port.
4. Antennas. The internal antenna supplied with the Z31 is fully integrated into the printed circuit board, being constructed of copper patterns etched in the board during its fabrication.
5. The Z31 module was testing as a stand alone device using an external linear power supply as support equipment.
6. The Z31 has a label with the FCC ID visible when installed into another device.
7. The Z31 complies with all existing rules and/or requirements applicable to the transmitter and has been submitted with this request.
8. The Z31 is a low power device and has demonstrated compliance with the MPE RF Exposure requirements for mobile devices. Installation and operating instructions specify the required minimum distance for humans.

Sincerely,

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