

Company: **Sensus Metering Systems Inc.**
FCC ID: SDBAPXCVRZIG01
IC ID: 2220A-APXCVRZIG01
Request for transmitter modular approval

Transmitter Module characteristics

Item	Requirements	DUT
1	Have its own RF shielding	RF circuits covered by metal shields
2	Have buffered modulation/data inputs (if such inputs are provided),	All inputs to the modules are buffered through logic or microprocessor inputs.
3	Have it own power supply regulation	Power management control circuits between battery input and radio, refer to block diagram
4	Meet the antenna requirements of Section 15.203	Device is equipped with integrated circuit board antenna with 0dBi gain.
5	Be tested in a stand-alone configuration, i.e., the antenna, AC or DC power and data input/output lines must be connected to the module but, the module must not be inside another case during testing	The modular transmitter was tested in a stand-alone configuration. The modular transmitter is not battery powered and therefore was tested and complies 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 do not contain ferrites.
6	Be labeled with its own FCC ID number, and 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.	Two proposed FCC ID label format are included in the filing. One of label is to be placed on the module and the other label is to be placed on the outside of system. Refer to FCC ID label

		format and location file.
7	The modular transmitter is manufactured so that the user cannot influence the operation of the transmitter that will operate outside of the scope of the regulations.	The modular transmitter is manufactured so that the user cannot influence the operation of the transmitter that will cause it to operate outside of the scope of the regulations.
8	Address compliance with the Commission's RF exposure limits in Sections 1.1310 and 2.1093. In addition, spread spectrum transmitters operating under Section 15.247 are required to address RF exposure compliance in accordance with Section 15.247(b)(4).	The transmitter meets the RF Exposure requirements in accordance with Section 15.247(b)(5) and shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines.