

Sensus Metering Systems
FCC ID:KCH520R

Request for transmitter limited modular approval

Transmitter Module Characteristics

Item	Requirements	EUT
1	Have its own RF shielding	Device is equipped with Metal shielding to cover RF section. Refer to external photos
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	No
4	Meet the antenna requirements of Section 15.203	Antenna is traces on PCB max 2.2 dBi
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	EUT was tested in a stand-alone configuration with a test jig.
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.	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 EUT will be incorporated into Sensus products by Sensus or manufacturers under contract to Sensus. Module is not sold to users
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).	Calculation shows MPE distance of approximately 7.4 cm