

March 15, 2013



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RE 7700H TX  
FCC ID: CN27700L

With regard to the Part 90 requirements for modular approval, Cattron-Theimeg Inc. would make the following observations with regard to the numbered requirements.

1. The Module must have it's own RF shielding, -  
The module does not have shielding but the equipment into which this module is installed is exclusively designed and manufactured by and for Cattron-Theimeg Inc. the installation within our equipment ensures that no wiring runs across the radio and that the final product maintains compliance with the FCC part 90 mask.
2. The Module must have it's own buffered modulation/data inputs. –  
The equipment into which this module is installed is exclusively designed and manufactured by and for Cattron-Theimeg Inc, the equipment is of our own design and the data is carefully controlled to maintain FCC compliance.
3. The module must have it's own power supply regulation.  
This module incorporates it's own regulation for the power amp, the TCXO and the antenna switch, the synthesizer IC is supplied by the motherboard that this module is installed onto, this module is installed exclusively into equipment designed and manufactured by and for Cattron-Theimeg Inc. and all have their own regulated and monitored 3.3V supply voltage, excursions of more than +/- 10% result in equipment shut down.
4. The antenna requirements are met by specifying the gain of antennas to be fitted have a gain of less than +2dBi.
5. The modular transmitter, has been tested in the defined stand alone configuration.
6. The Labeling requirements of the modular approvals will be followed, the module is only incorporated into Cattron-Theimeg Inc equipment, the label will be installed on the opening face of the battery compartment door of the unit into which it is incorporated.
7. Operating parameters are controlled within system requirements specifications, these define the specific voltage tolerance, data rate, duty cycle and deviation.

8. RF exposure limits are maintained by,
- a) Limiting power to 250mW
  - b) limiting mean antenna power to 0.083W.
  - c) Ensuring the antenna maintains a human body distance of greater than 3inches.
  - d) Limiting the attached antenna gain to a unity 2.2dBi type.
  - d) Equipment is used only in a controlled environment and warnings are posted in the operations manual to warn of the possible harmful effects of human exposure to radiation.