



Cambium Networks

June 20th, 2014

FCCIDs: Z8H89FT0005 and Z8H89FT0006
Request for modular approval

Gentlemen,

In accordance with the requirements in CFR47 Section 15.212 Cambium Networks is requesting a modular approval of part 15 devices. The following is stated

- 1) Radio elements are shielded to provide isolation from the environment.
- 2) The transmitter has buffered modulation and data inputs.
- 3) The modular transmitter has its own power supply regulation:
 - a. There is a main 5.2V regulator from the input voltage circuit, a 1.2V Regulator for the S.O.C. , a 2V regulator for ethernet, a 1.8V regulator for the ddr, a 3.3V switcher for the digital section, a 1.1V regulator for the phy. There are two 4.7v low drop out regulators for the PA circuits.
- 4) The integral antenna is permanently attached while the connectorized variant uses a unique connector scheme at the output of the board to connect to our approved antennas.
- 5) The modules were tested in a stand alone configuration and found to be compliant with part 15 rules.
- 6) The label is permanently affixed with the FCCID.
- 7) The unit is compliant with part 15.407, installation and other requirements are presented in the user guide for proper installation.
- 8) The unit is compliant with applicable R.F. exposure requirements and minimum distances are called out in the user guide.

In support of this request, test reports are submitted in this application to demonstrate compliance to the rules: We have demonstrated compliance at nationally recognized test labs with a 3dBi omni, a 17dBi connectorized sector array antenna which includes 1dB of cable loss as well as an integrated antenna of similar in band and out of band performance , a 23dBi Panel antenna, and a 30dBi dish.

Sincerely,

Steven M. Payne
R.F. Principal Staff Engineer
Cambium Networks