December, 2017

FCCid: Z8H89FT0038
Request for modular approval Family Certification

Gentlemen,

In accordance with the requirements for modular approval for FCC DA-00-1407, Cambium Networks is requesting a modular approval for the above family of 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 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 standalone configuration and found to be compliant with FCC part 15.407 rules and Industry Canada RSS247 and RSSGEN.
6) The label is permanently affixed with the FCCid: Z8H89FT0038.
7) The unit is compliant with FCC15.407 , 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.

Pursuant to 47CFR0.459 We hereby request confidentiality for the block diagram, schematics, theory of operation and software architecture.

Model Number clarification:
C055H012A: Marketing the same electrically identical design for use with an integrated dipole (5055CHH) and internal dipole fed external dish marketed as PTP550 (5055HH).

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 2dBi diopole, a 22dBi dish.

Sincerely,

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