



Cambium Networks

July 31, 2014

FCCID: Z8H89FT0001

S.D.R. Request for Class III permissive change

Gentlemen,

In accordance with permissive change rules in CFR 47 Section 2.1043 (b) (3), Cambium Networks is requesting a Class III permissive change to allow operation in the UNII band between 5470MHz and 5725MHz.

We are requesting operation of 10MHz and 20MHz Bandwidth channels from 5470MHz to 5600MHz and 5650MHz to 5725MHz for our PTP system under CFR Title 47 Part 15 subpart E section 15.407. The PTP system is a Fixed outdoor point to point software defined radio configurable for channel bandwidth, R.F. channel center frequency, and modulation. We attest that no deliberate transmissions will occur between 5600MHz and 5650MHz; our official software version 13.2 continues to not allow these channels to be set by the professional installer nor end user. Version 12.0 was the initial load to enable 5725MHz to 5850MHz in the DTS band. Subsequent point release to 12.1 was created to enable 5MHz channels in the DTS band only. Other point releases were simply to address bug fixes. Software Version 13.2 will have this BackHaul (point to point) Functionality available for this FCCid: Z8H89FT0001. We attest: this radio is US region locked and cannot be changed for operation outside of the grant parameters. The default configuration does not transmit until a professional installer properly logs in and configures the output power and center frequency. End Users may not change the setup parameters and do not have access.

Note: No changes have been made to Software, Distribution and Security (SDS) architecture as initially filed.

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 for our 8dBi integrated antenna, which is our lowest gain antenna. As a Master device the PTP450 (BH) will comply with all applicable DFS requirements such as CAC and in service monitoring.

Further we attest that per KDB594280, production units for U.S. customers and installations do not permit region or country selection.

Sincerely,

Steven M. Payne
Principle Staff Engineer
Cambium Networks

