



## Cambium Networks

November, 2016

FCCID: Z8H89FT0028  
S.D.R. Request for Equipment Authorization

Gentlemen,

In accordance with the rules in CFR47 Part 90z, Cambium Networks is requesting a grant of Authorization to allow operation in the band between 3650MHz and 3700MHz.

We are requesting Un-restricted operation of 5MHz, 20MHz, and 40MHz channel bandwidths. The PMP450i is a fixed outdoor point to multipoint system, while the PTP450i system is a Fixed outdoor point to point system. Each software defined radio is configurable for channel bandwidth, R.F. channel center frequency, and modulation. We attest that we can detect like and unlike signals across the entire 50MHz band. Our official software version 14.3 is for 3.65GHz operation 15.0 allows operation with previously granted PMP450 and PTP450 devices. 15.0.x is the official release for all Canopy products enabling 40MHz for 3GHz. The .x is for bug fixes.

These devices are setup by professional installers not end users. 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: Software, Distribution and Security (SDS) architecture is filed as a separate exhibit.

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 17dBi integrated antennas and 19 dBi integrated antennas as well as the conducted option for a 17dBi external antenna.

Sincerely,

Steven M. Payne  
Principle Staff Engineer  
Cambium Networks

