

Antenna Elevation Waiver

Part 25.205

The applicant requests a waiver to FCC rule 25.205 concerning the minimum angle of earth station antenna elevation toward the horizon of 5 degrees.

The calculated minimum elevation angle toward the horizon of the proposed earth station is 4.7 degrees. The earth station is located in a remote and sparsely populated area of Alaska, and will be pointed away from residential or business areas. The transmit beam of the proposed earth station will not cross any areas of public access.

The proposed earth station will support a new public safety land-mobile radio communication system to be deployed in the North Slope of Alaska. The primary point of communication for this earth station supporting the public safety land-mobile system will be Eutelsat 115WB which is located at 114.9 West satellite longitude. The pointing toward this satellite requires an elevation angle above the horizon of 4.5 degrees from the proposed earth station location.