

Routine Licensing for Antennas with Low Power Densities

Pursuant to 25.220 of the Rules and Regulations (“Regulations”) of the Federal Communications Commission (“Commission”), the operator of an antenna smaller than 4.5m in the 4/6 GHz frequency bands must demonstrate the unacceptable interference will not be caused to any and all affected adjacent satellites. The proposed antenna in this application is smaller than 4.5m. Hence, a demonstration that interference will not be cause to adjacent satellites is now presented.

Pursuant to 25.132 and 25.218 of the Regulation, the antenna is operating at a reduced power density at the flange of -5.5 dBW/4kHz, a 1.8 dB margin under the maximum allowed. To that extent the resultant decrease in antenna pattern allows for a compliance with the specified patterns in 25.218.