

STA Confirmation #: EL503812

STA File # 0485-EX-ST-2005

8/18/2005

Applicant: Raytheon Company

Coordination: No LMS providers were found when performing a search (using ULS database) of 10 mile radius around street address and coordinates for the frequencies requested.

Antenna Data and Test Site Location:

The test site is located adjacent to "Tower 3" at Raytheon's McKinney facility, at 2501 West University, McKinney, TX 75070. The ground elevation at the test site is about 653 feet, or about 200 meters above mean sea level. **The antennas are mounted about 19 feet (5.8 meters) above the ground level. They are horizontally polarized and have an elevation angle of 75 to 90 degrees from zenith. (0 to 15 degrees up angle from pointing straight down). The antenna azimuth is either +/- 5 degrees from due west or +/- 5 degrees from due east. (85 to 95 degrees, and 265 to 275 degrees)**

RF Emissions:

The RF equipment uses a Continuous Wave (CW) emission from the RF module into one of the antennas. The frequency is software adjustable from 912.75 MHz to 918.75 MHz in 0.25 MHz steps. The maximum CW power is 1 watt (30 dBm) with adjustable attenuation of 0-15 dB in 1 dB steps. Frequency stability is less than or equal to 25 ppm (0.0025%).

Contacts:

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