

Form 442 Confirmation Number: EL8060
Form 442 File Number: 0115-EX-PL-2000

Narrative Statement:

Description of operations:

This application is intended to apply for the test frequencies of 5.25 to 5.35 GHz and 5.725 to 5.825 GHz to develop new antennas for commercial markets. These frequencies will be emitted as single frequency or swept frequency CW.

This license is for an outdoor RF antenna test range. The source antenna is mounted on the side of a two-story building which is stationary and pointed downward at an angle of approximately 30 degrees toward the antenna under test (AUT). The AUT is mounted on a 10' rotating pedestal located in an open field. There are residential dwellings located behind the AUT approximately 350' not in the beam of the source antenna.

A Hewlett Packard 8753E Vector Network Analyzer provides the RF source and has a maximum output power of 10 mW. A HP 85030 Linear Amplifier may be used, it has a maximum output power of 1W. If we cannot be approved for 1W output power, please reduce our power to an acceptable level rather than rejecting our application completely.

Below is a view from the roof of our facility showing the source antenna and the pedestal.

