

Narrative Statement

The experimental is necessary to trial pre-commercial LTE equipment and to operate a CW transmitter in order to characterize the RF environment at 3550 – 3700 MHz, and gather performance data including operational characteristics of LTE technology from various vendors. This will allow the determination of building loss and radio path propagation characteristics in a variety of different environments using both CW and OFDM-modulated waveforms, and will allow demonstration of performance of pre-certified base station and mobile units in operation using the LTE standard in a variety of channel bandwidths to gauge radio performance and data throughput.

A STA experimental was recently granted for this same service under FCC call sign WJ9XON. We are requesting a “permanent” experimental for the same service as we anticipate further need for testing and demonstrations.

If you have any questions or require additional information, please feel free to contact us.

Sincerely,

Bao Phommatha