

A. Purpose of STA application

This STA application is a modification of STA File Number **0330-EX-ST-2003**. This application is requesting two modifications to the STA. One modification is an increase in transmit power for one block of frequencies, and the second modification is the addition of a new fixed location to be used on a temporary basis for the three existing frequency ranges.

B. Experimentation Proposals

1) Modification of power level in the frequency range of 704 to 710 MHz.

STA file number 0330-EX-ST-2003 permits transmission of 6W ERP in the frequency range of 704 to 710 MHz. Qualcomm would like to increase the allowable transmit power to 60W ERP for the two existing fixed locations.

Qualcomm has verified that there is no detectable signal in this frequency range at the locations specified in the current STA. The nearest licensee is KHEM-LP (Facility ID No: 7776), located in Hemet, California. This 2.3kW licensed transmitter is located more than 50 miles northeast of the Qualcomm facility, and the transmitter antenna pattern is such that the main beam is focused to the north away from Qualcomm.

Transmitter locations from STA file# 0330-EX-ST-2003

	Location 1	Location 2
Lat	32-53-43	32-53-50
Long	117-11-44	117-12-05

2) Addition of fixed location for periodic low power use

This application also adds a new fixed location with a transmit power level of 6W ERP. This additional location will be used periodically for short durations of testing. For example, a portable transmitter will be driven to the location for a single day of testing.

The frequency and location information of the new location is in the following table below.

	New Location
Latitude	32-50-24
Longitude	117-14-41
Frequency Range 1	704-710
Frequency Range 2	722-728
Frequency Range 3	740-746