

A. Applicant's Qualifications

QUALCOMM Incorporated (www.qualcomm.com) is a leader in developing and delivering innovative digital wireless communications products and services based on CDMA and other advanced technologies. Headquartered in San Diego, Calif., QUALCOMM is included in the S&P 500 Index and is a 2005 FORTUNE 500® company traded on The Nasdaq Stock Market® under the ticker symbol QCOM.

B. Experiment Description

Qualcomm will be evaluating new wireless technologies using spectrum in the 2160-2180 MHz frequency range. Multiple bandwidth and modulation schemes will be evaluated as part of this testing. Qualcomm has an experimental license granted (file 0255-EX-PL-2005) allowing operation in the frequency range of 2160-2180 MHz.

This modification adds three buildings to the existing application and increases the EIRP. Qualcomm has worked with Comsearch to complete an interference analysis study to verify no new interference is created for existing microwave links. The analysis has been uploaded as an attachment. Tables 1 and 2 have the transmitter information.

Table 1

Site Name	System BW	Antenna Type	Max EIRP (W)	Max EIRP (dBm)	AMSL(m)	AGL(m)	RC-AMSL(m)	Lat (N)			Long (W)		
N	20 MHz	Omni	1000	60.0	98.0	60.8	158.8	32	53	44.5	117	11	45.9
WT					100.0	62.5	162.5	32	54	12.71	117	11	48.18
AE					117.0	16	133.0	32	54	3	117	12	32.11

Table 2

Site Name	Address
N	5665 Morehouse Dr, San Diego, CA 92121
WT	5745 Pacific Center Blvd
AE	6965 Lusk Blvd, San Diego, CA 92121