

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 buildings to the existing application and increases the EIRP. The application also adds 2155-2160 MHz to the license to support a TDD 5 MHz BW system. 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	1300	60	98	60.8	158.8	32	53	44.5	117	11	45.9
WT					100	62.5	162.5	32	54	12.71	117	11	48.18
AA					100	23	123	32	53	26	117	13	22
AE					117	16	133	32	54	3	117	12	32.11
AR					29.6	30	59.6	32	54	5.14	117	13	42.8
AT					88.7	50	138.7	32	53	39.24	117	12	10.77
A					17.7	7.6	25.3	32	53	49.98	117	13	6.88
E					114.3	18.3	133	32	52	47.4	117	12	9

Note: Green color indicates new side added to application on 5/21/07.

Table 2

Site Name	System BW
N	5665 Morehouse Dr, San Diego, CA 92121
WT	5745 Pacific Center Blvd
AA	10290 Campus Point Dr
AE	6965 Lusk Blvd, San Diego, CA 92121
AR	10945 Vista Sorrento Pkwy, San Diego CA 92121
AT	5355 Mira Sorrento Place, San Diego CA 92121
A	10555 Sorrento Valley Rd, San Diego CA 92121
E	4875 Eastgate Mall, San Diego CA 92121