

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

This experimental license application is a modification of license file number 0156-EX-RR-2006 that supports testing of the 2.1GHz IMT-2000 band. This application expands the area of operation and increases the authorized EIRP in the frequency range of 2110-2120 MHz.

Qualcomm worked with Comsearch to complete an interference analysis determining no new interference is generated to commercial microwave links from Qualcomm's experimental activities. The interference report is attached as an attachment to the application.

The 2110-2120 MHz frequency range was auctioned as the AWS "A Block" by the FCC in 2006. Qualcomm will coordinate with the effected AWS license owner prior to transmission.

The Form 442 new antenna registration describes "San Diego County" as the operational area. The planned antenna locations are described in Table 1 and Table 2. The specific antenna locations are not listed in the Form 442 so as to provide flexibility for future antenna locations. Prior to any fixed site modifications, Qualcomm will coordinate through Comsearch and AWS licensees to fulfill the coordination requirements of the issued experimental license.

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)		
E	5 MHz	Omni	1000	60.0	116	16.6	132.6	32	52	47.4	117	12	9
Q					91.4	27.4	118.9	32	54	8.71	117	12	1.18
N					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
AA					100.0	23	123.0	32	53	27.66	117	13	23.28
R					95.7	18.6	114.3	32	54	15	117	12	8.34
L					94.0	40	134.0	32	53	42.9	117	11	43.74

Table 2

Site Name	Address
E	4875 Eastgate Mall, San Diego, CA 92121
Q	6455 Lusk Blvd, San Diego, CA 92121
N	5665 Morehouse Dr, San Diego, CA 92121
WT	5745 Pacific Center Blvd, San Diego, CA 92121
AE	6965 Lusk Blvd, San Diego, CA 92121
AA	10290 Campus Point Dr , San Diego, CA 92121
R	10185 McKellar Ct, San Diego, CA 92121
L	5775 Morehouse Drive, San Diego, 92121