

QUALCOMM MSS Experiment Description

1 Introduction

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 2007 FORTUNE 500® company traded on The Nasdaq Stock Market® under the ticker symbol QCOM.

QUALCOMM will perform developmental testing and demonstration of new R&D technologies in the frequency range of 2000-2020 MHz.

The application captures information for two locations:

- 1) San Diego, CA
- 2) Las Vegas, Nevada

2 Experiment Description

R&D efforts will occur in San Diego, CA and Las Vegas, NV. Mobile CDMA units will transmit on the requested frequencies in this application to. Receive operations utilize a different frequency band.

3 Frequency, Power, Location Information

Table 1 and Table 2 summarize the locations, frequencies, and transmit requested in this license application. The maximum occupied bandwidth for a transmitter is 1.25 MHz within the specified frequency range.

The modulation scheme is CDMA.

Table 1 San Diego Country Transmit Frequency and Power Information

Frequency Range (MHz)	Signal BW	Experimental License ERP (W)	Experimental License ERP (dBm)	Experimental License EIRP (W)	Experimental License EIRP (dBm)	Emissions Designator
2000-2010	1.25 MHz	0.6	27.8	1.0	30.0	1M25F9W

Table 2 Location Information

Address	Lat	Long	Antenna Orientation	Operational Radius
5775 Morehouse Drive, San Diego, CA 92121	32 53 42.25N	117 11 42.7W	Omni	10 mile radius
Las Vegas, NV	36 14 18N	115 7 4W	Omni	15 mile radius

4 Frequency Coordination

Prior to transmission, QUALCOMM will coordinate with licensees affected by the proposed networks. If necessary, QUALCOMM will complete internal or external frequency analysis to demonstrate R&D or demonstration activities contribute no interference to licensed services.