

QUALCOMM 1755-1780 MHz Experiment Proposal

1 Introduction

Qualcomm Incorporated (NASDAQ: QCOM) is a world leader in 3G, 4G and next-generation wireless technologies. Qualcomm Incorporated includes Qualcomm's licensing business, QTL, and the vast majority of its patent portfolio. Qualcomm Technologies, Inc. (QTI), a wholly-owned subsidiary of Qualcomm Incorporated, operates, along with its subsidiaries, substantially all of Qualcomm's engineering, research and development functions, and substantially all of its products and services businesses, including its semiconductor business, QCT. For more than 25 years, Qualcomm ideas and inventions have driven the evolution of digital communications, linking people everywhere more closely to information, entertainment and each other. For more information, visit Qualcomm's website, OnQ blog, Twitter and Facebook pages.

QTI will be completing limited testing of an experimental 3G/4G technology in San Diego, CA. Thus frequency band will be used for mobile device testing.

2 Transmitter Information

The maximum output power for mobile units and the fixed site is listed in Table 1. Table 2 lists the fixed site location and operational radius where mobiles will be operated. The actual fixed site ERP deployed may be lower than the power listed after the network design has been finalized.

Table 1 Transmitter Information

Type	Frequency (MHz)	Power (dBm EIRP)	Power (W EIRP)	Power (W ERP)	Bandwidth (MHz)	Emissions Designator:
Mobile	1755-1780	27	0.5	0.3	20	20M00G7D (LTE)
Mobile	1755-1780	27	0.5	0.3	20	5M00F9W (UMTS)

Table 2 Mobile Sites testing location

Type	Address	County	Lat	Long	Radius (miles)	Radius (km)	Antenna Type
Fixed	5775 Morehouse Dr. San Diego, CA 92121	San Diego	32 53 46N	117 11 45W	5	8	Omni

3 Frequency Coordination

Consent of spectrum licensees will be obtained prior to usage.