

## 2900-3000 MHz Experiment Description

### 1 Introduction

Qualcomm Incorporated (NASDAQ:QCOM - News) is the world leader in 3G and next-generation mobile technologies. For 25 years, Qualcomm's ideas and inventions have driven the evolution of wireless communications, connecting people more closely to information, entertainment and each other. Today, Qualcomm technologies are powering the convergence of mobile communications and consumer electronics, making wireless devices and services more personal, affordable and accessible to people everywhere. For more information, please visit [www.qualcomm.com](http://www.qualcomm.com).

This STA request is in support of research and development efforts for large bandwidth wireless communications systems. This initial short term testing is associated with propagation testing.

### 2 Transmitter Information

Testing is expected to occur periodically for six months from license issue date. Table 1 contains transmit power information for the two fixed sites that use horn antennas. Table 2 lists the site locations and azimuth.

**Table 1 Transmitter Information**

Frequency (GHz)	Peak EIRP			Peak ERP (W)	Peak Antenna Gain (dBi)	Maximum Emission BW	Emissions Designator
	dBm	dBW	W				
2.9-3.0	30	0	1	0.61	0	90 MHz	90M00G7D

**Table 2 Transmitter Site Information**

Site #	Address	County	Lat	Long	Peak Antenna gain Azimuth (Deg)	Elevation	Antenna Type
1	Bridgewater 500 Somerset Blvd	Somerset	40° 35' 7.0794"	-74° 37' 27.48"	314 (Northwest)	Varies Up to 27m	Omni
2	Bridgewater 400 Somerset Blvd	Somerset	40° 35' 16.4394"	-74° 37' 41.16"	134 (Southeast)	Varies Up to 35m	Omni