

1. Introduction:

Qualcomm Incorporated (NASDAQ:QCOM - News) is the world leader in 3G and next-generation mobile technologies. For 25 years, Qualcomm 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.

2. Experiment Description

This modification to call sign WD2XTZ adds modifies the frequency range to include 2155-2160.

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. Fixed transmitters will be located on 5-10 Qualcomm buildings and mobile devices will be operated within a 20km radius of the fixed sites.

Testing will be conducted with both TDD and FDD systems. For FDD testing, mobiles will operate under a separate experimental license in a different frequency band.

3. Duration

2 years.

4. Test Frequencies and Transmit Power

The following table summarizes the peak power levels for fixed transmitters to be used in the 2160-2180 MHz frequency band.

Unit	Freq (MHz)	# Units	Antenna	Maximum BW (MHz)	Power (EIRP)	Power (ERP)
Fixed	2155-2180	5	OMNI (3 sectors)	20 MHz	57.0 dBm, 500.00 W	54.8 dBm, 303.37 W
Mobile	2155-2180	10	OMNI	20 MHz	24.0 dBm, 0.25 W	21.8 dBm, 0.15 W

5. Fixed Site Locations

Building	Lat	Long	Address	Antenna Height Above Sea Level (m)
L	32 deg 53 min 42.9 sec	117 deg 11 min 43.74 sec	5775 Morehouse Dr San Diego CA, 92121	153
AF	32 deg 53 min 50 sec	117 deg 12 min 05 sec	9950 Barnes Canyon Rd San Diego CA, 92121	124
AA	32 deg 53 min 26 sec	117 deg 13 min 22 sec	10290 Campus Point Dr San Diego CA, 92121	134
R	32 deg 54 min 15 sec	117 deg 12 min 8.34 sec	10185 McKellar Ct San Diego CA, 92121	130
AE	32 deg 54 min 3 sec	117 deg 12 min 31 sec	6965 Lusk Blvd San Diego CA, 92121	140
New Jersey	40 deg 35 min 7 sec	74 deg 37 min 33 sec	500 Somerset Corporate Blvd Bridgewater, NJ 08807	30

Mobile devices will be within a 20km radius of the Qualcomm facilities.