

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. Application Attachments

- 1) Experimental description
- 2) Antenna Information
- 3) Interference analysis parameters – Includes specific information requested correspondences in past 700MHz applications

C. Experimentation Proposal

QUALCOMM currently has multiple experimental licenses authorizing experimental work in the 700 MHz band for its MediaFLO technology.

This experimental application is to support testing of DVB-H development testing on TV channel 52. This frequency has prior approved in STA 0536-EX-ST-2006 but the location (0.9 miles away) and antenna orientation are not suitable for the DVB-H test system. This experimental license will thus add this new technology with an updated antenna location/orientation.

The DVB-H system will transmit from a single building as described in Table 2. When the DVB-H transmitter is operational, MediaFLO transmitters sites under STA 0536-EX-ST-2006 will be disabled. Mobile units are receive only devices.

QUALCOMM has completed a frequency interference analysis with duTreil, Lundin & Rackley, Inc to verify that the DVB-H transmitter does not contribute interference to existing TV stations in the area.

Table 1: Test Frequencies and Locations

Affected TV Channels	TV Channel Frequency Range	Qualcomm Center Frequency	Max BW (MHz)	Qualcomm Low/High Frequencies
52	698-704	701	6	698-704 MHz

Table 2: Transmitter Parameters

Location Name	Lat (N)	Long (W)	Address	Azimuth	RC-AMSL (m)	Down Tilt (degrees)	Antenna Make	Conducted Power (W)	Peak Antenna Gain (dBd)	ERP (W)
Building Q	32 54 10N	117 12 6.55W	6455 Lusk Blvd, San Diego, CA 92121	156	110.3	0	Directional CL-1469B	23.8	8	150