

A. Applicants Qualifications

QCT (www.cdmatech.com), a division of QUALCOMM Incorporated, is a developer and supplier of CDMA chipsets, hardware and software solutions, and tools, with 163 million cumulative shipments of MSM chips worldwide. QCT offers wireless position location technology by SnapTrack™, a wholly owned subsidiary of QUALCOMM. QCT supplies chipsets to the world's leading CDMA handset and infrastructure.

QUALCOMM Incorporated (www.qualcomm.com) is a leader in developing and delivering innovative digital wireless communications products and services based on the Company's CDMA digital technology. The Company's business areas include CDMA chipsets and system software; technology licensing; the BREW applications platform; Eudora® e-mail software; digital cinema systems; and satellite-based systems including portions of the Globalstar™ system and wireless fleet management systems, OmniTRACS® and OmniExpress™. QUALCOMM owns patents that are essential to all of the CDMA wireless telecommunications standards that have been adopted or proposed for adoption by standards-setting bodies worldwide. QUALCOMM has licensed its essential CDMA patent portfolio to more than 100 telecommunications equipment manufacturers worldwide. Headquartered in San Diego, Calif., QUALCOMM is included in the S&P 500 Index and is a 2001 FORTUNE 500® company traded on The Nasdaq Stock Market® under the ticker symbol QCOM.

B. CTIA 2003 Demonstration Proposal

QUALCOMM is complimenting its CDMA developed technology with the emerging WCDMA technology in the development of multi-mode chipsets. From March 16 to March 19, 2003, Qualcomm will conduct a wireless demonstration of WCDMA UMTS and GSM technology during the 2003 CTIA Wireless Trade Show. The CTIA Wireless Trade Show is located at the Ernest N Morial Convention Center, 900 Convention Center, New Orleans, LA.

CTIA has authorized Comsearch to coordinate the UMTS demonstrations in the IMT-2000 band.

Comsearch is not coordinating the EGSM 900 or GSM DCS bands, therefore Qualcomm is seeking an STA from the FCC to conduct the 900 MHz EGSM demonstration.

The demonstration setup will consist of a base station with coaxial cable routed to an antenna located near the demonstration area. The distance between the base station and mobile unit will be less than 100 feet, and the base station power will be -10 dBm EIRP or less. The base station transmitter will operate with one 270 kHz channel located in the

frequency range of 925-960 MHz for the EGSM. A single channel frequency will be selected from the frequency ranges request in this application.

The mobile units transmit in the frequency range of 880-915 MHz at a peak power level of 5 dBm EIRP. The mobile units will use a single channel paired with the base station channel described above.

B. Proposed Frequencies and Radiated Power Levels For EGSM Demonstration

EGSM DL/base

Lower (MHz)	Upper (MHz)	EIRP (dBm)	EIRP mW	ERP mW	Emission Bandwidth
942.27	942.54	-10	0.100	0.061	270 kHz
953	954	-10	0.100	0.061	270 kHz
957	958	-10	0.100	0.061	270 kHz

EGSM UL/mobile

Lower	Upper	EIRP (dBm)	EIRP mW	ERP mW	Emission Bandwidth
897.27	897.54	5	3.16	1.919	270 kHz
908	909	5	3.16	1.919	270 kHz
912	913	5	3.16	1.919	270 kHz

*Note: 45 MHz channel pairing