

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WC2XYF

(Call Sign)

0050-EX-RR-2004

(File Number)

NAME Georgia Institute of Technology

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Georgia Tech Campus plus Various locations as listed in the application, centered around NL 33-47-10; WL 84-23-42
- (2) MOBILE: Georgia Tech Campus plus Various locations as listed in the application, centered around NL 33-47-10; WL 84-23-42

Frequency Information

MOBILE: Georgia Tech Campus plus Various locations as listed in the application, centered around NL 33-47-10; WL 84-23-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2414.685-2455.315 MHz	MO	40M6D7W	2.1 W (ERP)	1 %
2415.45-2454.55 MHz	MO	39M1	2.1 W (ERP)	1 %
2418.75-2451.25 MHz	MO	32M5	2.1 W (ERP)	1 %
2419.375-2450.625 MHz	MO	31M2	2.1 W (ERP)	1 %
2420-2460 MHz	MO	40G0W1X	2.1 W (ERP)	1 %
2422-2448 MHz	MO	26M0	2.1 W (ERP)	1 %
2422.5-2447.5 MHz	MO	25M0	2.1 W (ERP)	1 %
2422.81-2447.19 MHz	MO	24M3	2.1 W (ERP)	1 %
2423.28-2446.72 MHz	MO	23M4	2.1 W (ERP)	1 %
2424.84-2445.16 MHz	MO	20M3	2.1 W (ERP)	1 %
2425.235-2444.765 MHz	MO	19M5	2.1 W (ERP)	1 %
2426.875-2443.125 MHz	MO	16M2	2.1 W (ERP)	1 %
2428.5-2441.5 MHz	MO	13M0	2.1 W (ERP)	1 %
2428.75-2441.25 MHz	MO	12M5	2.1 W (ERP)	1 %

This authorization effective July 01, 2004 and
will expire 3:00 A.M. EST April 01, 2007

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Georgia Tech Campus plus Various locations as listed in the application, centered around NL 33-47-10; WL 84-23-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2429.9-2440.1 MHz	MO	10M2	2.1 W (ERP)	1 %
2430.12-2439.88 MHz	MO	9M75	2.1 W (ERP)	1 %
2430.9375-2439.0625 MHz	MO	8M12	2.1 W (ERP)	1 %
2431.09-2438.91 MHz	MO	7M82	2.1 W (ERP)	1 %
2431.75-2438.25 MHz	MO	6M50	2.1 W (ERP)	1 %
2431.875-2438.125 MHz	MO	6M25	2.1 W (ERP)	1 %
2437.185-2442.815 MHz	MO	15M6	2.1 W (ERP)	1 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2414.685-2455.315 MHz	MO	40G0W1X	2.1 W (ERP)	1 %
2415.45-2454.55 MHz	MO		2.1 W (ERP)	1 %
2418.75-2451.25 MHz	MO		2.1 W (ERP)	1 %
2419.375-2450.625 MHz	MO		2.1 W (ERP)	1 %
2420-2460 MHz	MO		2.1 W (ERP)	1 %
2422-2448 MHz	MO		2.1 W (ERP)	1 %
2422.5-2447.5 MHz	MO		2.1 W (ERP)	1 %
2422.81-2447.19 MHz	MO		2.1 W (ERP)	1 %
2423.28-2446.72 MHz	MO		2.1 W (ERP)	1 %
2424.84-2445.16 MHz	MO		2.1 W (ERP)	1 %
2425.235-2444.765 MHz	MO		2.1 W (ERP)	1 %
2426.875-2443.125 MHz	MO		2.1 W (ERP)	1 %
2428.75-2441.25 MHz	MO		2.1 W (ERP)	1 %
2429.9-2440.1 MHz	MO		2.1 W (ERP)	1 %
2430.12-2439.88 MHz	MO		2.1 W (ERP)	1 %
2430.9375-2439.0625 MHz	MO		2.1 W (ERP)	1 %
2431.09-2438.91 MHz	MO		2.1 W (ERP)	1 %
2431.75-2438.25 MHz	MO		2.1 W (ERP)	1 %
2431.875-2438.125 MHz	MO		2.1 W (ERP)	1 %
2437.185-2442.815 MHz	MO		2.1 W (ERP)	1 %
22428.5-2441.5 MHz	MO		2.1 W (ERP)	1 %

Special Conditions:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.

Special Conditions:

- (2) Licensee is authorized to use various modes of modulation, bandwidth, and data rates. None of these modes of transmission shall extend beyond the band limits set forth above.