

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

EXPERIMENTAL

(Nature of Service)

KE2XKT

(Call Sign)

XD MO

(Class of Station)

0051-EX-ML-2007

(File Number)

NAME Dielectric Communications

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(e) of the Commission's Rules

Station Locations

- (1) MOBILE: Raymond, ME, within 6.5 km, centered around NL 43-55-40; WL 70-29-09
- (2) MOBILE: Raymond (CUMBERLAND), ME, within 6.5 km, centered around NL 43-55-40; WL 70-29-09

Frequency Information

MOBILE: Raymond, ME, within 6.5 km, centered around NL 43-55-40; WL 70-29-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
54-72 MHz	MO	N0N 6M00C3F 6M00F3E	10000 W (ERP)	
76-88 MHz	MO	N0N 6M00C3F 6M00F3E	10000 W (ERP)	
88-108 MHz	MO	N0N	10000 W (ERP)	

This authorization effective April 03, 2008 and
will expire 3:00 A.M. EST April 04, 2010

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COMMISSION**



Frequency Information

MOBILE: Raymond, ME, within 6.5 km, centered around NL 43-55-40; WL 70-29-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
88-108 MHz	MO	200KF3E	10000 W (ERP)	
174-216 MHz	MO	N0N 6M00C3F 6M00F3E	30000 W (ERP)	
406.1-450 MHz	MO	100HA1A	50 W (ERP)	
470-608 MHz	MO	N0N 6M00C3F 6M00F3E	100000 W (ERP)	
540-600 MHz	MO	100HA1A	1000 W (ERP)	
614-806 MHz	MO	N0N 6M00C3F 6M00F3E	100000 W (ERP)	
660-720 MHz	MO	100HA1A	1000 W (ERP)	
760-820 MHz	MO	100HA1A	1000 W (ERP)	
1670-1675 MHz	MO	N0N	100 W (ERP)	

Frequency Information

MOBILE: Raymond, ME, within 6.5 km, centered around NL 43-55-40; WL 70-29-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1860-1910 MHz	MO	100HA1A	1000 kW (ERP)	
2495-2500 MHz	MO	N0N	100 W (ERP)	
5420-5480 MHz	MO	100HA1A	1000 W (ERP)	
5780-5840 MHz	MO	100HA1A	1000 W (ERP)	
6500-6560 MHz	MO	100HA1A	1000 W (ERP)	

MOBILE: Raymond (CUMBERLAND), ME, within 6.5 km, centered around NL 43-55-40; WL 70-29-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
820-960 MHz	MO	N0N	1000 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) This authorization does not include use of the 1910-1930 MHz band which has been designated for unlicensed PCS.

Special Conditions:

- (5) Prior to operation on TV channels 2 through 69 and the FM broadcast band, coordination must take place with any co-channel and adjacent operation in the area.
- (6) There should be No Operation for frequency band 451 MHz to 500 MHz.