Gordon S Eaton, 22 Tower Road, Raymond, ME 04071,

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

EXPERIMENTAL	KE2XKT
(Nature of Service)	(Call Sign)
XT MO	0315-EX-CR-2021
(Class of Station)	(File Number)

NAME Dielectric, LLC

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 August 01, 2021 and
will expire 3:00 A.M. EST August 01, 2026

FEDERAL COMMUNICATIONS 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) This authorization does not include use of the 1910-1930 MHz band which has been designated for unlicensed PCS.

(2) All operations subject to prior coordination with Area Frequency Coordinator Pacific Missile Range, Point Mugu, California: (805) 989-7983.

(3) Licensee must accept interference from others operating in the band and must not cause interference to FirstNet operations or those approved to operate in Band 14 per license (i.e. AT&T testing or public safety entities authorized to operate on Band 14).

Special Conditions:

(4) Licensee POC shall submit a "Stop Buzzer" contact to FirstNet at peter.tomczak@firstnet.gov upon authorization issuance with "kill switch" authority; license POC agrees to immediately cease operations on Band 14 if notified of any interference concerns until any issues are resolved.

(5) Licensee agrees that this license may be subject to further review by the FCC and possible re-coordination with FirstNet.

(6) Licensee must prior coordinate testing with other authorized Band 14 operations. Failure to effectively coordinate shall result in FirstNet seeking immediate suspension of the experimental license by the FCC.

(7) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

(8) 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.

(9) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

(10) There should be No Operation for frequency band 451 MHz to 500 MHz.