

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

EXPERIMENTAL

(Nature of Service)

KO2XAB

(Call Sign)

XR MO

(Class of Station)

0251-EX-RR-2009

(File Number)

NAME Telcordia Technologies, Inc.

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: Nationwide

Frequency Information

MOBILE: Nationwide

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
35.16 MHz	MO	N0N 15K0F2B 16K0F3E	100 W (ERP)	
35.22-35.66 MHz	MO	N0N 16K0F3E 15K0F2B 6K00A2B 6K00A3E	500 W (ERP)	
43.16 MHz	MO	N0N 16K0F3E	100 W (ERP)	

This authorization effective January 25, 2010 and
will expire 3:00 A.M. EST January 25, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Nationwide

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
43.16 MHz	MO	15K0F2B	100 W (ERP)	
43.22-43.66 MHz	MO	N0N 6K00A3E 15K0F2B 16K0F3E 6K00A2B	500 W (ERP)	
152.486 MHz	MO	16K0F3E 10K0F2B 15K0F2B	20 W (ERP)	
152.51-152.81 MHz	MO	N0N 6K00A2B 6K00A3E 15K0F2B 16K0F3E	600 W (ERP)	
152.834 MHz	MO	16K0F3E 10K0F2B 15K0F2B	20 W (ERP)	
152.84 MHz	MO	16K0F3E 15K0F2B 10K0F2B	20 W (ERP)	
157.746 MHz	MO	16K0F3E	20 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.746 MHz	MO	15K0F2B 10K0F2B	20 W (ERP)	
157.77-158.07 MHz	MO	N0N 15K0F2B 16K0F3E 6K00A3E 6K00A2B	600 W (ERP)	
158.094 MHz	MO	10K0F2B 16K0F3E 15K0F2B	20 W (ERP)	
158.1 MHz	MO	10K0F2B 16K0F3E 15K0F2B	20 W (ERP)	
454.375-454.975 MHz	MO	N0N 80K0F3E 80K0F2B 6K00A3E 6K00A2B	600 W (ERP)	
459.375-459.975 MHz	MO	N0N 80K0F3E 80K0F2B 6K00A3E	600 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
459.375-459.975 MHz	MO	6K00A2B	600 W (ERP)	
806-902 MHz	MO	N0N 30K0F7W 30K0F3E 30K0F2B 20M0A7W 30K0F1W 200KF7W 200KF3F 200KF3E	300 W (ERP)	
930 MHz	MO	N0N 30K0F7W 30K0F3E 30K0F2B 5M00A7W 200KF1W 200KF8W 200KF3F 200KF3E	300 W (ERP)	
935-940 MHz	MO	N0N 30K0F7W 30K0F3E 30K0F2B 5M00A7W 200KF1W 200KF8W 200KF3F	300 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
935-940 MHz	MO	200KF3E	300 W (ERP)	
1850-1910 MHz	MO	N0N 20M0A7W 10M0F7B 10M0F3E 10M0F2B 10M0F1B	300 W (ERP)	
1930-1990 MHz	MO	N0N 20M0A7W 10M0F7B 10M0F3E 10M0F2B 10M0F1B	300 W (ERP)	
2110-2130 MHz	MO	N0N 20M0A7W 10M0F7B 10M0F3E 10M0F2B 10M0F1B	300 W (ERP)	
2160-2180 MHz	MO	N0N 20M0A7W 10M0F7B 10M0F3E 10M0F2B 10M0F1B	300 W (ERP)	

Frequency Information

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3700-4200 MHz	MO	N0N 80M0A7W 20M0F7B 20M0F8W 20M0F3E 20M0F2B	300 W (ERP)	
5925-6575 MHz	MO	N0N 30M0F7W 30M0F8W 30M0F3F 30M0F3E 30M0F2B	20 W (ERP)	
10550-10600 MHz	MO	N0N 5M00F7W 5M00F8W	20 W (ERP)	
10700-11700 MHz	MO	N0N 40M0F7W 40M0F8W 40M0F3F 40M0F3E 40M0F2B	50 W (ERP)	
17700-18600 MHz	MO	N0N 220MF7W 220MF3F 220MF2B	20 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
17700-18600 MHz	MO	220MF1B	20 W (ERP)	
18800-19700 MHz	MO	N0N 220MF7W 220MF3F 220MF2B 220MF1B	20 W (ERP)	
21800-22210 MHz	MO	N0N 16M0A8N	10 W (ERP)	
22500-23200 MHz	MO	N0N 16M0A8N	10 W (ERP)	
27500-29500 MHz	MO	N0N 20M0F3E 20M0D8W 60M0F9W 4M00F8W 60M0F3E	300 W (ERP)	
38600-39500 MHz	MO	N0N 20M0F3E 20M0D8W 60M0F9W 4M00F8W 60M0F3E	300 W (ERP)	

Frequency Information

MOBILE: Nationwide

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
40500-42500 MHz	MO	N0N 20M0F3E 20M0D8W 60M0F9W 4M00F8W 60M0F3E	300 W (ERP)	
50400-51400 MHz	MO	N0N 20M0F3E 20M0D8W 60M0F9W 4M00F8W 60M0F3E	300 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) 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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Telcordia Technologies cannot operate on public safety frequencies as defined by Section 90.20 of the Commission's rules, 47 C.F.R. § 90.20.
- (5) NO OPERATION within 80 km of DFRC (355630N 1175312W) without prior coordination with DFRC SMO. Point-of-Contact is Mr. Rich Rood at (661) 276-2138 or email: richard.l.rood@nasa.gov.