

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

5257-EX-RR-1997

EXPERIMENTAL
(Nature of Service)

KO2XAE
(Call Sign)

XR MO
(Class of Station)

5257-EX-RR-1997
(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. 5.202(a) of the Commission's Rules

Station Locations

(1) MOBILE: MOBILE: WITHIN CONTINENTAL UNITED STATES

Frequency Information

MOBILE: MOBILE: WITHIN CONTINENTAL UNITED STATES

Frequency	Station Class	Emission Designator	Authorized Power watts	Tolerance (+/-)
35.16 MHz	MO	20K0F3E	100 (Output Power)	0.01 %
35.22-35.66 MHz	MO	N0N	500 (Output Power)	0.01 %
35.22-35.66 MHz	MO	8K00A2B	500 (Output Power)	0.01 %
35.22-35.66 MHz	MO	8K00R3E	500 (Output Power)	0.01 %
35.22-35.66 MHz	MO	8K00A3E	500 (Output Power)	0.01 %
35.22-35.66 MHz	MO	8K00B3E	500 (Output Power)	0.01 %
35.22-35.66 MHz	MO	36K0F3E	500 (Output Power)	0.01 %
43.16 MHz	MO	20K0F3E	100 (Output Power)	0.01 %
43.22-43.66 MHz	MO	8K00R3E	500 (Output Power)	0.01 %
43.22-43.66 MHz	MO	8K00A2B	500 (Output Power)	0.01 %
43.22-43.66 MHz	MO	36K0F3E	500 (Output Power)	0.01 %
43.22-43.66 MHz	MO	8K00A3E	500 (Output Power)	0.01 %
43.22-43.66 MHz	MO	8K00B3E	500 (Output Power)	0.01 %
43.22-43.66 MHz	MO	N0N	500 (Output Power)	0.01 %
152.486 MHz	MO	16K0F3E	20 (Output Power)	0.005 %
152.486 MHz	MO	10K2F2B	20 (Output Power)	0.005 %
152.486 MHz	MO	15K0F2B	20 (Output Power)	0.005 %
152.51-152.81 MHz	MO	8K00A2B	600 (Output Power)	0.005 %
152.51-152.81 MHz	MO	N0N	600 (Output Power)	0.005 %
152.51-152.81 MHz	MO	40K0F3E	600 (Output Power)	0.005 %

This authorization effective DEC 01, 1997 and will expire 3:00 A.M. EST DEC 01, 1999

**FEDERAL
COMMUNICATIONS
COMMISSION**



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152.51-152.81 MHz	MO	40K0F2B	600 (Output Power)	0.005 %
152.51-152.81 MHz	MO	8K00A3E	600 (Output Power)	0.005 %
152.834 MHz	MO	10K2F2B	20 (Output Power)	0.005 %
152.834 MHz	MO	15K0F2B	20 (Output Power)	0.005 %
152.834 MHz	MO	16K0F3E	20 (Output Power)	0.005 %
157.746 MHz	MO	15K0F2B	20 (Output Power)	0.005 %
157.746 MHz	MO	10K2F2B	20 (Output Power)	0.005 %
157.746 MHz	MO	16K0F3E	20 (Output Power)	0.005 %
157.77-158.07 MHz	MO	40K0F2B	600 (Output Power)	0.005 %
157.77-158.07 MHz	MO	40K0F3E	600 (Output Power)	0.005 %
157.77-158.07 MHz	MO	8K00A3E	600 (Output Power)	0.005 %
157.77-158.07 MHz	MO	N0N	600 (Output Power)	0.005 %
157.77-158.07 MHz	MO	8K00A2B	600 (Output Power)	0.005 %
158.094 MHz	MO	16K0F3E	20 (Output Power)	0.005 %
158.094 MHz	MO	15K0F2B	20 (Output Power)	0.005 %
158.094 MHz	MO	10K2F2B	20 (Output Power)	0.005 %
158.1 MHz	MO	16K0F3E	20 (Output Power)	0.005 %
158.1 MHz	MO	10K2F2B	20 (Output Power)	0.005 %
158.1 MHz	MO	15K0F2B	20 (Output Power)	0.005 %
454.375-454.45 MHz	MO	80K0F3E	600 (Output Power)	0.05 %
454.375-454.45 MHz	MO	8K00A2B	600 (Output Power)	0.05 %
454.375-454.45 MHz	MO	80K0F2B	600 (Output Power)	0.05 %
454.375-454.45 MHz	MO	8K00A3E	600 (Output Power)	0.05 %
454.375-454.45 MHz	MO	N0N	600 (Output Power)	0.05 %
454.45-454.975 MHz	MO	8K00A2B	600 (Output Power)	0.05 %
454.45-454.975 MHz	MO	N0N	600 (Output Power)	0.05 %
454.45-454.975 MHz	MO	8K00A3E	600 (Output Power)	0.05 %
454.45-454.975 MHz	MO	80K0F2B	600 (Output Power)	0.05 %
454.45-454.975 MHz	MO	80K0F3E	600 (Output Power)	0.05 %
459.375-459.45 MHz	MO	80K0F3E	600 (Output Power)	0.05 %
459.375-459.45 MHz	MO	8K00A3E	600 (Output Power)	0.05 %
459.375-459.45 MHz	MO	8K00A2B	600 (Output Power)	0.05 %
459.375-459.45 MHz	MO	N0N	600 (Output Power)	0.05 %
459.375-459.45 MHz	MO	80K0F2B	600 (Output Power)	0.05 %
459.45-459.975 MHz	MO	80K0F3E	600 (Output Power)	0.05 %
459.45-459.975 MHz	MO	80K0F2B	600 (Output Power)	0.05 %
459.45-459.975 MHz	MO	8K00A3E	600 (Output Power)	0.05 %
459.45-459.975 MHz	MO	8K00A2B	600 (Output Power)	0.05 %
459.45-459.975 MHz	MO	N0N	600 (Output Power)	0.05 %
806-890 MHz	MO	80M0A7W	10 (Output Power)	0.05 %
806-890 MHz	MO	8K00A7W	300 (Output Power)	0.05 %
806-890 MHz	MO	8K00J3E	300 (Output Power)	0.05 %
806-890 MHz	MO	8K00R3E	300 (Output Power)	0.05 %
806-890 MHz	MO	30K0F7W	300 (Output Power)	0.05 %

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806-890 MHz	MO	30K0F3E	300 (Output Power)	0.05 %
806-890 MHz	MO	30K0F2B	300 (Output Power)	0.05 %
806-890 MHz	MO	N0N	300 (Output Power)	0.05 %
890-902 MHz	MO	15K0F8W	20 (Output Power)	0.05 %
890-902 MHz	MO	15K0F3F	20 (Output Power)	0.05 %
890-902 MHz	MO	15K0F3E	20 (Output Power)	0.05 %
890-902 MHz	MO	N0N	20 (Output Power)	0.05 %
928-940 MHz	MO	15K0F8W	20 (Output Power)	0.05 %
928-940 MHz	MO	15K0F3F	20 (Output Power)	0.05 %
928-940 MHz	MO	15K0F3E	20 (Output Power)	0.05 %
928-940 MHz	MO	N0N	20 (Output Power)	0.05 %
1850-1910 MHz	MO	10M0F2B	10 (Output Power)	0.05 %
1850-1910 MHz	MO	10M0F1B	10 (Output Power)	0.05 %
1850-1910 MHz	MO	N0N	10 (Output Power)	0.05 %
1850-1910 MHz	MO	80M0A7W	10 (Output Power)	0.05 %
1850-1910 MHz	MO	10M0F7B	10 (Output Power)	0.05 %
1850-1910 MHz	MO	10M0F3E	10 (Output Power)	0.05 %
1930-1990 MHz	MO	10M0F7B	10 (Output Power)	0.05 %
1930-1990 MHz	MO	10M0F2B	10 (Output Power)	0.05 %
1930-1990 MHz	MO	N0N	10 (Output Power)	0.05 %
1930-1990 MHz	MO	10M0F1B	10 (Output Power)	0.05 %
1930-1990 MHz	MO	80M0A7W	10 (Output Power)	0.05 %
1930-1990 MHz	MO	10M0F3E	10 (Output Power)	0.05 %
2110-2130 MHz	MO	10M0F7B	4000 (Output Power)	0.05 %
2110-2130 MHz	MO	10M0F3E	4000 (Output Power)	0.05 %
2110-2130 MHz	MO	10M0F2B	4000 (Output Power)	0.05 %
2110-2130 MHz	MO	10M0F1B	4000 (Output Power)	0.05 %
2110-2130 MHz	MO	N0N	4000 (Output Power)	0.05 %
2160-2180 MHz	MO	10M0F7B	4000 (Output Power)	0.05 %
2160-2180 MHz	MO	10M0F3E	4000 (Output Power)	0.05 %
2160-2180 MHz	MO	10M0F2B	4000 (Output Power)	0.05 %
2160-2180 MHz	MO	10M0F1B	4000 (Output Power)	0.05 %
2160-2180 MHz	MO	N0N	4000 (Output Power)	0.05 %
2400-2483 MHz	MO	1M00G7W	4 (ERP)	0.05 %
3700-4200 MHz	MO	80M0A7W	10 (Output Power)	0.05 %
3700-4200 MHz	MO	20M0B2B	250 (Output Power)	0.05 %
3700-4200 MHz	MO	20M0B8W	250 (Output Power)	0.05 %
3700-4200 MHz	MO	20M0F7B	20 (Output Power)	0.05 %
3700-4200 MHz	MO	20M0F8W	20 (Output Power)	0.05 %
3700-4200 MHz	MO	20M0F3E	20 (Output Power)	0.05 %
3700-4200 MHz	MO	20M0F2B	20 (Output Power)	0.05 %
3700-4200 MHz	MO	N0N	20 (Output Power)	0.05 %
5925-6575 MHz	MO	30M0B8W	250 (Output Power)	0.05 %
5925-6575 MHz	MO	30M0B2B	250 (Output Power)	0.05 %

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5925-6575 MHz	MO	30M0F7W	20 (Output Power)	0.05 %
5925-6575 MHz	MO	30M0F8W	20 (Output Power)	0.05 %
5925-6575 MHz	MO	30M0F3F	20 (Output Power)	0.05 %
5925-6575 MHz	MO	30M0F3E	20 (Output Power)	0.05 %
5925-6575 MHz	MO	30M0F2B	20 (Output Power)	0.05 %
5925-6575 MHz	MO	N0N	20 (Output Power)	0.05 %
10550-10680 MHz	MO	5M00F8W	10 (Output Power)	0.05 %
10550-10680 MHz	MO	N0N	10 (Output Power)	0.05 %
10700-11700 MHz	MO	40M0F7W	50 (Output Power)	0.05 %
10700-11700 MHz	MO	40M0F8W	50 (Output Power)	0.05 %
10700-11700 MHz	MO	40M0F3F	50 (Output Power)	0.05 %
10700-11700 MHz	MO	40M0F3E	50 (Output Power)	0.05 %
10700-11700 MHz	MO	40M0F2B	50 (Output Power)	0.05 %
10700-11700 MHz	MO	N0N	50 (Output Power)	0.05 %
11700-12200 MHz	MO	5M00F8W	10 (Output Power)	0.05 %
11700-12200 MHz	MO	N0N	10 (Output Power)	0.05 %
17700-19300 MHz	MO	700MF8W	20 (Output Power)	0.05 %
17700-19300 MHz	MO	700MF7B	20 (Output Power)	0.05 %
17700-19300 MHz	MO	700MF3E	20 (Output Power)	0.05 %
17700-19300 MHz	MO	700MF2B	20 (Output Power)	0.05 %
17700-19300 MHz	MO	700MF1B	20 (Output Power)	0.05 %
17700-19300 MHz	MO	N0N	20 (Output Power)	0.05 %
17700-19300 MHz	MO	220MF8W	20 (Output Power)	0.05 %
17700-19300 MHz	MO	220MF7W	20 (Output Power)	0.05 %
17700-19300 MHz	MO	220MF3E	20 (Output Power)	0.05 %
17700-19300 MHz	MO	220MF2B	20 (Output Power)	0.05 %
17700-19300 MHz	MO	220MF1B	20 (Output Power)	0.05 %
17700-19300 MHz	MO	N0N	20 (Output Power)	0.05 %
19400-19700 MHz	MO	220MF8W	20 (Output Power)	0.05 %
19400-19700 MHz	MO	220MF7W	20 (Output Power)	0.05 %
19400-19700 MHz	MO	220MF3E	20 (Output Power)	0.05 %
19400-19700 MHz	MO	220MF2B	20 (Output Power)	0.05 %
19400-19700 MHz	MO	220MF1B	20 (Output Power)	0.05 %
19400-19700 MHz	MO	700MF8W	20 (Output Power)	0.05 %
19400-19700 MHz	MO	700MF7B	20 (Output Power)	0.05 %
19400-19700 MHz	MO	700MF3E	20 (Output Power)	0.05 %
19400-19700 MHz	MO	700MF2B	20 (Output Power)	0.05 %
19400-19700 MHz	MO	700MF1B	20 (Output Power)	0.05 %
19400-19700 MHz	MO	N0N	20 (Output Power)	0.05 %
21800-23200 MHz	MO	16M0A8W	10 (Output Power)	0.05 %
21800-23200 MHz	MO	N0N	10 (Output Power)	0.05 %
27500-29500 MHz	MO	20M0F3E	300 (ERP)	0.05 %
27500-29500 MHz	MO	220MD9W	300 (ERP)	0.05 %
27500-29500 MHz	MO	60M0F9W	300 (ERP)	0.05 %

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27500-29500 MHz	MO	4M00F9W	300 (ERP)	0.05 %
27500-29500 MHz	MO	60M0F3E	300 (ERP)	0.05 %
27500-29500 MHz	MO	N0N	300 (ERP)	0.05 %
38600-40000 MHz	MO	50M0F9W	300 (ERP)	0.05 %
38600-40000 MHz	MO	50M0F3E	300 (ERP)	0.05 %
38600-40000 MHz	MO	20M0F3E	300 (ERP)	0.05 %
38600-40000 MHz	MO	4M00F9W	300 (ERP)	0.05 %
38600-40000 MHz	MO	N0N	300 (ERP)	0.05 %

Special Conditions:

- (1) The station identification requirements of Section 5.152 of the Commission's Rules are waived.
- (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) Subject to coordination with the Area Frequency Coordinator located at White Sands Missile Range, New Mexico, prior to use in the State of New Mexico or other U. S. Territory within a 150 mile radius of WSMR plus the area of Utah and Colorado that lies South of 41 degrees North and between 108 degrees and 111 degrees West. Phone: 505-678-5417 or 3702.
- (4) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (5) Transmissions in the 3700-4200 MHz band shall be based on prior coordination with existing earth station licensees located within the coordination distance contours.
- (6) All operation on Common Carrier frequencies is subject to prior coordination with authorized independent or MCC users in operational area.
- (7) Operation on 454.375-454.45 and 459.375-459.45 MHz is limited to an output power of 250 watts.
- (8) Any operation in the 27.5 - 29.5 GHz band must be in accordance with the rules in the Final Report and Order in CC Docket 92-297, released July 22, 1996.
- (9) Operation in the 824-849, 869-894, 901-902, 930-931, or 940-941 MHz bands requires consent of cellular and PCS licensees to avoid interference.
- (10) Operation in the 896-901 or 935-940 MHz bands requires coordination with local SMR licensees to avoid interference.
- (11) To avoid harmful interference to Gateway receive Earth stations in the Mobile-Satellite Service (MSS) using Non-Geostationary Satellite Orbits (NGSO) in the frequency range 19.3 - 19.7 GHz, sufficient distance shall be maintained between the experimental t
- (12) To avoid harmful interference to receiving space stations in the Mobile-Satellite Service (MSS) using Non-Geostationary Satellite Orbits (NGSO) in the frequency range 29.1 - 29.5 GHz, sufficient angular separation shall be maintained between the experiment



**Formerly Bellcore...
Performance from Experience**

Michael J. Knapp.
Executive Director –
Federal and State Regulatory Relations
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Washington, DC 20006
202-776-5454
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March 10, 1999

Mr. Paul Marrangoni
Experimental Licensing Branch
2000 M Street, NW, Suite 230
Mailstop: 1300E1
Washington, DC 20554

Dear Mr. Marrangoni:

On March 9, 1999, Bellcore announced that we had changed our name to Telcordia Technologies, Inc. This change was required as part of our sale from the RBOCs to SAIC in 1997. There is no corporate structure or ownership change or transfer of stock or any funds related to this announcement. Bellcore has five (5) Part 5 experimental radio licenses that need to be changed to Telcordia Technologies. Therefore, would you please change the name on all of our Part 5 radio licenses to reflect this change. Our licenses are:

KE2XBK KO2XAB KO2XAD KO2XAE KB2XLA.

In addition please note the mailing address for the licenses has change. The new address is:

Mike Knapp
Executive Director – Federal and State Relations
Telcordia Technologies, Inc.
2020 K Street, NW, Suite 400
Washington, DC 20006

Should you have any questions relating to this change, please feel free to call me on (202) 776-5454.

Sincerely,