



December 01, 1994

## EXHIBIT A

Federal Communications Commission  
Washington DC 20554

REFERENCE: Application/modification/reinstatement for  
Experimental Authorization  
File No. 1933-EX-PL-91

Please note that the **corporate name has changed** since the last authorization.

The authorization resulting from this application/modification/reinstatement will be used by the applicant for designing, developing and testing its antenna products and accessories in the frequency bands requested in accordance with Part 5, Subpart E of the Commission's Rules.

Such data as power handling capacity, near field characteristics, effects on and to nearby objects and other parameters not readily determinable by conventional laboratory methods will continue to be possible.

Testing will generally be done indoors at or near ground level (within 6 meters of the ground) and in a horizontal position. The ability to make such tests under power conditions allows the design and future manufacture of more efficient, space-saving and economical products for trunking, cellular, PCN/PCS and other uses. Testing on a secondary non-interfering basis as well as compliance with applicable FCC Rules is understood.

**ANTI-DRUG ABUSE STATEMENT:**

I am not in denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-drug Abuse Act of 1988 21USC862, or, in the case of a non-individual applicant, no party to the applicant is subject to a denial of federal benefits that includes FCC benefits, pursuant to Section 5301 of the Anti-drug Abuse Act of 1988 21USC862.

THE ALLEN TELECOM GROUP INC



Marvin S. Grossman  
Communications Manager

**A/S MOBILE • DECIBEL PRODUCTS • A/S SITE PRODUCTS  
ALLEN TELECOM SYSTEMS • GRAYSON ELECTRONICS**

are divisions of the Allen Telecom Group Inc.

MSG:msg  
FCCEXP1-1

30500 Bruce Industrial Parkway • Cleveland, Ohio 44139-3996 U.S.A.  
216-349-8695 • FAX 216-349-8692

FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL RADIOSTATION  
LICENSE

EXHIBIT B

EXPERIMENTAL  
(Nature of Service)

K O 2 X G J  
(Call Sign)

XD FX  
(Class of station)

1933-EX-PL-91  
(File number)

NAME ORION INDUSTRIES, INC.

Solon (Cuyahoga) Ohio - Lat. 41 22 40 N; Long. 81 27 40 W.  
(Location of station)

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.

Frequency (kHz)	Authorized Power (kW)	Emission Designator
25010-25070	5 (ERP)	16KF3E
25210-25330	5 (ERP)	16KF3E
26175-26480	5 (ERP)	16KF3E
29700-29890	5 (ERP)	16KF3E
29910-30000	5 (ERP)	16KF3E
30.56-32.0 MHz	5 (ERP)	16KF3E
33 - 34 MHz	5 (ERP)	16KF3E
35 - 36 MHz	5 (ERP)	16KF3E
37 - 37.5 MHz	5 (ERP)	16KF3E
39 - 40 MHz	5 (ERP)	16KF3E
42 - 46.6 MHz	5 (ERP)	16KF3E
47 - 49.6 MHz	5 (ERP)	16KF3E
150.8-156.25 MHz	10 (ERP)	16KF3E
173.2-173.4 MHz	10 (ERP)	16KF3E
450-512 MHz	10 (ERP)	16KF3E
806-960 MHz	5 (ERP)	16KF3E
1850-1990 MHz	5 (ERP)	16KF3E

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

Operation: In accordance with Sec. 5.202(i) of the Commission's Rules.

This authorization effective February 27, 1992 and will expire 3:00 A.M. EST July 1, 1994

FEDERAL  
COMMUNICATIONS  
COMMISSION

December 1, 1994

**EXHIBIT C**

**Test Report Summary in Compliance with Section 5.204 for  
Experimental Radio Station K02XGJ**

<b><u>DATE</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>DURATION</u></b>	<b><u>POWER</u></b>
07 AUG 1992	450.0 MHz On-Glass Antenna Testing	30 minutes	100 W
19 AUG 1992	871.92 and 891.24 MHz Base Station IM Test	10 minutes	45 W per CH.
20 AUG 1992	871.92 and 891.24 MHz Base Station IM Test	10 minutes	45 W per CH.
24 AUG 1992	871.92 and 891.24 MHz Base Station IM Test	10 minutes	45 W per CH.
28 AUG 1992	871.92 and 891.24 MHz Base Station IM Test	10 minutes	45 W per CH.
29 AUG 1992	871.92 and 891.24 MHz Base Station IM Test	10 minutes	45 W per CH.
24 SEP 1993	821.9 MHz 860.0 MHz On-Glass Antenna Testing	30 minutes 30 minutes	35 W 100 W
23 DEC 1993	445.0 MHz On-Glass Antenna Testing	10 minutes	80 W
03 JAN 1994	445.0 MHz On-Glass Antenna Testing	10 minutes 5 minutes 10 minutes	30 W 40 W 50 W
04 JAN 1994	445.0 MHz On-Glass Antenna Testing	5 minutes 25 minutes	30 W 30 W
05 JAN 1994	445.0 MHz On-Glass Antenna Testing	25 minutes	50 W

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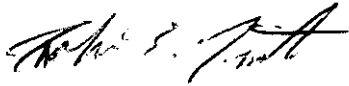
**EXHIBIT C**

**Test Report Summary in Compliance with Section 5.204 for**  
**Experimental Radio Station KO2XGJ**  
(Continued)

<b><u>DATE</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>DURATION</u></b>	<b><u>POWER</u></b>
06 JAN 1994	445.0 MHz On-Glass Antenna Testing	25 minutes	50 W
20 JAN 1994	830.0 MHz Directional Base Station Antenna Testing	30 minutes	30 W

**Environmental Impact Statement**

Applicant claims exclusion from the provision based upon the service being " Land Mobile ".



Robert E. Truthan  
Antenna Engineer

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