

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

KA2XYP

(Call Sign)

0073-EX-RR-2003

(File Number)

NAME RAYTHEON SERVICE COMPANY

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: Vicinity of Pt. Mugu Naval Test Center; Oxnard, CA, centered around NL 34-06-46; WL 119-07-18
- (2) MOBILE: Vicinity of Nellis AFB, NV, centered around NL 36-14-11; WL 115-20-03
- (3) MOBILE: Vicinity of Tyndall AFB, FL, centered around NL 30-04-08; WL 85-35-05
- (4) MOBILE: Vicinity of Eglin Air Force Test Center, FL, centered around NL 30-31-19; WL 86-19-02
- (5) MOBILE: Vicinity of Naval Ocean Systems Center; San Diego, CA, centered around NL 32-42-12; WL 117-15-15
- (6) MOBILE: Vicinity of Culver City, CA, centered around NL 33-58-56; WL 118-24-37
- (7) MOBILE: Vicinity of Malibu, CA, centered around NL 34-02-30; WL 118-42-00
- (8) MOBILE: Vicinity of Canoga Park, CA, centered around NL 34-13-24; WL 118-37-32
- (9) MOBILE: Vicinity of Fullerton, CA, centered around NL 33-52-53; WL 117-57-49
- (10) MOBILE: Vicinity of El Segundo, CA, centered around NL 33-55-48; WL 116-23-25
- (11) MOBILE: Vicinity of Edwards AFB, CA, centered around NL 35-55-00; WL 117-52-00

Frequency Information

MOBILE: Vicinity of Pt. Mugu Naval Test Center; Oxnard, CA, centered around NL 34-06-46; WL 119-07-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7000-7125 MHz	MO	80M0P0N	2 MW (ERP)	
8500-9000 MHz	MO	80M0P0N	2 MW (ERP)	
9200-10000 MHz	MO	80M0P0N	2 MW (ERP)	

This authorization effective May 01, 2003 and
will expire 3:00 A.M. EST May 01, 2008

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Vicinity of Nellis AFB, NV, centered around NL 36-14-11; WL 115-20-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7000-7125 MHz	MO	80M0P0N	2 MW (ERP)	
8500-9000 MHz	MO	80M0P0N	2 MW (ERP)	
9200-10000 MHz	MO	80M0P0N	2 MW (ERP)	

MOBILE: Vicinity of Tyndall AFB, FL, centered around NL 30-04-08; WL 85-35-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7000-7125 MHz	MO	80M0P0N	2 MW (ERP)	
8500-9000 MHz	MO	80M0P0N	2 MW (ERP)	
9200-10000 MHz	MO	80M0P0N	2 MW (ERP)	

MOBILE: Vicinity of Eglin Air Force Test Center, FL, centered around NL 30-31-19; WL 86-19-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7000-7125 MHz	MO	80M0P0N	2 MW (ERP)	
8500-9000 MHz	MO	80M0P0N	2 MW (ERP)	
9200-10000 MHz	MO	80M0P0N	2 MW (ERP)	

MOBILE: Vicinity of Naval Ocean Systems Center; San Diego, CA, centered around NL 32-42-12; WL 117-15-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7000-7125 MHz	MO	80M0P0N	2 MW (ERP)	
8500-9000 MHz	MO	80M0P0N	2 MW (ERP)	
9200-10000 MHz	MO	80M0P0N	2 MW (ERP)	

MOBILE: Vicinity of Culver City, CA, centered around NL 33-58-56; WL 118-24-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7000-7125 MHz	MO	80M0P0N	2 MW (ERP)	
8500-9000 MHz	MO	80M0P0N	2 MW (ERP)	
9200-10000 MHz	MO	80M0P0N	2 MW (ERP)	

Frequency Information

MOBILE: Vicinity of Malibu, CA, centered around NL 34-02-30; WL 118-42-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7000-7125 MHz	MO	80M0P0N	2 MW (ERP)	
8500-9000 MHz	MO	80M0P0N	2 MW (ERP)	
9200-10000 MHz	MO	80M0P0N	2 MW (ERP)	

MOBILE: Vicinity of Canoga Park, CA, centered around NL 34-13-24; WL 118-37-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7000-7125 MHz	MO	80M0P0N	2 MW (ERP)	
8500-9000 MHz	MO	80M0P0N	2 MW (ERP)	
9200-10000 MHz	MO	80M0P0N	2 MW (ERP)	

MOBILE: Vicinity of Fullerton, CA, centered around NL 33-52-53; WL 117-57-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7000-7125 MHz	MO	80M0P0N	2 MW (ERP)	
8500-9000 MHz	MO	80M0P0N	2 MW (ERP)	
9200-10000 MHz	MO	80M0P0N	2 MW (ERP)	

MOBILE: Vicinity of El Segundo, CA, centered around NL 33-55-48; WL 116-23-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7000-7125 MHz	MO	80M0P0N	2 MW (ERP)	
8500-9000 MHz	MO	80M0P0N	2 MW (ERP)	
9200-10000 MHz	MO	80M0P0N	2 MW (ERP)	

MOBILE: Vicinity of Edwards AFB, CA, centered around NL 35-55-00; WL 117-52-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7000-7125 MHz	MO	80M0P0N	2 MW (ERP)	
8500-9000 MHz	MO	80M0P0N	2 MW (ERP)	
9200-10000 MHz	MO	80M0P0N	2 MW (ERP)	

Special Conditions:

(1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not

(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.