

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WA9XDC

(Call Sign)

0260-EX-ST-2005

(File Number)

NAME RAYTHEON Electronics Systems

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Test and development of antennas.

Station Locations

- (1) El Segundo (LOS ANGELES), CA - NL 33-55-44; WL 118-23-20
- (2) El Segundo, CA - NL 33-55-47; WL 118-23-34

Frequency Information

El Segundo (LOS ANGELES), CA - NL 33-55-44; WL 118-23-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8000-9000 MHz	FX	N0N	8 W (ERP)	
9200-10680 MHz	FX	N0N	8 W (ERP)	
10700-12400 MHz	FX	N0N	8 W (ERP)	

This authorization effective June 20, 2005 and
will expire 3:00 A.M. EST December 21, 2005

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

El Segundo (LOS ANGELES), CA - NL 33-55-44; WL 118-23-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12400-15350 MHz	FX	N0N	16 W (ERP)	
15400-18000 MHz	FX	N0N	16 W (ERP)	
18000-23600 MHz	FX	N0N	2 W (ERP)	
24000-26500 MHz	FX	N0N	2 W (ERP)	
26500-31300 MHz	FX	N0N	5 W (ERP)	
31800-40000 MHz	FX	N0N	5 W (ERP)	
40000-51400 MHz	FX	N0N	1 mW (ERP)	
54250-60000 MHz	FX	N0N	1 mW (ERP)	

El Segundo, CA - NL 33-55-47; WL 118-23-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
100-108 MHz	FX	N0N	6.3 mW (ERP)	

Frequency Information

El Segundo, CA - NL 33-55-47; WL 118-23-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138-144 MHz	FX	N0N	6.3 mW (ERP)	
148-328.6 MHz	FX	N0N	6.3 mW (ERP)	
335.4-406 MHz	FX	N0N	6.3 mW (ERP)	
410-500 MHz	FX	N0N	6.3 mW (ERP)	
500-608 MHz	FX	N0N	8.2 mW (ERP)	
614-960 MHz	FX	N0N	8.2 mW (ERP)	
1215-1400 MHz	FX	N0N	8.2 mW (ERP)	
1427-1544 MHz	FX	N0N	8.2 mW (ERP)	
1545-1645.5 MHz	FX	N0N	8.2 mW (ERP)	
1646.5-1660.5 MHz	FX	N0N	8.2 mW (ERP)	

Frequency Information

El Segundo, CA - NL 33-55-47; WL 118-23-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-2000 MHz	FX	N0N	8.2 mW (ERP)	
2000-2690 MHz	FX	N0N	63.1 mW (ERP)	
2900-4200 MHz	FX	N0N	63.1 mW (ERP)	
4400-4990 MHz	FX	N0N	63.1 mW (ERP)	
5190-6000 MHz	FX	N0N	63.1 mW (ERP)	
6000-8000 MHz	FX	N0N	162 mW (ERP)	
8000-9000 MHz	FX	N0N	295 mW (ERP)	
9200-10680 MHz	FX	N0N	295 mW (ERP)	
10700-12400 MHz	FX	N0N	295 mW (ERP)	
12400-15350 MHz	FX	N0N	295 mW (ERP)	

Frequency Information

El Segundo, CA - NL 33-55-47; WL 118-23-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15400-23600 MHz	FX	N0N	295 mW (ERP)	
24000-31300 MHz	FX	N0N	295 mW (ERP)	
31800-51400 MHz	FX	N0N	295 mW (ERP)	
54250-60000 MHz	FX	N0N	295 mW (ERP)	

Special Conditions:

- (1) All operations subject to prior coordination with Area Frequency Coordinator Pacific Missile Range, Point Mugu, California: (805) 989-7983.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) NO TRANSMISSIONS ARE PERMITTED ON 156.8 AND 243 MHZ.