

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WH9XYS

(Call Sign)

0971-EX-ST-2014

(File Number)

NAME Raytheon IDS

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:

To test prototype radar arrays.

Station Locations

(1) Longmont (BOULDER), CO - NL 40-07-58; WL 105-14-42

Frequency Information

Longmont (BOULDER), CO - NL 40-07-58; WL 105-14-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9-9.2 GHz	FX	4M70Q3N 7M10Q3N	954 kW (ERP)	
9.3-9.5 GHz	FX	4M70Q3N 7M10Q3N	954 kW (ERP)	
9.55-9.65 GHz	FX	4M70Q3N	954 kW (ERP)	

This authorization effective November 17, 2014 and
will expire 3:00 A.M. EST May 18, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Longmont (BOULDER), CO - NL 40-07-58; WL 105-14-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.55-9.65 GHz	FX	7M10Q3N	954 kW (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) Approval of this testing does not constitute FAA endorsement of this system nor its development. Raytheon must brief FAA Spectrum Engineering Services on the X-Band Low Power Radar prior to any further development or SPS Stage 1 submission.
Also, FAA Spectrum support does not include a Ground Based Sense and Avoid (GBSAA) function on this equipment. Finally, if this system is being developed for within the FAA National Airspace System (NAS), then any SPS submission must be reviewed and sent by FAA Spectrum Engineering Services.
- (4) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization Under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.