

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

EXPERIMENTAL

(Nature of Service)

WE9XWS

(Call Sign)

XD MO

(Class of Station)

0247-EX-ST-2011

(File Number)

NAME Raytheon Company

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:

Raytheon needs the STA to conduct ground and airborne test and evaluation of design modifications and mode implementations to the APY-10 Radar.

Station Locations

- (1) MOBILE: Sherman (GRAYSON), TX, within 322 km, centered around NL 33-37-06; WL 96-36-35

Frequency Information

MOBILE: Sherman (GRAYSON), TX, within 322 km, centered around NL 33-37-06; WL 96-36-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9350-10150 MHz	MO	10M0Q3N	60.8 MW (ERP)	
		117MQ3N		
		537MQ3N		
		607MQ3N		
		650MQ3N		
		7M03P0N		

This authorization effective July 01, 2011 and
will expire 3:00 A.M. EST December 31, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) The designated point-of-contact to terminate transmissions if interference occurs is Mr. David Towson 972-952-2828.
- (5) Per US58, pulsed emissions are prohibited in the 10 GHz thru 10.5 GHz band. Pulsed emissions for this test and evaluation are restricted to 9350 MHz thru 10000 MHz (9.350 GHz thru 10 GHz).
- (6) The associated IFF system (1030 MHz transmitter) may not be used under any circumstances and that a separate license for such a system will not be approved.