

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

EXPERIMENTAL

(Nature of Service)

WL9XSS

(Call Sign)

XT MO

(Class of Station)

1143-EX-ST-2017

(File Number)

NAME Raythen SAS

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:

The purpose of the operation is to demonstrate, confirm and document the radar performance.

Station Locations

(1) MOBILE: USA. Please See Attachment

Frequency Information

MOBILE: USA. Please See Attachment

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.5-9 GHz	MO	25M0Q3N	20 MW (ERP)	
		78M2Q3N		
		161MQ3N		
		238MQ3N		
		353MQ3N		
		478MQ3N		

This authorization effective October 13, 2017 and
will expire 3:00 A.M. EST November 03, 2017

**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) Raytheon SAS must notch out the following: 8355 MHz in the Table Mountain and Bald Mountain, CO, area, as well as 8425 MHz in the Pasadena, CA area.
- (4) Raytheon SAS shall coordinate all transmissions with the NASA JPL Spectrum Management Office POC Feiming Morgan at 818.354.9251, Feiming.morgan@jpl.nasa.gov, in order to prevent mutual interference and potential equipment damage resulting from the requested operations and the operations of the NASA Goldstone Solar System Radar (GSSR) in Pasadena, CA.