

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

EXPERIMENTAL

(Nature of Service)

WL9XOT

(Call Sign)

XT FX

(Class of Station)

1081-EX-ST-2017

(File Number)

NAME The Boeing 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:

Required to support shielding effectiveness testing.

Station Locations

(1) Victorville, CA - NL 34-35-16; WL 117-22-31

Frequency Information

Victorville, CA - NL 34-35-16; WL 117-22-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-18000 MHz	FX	1K00N0N	10 uW (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.

This authorization effective October 01, 2017 and
will expire 3:00 A.M. EST March 31, 2018

**FEDERAL
COMMUNICATIONS
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Special Conditions:

- (3) The Boeing Company must obtain consents from the Advance Wireless Service, Educational Broadband Service and Broadband Radio Service licensees prior to operation.
- (4) The applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator and the Fixed Microwave service licensees.
- (5) Maintain operation separation from the grandfathered earth stations as defined in Part 90, Sub-part Z, or coordinate an agreement with the grandfathered earth station licensees prior to accessing to 3650-3700 MHz.
- (6) Ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed geographic area.
- (7) The applicant must obtain consents of the following within 50 miles of the test area:
 - oAll 700 MHz licensees (698-758 MHz; 775-788 MHz)
 - oAll Cellular licensees (824-849 MHz/869-894 MHz)
 - oCommercial Air-Ground licensee (849-851 MHz/894-896 MHz)
 - oSMR licensees (809-824 MHz/854-869 MHz)
 - oSMR licensees (896-901 MHz/935-940 MHz)
 - oAll Broadband PCS licensee (1850-1910 MHz/1930-1990 MHz)
 - oAll WCS licensees (2305-2320 MHz/2345-2360 MHz)
 - oAFTRCC 2360-2390 MHz
- (8) The grant on "notification" of the following within 50 miles of the test area:
 - oNarrowband PCS licensees (901-902 MHz)
 - oLocation & Monitoring Service licensees (902-928 MHz)
 - oAll services in 220 MHz
 - o218-219 MHz Service
 - o220-222 MHz Service
 - oPaging Service licensees in 35 MHz, 43 MHz, 152 MHz, 158 MHz, 152 MHz/158 MHz and 454 MHz/459 MHz
 - oGeneral Aviation Air-Ground Service in 454 MHz/459 MHz
 - o1390-92 MHz Band Licensees
 - o1392-1395 MHz/1432-1435 MHz Band licensees
 - o1670-1675 MHz Band licensee (Crown Castle International,) and the lessee (Ligado Networks)
- (9) The Boeing Company must notch out the 406-406.1MHz frequency band.
- (10) The Boeing Company must notch out the following frequencies +/- 8KHz:
 - M156.525, M156.8, M161.975, M162.025, M243
- (11) The Boeing Company must notch out the following frequencies +/- 12.5 KHz:
 - M237.9, M326.15, M345, M379.05
- (12) The Boeing Company must notch out the following frequencies +/- 5.5 KHz:
 - M149.2, M150.7, M153.83, M153.95, M154.025, M154.235, M154.265, M154.28, M154.295, M154.62, M155.475, M156.075
- (13) The Boeing Company must notch out the following frequency bands: 74.6-75.4 MHz, 108-137 MHz, 328.6-335.4 MHz, 960-1370 MHz, 1559-1610 MHz, 2700-2900 MHz, 5030-5150 MHz, 9000-9200 MHz.
- (14) The Boeing Company must coordinate operations with the Western Area Frequency Coordinator.

Special Conditions:

- (15) The Boeing Company agrees that project limited to testing, experimentation or trial and may not involve live first responders or others to protect life, property, or safety.
- (16) The Boeing Company agrees that any press release to be issued regarding the STA/EL, surrounding demonstration, or use of Band 14 spectrum relating to the STA/EL must be coordinated with and receive written signoff from FirstNet prior to release (POCs: ryan.oremland@firstnet.gov and peter.tomczak@firstnet.gov).
- (17) The Boeing Company certifies that the Governor-appointed FirstNet Single Point of Contact within the propo has been notified of STA application (contact information available at www.firstnet.gov).
- (18) The Boeing Company must accept interference from any other user of Band 14 and must coordinate authorized Band 14 STAs/ELs. Failure to effectively coordinate shall result in immediate time, as determined by FirstNet, that project may continue.
- (19) The Boeing Company must not cause interference to FirstNet operations or those approved to operate on Band 14 (i.e., AT&T testing or public safety entities licensed to operate on Band 14). Failure to effectively coordinate with FirstNet requesting that the FCC immediately suspend the STA. Reinstitution of the STA with FirstNet.
- (20) The Boeing Company certifies that it has verified with reasonable supporting detail no current potential for interference with FirstNet operations or those approved to operate in Band 14 per STA/EL or license (i.e., to operate on Band 14).
- (21) POC must be established and sent to FirstNet upon STA approval with "kill switch" at which time the licensee must immediately cease operations as directed by FirstNet upon receipt (in any form and format) of the kill switch POC until such time, as determined by FirstNet, that project may continue.
- (22) The Boeing Company must coordinate with other users as necessary to minimize interference.
- (23) Operation is subject to prior coordination with AFTRCC.