

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WR9XMH

(Call Sign)

1863-EX-ST-2020

(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:

The purpose of this procedure is to perform check out of the Japan 767 MCU modification of ESM hardware/software.

Station Locations

(1) San Antonio (BEXAR), TX - NL 29-22-10; WL 98-34-07

Frequency Information

San Antonio (BEXAR), TX - NL 29-22-10; WL 98-34-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500 MHz	FX	10M0P0N	1 W (ERP)	
550 MHz	FX	10M0P0N	1 W (ERP)	
600 MHz	FX	10M0P0N	1 W (ERP)	

This authorization effective February 01, 2021 and
will expire 3:00 A.M. EST August 02, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

San Antonio (BEXAR), TX - NL 29-22-10; WL 98-34-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
650 MHz	FX	10M0P0N	1 W (ERP)	
700 MHz	FX	10M0P0N	1 W (ERP)	
750 MHz	FX	10M0P0N	1 W (ERP)	
800 MHz	FX	10M0P0N	1 W (ERP)	
850 MHz	FX	10M0P0N	1 W (ERP)	
918 MHz	FX	10M0P0N	1 W (ERP)	
950 MHz	FX	10M0P0N	1 W (ERP)	
1287 MHz	FX	10M0P0N	1 W (ERP)	
1337 MHz	FX	10M0P0N	1 W (ERP)	
1545 MHz	FX	10M0P0N	1 W (ERP)	

Frequency Information

San Antonio (BEXAR), TX - NL 29-22-10; WL 98-34-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1640 MHz	FX	10M0P0N	1 W (ERP)	
1740 MHz	FX	10M0P0N	1 W (ERP)	
1845 MHz	FX	10M0P0N	1 W (ERP)	
1995 MHz	FX	10M0P0N	1 W (ERP)	
2036 MHz	FX	10M0P0N	1 W (ERP)	
3000.5 MHz	FX	10M0P0N	1 W (ERP)	
3161 MHz	FX	10M0P0N	1 W (ERP)	
3170-3240 MHz	FX	10M0P0N	1 W (ERP)	
3386 MHz	FX	10M0P0N	1 W (ERP)	
4430 MHz	FX	10M0P0N	1 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4950 MHz	FX	10M0P0N	1 W (ERP)	
5300 MHz	FX	10M0P0N	1 W (ERP)	
5310 MHz	FX	10M0P0N	1 W (ERP)	
5340 MHz	FX	10M0N0N	1 W (ERP)	
5370 MHz	FX	10M0P0N	1 W (ERP)	
5400 MHz	FX	10M0P0N	1 W (ERP)	
5430 MHz	FX	10M0P0N	1 W (ERP)	
5460 MHz	FX	10M0P0N	1 W (ERP)	
5490 MHz	FX	10M0P0N	1 W (ERP)	
5520 MHz	FX	10M0P0N	1 W (ERP)	

Frequency Information

San Antonio (BEXAR), TX - NL 29-22-10; WL 98-34-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5550 MHz	FX	10M0P0N	1 W (ERP)	
5560 MHz	FX	10M0P0N	1 W (ERP)	
5600 MHz	FX	10M0P0N	1 W (ERP)	
5610 MHz	FX	10M0P0N	1 W (ERP)	
5640 MHz	FX	10M0P0N	1 W (ERP)	
5880 MHz	FX	10M0P0N	1 W (ERP)	
8600 MHz	FX	10M0P0N	1 W (ERP)	
9300 MHz	FX	10M0P0N	1 W (ERP)	
9605-9811.4 MHz	FX	10M0P0N	1 W (ERP)	
9812.8 MHz	FX	10M0P0N	1 W (ERP)	

Frequency Information

San Antonio (BEXAR), TX - NL 29-22-10; WL 98-34-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13780.5 MHz	FX	10M0N0N	1 W (ERP)	
15035 MHz	FX	10M0P0N	1 W (ERP)	
16772 MHz	FX	10M0P0N	1 W (ERP)	
17909-18005 MHz	FX	10M0P0N	1 W (ERP)	

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 designated point-of-contact to terminate the systems if interference occurs is James Papon at 425-234-9122.
- (4) The applicant must obtain consents from the Advanced Wireless Service licensees in the proposed area prior to accessing to the frequency bands centered at 1740 MHz and 1995 MHz.
- (5) The applicant must obtain consents from the Upper Microwave Flexible Use Service licensees in the proposed area prior to accessing to the frequency bands centered at 650 MHz.
- (6) The applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in the frequency bands centered at 500 MHz, 550 MHz, 600 MHz, 650 MHz, 950 MHz, 2036 MHz, and 17909-18005 MHz.
- (7) The applicant must coordinate with Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to operation in frequency bands centered at 950 MHz, and 17909-18005 MHz.
- (8) Stop buzzer, Ken Gilliam at (425)569-9351.

Special Conditions:

- (9) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
- 700 MHz Lower Band licensees (698-746 MHz)
 - 700 MHz Upper Band licensees (746-758 MHz and 775-788 MHz)
 - SMR licensees (809-824 MHz/854-869 MHz)
 - Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
 - Location & Monitoring Service licensees (902-928 MHz)
- (10) The Boeing Company must notch out 1200 MHz and 1560 MHz in order to protect ongoing federal operations.