

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

EXPERIMENTAL
(Nature of Service)

WL9XAO
(Call Sign)

XT FX MO
(Class of Station)

1381-EX-ST-2018
(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:

To conduct testing of modified equipment to ensure shielding remains unaffected.

Station Locations

- (1) Ridley Park (DELAWARE), PA - NL 39-51-36; WL 75-19-15; MOBILE: Within compounds of Boeing facility, Ridley Park, PA, centered around NL 39-51-36; WL 75-19-15
- (2) Middletown (NEW CASTLE), DE - NL 39-31-13; WL 75-43-17; MOBILE: Within compounds of Summit facility, Middletown, DE, centered around NL 39-31-13; WL 75-43-17

Frequency Information

Ridley Park (DELAWARE), PA - NL 39-51-36; WL 75-19-15; MOBILE: Within compounds of Boeing facility, Ridley Park, PA, c

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2 MHz	MO	3K00A3E	100 W (ERP)	
3.821 MHz	MO	3K00A3E	100 W (ERP)	

This authorization effective October 02, 2018 and
will expire 3:00 A.M. EST April 02, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Ridley Park (DELAWARE), PA - NL 39-51-36; WL 75-19-15; MOBILE: Within compounds of Boeing facility, Ridley Park, PA, c

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4 MHz	MO	3K00A3E	100 W (ERP)	
5.775 MHz	MO	3K00A3E	100 W (ERP)	
7 MHz	MO	3K00A3E	100 W (ERP)	
8 MHz	MO	3K00A3E	100 W (ERP)	
9 MHz	MO	3K00A3E	100 W (ERP)	
10.5 MHz	MO	3K00A3E	100 W (ERP)	
11 MHz	MO	3K00A3E	100 W (ERP)	
13 MHz	MO	3K00A3E	100 W (ERP)	
13.922 MHz	MO	3K00A3E	100 W (ERP)	
14 MHz	MO	3K00A3E	100 W (ERP)	

Frequency Information

Ridley Park (DELAWARE), PA - NL 39-51-36; WL 75-19-15; MOBILE: Within compounds of Boeing facility, Ridley Park, PA, c

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16 MHz	MO	3K00A3E	100 W (ERP)	
17 MHz	MO	3K00A3E	100 W (ERP)	
18 MHz	MO	3K00A3E	100 W (ERP)	
20.5 MHz	MO	3K00A3E	100 W (ERP)	
21 MHz	MO	3K00A3E	100 W (ERP)	
22 MHz	MO	3K00A3E	100 W (ERP)	
23 MHz	MO	3K00A3E	100 W (ERP)	
24 MHz	MO	3K00A3E	100 W (ERP)	
25.5 MHz	MO	3K00A3E	100 W (ERP)	
27 MHz	MO	3K00A3E	100 W (ERP)	

Frequency Information

Ridley Park (DELAWARE), PA - NL 39-51-36; WL 75-19-15; MOBILE: Within compounds of Boeing facility, Ridley Park, PA, c

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28 MHz	MO	3K00A3E	100 W (ERP)	
29.5 MHz	MO	3K00A3E	100 W (ERP)	
29.975 MHz	MO	3K00A3E	100 W (ERP)	

Middletown (NEW CASTLE), DE - NL 39-31-13; WL 75-43-17; MOBILE: Within compounds of Summit facility, Middletown, DE

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2 MHz	MO	3K00A3E	100 W (ERP)	
3.821 MHz	MO	3K00A3E	100 W (ERP)	
4 MHz	MO	3K00A3E	100 W (ERP)	
5.775 MHz	MO	3K00A3E	100 W (ERP)	
7 MHz	MO	3K00A3E	100 W (ERP)	
8 MHz	MO	3K00A3E	100 W (ERP)	

Frequency Information

Middletown (NEW CASTLE), DE - NL 39-31-13; WL 75-43-17; MOBILE: Within compounds of Summit facility, Middletown, DE

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9 MHz	MO	3K00A3E	100 W (ERP)	
10.5 MHz	MO	3K00A3E	100 W (ERP)	
11 MHz	MO	3K00A3E	100 W (ERP)	
13 MHz	MO	3K00A3E	100 W (ERP)	
13.922 MHz	MO	3K00A3E	100 W (ERP)	
14 MHz	MO	3K00A3E	100 W (ERP)	
16 MHz	MO	3K00A3E	100 W (ERP)	
17 MHz	MO	3K00A3E	100 W (ERP)	
18 MHz	MO	3K00A3E	100 W (ERP)	
20.5 MHz	MO	3K00A3E	100 W (ERP)	

Frequency Information

Middletown (NEW CASTLE), DE - NL 39-31-13; WL 75-43-17; MOBILE: Within compounds of Summit facility, Middletown, DE

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
21 MHz	MO	3K00A3E	100 W (ERP)	
22 MHz	MO	3K00A3E	100 W (ERP)	
23 MHz	MO	3K00A3E	100 W (ERP)	
24 MHz	MO	3K00A3E	100 W (ERP)	
25.5 MHz	MO	3K00A3E	100 W (ERP)	
27 MHz	MO	3K00A3E	100 W (ERP)	
28 MHz	MO	3K00A3E	100 W (ERP)	
29.5 MHz	MO	3K00A3E	100 W (ERP)	
29.975 MHz	MO	3K00A3E	100 W (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.

Special Conditions:

- (3) Operation is subject to prior coordination with the local Society of Broadcast Engineer frequency coordinator in each proposed venue to protect the Broadcast Auxiliary Service operations.
- (4) The Boeing Company must notch out 22 MHz at both locations.
- (5) IB has objection to the following IHF frequencies: 6MHz, 12MHz, 15.5MHz, 19MHz and 26MHz
- (6) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (7) The authorized station must be in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules.
- (8) The authorized station must be in compliance with environmental requirement set forth Commission's Rules.
- (9) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (10) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
- (11) The Boeing Company must adjust emissions on 22 MHz to avoid overlap into 21924-22000 kHz range.
- (12) This authorization SUPERSEDES the previous issued authorization with the same call sign and file number: excluded some frequencies.