

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL
(Nature of Service)

WK2XKK
(Call Sign)

XT FX MO
(Class of Station)

0415-EX-CR-2021
(File Number)

NAME The Boeing Company

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(h) of the Commission's Rules

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)	
4 MHz	MO	3K00A3E	100 W (ERP)	

This authorization effective September 01, 2021 and
will expire 3:00 A.M. EST September 01, 2023

**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 (+/-)
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)	
16 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 (+/-)
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)	
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)	

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 (+/-)
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)	
9 MHz	MO	3K00A3E	100 W (ERP)	
10.5 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 (+/-)
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)	
21 MHz	MO	3K00A3E	100 W (ERP)	
23 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 (+/-)
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) 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) 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) IB has objection to the following IHF frequencies: 6MHz, 12MHz, 15.5MHz, 19MHz and 26MHz
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (6) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.

Special Conditions:

- (7) 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.
- (8) Stop buzzer, Neil Blaho at 610-591-6478 / 610-529-6411.