

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

EXPERIMENTAL
(Nature of Service)

WL9XDB
(Call Sign)

XT FX MO
(Class of Station)

0390-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:

Ensure that modifying equipment will not affect the shielding of other equipment within platform

Station Locations

- (1) Ridley Park (DELAWARE), PA - NL 39-51-36; WL 75-19-15; MOBILE: Within compounds of Boeing facility, Ridley Park, PA, within 5 km, 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, within 5 km, 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, w

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
225.5 MHz	MO		15 W (ERP)	
		5K00A3E		
		8K33A3E		
		12K5A3E		
		25K0A3E		

This authorization effective May 10, 2017 and
will expire 3:00 A.M. EST October 01, 2017

**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, w

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
234.625 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
242.275 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
248.625 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
253.475 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
255.4 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
262 MHz	MO	5K00A3E 8K33A3E 12K5A3E	15 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, w

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
262 MHz	MO	25K0A3E	15 W (ERP)	
263.6 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
271.725 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
285.4 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
289.4 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
302.35 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 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, w

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
305.4 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
321.7 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
323.1 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
340 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
343.325 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
350.05 MHz	MO	5K00A3E 8K33A3E 12K5A3E	15 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, w

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
350.05 MHz	MO	25K0A3E	15 W (ERP)	
366.5 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
383.1 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (Output Power)	
399.995 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
403 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
408.45 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 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, w

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
413.9 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
419.35 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
424.8 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
430.25 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
435.7 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
441.15 MHz	MO	5K00F3E 8K33F3E 12K5F3E	15 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, w

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
441.15 MHz	MO	25K0F3E	15 W (ERP)	
446.6 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
452.05 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
457.5 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
462.95 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
468.4 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 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, w

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
473.85 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
479.3 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
484.75 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
490.2 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
495.65 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
501.1 MHz	MO	5K00F3E 8K33F3E 12K5F3E	15 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, w

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
501.1 MHz	MO	25K0F3E	15 W (ERP)	
506.55 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
511.995 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 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 (+/-)
225.5 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
234.625 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
242.275 MHz	MO	5K00A3E	15 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 (+/-)
242.275 MHz	MO	8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
248.625 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
253.475 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
255.4 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
262 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
263.6 MHz	MO	5K00A3E 8K33A3E 12K5A3E	15 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 (+/-)
263.6 MHz	MO	25K0A3E	15 W (ERP)	
271.725 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
285.4 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
289.4 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
302.35 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
305.4 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 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 (+/-)
321.7 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
323.1 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
340 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
343.325 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
350.05 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
366.5 MHz	MO	5K00A3E 8K33A3E 12K5A3E	15 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 (+/-)
366.5 MHz	MO	25K0A3E	15 W (ERP)	
383.1 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
399.995 MHz	MO	5K00A3E 8K33A3E 12K5A3E 25K0A3E	15 W (ERP)	
403 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
408.45 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
413.9 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	

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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 (+/-)
419.35 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
424.8 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
430.25 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
435.7 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
441.15 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
446.6 MHz	MO	5K00F3E 8K33F3E 12K5F3E	15 W (ERP)	

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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 (+/-)
446.6 MHz	MO	25K0F3E	15 W (ERP)	
452.05 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
457.5 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
462.95 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
468.4 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
473.85 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 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 (+/-)
479.3 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (Output Power)	
484.75 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
490.2 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
495.65 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
501.1 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (ERP)	
506.55 MHz	MO	5K00F3E 8K33F3E 12K5F3E	15 W (ERP)	

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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 (+/-)
506.55 MHz	MO	25K0F3E	15 W (ERP)	
511.995 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E	15 W (Output Power)	

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.
- (3) The applicant must notify and coordinate with public safety licensees within 50 km of testing sites that operate on 462.95 MHz.
- (4) Boeing must not utilize the following frequencies to protect aviation operations in the area.

255.4 MHz +/- 3 KHz
 285.4 MHz +/- 3 KHz
 289.4 MHz +/- 3 KHz
 323.1 MHz +/- 3 KHz

- (5) Boeing must coordinate with the local Society of Broadcast Engineer frequency coordinator prior to operation on the proposed frequencies.