

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WQ9XQL

(Call Sign)

0939-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 smart phone will be used to off-load data from the aircraft to ground personal supporting flight test activities.

Station Locations

- (1) MOBILE: Mobile Airborne Max Flight Level 30,000 Feet, Glasgow, MT, within 100 km, centered around NL 48-24-46; WL 106-31-34
- (2) MOBILE: Mobile Airborne Max Flight Level 30,000 Feet, Moses Lake, WA, within 100 km, centered around NL 47-12-03; WL 119-17-57

Frequency Information

MOBILE: Mobile Airborne Max Flight Level 30,000 Feet, Glasgow, MT, within 100 km, centered around NL 48-24-46; WL 106-31-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
670-690 MHz	MO	17M9G7W 17M9D7W	0.4 W (ERP)	
701.5-713.5 MHz	MO	4M50D7W 9M00G7W 8M99D7W	0.4 W (ERP)	

This authorization effective July 15, 2020 and
will expire 3:00 A.M. EST October 31, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Mobile Airborne Max Flight Level 30,000 Feet, Glasgow, MT, within 100 km, centered around NL 48-24-46; WL 106-31-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
701.5-713.5 MHz	MO	9M01D7W	0.4 W (ERP)	
1712.4-1778.5 MHz	MO	4M00F9W 2M69D7W 17M9G7W 18M0D7W	0.4 W (ERP)	
1850.2-1909.8 MHz	MO	246KG7W 4M07F9W 17M9G7W 18M0D7W 17M9G7W	0.4 W (ERP)	
2305-2315 MHz	MO	4M51D7W 8M98G7W 8M99D7W	0.4 W (ERP)	
2502.5-2567.5 MHz	MO	4M50D7W 17M9G7W 18M0D7W 38M0G7W 38M0D7W	0.4 W (ERP)	
2506-2682.5 MHz	MO	17M8G7W 18M0D7W 28M6D7W 38M0G7W	0.4 W (ERP)	

Frequency Information

MOBILE: Mobile Airborne Max Flight Level 30,000 Feet, Glasgow, MT, within 100 km, centered around NL 48-24-46; WL 106-31-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2506-2682.5 MHz	MO	37M5D7W	0.4 W (ERP)	

MOBILE: Mobile Airborne Max Flight Level 30,000 Feet, Moses Lake, WA, within 100 km, centered around NL 47-12-03; WL 119-17-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
670-690 MHz	MO	17M9G7W 17M9D7W	0.4 W (ERP)	
701.5-713.5 MHz	MO	4M50D7W 9M00G7W 8M99D7W 9M01D7W	0.4 W (ERP)	
1712.4-1778.5 MHz	MO	4M00F9W 2M69D7W 17M9G7W 18M0D7W	0.4 W (ERP)	
1850.2-1909.8 MHz	MO	246KG7W 4M07F9W 17M9G7W 18M0D7W 17M9G7W	0.4 W (ERP)	
2305-2315 MHz	MO	4M51D7W 8M98G7W	0.4 W (ERP)	

Frequency Information

MOBILE: Mobile Airborne Max Flight Level 30,000 Feet, Moses Lake, WA, within 100 km, centered around NL 47-12-03; WL 119-17-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2305-2315 MHz	MO	8M99D7W	0.4 W (ERP)	
2502.5-2567.5 MHz	MO	4M50D7W 17M9G7W 18M0D7W 38M0G7W 38M0D7W	0.4 W (ERP)	
2506-2682.5 MHz	MO	17M8G7W 18M0D7W 28M6D7W 38M0G7W 37M5D7W	0.4 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.
- (3) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 245 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)
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
 - WCS (2305-2320 MHz/2345-2360 MHz) licensee (AT&T)
- (4) WTB/Mobility Division does NOT authorize the airborne use in 2305-2310 MHz frequencies due to an explicit airborne prohibition in the rules.
- (5) Operations in the WCS bands (2305-2320 MHz and 2345-2360 MHz) must comply with the emission limits applicable to those bands. See 47 C.F.R. § 27.53(a).
- (6) The applicant must obtain consents from the Advance Wireless Service licensees prior to accessing to 1712.4-1778.5 MHz band.
- (7) The applicant must obtain consents from the Educational Broadband Service and the Broadband Radio Service licensees prior to accessing to 2502.5-2567.5 MHz and 2506-.2682.5 MHz bands.

Special Conditions:

- (8) Operation is subject to coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 670-690 MHz band.
- (9) Operation is not permitted using the frequency band 756-799 MHz
- (10) Stop Buzzer for this operation is Kathryn Henry, (425)-299-9439.