

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

EXPERIMENTAL
(Nature of Service)

WB9XJH
(Call Sign)

XT MO
(Class of Station)

1141-EX-ST-2026
(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:

Ground Electromagnetic Compatibility (EMC) testing of aircraft systems. Testing is to measure/identify cosite interference to aircraft systems from harmonics of requested frequencies.

Station Locations

(1) MOBILE: Midlletown, DE, within 1 km, centered around NL 39-31-22; WL 75-43-06

Frequency Information

MOBILE: Midlletown, DE, within 1 km, centered around NL 39-31-22; WL 75-43-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
156.45 MHz	MO	16K0F3E	20 W (ERP)	
156.5 MHz	MO	16K0F3E	20 W (ERP)	
156.55 MHz	MO	16K0F3E	20 W (ERP)	

This authorization effective July 20, 2026 and
will expire 3:00 A.M. EST January 21, 2027

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Middletown, DE, within 1 km, centered around NL 39-31-22; WL 75-43-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.425 MHz	MO	16K0F3E	20 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) Prior to commencing operations in the authorized frequency band(s), the experimental licensee must notify the potentially affected licensees below. The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should also include the testing parameters (e.g., specific location(s), frequency bands, antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.

Frequency Bands: 156.0125-162.0375 MHz (E-s) (2nd Gen only (Call sign S2110)
Licensee: Iridium Constellation LLC Phone Number: 202-230-4644
ATTN: Mr. Kara Azocar E-Mail: kara.azocar@iridium.com

Frequency Bands: 156.0125-162.0375 MHz (Call sign S3054)
Licensee: Kineis, Phone Number: 202-416-6742
ATTN: Assia Bahri, E-Mail: abahri@kineis.com

Frequency Bands: 130-183 MHz (VHS) (Call sign S3213)
Licensee: Spire Global, Inc. Phone Number: 415-356-3400
ATTN: Ms Francisca Adeuyi E-Mail: francisca.adeuyi@spire.com

- (3) Operations within part 90 bands must comply with all applicable rules under part 90, including but not limited to the requirements for protecting centralized trunked incumbents as specified in section 90.187.
- (4) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (5) Stop Buzzer Information:
Primary: Christian Sutton
(484)768-4922
Secondary: Michael Morelle
(484)745-8566