

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

XT MO
(Class of Station)

WY9XQW
(Call Sign)

0285-EX-ST-2025
(File Number)

NAME AST & Science LLC

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:
Please see Exhibit A for description of test effort with FirstNet.

- Station Locations
- (1) MOBILE: Please see Exhibits A and B, within 24 km, centered around NL 33-44-42; WL 100-37-40
 - (2) MOBILE: Non-geostationary LEO satellites; Call Sign S3065

Frequency Information

MOBILE: Please see Exhibits A and B, within 24 km, centered around NL 33-44-42; WL 100-37-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
788-798 MHz	MO	180KDXD	0.12 W (ERP)	0.00001 %

This authorization effective April 15, 2025 and
will expire 3:00 A.M. EST September 05, 2025

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

MOBILE: Non-geostationary LEO satellites; Call Sign S3065

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
758-768 MHz	MO	10M0G1W	19275.2 W (ERP)	0.00001 %
758-768 MHz	MO	5M00G1W	9637.6 W (ERP)	0.00001 %
758-768 MHz	MO	3M00G1W	5782.6 W (ERP)	0.00001 %
758-768 MHz	MO	1M43G1W	2698.5 W (ERP)	0.00001 %

Special Conditions:

- (1) Licensee to pre-coordinate Band 14 use with AT&T FirstNet
- (2) License is subject to further review by the FCC and re-coordination by FirstNet.
- (3) This STA is limited to testing pursuant to an agreement with FirstNet in the 758 - 768 MHz and 788 - 798 MHz bands for satellite transmissions and satellite reception with earth stations located in Texas. AST SpaceMobile may not conduct any commercial operations as part of this experimental Part 5 request.
- (4) All operations of the Block 1 Bluebirds (BB1s) satellites must comport with the terms and conditions of the Commission's decision in the AST SpaceMobile Partial Grant, Order and Authorization, DA 24-756 (rel. Aug. 2, 2024, ICFS File Nos.: SAT-LOA-20200413-00034, SAT-AMD-20200727-00088, SAT-AMD-20201028-00126, SAT-AMD-20230717-00172, SAT-AMD-20240311-00053).
- (5) One week prior to commencing any operations authorized by this STA, AST SpaceMobile shall notify any potentially affected operators, unless the relevant terrestrial provider(s) has been designated to provide notification(s) or conduct coordination processes. For purposes of this STA, a potentially affected operator includes any operators authorized to use the frequency bands covered by this STA and those authorized to operate in frequency bands adjacent to the 758 - 768 MHz and 788 - 798 MHz bands. The notice should include the day and times of each test as well as the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference.

Special Conditions:

- (6) A 24/7 point of contact in the United States, with authority and ability to cease all emissions, for this operation is Mr. Federico Fawzi: +1-432-276-3465, frequencycoordinator@AST SpaceMobile-science.com, which links to the pagers of appropriate technical personnel. Experimental licensee must submit "Stop Buzzer" contact to FirstNet at: FirstNetSpectrum.Manager@firstnet.gov; authorization POC agrees to immediately cease operations on Band 14 when notified.
- (7) All operations under this grant of STA shall be on an unprotected and non-interference basis (NIB), i.e., AST SpaceMobile must not cause harmful interference to and must not claim protection from interference caused to it by any other lawfully operating station. In the event of any harmful interference caused under this grant of STA, AST SpaceMobile must immediately cease operations upon notification of such interference. AST SpaceMobile must immediately inform the Commission, in writing, of such an event.
- (8) The authority granted by this STA expires on either the expiration date of the dissolution of AST SpaceMobile's arrangement with FirstNet or the expiration date of this STA, whichever is earlier.
- (9) Any action taken or expense incurred as a result of operations pursuant to this grant is solely at AST SpaceMobile's own risk. Grant of this Experimental STA does not imply grant or denial of any other pending application and is without prejudice to any determination that the Commission may make regarding pending or future AST SpaceMobile applications.
- (10) This authorization is subject to modification to bring it into conformance with any rules or policies adopted by the Commission in the future. Accordingly, in making any investments relating to operations authorized in this grant, AST SpaceMobile assumes the risk that it may be subject to additional conditions or requirements as a result of any future Commission actions.