

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

EXPERIMENTAL
(Nature of Service)

XT FX MO
(Class of Station)

WM2XSA
(Call Sign)

0031-EX-CM-2026
(File Number)

NAME AT&T Services, Inc.

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(J) of the Commission's Rules

Station Locations

- (1) Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05
- (2) MOBILE: Within 5 km of base, within 5 km, centered around NL 30-23-28; WL 97-45-05
- (3) Austin (WILLIAMSON), TX - NL 30-28-47; WL 97-46-40
- (4) MOBILE: within 5 km of the base, within 5 km, centered around NL 30-28-47; WL 97-46-40

Frequency Information

Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6325 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
6325-6725 MHz	FX	400MW9W	30549 W (ERP)	0.001 %
6625 MHz	FX	400MW9W	30459 W (ERP)	0.001 %

This authorization effective July 21, 2026 and
will expire 3:00 A.M. ET June 01, 2027

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6725-7125 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
7025 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
7325 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
7425 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
7700 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
7725 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
7825 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
8125 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
10700-11100 MHz	FX	400MW9W	30549 W (ERP)	0.001 %
11100-11500 MHz	FX	400MW9W	30459 W (ERP)	0.001 %

Frequency Information

Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11500-11900 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
11900-12300 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
12300-12700 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
12700-13100 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
13000 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
13100-13500 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
13900-14300 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
14300-14700 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
14700-15100 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
14700 MHz	FX	400MW9W	30459 W (ERP)	0.001 %

Frequency Information

Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
92000-100000 MHz	FX	6G20W9W	1928 W (ERP)	0.001 %

MOBILE: Within 5 km of base, within 5 km, centered around NL 30-23-28; WL 97-45-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6325 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
6325-6725 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
6625 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
6725-7125 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
7025 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
7325 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
7425 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
7700 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %

Frequency Information

MOBILE: Within 5 km of base, within 5 km, centered around NL 30-23-28; WL 97-45-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7725 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
7825 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
10700-11100 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
11100-11500 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
11500-11900 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
11900-12300 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
12300-12700 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
12700-13100 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
13000 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
13100-13500 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %

Frequency Information

MOBILE: Within 5 km of base, within 5 km, centered around NL 30-23-28; WL 97-45-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13900-14300 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
14300-14700 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
14700-15100 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
14700 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
92000-100000 MHz	MO	6G20W9W	30 W (ERP)	0.001 %

Austin (WILLIAMSON), TX - NL 30-28-47; WL 97-46-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6325 MHz	FX	400MW9W	30549 W (ERP)	0.001 %
6325-6725 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
6625 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
6725-7125 MHz	FX	400MW9W	30459 W (ERP)	0.001 %

Frequency Information

Austin (WILLIAMSON), TX - NL 30-28-47; WL 97-46-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7025 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
7325 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
7425 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
7700 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
7725 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
7825 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
8125 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
10700-11100 MHz	FX	400MW9W	30549 W (ERP)	0.001 %
11100-11500 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
11500-11900 MHz	FX	400MW9W	30459 W (ERP)	0.001 %

Frequency Information

Austin (WILLIAMSON), TX - NL 30-28-47; WL 97-46-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11900-12300 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
12300-12700 MHz	FX	400MW9W 400MW9W	30459 W (ERP)	0.001 %
12700-13100 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
13000 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
13100-13500 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
13900-14300 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
14300-14700 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
14700-15100 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
14700 MHz	FX	400MW9W	30459 W (ERP)	0.001 %
92000-100000 MHz	FX	6G20W9W	1928 W (ERP)	0.001 %

Frequency Information

MOBILE: within 5 km of the base, within 5 km, centered around NL 30-28-47; WL 97-46-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6325 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
6325-6725 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
6625 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
6725-7125 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
7025 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
7325 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
7425 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
7700 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
7725 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
7825 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %

Frequency Information

MOBILE: within 5 km of the base, within 5 km, centered around NL 30-28-47; WL 97-46-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8125 MHz	MO	400MW9W	0.3 W (ERP)	0.001 %
10700-11100 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
11100-11500 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
11500-11900 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
11900-12300 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
12300-12700 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
12700-13100 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
13000 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
13100-13500 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
13900-14300 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %

Frequency Information

MOBILE: within 5 km of the base, within 5 km, centered around NL 30-28-47; WL 97-46-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14300-14700 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
14700-15100 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
14700 MHz	MO	400MW9W	0.5 W (ERP)	0.001 %
92000-100000 MHz	MO	6G20W9W	30 W (ERP)	0.001 %

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) AT&T Services, Inc. should be also aware that licensees proposing to operate in the 14-14.2 GHz band within 200 km of the coordinates specified in 47 CFR 25.228(j)(1) are subject to prior coordination with NASA GSFC Spectrum Management Office in order to minimize harmful interference to the ground terminals of NASA's Tracking and Data Relay Satellite System (TDRSS). Requests for coordination shall be provided to NASA-DL-GSFC-SPECTRUM-MANAGEMENT@MAIL.NASA.GOV at least 7 days prior to operations.
- (3) All operations in the 92.0-94.0 GHz band MHz band shall ensure the unwanted emissions power does not exceed -41 dBW per any 100 MHz of the 91.00-91.95 GHz band and -55 dBW per any 100 MHz of the 86.05-91.00 GHz band.
- (4) Experimental licensee must successfully coordinate with all the existing registered links in 92-95 GHz bands in each proposed area prior to operation in the 92000-100000 MHz bands.
- (5) EXPERIMENTAL LICENSEE IS PROHIBITED FROM OPERATING IN THE FOLLOWING FREQUENCY BANDS DUE TO FEDERAL AGENCY OBJECTION:
 - A. 13500 - 13900 MHZ
 - B. 15100 - 15500 MHZ
- (6) USER SHOULD BE AWARE THAT ALL OPS IN THE G14-G14.2 BAND WITHIN KM OF THE COORDINATES SPECIFIED IN 47CFR25.228(J)(1) ARE SUBJECT TO COORDINATION WITH NASA GSFC SMO PRIOR TO OPS.

Special Conditions:

- (7) FOR THE M8125 AND M8525, ALL OPERATIONS MUST PROTECT EARTH STATIONS IN NTIA MANUAL 8.3.15.
- (8) All operations in the 92.0-94.0 GHz band must ensure the unwanted emissions power does not exceed the following:
-41 - $14 \times (92 - f)$ dBW/100 MHz for $91 \leq f \leq 91.95$ GHz and -55 dBW/100 MHz for $86.05 \leq f \leq 91$ GHz, where f is the center frequency of the 100 MHz reference bandwidth expressed in GHz.
- (9) ALL OPERATIONS SHALL PROTECT EARTH STATIONS IN NTIA MANUAL 8.3.15. FINDINGS FROM FUTURE NSS STUDIES MAY RESULT IN MODIFICATION, CANCELLATION, OR THE INABILITY TO RENEW THESE RFAS.
- (10) THE FOLLOWING CONDITION APPLIES TO THE 92 - 100 GHZ BAND:
OPERATION ON THIS ASSIGNMENT IS SUBJECT TO IMMEDIATE CESSATION, IF IT CAUSES HARMFUL INTERFERENCE TO NASA105532,AQUA RADIOMETER, NASA135526,GMI RADIOMETER, NASA212006,TROPICS RADIOMETER ASSIGNMENTS.

Special Conditions:

- (11) 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: 5925-6425 MHz (E-s) (Call sign S2713, S3098, S3096,)
Frequency Bands: 5925-6425 MHz (E-s), 11.7-12.2 GHz (s-E), 14.0-14.5 GHz (E-s)
(Call sign S2826, S2807, S2892, S2964)
Frequency Bands: 14.0-14.5 GHz (E-s) 11.7-12.2 GHz (s-E) (Call sign S2180)
Licensee: SES Americom, Inc. Phone Number: 202-478-7191
ATTN: Mr. Daniel C.H. Mah, E?Mail: daniel.mah@ses.com

Frequency Bands: 5925-6425 MHz & 14.0-14.5 GHz (E-s) 11.7-12.2 GHz (s-E) (Call sign S2715, S2160, S2647, S2687)
Frequency Bands: 5925-6425 MHz, 12.75-13.25 GHz, 13.75-14.5 GHz (E-s)
10.7-11.2 GHz, 11.7-12.2 GHz (s-E) (Call sign S3148)
Frequency Bands: 5925-6425 MHz, 13.75-14 GHz (E-s) 11.45-11.701 GHz (s-E)
(Call sign S3078)
Frequency Bands: 10.825-12.2 GHz (s-E) 14.0-14.5 GHz (E-s) (Call sign S3066)
Frequency Bands: 5925-6425 MHz, 13.75-14.5 GHz (E-s) 10.95-11.2 GHz,
11.7-12.2 GHz (s-E) (Call sign S2253)
Frequency Bands: 5925-6675 MHz, 13.75-14.5 GHz (E-s) 11.45-12.2 GHz (s-E)
(Call sign S2381)
Frequency Bands: 6425-6725 MHz (E-s), 10.95-11.2 GHz (s-E), 11.45-12.2 GHz
(s-E), 13.75-14.5 GHz (E-s) (Call sign S2887, S2924)
Frequency Bands: 5925-6425 MHz (E-s) (Call sign S3143)
Frequency Bands: 10700-10950 MHz (Call sign S3018)
Licensee: Intelsat License LLC Phone Number: 703?559?7799
ATTN: Mr. W. Ray Rutngamlug, E?Mail: ray.rutngamlugintelsat.com

Frequency Bands: 5925-6425 MHz, 11.7-12.2 GHz (s-E) 14.0-14.5 GHz (E-s) (Call sign S2674, S2745)
Licensee: Telesat Canada/Telesat Spectrum Corporation Phone Number: (613) 748-8700
ATTN: Ms Elisabeth Neasmith E?Mail: eneasmith@telesat.com

Frequency Bands: 5925-6425 MHz (s-E), 11.45-12.25 GHz (E-s), 13.75-14.5 GHz (s-E) (Call sign S2990, S3059)
Licensee: Space Logistics, LLC Phone Number: 703-406-5000
ATTN: Mr. Joseph Anderson E-Mail: Joseph.Anderson@orbitalatk.com

Frequency bands: 6338-6342 MHz (E-s), 6425-6575 MHz (E-s) (Call sign S2932, S3205)
Licensee: Inmarsat Group Holdings Limited Phone Number: 703-223-3327
Attention: Mr Brennan Price. E-Mail: brennan.price@inmarsat.com

Special Frequency bands: 6875-7055 MHz (s-E) (Call sign S2115)
Licensee: Globalstar Licensee LLC Phone Number: 985-335-1503
ATTN: Mr. L. Barbee Ponder IV, E-Mail: Barbee.Ponder@Globalstar.com

Frequency Bands: 7025-7075 MHz (E-s) (Call sign S2617, S3034)
Licensee: XM Radio Inc. Phone Number: 202-380-1383
Frequency Bands: 7050.5-7072.5 MHz (E-s) (Call sign S2710)
Licensee: Sirius XM Radio Inc. Phone Number: 202-380-1383
Frequency Bands: 7025-7075 MHz (E-s) (Call sign S3034, S3166)
Licensee: Sirius XM Radio Inc.
ATTN: Mr. James S Blitz, E-Mail: james.blitz@siriusxm.com
Licensee: Sirius XM Radio Inc. Phone Number: 202-380-1383

Frequency bands: 7227.118 - 7229.118 MHz (E-s) (Call sign S3088)
Licensee: Astrobotic Technology, Inc Phone Number: 412-682-3282
ATTN: Eduardo Lugo Perez, E-Mail: eduardo.lugo@astrobotic.com

Frequency Bands: 8025-8400 MHz (Call sign S2129, S2348)
Licensee: Maxar License Inc. Phone Number: 303-328-1929
ATTN: David Tonini E-Mail: david.tonini@maxar.com).

Frequency Bands: 8025-8400 MHz (Call sign S2862, S2912)
Licensee: Planet Labs PBC , Phone Number: 202-221-5402
ATTN: Mr. Danielle Pineros, E-Mail: danielle.pineros@planet.com
E-Mail: compliance@planet.com

Frequency Bands: 8025-8400 MHz, 9200-10550 MHz (Call sign S2946)
Frequency Bands: 8025-8400 MHz (Call sign S3045)
Licensee: Spire Global, Inc. Phone Number: 415-356-3400
ATTN: Ms Francisca Adeuyi E-Mail: francisca.adeuyi@spire.com

Frequency Bands: 8025-8400 MHz (Call sign S3032)
Licensee: BlackSky Global LLC. Phone Number: 203 815 4378
ATTN: Jenifer Lamie E-Mail: jlamie@blacksky.com

Frequency Bands: 8025-8400 MHz (Call sign S3042)
Licensee: HawkEye 360, Inc. , Phone Number: 571-203-0360
ATTN: Mr. Rob Rainhart, E-Mail: rob@he360.com

Frequency Bands: 8225-8375 MHz (Call sign S3067)
Frequency Bands: 8025-8400 MHz (Call sign S3082, S3165)
Frequency Bands: 8025-8400 MHz (Call sign S3224)
Licensee: ICEYE US, Inc. Phone Number: 757-493-1387
ATTN: Ms. Leola Moss Phone E-Mail: Leola.Moss@ICEYE.us
ATTN: DirecTV/AT&T. Mr. Raquel Noriega Email: raquel.noriega@att.com)

Frequency Bands: 8026.3-8027.7 MHz (s-E), 8043.75-8381.25 MHz (s-E)
(Call sign S3137, S3162, S3178)

Specific Licensee: Capella Space Corp. Phone Number: 703-962-0364
ATTN: Mr Daniel J Connors Jr. E-Mail: dan.connors@capellaspace.com

Frequency Bands: 8025-8400 MHz (Call sign S3144, S3154)
Licensee: Momentus Space LLC Phone Number: 650-564-7820
ATTN: Mr. Paul Ney E-Mail: paul.ney@momentus.space

Frequency Bands: 8025-8400 MHz (Call sign S3072, S3147, S3170, S3181, S3184, S3199, S3227)
Licensee: Loft Orbital Solutions Inc. Phone Number: 410-382-5050
ATTN: Alex Greenberg E-Mail: alex@loftorbital.com

Frequency Bands: 8025-8400 MHz (Call sign 3156)
Licensee: The Tomorrow Companies, Inc. Phone Number: 425-478-2848
ATTN: Kristina Hloptsidis E-Mail: kristina.hloptsidis@tomorrow.io

Frequency Bands: 8025-8275 MHz, 9300-10400 MHz (Call sign S3168)
Frequency Bands: 8025-8400 MHz, 9200-10400 MHz (Call sign S3186)
Licensee: Umbra Lab Inc., Phone Number: 805-270-5069
ATTN: Ms Iulia Davies E-Mail: iulia.davies@umbra.space

Frequency Bands: 8025-8400 MHz (Call sign: S3173).
Licensee: Muon Space Inc. Phone Number: 412-901-9275
ATTN: Dr Paul S Day E-Mail: paul@muonspace.com).

Frequency Bands: 8025-8400 MHz (Call sign S3175)
Licensee: Sidus Space, Inc. Phone Number: 321-450-5633
ATTN: Ms Carol Craig E-Mail: carol.craig@sidusspace.com

Frequency Bands: 8450-8500 MHz (Call sign S3194)
Licensee: Impulse Space, Inc. Phone Number: 424-383-4817
ATTN: Nicholas Simon E-Mail: nick@impulspace.com

Frequency Bands: 8450-8500 MHz (Call sign S3196)
Licensee: Firefly Aerospace, Inc. Phone Number: 225-571-4540
ATTN: Mr Zach Miller E-Mail: zach.miller@fireflyspace.com

Frequency Bands: 8025-8400 MHz (Call sign S3198)
Licensee: Turion Space Corp. Phone Number: 253-353-5966
ATTN: Patryk Wiatr E-Mail: pwiatr@turionspace.com

Frequency Bands: 8250-8270 MHz (Call sign S3153, 3185)
Licensee: Space Sciences & Engineering LLC Phone Number: 720-427-9711
ATTN: Daniel P Smith E-Mail: dsmith@planetiq.com

Frequency Bands: 8450-8500 MHz (Call sign S3204)
Licensee: Vast Space LLC Phone Number: 310-220-0300
ATTN: Mr Brad Powell E-Mail: brad@vastspace.com

Speci: ATTN: Mr David Powell E-Mail: dpa@vastspace.com

Frequency Bands: 8025-8400 MHz (Call sign S3208)
Licensee: Albedo Space Corp. Phone Number: 626-500-8977
ATTN: Dr Kevin W Kloster E-Mail: kevin@albedo.com

Frequency Bands: 8025-8400 MHz (Call sign S3214)
Licensee: Sierra Nevada Company, LLC Phone Number: 775-849-6599
ATTN: Tanneil Kirk E-Mail: snclegal@sncorp.com

Frequency Bands: 8450-8500 MHz (Call sign S3228)
Licensee: Impulse Space, Inc. Phone Number: 424-383-4817
ATTN: Nicholas Simon E-Mail: nick@impulspace.com

Frequency Bands: 10700-12700 MHz (Call sign S2963)
Licensee: WorldVu Satellites Limited Phone Number: 202-813-4026
ATTN: Ms. Ruth Pritchard-Kelly E-Mail: ruth@oneweb.net

Frequency Bands: 10700-12700 MHz(s-E) (Call sign S2978)
Licensee: Space Norway AS Phone Number: +4722510000
ATTN: Mr Christer Varan

Frequency Bands: 10700-12700 MHz (s-E) (Call sign S2981)
Licensee: Kepler Communications Inc. Phone Number: 437-537-5371
ATTN: Mr Nickolas G Spina E-Mail: nspina@keplercommunications.com

Frequency Bands: 10.7-12.7 GHz (s-E), 12.75-13.25 GHz, 13.85-14.5 GHz (E-s)
(Call sign S2983/S3018, S3069)
Licensee: Space Exploration Holdings, LLC, Phone Number: 202-649-2700
ATTN: Mr David Goldman, E-Mail: david.goldman@spacex.com

Frequency Bands: 10.7-12.7 GHz (s-E), 12.75-13.25 GHz, 14-14.5 GHz (E-s) (Call
sign S2986)
Licensee: Theia Holdings A, Inc. Phone Number: 470-346-6843
ATTN: Michael Fuqua E-Mail: mfuqua@brileyfin.com

Frequency Bands: 12.2-12.7 GHz (s-E) (Call sign S3039, S2669)
Licensee: DIRECTV Enterprises, LLC
ATTN: Mr. Navid Motamed. Phone Number: 310-964-3589 E-Mail:
nm704u@att.com and DirecTV/AT&T. Mr. Raquel Noriega Email:
raquel.noriega@att.com

Frequency Bands: 12.2-12.7 GHz (s-E) (Call sign S3039, S2669, S2673)
Licensee: DIRECTV Enterprises, LLC
ATTN: Mr. Navid Motamed. Phone Number: 310-964-3589 E-Mail:
nm704u@att.com and DirecTV/AT&T. Mr. Raquel Noriega Email:
raquel.noriega@att.com

Frequency Bands: 10.7-10.95 GHz, 11.2-11.45 GHz (s-E), 12.75-13.25 GHz (E-s)

Special (Call sign S2358, E980179)

Licensee: Ligado Networks Subsidiary LLC Phone Number: 703-390-2011

ATTN: Mr. Vernon Ross, E-Mail: vernon@ligado.com

Frequency Bands: 12.2-12.7 GHz (s-E) (Call sign S3093)

Licensee: EchoStar Satellite Operating Corporation Phone Number: 202-463-3709

Frequency Bands: 12.2-12.7 GHz (s-E) (Call sign S2738, S2694)

Licensee: DISH Operating L.L.C. Phone Number: 202-463-3709

Frequency Bands: 10.7-10.95 GHz (s-E), 11.2-11.45 GHz (s-E), 12.75-13 GHz (E-s)
(Call sign S2633)

Licensee: Gamma Acquisition L.C.C. Phone Number: 202-463-3709

ATTN: Ms. Alison Minea, E-Mail: Alison.Minea@dish.com

- (12) Experimental licensee must be aware that operations cannot claim harmful interference that may result from SRS/EESS uplinks in allocated portions of the 7145-7250 MHz range.
- (13) Experimental licensee must coordinate with the Fixed Microwave Service licensees in the proposed venues prior to performing test operations.
- (14) Experimental licensee must coordinate with the local Society of Broadcast Engineers frequency coordinator in each proposed area prior to commencing experimental operations. Consult the list at <http://sbe.org/resources/frequency-coordination/> to find the appropriate coordinator.
- (15) Experimental licensee must coordinate with the existing registered links in 92-95 GHz band in each corresponding proposed area prior to operation in 92-100 GHz band.
- (16) Stop Buzzer Contact Name: Milap Majmundar
Telephone Number: 512-954-7376
Email: mm1804@att.com