

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WQ2XAU

(Call Sign)

0149-EX-CM-2026

(File Number)

NAME ALL.SPACE Networks Ltd.

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) Huntsville, AL - NL 34-35-33; WL 88-33-57; MOBILE: 50 km radius for terrestrial and maritime mobile, Huntsville, AL, within 50 km, centered around NL 34-35-33; WL 88-33-57
- (2) Oceanside, CA - NL 33-12-52; WL 119-11-42; MOBILE: 50 km radius for terrestrial and maritime mobile, Oceanside, CA, within 50 km, centered around NL 33-12-52; WL 119-11-42
- (3) Oxnard, CA - NL 34-08-52; WL 119-11-42; MOBILE: 50 km radius for terrestrial and maritime mobile, within 50 km, centered around NL 34-08-52; WL 119-11-42
- (4) Fort Irwin, CA - NL 35-15-48; WL 116-41-27; MOBILE: 50 km radius for terrestrial and maritime mobile, Fort Irwin, CA, within 50 km, centered around NL 35-15-48; WL 116-41-27
- (5) San Diego, CA - NL 32-42-34; WL 117-14-53; MOBILE: 50 km radius for terrestrial and maritime mobile, San Diego, CA, centered around NL 32-42-34; WL 117-14-53
- (6) Melbourne, FL - NL 28-05-25; WL 80-38-29; MOBILE: 50 km radius for terrestrial and maritime mobile, Melbourne, FL, within 50 km, centered around NL 28-05-25; WL 80-38-29
- (7) Tampa, FL - NL 27-56-28; WL 82-27-20; MOBILE: 50 km radius for terrestrial and maritime mobile, Tampa, FL, within 50 km, centered around NL 27-56-28; WL 82-27-20
- (8) Augusta, GA - NL 33-28-41; WL 81-58-06; MOBILE: 50 km radius for terrestrial and maritime mobile, Augusta, GA, within 50 km, centered around NL 33-28-41; WL 81-58-06
- (9) Honolulu, HI - NL 21-23-08; WL 157-54-28; MOBILE: 50 km radius for terrestrial and maritime mobile, Honolulu, HI, within 50 km, centered around NL 21-23-08; WL 157-54-28
- (10) Washington, DC - NL 38-53-22; WL 77-02-07; MOBILE: 50 km radius for terrestrial and maritime mobile, Washington, DC, within 50 km, centered around NL 38-53-22; WL 77-02-07

This authorization effective July 09, 2026 and
will expire 3:00 A.M. EST April 01, 2028

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

- (11) Fort Campbell, KY - NL 36-39-48; WL 87-28-39; MOBILE: 50 km radius for terrestrial and maritime mobile, Fort Campbell, KY, within 50 km, centered around NL 36-39-48; WL 87-28-39
- (12) Aberdeen, MD - NL 39-25-16; WL 76-06-37; MOBILE: 50 km radius for terrestrial and maritime mobile, Aberdeen, MD, within 50 km, centered around NL 39-25-16; WL 76-06-37
- (13) Spring Lake, NC - NL 35-08-51; WL 79-01-49; MOBILE: 50 km radius for terrestrial and maritime mobile, Spring Lake, NC, within 50 km, centered around NL 35-08-51; WL 79-01-49
- (14) Cleveland, OH - NL 41-24-40; WL 81-52-14; MOBILE: 50 km radius for terrestrial and maritime mobile, Cleveland, OH, within 50 km, centered around NL 41-24-40; WL 81-52-14
- (15) Fort Stockton, TX - NL 30-30-59; WL 102-48-13; MOBILE: 50 km radius for terrestrial and maritime mobile, Fort Stockton, TX, within 50 km, centered around NL 30-30-59; WL 102-48-13
- (16) Killeen, TX - NL 31-08-11; WL 97-46-47; MOBILE: 50 km radius for terrestrial and maritime mobile, Killeen, TX, within 50 km, centered around NL 31-08-11; WL 97-46-47
- (17) Galveston, TX - NL 29-19-59; WL 94-46-20; MOBILE: 50 km radius for terrestrial and maritime mobile, Galveston, TX, within 50 km, centered around NL 29-19-59; WL 94-46-20
- (18) Austin, TX - NL 30-13-07; WL 97-45-40; MOBILE: 50 km radius for terrestrial and maritime mobile, Austin, TX, within 50 km, centered around NL 30-13-07; WL 97-45-40
- (19) Gulf of Mexico, GM - NL 29-10-22; WL 94-39-37; MOBILE: 50 km radius for terrestrial and maritime mobile, Gulf of Mexico, within 50 km, centered around NL 29-10-22; WL 94-39-37
- (20) Stafford, VA - NL 38-30-40; WL 77-18-37; MOBILE: 50 km radius for terrestrial and maritime mobile, Stafford, VA, within 50 km, centered around NL 38-30-40; WL 77-18-37
- (21) Bristow, VA - NL 38-47-02; WL 77-34-24; MOBILE: 50 km radius for terrestrial and maritime mobile, Bristow, VA, within 50 km, centered around NL 38-47-02; WL 77-34-24
- (22) Seattle, WA - NL 47-37-16; WL 122-20-02; MOBILE: 50 km radius for terrestrial and maritime mobile, Seattle, WA, within 50 km, centered around NL 47-37-16; WL 122-20-02
- (23) Norfolk, VA - NL 36-56-36; WL 76-19-10; MOBILE: 50 km radius for terrestrial and maritime mobile, Norfolk, VA, within 50 km, centered around NL 36-56-36; WL 76-19-10
- (24) Los Angeles, CA - NL 34-13-28; WL 118-29-58; MOBILE: 50 km radius for terrestrial and maritime mobile, within 50 km, centered around NL 34-13-28; WL 118-29-58
- (25) Denver, CO - NL 39-44-42; WL 105-00-31; MOBILE: 50 km radius for terrestrial and maritime mobile, within 50 km, centered around NL 39-44-42; WL 105-00-31
- (26) Redmond, WA - NL 47-39-45; WL 122-05-34; MOBILE: 50 km radius for terrestrial and maritime mobile, within 50 km, centered around NL 47-39-45; WL 122-05-34

Frequency Information

Huntsville, AL - NL 34-35-33; WL 88-33-57; MOBILE: 50 km radius for terrestrial and maritime mobile, Huntsville, AL, within 50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Oceanside, CA - NL 33-12-52; WL 119-11-42; MOBILE: 50 km radius for terrestrial and maritime mobile, Oceanside, CA, within 50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Oxnard, CA - NL 34-08-52; WL 119-11-42; MOBILE: 50 km radius for terrestrial and maritime mobile, within 50 km, centered at

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Frequency Information

Fort Irwin, CA - NL 35-15-48; WL 116-41-27; MOBILE: 50 km radius for terrestrial and maritime mobile, Fort Irwin, CA, within 1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

San Diego, CA - NL 32-42-34; WL 117-14-53; MOBILE: 50 km radius for terrestrial and maritime mobile, San Diego, CA, cent

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Melbourne, FL - NL 28-05-25; WL 80-38-29; MOBILE: 50 km radius for terrestrial and maritime mobile, Melbourne, FL, within

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Frequency Information

Tampa, FL - NL 27-56-28; WL 82-27-20; MOBILE: 50 km radius for terrestrial and maritime mobile, Tampa, FL, within 50 km, (

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Augusta, GA - NL 33-28-41; WL 81-58-06; MOBILE: 50 km radius for terrestrial and maritime mobile, Augusta, GA, within 50 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Honolulu, HI - NL 21-23-08; WL 157-54-28; MOBILE: 50 km radius for terrestrial and maritime mobile, Honolulu, HI, within 50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Frequency Information

Washington, DC - NL 38-53-22; WL 77-02-07; MOBILE: 50 km radius for terrestrial and maritime mobile, Washington, DC, wit

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Fort Campbell, KY - NL 36-39-48; WL 87-28-39; MOBILE: 50 km radius for terrestrial and maritime mobile, Fort Campbell, KY

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Aberdeen, MD - NL 39-25-16; WL 76-06-37; MOBILE: 50 km radius for terrestrial and maritime mobile, Aberdeen, MD, within

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Frequency Information

Spring Lake, NC - NL 35-08-51; WL 79-01-49; MOBILE: 50 km radius for terrestrial and maritime mobile, Spring Lake, NC, wi

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Cleveland, OH - NL 41-24-40; WL 81-52-14; MOBILE: 50 km radius for terrestrial and maritime mobile, Cleveland, OH, within

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Fort Stockton, TX - NL 30-30-59; WL 102-48-13; MOBILE: 50 km radius for terrestrial and maritime mobile, Fort Stockton, TX

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Frequency Information

Killeen, TX - NL 31-08-11; WL 97-46-47; MOBILE: 50 km radius for terrestrial and maritime mobile, Killeen, TX, within 50 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Galveston, TX - NL 29-19-59; WL 94-46-20; MOBILE: 50 km radius for terrestrial and maritime mobile, Galveston, TX, within 50 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Austin, TX - NL 30-13-07; WL 97-45-40; MOBILE: 50 km radius for terrestrial and maritime mobile, Austin, TX, within 50 km, c

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Frequency Information

Gulf of Mexico, GM - NL 29-10-22; WL 94-39-37; MOBILE: 50 km radius for terrestrial and maritime mobile, Gulf of Mexico, w

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Stafford, VA - NL 38-30-40; WL 77-18-37; MOBILE: 50 km radius for terrestrial and maritime mobile, Stafford, VA, within 50 kr

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Bristow, VA - NL 38-47-02; WL 77-34-24; MOBILE: 50 km radius for terrestrial and maritime mobile, Bristow, VA, within 50 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Frequency Information

Seattle, WA - NL 47-37-16; WL 122-20-02; MOBILE: 50 km radius for terrestrial and maritime mobile, Seattle, WA, within 50 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Norfolk, VA - NL 36-56-36; WL 76-19-10; MOBILE: 50 km radius for terrestrial and maritime mobile, Norfolk, VA, within 50 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Los Angeles, CA - NL 34-13-28; WL 118-29-58; MOBILE: 50 km radius for terrestrial and maritime mobile, within 50 km, cente

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Frequency Information

Denver, CO - NL 39-44-42; WL 105-00-31; MOBILE: 50 km radius for terrestrial and maritime mobile, within 50 km, centered :

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Redmond, WA - NL 47-39-45; WL 122-05-34; MOBILE: 50 km radius for terrestrial and maritime mobile, within 50 km, centered :

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-29.1 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %
29.5-30 GHz	FX	50M0G7D	43167 W (ERP)	0.0003 %

Special Conditions:

- (1) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."
- (2) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) ALL.SPACE Networks Representative and Stop Buzzer Contact: Alan Hewitt
Phone: (844) 715-1333
Email: ahewitt@all.space
- (4) This authorization is for experimental purposes only and does not permit commercial, operational, or revenue generating services of any kind. The experimental licensee is strictly prohibited from charging fees, receiving compensation, or deriving any direct or indirect financial benefit from activities conducted under this grant. Should the licensee engage in any prohibited commercial or revenue generating activity, all transmissions conducted under this authorization must cease immediately.
- (5) Experimental operations outside of the United States are not authorized.

Special Conditions:

- (6) ALL.SPACE Networks Ltd ("ALL.SPACE"), is authorized to conduct testing of its (GEN 2) Ka-band satellite terminals while on-board vehicles and maritime vessels within a 50 km radius of the testing locations listed below. The antennas will communicate with the non-geostationary (NGSO) Kuiper (S3051) satellite constellation using frequency bands 28.4-28.6 GHz and 29.5-30.0 GHz (Earth-to-space).

Testing sites:

Site	Geographical Coordinates	City	State
1	34°44'41.36" N, 87°40'3.66" W	Huntsville	AL
2	34°43'46.35" N, 86°35'7.09" W	Muscle Shoals	AL
3	33°12'52.2" N, 117°23'13.92" W	Oceanside	CA
4	34°8'52.07" N, 119°11'42.0" W	Oxnard	CA
5	35°15'47.52" N, 116°41'26.52" W	Fort Irvin	CA
6	32°42'34.2" N, 117°14'53.16" W	San Diego	CA
7	28°5'24.72" N, 80°38'28.68" W	Melbourne	FL
8	27°56'27.96" N, 82°27'19.8" W	Tampa	FL
9	33°28'40.8" N, 81°58'5.52" W	Augusta	GA
10	21°18'25.0" N, 157°51'30.0" W	Honolulu	HI
11	36°39'48.24" N, 87°28'38.64" W	Fort Campbell	KY
12	39°25'15.6" N, 76°06'37.0" W	Aberdeen	MD
13	35°08'50.52" N, 79°01'49.45" W	Spring Lake	NC
14	41°24'39.88" N, 81°52'14.17" W	Cleveland	OH
15	30°30'59.4" N, 102°48'13.32" W	Fort Stockton	TX
16	31°08'10.68" N, 97°46'46.92" W	Killeen	TX
17	29°18'7.5" N, 94°47'42.0" W	Galveston	TX
18	30°16'1.3" N, 97°44'35.3" W	Austin	TX
19	29°10'21.92" N, 94°39'37.3" W	Gulf of Mexico	
20	38°30'40.0" N, 77°18'37.0" W	Stafford	VA
21	36°51'3.0" N, 76°17'10.0" W	Norfolk	VA
22	38°47'2.0" N, 77°34'24.0" W	Bristow	VA
23	47°36'11.63" N, 122°19'49.0" W	Seattle	WA
24	38°53'22.35" N, 77°2'7.43" W	Washington	DC
25	34°13'28.0" N, 118°29'58.0" W	Los Angeles	CA
26	47°39'45.0" N, 122°5'34.0" W	Redmond	WA
27	39°44'42.0" N, 105°0'31.0" W	Denver	CO