

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

EXPERIMENTAL
(Nature of Service)

XT FX MO
(Class of Station)

WL2XGY
(Call Sign)

0168-EX-CM-2021
(File Number)

NAME Ericsson

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) Santa Clara (SANTA CLARA), CA - NL 37-23-01; WL 121-58-33; MOBILE: , within 0.06 km, centered around NL 37-23-01; WL 121-58-33

Frequency Information

Santa Clara (SANTA CLARA), CA - NL 37-23-01; WL 121-58-33; MOBILE: , within 0.06 km, centered around NL 37-23-01; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
617-652 MHz	FX	5M00W9W	100 mW (ERP)	
869-894 MHz	FX	5M00W9	100 mW (ERP)	
1805-1880 MHz	FX	5M00W9W	100 mW (ERP)	
1930-1990 MHz	FX	5M00W9W	100 mW (ERP)	

This authorization effective March 07, 2025 and
will expire 3:00 A.M. EST January 25, 2026

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

Santa Clara (SANTA CLARA), CA - NL 37-23-01; WL 121-58-33; MOBILE: , within 0.06 km, centered around NL 37-23-01; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2110-2200 MHz	FX	5M00W9W	1 W (ERP)	
2496-2690 MHz	FX	100MW9W	1 W (ERP)	
3300-3800 MHz	FX	100MW9W	1 W (ERP)	
27500-28350 MHz	FX	400MW9W	1 W (ERP)	
37000-40000 MHz	FX	400MW9W	1 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) Ericsson shall coordinate with the affected Fixed Microwave Service licensees prior to operation in 3700-3800 MHz and 37000-40000 MHz bands.
- (3) Ericsson shall coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 617-652 MHz band to protect the Broadcast Auxiliary Service operations.
- (4) Ericsson shall coordinate with the incumbent Fixed Microwave licensee(s) to avoid interference in the 2110-2200 MHz band in each corresponding proposed venue prior to conducting the testing.
- (5) Stop Buzzer: Matthew Hussey at 202-824-0114, matthew.hussey@ericsson.com
- (6) Prior to commencing any operations in the 3400-3800 MHz frequency bands, Ericsson must notify the earth station licensees the test dates and provide a stop buzzer in case of interference.

Name: Intelsat License LLC Phone Number: 703-559-7848

Fax Number: 703-559-8539

E-Mail: susan.crandall@intelsat.com

Attention: Susan H Crandall

Name: Jennifer D. Hindin Phone Number: 202-719-4975

Company: Wiley Rein LLP Fax Number: 202-719-7049

E-Mail: jhindin@wileyrein.com

Relationship: Legal Counsel

Special Conditions:

- (7) All operations in 37000-40000 MHz bands are subject to RES 243 OOB limits of WRC-19.
- (8) Ericsson must coordinate with Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to operation in frequency range from 3700 MHz to 3800 MHz.
- (9) Ericsson must coordinate its operations in 3550-3700 MHz band with one or more authorized Spectrum Access System (SAS) administrators to obtain channel assignments and avoid causing harmful interference to authorized users of the band, including General Authorized Access (GAA) users.
- (10) Prior to commencing any operations in the frequencies below, Ericsson must obtain consent from the following within 50 miles of the contours of the testing area:
 - a. Cellular licensees (824-849 MHz/869-894 MHz)
 - b. Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (11) Ericsson shall notify all incumbent Advanced Wireless Service licensees in the proposed area prior to accessing to 2110-2170 MHz band.
- (12) Ericsson must successfully coordinate with the Educational Broadband Service and Broadband Radio Service licensees prior to accessing to the frequency range from 2496 MHz to 2690 MHz.
- (13) Ericsson must successfully coordinate with the Upper Microwave Flexible Use Service licensees in the proposed area prior to accessing to 27500-28350 MHz and 37000-40000 MHz bands.
- (14) Prior to commencing any operations in the 2180-2190 MHz frequency band, experimental licensee must notify licensee of GAMMA ACQUISITION L.L.C. (Call sign E060430, POC/Satellite: S2633. Name: Ms. Allison Minea, Phone Number: 202-293-1216, E-Mail: alison.minea@dish.com). 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 include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (15) Prior to commencing any operations in the 2190-2200 MHz frequency band, experimental licensee must notify licensee of DBSD Services Limited. (Call sign E070272, POC/Satellite: S2651. Name: Ms. Allison Minea, Phone Number: 202-293-1216, E-Mail: alison.minea@dish.com). 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 include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (16) Prior to commencing any operations in the 2483.5 – 2500 MHz frequency bands, experimental licensee must notify licensee of GUSA Licensee LLC. (Call sign E970381, S2115. Name: Mr. L. Barbee Ponder IV Phone Number: 985-335-1503 E-Mail: Barbee.Ponder@Globalstar.com). 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 include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.

Special Conditions:

- (17) Prior to commencing any operations in the 3.625-3.8 GHz frequency band, experimental licensee must notify licensees of earth stations. 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 include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test. Please notify the following licensees:
Call Sign: E6241, KA232
Frequency bands: 3.625 -4.2 GHz
Licensee: Sprint Communications Company, L.P.
ATTN: Robin J Cohen
Phone: 703-433-4000 Fax: 703-433-4035
Site Contact: Timothy A. Dismond 913-315-3857
- (18) To protect incumbent earth stations from blocking, the power flux density (PFD) of any emissions in use by the TT&C earth station:
Prior to commencing any operations from any base or fixed station in the 3700-3800 MHz frequency band, experimental licensee must coordinate cochannel frequency usage with all incumbent TT&C earth stations within a 70 km radius. The licensee must ensure that the aggregated power from its operations meets an interference to noise ratio (I/N) of -6 dB to the TT&C earth station receiver.
- (19) With respect to operations in the 3700-3800 MHz band, Licensee should be made aware that the application must avoid causing interference to the existing Fixed Service operators and FSS earth stations in the band. For applicant's reference, a list of registered incumbent FSS earth stations in the band can be found at the following link: <https://docs.fcc.gov/public/attachments/DA-20-823A2.xls>
- (20) Prior to commencing any operations in the 3.7-3.8 GHz frequency band, experimental licensee must notify licensees of earth stations. 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 include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test. Please notify the following licensees:
Call Sign: E060418
Frequency bands: 3.7-4.2 GHz
Licensee: General Dynamics
ATTN: Mr Mike W Mcdaniel
Phone: 650-966-2954 Fax: 650-966-3401 E-Mail: MikeW.Mcdaniel@gd-ais.com
Site Contact: Lee Campbell 650-966-2330
Call Sign: E970119, E970137, E970133
Frequency bands: 3.7-4.2 GHz
Licensee: Associated Press
ATTN: Oleta J Brown
Phone: 816-654-1000 Fax: 816-654-1035 E-Mail: ojbrown@ap.org