

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

EXPERIMENTAL
(Nature of Service)

XD FX MO
(Class of Station)

WL2XPM
(Call Sign)

0385-EX-CR-2026
(File Number)

NAME Qualcomm Technologies, 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) San Diego (SAN DIEGO), CA - NL 32-53-50; WL 117-11-47; MOBILE: San Diego, CA, within 0.3 km, centered around NL 32-53-50; WL 117-11-47
- (2) San Diego (SAN DIEGO), CA - NL 32-53-38; WL 117-11-53; MOBILE: San Diego, CA, within 0.3 km, centered around NL 32-53-38; WL 117-11-53

Frequency Information

San Diego (SAN DIEGO), CA - NL 32-53-50; WL 117-11-47; MOBILE: San Diego, CA, within 0.3 km, centered around NL 32-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-4200 MHz	FX	100MW7W	31.92 W (ERP)	
3700-4200 MHz	MO	100MW7W	0.19 W (ERP)	

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

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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 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."
- (3) Stop Buzzer POC: Mr. John Forester at (858) 845-7428, pguckian@qti.qualcomm.com
- (4) Qualcomm shall coordinate with the Fixed Microwave Service licensees in the proposed venues in accordance with 47 C.F.R, Part 101.103(d) prior to conducting the experimental operations.

Special Conditions:

- (5) Operations of the authorized experimental stations must comply with the following conditions:
- (a) To protect incumbent earth stations from out-of-band emissions from fixed stations, base stations and mobiles, the power flux density (PFD) of any emissions within the 4000-4200 MHz band must not exceed -124 dBW/m²/MHz as measured at the earth station antenna.
 - (b) To protect incumbent earth stations from blocking, the power flux density (PFD) of any emissions within the 3700-3980 MHz band must not exceed -16 dBW/m²/MHz as measured at the earth station antenna.
 - (c) Prior to initiating operations in the 3700-3980 MHz band from any base or fixed station, Licensee must coordinate cochannel frequency usage with all incumbent Telemetry, Tracking, and Command (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. A base station's operation will be defined as cochannel when licensee's authorized 3700-3980 MHz band is separated from the center frequency of the TT&C earth station by less than 150% of the maximum emission bandwidth in use by the TT&C earth station.
 - (d) In the 3700-3980 MHz band, licensees operating on an adjacent channel to an incumbent TT&C earth station 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.
 - (e) To protect incumbent TT&C earth stations from blocking, the power flux density (PFD) of any emissions within the 3700-3980 MHz band must not exceed -16 dBW/m²/MHz as measured at the TT&C earth station antenna.
- (6) With respect to operations in the 3700-3980 MHz frequency 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> and the updated list <https://docs.fcc.gov/public/attachments/DA-23-176A2.xlsx>
- (7) Operation is subject to footnote NG182 and NG457A of Section 2.106 of the Commission's rules

Special Conditions:

- (8) Prior to commencing any operations at the 3.7-4.2 GHz (space-to-Earth) frequency band, experimental licensee must notify licensees of earth stations (Mobile Earth Stations (MESs)). 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: E181589
Frequency bands: 3.7-4.2 GHz
Licensee: ARRIS Enterprises LLC
Phone: 678-473-2907 Fax: 678-473-8470

Call Sign: E201138
Frequency bands: 3.7-4.2 GHz
Licensee: Firstlight Media US Holdings Inc.
ATTN: Mr Goutham Vinjamuri
Phone: 310-662-3660 Fax: E-Mail: goutham@firstlight.ai

Call Sign: E181354
Frequency bands: 3.7-4.2 GHz
Licensee: New Inspiration Broadcasting Company, Inc.
ATTN: Mr Scott Foster
Phone: 805-384-4502 Fax: 805-384-4503 E-Mail: ScottF@salem.cc

Call Sign: E5404
Frequency bands: 3.7-4.2 GHz
Licensee: Spectrum Pacific West, LLC
ATTN: Ms Alexis Anderten
Phone: 303-323-1423 Fax: E-Mail: CharterFCC@Charter.com

Call Sign: E000263
Frequency bands: 3.7-4.2 GHz
Licensee: Regents of the University of California
ATTN: Connie Geraghty
Phone: 510-987-0440 Fax: 510-451-4340

Call Sign: E180186
Frequency bands: 3.7-4.2 GHz
Licensee: Tribune Media Company
ATTN: Elizabeth Ryder, Esq.
Phone: 312-222-3894 Fax: E-Mail: eryder@nexstar.tv

Call Sign: E100145
Frequency bands: 3.7-4.2 GHz
Licensee: Fox Broadcasting Company
ATTN: Alastair Hamilton
Phone: 310-369-6644

Call Sign: E200130
Frequency bands: 3.7-4.2 GHz
Licensee: KFMB-TV, LLC

Special Agent: ATTN: MICHAEL BEDER

Phone: 703-873-6902 Fax: 703-873-6331 E-Mail: MBEDER@TEGNA.COM

Call Sign: E180817

Frequency bands: 3.7-4.2 GHz

Licensee: Herring Networks Inc.

ATTN: Mr Charles P Herring

Phone: 858-270-6900 x106 Fax: 858-270-6901 E-Mail: charles@oann.com

Call Sign: E190408

Frequency bands: 3.7-4.2 GHz

Licensee: Entravision Holdings, LLC

ATTN: Walter F. Ulloa

Phone: 310-447-3870 Fax: 310-447-3899

Call Sign: E180260

Frequency bands: 3.7-4.2 GHz

Licensee: Channel 51 of San Diego Inc

ATTN: Fred Swift

Phone: 858-505-5150 Fax: 858-571-4825 E-Mail: Swift@kusi.com

Call Sign: E190097

Frequency bands: 3.7-4.2 GHz

Licensee: iHeartMedia + Entertainment, Inc.

ATTN: FCC CONTACT

Phone: 918-664-4581 Fax: E-Mail: FCCcontact@iheartmedia.com

Call Sign: E181859, E181467,

Frequency bands: 3.7-4.2 GHz

Licensee: Station Venture Operations, LP

ATTN: Margaret L Tobey

Phone: 2025246401 Fax: 202-524-6411 E-Mail: margaret.tobey@nbcuni.com

Call Sign: E190072

Frequency bands: 3.7-4.2 GHz

Licensee: Anuvu Licensing Holdings LLC

ATTN: Mr Phillip R Marchesiello

Phone: 202-383-3343 Fax: E-Mail: pmarchesiello@wbklaw.com

Call Sign: E100136, E030251, E191524

Frequency bands: 3.7-4.2 GHz

Licensee: San Diego State University

ATTN: MR. LEON C. MESSENIE

Phone: 619-594-1515 x8146 Fax: 619-594-8153 E-Mail: lmessenie@kpbs.org

Call Sign: E940363, E190515, E040402

Frequency bands: 3.7-4.2 GHz

Licensee: Scripps Broadcasting Holdings LLC

ATTN: Dave Giles

Phone: 513-977-3000 Fax: E-Mail: dave.giles@scripps.com

Call Sign: E181949, E181496, E181493, E181491, E190158, KD55, E181492, E181955,

Specific: Frequency bands: 3.7-4.2 GHz
Licensee: Cox Communications California, LLC
ATTN: Mr Randal Joins
Phone: 404-269-4419 Fax: E-Mail: randal.joins@cox.com

Call Sign: E200382
Frequency bands: 3.7-4.2 GHz
Licensee: El Sembrador Ministries
ATTN: Arturo Escalona
Phone: 773-777-7773 x2322 Fax: E-Mail: arturo@elsembrador.org

Call Sign: E200129
Frequency bands: 3.7-4.2 GHz
Licensee: Estrella Television License LLC
ATTN: Chris Buchanan
Phone: 818-729-5300 Fax: 818-729-5678 E-Mail: chrisb@lbimedia.com

Call Sign: E180137
Frequency bands: 3.7-4.2 GHz
Licensee: International Communications Network, Inc.
ATTN: Mr Maxwell C Agha
Phone: 8583499191 Fax: 619-230-1726 E-Mail: gary@signalwiz.com

Call Sign: E201979
Frequency bands: 3.7-4.2 GHz
Licensee: Relevant Radio, Inc.
ATTN: Mr Mark Denbo
Phone: 2023509656 x Fax: E-Mail: mdenbo@fccworld.com

Call Sign: E181038
Frequency bands: 3.7-4.2 GHz
Licensee: Mediacom Communications Corporation
ATTN: Deborah Gangaram Harrypersad
Phone: 845-695-2782 Fax: (845) 492-2295 E-Mail: dgangaram@mediacomcc.com