

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

EXPERIMENTAL

(Nature of Service)

WM2XFL

(Call Sign)

XD FX

(Class of Station)

0920-EX-CN-2021

(File Number)

NAME SpiderCloud Wireless, 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(h & j) of the Commission's Rules

Station Locations

(1) Milpitas (SANTA CLARA), CA - NL 37-26-18; WL 121-55-15

Frequency Information

Milpitas (SANTA CLARA), CA - NL 37-26-18; WL 121-55-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	4 W (ERP)	

Special Conditions:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) SpiderCloud Wireless, Inc. shall prior coordinate with the affected Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d).
- (4) 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 including the TT&C earth station antenna.

This authorization effective June 03, 2022 and
will expire 3:00 A.M. EST June 01, 2024

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (5) For base or fixed station's frequencies that are separated from the center frequency of the Telemetry, Tracking, and Command (TT&C) earth station by less than 150% of the maximum emission bandwidth 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.

- (6) With respect to operations in the 3700-3800 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>
- (7) Prior to commencing any operations in the 3700-3800 MHz 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: E970119, E970137

Frequency bands: 3700-4200 MHz

Licensee: Associated Press

ATTN: Oleta J Brown

Phone: 816-654-1000 Fax: 816-654-1035 E-Mail: ojbrown@ap.org

Call Sign: E060418

Frequency bands: 3700-4200 MHz

Licensee: General Dynamics

ATTN: Mr Mike W Mcdaniel

Phone: 650-966-2954 Fax: 650-966-3401 E-Mail: MikeW.Mcdaniel@gd-ais.com

Call Sign: E6241

Frequency bands: 3700-4200 MHz

Licensee: Sprint Communications Company, L.P.

ATTN: Jenny Knopf

Phone: 425-383-8401 Fax: 425-383-4840 E-Mail: FCCRegulatoryComplianceContact@t-mobile

- (8) This authorization SUPERSEDES the previously issued authorization with the same call sign and file number to add the conditions (4), (5), (6), and (7) above.