

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

EXPERIMENTAL
(Nature of Service)

WL2XDC
(Call Sign)

XT MO
(Class of Station)

0609-EX-CN-2020
(File Number)

NAME Loon LLC

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(a & j) of the Commission's Rules

Station Locations

- (1) MOBILE: Spaceport America, NM, within 12.5 km, centered around NL 32-59-10; WL 106-58-17

Frequency Information

MOBILE: Spaceport America, NM, within 12.5 km, centered around NL 32-59-10; WL 106-58-17

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 716-721 MHz | MO | 5M00WXW | 38.5 W (ERP) | |
| 771-776 MHz | MO | 5M00W7W | 38.5 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) 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.
- (3) Stop Buzzer: Ben Wojtowicz at 847-767-0554, loon-fcc@google.com

This authorization effective September 11, 2020 and will expire 3:00 A.M. EST September 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) Loon LLC must notify every narrowband licensee within 110 km of the testing area of (a) when will initiate transmissions and (b) a telephone number of Loon personnel who immediately can discontinue transmissions in the event of interference.
- (5) Prior to commencing any operations in the frequencies below, Loon LLC must obtain consent from 700 MHz Lower Band "D" block licensees (716-722 MHz) within 265 miles of the contours of the testing area.
- (6) At all times during operation of the transmitters, Loon LLC must orient the transmitting antenna to direct transmissions away from the U.S./Mexico border.
- (7) The State of New Mexico holds a license covering the area Loon LLC proposes to operate in, so Loon LLC shall coordinate with the following contact at the state.

NEW MEXICO, STATE OF

Call Sign WPTZ778

Joseph A Martinez

725 6TH STREET NW

Albuquerque, NM 87102

Ph: (505)383-0351

Email: joseph.martinez@state.nm.us