

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

EXPERIMENTAL

(Nature of Service)

WI2XGT

(Call Sign)

XT FX MO

(Class of Station)

0142-EX-PL-2016

(File Number)

NAME Google 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(a & j) of the Commission's Rules

Station Locations

- (1) MOBILE: Spaceport America, NM: Airborne, Max Altitude 25,000 ft., within 25 km, centered around NL 32-59-25; WL 106-58-11
- (2) Spaceport America (SIERRA), NM - NL 32-59-39; WL 106-58-29
- (3) MOBILE: Spaceport America, NM: Airborne, Max Altitude 25,000 ft., within 70 km, centered around NL 32-59-25; WL 106-58-11
- (4) Spaceport America (SIERRA), NM - NL 32-59-39; WL 106-58-29
- (5) Spaceport America (SIERRA), NM - NL 32-56-27; WL 106-55-15

Frequency Information

MOBILE: Spaceport America, NM: Airborne, Max Altitude 25,000 ft., within 25 km, centered around NL 32-59-25; WL 106-58-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2568-2590 MHz	MO	20M0A2D	24 W (ERP)	

This authorization effective April 15, 2016 and
will expire 3:00 A.M. EST May 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Spaceport America (SIERRA), NM - NL 32-59-39; WL 106-58-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5775-5825 MHz	FX	10H0N0N	48 W (ERP)	

MOBILE: Spaceport America, NM: Airborne, Max Altitude 25,000 ft., within 70 km, centered around NL 32-59-25; WL 106-58-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
73000 MHz	MO	2G00G2D	1214 W (ERP)	

Spaceport America (SIERRA), NM - NL 32-59-39; WL 106-58-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
83000 MHz	FX	2G00G2D	96411 W (ERP)	

Spaceport America (SIERRA), NM - NL 32-56-27; WL 106-55-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
83000 MHz	FX	2G00G2D	96411 W (ERP)	

Special Conditions:

- (1) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

Special Conditions:

- (4) Google must coordinate with the existing 71-76 GHz and 81-86 GHz users prior to operation in 72000-74000 MHz and 82000-84000 MHz bands.