

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

EXPERIMENTAL

(Nature of Service)

WI2XCS

(Call Sign)

XT FX MO

(Class of Station)

0747-EX-PL-2015

(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: United States (All 50) and Puerto Rico: max altitude 75,459 ft AGL
- (2) All 50 States & Puerto Rico, US

Frequency Information

MOBILE: United States (All 50) and Puerto Rico: max altitude 75,459 ft AGL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
71-76 GHz	MO		7.67689 kW (ERP)	
		60M0D1D		
		580MD1D		
81-86 GHz	MO		7.67689 kW (ERP)	
		60M0D1D		
		580MD1D		

This authorization effective March 17, 2016 and will expire 3:00 A.M. EST April 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

All 50 States & Puerto Rico, US

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
71-76 GHz	FX	60M0D1D 580MD1D	192.8348 kW (ERP)	
81-86 GHz	FX	60M0D1D 580MD1D	192.8348 kW (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) The power flux density (pfd) produced at or beyond the Canadian border shall not exceed -136 dBW/m²/Hz.
- (5) The grant to Google is on an unprotected basis and is conditioned on not causing any harmful interference to other Commission authorized operation.
- (6) Google shall use the data from a Commission-authorized third-party database manager to determine and ensure that operation under this experimental license complies with the interference protection criteria of 47 C.F.R. § 101.105(a)(5)(i).
- (7) Operation under this license shall comply with the RF safety standards set forth in FCC rule section 101.1525 (47 CFR § 101.1525).