

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WK9XOJ

(Call Sign)

0056-EX-TC-2017

(File Number)

NAME Google 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.

Station Locations

(1) MOBILE: Nationwide

Frequency Information

MOBILE: Nationwide

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.402-2.48 GHz	MO	980KF1D 1M21F1D 1M10F1D	0.0024 W (ERP)	
2.402-2.48 GHz	MO	1M27F1D	0.0042 W (ERP)	
2.412-2.462 GHz	MO	13M1F1D 16M3F1D 17M4D2D 36M2D2D	0.211 W (ERP)	

This authorization effective September 21, 2017 and
will expire 3:00 A.M. EST November 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Nationwide

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.18-5.24 GHz	MO	36M2D2D 17M4D2D 16M3F1D 13M1F1D	0.211 W (ERP)	
5.26-5.32 GHz	MO	36M2D2D 17M4D2D 16M3F1D 13M1F1D	0.211 W (ERP)	
5.5-5.58 GHz	MO	13M1F1D 36M2D2D 17M4D2D 16M3F1D	0.211 W (ERP)	
5.66-5.7 GHz	MO	13M1F1D 16M3F1D 17M4D2D 36M2D2D	0.211 W (ERP)	

Special Conditions:

- (1) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.
- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (3) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (5) Google must not utilize frequencies above 5.58 GHz within 100 km of Eglin AFB, Florida land ranges including Site D-3 at Cape San Blas, FL.
- (6) Google must not utilize all frequencies requested within 100 km radius of Belted Peak, NV 37 34 08N 116 04 35W.
- (7) Google must be made aware that they cannot cause interference to federally authorized operations and must accept any interference received, including but not limited to emissions within the 5640-5800 MHz in Brevard County FL. See FCC Advisory Date 17 July 2016.
- (8) Prior to the start of operations, Google must coordinate operations, in and around, Mountain Home, Idaho with:

Mountain Home Spectrum Office (Mt Home AFB, ID)
SSgt Candice Keene, (208) 828-6357, candice.keene@us.af.mil.

- (9) NTIA has concerns about use of the spectrum at or near 5850 MHz. There is currently a proceeding at the FCC examining Out-of-Band Emissions (OOBE) that may impact use of such devices as well as deployment of the Dedicated Short Range Communication (DSRC) system. NTIA would like to caution any applicant that OOBE limits must be constrained so as to not cause interference to DSRC safety application.