

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WK9XOJ

(Call Sign)

XT MO

(Class of Station)

1483-EX-ST-2016

(File Number)

NAME Google Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

STA will enable testing of radios in a way that is likely to contribute to the development, extension, expansion, or utilization of the radio art.

Station Locations

(1) MOBILE: Nationwide

Frequency Information

MOBILE: Nationwide

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

This authorization effective November 17, 2016 and
will expire 3:00 A.M. EST May 17, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Nationwide

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.412-2.462 GHz	MO	16M3F1D 17M4D2D 36M2D2D	0.211 W (ERP)	
5.18-5.24 GHz	MO	36M2D2D 17M4D2D 16M3F1D 13M1F1D	0.211 W (ERP)	
5.26-5.32 GHz	MO	36M2D2D 13M1F1D 16M3F1D 17M4D2D	0.211 W (ERP)	
5.5-5.58 GHz	MO	36M2D2D 17M4D2D 16M3F1D 13M1F1D	0.211 W (ERP)	
5.66-5.7 GHz	MO	13M1F1D 16M3F1D 17M4D2D 36M2D2D	0.211 W (ERP)	

Special Conditions:

- (1) 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.

Special Conditions:

- (2) 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.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (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.