

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WJ9XAI

(Call Sign)

1021-EX-ST-2015

(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 experimental transmitters

Station Locations

- (1) MOBILE: Merced, CA: airborne, max altitude 400 ft, within 10 km, centered around NL 37-19-26; WL 120-18-39
- (2) MOBILE: Merced, CA: airborne, max altitude 400 ft, within 10 km, centered around NL 37-19-26; WL 120-18-39
- (3) MOBILE: Merced, CA: airborne, max altitude 400 ft, within 10 km, centered around NL 37-19-26; WL 120-18-39

Frequency Information

MOBILE: Merced, CA: airborne, max altitude 400 ft, within 10 km, centered around NL 37-19-26; WL 120-18-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
706.5-713.5 MHz	MO	4M50G7D 4M50W7D	0.147 W (Output Power)	
824.2-835 MHz	MO	240KG7W	0.617 W (Output Power)	

This authorization effective October 05, 2015 and
will expire 3:00 A.M. EST April 03, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Merced, CA: airborne, max altitude 400 ft, within 10 km, centered around NL 37-19-26; WL 120-18-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824.2-835 MHz	MO	4M15F9W 1M12G7D 1M13W7D 2M71G7D 2M71W7D 244KGXW 4M49G7D 4M49W7D	0.617 W (Output Power)	
845-846.5 MHz	MO	244KGXW 240KG7W 1M12G7D 1M13W7D	0.617 W (Output Power)	
1710.7-1720 MHz	MO	4M14F9W 1M12G7D 1M13W7D 2M72G7D 2M71W7D 4M50G7D 4M52W7D	0.415 W (Output Power)	
1730-1735 MHz	MO	4M14F9W 1M12G7D 1M13W7D 2M72G7D 2M71W7D 4M50G7D 4M52W7D	0.415 W (Output Power)	

Frequency Information

MOBILE: Merced, CA: airborne, max altitude 400 ft, within 10 km, centered around NL 37-19-26; WL 120-18-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1865-1885 MHz	MO		0.94 W (Output Power)	
		242KGXW		
		245KG7W		
		4M15F9W		
		1M12G7D		
		1M12W7D		
		2M72G7D		
		2M72W7D		
		4M51G7D		
		4M50W7D		
		8M98G7D		
		9M00W7D		
		13M5G7D		
		13M4W7D		
		17M9G7D		
		17M9W7D		
1895-1910 MHz	MO		0.94 W (Output Power)	
		242KGXW		
		245KG7W		
		4M15F9W		
		1M12G7D		
		1M12W7D		
		2M72G7D		
		2M72W7D		
		4M51G7D		
		4M50W7D		
		8M98G7D		
		9M00W7D		

Frequency Information

MOBILE: Merced, CA: airborne, max altitude 400 ft, within 10 km, centered around NL 37-19-26; WL 120-18-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
706.5-713.5 MHz	MO	4M47G7D 4M50D7W	0.282 W (Output Power)	
824.2-835 MHz	MO	250KGXW 239KG7W 1M28F9W 1M07G7D 1M08D7W 4M16F9W	0.7112 W (Output Power)	
845-846.5 MHz	MO	250KGXW 239KG7W 1M28F9W 1M07G7D 1M08D7W	0.7112 W (Output Power)	
1710.7-1720 MHz	MO	4M15F9W 1M08G7D 1M11D7W	0.4966 W (Output Power)	
1730-1735 MHz	MO	4M15F9W 1M08G7D 1M11D7W	0.4966 W (Output Power)	
1865-1885 MHz	MO	251KGXW 245KG7W 1M29F9W 4M20F9W 1M07G7D	1.5959 W (Output Power)	

Frequency Information

MOBILE: Merced, CA: airborne, max altitude 400 ft, within 10 km, centered around NL 37-19-26; WL 120-18-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1865-1885 MHz	MO	1M08D7W 17M7G7D 17M8D7W	1.5959 W (Output Power)	
1895-1909.8 MHz	MO	251KGXW 245KG7W 1M29F9W 4M20F9W 1M07G7D 1M08D7W	1.5959 W (Output Power)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
825.5-835 MHz	MO	4M17F9W 2M90G7D 2M90W7D	0.199 W (Output Power)	
1865-1885 MHz	MO	4M17F9W 13M6G7D 1M10W7D 18M1G7D 18M1W7D	0.1811 W (Output Power)	
1895-1909.3 MHz	MO	4M17F9W 1M10W7D	0.1706 W (Output Power)	

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) Operation is conditioned upon consent of the licensee(s) of other stations that are authorized to operate on the frequencies set forth above and within the specified test location.
- (3) Licensee of this authorization will be subject to immediate shutdown if interference occurs to other stations licensed on these frequencies.
- (4) Operation shall be limited to use of commercially available mobile devices as certified by the FCC.
- (5) The location of testing is limited to the test area delineated by a ten kilometer radius around coordinates 37° 19' 26" N 120° 18' 39" W.
- (6) Operation of any mobile device shall not exceed 400 ft AGL.