

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

EXPERIMENTAL

(Nature of Service)

WJ9XHE

(Call Sign)

XT FX MO

(Class of Station)

1234-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:

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: Truth or Consequences, NM: Airborne max altitude 25,000 ft MSL, within 70 km, centered around NL 32-59-25; WL 106-58-11
- (2) Truth or Consequences (SIERRA), NM - NL 32-59-39; WL 106-58-29
- (3) Truth or Consequences (SIERRA), NM - NL 32-56-27; WL 106-55-15
- (4) MOBILE: Truth or Consequences, NM: Airborne max altitude 25,000 ft MSL, within 40 km, centered around NL 32-59-25; WL 106-58-11
- (5) MOBILE: Carlin, NV: Airborne max altitude 25,000 ft MSL, within 160 km, centered around NL 40-25-26; WL 116-16-34
- (6) MOBILE: Truth or Consequences, NM, within 40 km, centered around NL 32-59-25; WL 106-58-11
- (7) MOBILE: Carlin, NV, within 160 km, centered around NL 40-25-26; WL 116-16-34

This authorization effective January 04, 2016 and
will expire 3:00 A.M. EST July 04, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Truth or Consequences, NM: Airborne max altitude 25,000 ft MSL, within 70 km, centered around NL 32-59-25; WL 106-58-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.9-28.2 GHz	MO	300MA2D	4 W (Output Power)	

Truth or Consequences (SIERRA), NM - NL 32-59-39; WL 106-58-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
31-31.3 GHz	FX	300MD1D	12 W (Output Power)	

Truth or Consequences (SIERRA), NM - NL 32-56-27; WL 106-55-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
31-31.3 GHz	FX	300MD1D	12 W (Output Power)	

MOBILE: Truth or Consequences, NM: Airborne max altitude 25,000 ft MSL, within 40 km, centered around NL 32-59-25; WL 106-58-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.145-2.155 GHz	MO	10M0A2D	5 W (Output Power)	

Frequency Information

MOBILE: Carlin, NV: Airborne max altitude 25,000 ft MSL, within 160 km, centered around NL 40-25-26; WL 116-16-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.145-2.155 GHz	MO	10M0A2D	5 W (Output Power)	

MOBILE: Truth or Consequences, NM, within 40 km, centered around NL 32-59-25; WL 106-58-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.745-1.755 GHz	MO	10M0A2D	0.25 W (Output Power)	

MOBILE: Carlin, NV, within 160 km, centered around NL 40-25-26; WL 116-16-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.745-1.755 GHz	MO	10M0A2D	0.25 W (Output Power)	

Special Conditions:

- (1) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (2) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operation at Station Locations 1, 2, 3, 4, and 6, at Truth or Consequences, NM, must be coordinated with Spaceport America. Spaceport America, in turn, must coordinate spectrum use with their White Sands Missile Range (WSMR) liaison. The WSMR liaison will schedule the operations as a WSMR Range mission, and will deconflict the spectrum and airspace with other DoD operations in the region.
- (5) Operations are with the understanding that the air-to-ground and ground-to-air radio links will not be used for operation of the host aircraft.
- (6) Prior to operation, licensee must coordinate with Part 25 stations authorized to operate in these frequency bands that are located within a within a 40 km radius of the transmitter.