

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

EXPERIMENTAL

(Nature of Service)

WK9XTG

(Call Sign)

XT FX MO

(Class of Station)

1570-EX-ST-2016

(File Number)

NAME The Walt Disney Company

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:

The purposes of the operation is development and testing of UWB radio equipment at Walt Disney World and Disneyland Resorts.

Station Locations

- (1) Anaheim (ORANGE), CA - NL 33-48-57; WL 117-55-15; MOBILE: , within 0.8 km
- (2) Lake Buena Vista (ORANGE), FL - NL 28-25-09; WL 81-35-11; MOBILE: , within 8.5 km

Frequency Information

Anaheim (ORANGE), CA - NL 33-48-57; WL 117-55-15; MOBILE: , within 0.8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3244.8-3744 MHz	FX	500MP1D	0.014 W (ERP)	0.002 %
3244.8-3744 MHz	MO	500MP1D	0.003 W (ERP)	0.002 %
3244.8-3744 MHz	FX	500MP1D	0.003 W (ERP)	0.002 %

This authorization effective January 12, 2017 and
will expire 3:00 A.M. EST June 30, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Anaheim (ORANGE), CA - NL 33-48-57; WL 117-55-15; MOBILE: , within 0.8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3244.8-3744 MHz	MO	500MP1D	0.014 W (ERP)	0.002 %
3543.6-4443.6 MHz	MO	900MP1D	0.003 W (ERP)	0.002 %
3543.6-4443.6 MHz	FX	900MP1D	0.016 W (ERP)	0.002 %
3543.6-4443.6 MHz	FX	900MP1D	0.006 W (ERP)	0.002 %
3543.6-4443.6 MHz	MO	900MP1D	0.016 W (ERP)	0.002 %
3744-4243.2 MHz	MO	500MP1D	0.025 W (ERP)	0.002 %
3774-4243.2 MHz	FX	500MP1D	0.01 W (ERP)	0.002 %
3774-4243.2 MHz	MO	500MP1D	0.004 W (ERP)	0.002 %
3774-4243.2 MHz	FX	500MP1D	0.025 W (ERP)	0.002 %
4243.2-4742.4 MHz	FX	500MP1D	0.04 W (ERP)	0.002 %

Frequency Information

Anaheim (ORANGE), CA - NL 33-48-57; WL 117-55-15; MOBILE: , within 0.8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4243.2-4742.4 MHz	MO	500MP1D	0.004 W (ERP)	0.002 %
4243.2-4742.4 MHz	FX	500MP1D	0.016 W (ERP)	0.002 %
4243.2-4742.4 MHz	MO	500MP1D	0.04 W (ERP)	0.002 %
6039.6-6939.6 MHz	FX	900MP1D	0.032 W (ERP)	0.002 %
6039.6-6939.6 MHz	MO	900MP1D	0.014 W (ERP)	0.002 %
6039.6-6939.6 MHz	FX	900MP1D	0.025 W (ERP)	0.002 %
6039.6-6939.6 MHz	MO	900MP1D	0.032 W (ERP)	0.002 %
6240-6739.2 MHz	FX	500MP1D	0.05 W (ERP)	0.002 %
6240-6739.2 MHz	MO	500MP1D	0.022 W (ERP)	0.002 %
6240-6739.2 MHz	FX	500MP1D	0.04 W (ERP)	0.002 %

Frequency Information

Anaheim (ORANGE), CA - NL 33-48-57; WL 117-55-15; MOBILE: , within 0.8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6240-6739.2 MHz	MO	500MP1D	0.05 W (ERP)	0.002 %

Lake Buena Vista (ORANGE), FL - NL 28-25-09; WL 81-35-11; MOBILE: , within 8.5 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3244.8-3744 MHz	FX	500MP1D	0.014 W (ERP)	0.002 %
3244.8-3744 MHz	MO	500MP1D	0.003 W (ERP)	0.002 %
3244.8-3744 MHz	FX	500MP1D	0.003 W (ERP)	0.002 %
3244.8-3744 MHz	MO	500MP1D	0.014 W (ERP)	0.002 %
3543.6-4443.6 MHz	MO	900MP1D	0.003 W (ERP)	0.002 %
3543.6-4443.6 MHz	FX	900MP1D	0.016 W (ERP)	0.002 %
3543.6-4443.6 MHz	FX	900MP1D	0.006 W (ERP)	0.002 %
3543.6-4443.6 MHz	MO	900MP1D	0.016 W (ERP)	0.002 %

Frequency Information

Lake Buena Vista (ORANGE), FL - NL 28-25-09; WL 81-35-11; MOBILE: , within 8.5 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3744-4243.2 MHz	MO	500MP1D	0.025 W (ERP)	0.002 %
3774-4243.2 MHz	FX	500MP1D	0.01 W (ERP)	0.002 %
3774-4243.2 MHz	MO	500MP1D	0.004 W (ERP)	0.002 %
3774-4243.2 MHz	FX	500MP1D	0.025 W (ERP)	0.002 %
4243.2-4742.4 MHz	FX	500MP1D	0.04 W (ERP)	0.002 %
4243.2-4742.4 MHz	MO	500MP1D	0.004 W (ERP)	0.002 %
4243.2-4742.4 MHz	FX	500MP1D	0.016 W (ERP)	0.002 %
4243.2-4742.4 MHz	MO	500MP1D	0.04 W (ERP)	0.002 %
6039.6-6939.6 MHz	FX	900MP1D	0.032 W (ERP)	0.002 %
6039.6-6939.6 MHz	MO	900MP1D	0.014 W (ERP)	0.002 %

Frequency Information

Lake Buena Vista (ORANGE), FL - NL 28-25-09; WL 81-35-11; MOBILE: , within 8.5 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6039.6-6939.6 MHz	FX	900MP1D	0.025 W (ERP)	0.002 %
6039.6-6939.6 MHz	MO	900MP1D	0.032 W (ERP)	0.002 %
6240-6739.2 MHz	FX	500MP1D	0.05 W (ERP)	0.002 %
6240-6739.2 MHz	MO	500MP1D	0.022 W (ERP)	0.002 %
6240-6739.2 MHz	FX	500MP1D	0.04 W (ERP)	0.002 %
6240-6739.2 MHz	MO	500MP1D	0.05 W (ERP)	0.002 %

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (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) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (4) 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.
- (5) Walt Disney must maintain operation separation from the grandfathered earth stations as defined in Part 90, Sub-part Z, or coordinate and agreement with the grandfathered earth station licensees prior to accessing to 3650-3700 MHz.
- (6) Walt Disney must ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed area.
- (7) No transmissions are allowed in the 3500 - 3600 MHz band at both locations.

Special Conditions:

- (8) In accordance with Footnote US261 of the U.S. Table of Allocations, transmissions are not allowed in the 4200 - 4400 MHz band in order to protect airborne radio altimeters at both locations.
- (9) At least 5 business days prior to operating, the Walt Disney Company, must notify licensees of earth stations operating in the 3700-4200 MHz band within 15 kilometers of the locations from which experimental operations will occur. The Walt Disney Company, must also provide such notification to the National Spectrum Managers Association frequency coordinators by email. (see http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna pattern, antenna height(s), antenna orientation, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station in the 3700-4200 MHz band.
- (10) Stop buzzer POC is Bill Brasher, phone (321) 230-8954, email Bill.Brasher@disney.com or Bill Wiedefeld, phone (407) 824-7665, email William.G.Wiedefeld@disney.com.
- (11) There will be no automatic renewal for operations in the 3700-4200 MHz frequency band of this authorization.