

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WF2XNF

(Call Sign)

0441-EX-ST-2016

(File Number)

NAME Harris Corporation

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:

Demonstrations of a HF Wideband waveform for US Military Forces.

Station Locations

- (1) Kaneohe (HONOLULU), HI - NL 21-26-49; WL 157-45-11; MOBILE:within 8 km
- (2) Coronado (SAN DIEGO), CA - NL 32-41-58; WL 117-12-41; MOBILE:within 8 km
- (3) Monterey (MONTEREY), CA - NL 36-36-39; WL 121-56-55; MOBILE:within 16 km

Frequency Information

Kaneohe (HONOLULU), HI - NL 21-26-49; WL 157-45-11; MOBILE:within 8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6060 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
6060 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

This authorization effective April 30, 2016 and
will expire 3:00 A.M. EST June 30, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Kaneohe (HONOLULU), HI - NL 21-26-49; WL 157-45-11; MOBILE:within 8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6160 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
6160 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
6970 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
6970 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
7410 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
7410 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
7483 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
7483 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
7650 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
7650 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Kaneohe (HONOLULU), HI - NL 21-26-49; WL 157-45-11; MOBILE:within 8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7698 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
7698 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
7990 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
7990 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
8060 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
8060 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
9050 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
9050 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
9350 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
9350 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Kaneohe (HONOLULU), HI - NL 21-26-49; WL 157-45-11; MOBILE:within 8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10200 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
10200 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
10400 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
10400 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
10600 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
10600 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
10800 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
10800 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
11550 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
11550 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Kaneohe (HONOLULU), HI - NL 21-26-49; WL 157-45-11; MOBILE:within 8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12090 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
12090 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
13850 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
13850 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
14550 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
14550 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
16684.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
16684.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
16685.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
16685.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Kaneohe (HONOLULU), HI - NL 21-26-49; WL 157-45-11; MOBILE:within 8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16687.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
16687.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
16692.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
16692.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
16811 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
16811 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
18200 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
18200 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
19400 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
19400 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Kaneohe (HONOLULU), HI - NL 21-26-49; WL 157-45-11; MOBILE:within 8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20800 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
20800 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
22288.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
22288.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
22297 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
22297 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
22380.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
22380.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Coronado (SAN DIEGO), CA - NL 32-41-58; WL 117-12-41; MOBILE:within 8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6060 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Coronado (SAN DIEGO), CA - NL 32-41-58; WL 117-12-41; MOBILE:within 8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6060 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
6160 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
6160 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
6970 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
6970 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
7410 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
7410 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
7483 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
7483 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
7650 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Coronado (SAN DIEGO), CA - NL 32-41-58; WL 117-12-41; MOBILE:within 8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7650 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
7698 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
7698 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
7990 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
7990 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
8060 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
8060 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
9050 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
9050 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
9350 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Coronado (SAN DIEGO), CA - NL 32-41-58; WL 117-12-41; MOBILE:within 8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9350 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
10200 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
10200 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
10400 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
10400 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
10600 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
10600 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
10800 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
10800 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
11550 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Coronado (SAN DIEGO), CA - NL 32-41-58; WL 117-12-41; MOBILE:within 8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11550 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
12090 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
12090 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
13850 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
13850 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
14550 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
14550 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
16684.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
16684.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
16685.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Coronado (SAN DIEGO), CA - NL 32-41-58; WL 117-12-41; MOBILE:within 8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16685.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
16687.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
16687.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
16692.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
16692.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
16811 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
16811 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
18200 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
18200 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
19400 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Coronado (SAN DIEGO), CA - NL 32-41-58; WL 117-12-41; MOBILE:within 8 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
19400 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
20800 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
20800 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
22288.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
22288.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
22297 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
22297 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
22380.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
22380.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Monterey (MONTEREY), CA - NL 36-36-39; WL 121-56-55; MOBILE:within 16 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6060 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
6060 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
6160 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
6160 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
6970 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
6970 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
7410 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
7410 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
7483 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
7483 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Monterey (MONTEREY), CA - NL 36-36-39; WL 121-56-55; MOBILE:within 16 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7650 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
7650 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
7698 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
7698 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
7990 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
7990 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
8060 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
8060 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
9050 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
9050 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Monterey (MONTEREY), CA - NL 36-36-39; WL 121-56-55; MOBILE:within 16 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9350 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
9350 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
10200 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
10200 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
10400 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
10400 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
10600 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
10600 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
10800 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
10800 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Monterey (MONTEREY), CA - NL 36-36-39; WL 121-56-55; MOBILE:within 16 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11550 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
11550 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
12090 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
12090 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
13850 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
13850 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
14550 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
14550 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
16684.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
16684.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Monterey (MONTEREY), CA - NL 36-36-39; WL 121-56-55; MOBILE:within 16 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16685.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
16685.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
16687.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
16687.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
16692.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
16692.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
16811 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
16811 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
18200 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
18200 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Frequency Information

Monterey (MONTEREY), CA - NL 36-36-39; WL 121-56-55; MOBILE:within 16 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
19400 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
19400 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
20800 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
20800 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
22288.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
22288.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
22297 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
22297 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %
22380.5 kHz	FX	24K0J1D	400 W (ERP)	0.0015 %
22380.5 kHz	MO	24K0J1D	400 W (ERP)	0.0015 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Prior to the start of operations, Harris must provide a STOP BUZZER point of contact to the following:

Kenneth Taylor
Navy Marine Corp Spectrum Office
Email: Kennth.taylor2@navy.mil
Phone: 301-225-3833

- (3) The following frequencies are used for international distress (GMDSS) and are protected from any possible interference by ITU Appendix 15.

K6216.4 K16695

- (4) This authorization SUPERSEDES the previously issued authorization with the same call sign and file number: adds Special Condition #3.