

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WG2XLG

(Call Sign)

0523-EX-CR-2018

(File Number)

NAME Harris Corporation

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(g & j) of the Commission's Rules

Station Locations

- (1) MOBILE: Melbourne, FL, within 17 km, centered around NL 28-06-37; WL 80-42-01
- (2) MOBILE: Tampa, FL, within 17 km, centered around NL 27-56-38; WL 82-31-32
- (3) MOBILE: Rochester, NY, within 17 km, centered around NL 43-08-49; WL 77-33-27
- (4) MOBILE: Ft. Huachuca, AZ, within 17 km, centered around NL 31-33-54; WL 110-21-21
- (5) MOBILE: Yuma, AZ, within 17 km, centered around NL 33-00-56; WL 114-14-37
- (6) MOBILE: Camp Pendleton, CA, within 17 km, centered around NL 33-21-52; WL 117-24-36
- (7) MOBILE: Camp Roberts, CA, within 17 km, centered around NL 35-47-19; WL 120-46-55
- (8) MOBILE: China Lake NWS, CA, within 17 km, centered around NL 35-52-36; WL 117-38-27
- (9) MOBILE: NAS Point Magu, CA, within 17 km, centered around NL 34-06-42; WL 119-06-50
- (10) MOBILE: Ft. Benning, GA, within 17 km, centered around NL 32-21-08; WL 84-58-07
- (11) MOBILE: Ft. Gordon, GA, within 17 km, centered around NL 33-25-17; WL 82-09-56
- (12) MOBILE: Aberdeen, MD, within 17 km, centered around NL 39-28-10; WL 76-06-32
- (13) MOBILE: Pax River NAS, MD, within 17 km, centered around NL 38-16-59; WL 76-24-57
- (14) MOBILE: Fort Dix, NJ, within 17 km, centered around NL 40-00-41; WL 74-30-14
- (15) MOBILE: Fort Monmouth, NJ, within 17 km, centered around NL 40-18-54; WL 74-02-42
- (16) MOBILE: Fort Bliss, TX, within 17 km, centered around NL 31-55-48; WL 106-14-55
- (17) MOBILE: Fort AP Hill, VA, within 17 km, centered around NL 38-06-16; WL 77-15-47
- (18) MOBILE: Fort Bragg, NC, within 17 km, centered around NL 35-08-59; WL 78-59-29
- (19) MOBILE: Ft. Story/Ft. Eustis, VA, within 17 km, centered around NL 36-55-25; WL 76-01-03

This authorization effective December 01, 2018 and
will expire 3:00 A.M. EST December 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

(20) MOBILE: Langley AFB, VA, within 17 km, centered around NL 37-05-12; WL 76-21-32

(21) MOBILE: Norfolk, VA, within 17 km, centered around NL 36-55-22; WL 76-18-14

Frequency Information

MOBILE: Melbourne, FL, within 17 km, centered around NL 28-06-37; WL 80-42-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

MOBILE: Tampa, FL, within 17 km, centered around NL 27-56-38; WL 82-31-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

Frequency Information

MOBILE: Rochester, NY, within 17 km, centered around NL 43-08-49; WL 77-33-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

MOBILE: Ft. Huachuca, AZ, within 17 km, centered around NL 31-33-54; WL 110-21-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

Frequency Information

MOBILE: Yuma, AZ, within 17 km, centered around NL 33-00-56; WL 114-14-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

MOBILE: Camp Pendleton, CA, within 17 km, centered around NL 33-21-52; WL 117-24-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

Frequency Information

MOBILE: Camp Roberts, CA, within 17 km, centered around NL 35-47-19; WL 120-46-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

MOBILE: China Lake NWS, CA, within 17 km, centered around NL 35-52-36; WL 117-38-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

Frequency Information

MOBILE: NAS Point Magu, CA, within 17 km, centered around NL 34-06-42; WL 119-06-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

MOBILE: Ft. Benning, GA, within 17 km, centered around NL 32-21-08; WL 84-58-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

Frequency Information

MOBILE: Ft. Gordon, GA, within 17 km, centered around NL 33-25-17; WL 82-09-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

MOBILE: Aberdeen, MD, within 17 km, centered around NL 39-28-10; WL 76-06-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

Frequency Information

MOBILE: Pax River NAS, MD, within 17 km, centered around NL 38-16-59; WL 76-24-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

MOBILE: Fort Dix, NJ, within 17 km, centered around NL 40-00-41; WL 74-30-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

Frequency Information

MOBILE: Fort Monmouth, NJ, within 17 km, centered around NL 40-18-54; WL 74-02-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

MOBILE: Fort Bliss, TX, within 17 km, centered around NL 31-55-48; WL 106-14-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

Frequency Information

MOBILE: Fort AP Hill, VA, within 17 km, centered around NL 38-06-16; WL 77-15-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

MOBILE: Fort Bragg, NC, within 17 km, centered around NL 35-08-59; WL 78-59-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

Frequency Information

MOBILE: Ft. Story/Ft. Eustis, VA, within 17 km, centered around NL 36-55-25; WL 76-01-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

MOBILE: Langley AFB, VA, within 17 km, centered around NL 37-05-12; WL 76-21-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

Frequency Information

MOBILE: Norfolk, VA, within 17 km, centered around NL 36-55-22; WL 76-18-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0A2D	8 W (ERP)	1 %
777-787 MHz	MO	10M0A2D	8 W (ERP)	1 %
1710-1755 MHz	MO	10M0A2D	20 W (ERP)	1 %
2110-2155 MHz	MO	10M0A2D	20 W (ERP)	1 %

Special Conditions:

- (1) Operation on Commercial Mobile Radio Services (CMRS) frequencies requires consent of CMRS licensees to avoid interference.
- (2) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.