

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

EXPERIMENTAL

(Nature of Service)

WM9XBT

(Call Sign)

XT MO

(Class of Station)

1449-EX-ST-2019

(File Number)

NAME L3Harris Technologies

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:

Demonstration is for a few hours during daytime and no more than 2 days a month.

Station Locations

- (1) MOBILE: Pocahontas State Park, VA with 100 km radius, within 100 km, centered around NL 37-22-22; WL 77-34-45

Frequency Information

MOBILE: Pocahontas State Park, VA with 100 km radius, within 100 km, centered around NL 37-22-22; WL 77-34-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.45 MHz	MO	100HA1A 2K80J3E	30 W (ERP)	
27.47 MHz	MO	100HA1A 2K80J3E	30 W (ERP)	

This authorization effective August 19, 2019 and
will expire 3:00 A.M. EST February 12, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.71 MHz	MO	100HA1A 2K80J3E	30 W (ERP)	
29.73 MHz	MO	100HA1A 2K80J3E	30 W (ERP)	
29.75 MHz	MO	100HA1A 2K80J3E	30 W (ERP)	
29.77 MHz	MO	100HA1A 2K80J3E	30 W (ERP)	
29.79 MHz	MO	100HA1A 2K80J3E	30 W (ERP)	
43.4 MHz	MO	16K0F3E	19 W (ERP)	
44.6 MHz	MO	16K0F3E	19 W (ERP)	
48.56 MHz	MO	16K0F3E	19 W (ERP)	
48.72 MHz	MO	16K0F3E	19 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
49.48 MHz	MO	16K0F3E	19 W (ERP)	
151.76 MHz	MO	11K0F3E 7K60F1E 4K00F1E	5 W (ERP)	
151.9175 MHz	MO	11K0F3E 7K60F1W 4K00F1E	5 W (ERP)	
152.465 MHz	MO	11K0F3E 7K60F1W 4K00F1E	5 W (ERP)	
152.8775 MHz	MO	11K0F3E 7K60F1W 4K00F1E	5 W (ERP)	
153.005 MHz	MO	11K0F3E 7K60F1W 4K00F1E	5 W (ERP)	
154.5275 MHz	MO	11K0F3E 7K60F1W 4K00F1E	5 W (ERP)	

Frequency Information

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158.4 MHz	MO	11K0F3E 7K60F1W 4K00F1E	5 W (ERP)	
159.63 MHz	MO	11K0F3E 7K60F1W 4K00F1E	5 W (ERP)	
173.225 MHz	MO	11K0F3E 7K60F1W 4K00F1E	5 W (ERP)	
173.375 MHz	MO	11K0F3E 7K60F1W 4K00F1E	5 W (ERP)	
451.325 MHz	MO	11K0F3E 7K60F1W 4K00F1E	4 W (ERP)	
452.625 MHz	MO	11K0F3E 7K60F1W 4K00F1E	4 W (ERP)	
452.975 MHz	MO	11K0F3E 7K60F1W	4 W (ERP)	

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452.975 MHz	MO	4K00F1E	4 W (ERP)	
456.5 MHz	MO	11K0F3E 7K60F1W 4K00F1E	4 W (ERP)	
457.25 MHz	MO	11K0F3E 7K60F1W 4K00F1E	4 W (ERP)	
457.975 MHz	MO	11K0F3E 7K60F1W 4K00F1E	4 W (ERP)	
458 MHz	MO	11K0F3E 7K60F1W 4K00F1E	4 W (ERP)	
462.325 MHz	MO	11K0F3E 7K60F1W 4K00F1E	4 W (ERP)	
462.45 MHz	MO	11K0F3E 7K60F1W 4K00F1E	4 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
467.45 MHz	MO	11K0F3E 7K60F1W 4K00F1E	4 W (ERP)	
811.7875 MHz	MO	7K60F1W	2.5 W (ERP)	
813.3875 MHz	MO	7K60F1W	2.5 W (ERP)	
814.4125 MHz	MO	7K60F1W	2.5 W (ERP)	
854.7625 MHz	MO	7K60F1W	2.5 W (ERP)	
856.7875 MHz	MO	7K60F1W	2.5 W (ERP)	
857.8625 MHz	MO	7K60F1W	2.5 W (ERP)	
858.3875 MHz	MO	7K60F1W	2.5 W (ERP)	
859.4125 MHz	MO	7K60F1W	2.5 W (ERP)	
896.2 MHz	MO	7K60F1W	2.5 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
898.65 MHz	MO	7K60F1W	2.5 W (ERP)	
900.3875 MHz	MO	7K60F1W	2.5 W (ERP)	
900.675 MHz	MO	7K60F1W	2.5 W (ERP)	
935.2 MHz	MO	7K60F1W	2.5 W (ERP)	
935.7375 MHz	MO	7K60F1W	2.5 W (ERP)	
935.9125 MHz	MO	7K60F1W	2.5 W (ERP)	
936.6375 MHz	MO	7K60F1W	2.5 W (ERP)	
936.6625 MHz	MO	7K60F1W	2.5 W (ERP)	
937.65 MHz	MO	7K60F1W	2.5 W (ERP)	
939.3875 MHz	MO	7K60F1W	2.5 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
939.675 MHz	MO	7K60F1W	2.5 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (4) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (5) Operation must be consented by the following within 50 miles of the test area:
 - Paging Service licensees in 43 MHz
 - Paging Service licensees in 152 MHz
 - Paging Service licensees in 158 MHz
 - Paging Service licensees in 152 MHz/158 MHz
 - SMR licensees (809-824 MHz/854-869 MHz)
 - B/ILT licensees (809-824 MHz/854-869 MHz)
 - SMR licensees (896-901 MHz/935-940 MHz)
 - B/ILT licensees (896-901 MHz/935-940 MHz)
- (6) L3 Harris Technologies must coordinate with the National Radio Quiet Zone, PauletteWoody, nrqz@gb.nrao.edu, phone: (304) 456-2107, prior to operations.