

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WK2XSB

(Call Sign)

0043-EX-CN-2020

(File Number)

NAME L3Harris Technologies

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(j) of the Commission's Rules

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)	
29.71 MHz	MO	100HA1A 2K80J3E	30 W (ERP)	

This authorization effective February 05, 2020 and
will expire 3:00 A.M. EST February 01, 2022

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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)	
49.48 MHz	MO	16K0F3E	19 W (ERP)	
151.76 MHz	MO	11K0F3E	5 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.76 MHz	MO	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)	
158.4 MHz	MO	11K0F3E 7K60F1W 4K00F1E	5 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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 4K00F1E	4 W (ERP)	
456.5 MHz	MO	11K0F3E 7K60F1W	4 W (ERP)	

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456.5 MHz	MO	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)	
467.45 MHz	MO	11K0F3E 7K60F1W 4K00F1E	4 W (ERP)	

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

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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)	
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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) 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.
- (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.
- (7) Operation must be coordinated by the following within 100 miles of the test area:
 - Public Safety licensees 811-940 MHz band.