



Engineering Solutions & Electromagnetic Compatibility Services

FCC & ISSED Class 2 Permissive Change Report

**L3Harris Technologies, Inc.
221 Jefferson Ridge Parkway
Lynchburg, VA 24501**

**Model: XL-300P UHF/VHF/7/800 MHz
MultiBand Portable Radio**

**FCC ID: OWDTR-0179-E
IC: 3636B-0179**

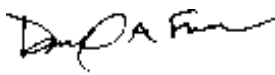
March 11, 2026

Standards Referenced for this Report	
Part 2: 2026	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
Part 15B: 2026	Radio Frequency Devices
Part 90: 2023	Private Land Portable Radio Services
ANSI C63.26-2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services
RSS-119 Issue 12	Land Mobile and Fixed Radio Transmitters and Receivers 27.41 to 960.0 MHz
ICES-003 Issue 7	Information Technology Equipment (Including Digital Apparatus) — Limits and Methods of Measurement

Report Prepared By: Daniel W. Baltzell

Document Number: 2026018

I, the undersigned, hereby declare that the equipment tested and referenced in this report conforms to the identified standard(s) as described in this test report. No modifications were made to the equipment during testing in order to achieve compliance with these standards. Furthermore, there was no deviation from, additions to, or exclusions from the standards referenced above.

Signature: 

Date: March 11, 2026

Typed/Printed Name: Desmond A. Fraser

Position: President

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This replaces Report R0.0.*

*These tests are accredited and meet the requirements of ISO/IEC 17025 as verified by ANAB.
Refer to certificate and scope of accreditation AT-1445.*

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1 Test Result Summary

Test	FCC Reference	ISED Reference	Result
Field Strength of Spurious Radiation	2.1053(a)	RSS-Gen 6.13	Compliant

2 General Information

The following Class 2 Permissive Change Report is prepared on behalf of L3Harris Technologies, Inc. in accordance with the Federal Communications Commission and ISED rules and regulations. The Equipment Under Test (EUT) was the XL-300P UHF/VHF/7/800 MHz MultiBand Portable Radio.

All measurements contained in this application were conducted in accordance with the applicable sections of FCC Rules and Regulations CFR 47 Parts 2, 15, and 90, and ISED RSS-119. Calibration checks are performed regularly on the instruments, and all accessories including high pass filter, coaxial attenuator, preamplifier and cables.

2.1 Measurement Uncertainty

The measurement uncertainty complies with CISPR 16-4-2 limits and is not used to adjust measurements for compliance determination. Expanded uncertainty (U) for each scope, calculated per ANSI/NCSL Z540-2-1997 (R2002) with a type B evaluation, is provided in this RTL report. While this demonstrates RTL's commitment to transparency, compliance decisions are based solely on comparing measured values directly to the relevant standards' limits.

2.2 Test Facility

The open area test site and conducted measurement facility used to collect the radiated data is located on the parking lot of Rhein Tech Laboratories, Inc., 360 Herndon Parkway, Suite 1400, Herndon, Virginia 20170.

ISED CAB ID: US0079, Company Number: 2956A

2.3 Related Submittal(s)/Grant(s)

This is a Class 2 Permissive Change to the existing FCC grant/ISED Certificate: OWDTR-0179-E/3636B-0179. The permissive change populated components on an existing PCB board that was previously depopulated in an area reserved for the EM8695 chipset, on the original grant.

2.4 Tested System Details

The test sample was received on February 27, 2028. Listed below are the identifiers and descriptions of all equipment, cables, and internal devices used with the EUT for this test, as applicable.

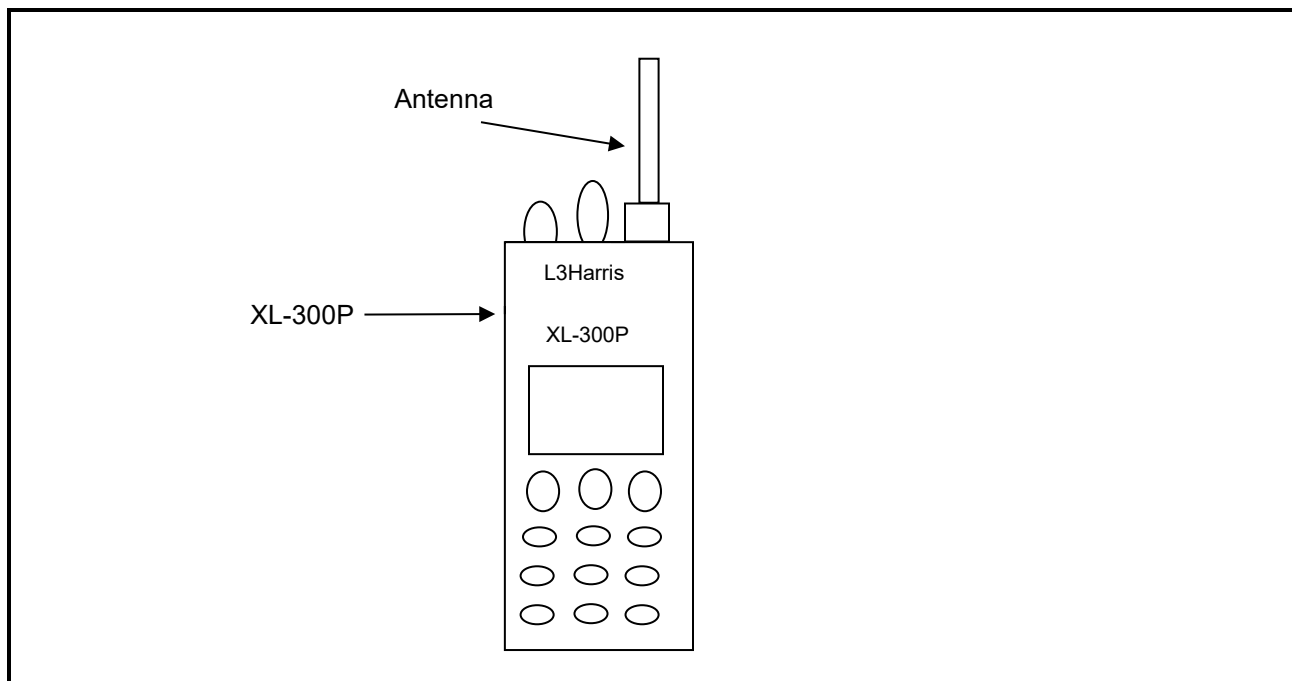
Table 2-1: Equipment Under Test (EUT)

Part	Manufacturer	Model	Serial Number	FCC#	Barcode
Portable Radio	L3Harris Technologies, Inc.	XL-300P with EM8695/14038-1030-01	A40342F00160	OWDTR-0179-E	24628
Full Spectrum Antenna (-5 dBi, 136-870 MHz)	L3Harris Technologies, Inc.	14035-4000-01	N/A	N/A	23499
Antenna (-2 dBi, (378-520, 762-870)	L3Harris Technologies, Inc.	14035-4420-01	N/A	N/A	24166

Table 2-2: Auxiliary Equipment

Part	Manufacturer	Model	Part Number	FCC ID	RTL Bar Code
Microphone	L3Harris Technologies, Inc.	EM105	N/A	N/A	21563

Figure 2-1: Configuration of Tested System



2.5 EUT Exercise Description

The EUT was supplied with the ability to change frequencies for testing radiated emissions. The EUT was tested in all three orthogonal planes in order to determine worst-case emissions. The EUT was provided with software to continuously transmit during testing. The carrier was also checked to verify that information was being transmitted. There were no deviations from the test standard(s) and/or methods. The test results reported relate only to the item tested.

The EUT was configured for testing in a manner simulating a typical end-user configuration. All circuitry, clocks, and oscillators were powered, and all functions were active. Applicable I/O ports to be cabled or loaded included Ethernet and data programming cables. For testing purposes, the EUT was programmed using a generic programming board.

3 FCC Part 2.1046(a): RF power output: Conducted

3.1 Test Procedure

ANSI C63.26, section 5.2

The EUT was connected to a coaxial attenuator having a 50 Ω load impedance. Manufacturer's rated power: VHF 6W, UHF 5W, 700/800 MHz bands 3 W.

Table 3-1: Environmental Conditions

Date	Temperature (°C)	Humidity (%)	Atmospheric Pressure (kPa)
02/27/2026	23.8	33	100.5

3.2 Test Data

Table 3-2: RF Conducted Output Power – Measured

Frequency (MHz)	High Power (dBm)	High Power (W)
136.0125	38.2	6.6
155.0000	38.1	6.5
173.9875	38.1	6.4
378.0125	37.5	5.6
450.0000	37.4	5.5
521.9875	37.3	5.3
769.0125	34.2	2.7
772.0000	34.2	2.6
774.9875	34.3	2.7
799.0125	34.3	2.7
802.5000	34.3	2.7
805.9875	34.2	2.6
806.0125	35.1	3.2
815.0000	35.2	3.3
823.9875	35.3	3.4
851.0125	35.4	3.5
860.0000	35.4	3.4
868.9875	35.2	3.3

Notes: The Data presented is for the analog mode. All other modes were investigated and found to have equivalent power within measurement tolerances.

Measurement uncertainties shown for these tests are expanded uncertainties expressed at the 95% confidence level, using a coverage factor of K = 2. Measurement uncertainty: ± 0.5 dB.

Rhein Tech Laboratories, Inc.
360 Herndon Parkway
Suite 1400
Herndon, VA 20170
<http://www.rheintech.com>

Client: L3Harris Technologies, Inc
Model: XL-300P UHF/VHF/7/800 MHz
IDs: OWDTR-0179-E/3636B-0179
Standards: FCC Part 90/ISED RSS-119
Report #: 2026018

Table 3-3: Test Equipment Used For Testing RF Power Output - Conducted

RTL Asset #	Manufacturer	Model	Part Type	Serial Number	Calibration Due Date
901773	Rohde & Schwarz	FSW50	Analyzer	101021	05/30/2027
901338	Weinschel Corp	46-40-34	40 dB Attenuator	BM0556	02/07/2027

Results: Pass

Test Personnel:

Daniel W. Baltzell		February 27, 2025
EMC Test Engineer	Signature	Date of Test

4 FCC Part 2.1053(a): Field Strength of Spurious Radiation; Part 90.543: Out of Band Emissions Limit; RSS-Gen 6.13: Transmitter Unwanted Emissions

4.1 Test Procedure

ANSI 63.26, section 5.5.

The device uses digital modulation modulated to its maximum extent using a pseudo-random data sequence.

The spurious emissions levels were measured, and the device under test was replaced by a substitution antenna connected to a signal generator. This signal generator level was then corrected by subtracting the cable loss from the substitution antenna to the signal generator, and the gain of the antenna (dBi) was added to achieve the EIRP level, then converted from the corrected signal generator level (dBm) to dBc and compared to the limit.

For Tables 3.2 and 3.3 below, power was measured using ANSI C63.26, section 5.2. This measurement method is the same method used in the original application filing. This was the maximum level tested in the original application filing.

4.2 Test Data

Table 4-1: Environmental Conditions

Date	Temperature (°C)	Humidity (%)	Atmospheric Pressure (kPa)
February 28, 2026	13.3	55	100.6
March 9, 2026	21.7	31	100.6
March 10, 2026	27.2	31	100.5

Table 4-2: Field Strength of Spurious Radiation – 136.0125 MHz

Conducted Power 37.8 dBm; 6.0 W; Limit = $50+10\log P = 57.8$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
272.0250	52.4	-31.2	0.2	-0.5	69.7	-11.9
408.0375	34.7	-39.9	0.3	-0.4	78.4	-20.6
544.0500	31.9	-42.6	0.3	-0.7	81.4	-23.6
680.0625	23.2	-51.3	0.3	-0.9	90.3	-32.5
816.0750	26.8	-42.8	0.4	-1.5	82.5	-24.7
952.0875	18.1	-50.8	0.4	-0.9	89.9	-32.1
1088.1000	24.1	-47.8	0.4	4.6	81.4	-23.6
1224.1125	14.9	-56.6	0.4	4.8	90.0	-32.2
1360.1250	6.2	-64.6	0.5	5.6	97.3	-39.5

58.2

Table 4-3: Field Strength of Spurious Radiation – 155.0000 MHz

Conducted Power 38 dBm; 6.3 W; Limit = $50+10\log P = 58$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
310.0000	49.4	-32.4	0.2	-0.6	71.2	-13.2
465.0000	46.6	-28.3	0.3	-0.5	67.1	-9.1
620.0000	46.2	-29.4	0.3	-0.8	68.5	-10.5
775.0000	38.2	-31.5	0.4	-1.3	71.2	-13.2
930.0000	20.2	-49.0	0.4	-1.1	88.5	-30.5
1085.0000	24.5	-47.4	0.4	4.6	81.2	-23.2
1240.0000	19.2	-52.3	0.4	4.9	85.8	-27.8
1395.0000	6.8	-64.7	0.4	5.9	97.2	-39.2
1550.0000	10.4	-59.9	0.5	6.6	91.8	-33.8

Table 4-4: Field Strength of Spurious Radiation – 173.9875 MHz

Conducted Power 38.2 dBm; 6.6 W; Limit = $50+10\log P = 58.2$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
347.9750	57.9	-23.4	0.2	-0.5	62.3	-4.1
521.9625	44.1	-31.1	0.3	-0.6	70.2	-12.0
695.9500	43.9	-30.3	0.3	-0.9	69.7	-11.5
869.9375	44.6	-25.0	0.4	-1.4	65.0	-6.8
1043.9250	24.8	-47.6	0.4	4.5	81.7	-23.5
1217.9125	25.3	-46.2	0.4	4.8	80.0	-21.8
1391.9000	7.4	-64.1	0.4	5.9	96.8	-38.6
1565.8875	11.5	-58.8	0.5	6.7	90.8	-32.6
1739.8750	7.6	-60.6	0.5	6.5	92.8	-34.6

Table 4-5: Field Strength of Spurious Radiation – 378.0125 MHz

Conducted Power 37.5 dBm; 5.6 W; Limit = $50+10\log P = 57.5$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
756.0250	34.7	-38.0	0.4	-1.3	77.2	-19.7
1134.0375	33.1	-38.7	0.4	4.7	71.9	-14.4
1512.0500	32.7	-37.6	0.5	6.5	69.1	-11.6
1890.0625	8.2	-58.0	0.6	6.3	89.8	-32.3
2268.0750	14.8	-62.9	0.6	7.2	93.8	-36.3
2646.0875	2.2	-75.2	0.7	7.6	105.8	-48.3
3024.1000	3.7	-73.3	0.6	7.3	104.1	-46.6
3402.1125	4.3	-71.7	0.6	7.6	102.2	-44.7
3780.1250	4.5	-70.3	0.7	7.0	101.5	-44.0

Table 4-6: Field Strength of Spurious Radiation – 450.0000 MHz

Conducted Power 37.4 dBm; 5.5 W; Limit = $50+10\log P = 57.4$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
900.0000	39.8	-29.8	0.4	-1.2	68.8	-11.4
1350.0000	39.0	-32.1	0.5	5.6	64.4	-7.0
1800.0000	31.8	-36.4	0.5	6.7	67.6	-10.2
2250.0000	42.3	-35.4	0.6	7.1	66.3	-8.9
2700.0000	28.6	-49.1	0.6	7.7	79.4	-22.0
3150.0000	26.8	-49.2	0.7	7.1	80.2	-22.8
3600.0000	25.4	-50.3	0.7	7.6	80.8	-23.4
4050.0000	7.4	-62.3	0.7	7.8	92.6	-35.2
4500.0000	9.9	-60.8	0.8	8.8	90.2	-32.8

Table 4-7: Field Strength of Spurious Radiation – 521.9875 MHz

Conducted Power 37 dBm; 5.0 W; Limit = $50+10\log P = 57$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
1043.9750	35.0	-36.9	0.4	4.5	69.8	-12.8
1565.9625	30.3	-40.0	0.5	6.7	70.8	-13.8
2087.9500	26.2	-51.4	0.6	6.4	82.6	-25.6
2609.9375	13.8	-63.6	0.6	7.5	93.7	-36.7
3131.9250	18.2	-57.9	0.7	7.1	88.5	-31.5
3653.9125	18.4	-57.3	0.7	7.4	87.6	-30.6
4175.9000	6.9	-63.0	0.7	8.4	92.3	-35.3
4697.8875	6.2	-64.6	0.8	9.0	93.4	-36.4
5219.8750	6.0	-64.1	0.9	8.6	93.4	-36.4

Table 4-8: Field Strength of Spurious Radiation – 769.0125 MHz

Conducted Power 34.3 dBm; 2.7 W; Limit = $50+10\log P = 54.3$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
1538.0250	20.9	-49.6	0.5	6.6	77.8	-23.5
2307.0375	19.6	-58.3	0.5	7.3	85.8	-31.5
3076.0500	6.3	-69.9	0.7	7.1	97.8	-43.5
3845.0625	4.6	-70.0	0.7	7.0	98.0	-43.7
4614.0750	5.6	-65.4	0.8	8.9	91.6	-37.3
5383.0875	5.5	-64.4	0.9	8.5	91.1	-36.8
6152.1000	5.2	-64.1	1.0	9.2	90.2	-35.9
6921.1125	4.5	-64.0	1.1	9.5	89.9	-35.6
7690.1250	3.9	-63.8	1.1	9.2	90.0	-35.7

Table 4-9: Field Strength of Spurious Radiation – 772.0000 MHz

Conducted Power 34.4 dBm; 2.8 W; Limit = $50+10\log P = 54.4$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
1544.0000	21.7	-48.8	0.5	6.6	77.1	-22.7
2316.0000	18.1	-59.8	0.5	7.3	87.4	-33.0
3088.0000	3.7	-72.5	0.7	7.1	100.5	-46.1
3860.0000	4.4	-70.3	0.7	7.0	98.4	-44.0
4632.0000	6.6	-64.5	0.8	8.9	90.8	-36.4
5404.0000	5.3	-64.3	0.9	8.5	91.1	-36.7
6176.0000	5.3	-63.8	1.0	9.1	90.1	-35.7
6948.0000	4.6	-64.0	1.1	9.5	90.0	-35.6
7720.0000	4.0	-63.7	1.1	9.3	89.9	-35.5

Table 4-10: Field Strength of Spurious Radiation – 774.9875 MHz

Conducted Power 34.4 dBm; 2.8 W; Limit = $50+10\log P = 54.4$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
1549.9750	21.3	-49.2	0.5	6.6	77.5	-23.1
2324.9625	19.5	-58.4	0.5	7.3	86.0	-31.6
3099.9500	6.2	-70.0	0.7	7.1	98.0	-43.6
3874.9375	5.1	-69.6	0.7	7.0	97.7	-43.3
4649.9250	5.5	-65.6	0.8	8.9	91.9	-37.5
5424.9125	4.9	-64.7	0.9	8.5	91.5	-37.1
6199.9000	5.1	-64.1	1.0	9.1	90.4	-36.0
6974.8875	4.4	-64.2	1.1	9.5	90.2	-35.8
7749.8750	4.2	-63.5	1.1	9.3	89.7	-35.3

Table 4-11: Field Strength of Spurious Radiation – 799.0125 MHz

Conducted Power 34.6 dBm; 2.9 W; Limit = $50+10\log P = 54.6$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
1598.0250	31.0	-39.4	0.5	6.8	67.7	-13.1
2397.0375	17.2	-60.8	0.6	7.3	88.7	-34.1
3196.0500	13.7	-62.0	0.7	7.0	90.3	-35.7
3995.0625	7.0	-67.5	0.7	7.5	95.3	-40.7
4794.0750	4.8	-65.6	0.8	8.9	92.1	-37.5
5593.0875	6.0	-63.7	1.0	8.7	90.6	-36.0
6392.1000	5.0	-64.2	1.0	9.5	90.3	-35.7
7191.1125	5.5	-62.5	1.1	9.2	89.0	-34.4
7990.1250	4.6	-62.3	1.1	9.2	88.8	-34.2

Table 4-12: Field Strength of Spurious Radiation – 802.5000 MHz

Conducted Power 34.9 dBm; 3.1 W; Limit = $50+10\log P = 54.9$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
1605.0000	25.9	-44.4	0.5	6.8	73.0	-18.1
2407.5000	21.7	-56.2	0.6	7.3	84.4	-29.5
3210.0000	14.3	-61.3	0.7	7.1	89.8	-34.9
4012.5000	5.0	-64.6	0.7	7.6	92.6	-37.7
4815.0000	4.9	-65.5	0.8	8.9	92.3	-37.4
5617.5000	5.7	-64.0	1.0	8.8	91.1	-36.2
6420.0000	5.3	-64.0	1.0	9.6	90.3	-35.4
7222.5000	5.3	-62.5	1.1	9.1	89.4	-34.5
8025.0000	4.0	-63.0	1.2	9.2	89.9	-35.0

Table 4-13: Field Strength of Spurious Radiation – 805.9875 MHz

Conducted Power 35.2 dBm; 3.3 W; Limit = $50+10\log P = 55.2$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
1611.9750	24.5	-45.8	0.5	6.7	74.8	-19.6
2417.9625	18.4	-59.5	0.6	7.3	88.0	-32.8
3223.9500	13.6	-61.9	0.7	7.1	90.7	-35.5
4029.9375	5.0	-64.7	0.7	7.7	92.9	-37.7
4835.9250	5.1	-65.5	0.8	8.9	92.6	-37.4
5641.9125	5.8	-63.9	1.0	8.8	91.3	-36.1
6447.9000	5.1	-64.2	1.0	9.7	90.7	-35.5
7253.8875	5.6	-62.2	1.1	8.9	89.6	-34.4
8059.8750	2.6	-64.4	1.2	9.2	91.6	-36.4

Table 4-14: Field Strength of Spurious Radiation – 806.0125 MHz

Conducted Power 35.2 dBm; 3.3 W; Limit = 50+10LogP = 55.2 dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
1612.0250	26.5	-43.6	0.5	6.7	72.6	-17.4
2418.0375	27.2	-50.7	0.6	7.3	79.2	-24.0
3224.0500	10.4	-65.2	0.7	7.1	94.0	-38.8
4030.0625	4.4	-65.3	0.7	7.7	93.5	-38.3
4836.0750	4.8	-66.0	0.8	8.9	93.1	-37.9
5642.0875	5.0	-64.7	1.0	8.8	92.1	-36.9
6448.1000	4.5	-64.9	1.0	9.7	91.4	-36.2
7254.1125	4.8	-63.0	1.1	8.9	90.4	-35.2
8060.1250	4.0	-63.0	1.2	9.2	90.2	-35.0

Table 4-15: Field Strength of Spurious Radiation – 815.0000 MHz

Conducted Power 35.2 dBm; 3.3 W; Limit = 50+10LogP = 55.2 dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
1630.0000	22.0	-47.7	0.5	6.7	76.7	-21.5
2445.0000	23.3	-54.5	0.6	7.3	83.0	-27.8
3260.0000	9.8	-66.1	0.7	7.1	94.9	-39.7
4075.0000	3.6	-66.2	0.7	7.9	94.2	-39.0
4890.0000	4.3	-66.1	0.9	8.8	93.4	-38.2
5705.0000	4.6	-65.4	1.0	9.0	92.6	-37.4
6520.0000	4.6	-65.0	1.0	9.7	91.5	-36.3
7335.0000	4.6	-62.9	1.1	8.7	90.5	-35.3
8150.0000	4.0	-62.8	1.2	9.3	89.9	-34.7

Table 4-16: Field Strength of Spurious Radiation – 823.9875 MHz

Conducted Power 35.1 dBm; 3.2 W; Limit = $50+10\log P = 55.1$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
1647.9750	24.7	-45.0	0.5	6.6	74.0	-18.9
2471.9625	17.7	-60.1	0.6	7.4	88.4	-33.3
3295.9500	7.9	-67.9	0.7	7.1	96.6	-41.5
4119.9375	3.4	-66.6	0.8	8.1	94.4	-39.3
4943.9250	4.1	-66.1	0.9	8.8	93.3	-38.2
5767.9125	6.3	-63.4	1.0	9.3	90.2	-35.1
6591.9000	4.9	-64.4	1.0	9.7	90.8	-35.7
7415.8875	4.2	-63.3	1.1	8.7	90.8	-35.7
8239.8750	4.4	-58.4	1.2	9.3	85.4	-30.3

Table 4-17: Field Strength of Spurious Radiation – 851.01250 MHz

Conducted Power 35.3 dBm; 3.4 W; Limit = $50+10\log P = 55.3$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
1702.0250	25.3	-42.7	0.5	6.4	72.1	-16.8
2553.0375	14.8	-62.7	0.6	7.4	91.2	-35.9
3404.0500	11.8	-64.2	0.6	7.6	92.5	-37.2
4255.0625	4.7	-65.9	0.8	8.6	93.4	-38.1
5106.0750	4.4	-65.4	0.9	8.7	92.9	-37.6
5957.0875	5.7	-63.9	1.0	9.6	90.6	-35.3
6808.1000	5.1	-63.5	1.1	9.5	90.4	-35.1
7659.1125	4.1	-63.5	1.1	9.2	90.7	-35.4
8510.1250	4.0	-58.7	1.2	9.4	85.8	-30.5

Table 4-18: Field Strength of Spurious Radiation – 860.0000 MHz

Conducted Power 35.4 dBm; 3.5 W; Limit = $50+10\log P = 55.4$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
1720.0000	15.6	-52.4	0.5	6.4	81.9	-26.5
2580.0000	18.2	-59.2	0.6	7.4	87.8	-32.4
3440.0000	16.5	-59.4	0.7	7.6	87.9	-32.5
4300.0000	3.6	-67.0	0.8	8.7	94.5	-39.1
5160.0000	4.3	-65.1	0.9	8.6	92.8	-37.4
6020.0000	4.6	-65.1	1.0	9.4	92.1	-36.7
6880.0000	4.6	-64.3	1.1	9.5	91.3	-35.9
7740.0000	4.6	-63.0	1.1	9.3	90.2	-34.8
8600.0000	4.0	-58.7	1.2	9.6	85.7	-30.3

Table 4-19: Field Strength of Spurious Radiation – 868.9875 MHz

Conducted Power 35.4 dBm; 3.5 W; Limit = $50+10\log P = 55.4$ dBc

Frequency (MHz)	Analyzer Level (dBuV)	Signal Generator Level (dBm)	Cable Loss to Transmit Antenna (dB)	Substitution Antenna Normalized Gain (dBi)	Corrected Signal Generator Level (dBc)	Margin (dB)
1737.9750	13.6	-54.5	0.5	6.5	83.9	-28.5
2606.9625	17.5	-59.8	0.6	7.4	88.4	-33.0
3475.9500	10.4	-65.3	0.7	7.6	93.8	-38.4
4344.9375	4.9	-65.7	0.8	8.8	93.1	-37.7
5213.9250	4.8	-65.3	0.9	8.6	93.0	-37.6
6082.9125	5.6	-64.0	1.0	9.3	91.1	-35.7
6951.9000	5.0	-63.7	1.1	9.5	90.7	-35.3
7820.8875	4.5	-62.8	1.1	9.3	90.0	-34.6
8689.8750	3.4	-58.9	1.2	9.5	86.0	-30.6

Table 4-20: FCC Unintentional Digital/RX Emissions

Emission Frequency (MHz)	Test Detector	Antenna Polarity (H/V)	Analyzer Reading (dBuV)	Site Correction Factor (dB/m)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pass/Fail
37.944	Qp	V	-6.8	16.8	10.0	40.0	-30.0	Pass
50.592	Qp	V	-6.5	11.7	5.2	40.0	-34.8	Pass
63.240	Qp	V	-6.3	11.5	5.2	40.0	-34.8	Pass
75.888	Qp	V	-6.1	11.7	5.6	40.0	-34.4	Pass
88.536	Qp	V	6.9	11.8	18.7	43.5	-24.8	Pass
101.184	Qp	V	11.3	13.1	24.4	43.5	-19.1	Pass
113.832	Qp	V	-5.8	13.5	7.7	43.5	-35.8	Pass
126.480	Qp	V	-5.8	12.4	6.6	43.5	-36.9	Pass

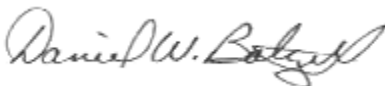
Measurement uncertainty: 30 MHz to 6 GHz = ± 4.8 dB; from 6 GHz and above = ± 5.2 dB. This measurement uncertainty is expanded for a 95% confidence level received with a coverage factor $k=2$ for the entire frequency range.

Table 4-21: Test Equipment Used For Testing Field Strength of Spurious Radiation and Unintentional Emissions

RTL Asset #	Manufacturer	Model	Part Type	Serial Number	Calibration Due Date
900878	Rhein Tech Laboratories	AM3-1197-0005	3 meter antenna mast, polarizing	OATS1	N/A
901729	Insulated Wire Inc.	KPS-1503-3150-KPR	SMK RF Cables 20'	NA	12/29/2027
901242	Rhein Tech Laboratories	WRT-000-0003	Wood rotating table	N/A	N/A
901669	ETS-Lindgren	3142E	Biconilog Antenna (30 MHz – 6000 MHz)	00166065	07/11/2027
900321	EMCO	3161-03	Horn Antenna (4.0 - 8.2 GHz)	9508-1020	08/05/2027
900323	EMCO	3160-07	Horn Antenna (8.2 - 12.4 GHz)	9605-1054	08/05/2027
900772	EMCO	3161-02	Horn Antenna (2 - 4 GHz)	9804-1044	08/05/2027
901582	Rohde & Schwarz	1167.0000.02	Signal Generator	101903	05/27/2027
901773	Rohde & Schwarz	FSW50	Analyzer	101021	05/30/2027
901650	ETS-Lindgren	3117	Double Ridged Guide Antenna (1 - 18 GHz)	00152091	07/09/2027

Results: PASS

Test Personnel:

Daniel W. Baltzell Test Engineer	 Signature	February 28 - March 10, 2026 Date of Tests
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5 Conclusion

The data in this Class 2 permissive change measurement report shows passing harmonic emissions levels for the L3Harris Technologies, Inc. XL-300P UHF/VHF/7/800 MHz Multi-Band Portable Radio, FCC ID: OWDTR-0179-E, IC: 3636B-0179, and that this radio complies with the applicable requirements of FCC Parts 2, 22, 25, 74, 80 and 90 and ISED RSS-119 for a Class 2 permissive change.

END OF TEST REPORT