RHEIN TECH LABORATORIES, INC.

Engineering Solutions & Electromagnetic Compatibility Services

Class 2 Permissive Change

Harris Corporation
221 Jefferson Ridge Parkway
Lynchburg, VA 24501

Model: XL-200P Multi-Band Portable Land Mobile Radio

FCC ID: OWDTR-0133-E
IC: 3636B-0133

November 12, 2019

Standards Referenced for this Report	
Part 2: 2018	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
Part 15B: 2018	Radio Frequency Devices
Part 22: 2018	Public Mobile Services
Part 74: 2018	Experimental Radio, Auxiliary, Special Broadcast And Other Program Distributional Services
Part 80: 2018	Stations In The Maritime Services
Part 90: 2018	Private Land Portable Radio Services
ANSI C63.26-2017	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 6	Information Technology Equipment (Including Digital Apparatus) — Limits and Methods of Measurement

Report Prepared By: Daniel W. Baltzell

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This replaces DRAFT R0.2.

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 General Information

The following Class 2 Permissive Change Report is prepared on behalf of **Harris Corporation** in accordance with the FCC and ISED rules and regulations. The Equipment Under Test (EUT) was the **XL-200P Multi-Band Portable Land Mobile 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, 22, 74, 80 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.

1.1 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. This site has been fully described in a report submitted to, and approved by, the Federal Communications Commission to perform AC line conducted and radiated emissions testing.

1.2 Related Submittal(s)/Grant(s)

This is a Class 2 Permissive Change Report based on a change to a SKU reduction.

The original FCC certifications were granted March 12, 2015 and August 7, 2015. The original ISED certificates were issued July 21, 2015 and August 19, 2015.

Class II permissive changes were granted by the FCC on January 27, 2016 and December 13, 2018.

Class II permissive changes and/or model additions were granted by ISED on February 23, 2016, April 4, 2016, November 28, 2017 and January 8, 2019.

2 Tested System Details

The test sample was received on June 3, 2019. Listed below are the identifiers and descriptions of all equipment, cables, and internal devices used with the EUT for this test, as applicable.

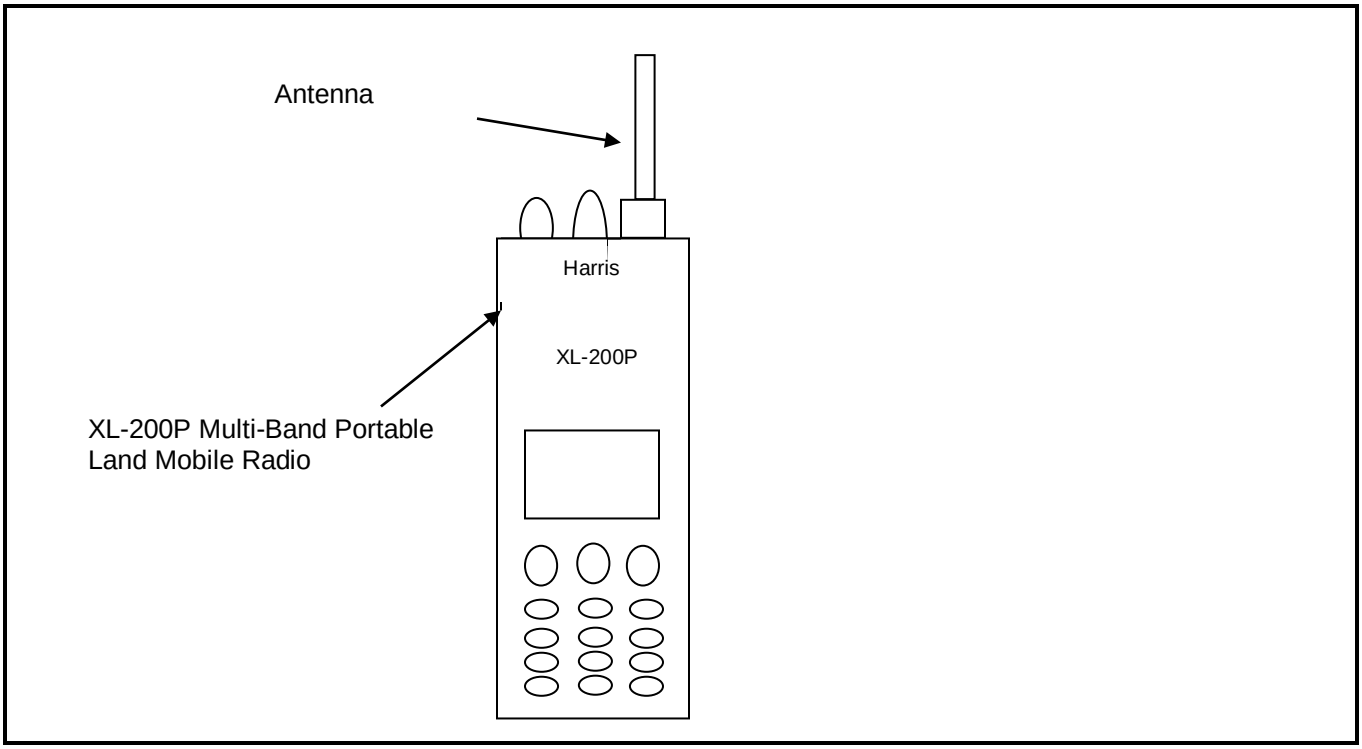
Table 2-1: Equipment Under Test (EUT)

Part	Manufacturer	Model	Serial Number	FCC ID	RTL Bar Code
Radio	Harris Corporation	XL-200P	A40302201644RW	OWDTR-0133-E	23254
Radio	Harris Corporation	XL-200P	A40302201045RW	OWDTR-0133-E	23253
Antenna Full Spectrum LMR	Harris Corporation	14035-4000-01	N/A	N/A	23108

Table 2-2: Auxiliary Equipment

Part	Manufacturer	Model	Part Number	FCC ID	RTL Bar Code
Li-Ion Rechargeable Battery	Harris Corporation	14035-4010 rev	009833	N/A	23103
Li-Ion Rechargeable Battery	Harris Corporation	14035-4010-05 rev	001897	N/A	23104

Figure 2-1: Configuration of Tested System



2.1 EUT Exercise Description

The EUT was supplied with the ability to change LMR, LTE, Bluetooth, and Wi-Fi frequencies for testing radiated emissions and collocation of various frequencies. 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.

2.2 Test Result Summary

Table 2-3: Test Result Summary – FCC Part 15 Subpart C

Test	FCC Reference	Result
Collocation Radiated Emissions	FCC 15.209	Pass

3 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

3.1 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 emissions in the 1559-1610 band, Part 90.543(f) states: "For operations in the 763–775 MHz and 793–805 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to -70dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation."

3.2 Test Data

Table 3-1: Field Strength of Spurious Radiation – 136.000 MHz

Conducted Power 37.8 dBm; 6 W; Limit=50+10LogP=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)
272.000	51.8	-27.9	0.2	-0.5	66.4	-8.6
408.000	55.4	-25.5	0.2	-0.4	63.8	-6.0
544.000	38.0	-42.0	0.2	-0.7	80.7	-22.9
680.000	36.9	-42.8	0.2	-0.9	81.7	-23.9
816.000	30.0	-41.8	0.2	-1.5	81.3	-23.5
952.000	20.6	-54.1	0.2	-0.9	93.0	-35.2
1088.000	15.1	-61.5	0.2	2.6	96.9	-39.1
1224.000	14.1	-61.5	0.2	4.2	95.3	-37.5
1360.000	10.3	-64.6	0.3	4.7	97.9	-40.1

Table 3-2: Field Strength of Spurious Radiation – 138.000 MHz

Conducted Power 37.9 dBm; 6.2 W; Limit=50+10LogP=57.9 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)
276.000	57.9	-23.7	0.2	-0.5	62.3	-4.4
414.000	55.0	-24.7	0.2	-0.4	63.2	-5.3
552.000	35.5	-43.5	0.2	-0.7	82.4	-24.5
690.000	34.5	-44.5	0.2	-0.9	83.5	-25.6
828.000	22.6	-52.0	0.2	-1.4	91.5	-33.6
966.000	23.3	-50.4	0.2	-0.9	89.4	-31.5
1104.000	36.5	-39.0	0.2	3.0	74.1	-16.2
1242.000	16.9	-58.5	0.2	4.3	92.3	-34.4
1380.000	6.5	-67.6	0.3	4.8	101.0	-43.1

Table 3-3: Field Strength of Spurious Radiation – 141.000 MHz

Conducted Power 38.2 dBm; 6.6 W; Limit=50+10LogP=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)
282.000	50.3	-31.3	0.2	-0.6	70.3	-12.1
423.000	50.5	-28.8	0.2	-0.4	67.6	-9.4
564.000	37.2	-43.1	0.2	-0.8	82.3	-24.1
705.000	43.2	-35.7	0.2	-1.0	75.1	-16.9
846.000	33.0	-45.6	0.2	-1.4	85.4	-27.2
987.000	20.7	-53.3	0.2	-0.7	92.5	-34.3
1128.000	19.9	-55.9	0.2	3.3	91.1	-32.9
1269.000	12.5	-62.9	0.3	4.5	96.9	-38.7
1410.000	8.3	-67.2	0.3	4.9	100.8	-42.6

Table 3-4: Field Strength of Spurious Radiation – 144.000 MHz

Conducted Power 38.3 d8Bm; 6 W; Limit=50+10LogP=58.3 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)
288.000	53.2	-28.7	0.2	-0.6	67.8	-9.5
432.000	45.6	-34.0	0.2	-0.4	73.0	-14.7
576.000	23.2	-53.8	0.2	-0.8	93.2	-34.9
720.000	35.7	-41.3	0.2	-1.0	80.9	-22.6
864.000	18.5	-55.2	0.2	-1.4	95.1	-36.8
1008.000	21.6	-53.9	0.2	0.2	92.2	-33.9
1152.000	7.4	-68.1	0.2	3.6	103.0	-44.7
1296.000	14.9	-60.0	0.3	4.6	94.0	-35.7
1440.000	4.5	-69.2	0.3	5.1	102.7	-44.4

Table 3-5: Field Strength of Spurious Radiation – 148.000 MHz

Conducted Power 38.3 d8Bm; 6 W; Limit=50+10LogP=58.3 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)
296.000	45.3	-35.5	0.2	-0.7	74.7	-16.4
444.000	52.8	-29.7	0.2	-0.4	68.7	-10.4
592.000	36.6	-43.7	0.2	-0.8	83.0	-24.7
740.000	34.2	-45.6	0.2	-1.2	85.3	-27.0
888.000	17.8	-56.1	0.2	-1.3	95.9	-37.6
1036.000	17.7	-56.7	0.2	1.1	94.2	-35.9
1184.000	22.1	-54.0	0.2	3.9	88.6	-30.3
1332.000	4.4	-71.0	0.3	4.7	104.8	-46.5
1480.000	7.5	-67.2	0.3	5.3	100.4	-42.1

Table 3-6: Field Strength of Spurious Radiation – 150.000 MHz

Conducted Power 38.3 d8Bm; 6 W; Limit=50+10LogP=58.3 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)
300.000	46.6	-33.3	0.2	-0.7	72.6	-14.3
450.000	43.8	-36.1	0.2	-0.4	75.0	-16.7
600.000	9.0	-68.5	0.2	-0.8	107.8	-49.5
750.000	17.8	-59.2	0.2	-1.2	99.0	-40.7
900.000	3.7	-72.4	0.2	-1.2	112.2	-53.9
1050.000	2.5	-73.6	0.2	1.5	110.7	-52.4
1200.000	-2.0	-77.9	0.2	4.1	112.3	-54.0
1350.000	-5.7	-80.8	0.3	4.7	114.6	-56.3
1500.000	-10.0	-83.6	0.3	5.5	116.6	-58.3

Table 3-7: Field Strength of Spurious Radiation – 156.800 MHz

Conducted Power 38.2 dBm; 6.6 W; Limit=50+10LogP=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)
313.600	51.0	-31.2	0.2	-0.6	70.3	-12.1
470.400	49.4	-32.4	0.2	-0.5	71.4	-13.2
627.200	31.5	-44.4	0.2	-0.8	83.6	-25.4
784.000	37.4	-42.0	0.2	-1.4	81.9	-23.7
940.800	14.0	-60.8	0.2	-1.0	100.2	-42.0
1097.600	16.7	-59.5	0.2	2.9	95.1	-36.9
1254.400	7.0	-68.5	0.2	4.4	102.6	-44.4
1411.200	14.7	-59.9	0.3	4.9	93.5	-35.3
1568.000	-3.0	-77.2	0.3	6.4	109.3	-51.1

Table 3-8: Field Strength of Spurious Radiation – 162.000 MHz

Conducted Power 38.1 dBm; 6.5 W; Limit=50+10LogP=58.1 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)
324.000	58.1	-24.6	0.2	-0.6	63.5	-5.4
486.000	52.3	-29.6	0.2	-0.6	68.5	-10.4
648.000	24.5	-51.7	0.2	-0.8	90.9	-32.8
810.000	35.0	-40.4	0.2	-1.5	80.2	-22.1
972.000	8.0	-65.3	0.2	-0.9	104.5	-46.4
1134.000	17.7	-58.1	0.2	3.4	93.1	-35.0
1296.000	1.2	-73.6	0.3	4.6	107.4	-49.3
1458.000	17.1	-56.7	0.3	5.2	89.8	-31.7
1620.000	1.0	-73.5	0.3	6.9	105.0	-46.9

Table 3-9: Field Strength of Spurious Radiation – 174.000 MHz

Conducted Power 38.3 dBm; 6.8 W; Limit=50+10LogP=58.3dBc

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)
348.000	47.9	-35.0	0.2	-0.5	74.0	-15.7
522.000	47.4	-33.0	0.2	-0.6	72.2	-13.9
696.000	46.0	-33.0	0.2	-0.9	72.4	-14.1
870.000	21.9	-52.4	0.2	-1.4	92.3	-34.0
1044.000	9.2	-66.8	0.2	1.3	104.1	-45.8
1218.000	11.6	-63.9	0.2	4.2	98.3	-40.0
1392.000	-8.7	-82.6	0.3	4.8	116.4	-58.1
1566.000	3.3	-70.9	0.3	6.3	103.1	-44.8
1740.000	13.0	-62.2	0.3	7.4	93.4	-35.1

Table 3-10: Field Strength of Spurious Radiation – 406.1000 MHz

Conducted Power 37.4 dBm; 5.5 W; Limit=50+10LogP=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)
812.2000	46.5	-31.7	0.2	-1.5	70.8	-13.4
1218.3000	37.9	-36.9	0.2	6.9	67.6	-10.2
1624.4000	10.7	-63.8	0.3	8.8	92.6	-35.2
2030.5000	14.6	-59.6	0.3	8.8	88.5	-31.1
2436.6000	11.8	-62.2	0.3	0.0	99.9	-42.5
2842.7000	4.2	-70.5	0.3	10.0	98.2	-40.8
3248.8000	2.9	-71.8	0.3	9.2	100.3	-42.9
3654.9000	10.6	-62.9	0.3	9.5	91.2	-33.8
4061.0000	-7.3	-78.2	0.4	10.0	106.0	-48.6

Table 3-11: Field Strength of Spurious Radiation – 418.0125 MHz

Conducted Power 37.3 dBm; 5.4 W; Limit=50+10LogP=57.3 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)
836.0250	39.8	-38.3	0.2	-1.4	77.3	-20.0
1254.0375	30.6	-44.9	0.2	7.1	75.4	-18.1
1672.0500	-3.2	-78.3	0.3	8.6	107.3	-50.0
2090.0625	15.1	-60.0	0.3	8.5	89.1	-31.8
2508.0750	-13.6	-87.6	0.3	9.5	115.7	-58.4
2926.0875	-7.7	-81.5	0.3	0.0	119.2	-61.9
3344.1000	-4.6	-78.3	0.3	9.4	106.5	-49.2
3762.1125	2.4	-72.1	0.3	9.2	100.5	-43.2
4180.1250	-7.0	-78.0	0.4	10.5	105.2	-47.9

Table 3-12: Field Strength of Spurious Radiation – 429.9875 MHz

Conducted Power 37.3 dBm; 5.4 W; Limit=50+10LogP=57.3 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)
859.9750	43.9	-33.7	0.2	-1.4	72.6	-15.3
1289.9625	29.6	-45.3	0.3	7.2	75.6	-18.3
1719.9500	4.5	-69.9	0.3	8.6	98.8	-41.5
2149.9375	25.7	-49.0	0.3	8.7	77.8	-20.5
2579.9250	9.0	-65.0	0.3	9.6	93.0	-35.7
3009.9125	-1.8	-76.6	0.3	0.0	114.2	-56.9
3439.9000	3.8	-69.8	0.3	9.7	97.8	-40.5
3869.8875	6.4	-67.9	0.3	9.1	96.4	-39.1
4299.8750	10.9	-60.2	0.4	10.9	87.0	-29.7

Table 3-13: Field Strength of Spurious Radiation – 450.0125 MHz

Conducted Power 37.4 dBm; 5.5 W; Limit=50+10LogP=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)
900.0250	40.6	-35.5	0.2	-1.2	74.4	-17.0
1350.0375	36.0	-39.1	0.3	7.7	69.0	-11.6
1800.0500	20.5	-53.8	0.3	8.8	82.7	-25.3
2250.0625	27.9	-47.1	0.3	9.2	75.6	-18.2
2700.0750	14.1	-59.8	0.3	0.0	97.5	-40.1
3150.0875	20.7	-54.0	0.3	9.2	82.5	-25.1
3600.1000	6.5	-67.1	0.3	9.7	95.1	-37.7
4050.1125	4.9	-66.0	0.4	9.9	93.9	-36.5
4500.1250	0.7	-70.6	0.4	11.0	97.4	-40.0

Table 3-14: Field Strength of Spurious Radiation – 459.9750 MHz

Conducted Power 37.3 dBm; 5.4 W; Limit=50+10LogP=57.3 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)
919.9500	52.0	-22.2	0.2	-1.2	60.9	-3.6
1379.9250	33.9	-40.2	0.3	7.9	69.8	-12.5
1839.9000	6.3	-68.0	0.3	8.6	96.9	-39.6
2299.8750	18.4	-55.7	0.3	9.5	83.8	-26.5
2759.8500	0.1	-73.8	0.3	0.0	111.4	-54.1
3219.8250	3.0	-71.7	0.3	9.2	100.1	-42.8
3679.8000	9.0	-65.5	0.3	9.4	93.7	-36.4
4139.7750	11.2	-59.8	0.4	10.4	87.1	-29.8
4599.7500	0.4	-71.3	0.4	11.0	97.9	-40.6

Table 3-15: Field Strength of Spurious Radiation – 469.9875 MHz

Conducted Power 37.4 dBm; 5.5 W; Limit=50+10LogP=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)
939.9750	43.6	-31.2	0.2	-1.0	69.8	-12.4
1409.9625	39.1	-35.5	0.3	8.2	65.0	-7.6
1879.9500	6.5	-67.8	0.3	8.5	97.0	-39.6
2349.9375	15.8	-58.3	0.3	9.5	86.5	-29.1
2819.9250	-1.7	-75.6	0.3	10.0	103.3	-45.9
3289.9125	0.2	-74.5	0.3	9.2	102.9	-45.5
3759.9000	7.2	-66.3	0.3	9.2	94.9	-37.5
4229.8875	7.0	-64.4	0.4	10.7	91.4	-34.0
4699.8750	1.4	-70.4	0.4	11.1	97.0	-39.6

Table 3-16: Field Strength of Spurious Radiation – 768.0125 MHz

Conducted Power 34.3 dBm; 2.7 W; Limit=50+10LogP=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)
1536.0250	24.9	-50.0	0.3	5.9	78.6	-24.3
2304.0375	35.0	-39.1	0.3	7.7	66.0	-11.7
3072.0500	12.8	-61.0	0.3	7.6	88.0	-33.7
3840.0625	25.9	-48.6	0.3	7.3	75.9	-21.6
4608.0750	8.4	-63.3	0.4	9.0	89.0	-34.7
5376.0875	11.9	-59.9	0.4	8.6	86.0	-31.7
6144.1000	10.0	-60.6	0.4	8.9	86.4	-32.1
6912.1125	1.9	-68.0	0.5	9.0	93.7	-39.4
7680.1250	1.6	-67.2	0.5	9.3	92.7	-38.4

Table 3-17: Field Strength of Spurious Radiation – 771.0125 MHz

Conducted Power 34.4 dBm; 2.8 W; Limit=50+10LogP=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)
1542.0250	26.0	-48.9	0.3	6.0	77.5	-23.1
2313.0375	31.8	-42.3	0.3	7.7	69.3	-14.9
3084.0500	11.1	-62.7	0.3	7.6	89.8	-35.4
3855.0625	20.7	-52.8	0.3	7.3	80.2	-25.8
4626.0750	9.8	-61.6	0.4	9.0	87.4	-33.0
5397.0875	11.4	-60.4	0.4	8.6	86.6	-32.2
6168.1000	3.6	-67.0	0.4	8.9	92.9	-38.5
6939.1125	8.3	-61.8	0.5	9.1	87.6	-33.2
7710.1250	-3.6	-72.4	0.5	9.4	97.9	-43.5

Table 3-18: Field Strength of Spurious Radiation – 775.9875 MHz

Conducted Power 34.4 dBm; 2.8 W; Limit=50+10LogP=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)
1551.9750	14.4	-59.7	0.3	6.2	88.2	-33.8
2327.9625	33.0	-42.0	0.3	7.7	69.0	-14.6
3103.9500	1.3	-73.4	0.3	7.5	100.6	-46.2
3879.9375	18.9	-54.5	0.3	7.3	82.0	-27.6
4655.9250	0.1	-71.3	0.4	9.0	97.1	-42.7
5431.9125	-11.6	-83.4	0.4	8.6	109.6	-55.2
6207.9000	-5.7	-76.3	0.4	8.9	102.2	-47.8
6983.8875	-19.0	-88.8	0.5	9.2	114.5	-60.1
7759.8750	-11.0	-80.4	0.5	9.4	105.9	-51.5

Table 3-19: Field Strength of Spurious Radiation – 798.0125 MHz

Conducted Power 34.4 dBm; 2.8W; Limit=50+10LogP=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)
1596.0250	22.3	-52.6	0.3	6.7	80.6	-26.2
2394.0375	28.5	-46.5	0.3	7.6	73.6	-19.2
3192.0500	6.6	-67.1	0.3	7.4	94.4	-40.0
3990.0625	2.3	-71.1	0.4	7.5	98.3	-43.9
4788.0750	10.0	-61.8	0.4	9.0	87.6	-33.2
5586.0875	1.6	-69.6	0.4	8.9	95.5	-41.1
6384.1000	-4.0	-74.4	0.4	9.2	100.1	-45.7
7182.1125	-1.8	-71.4	0.5	9.1	97.2	-42.8
7980.1250	-14.8	-83.4	0.5	9.3	109.0	-54.6