



FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2603-1, XT2603-2
FCC ID : IHDT56AW1
STANDARD : 47 CFR Part 22, 24, 27
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Nov. 20, 2025

We, Sporton International Inc. (KunShan), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (KunShan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG591906O	Rev. 01	Initial issue of report	Dec. 05, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1053 §22.917(a) §24.238(a) §27.53(h) §27.53(g) §27.53(l)(2)	Radiated Spurious Emission (5G NR n2, n5, n25, n66, n71, n77, n78)	$< 43 + 10\log_{10}(P[\text{Watts}])$	PASS	Under limit 22.20 dB at 10065.00 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (5G NR n7, n41)	$< 55 + 10\log_{10}(P[\text{Watts}])$		

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Applicant

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2603-1, XT2603-2
FCC ID	IHDT56AW1
IMEI Code	Radiation: 350158880029097
HW Version	DVT2
SW Version	W2WV36.22
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. There are two kinds of EUT, the sample 1(XT2603-2) is P-SIM + eSIM and the sample 2(XT2603-1) is P-SIM +P-SIM. According to the difference, we choose sample 1 to full test.



1.4 Product Specification of Equipment Under Test

Standards-related Product Specification					
Tx Frequency	5G NR n2 : 1850 MHz ~ 1910 MHz				
	5G NR n5 : 824 MHz ~ 849 MHz				
	5G NR n7 : 2500 MHz ~ 2570 MHz				
	5G NR n25 : 1850 MHz ~ 1915 MHz				
	5G NR n41 : 2496 MHz ~ 2690 MHz				
	5G NR n66 : 1710 MHz ~ 1780 MHz				
	5G NR n71: 663 MHz ~ 698 MHz				
	5G NR n77: 3700 MHz ~ 3980 MHz				
	5G NR n78: 3700 MHz ~ 3800 MHz				
Rx Frequency	5G NR n2 : 1930 MHz ~ 1990 MHz				
	5G NR n5 : 869 MHz ~ 894 MHz				
	5G NR n7 : 2620 MHz ~ 2690 MHz				
	5G NR n25 : 1930 MHz ~ 1995 MHz				
	5G NR n41 : 2496 MHz ~ 2690 MHz				
	5G NR n66 : 2110 MHz ~ 2200 MHz				
	5G NR n71: 617 MHz ~ 652 MHz				
	5G NR n77: 3700 MHz ~ 3980 MHz				
Uplink CA Bands	5G NR n78: 3700 MHz ~ 3800 MHz				
	CA_n2A-n5A	CA_n5A-n25A	CA_n7A-N77A	CA_n25A-N78A	CA_n66A-N7A
	CA_n2A-n7A	CA_n2A-n78A	CA_n7A-N78A	CA_n41A-N66A	CA_n66A-N71A
	CA_n2A-n66A	CA_n5A-n66A	CA_n25A-N41A	CA_n41A-N71A	CA_n66A-N78A
	CA_n2A-n71A	CA_n5A-N77A	CA_n25A-N66A	CA_n41A-N77A	CA_n71A-N77A
	CA_n2A-n77A	CA_n7A-N25A	CA_n25A-N71A	CA_n41A-N78A	CA_n71A-N78A
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM				

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	Brand Name	Motorola(Salcomp)	Model Name	MC-901
AC Adapter 1(EU)	Brand Name	Motorola(Salcomp)	Model Name	MC-902
AC Adapter 1(UK)	Brand Name	Motorola(Salcomp)	Model Name	MC-903
AC Adapter 1(AU)	Brand Name	Motorola(Salcomp)	Model Name	MC-905
AC Adapter 1(AR)	Brand Name	Motorola(Salcomp)	Model Name	MC-906
AC Adapter 1(BR)	Brand Name	Motorola(Salcomp)	Model Name	MC-907
AC Adapter 1(CHILE)	Brand Name	Motorola(Salcomp)	Model Name	MC-909
AC Adapter 2(US)	Brand Name	Motorola(AOHAI)	Model Name	MC-901
AC Adapter 2(EU)	Brand Name	Motorola(AOHAI)	Model Name	MC-902
AC Adapter 2(UK)	Brand Name	Motorola(AOHAI)	Model Name	MC-903
AC Adapter 2(AU)	Brand Name	Motorola(AOHAI)	Model Name	MC-905
AC Adapter 2(AR)	Brand Name	Motorola(AOHAI)	Model Name	MC-906
AC Adapter 2(BR)	Brand Name	Motorola(AOHAI)	Model Name	MC-907
AC Adapter 2(CHILE)	Brand Name	Motorola(AOHAI)	Model Name	MC-909
AC Adapter 3(IN)	Brand Name	Motorola(AOHAI)	Model Name	MC-904
AC Adapter 3(IN Local)	Brand Name	Motorola(AOHAI)	Model Name	MC-904
AC Adapter 4(IN Local)	Brand Name	Motorola(Salcomp)	Model Name	MC-904
AC Adapter 4(IN)	Brand Name	Motorola(Salcomp)	Model Name	MC-904
Battery	Brand Name	Motorola (ATL)	Model Name	SR52
USB Cable 1	Brand Name	Motorola(SAIBAO)	Model Name	SC18D71644
USB Cable 2	Brand Name	Motorola(Luxshare)	Model Name	SC18E08104
USB Cable 3	Brand Name	Motorola(SAIBAO)	Model Name	SC18D86731
USB Cable 4	Brand Name	Motorola(Luxshare)	Model Name	SC18E08103
USB Cable 5	Brand Name	Motorola(SAIBAO)	Model Name	SC18E46326
USB Cable 6	Brand Name	Motorola(SAIBAO)	Model Name	SC18E59082
Magnetic Protective Cover	Brand Name	Motorola(Topwell)	Model Name	SS68E96654
Stylus	Brand Name	Motorola(Maxeye)	Model Name	XT2604-1

1.7 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH04-KS	CN1257	314309

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH04-KS	AUDIX	E3	210616

1.9 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 22, 24, 27
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

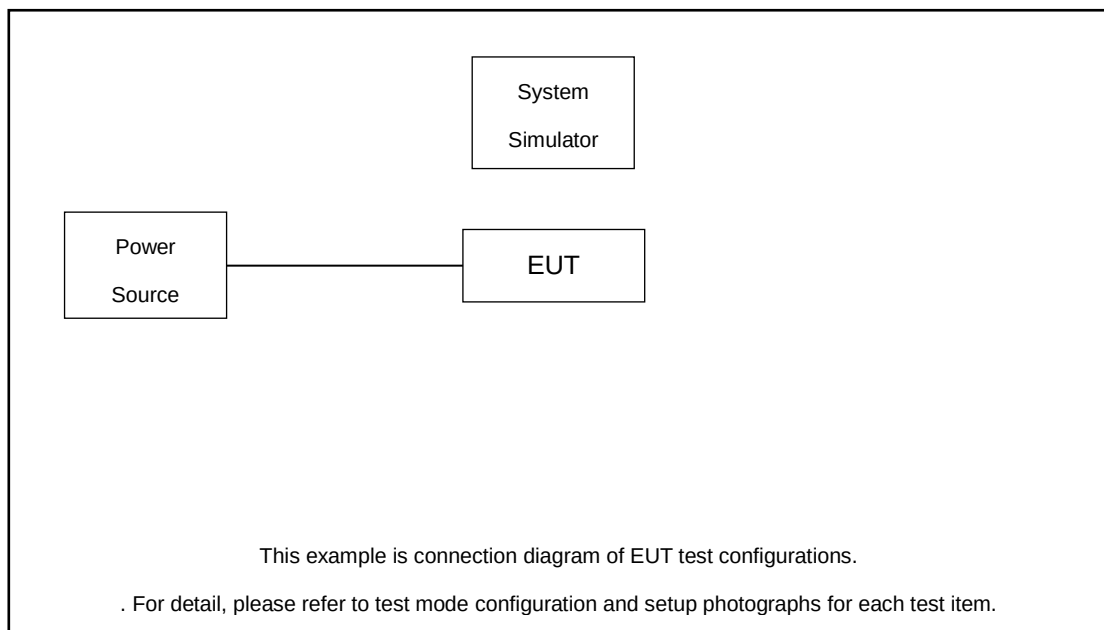
2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission. (Z-Plane)

Test Items	5G NR	Bandwidth (MHz)														Modulation					RB #		Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	Full	L	M	H	
Radiated Spurious Emission	CA_n2A-n5A	Worst Case																					v		
	CA_n2A-n7A	Worst Case																					v		
	CA_n2A-n66A	Worst Case																					v		
	CA_n2A-n71A	Worst Case																					v		
	CA_n2A-n77A	Worst Case																					v		
	CA_n5A-n25A	Worst Case																					v		
	CA_n2A-n78A	Worst Case																					v		
	CA_n5A-n66A	Worst Case																					v		
	CA_n5A-N77A	Worst Case																					v		
	CA_n7A-N25A	Worst Case																					v		
	CA_n7A-N77A	Worst Case																					v		
	CA_n7A-N78A	Worst Case																					v		
	CA_n25A-N41A	Worst Case																					v		
	CA_n25A-N66A	Worst Case																					v		
	CA_n25A-N71A	Worst Case																					v		
	CA_n25A-N78A	Worst Case																					v		
	CA_n41A-N66A	Worst Case																					v		
	CA_n41A-N71A	Worst Case																					v		
	CA_n41A-N77A	Worst Case																					v		
	CA_n41A-N78A	Worst Case																					v		
	CA_n66A-N7A	Worst Case																					v		
	CA_n66A-N71A	Worst Case																					v		
	CA_n66A-N78A	Worst Case																					v		
	CA_n71A-N77A	Worst Case																					v		
	CA_n71A-N78A	Worst Case																					v		
Note	1. The mark "v" means that this configuration is chosen for testing																								
	2. The mark "-" means that this bandwidth is not supported.																								
	3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																								
	4. Frequency Stability : Normal Voltage = 3.74V ; Low Voltage =3.40V. ; High Voltage =4.53V																								

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	DC Power Supply	GW	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
2.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m



2.4 Frequency List of Low/Middle/High Channels

5G NR n2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	374000	376000	378000
	Frequency	1870	1880	1890
35	Channel	373500	376000	378500
	Frequency	1867.5	1880	1892.5
30	Channel	373000	376000	379000
	Frequency	1865	1880	1895
25	Channel	372500	376000	379500
	Frequency	1862.5	1880	1897.5
20	Channel	372000	376000	380000
	Frequency	1860	1880	1900
15	Channel	371500	376000	380500
	Frequency	1857.5	1880	1902.5
10	Channel	371000	376000	381000
	Frequency	1855	1880	1905
5	Channel	370500	376000	381500
	Frequency	1852.5	1880	1907.5

5G NR n5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5



5G NR n7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
50	Channel	505000	507000	509000
	Frequency	2525	2535	2545
40	Channel	504000	507000	510000
	Frequency	2520	2535	2550
35	Channel	503500	507000	501500
	Frequency	2517.5	2535	2552.5
30	Channel	503000	507000	511000
	Frequency	2515	2535	2555
25	Channel	502500	507000	511500
	Frequency	2512.5	2535	2557.5
20	Channel	502000	507000	512000
	Frequency	2510	2535	2560
15	Channel	501500	507000	512500
	Frequency	2507.5	2535	2562.5
10	Channel	501000	507000	513000
	Frequency	2505	2535	2565
5	Channel	500500	507000	513500
	Frequency	2502.5	2535	2567.5



5G NR n25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	390000	392500	395000
	Frequency	1870	1882.5	1895
35	Channel	373500	376500	379500
	Frequency	1867.5	1882.5	1897.5
30	Channel	389000	392500	396000
	Frequency	1865	1882.5	1900
25	Channel	388500	392500	396500
	Frequency	1862.5	1882.5	1902.5
20	Channel	372000	376500	381000
	Frequency	1860	1882.5	1905
15	Channel	371500	376500	381500
	Frequency	1857.5	1882.5	1907.5
10	Channel	371000	376500	382000
	Frequency	1855	1882.5	1910
5	Channel	370500	376500	382500
	Frequency	1852.5	1882.5	1912.5



5G NR n41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
90	Channel	508200	518598	528996
	Frequency	2541	2592.99	2644.98
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
70	Channel	506202	518598	531000
	Frequency	2531.01	2592.99	2655
60	Channel	505200	518598	531996
	Frequency	2526	2592.99	2659.98
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
45	Channel	503700	518598	533496
	Frequency	2518.5	2592.99	2667.48
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
35	Channel	502704	518598	534498
	Frequency	2513.52	2592.99	2672.49
30	Channel	502200	518598	534996
	Frequency	2511	2592.99	2674.98
25	Channel	501702	518598	535500
	Frequency	2508.51	2592.99	2677.50
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99
15	Channel	500700	518598	536496
	Frequency	2503.5	2592.99	2682.48
10	Channel	500202	518598	537000
	Frequency	2501.01	2592.99	2685



5G NR n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
45	Channel	346500	349000	351500
	Frequency	1732.5	1745	1757.5
40	Channel	346000	349000	352000
	Frequency	1730	1745	1760
35	Channel	345500	349000	352500
	Frequency	1727.5	1745	1762.5
30	Channel	345000	349000	353000
	Frequency	1725	1745	1765
25	Channel	344500	349000	353500
	Frequency	1722.5	1745	1767.5
20	Channel	344000	349000	354000
	Frequency	1720	1745	1770
15	Channel	343500	349000	354500
	Frequency	1717.5	1745	1772.5
10	Channel	343000	349000	355000
	Frequency	1715	1745	1775
5	Channel	342500	349000	355500
	Frequency	1712.5	1745	1777.5

5G NR n71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
35	Channel	136100		
	Frequency	680.5		
30	Channel	135600	136100	136600
	Frequency	678	680.5	683
25	Channel	135100	136100	137100
	Frequency	675.5	680.5	685.5
20	Channel	134600	136100	137600
	Frequency	673	680.5	688
15	Channel	134100	136100	138100
	Frequency	670.5	680.5	690.5
10	Channel	133600	136100	138600
	Frequency	668	680.5	693
5	Channel	133100	136100	139100
	Frequency	665.5	680.5	695.5



5G n77 (30kHz) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	650000	656000	662000
	Frequency	3750	3840	3930
90	Channel	649668	656000	662332
	Frequency	3745.02	3840	3934.98
80	Channel	649334	656000	662666
	Frequency	3740.01	3840	3939.99
70	Channel	649000	656000	663000
	Frequency	3735	3840	3945
60	Channel	648668	656000	663332
	Frequency	3730.02	3840	3949.98
50	Channel	648334	656000	663666
	Frequency	3725.01	3840	3954.99
40	Channel	648000	656000	664000
	Frequency	3720	3840	3960
30	Channel	647668	656000	664332
	Frequency	3715.02	3840	3964.98
25	Channel	647500	656000	664500
	Frequency	3712.5	3840	3967.5
20	Channel	647334	656000	664666
	Frequency	3710.01	3840	3969.99
15	Channel	647168	656000	664832
	Frequency	3707.52	3840	3972.48
10	Channel	647000	656000	665000
	Frequency	3705	3840	3975



5G n78(30kHz) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	650000		
	Frequency	3750		
90	Channel	649668	650000	650332
	Frequency	3745.02	3750	3754.98
80	Channel	649334	650000	650666
	Frequency	3740.01	3750	3759.99
70	Channel	649000	650000	651000
	Frequency	3735	3750	3765
60	Channel	648668	650000	651332
	Frequency	3730.02	3750	3769.98
50	Channel	648334	650000	651666
	Frequency	3725.01	3750	3774.99
40	Channel	648000	650000	652000
	Frequency	3720	3750	3780
30	Channel	647668	650000	652332
	Frequency	3715.02	3750	3784.98
25	Channel	647500	650000	652500
	Frequency	3712.5	3750	3787.5
20	Channel	647334	650000	652666
	Frequency	3710.01	3750	3789.99
15	Channel	647168	650000	652832
	Frequency	3707.52	3750	3792.48
10	Channel	647000	650000	653000
	Frequency	3705	3750	3795

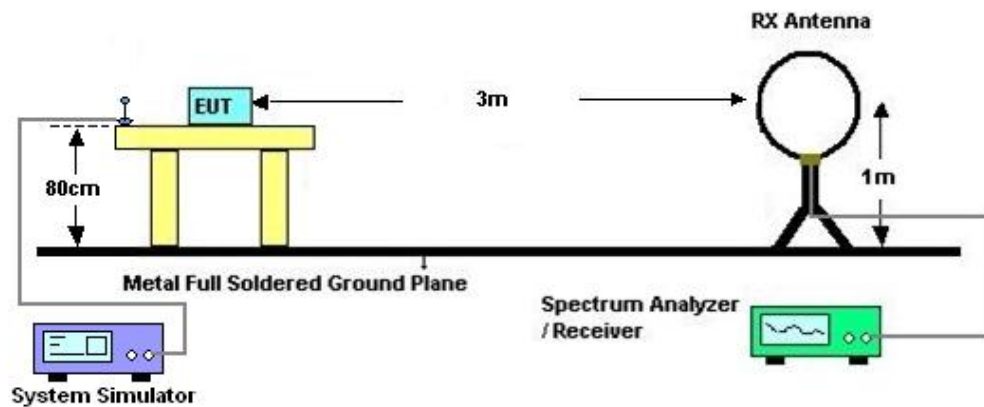
3 Radiated Test Items

3.1 Measuring Instruments

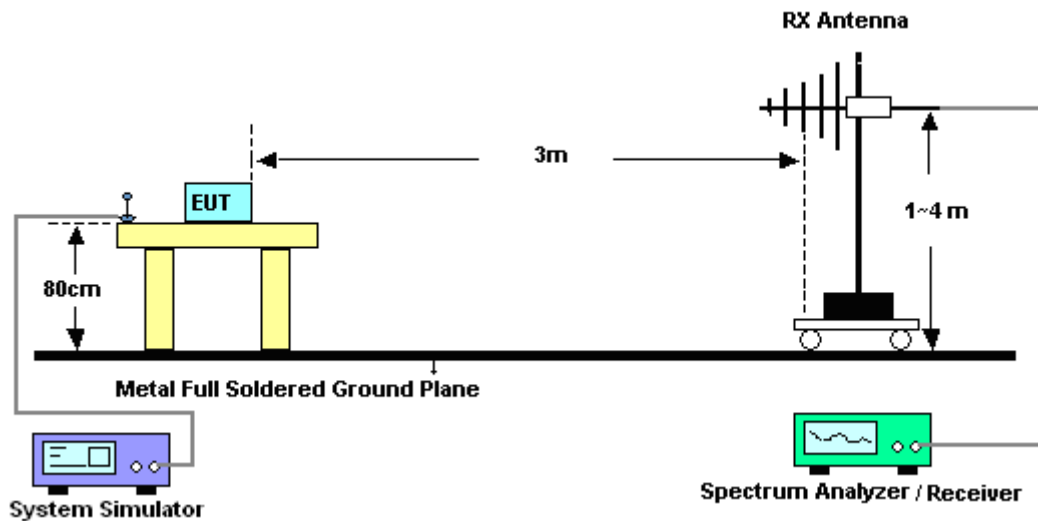
See list of measuring instruments of this test report.

3.2 Test Setup

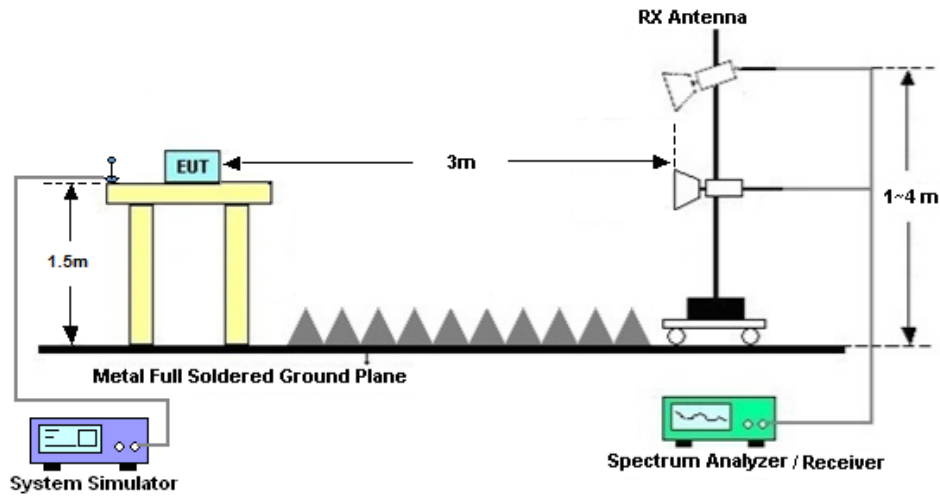
3.2.1 For radiated test below 30MHz



3.2.2 For radiated test from 30MHz to 1GHz



3.2.3 For radiated test above 1GHz



3.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix A.



3.4 Radiated Spurious Emission

3.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26.

For 5G NR n2/n5/n25/n66/n71/n77/n78

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For 5G NR n7/n41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
The limit line is derived from $43 + 10\log(P)\text{dB}$ below the transmitter power $P(\text{Watts})$
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$
13. For 5G NR n7/n41:
The limit line is derived from $55 + 10\log(P)\text{dB}$ below the transmitter power $P(\text{Watts})$
The limit line is derived from $55 + 10\log(P)\text{dB}$ below the transmitter power $P(\text{Watts})$



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Dec. 03, 2024	Nov. 20, 2025	Dec. 02, 2025	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Aug. 10, 2025	Nov. 20, 2025	Aug. 09, 2026	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Nov. 23, 2024	Nov. 20, 2025	Nov. 22, 2025	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00227860	1GHz~18GHz	Aug. 22, 2025	Nov. 20, 2025	Aug. 21, 2026	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101116	18GHz~40GHz	Oct. 21, 2025	Nov. 20, 2025	Oct. 20, 2026	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380826	9KHz-1GHz	Jul. 02, 2025	Nov. 20, 2025	Jul. 01, 2026	Radiation (03CH04-KS)
Amplifier	EM	EM18G40G A	060852	18~40GHz	Jan. 03, 2025	Nov. 20, 2025	Jan. 02, 2026	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060840	1Ghz-18Ghz	Sep. 19, 2025	Nov. 20, 2025	Sep. 18, 2026	Radiation (03CH04-KS)
Amplifier	EM	EM01G18G A	060892	1Ghz-18Ghz	Oct. 11, 2025	Nov. 20, 2025	Oct. 10, 2026	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Nov. 20, 2025	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Nov. 20, 2025	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Nov. 20, 2025	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required

5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage $K=2$ to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.83dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.83dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.82dB
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Appendix A. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jake	Temperature :	21~25°C
		Relative Humidity :	51~53%

Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test and record in the report.

ULCA n2A-n5A (ANT2+1)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n2 BW 40MHz Middle 1RB1,QPSK	3720	-56.31	-13	-43.31	-68.57	2.64	14.90	H
	5582	-55.26	-13	-42.26	-67.12	2.94	14.80	H
	7444	-52.33	-13	-39.33	-62.10	3.39	13.16	H
	3720	-55.95	-13	-42.95	-68.21	2.64	14.90	V
	5582	-55.83	-13	-42.83	-67.69	2.94	14.80	V
	7444	-52.28	-13	-39.28	-62.05	3.39	13.16	V
NR n5 BW 20MHz Middle 1RB1,QPSK	1656	-61.86	-13	-48.86	-66.64	1.09	5.87	H
	2480	-58.02	-13	-45.02	-62.57	1.37	5.92	H
	3312	-57.11	-13	-44.11	-63.15	1.64	7.68	H
	1656	-57.21	-13	-44.21	-61.99	1.09	5.87	V
	2480	-56.28	-13	-43.28	-60.83	1.37	5.92	V
	3312	-56.88	-13	-43.88	-62.92	1.64	7.68	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ULCA n2A-n7A (ANT2+1)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n2 BW 40MHz Middle 1RB1,QPSK	3720	-63.45	-13	-50.45	-75.71	2.64	14.90	H
	5580	-62.56	-13	-49.56	-74.42	2.94	14.80	H
	7455	-60.68	-13	-47.68	-70.45	3.39	13.16	H
	3720	-63.64	-13	-50.64	-75.90	2.64	14.90	V
	5580	-63.05	-13	-50.05	-74.91	2.94	14.80	V
	7455	-60.82	-13	-47.82	-70.59	3.39	13.16	V
NR n7 BW 50MHz Middle 1RB1,QPSK	5040	-61.56	-25	-36.56	-71.77	3.03	13.24	H
	7545	-60.94	-25	-35.94	-70.39	3.56	13.01	H
	10065	-60.00	-25	-35.00	-69.52	3.92	13.44	H
	5040	-61.44	-25	-36.44	-71.65	3.03	13.24	V
	7545	-60.58	-25	-35.58	-70.03	3.56	13.01	V
	10065	-60.36	-25	-35.36	-69.88	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



ULCA_n2A-n66A (ANT2+1)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n2 BW 40MHz Middle 1RB1,QPSK	3720	-55.83	-13	-42.83	-68.09	2.64	14.90	H
	5580	-52.15	-13	-39.15	-64.01	2.94	14.80	H
	7455	-52.03	-13	-39.03	-61.80	3.39	13.16	H
	3720	-55.18	-13	-42.18	-67.44	2.64	14.90	V
	5580	-55.47	-13	-42.47	-67.33	2.94	14.80	V
	7455	-52.22	-13	-39.22	-61.99	3.39	13.16	V
NR n66 BW 45MHz Middle 1RB1,QPSK	3450	-57.22	-13	-44.22	-67.96	2.60	13.34	H
	5175	-54.47	-13	-41.47	-64.98	3.01	13.52	H
	6915	-53.41	-13	-40.41	-63.61	3.27	13.47	H
	3450	-57.23	-13	-44.23	-67.97	2.60	13.34	V
	5175	-54.72	-13	-41.72	-65.23	3.01	13.52	V
	6915	-53.83	-13	-40.83	-64.03	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ULCA_n2A-n71A (ANT2+1)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n2 BW 40MHz Middle 1RB1,QPSK	3724	-55.31	-13	-42.31	-67.57	2.64	14.90	H
	5582	-55.82	-13	-42.82	-67.68	2.94	14.80	H
	7444	-52.46	-13	-39.46	-62.23	3.39	13.16	H
	3724	-56.57	-13	-43.57	-68.83	2.64	14.90	V
	5582	-55.26	-13	-42.26	-67.12	2.94	14.80	V
	7444	-52.45	-13	-39.45	-62.22	3.39	13.16	V
NR n71 BW 35MHz Middle 1RB1,QPSK	1330	-65.93	-13	-52.93	-70.71	1.09	5.87	H
	1993	-59.46	-13	-46.46	-64.01	1.37	5.92	H
	2659	-57.77	-13	-44.77	-63.81	1.64	7.68	H
	1330	-64.99	-13	-51.99	-69.77	1.09	5.87	V
	1993	-59.34	-13	-46.34	-63.89	1.37	5.92	V
	2659	-57.69	-13	-44.69	-63.73	1.64	7.68	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



ULCA_n2A-n77A (ANT2+5)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n2 BW 40MHz Middle 1RB1,QPSK	3725	-55.10	-13	-42.10	-67.36	2.64	14.90	H
	5585	-55.46	-13	-42.46	-67.32	2.94	14.80	H
	7450	-52.16	-13	-39.16	-61.93	3.39	13.16	H
	3725	-55.22	-13	-42.22	-67.48	2.64	14.90	V
	5585	-55.30	-13	-42.30	-67.16	2.94	14.80	V
	7450	-52.17	-13	-39.17	-61.94	3.39	13.16	V
NR n77 BW 100MHz Middle 1RB1,QPSK	7584	-50.48	-13	-37.48	-60.69	3.03	13.24	H
	11376	-48.24	-13	-35.24	-57.69	3.56	13.01	H
	15168	-44.24	-13	-31.24	-53.76	3.92	13.44	H
	7584	-55.58	-13	-42.58	-65.79	3.03	13.24	V
	11376	-49.80	-13	-36.80	-59.25	3.56	13.01	V
	15168	-46.01	-13	-33.01	-55.53	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ULCA_n2A-n78A (ANT2+7)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n2 BW 40MHz Middle 1RB1,QPSK	3720	-54.10	-13	-41.10	-66.36	2.64	14.90	H
	5580	-55.22	-13	-42.22	-67.08	2.94	14.80	H
	7455	-52.02	-13	-39.02	-61.79	3.39	13.16	H
	3720	-55.67	-13	-42.67	-67.93	2.64	14.90	V
	5580	-55.62	-13	-42.62	-67.48	2.94	14.80	V
	7455	-52.53	-13	-39.53	-62.30	3.39	13.16	V
NR n78 BW 100MHz Middle 1RB1,QPSK	7416	-61.35	-13	-48.35	-71.56	3.03	13.24	H
	11112	-51.88	-13	-38.88	-61.33	3.56	13.01	H
	14808	-50.11	-13	-37.11	-59.63	3.92	13.44	H
	7416	-61.30	-13	-48.30	-71.51	3.03	13.24	V
	11112	-54.06	-13	-41.06	-63.51	3.56	13.01	V
	14808	-49.81	-13	-36.81	-59.33	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



ULCA_n5A-n77A (ANT0+7)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n5 BW 40MHz Middle 1RB1,QPSK	1655	-60.10	-13	-47.10	-62.73	1.09	5.87	H
	2485	-57.31	-13	-44.31	-59.71	1.37	5.92	H
	3310	-55.69	-13	-42.69	-59.58	1.64	7.68	H
	1655	-52.67	-13	-39.67	-55.30	1.09	5.87	V
	2485	-55.72	-13	-42.72	-58.12	1.37	5.92	V
	3310	-52.03	-13	-39.03	-55.92	1.64	7.68	V
NR n77 BW 100MHz Middle 1RB1,QPSK	7584	-61.42	-13	-48.42	-71.63	3.03	13.24	H
	11376	-54.40	-13	-41.40	-63.85	3.56	13.01	H
	15168	-48.02	-13	-35.02	-57.54	3.92	13.44	H
	7584	-60.92	-13	-47.92	-71.13	3.03	13.24	V
	11376	-55.83	-13	-42.83	-65.28	3.56	13.01	V
	15168	-45.81	-13	-32.81	-55.33	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ULCA_n5A-n25A (ANT1+2)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n5 BW 40MHz Middle 1RB1,QPSK	1654	-57.39	-13	-44.39	-62.17	1.09	5.87	H
	2482	-42.78	-13	-29.78	-47.33	1.37	5.92	H
	3310	-57.70	-13	-44.70	-63.74	1.64	7.68	H
	1654	-61.08	-13	-48.08	-65.86	1.09	5.87	V
	2482	-56.80	-13	-43.80	-61.35	1.37	5.92	V
	3310	-57.67	-13	-44.67	-63.71	1.64	7.68	V
NR n25 BW 40MHz Middle 1RB1,QPSK	3735	-55.87	-13	-42.87	-67.33	2.84	14.30	H
	5595	-54.99	-13	-41.99	-64.93	3.49	13.43	H
	7455	-52.30	-13	-39.30	-62.54	3.85	14.09	H
	3735	-55.84	-13	-42.84	-67.30	2.84	14.30	V
	5595	-55.41	-13	-42.41	-65.35	3.49	13.43	V
	7455	-52.15	-13	-39.15	-62.39	3.85	14.09	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



ULCA_n5A-n66A (ANT1+2)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n5 BW 40MHz Middle 1RB1,QPSK	1656	-57.16	-13	-44.16	-61.94	1.09	5.87	H
	2482	-57.04	-13	-44.04	-61.59	1.37	5.92	H
	3315	-57.16	-13	-44.16	-63.20	1.64	7.68	H
	1656	-59.10	-13	-46.10	-63.88	1.09	5.87	V
	2482	-55.19	-13	-42.19	-59.74	1.37	5.92	V
	3315	-57.64	-13	-44.64	-63.68	1.64	7.68	V
NR n66 BW 45MHz Middle 1RB1,QPSK	3450	-57.25	-13	-44.25	-67.99	2.60	13.34	H
	5175	-54.89	-13	-41.89	-65.40	3.01	13.52	H
	6900	-54.02	-13	-41.02	-64.22	3.27	13.47	H
	3450	-57.60	-13	-44.60	-68.34	2.60	13.34	V
	5175	-54.77	-13	-41.77	-65.28	3.01	13.52	V
	6900	-54.30	-13	-41.30	-64.50	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ULCA_n7A-n25A (ANT2+1)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n7 BW 50MHz Middle 1RB1,QPSK	5040	-62.03	-25	-37.03	-74.29	2.64	14.90	H
	7545	-61.14	-25	-36.14	-73.00	2.94	14.80	H
	10065	-60.42	-25	-35.42	-70.19	3.39	13.16	H
	5040	-62.04	-25	-37.04	-74.30	2.64	14.90	V
	7545	-56.46	-25	-31.46	-68.32	2.94	14.80	V
	10065	-60.71	-25	-35.71	-70.48	3.39	13.16	V
NR n25 BW 40MHz Middle 1RB1,QPSK	3735	-63.23	-13	-50.23	-74.69	2.84	14.30	H
	5595	-62.42	-13	-49.42	-72.36	3.49	13.43	H
	7455	-60.70	-13	-47.70	-70.94	3.85	14.09	H
	3735	-63.58	-13	-50.58	-75.04	2.84	14.30	V
	5595	-62.72	-13	-49.72	-72.66	3.49	13.43	V
	7455	-61.09	-13	-48.09	-71.33	3.85	14.09	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



ULCA_n7A-n77A (ANT2+7)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n7 BW 50MHz Middle 1RB1,QPSK	5036	-61.50	-25	-36.50	-70.81	2.84	14.30	H
	7542	-59.31	-25	-34.31	-67.10	3.49	13.43	H
	10062	-60.60	-25	-35.60	-68.69	3.85	14.09	H
	5036	-60.94	-25	-35.94	-70.25	2.84	14.30	V
	7542	-53.37	-25	-28.37	-61.16	3.49	13.43	V
	10062	-60.99	-25	-35.99	-69.08	3.85	14.09	V
NR n77 BW 100MHz Middle 1RB1,QPSK	7584	-60.97	-13	-47.97	-71.18	3.03	13.24	H
	11376	-51.22	-13	-38.22	-60.67	3.56	13.01	H
	15168	-48.95	-13	-35.95	-58.47	3.92	13.44	H
	7584	-61.16	-13	-48.16	-71.37	3.03	13.24	V
	11376	-49.63	-13	-36.63	-59.08	3.56	13.01	V
	15168	-46.69	-13	-33.69	-56.21	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ULCA_n7A-n78A (ANT2+7)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n7 BW 50MHz Middle 1RB1,QPSK	5036	-61.18	-25	-36.18	-70.49	2.84	14.30	H
	7542	-58.55	-25	-33.55	-66.34	3.49	13.43	H
	10062	-60.49	-25	-35.49	-68.58	3.85	14.09	H
	5036	-61.64	-25	-36.64	-70.95	2.84	14.30	V
	7542	-53.66	-25	-28.66	-61.45	3.49	13.43	V
	10062	-60.65	-25	-35.65	-68.74	3.85	14.09	V
NR n78 BW 100MHz Middle 1RB1,QPSK	7416	-61.15	-13	-48.15	-71.36	3.03	13.24	H
	11100	-41.20	-13	-28.20	-50.65	3.56	13.01	H
	14808	-46.61	-13	-33.61	-56.13	3.92	13.44	H
	7416	-61.60	-13	-48.60	-71.81	3.03	13.24	V
	11100	-50.40	-13	-37.40	-59.85	3.56	13.01	V
	14808	-45.02	-13	-32.02	-54.54	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



ULCA_n25A-n41A (ANT2+1)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n25 BW 40MHz Middle 1RB1,QPSK	3735	-63.55	-13	-50.55	-75.81	2.64	14.90	H
	5595	-62.19	-13	-49.19	-74.05	2.94	14.80	H
	7455	-56.63	-13	-43.63	-66.40	3.39	13.16	H
	9315	-60.41	-13	-47.41	-70.89	4.00	14.48	H
	3735	-63.12	-13	-50.12	-75.38	2.64	14.90	V
	5595	-62.69	-13	-49.69	-74.55	2.94	14.80	V
	7455	-57.66	-13	-44.66	-67.43	3.39	13.16	V
NR n41 BW 100MHz Middle 1RB1,QPSK	9315	-58.22	-13	-45.22	-68.70	4.00	14.48	V
	5100	-61.69	-25	-36.69	-71.90	3.03	13.24	H
	7650	-61.15	-25	-36.15	-70.60	3.56	13.01	H
	10185	-59.67	-25	-34.67	-69.19	3.92	13.44	H
	5100	-61.54	-25	-36.54	-71.75	3.03	13.24	V
	7650	-60.94	-25	-35.94	-70.39	3.56	13.01	V
	10185	-59.92	-25	-34.92	-69.44	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ULCA_n25A-n66A (ANT2+1)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n25 BW 40MHz Middle 1RB1,QPSK	3735	-63.82	-13	-50.82	-76.08	2.64	14.90	H
	5595	-62.20	-13	-49.20	-74.06	2.94	14.80	H
	7455	-61.01	-13	-48.01	-70.78	3.39	13.16	H
	3735	-63.31	-13	-50.31	-75.57	2.64	14.90	V
	5595	-62.79	-13	-49.79	-74.65	2.94	14.80	V
	7455	-60.84	-13	-47.84	-70.61	3.39	13.16	V
NR n66 BW 45MHz Middle 1RB1,QPSK	3450	-65.19	-13	-52.19	-75.93	2.60	13.34	H
	5175	-61.82	-13	-48.82	-72.33	3.01	13.52	H
	6915	-62.19	-13	-49.19	-72.39	3.27	13.47	H
	3450	-65.01	-13	-52.01	-75.75	2.60	13.34	V
	5175	-62.01	-13	-49.01	-72.52	3.01	13.52	V
	6915	-62.15	-13	-49.15	-72.35	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



ULCA_n25A-n71A (ANT2+1)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n25 BW 40MHz Middle 1RB1,QPSK	3735	-56.12	-13	-43.12	-68.38	2.64	14.90	H
	5595	-55.41	-13	-42.41	-67.27	2.94	14.80	H
	7455	-52.41	-13	-39.41	-62.18	3.39	13.16	H
	3735	-55.53	-13	-42.53	-67.79	2.64	14.90	V
	5595	-55.48	-13	-42.48	-67.34	2.94	14.80	V
	7455	-52.46	-13	-39.46	-62.23	3.39	13.16	V
NR n71 BW 35MHz Middle 1RB1,QPSK	1330	-62.43	-13	-49.43	-67.21	1.09	5.87	H
	1994	-55.14	-13	-42.14	-59.69	1.37	5.92	H
	2660	-50.06	-13	-37.06	-56.10	1.64	7.68	H
	1330	-62.07	-13	-49.07	-66.85	1.09	5.87	V
	1994	-54.71	-13	-41.71	-59.26	1.37	5.92	V
	2660	-50.17	-13	-37.17	-56.21	1.64	7.68	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ULCA_n25A-n78A (ANT2+7)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n25 BW 40MHz Middle 1RB1,QPSK	3730	-55.93	-13	-42.93	-66.04	2.64	14.90	H
	5595	-55.61	-13	-42.61	-65.32	2.94	14.80	H
	7460	-52.89	-13	-39.89	-60.51	3.39	13.16	H
	3730	-55.64	-13	-42.64	-65.75	2.64	14.90	V
	5595	-55.55	-13	-42.55	-65.26	2.94	14.80	V
	7460	-52.44	-13	-39.44	-60.06	3.39	13.16	V
NR n78 BW 100MHz Middle 1RB1,QPSK	7416	-61.38	-13	-48.38	-71.59	3.03	13.24	H
	11100	-50.52	-13	-37.52	-59.97	3.56	13.01	H
	14808	-48.70	-13	-35.70	-58.22	3.92	13.44	H
	7416	-61.77	-13	-48.77	-71.98	3.03	13.24	V
	11100	-51.35	-13	-38.35	-60.80	3.56	13.01	V
	14808	-49.34	-13	-36.34	-58.86	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



ULCA_n41A-n66A (ANT2+1)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n41 BW 100MHz Middle 1RB1,QPSK	5100	-61.66	-25	-36.66	-73.92	2.64	14.90	H
	7635	-59.82	-25	-34.82	-71.68	2.94	14.80	H
	10185	-59.93	-25	-34.93	-69.70	3.39	13.16	H
	5100	-61.69	-25	-36.69	-73.95	2.64	14.90	V
	7635	-57.97	-25	-32.97	-69.83	2.94	14.80	V
	10185	-60.28	-25	-35.28	-70.05	3.39	13.16	V
NR n66 BW 45MHz Middle 1RB1,QPSK	3450	-65.12	-13	-52.12	-75.86	2.60	13.34	H
	5175	-61.34	-13	-48.34	-71.85	3.01	13.52	H
	6900	-62.06	-13	-49.06	-72.26	3.27	13.47	H
	3450	-65.32	-13	-52.32	-76.06	2.60	13.34	V
	5175	-61.73	-13	-48.73	-72.24	3.01	13.52	V
	6900	-62.11	-13	-49.11	-72.31	3.27	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ULCA_n41A-n71A (ANT2+1)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n41 BW 100MHz Middle 1RB1,QPSK	5100	-61.55	-25	-36.55	-73.81	2.64	14.90	H
	7650	-61.20	-25	-36.20	-73.06	2.94	14.80	H
	10185	-60.03	-25	-35.03	-69.80	3.39	13.16	H
	5100	-61.48	-25	-36.48	-73.74	2.64	14.90	V
	7650	-60.56	-25	-35.56	-72.42	2.94	14.80	V
	10185	-60.14	-25	-35.14	-69.91	3.39	13.16	V
NR n71 BW 35MHz Middle 1RB1,QPSK	1330	-62.42	-13	-49.42	-67.20	1.09	5.87	H
	1994	-55.45	-13	-42.45	-60.00	1.37	5.92	H
	2660	-50.36	-13	-37.36	-56.40	1.64	7.68	H
	1330	-61.94	-13	-48.94	-66.72	1.09	5.87	V
	1994	-54.32	-13	-41.32	-58.87	1.37	5.92	V
	2660	-49.45	-13	-36.45	-55.49	1.64	7.68	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ULCA_n41A-n77A (ANT2+7)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n41 BW 100MHz Middle 1RB1,QPSK	5092	-61.91	-25	-36.91	-74.17	2.64	14.90	H
	7640	-60.93	-25	-35.93	-72.79	2.94	14.80	H
	10188	-59.83	-25	-34.83	-69.60	3.39	13.16	H
	5092	-61.86	-25	-36.86	-74.12	2.64	14.90	V
	7640	-61.34	-25	-36.34	-73.20	2.94	14.80	V
	10188	-60.33	-25	-35.33	-70.10	3.39	13.16	V
NR n77 BW 100MHz Middle 1RB1,QPSK	7584	-60.86	-13	-47.86	-71.07	3.03	13.24	H
	11376	-41.54	-13	-28.54	-50.99	3.56	13.01	H
	15168	-46.15	-13	-33.15	-55.67	3.92	13.44	H
	7584	-61.13	-13	-48.13	-71.34	3.03	13.24	V
	11376	-51.22	-13	-38.22	-60.67	3.56	13.01	V
	15168	-48.17	-13	-35.17	-57.69	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ULCA_n41A-n78A (ANT2+7)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n41 BW 100MHz Middle 1RB1,QPSK	5092	-61.65	-25	-36.65	-73.91	2.64	14.90	H
	7640	-61.25	-25	-36.25	-73.11	2.94	14.80	H
	10188	-59.91	-25	-34.91	-69.68	3.39	13.16	H
	5092	-61.70	-25	-36.70	-73.96	2.64	14.90	V
	7640	-61.30	-25	-36.30	-73.16	2.94	14.80	V
	10188	-59.97	-25	-34.97	-69.74	3.39	13.16	V
NR n78 BW 100MHz Middle 1RB1,QPSK	7416	-61.62	-13	-48.62	-71.83	3.03	13.24	H
	11112	-52.30	-13	-39.30	-61.75	3.56	13.01	H
	14808	-48.35	-13	-35.35	-57.87	3.92	13.44	H
	7416	-61.23	-13	-48.23	-71.44	3.03	13.24	V
	11112	-49.28	-13	-36.28	-58.73	3.56	13.01	V
	14808	-49.36	-13	-36.36	-58.88	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



ULCA_n66A-n71A (ANT2+1)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n66 BW 45MHz Middle 1RB1,QPSK	3450	-57.02	-13	-44.02	-67.76	2.60	13.34	H
	5175	-54.27	-13	-41.27	-64.78	3.01	13.52	H
	6900	-53.42	-13	-40.42	-63.62	3.27	13.47	H
	3450	-57.34	-13	-44.34	-68.08	2.60	13.34	V
	5175	-54.69	-13	-41.69	-65.20	3.01	13.52	V
	6900	-54.05	-13	-41.05	-64.25	3.27	13.47	V
NR n71 BW 35MHz Middle 1RB1,QPSK	1330	-62.43	-13	-49.43	-67.21	1.09	5.87	H
	1994	-55.02	-13	-42.02	-59.57	1.37	5.92	H
	2660	-50.56	-13	-37.56	-56.60	1.64	7.68	H
	1330	-61.78	-13	-48.78	-66.56	1.09	5.87	V
	1994	-54.28	-13	-41.28	-58.83	1.37	5.92	V
	2660	-49.52	-13	-36.52	-55.56	1.64	7.68	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ULCA_n66A-n78A (ANT2+7)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n66 BW 45MHz Middle 1RB1,QPSK	3450	-56.79	-13	-43.79	-65.38	2.6	13.34	H
	5175	-54.76	-13	-41.76	-63.12	3.01	13.52	H
	6900	-54.11	-13	-41.11	-62.16	3.27	13.47	H
	3450	-58.13	-13	-45.13	-66.72	2.60	13.34	V
	5175	-55.56	-13	-42.56	-63.92	3.01	13.52	V
	6900	-54.54	-13	-41.54	-62.59	3.27	13.47	V
NR n78 BW 100MHz Middle 1RB1,QPSK	7416	-61.53	-13	-48.53	-71.74	3.03	13.24	H
	11100	-48.85	-13	-35.85	-58.30	3.56	13.01	H
	14808	-46.92	-13	-33.92	-56.44	3.92	13.44	H
	7416	-61.87	-13	-48.87	-72.08	3.03	13.24	V
	11100	-51.20	-13	-38.20	-60.65	3.56	13.01	V
	14808	-44.70	-13	-31.70	-54.22	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



ULCA_n66A-n7A (ANT2+1)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n66 BW 45MHz Middle 1RB1,QPSK	3450	-65.20	-13	-52.20	-75.94	2.604	13.34	H
	5175	-61.54	-13	-48.54	-72.05	3.011	13.52	H
	6915	-61.85	-13	-48.85	-72.05	3.271	13.47	H
	3450	-65.13	-13	-52.13	-75.87	2.604	13.34	V
	5175	-61.85	-13	-48.85	-72.36	3.011	13.52	V
	6915	-62.03	-13	-49.03	-72.23	3.271	13.47	V
NR n7 BW 50MHz Middle 1RB1,QPSK	5040	-61.83	-25	-36.83	-72.04	3.03	13.24	H
	7545	-60.32	-25	-35.32	-69.77	3.56	13.01	H
	10065	-47.20	-25	-22.20	-56.72	3.92	13.44	H
	12585	-57.06	-25	-32.06	-66.98	4.44	14.36	H
	5040	-61.42	-25	-36.42	-71.63	3.03	13.24	V
	7545	-60.66	-25	-35.66	-70.11	3.56	13.01	V
	10065	-56.06	-25	-31.06	-65.58	3.92	13.44	V
	12585	-54.35	-25	-29.35	-64.27	4.44	14.36	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ULCA_n71A-n77A (ANT0+7)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n71 BW 35MHz Middle 1RB1,QPSK	1330	-58.30	-13	-45.30	-60.93	1.09	5.87	H
	1995	-60.47	-13	-47.47	-62.87	1.37	5.92	H
	2660	-58.27	-13	-45.27	-62.16	1.64	7.68	H
	1330	-64.64	-13	-51.64	-67.27	1.09	5.87	V
	1995	-59.95	-13	-46.95	-62.35	1.37	5.92	V
	2660	-57.81	-13	-44.81	-61.70	1.64	7.68	V
NR n77 BW 100MHz Middle 1RB1,QPSK	7584	-60.88	-13	-47.88	-71.09	3.03	13.24	H
	11376	-52.44	-13	-39.44	-61.89	3.56	13.01	H
	15168	-48.01	-13	-35.01	-57.53	3.92	13.44	H
	7584	-61.87	-13	-48.87	-72.08	3.03	13.24	V
	11376	-50.39	-13	-37.39	-59.84	3.56	13.01	V
	15168	-45.53	-13	-32.53	-55.05	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



ULCA_n71A-n78A (ANT0+7)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n71 BW 35MHz Middle 1RB1,QPSK	1330	-66.10	-13	-53.10	-68.73	1.09	5.87	H
	1993	-60.17	-13	-47.17	-62.57	1.37	5.92	H
	2659	-58.71	-13	-45.71	-62.60	1.64	7.68	H
	1330	-65.74	-13	-52.74	-68.37	1.09	5.87	V
	1993	-59.59	-13	-46.59	-61.99	1.37	5.92	V
	2659	-57.96	-13	-44.96	-61.85	1.64	7.68	V
NR n78 BW 100MHz Middle 1RB1,QPSK	7416	-61.71	-13	-48.71	-71.92	3.03	13.24	H
	11100	-49.45	-13	-36.45	-58.90	3.56	13.01	H
	14808	-46.18	-13	-33.18	-55.70	3.92	13.44	H
	7416	-61.48	-13	-48.48	-71.69	3.03	13.24	V
	11100	-52.07	-13	-39.07	-61.52	3.56	13.01	V
	14808	-45.42	-13	-32.42	-54.94	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.