



Partial FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2529-2
FCC ID : IHDT56AV2
STANDARD : 47 CFR Part 22(H), 27(N), 27(O) , 27(Q)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Mar. 16, 2025

We, Sporton International Inc. (Shenzhen), 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. (Shenzhen), the test report shall not be reproduced except in full.

Jason Jia



Approved by: Jason Jia

Sporton International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG520602-01B	Rev. 01	Initial issue of report	Mar. 28, 2025



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1053 §22.917(a) §27.53(g) §27.53(l)(2)	Radiated Spurious Emission (5G NR n5) (5G NR n71) (5G NR n77, n78)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 21.65 dB at 11376.00 MHz
	§2.1053 §27.53 (n)(2)	(5G NR n77, n78)	-13dBm/MHz		

Note: This is a partial report which only test RSE item, the other test items are tested in a separate report issued by manufacturer.

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/manufacturer 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	XT2529-2
FCC ID	IHDT56AV2
IMEI Code	Radiation : 351971360016676/351971360016684 for Sample 1 350133800008091/350133800008109 for Sample 2 351971360031857/351971360031865 for Sample 3
HW Version	DVT2
SW Version	V2VO35.59
EUT Stage	Identical Prototype

Remark: There are three types of EUT, the differences could be referred to the XT2529-2_Operational Description of Product Equality Declaration which is exhibit separately. According to the difference, we choose sample 1 to full test and the sample 2/3 is verified the RSE worse case for 5G NR in this report.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	5G NR n5 : 824 MHz ~ 849 MHz 5G NR n71: 663 MHz ~ 698 MHz 5G NR n77 : 3450 MHz ~ 3550 MHz; 3700 MHz ~ 3980 MHz; 5G NR n78 : 3450 MHz ~ 3550 MHz; 3700 MHz ~ 3800 MHz;
Rx Frequency	5G NR n5 : 869 MHz ~ 894 MHz 5G NR n71: 617 MHz ~ 652 MHz 5G NR n77 : 3450 MHz ~ 3550 MHz; 3700 MHz ~ 3980 MHz; 5G NR n78 : 3450 MHz ~ 3550 MHz; 3700 MHz ~ 3800 MHz;
Bandwidth	For SCS 15kHz: n5: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz(DownLink only) n71: 5MHz / 10MHz / 15MHz / 20MHz n77/n78: 10 / 15 / 20 / 25 / 30 / 40 / 50 For SCS 30kHz: n5: 10MHz / 15MHz / 20MHz / 25MHz(DownLink only) n71: 10MHz / 15MHz / 20MHz n77/n78: 10 / 15 / 20 / 25 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100MHz
SCS	15kHz, 30kHz
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. 5G NR n77/n78 support HPUE mode.
2. 5G NR n5/n77/n78 support SA mode and NSA mode, n71 supports SA mode only.
3. All the supported ENDC combinations are verified conducted power, only the ENDC combination with highest power are shown in the report.
4. The device supports two PAs for 5G NR n5/n77 (main PA, and other PA support NSA mode only), both the PAs are tested and shown in the report.
5. The EN-DC mode combination could be referred to the product spec.
6. For RSE test, n78 is covered by n77
7. For 5G NR n5, only NSA mode was tested and shown in the report.

1.5 Modification of EUT

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



1.6 Testing Location

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH02-SZ	CN1256	421272

1.7 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a

1.8 Applicable Standards

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

- ♦ 47 CFR Part 22(H), 27(N), 27(O), 27(Q)
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

All test items were verified and recorded according to the standards and without any deviation during the test.



1.9 Specification of Accessory

Accessories Information				
AC Adapter 1(US)	Brand Name	Motorola(Salcomp)	Model Name	MC-331L
AC Adapter 1(EU)	Brand Name	Motorola(Salcomp)	Model Name	MC-332L
AC Adapter 1(UK)	Brand Name	Motorola(Salcomp)	Model Name	MC-333L
AC Adapter 1(AU)	Brand Name	Motorola(Salcomp)	Model Name	MC-335L
AC Adapter 1(AR)	Brand Name	Motorola(Salcomp)	Model Name	MC-336L
AC Adapter 1(BR)	Brand Name	Motorola(Salcomp)	Model Name	MC-337L
AC Adapter 1(CHILE)	Brand Name	Motorola(Salcomp)	Model Name	MC-339L
AC Adapter 1(KR)	Brand Name	Motorola(Salcomp)	Model Name	MC-330L
AC Adapter 2(US)	Brand Name	Motorola(Chenyang)	Model Name	MC-331L
AC Adapter 2(EU)	Brand Name	Motorola(Chenyang)	Model Name	MC-332L
AC Adapter 2(UK)	Brand Name	Motorola(Chenyang)	Model Name	MC-333L
AC Adapter 2(AR)	Brand Name	Motorola(Chenyang)	Model Name	MC-336L
AC Adapter 2(BR)	Brand Name	Motorola(Chenyang)	Model Name	MC-337L
AC Adapter 3(IN)	Brand Name	Motorola(AOHAI)	Model Name	MC-334L
AC Adapter 3(IN)	Brand Name	Motorola(XIHI)	Model Name	MC-334L
AC Adapter 4(IN)	Brand Name	Motorola(Salcomp)	Model Name	MC-334L
AC Adapter 4(IN)	Brand Name	Motorola(Salcomp)	Model Name	MC-334L
AC Adapter 5(US)	Brand Name	Motorola(Salcomp)	Model Name	MC-331
Battery 1	Brand Name	Motorola(Sunwoda)	Model Name	RB52
Battery 2	Brand Name	Motorola(ATL)	Model Name	RB52
Battery 3	Brand Name	Motorola(SCUD)	Model Name	RB52
USB Cable 1	Brand Name	Motorola(Yihuaxing)	Model Name	T365-020 T365-020-01 T365-020-02
USB Cable 2	Brand Name	Motorola(WASHIN)	Model Name	HX-TL-01 HX-TL-07 HX-TL-08
USB Cable 3	Brand Name	Motorola(Juwei)	Model Name	JWUB1614-T03H JWUB1705-T03H JWUB1856-T03H
USB Cable 4	Brand Name	Motorola(Saibao)	Model Name	STN-A131A
USB Cable 5	Brand Name	Motorola(WASHIN)	Model Name	HX-TL-04
Earphone 1	Brand Name	Motorola(Juwei)	Model Name	MH191
Earphone 2	Brand Name	Motorola(NEW LEADER)	Model Name	MH191




2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

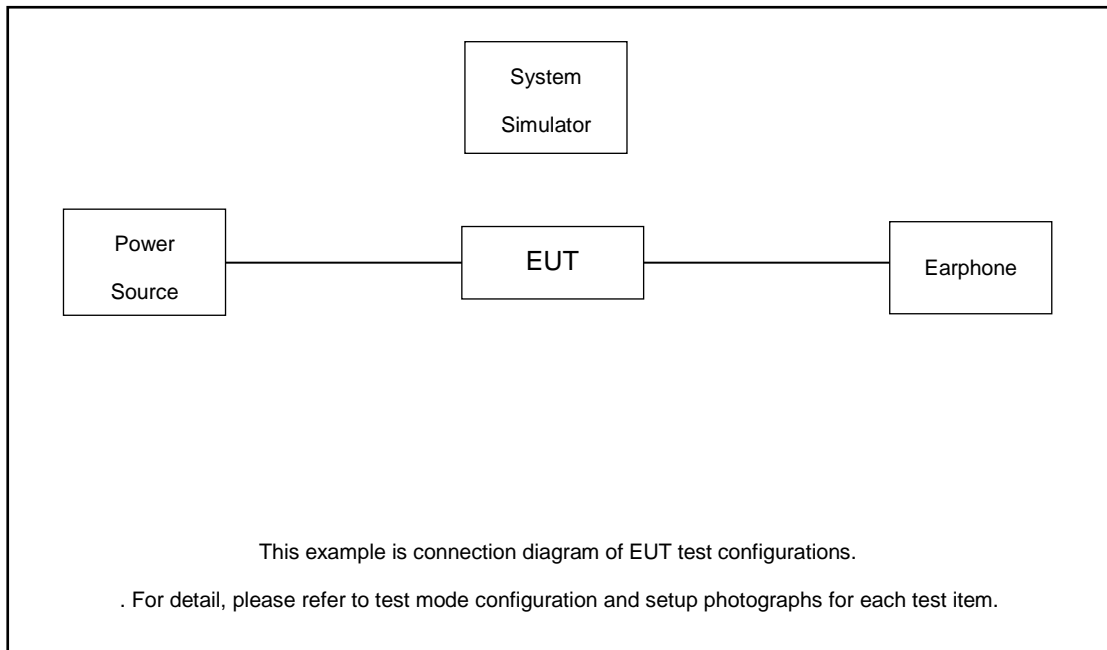
For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.

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.

	X Plane	Y Plane	Z Plane
Orthogonal Planes of EUT			

Test Items	5G NR	Bandwidth (MHz)										Modulation				RB #		Test Channel				
		5	10	15	20	25	30	35	40	45	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H		
Radiated Spurious Emission	n5	Worst Case																			v	
	n71	Worst Case																			v	
	n77	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.																					

2.2 Connection Diagram of Test System



The EUT has been configuration operated in a manner tended to maximize its emission characteristics in a typical application.

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.	LTE Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m



2.4 Frequency List of Low/Middle/High Channels

5G NR n5 (15k/30kHz) 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 n71 (15k/30kHz) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
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

Note: n5/n71 not support bw 5MHz for SCS 30k.



5G n77 (15kHz) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
50	Channel	648334	656000	663666
	Frequency	3725.01	3840	3954.99
40	Channel	648000	656000	664000
	Frequency	3720	3840	3960
30	Channel	647667	656000	664332
	Frequency	3715.005	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	647167	656000	664833
	Frequency	3707.505	3840	3972.495
10	Channel	647000	656000	665000
	Frequency	3705	3840	3975

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 (15kHz) Channel and Frequency List for Part 270				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
50	Channel	648334	650000	651666
	Frequency	3725.01	3750	3774.99
40	Channel	648000	650000	652000
	Frequency	3720	3750	3780
30	Channel	647667	650000	652333
	Frequency	3715.005	3750	3784.995
25	Channel	647500	650000	652500
	Frequency	3712.5	3750	3787.5
20	Channel	647334	650000	652666
	Frequency	3710.01	3750	3789.99
15	Channel	647167	650000	652833
	Frequency	3707.505	3750	3792.495
10	Channel	647000	650000	653000
	Frequency	3705	3750	3795



5G n78 (30kHz) Channel and Frequency List for Part 270				
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



5G n77/n78 (15kHz) Channel and Frequency List for Part 27Q				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
25	Channel	630834	633334	635832
	Frequency	3462.51	3500.01	3537.48
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98



5G n77/n78 (30kHz) Channel and Frequency List for Part 27Q				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
25	Channel	630834	633334	635832
	Frequency	3462.51	3500.01	3537.48
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

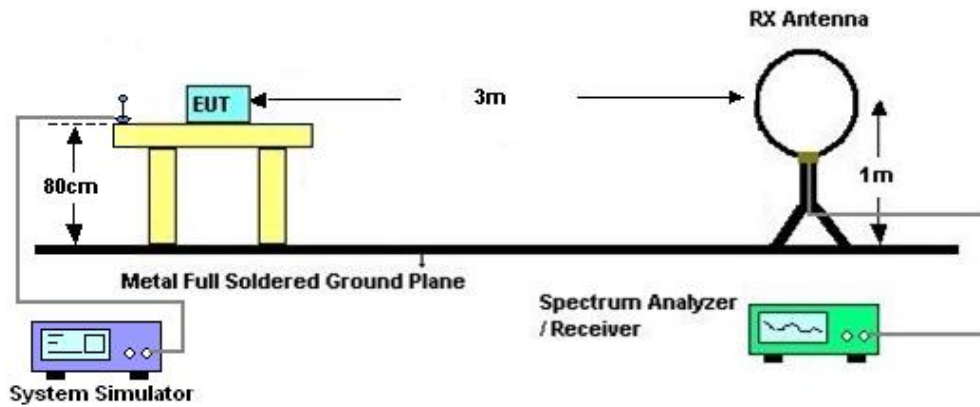
3 Radiated Test Items

3.1 Measuring Instruments

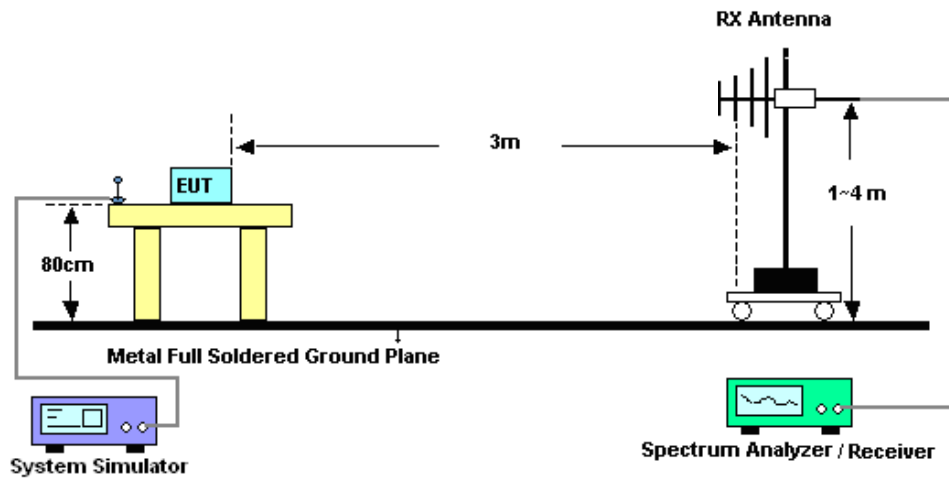
See list of measuring instruments of this test report.

3.2 Test Setup

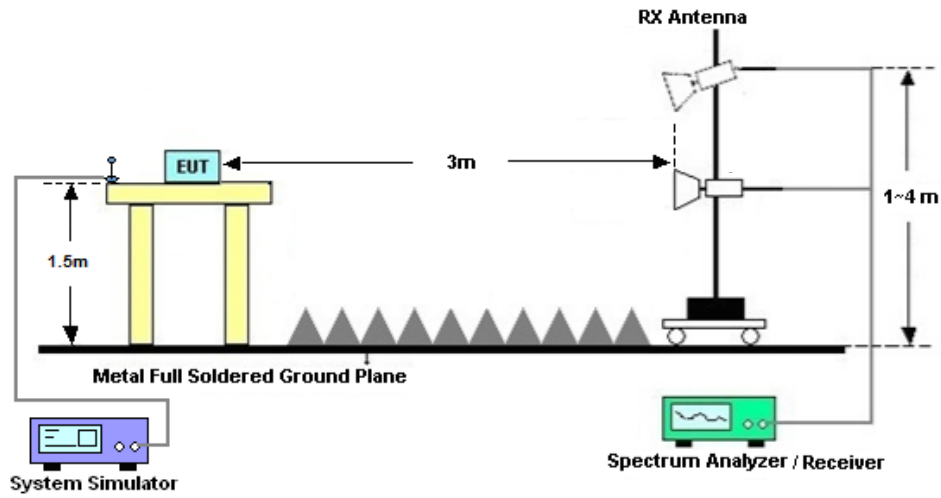
3.2.1 For radiated test below 30MHz



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.

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 n77/n78 27Q:

The power of any emission outside of the authorized operating frequency ranges shall not exceed -13 dBm/MHz.

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.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	Mar. 16, 2025	Jul. 02, 2025	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Mar. 16, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Mar. 16, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2024	Mar. 16, 2025	Jul. 04, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	Mar. 16, 2025	Jul. 03, 2025	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 09, 2024	Mar. 16, 2025	Apr. 08, 2025	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 18, 2024	Mar. 16, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P-R	1943528	1GHz~18GHz	Oct. 14, 2024	Mar. 16, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	Mar. 16, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	Mar. 16, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Mar. 16, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Mar. 16, 2025	NCR	Radiation (03CH02-SZ)

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 (30MHz~1GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.47 dB
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Uncertainty of Radiated Emission Measurement (1GHz~18GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.31 dB
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Uncertainty of Radiated Emission Measurement (18GHz~40GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.72 dB
---	---------

----- THE END -----



Appendix A. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Kuang Jia	Temperature :	22~25°C
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

For Sample 1:

EN-DC_7A_n5A / LTE 10MHz + NR 20MHz / QPSK (ANT1+4)									
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n5 Middle	1655	-65.76	-13	-52.76	-75.69	-69.01	4.00	9.40	H
	2482.5	-62.21	-13	-49.21	-76.70	-65.78	4.88	10.60	H
	3310	-62.10	-13	-49.10	-78.43	-67.03	5.52	12.60	H
	1655	-66.07	-13	-53.07	-75.60	-69.32	4.00	9.40	V
	2482.5	-62.42	-13	-49.42	-76.88	-65.99	4.88	10.60	V
	3310	-62.58	-13	-49.58	-78.69	-67.51	5.52	12.60	V
LTE Band 7 Middle	5061.00	-61.12	-25	-36.12	-83.10	-66.68	7.14	12.70	H
	7591.50	-54.95	-25	-29.95	-81.56	-58.25	8.30	11.60	H
	10122.00	-50.55	-25	-25.55	-81.93	-52.07	10.48	12.00	H
	5061.00	-60.45	-25	-35.45	-82.57	-66.01	7.14	12.70	V
	7591.50	-54.91	-25	-29.91	-81.47	-58.21	8.30	11.60	V
	10122.00	-51.59	-25	-26.59	-81.6	-53.11	10.48	12.00	V

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



EN-DC_7A_n5A / LTE 10MHz + NR 20MHz / QPSK (ANT1+4) for Other PA									
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n5 Middle	1655	-65.76	-13	-52.76	-75.69	-69.01	4.00	9.40	H
	2482.5	-62.21	-13	-49.21	-76.70	-65.78	4.88	10.60	H
	3310	-62.08	-13	-49.08	-78.41	-67.01	5.52	12.60	H
	1655	-66.07	-13	-53.07	-75.60	-69.32	4.00	9.40	V
	2482.5	-62.42	-13	-49.42	-76.88	-65.99	4.88	10.60	V
	3310	-62.68	-13	-49.68	-78.79	-67.61	5.52	12.60	V
LTE Band 7 Middle	5061.00	-61.01	-25	-36.01	-82.99	-66.57	7.14	12.70	H
	7591.50	-55.12	-25	-30.12	-81.73	-58.42	8.30	11.60	H
	10122.00	-50.76	-25	-25.76	-82.14	-52.28	10.48	12.00	H
	5061.00	-60.76	-25	-35.76	-82.88	-66.32	7.14	12.70	V
	7591.50	-54.98	-25	-29.98	-81.54	-58.28	8.30	11.60	V
	10122.00	-51.74	-25	-26.74	-81.75	-53.26	10.48	12.00	V

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

n71 SA / NR 20MHz / QPSK(ANT0)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1343	-65.48	-13	-52.48	-75.54	-68.73	4.00	9.40	H
	2014.5	-65.56	-13	-52.56	-76.92	-69.13	4.88	10.60	H
	2686	-62.17	-13	-49.17	-77.42	-67.10	5.52	12.60	H
	1343	-66.10	-13	-53.10	-75.79	-69.35	4.00	9.40	V
	2014.5	-65.52	-13	-52.52	-76.77	-69.09	4.88	10.60	V
	2686	-62.33	-13	-49.33	-77.60	-67.26	5.52	12.60	V

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

n77 SA / NR 100MHz / QPSK(ANT7) (270)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7584.00	-59.82	-13	-46.82	-65.75	-63.12	8.30	11.60	H
	11376.00	-34.65	-13	-21.65	-49.42	-36.17	10.48	12.00	H
	15168.00	-50.78	-13	-37.78	-67.80	-52.48	11.80	13.50	H
	7584.00	-59.74	-13	-46.74	-65.63	-63.04	8.30	11.60	V
	11376.00	-38.54	-13	-25.54	-53.04	-40.06	10.48	12.00	V
	15168.00	-51.89	-13	-38.89	-68.26	-53.59	11.80	13.50	V

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



EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / QPSK(1+7) (270)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Middle	7584.00	-58.14	-13	-45.14	-64.07	-61.44	8.30	11.60	H
	11376.00	-39.47	-13	-26.47	-54.24	-40.99	10.48	12.00	H
	15168.00	-48.99	-13	-35.99	-66.01	-50.69	11.80	13.50	H
	7584.00	-58.57	-13	-45.57	-64.46	-61.87	8.30	11.60	V
	11376.00	-38.40	-13	-25.40	-52.9	-39.92	10.48	12.00	V
	15168.00	-51.28	-13	-38.28	-67.65	-52.98	11.80	13.50	V
LTE Band41 Middle	5177.00	-60.74	-25	-35.74	-82.53	-66.30	7.14	12.70	H
	7765.50	-58.23	-25	-33.23	-64.07	-61.53	8.30	11.60	H
	10354.00	-56.32	-25	-31.32	-67.96	-57.84	10.48	12.00	H
	5177.00	-60.25	-25	-35.25	-82.33	-65.81	7.14	12.70	V
	7765.50	-57.95	-25	-32.95	-64.07	-61.25	8.30	11.60	V
	10354.00	-57.14	-25	-32.14	-67.91	-58.66	10.48	12.00	V

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

EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / QPSK(1+7) for Other PA (270)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Middle	7584.00	-58.37	-13	-45.37	-64.30	-61.67	8.30	11.60	H
	11376.00	-35.11	-13	-22.11	-49.88	-36.63	10.48	12.00	H
	15168.00	-50.38	-13	-37.38	-67.40	-52.08	11.80	13.50	H
	7584.00	-58.84	-13	-45.84	-64.73	-62.14	8.30	11.60	V
	11376.00	-36.48	-13	-23.48	-50.98	-38.00	10.48	12.00	V
	15168.00	-51.00	-13	-38.00	-67.37	-52.70	11.80	13.50	V
LTE Band41 Middle	5177.00	-60.63	-25	-35.63	-82.42	-66.19	7.14	12.70	H
	7765.50	-57.36	-25	-32.36	-63.64	-60.66	8.30	11.60	H
	10354.00	-55.61	-25	-30.61	-67.25	-57.13	10.48	12.00	H
	5177.00	-60.37	-25	-35.37	-82.45	-65.93	7.14	12.70	V
	7765.50	-57.59	-25	-32.59	-63.71	-60.89	8.30	11.60	V
	10354.00	-56.93	-25	-31.93	-67.7	-58.45	10.48	12.00	V

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



n77 SA / NR 100MHz / QPSK(ANT7) (27Q)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6904.00	-59.29	-13	-46.29	-63.55	-62.59	8.30	11.60	H
	10356.00	-51.92	-13	-38.92	-63.68	-53.44	10.48	12.00	H
	13808.00	-52.70	-13	-39.70	-68.01	-54.40	11.80	13.50	H
	6904.00	-58.77	-13	-45.77	-63.51	-62.07	8.30	11.60	V
	10356.00	-53.32	-13	-40.32	-64.21	-54.84	10.48	12.00	V
	13808.00	-52.70	-13	-39.70	-67.35	-54.40	11.80	13.50	V

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

EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / QPSK(1+7) (27Q)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Middle	6904.00	-55.40	-13	-42.40	-59.66	-58.70	8.30	11.60	H
	10356.00	-45.97	-13	-32.97	-57.73	-47.49	10.48	12.00	H
	13808.00	-52.31	-13	-39.31	-67.62	-54.01	11.80	13.50	H
	6904.00	-55.82	-13	-42.82	-60.56	-59.12	8.30	11.60	V
	10356.00	-48.10	-13	-35.10	-58.99	-49.62	10.48	12.00	V
	13808.00	-51.00	-13	-38.00	-65.65	-52.70	11.80	13.50	V
LTE Band41 Middle	5177.00	-60.40	-25	-35.40	-82.19	-65.96	7.14	12.70	H
	7765.50	-53.35	-25	-28.35	-59.33	-56.65	8.30	11.60	H
	5177.00	-60.67	-25	-35.67	-82.75	-66.23	7.14	12.70	V
	7765.50	-58.09	-25	-33.09	-63.91	-61.39	8.30	11.60	V

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

EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / QPSK(1+7) for Other PA (27Q)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Middle	6904.00	-57.87	-13	-44.87	-62.13	-61.17	8.30	11.60	H
	10356.00	-48.71	-13	-35.71	-60.47	-50.23	10.48	12.00	H
	13808.00	-51.21	-13	-38.21	-66.52	-52.91	11.80	13.50	H
	6904.00	-55.69	-13	-42.69	-60.43	-58.99	8.30	11.60	V
	10356.00	-47.92	-13	-34.92	-58.81	-49.44	10.48	12.00	V
	13808.00	-51.48	-13	-38.48	-66.13	-53.18	11.80	13.50	V
LTE Band41 Middle	5177.00	-60.67	-25	-35.67	-82.46	-66.23	7.14	12.70	H
	7765.50	-58.18	-25	-33.18	-64.16	-61.48	8.30	11.60	H
	5177.00	-60.89	-25	-35.89	-82.97	-66.45	7.14	12.70	V
	7765.50	-59.06	-25	-34.06	-64.88	-62.36	8.30	11.60	V

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



For Sample 2:

n77 SA / NR 100MHz / QPSK(ANT7) (270)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7584.00	-57.42	-13	-44.42	-63.35	-60.72	8.30	11.60	H
	11376.00	-49.43	-13	-36.43	-64.20	-50.95	10.48	12.00	H
	15168.00	-50.03	-13	-37.03	-67.05	-51.73	11.80	13.50	H
	7584.00	-58.09	-13	-45.09	-63.98	-61.39	8.30	11.60	V
	11376.00	-51.56	-13	-38.56	-66.06	-53.08	10.48	12.00	V
	15168.00	-51.02	-13	-38.02	-67.39	-52.72	11.80	13.50	V

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

For Sample 3:

n77 SA / NR 100MHz / QPSK(ANT7) (270)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7584.00	-58.08	-13	-45.08	-64.01	-61.38	8.30	11.60	H
	11376.00	-53.34	-13	-40.34	-68.11	-54.86	10.48	12.00	H
	15168.00	-50.52	-13	-37.52	-67.54	-52.22	11.80	13.50	H
	7584.00	-57.51	-13	-44.51	-63.4	-60.81	8.30	11.60	V
	11376.00	-51.97	-13	-38.97	-66.47	-53.49	10.48	12.00	V
	15168.00	-50.87	-13	-37.87	-67.24	-52.57	11.80	13.50	V

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