



FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2615-1, XT2615-2, XT2615-3, XT2615V
FCC ID : IHDT56AT9
STANDARD : 47 CFR Part 22, 24, 27, 90
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Jun. 25, 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.



Approved by: Fly Liang

Sporton International Inc. (ShenZhen)

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People's Republic of China



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APPENDIX A. TEST RESULTS OF CONDUCTED TEST



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG561221D	Rev. 01	Initial issue of report	Jul. 17, 2025



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§22.913(a)(5)	Effective Radiated Power (5G NR n5, n26)	ERP < 7 Watt		
	§24.232(c)	Equivalent Isotropic Radiated Power (5G NR n2, n25)	EIRP < 2Watt		
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (5G NR n66, n70)	EIRP < 1Watt		
	§27.50(c)(10)	Effective Radiated Power (5G NR n12, n71)	ERP < 3 Watt		
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (5G NR n7, n41)	EIRP < 2Watt		
	§27.50(j)(3)	Equivalent Isotropic Radiated Power (5G NR n77, n78)	EIRP < 1Watt		
	§27.50 (k)(3)	Equivalent Isotropic Radiated Power (5G NR n77, n78)	EIRP < 1Watt		
	§90.542 (a)(7)	Effective Radiated Power (5G NR n14)	ERP < 3Watt		
	§27.50 (a)(3)	Equivalent Isotropic Radiated Power (5G NR n30)	EIRP < 250mW/5MHz		

Note: This is a variant report, the change note could be referred to the XT2615-1, XT2615-2, XT2615-3, XT2615V_ Operational Description of Product Equality Declaration which is exhibit separately. According to the change, only the worse cases of Conducted power/ERP/EIRP were verified from the original reports FG482618J&FG482618K& FG482618Q&FG482618R&FG482618L&FG482618N&FG482618M, the worse RSE test cases of 5G NR were verified in another report FG561221E.

Conformity Assessment Condition:
<ol style="list-style-type: none"> 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. 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	XT2615-1, XT2615-2, XT2615-3, XT2615V
FCC ID	IHDT56AT9
IMEI Code	350173620028077/350173620028085
HW Version	DVT2
SW Version	WWN36.6
EUT Stage	Identical Prototype

Remark: There are four models, the four models are for different markets and no other difference.

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 n14: 788 MHz ~ 798 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n26 : 824 MHz ~ 849 MHz(22H) 5G NR n26 : 814 ~ 824 MHz(90S) 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n70 : 1695 MHz ~ 1710 MHz 5G NR n7 : 2500 MHz ~ 2570 MHz 5G NR n12 : 699 MHz ~ 716 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n71: 663 MHz ~ 698 MHz 5G NR n77: 3450 MHz ~ 3550 MHz(27Q) 5G NR n78: 3450 MHz ~ 3550 MHz(27Q) 5G NR n77: 3700 MHz ~ 3980 MHz(27O) 5G NR n78: 3700 MHz ~ 3800 MHz(27O)
Rx Frequency	5G NR n2 : 1930 MHz ~ 1990 MHz 5G NR n5 : 869 MHz ~ 894 MHz



	5G NR n14: 758 MHz ~ 768 MHz 5G NR n25 : 1930 MHz ~ 1995 MHz 5G NR n26 : 869 MHz ~ 894 MHz(22H) 5G NR n26 : 859 ~ 869 MHz(90S) 5G NR n30 : 2350 MHz ~ 2360 MHz 5G NR n66 : 2110 MHz~ 2200 MHz 5G NR n70 : 1995 MHz ~ 2020 MHz 5G NR n7 : 2620 MHz ~ 2690 MHz 5G NR n12: 729 MHz ~ 746 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n71: 617 MHz ~ 652 MHz 5G NR n77: 3450 MHz ~ 3550 MHz(27Q) 5G NR n78: 3450 MHz ~ 3550 MHz(27Q) 5G NR n77: 3700 MHz ~ 3980 MHz(27O) 5G NR n78: 3700 MHz ~ 3800 MHz(27O)
Bandwidth	n2: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 35MHz / 40MHz n25: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 35MHz / 40MHz (45MHz DL only) n5: 5MHz / 10MHz / 15MHz / 20MHz (25MHz DL only) n26: 5MHz / 10MHz / 15MHz / 20MHz (25/30MHz DL only) n66: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 35MHz / 40MHz / 45MHz n70: 5MHz / 10MHz / 15MHz (20/25MHz DL only) n7: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 35MHz / 40MHz / 50MHz n12: 5MHz / 10MHz / 15MHz n41 : 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 35MHz / 40MHz / 45MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz n71: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 35MHz n14/n30: 5MHz / 10MHz n77/n78: 10 / 15 / 20 / 25 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100MHz
SCS	15kHz for FDD bands, 30kHz for TDD bands
Antenna Gain	<Ant. 0> n2: -2.7 dBi n5: -3.8 dBi n25: -2.7 dBi n26: -3.8 dBi n66: -2.5 dBi n70: -2.5 dBi n14: -4.0 dBi <Ant. 1> n7: -2.7 dBi n41: -2.6 dBi n77/n78: -4.6 dBi n30: -2.6 dBi <Ant. 2> n41: -5.0 dBi n77/n78 : -5.8 dBi <Ant. 4> n2: -3.2 dBi n5: -4.8 dBi



	n25: -3.2 dBi n26: -4.8 dBi n66: -3.8 dBi n70: -3.8 dBi n12: -5.2 dBi n41: -3.0 dBi n71: -5.5 dBi n14: -5.0 dBi <Ant. 7>: n41: -4.0 dBi <Ant. 5>: n77/n78: -3.3 dBi <Ant. 8>: n77/n78: -5.2 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

1.5 Modification of EUT

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

1.6 Maximum ERP/EIRP or Conducted Power

5G NR n2		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
40	1870.0 ~ 1890.0	0.0948

5G NR n25		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
40	1870.0 ~ 1895.0	0.0964

5G NR n5		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)
20	834.0 ~ 839.0	0.0465

5G NR n26(22H)		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)
20	834.0 ~ 839.0	0.0466



5G NR n26(90S)		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)
20	824	0.1837

5G NR n66		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
45	1732.5 ~ 1757.5	0.1052

5G NR n70		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
15	1702.5	0.1005

5G NR n7		PI/2 BPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
50	2525.0 ~ 2545.0	0.0944

5G NR n12		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)
15	706.5 ~ 708.5	0.0425

5G NR n14		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)
10	793	0.0443

5G NR n30		PI/2 BPSK
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)
10	2310.0	0.0975

5G NR n41		PI/2 BPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
100	2546.01 ~ 2640.00	0.2213



5G NR n71		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)
35	680.5	0.0388

5G NR n77(270)		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
100	3750.00 ~ 3930.00	0.1875

5G NR n78(270)		PI/2 BPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
100	3750.00 ~ 3750.00	0.1828

5G NR n77(27Q)		PI/2 BPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
100	3500.01	0.1811

5G NR n78(27Q)		PI/2 BPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
100	3500.01	0.1803

1.7 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 TH01-SZ	CN1256	421272



1.8 Test Software

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

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, 90
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- FCC KDB 971168 D02 Misc Rev Approv License Devices v02r01

Remark:

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

1.10 Specification of Accessory

Accessories Information				
AC Adapter 1	Brand Name	Motorola(AOHAI)	Model Name	MC-201L
AC Adapter 2	Brand Name	Motorola(Salcomp)	Model Name	MC-201L
USB Cable 1	Brand Name	Motorola(WASHIN)	Model Name	HX-TL-04
USB Cable 2	Brand Name	Motorola(SAIBAO)	Model Name	STN-A131A
USB Cable 3	Brand Name	Motorola(WASHIN)	Model Name	HX-TL-07
USB Cable 4	Brand Name	Motorola(SAIBAO)	Model Name	STN-A132A
Battery 1	Brand Name	Motorola(ATL)	Model Name	RL52
Battery 2	Brand Name	Motorola(Sunwoda)	Model Name	RL52



2 Test Configuration of Equipment Under Test

2.1 Test Mode

n2/n5/n14/n25/n26/n30/n66/n70:

Test Items	5G NR	Bandwidth (MHz)										Modulation				RB #		Test Channel				
		5	10	15	20	25	30	35	40	45	50	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H	
Max. Output Power	n2								v	-	-			v					v	v		
	n5				v	-	-	-	-	-	-			v					v			
	n14		v	-	-	-	-	-	-	-	-			v								v
	n25									v	-	-			v				v			v
	n26				v	-	-	-	-	-	-			v					v		v	
	n30		v	-	-	-	-	-	-	-	-		v									v
	n66										v	-			v				v			v
	n70			v	-	-	-	-	-	-	-				v					v		v
E.R.P / E.I.R.P	n2								v	-	-			v					v	v		
	n5				v	-	-	-	-	-	-			v					v			v
	n14		v	-	-	-	-	-	-	-	-			v								v
	n25									v	-	-			v				v			v
	n26				v	-	-	-	-	-	-			v					v		v	
	n30		v	-	-	-	-	-	-	-	-		v									v
	n66										v	-			v				v			v
	n70			v	-	-	-	-	-	-	-				v					v		v
Note	1. The mark "v" means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported.																					

n7/n12/n41/n71:

Test Items	5G NR	Bandwidth (MHz)														Modulation				RB #		Test Channel				
		5	10	15	20	25	30	35	40	45	50	60	70	80	90	100	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	Full	L	M	H
Max. Output Power	n7	v								-	v	-	-	-	-	-	v					v				v
	n12			v	-	-	-	-	-	-	-	-	-	-	-	-		v				v			v	
	n41	-														v	v					v			v	
	n71								v	-	-	-	-	-	-	-		v				v				v
E.R.P / E.I.R.P	n7	v								-	v	-	-	-	-	-	v					v				v
	n12			v	-	-	-	-	-	-	-	-	-	-	-	-		v				v			v	
	n41	-														v	v					v			v	
	n71								v	-	-	-	-	-	-	-		v				v				v
Note	1. The mark "v" means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported.																									



n77/n78 270/27Q:

Test Items	5G NR	Bandwidth (MHz)										Modulation					RB #		Test Channel			
		10	15	20	25	30	40	50	60	70~90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256 QAM	1	Full	L	M	H	
Max. Output Power	n77										v	v	v				v				v	v
	n78										v	v					v				v	
E.I.R.P	n77										v	v	v				v				v	v
	n78										v	v					v				v	

2.2 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 n12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	141300	141500	141700
	Frequency	706.5	707.5	708.5
10	Channel	140800	141500	142200
	Frequency	704	707.5	711
5	Channel	140300	141500	142700
	Frequency	701.5	707.5	713.5

5G NR n14 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23330	-
	Frequency	-	793	-
5	Channel	23305	23330	23355
	Frequency	790.5	793	795.5

5G NR n25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	374000	376500	379000
	Frequency	1870	1882.5	1895
35	Channel	373500	376500	379500
	Frequency	1867.5	1882.5	1897.5
30	Channel	373000	376500	380000
	Frequency	1865	1882.5	1900
25	Channel	372500	376500	380500
	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 n26 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 n30 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	462000	-
	Frequency	-	2310	-
5	Channel	461500	462000	462500
	Frequency	2307.5	2310	2312.5

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	2677.5
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 n70 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	340500		
	Frequency	1702.5		
10	Channel	340000	340500	341000
	Frequency	1700	1702.5	1705
5	Channel	399500	340500	341500
	Frequency	1697.5	1702.5	1707.5

5G NR n26 Channel and Frequency List(90S)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	163800	-
	Frequency	-	819	-
5	Channel	163300	163800	164300
	Frequency	816.5	819	821.5

5G NR n26 Cross-rule Channel and Frequency List (90S)				
BW [MHz]	Channel/Frequency(MHz)	-	Middle	-
20	Channel	-	164800	-
	Frequency	-	824	-
15	Channel	-	164300	-
	Frequency	-	821.5	-



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 Channel and Frequency List (270)				
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 Channel and Frequency List(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 Channel and Frequency List (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

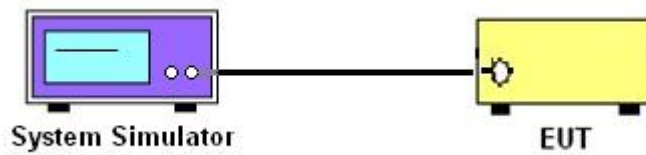
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

3.2.1 Conducted Output Power



3.3 Test Result of Conducted Test

Please refer to Appendix A.



3.4 Conducted Output Power and ERP/EIRP

3.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for 5G NR n5, n26.

The ERP of mobile transmitters must not exceed 3 Watts for 5G NR n12, n71, n14.

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n2, n25, n7, n41.

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n66, n70.

The EIRP of mobile transmitters must not exceed 250mW/5MHz for 5G NR n30.

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n77, n78.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Radio communication analyzer	Anritsu	MT8000A	6261844768	5G	Oct. 16, 2024	Jun. 25, 2025	Oct. 15, 2025	Conducted (TH01-SZ)



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 Conducted Measurement

Test Item	Uncertainty
Conducted Power	± 1.34 dB

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



Appendix A. Test Results of Conducted Test

Test Engineer :	Khan Zheng	Temperature :	22~23°C
		Relative Humidity :	40~42%

Transmitter Conducted Output Power And ERP/EIRP

n2, gain=-2.7dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	EIRP	EIRP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
2	15	40	374000	1870	DFT-s-OFDM QPSK	108@54	22.47	19.77	0.0948

n25, gain=-2.7dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	EIRP	EIRP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
25	15	40	379000	1895	DFT-s-OFDM QPSK	1@1	22.54	19.84	0.0964

n5, gain=-3.8dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	ERP	ERP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	22.62	16.67	0.0465

n26 (22H), gain=-3.8dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	ERP	ERP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
26	15	20	166800	834	DFT-s-OFDM QPSK	1@1	22.63	16.68	0.0466

n26 (90S):

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	Conducted Power (W)	
Band	(kHz)	(MHz)		(MHz)				(W)	
26	15	20	164800	824	DFT-s-OFDM QPSK	1@104	22.64	0.1837	

n66, gain=-2.5dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	EIRP	EIRP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
66	15	45	349000	1745	DFT-s-OFDM QPSK	1@240	22.72	20.22	0.1052



n70, gain=-2.5dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	EIRP	EIRP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	36@18	22.52	20.02	0.1005

n7, gain=-2.7dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	EIRP	EIRP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
7	15	50	509000	2545	DFT-s-OFDM PI/2 BPSK	1@268	22.45	19.75	0.0944

n12, gain=-4.2dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	ERP	ERP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@1	22.63	16.28	0.0425

n14, gain=-4dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	ERP	ERP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
14	15	10	158600	793	DFT-s-OFDM QPSK	1@1	22.61	16.46	0.0443

n30, gain=-2.6dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	ERP	ERP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
30	15	10	462000	2310	DFT-s-OFDM PI/2 BPSK	1@50	22.49	19.89	0.0975

n41, gain=-2.6dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	EIRP	EIRP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	1@1	26.05	23.45	0.2213

n71, gain=-4.5dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	ERP	ERP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
71	15	35	136100	680.5	DFT-s-OFDM QPSK	1@186	22.54	15.89	0.0388



n77 (27O), gain=-3.3dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	EIRP	EIRP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@1	26.03	22.73	0.1875

n78 (27O), gain=-3.3dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	EIRP	EIRP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.92	22.62	0.1828

n77 (27Q), gain=-3.3dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	EIRP	EIRP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.88	22.58	0.1811

n78 (27Q), gain=-3.3dB:

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	EIRP	EIRP
Band	(kHz)	(MHz)		(MHz)				(dBm)	(W)
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.86	22.56	0.1803