

FCC RF Test Report

APPLICANT : Ericsson Enterprise Wireless Solutions, Inc.
EQUIPMENT : 5G Sub-6 GHz LGA Module
BRAND NAME : Ericsson
MODEL NAME : RG650V-NA
FCC ID : UXX-2024RG650VNA
STANDARD : 47 CFR Part 27 Subpart Q
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Dec. 23, 2024 ~ Jan. 24, 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)

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People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG4D0656N	Rev. 01	Initial issue of report	Feb. 17, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	—	PASS	-
3.5	§27.50 (k)(3)	EIRP	EIRP < 1W (30dBm)		-
4.4	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission	-13dBm/MHz	PASS	Under limit 10.60 dB at 4611.00 MHz

Remark : This report by changing module trace design and adding Antenna.

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

Ericsson Enterprise Wireless Solutions, Inc.
1100 W. Idaho St. Boise, ID 83702

1.2 Manufacturer

Ericsson Enterprise Wireless Solutions, Inc.
1100 W. Idaho St. Boise, ID 83702

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	5G Sub-6 GHz LGA Module
Brand Name	Ericsson
Model Name	RG650V-NA
FCC ID	UXX-2024RG650VNA
IMEI Code	Conducted: 357214899990622 Radiation: 866838070003881
HW Version	RG650V-NA
SW Version	RG650VNA01AAR01A04G8G
EUT Stage	Production Unit

1.4 Product Specification of Equipment Under Test

Product Feature	
Tx/Rx Frequency	5G NR n77: 3450 MHz ~ 3550 MHz 5G NR n78: 3450 MHz ~ 3550 MHz
SCS	30kHz
Bandwidth	n77/n78: 10 / 15 / 20 / 25 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100MHz
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

	Support Band	Ant. Type	Max. Antenna Gain (dBi)		Operating mode
			Ant.1	Ant.7	
Support Band	n77	Dipole	3.48	-	SISO
	n78	Dipole	3.48	-	SISO
Transmit/Receive	/	/	TX/RX	TX/RX	/

	Support Band	Ant. Type	Max. Antenna Gain (dBi)		Operating mode	Total TX ant.	Measured Ant.	MIMO Gain (dBi)
			Ant.1	Ant.7				
Support Band	n77	Dipole	3.48	3.48	MIMO	2	Ant.1&7	3.48
	n78	Dipole	3.48	3.48	MIMO	2	Ant.1&7	3.48
Transmit/Receive	/	/	TX/RX	TX/RX	/	/	TX/RX	TX/RX

Remark:

1. ENDC combinations only test RSE, only the worse modes are shown in the report.
2. 5G NR n77/n78 supports UL MIMO mode, the MIMO mode is completely uncorrelated, so the directional gain is selected the maximum gain among all antennas.
3. The EN-DC mode combination could be referred to the product spec.
4. 5G NR n77/n78 Single Carrier and UL MIMO mode supports PC2.

1.5 Modification of EUT

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

1.6 Maximum Conducted power

5G NR n77		PI/2 BPSK / QPSK	16QAM / 64QAM / 256QAM
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Maximum Conducted power (W)
10	3455.01 ~ 3544.98	0.2286	0.2193
15	3457.50 ~ 3542.49	0.2312	0.2128
20	3460.02 ~ 3540.00	0.2291	0.2193
25	3462.51 ~ 3537.48	0.2355	0.2193
30	3465.00 ~ 3534.99	0.2333	0.2265
40	3470.01 ~ 3529.98	0.2244	0.2158
50	3475.02 ~ 3525.00	0.2350	0.2218
60	3480.00 ~ 3519.99	0.2265	0.2188
70	3485.01 ~ 3514.98	0.2296	0.2296
80	3490.02 ~ 3510.00	0.2399	0.2296
90	3495.00 ~ 3504.99	0.2421	0.2360
100	3500.01	0.2427	0.2333

5G NR n77 UL MIMO		PI/2 BPSK / QPSK	16QAM / 64QAM / 256QAM
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Maximum Conducted power (W)
10	3455.01 ~ 3544.98	0.2661	0.2685
15	3457.50 ~ 3542.49	0.2692	0.2649
20	3460.02 ~ 3540.00	0.2630	0.2685
25	3462.51 ~ 3537.48	0.2780	0.2793
30	3465.00 ~ 3534.99	0.2754	0.2710
40	3470.01 ~ 3529.98	0.2685	0.2655
50	3475.02 ~ 3525.00	0.2793	0.2780
60	3480.00 ~ 3519.99	0.2698	0.2735
70	3485.01 ~ 3514.98	0.2780	0.2851
80	3490.02 ~ 3510.00	0.2871	0.2877
90	3495.00 ~ 3504.99	0.2965	0.2864
100	3500.01	0.2965	0.2951

5G NR n78		PI/2 BPSK / QPSK	16QAM / 64QAM / 256QAM
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Maximum Conducted power (W)
10	3455.01 ~ 3544.98	0.2153	0.2178
15	3457.50 ~ 3542.49	0.2193	0.2158
20	3460.02 ~ 3540.00	0.2168	0.2178
25	3462.51 ~ 3537.48	0.2223	0.2228
30	3465.00 ~ 3534.99	0.2259	0.2234
40	3470.01 ~ 3529.98	0.2168	0.2178
50	3475.02 ~ 3525.00	0.2265	0.2249
60	3480.00 ~ 3519.99	0.2193	0.2178
70	3485.01 ~ 3514.98	0.2228	0.2265
80	3490.02 ~ 3510.00	0.2317	0.2239
90	3495.00 ~ 3504.99	0.2339	0.2377
100	3500.01	0.2382	0.2339

5G NR n78 UL MIMO		PI/2 BPSK / QPSK	16QAM / 64QAM / 256QAM
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Maximum Conducted power (W)
10	3455.01 ~ 3544.98	0.2642	0.2529
15	3457.50 ~ 3542.49	0.2667	0.2642
20	3460.02 ~ 3540.00	0.2667	0.2630
25	3462.51 ~ 3537.48	0.2761	0.2897
30	3465.00 ~ 3534.99	0.2773	0.2793
40	3470.01 ~ 3529.98	0.2679	0.2649
50	3475.02 ~ 3525.00	0.2780	0.2838
60	3480.00 ~ 3519.99	0.2723	0.2735
70	3485.01 ~ 3514.98	0.2704	0.2742
80	3490.02 ~ 3510.00	0.2838	0.2864
90	3495.00 ~ 3504.99	0.2844	0.2884
100	3500.01	0.2884	0.2924

Note: All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Site

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	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ	CN1256	421272

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

1.8 Test Software

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

1.9 Applied Standards

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

- 47 CFR Part 27 Subpart Q
- ANSI C63.26-2015
- FCC KDB 971168 Power Meas License Digital Systems D01 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.

2 Test Configuration of Equipment Under Test

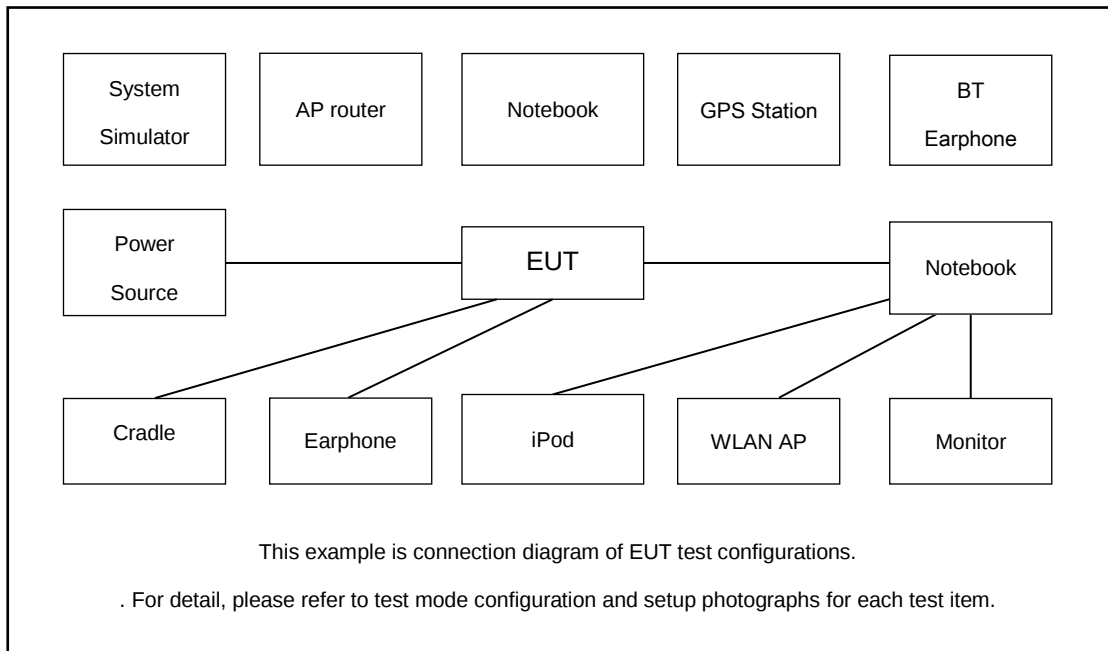
2.1 Test Mode

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.

Test Cases	Band	Bandwidth (MHz)	Modulation	RB #	Test Channel
		eg. 5M, 10M, 15M, 20M	eg. PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L/M/H
Max. Output Power	5G n77	10M, 15M, 20M, 25M, 30M, 40M, 50M, 60M, 70M, 80M, 90M ,100M	PI/2 BPSK, QPSK, 16QAM	1RB	L, M, H
	5G n78	10M, 15M, 20M, 25M, 30M, 40M, 50M, 60M, 70M, 80M, 90M ,100M	PI/2 BPSK, QPSK, 16QAM	1RB	L, M, H
E.I.R.P	5G n77	10M, 15M, 20M, 25M, 30M, 40M, 50M, 60M, 70M, 80M, 90M ,100M	PI/2 BPSK, QPSK, 16QAM	1RB	L, M, H
	5G n78	10M, 15M, 20M, 25M, 30M, 40M, 50M, 60M, 70M, 80M, 90M ,100M	PI/2 BPSK, QPSK, 16QAM	1RB	L, M, H
Radiated Spurious Emission	5G n77	Worst case			L, M, H
	5G n78	Worst case			L, M, H
Note: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



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Base Station	Anritsu	MT8821C	Fcc DoC	N/A	Shielded, 1.5m
2.	Base Station	Anritsu	MT8000A	Fcc DoC	N/A	Shielded, 1.5m

2.4 Frequency List of Low/Middle/High Channels

5G n77/n78 Channel and Frequency List				
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

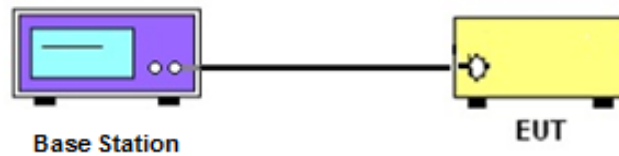
3 Conducted Test Items

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 Measurement

3.4.1 Description of the Conducted Output Power Measurement

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

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.

3.5 EIRP

3.5.1 Description of EIRP Limit

§ 27.50 (k)(3)

Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications

3.5.2 Test Procedures

1. According to KDB 412172 D01 Power Approach,
2. $EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, 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

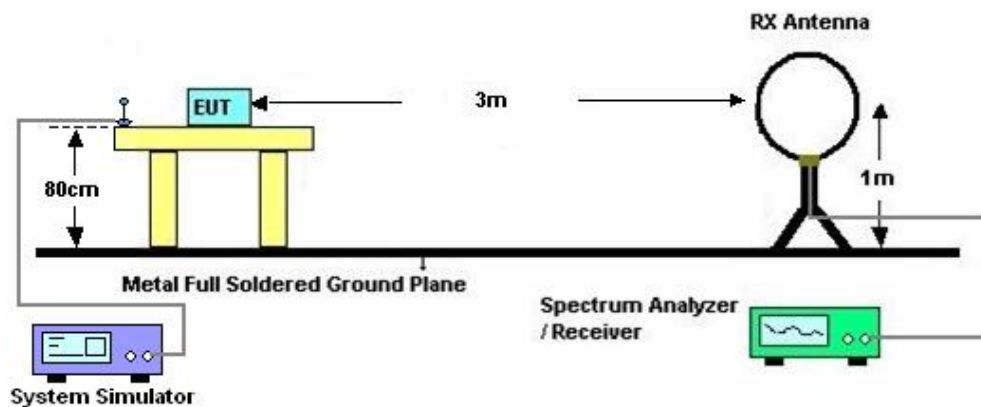
4 Radiated Test Items

4.1 Measuring Instruments

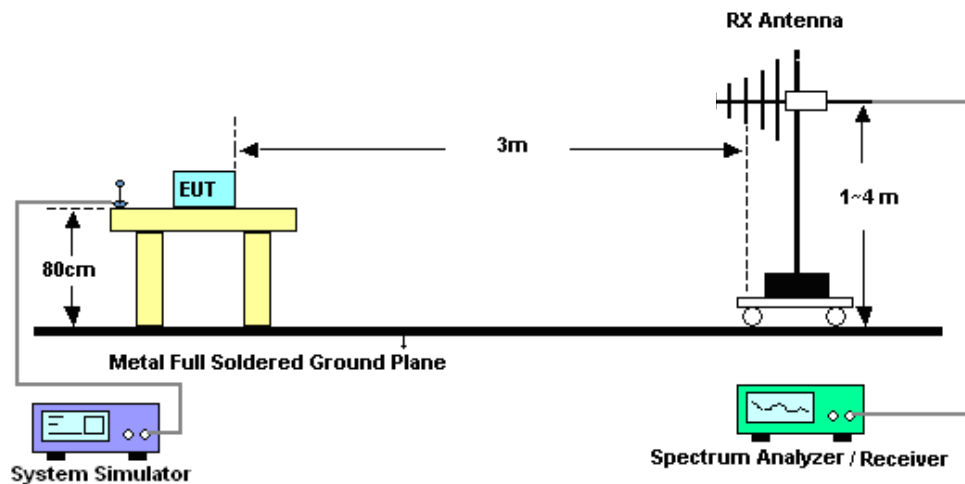
See list of measuring instruments of this test report.

4.2 Test Setup

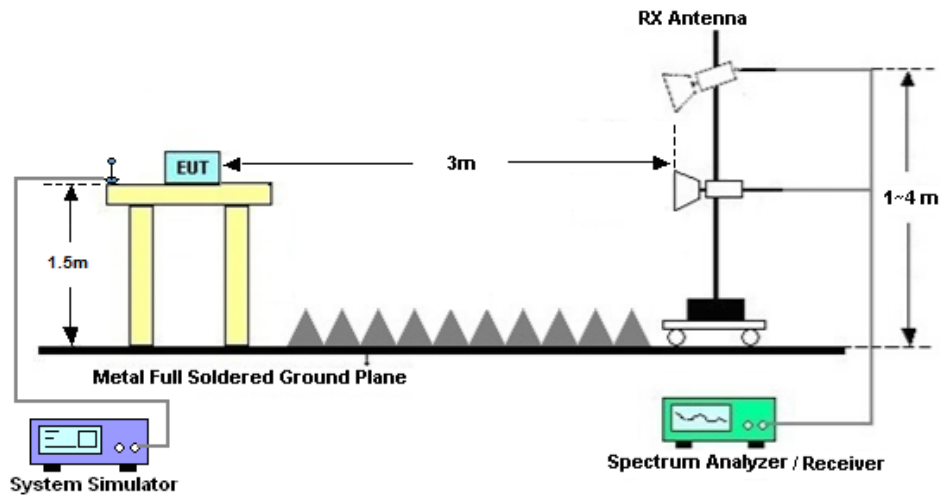
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 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 B.

4.4 Radiated Spurious Emission Measurement

4.4.1 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 shall not exceed -13 dBm/MHz.

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

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
1. 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.
2. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
$$\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$$
$$\text{ERP (dBm)} = \text{EIRP} - 2.15$$
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 09, 2024	Jan. 24, 2025	Apr. 08, 2025	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V , 3A	Oct. 14, 2024	Jan. 24, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
Power Divider	Titan	P02N005180	923402	0.4GHz~26.5GHz	Nov. 08, 2024	Jan. 24, 2025	Nov. 07, 2025	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	Dec. 23, 2024	Jul. 02, 2025	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 29, 2023	Dec. 23, 2024	Dec. 28, 2024	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Dec. 23, 2024	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2024	Dec. 23, 2024	Jul. 04, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	Dec. 23, 2024	Jul. 03, 2025	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 09, 2024	Dec. 23, 2024	Apr. 08, 2025	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 18, 2024	Dec. 23, 2024	Oct. 17, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	Dec. 23, 2024	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	Dec. 23, 2024	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Dec. 23, 2024	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Dec. 23, 2024	NCR	Radiation (03CH02-SZ)

NCR: No Calibration Required

6 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

Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	2.47 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.72 dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

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

Conducted Output Power(Average power) and EIRP

5G NR n77

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
77	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	23.52	27	0.5012
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	23.59	27.07	0.5093
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	23.41	26.89	0.4887
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.41	26.89	0.4887
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.46	26.94	0.4943
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.31	26.79	0.4775
77	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@1	23.22	26.7	0.4677
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	23.17	26.65	0.4624
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	23.21	26.69	0.4667
77	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	23.64	27.12	0.5152
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	23.55	27.03	0.5047
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	23.28	26.76	0.4742
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.47	26.95	0.4955
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.42	26.9	0.4898
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.23	26.71	0.4688
77	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	23.39	26.87	0.4864
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	23.3	26.78	0.4764
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	23.15	26.63	0.4603
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	23.57	27.05	0.5070
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	23.6	27.08	0.5105
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	23.41	26.89	0.4887
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.44	26.92	0.4920
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.42	26.9	0.4898
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.25	26.73	0.4710
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	23.31	26.79	0.4775
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	23.34	26.82	0.4808
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	23.13	26.61	0.4581
77	30	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@1	23.62	27.1	0.5129
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	23.72	27.2	0.5248
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	23.41	26.89	0.4887
77	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.5	26.98	0.4989
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.54	27.02	0.5035
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.36	26.84	0.4831



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
77	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	1@1	23.39	26.87	0.4864
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	23.35	26.83	0.4819
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	23.37	26.85	0.4842
77	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	23.62	27.1	0.5129
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	23.64	27.12	0.5152
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	23.55	27.03	0.5047
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.54	27.02	0.5035
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.68	27.16	0.5200
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.51	26.99	0.5000
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	23.39	26.87	0.4864
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	23.38	26.86	0.4853
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	23.46	26.94	0.4943
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	23.51	26.99	0.5000
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	23.51	26.99	0.5000
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	23.29	26.77	0.4753
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.5	26.98	0.4989
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.41	26.89	0.4887
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.34	26.82	0.4808
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	23.28	26.76	0.4742
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	23.24	26.72	0.4699
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	23.04	26.52	0.4487
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	23.67	27.15	0.5188
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	23.71	27.19	0.5236
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	23.45	26.93	0.4932
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.66	27.14	0.5176
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.66	27.14	0.5176
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.46	26.94	0.4943
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	23.58	27.06	0.5082
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	23.53	27.01	0.5023
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	23.41	26.89	0.4887
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	23.55	27.03	0.5047
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	23.5	26.98	0.4989
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	23.4	26.88	0.4875
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.49	26.97	0.4977
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.54	27.02	0.5035
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.33	26.81	0.4797
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	23.3	26.78	0.4764
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	23.39	26.87	0.4864
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	23.34	26.82	0.4808
77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	23.59	27.07	0.5093
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	23.61	27.09	0.5117
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	23.61	27.09	0.5117



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.57	27.05	0.5070
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.59	27.07	0.5093
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.59	27.07	0.5093
77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	23.56	27.04	0.5058
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	23.59	27.07	0.5093
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	23.55	27.03	0.5047
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	23.8	27.28	0.5346
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	23.76	27.24	0.5297
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	23.57	27.05	0.5070
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.73	27.21	0.5260
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.72	27.2	0.5248
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.48	26.96	0.4966
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	23.8	27.28	0.5346
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	23.76	27.24	0.5297
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	23.61	27.09	0.5117
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	23.84	27.32	0.5395
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	23.83	27.31	0.5383
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	23.73	27.21	0.5260
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.77	27.25	0.5309
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.72	27.2	0.5248
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.64	27.12	0.5152
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	23.78	27.26	0.5321
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	23.84	27.32	0.5395
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	23.63	27.11	0.5140
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.85	27.33	0.5408
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.81	27.29	0.5358
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.68	27.16	0.5200

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NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	ANT1 Power(dBm)	ANT7 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	20.91	21.53	24.24	27.72	0.5916
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	20.89	21.57	24.25	27.73	0.5929
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	20.78	21.72	24.29	27.77	0.5984
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.82	21.23	24.04	27.52	0.5649
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.76	21.07	23.93	27.41	0.5508
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.91	21.11	24.02	27.5	0.5623
77	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@1	20.65	21	23.84	27.32	0.5395
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	20.63	20.96	23.81	27.29	0.5358
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	20.64	20.95	23.81	27.29	0.5358
77	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	20.9	21.65	24.30	27.78	0.5998
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	20.79	21.57	24.21	27.69	0.5875
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	20.82	21.59	24.23	27.71	0.5902
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.83	21.23	24.04	27.52	0.5649
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.62	21.1	23.88	27.36	0.5445
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.62	21.07	23.86	27.34	0.5420
77	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	20.68	21.03	23.87	27.35	0.5433
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	20.63	20.9	23.78	27.26	0.5321
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	20.73	21.12	23.94	27.42	0.5521
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	20.86	21.58	24.25	27.73	0.5929
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	20.83	21.52	24.20	27.68	0.5861
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	20.94	21.6	24.29	27.77	0.5984
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.77	21.15	23.97	27.45	0.5559
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.7	21.11	23.92	27.4	0.5495
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.71	21.09	23.91	27.39	0.5483
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	20.69	20.98	23.85	27.33	0.5408
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	20.65	20.91	23.79	27.27	0.5333
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	20.57	21.1	23.85	27.33	0.5408
77	30	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@1	21.02	21.8	24.44	27.92	0.6194
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	20.93	21.66	24.32	27.8	0.6026
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	21.07	21.8	24.46	27.94	0.6223
77	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.88	21.27	24.09	27.57	0.5715
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.76	21.26	24.03	27.51	0.5636
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.72	21.39	24.08	27.56	0.5702
77	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	1@1	20.83	21.17	24.01	27.49	0.5610
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	20.82	21.13	23.99	27.47	0.5585
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	20.72	21.14	23.95	27.43	0.5534
77	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	20.95	21.79	24.40	27.88	0.6138
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	21	21.72	24.39	27.87	0.6124
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	20.93	21.68	24.33	27.81	0.6039
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.94	21.29	24.13	27.61	0.5768
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.82	21.25	24.05	27.53	0.5662



NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	ANT1 Power(dBm)	ANT7 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.94	21.37	24.17	27.65	0.5821
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	20.77	21.2	24.00	27.48	0.5598
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	20.66	21.13	23.91	27.39	0.5483
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	20.7	21.16	23.95	27.43	0.5534
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	20.86	21.66	24.29	27.77	0.5984
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	20.81	21.57	24.22	27.7	0.5888
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	20.81	21.62	24.24	27.72	0.5916
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.84	21.36	24.12	27.6	0.5754
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.77	21.13	23.96	27.44	0.5546
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.82	21.32	24.09	27.57	0.5715
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	20.7	21.21	23.97	27.45	0.5559
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	20.58	21.23	23.93	27.41	0.5508
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	20.66	21.27	23.99	27.47	0.5585
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	21	21.85	24.46	27.94	0.6223
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	21.03	21.74	24.41	27.89	0.6152
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	21.05	21.77	24.44	27.92	0.6194
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	21.06	21.69	24.40	27.88	0.6138
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.97	21.35	24.17	27.65	0.5821
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.06	21.63	24.36	27.84	0.6081
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	20.97	21.41	24.21	27.69	0.5875
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	20.78	21.4	24.11	27.59	0.5741
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	20.87	21.32	24.11	27.59	0.5741
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	20.88	21.68	24.31	27.79	0.6012
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	20.82	21.74	24.31	27.79	0.6012
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	20.99	21.7	24.37	27.85	0.6095
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.88	21.63	24.28	27.76	0.5970
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.86	21.46	24.18	27.66	0.5834
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.87	21.27	24.08	27.56	0.5702
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	20.79	21.34	24.08	27.56	0.5702
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	20.68	21.24	23.98	27.46	0.5572
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	20.76	21.35	24.08	27.56	0.5702
77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	21.02	21.8	24.44	27.92	0.6194
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	20.91	21.77	24.37	27.85	0.6095
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	21.15	21.89	24.55	28.03	0.6353
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.96	21.5	24.25	27.73	0.5929
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.89	21.48	24.21	27.69	0.5875
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.2	21.77	24.50	27.98	0.6281
77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	20.93	21.45	24.21	27.69	0.5875
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	20.89	21.4	24.16	27.64	0.5808
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	20.83	21.51	24.19	27.67	0.5848
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	21.16	21.95	24.58	28.06	0.6397
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	21.07	21.87	24.50	27.98	0.6281



NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	ANT1 Power(dBm)	ANT7 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	21.17	21.96	24.59	28.07	0.6412
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	21.07	21.87	24.50	27.98	0.6281
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	21.1	21.63	24.38	27.86	0.6109
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.04	21.78	24.44	27.92	0.6194
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	21.16	21.7	24.45	27.93	0.6209
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	21.04	21.7	24.39	27.87	0.6124
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	20.97	21.76	24.39	27.87	0.6124
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	21.31	22.07	24.72	28.2	0.6607
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	21.17	21.87	24.54	28.02	0.6339
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	21.05	22.02	24.57	28.05	0.6383
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	21.18	22.07	24.66	28.14	0.6516
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	21.04	21.91	24.51	27.99	0.6295
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21	21.91	24.49	27.97	0.6266
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	21.21	21.88	24.57	28.05	0.6383
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	21.07	21.9	24.52	28	0.6310
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	21.04	21.83	24.46	27.94	0.6223
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	21.17	22.19	24.72	28.2	0.6607
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	21.13	21.95	24.57	28.05	0.6383
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.15	22.17	24.70	28.18	0.6577

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NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	23.33	26.81	0.4797
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	23.29	26.77	0.4753
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	23.38	26.86	0.4853
78	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.31	26.79	0.4775
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.19	26.67	0.4645
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.15	26.63	0.4603
78	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@1	23.08	26.56	0.4529
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	23.16	26.64	0.4613
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	23.13	26.61	0.4581
78	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	23.41	26.89	0.4887
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	23.36	26.84	0.4831
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	23.34	26.82	0.4808
78	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.25	26.73	0.4710
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.16	26.64	0.4613
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.14	26.62	0.4592
78	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	23.01	26.49	0.4457
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	23.06	26.54	0.4508
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	23.16	26.64	0.4613
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	23.36	26.84	0.4831
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	23.36	26.84	0.4831



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	23.38	26.86	0.4853
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.21	26.69	0.4667
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.2	26.68	0.4656
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.3	26.78	0.4764
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	23.08	26.56	0.4529
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	23.14	26.62	0.4592
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	23.07	26.55	0.4519
78	30	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@1	23.47	26.95	0.4955
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	23.41	26.89	0.4887
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	23.48	26.96	0.4966
78	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.35	26.83	0.4819
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.24	26.72	0.4699
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.36	26.84	0.4831
78	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	1@1	23.11	26.59	0.4560
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	23.09	26.57	0.4539
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	23.21	26.69	0.4667
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	23.54	27.02	0.5035
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	23.48	26.96	0.4966
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	23.49	26.97	0.4977
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.38	26.86	0.4853
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.37	26.85	0.4842
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.39	26.87	0.4864
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	23.22	26.7	0.4677
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	23.25	26.73	0.4710
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	23.17	26.65	0.4624
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	23.35	26.83	0.4819
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	23.36	26.84	0.4831
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	23.38	26.86	0.4853
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.3	26.78	0.4764
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.32	26.8	0.4786
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.27	26.75	0.4732
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	23.01	26.49	0.4457
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	22.99	26.47	0.4436
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	23.12	26.6	0.4571
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	23.52	27	0.5012
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	23.51	26.99	0.5000
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	23.52	27	0.5012
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.55	27.03	0.5047
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.49	26.97	0.4977
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.48	26.96	0.4966
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	23.33	26.81	0.4797
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	23.29	26.77	0.4753



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	23.37	26.85	0.4842
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	23.41	26.89	0.4887
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	23.38	26.86	0.4853
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	23.36	26.84	0.4831
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.34	26.82	0.4808
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.33	26.81	0.4797
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.38	26.86	0.4853
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	23.26	26.74	0.4721
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	23.22	26.7	0.4677
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	23.32	26.8	0.4786
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	23.48	26.96	0.4966
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	23.48	26.96	0.4966
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	23.55	27.03	0.5047
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.43	26.91	0.4909
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.39	26.87	0.4864
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.52	27	0.5012
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	23.4	26.88	0.4875
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	23.37	26.85	0.4842
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	23.52	27	0.5012
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	23.65	27.13	0.5164
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	23.63	27.11	0.5140
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	23.47	26.95	0.4955
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.56	27.04	0.5058
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.53	27.01	0.5023
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.47	26.95	0.4955
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	23.61	27.09	0.5117
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	23.49	26.97	0.4977
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	23.5	26.98	0.4989
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	23.62	27.1	0.5129
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	23.57	27.05	0.5070
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	23.6	27.08	0.5105
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.62	27.1	0.5129
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.6	27.08	0.5105
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.76	27.24	0.5297
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	23.69	27.17	0.5212
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	23.66	27.14	0.5176
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	23.67	27.15	0.5188
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.77	27.25	0.5309
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.6	27.08	0.5105
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.69	27.17	0.5212



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NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	ANT1 Power(dBm)	ANT7 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	20.88	21.45	24.18	27.66	0.5834
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	20.87	21.53	24.22	27.7	0.5888
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	20.68	21.33	24.03	27.51	0.5636
78	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.74	21.1	23.93	27.41	0.5508
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.74	21.07	23.92	27.4	0.5495
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.72	21.1	23.92	27.4	0.5495
78	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@1	20.65	20.93	23.80	27.28	0.5346
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	20.55	20.89	23.73	27.21	0.5260
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	20.62	21.05	23.85	27.33	0.5408
78	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	20.88	21.59	24.26	27.74	0.5943
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	20.81	21.5	24.18	27.66	0.5834
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	20.82	21.56	24.22	27.7	0.5888
78	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.69	21.13	23.93	27.41	0.5508
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.67	21.1	23.90	27.38	0.5470
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.69	21.11	23.92	27.4	0.5495
78	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	20.68	21	23.85	27.33	0.5408
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	20.48	20.9	23.71	27.19	0.5236
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	20.59	21.06	23.84	27.32	0.5395
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	20.8	21.65	24.26	27.74	0.5943
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	20.73	21.57	24.18	27.66	0.5834
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	20.81	21.54	24.20	27.68	0.5861
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.63	21.17	23.92	27.4	0.5495
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.68	21.06	23.88	27.36	0.5445
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.68	21.21	23.96	27.44	0.5546
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	20.67	20.99	23.84	27.32	0.5395
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	20.5	20.98	23.76	27.24	0.5297
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	20.46	21	23.75	27.23	0.5284
78	30	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@1	21.02	21.75	24.41	27.89	0.6152
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	20.93	21.67	24.33	27.81	0.6039
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	21.27	21.93	24.62	28.1	0.6457
78	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.82	21.24	24.05	27.53	0.5662
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.8	21.23	24.03	27.51	0.5636
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.84	21.31	24.09	27.57	0.5715
78	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	1@1	20.73	21.14	23.95	27.43	0.5534
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	20.63	21.02	23.84	27.32	0.5395
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	20.72	21.19	23.97	27.45	0.5559
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	20.98	21.81	24.43	27.91	0.6180
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	20.93	21.64	24.31	27.79	0.6012
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	21.06	21.81	24.46	27.94	0.6223
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.85	21.41	24.15	27.63	0.5794
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.84	21.31	24.09	27.57	0.5715



NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	ANT1 Power(dBm)	ANT7 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.83	21.24	24.05	27.53	0.5662
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	20.68	21.13	23.92	27.4	0.5495
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	20.67	21.1	23.90	27.38	0.5470
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	20.71	21.12	23.93	27.41	0.5508
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	20.86	21.65	24.28	27.76	0.5970
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	20.81	21.61	24.24	27.72	0.5916
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	20.74	21.66	24.23	27.71	0.5902
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.79	21.24	24.03	27.51	0.5636
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.73	21.2	23.98	27.46	0.5572
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.81	21.34	24.09	27.57	0.5715
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	20.57	21.15	23.88	27.36	0.5445
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	20.53	20.94	23.75	27.23	0.5284
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	20.6	21.12	23.88	27.36	0.5445
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	20.98	21.84	24.44	27.92	0.6194
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	20.94	21.78	24.39	27.87	0.6124
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	21.17	21.84	24.53	28.01	0.6324
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	21.03	21.53	24.30	27.78	0.5998
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.94	21.43	24.20	27.68	0.5861
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.05	21.51	24.30	27.78	0.5998
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	20.81	21.27	24.06	27.54	0.5675
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	20.77	21.35	24.08	27.56	0.5702
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	20.84	21.26	24.07	27.55	0.5689
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	20.89	21.74	24.35	27.83	0.6067
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	20.81	21.64	24.26	27.74	0.5943
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	20.93	21.75	24.37	27.85	0.6095
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.85	21.41	24.15	27.63	0.5794
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.77	21.37	24.09	27.57	0.5715
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.84	21.34	24.11	27.59	0.5741
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	20.81	21.26	24.05	27.53	0.5662
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	20.66	21.17	23.93	27.41	0.5508
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	20.65	21.08	23.88	27.36	0.5445
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	20.86	21.71	24.32	27.8	0.6026
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	20.83	21.71	24.30	27.78	0.5998
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	20.84	21.78	24.35	27.83	0.6067
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.84	21.59	24.24	27.72	0.5916
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.82	21.59	24.23	27.71	0.5902
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.92	21.77	24.38	27.86	0.6109
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	20.87	21.29	24.10	27.58	0.5728
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	20.81	21.35	24.10	27.58	0.5728
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	20.91	21.28	24.11	27.59	0.5741
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	20.97	22	24.53	28.01	0.6324
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	21.02	21.77	24.42	27.9	0.6166

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	ANT1 Power(dBm)	ANT7 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	21.08	22	24.57	28.05	0.6383
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.93	21.78	24.39	27.87	0.6124
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.94	21.68	24.34	27.82	0.6053
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.11	21.83	24.50	27.98	0.6281
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	21.09	21.68	24.41	27.89	0.6152
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	21.04	21.59	24.33	27.81	0.6039
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	20.9	21.79	24.38	27.86	0.6109
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	21.03	21.98	24.54	28.02	0.6339
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	21.02	21.89	24.49	27.97	0.6266
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	21.12	21.92	24.55	28.03	0.6353
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	21.02	21.94	24.51	27.99	0.6295
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	21.02	21.87	24.48	27.96	0.6252
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.18	21.96	24.60	28.08	0.6427
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	21.02	21.97	24.53	28.01	0.6324
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	21.03	21.74	24.41	27.89	0.6152
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	21.15	21.9	24.55	28.03	0.6353
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	21.06	22.06	24.60	28.08	0.6427
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.93	21.96	24.49	27.97	0.6266
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.21	22.05	24.66	28.14	0.6516

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	PingZhou Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

5G NR n77 SA / NR 20MHz / BPSK / ANT1									
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)
Lowest	6901.64	-60.11	-13	-47.11	-64.83	-63.44	8.25	11.58	H
	10352.46	-56.33	-13	-43.33	-67.96	-57.88	10.45	12.00	H
	13803.28	-52.44	-13	-39.44	-67.75	-54.15	11.74	13.45	H
	6901.64	-59.71	-13	-46.71	-64.91	-63.04	8.25	11.58	V
	10352.46	-57.17	-13	-44.17	-67.93	-58.72	10.45	12.00	V
	13803.28	-53.23	-13	-40.23	-67.88	-54.94	11.74	13.45	V
Middle	6981.62	-60.32	-13	-47.32	-65.66	-63.62	8.30	11.60	H
	10472.43	-56.29	-13	-43.29	-68.16	-57.81	10.48	12.00	H
	13963.24	-51.74	-13	-38.74	-67.27	-53.44	11.80	13.50	H
	6981.62	-59.94	-13	-46.94	-65.74	-63.24	8.30	11.60	V
	10472.43	-57.10	-13	-44.10	-68.36	-58.62	10.48	12.00	V
	13963.24	-52.24	-13	-39.24	-67.38	-53.94	11.80	13.50	V
Highest	7061.60	-59.71	-13	-46.71	-65.36	-63.01	8.32	11.62	H
	10592.40	-56.05	-13	-43.05	-68.34	-57.73	10.52	12.20	H
	14123.20	-50.82	-13	-37.82	-66.91	-52.52	11.85	13.55	H
	7061.60	-59.70	-13	-46.70	-65.77	-63.00	8.32	11.62	V
	10592.40	-56.45	-13	-43.45	-68.25	-58.13	10.52	12.20	V
	14123.20	-51.02	-13	-38.02	-66.71	-52.72	11.85	13.55	V

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

5G NR n77 UL MIMO / NR 20MHz / QPSK / ANT1+7									
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)
Lowest	6901.64	-60.61	-13	-47.61	-65.33	-63.94	8.25	11.58	H
	10352.46	-56.90	-13	-43.90	-68.53	-58.45	10.45	12.00	H
	13803.28	-53.19	-13	-40.19	-68.50	-54.90	11.74	13.45	H
	6901.64	-60.47	-13	-47.47	-65.67	-63.80	8.25	11.58	V
	10352.46	-57.80	-13	-44.80	-68.56	-59.35	10.45	12.00	V
	13803.28	-53.60	-13	-40.60	-68.25	-55.31	11.74	13.45	V
Middle	6981.62	-60.63	-13	-47.63	-65.97	-63.93	8.30	11.60	H
	10472.43	-56.86	-13	-43.86	-68.73	-58.38	10.48	12.00	H
	13963.24	-52.00	-13	-39.00	-67.53	-53.70	11.80	13.50	H
	6981.62	-59.89	-13	-46.89	-65.69	-63.19	8.30	11.60	V
	10472.43	-57.29	-13	-44.29	-68.55	-58.81	10.48	12.00	V
	13963.24	-52.83	-13	-39.83	-67.97	-54.53	11.80	13.50	V
Highest	7061.60	-60.51	-13	-47.51	-66.16	-63.81	8.32	11.62	H
	10592.40	-56.33	-13	-43.33	-68.62	-58.01	10.52	12.20	H
	14123.20	-51.29	-13	-38.29	-67.38	-52.99	11.85	13.55	H
	7061.60	-59.87	-13	-46.87	-65.94	-63.17	8.32	11.62	V
	10592.40	-56.92	-13	-43.92	-68.72	-58.60	10.52	12.20	V
	14123.20	-51.48	-13	-38.48	-67.17	-53.18	11.85	13.55	V

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

EN-DC_30A_n77A / LTE 10MHz + NR 20MHz / LTE QPSK + NR BPSK / ANT7+1									
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	6981.62	-60.56	-13	-47.56	-65.90	-63.86	8.30	11.60	H
	10472.43	-56.70	-13	-43.70	-68.57	-58.22	10.48	12.00	H
	13963.24	-53.92	-13	-40.92	-69.45	-55.62	11.80	13.50	H
	6981.62	-59.65	-13	-46.65	-65.45	-62.95	8.30	11.60	V
	10472.43	-57.40	-13	-44.40	-68.66	-58.92	10.48	12.00	V
	13963.24	-54.19	-13	-41.19	-69.33	-55.89	11.80	13.50	V
LTE Band30 Middle	4611.00	-56.33	-40	-16.33	-55.37	-62.58	6.45	12.70	H
	6916.50	-59.95	-40	-19.95	-64.79	-63.35	8.40	11.80	H
	9222.00	-57.30	-40	-17.30	-68.07	-59.65	9.65	12.00	H
	4611.00	-50.60	-40	-10.60	-50.02	-56.85	6.45	12.70	V
	6916.50	-60.09	-40	-20.09	-65.41	-63.49	8.40	11.80	V
	9222.00	-57.88	-40	-17.88	-67.83	-60.23	9.65	12.00	V

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

5G NR n78 SA / 20MHz / BPSK / ANT1									
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)
Lowest	6901.64	-60.15	-13	-47.15	-64.87	-63.48	8.25	11.58	H
	10352.46	-56.01	-13	-43.01	-67.64	-57.56	10.45	12.00	H
	13803.28	-52.51	-13	-39.51	-67.82	-54.22	11.74	13.45	H
	6901.64	-59.49	-13	-46.49	-64.69	-62.82	8.25	11.58	V
	10352.46	-57.28	-13	-44.28	-68.04	-58.83	10.45	12.00	V
	13803.28	-53.23	-13	-40.23	-67.88	-54.94	11.74	13.45	V
Middle	6981.62	-60.22	-13	-47.22	-65.56	-63.52	8.30	11.60	H
	10472.43	-56.49	-13	-43.49	-68.36	-58.01	10.48	12.00	H
	13963.24	-51.72	-13	-38.72	-67.25	-53.42	11.80	13.50	H
	6981.62	-59.75	-13	-46.75	-65.55	-63.05	8.30	11.60	V
	10472.43	-56.80	-13	-43.80	-68.06	-58.32	10.48	12.00	V
	13963.24	-52.27	-13	-39.27	-67.41	-53.97	11.80	13.50	V
Highest	7061.60	-60.04	-13	-47.04	-65.69	-63.34	8.32	11.62	H
	10592.40	-55.41	-13	-42.41	-67.70	-57.09	10.52	12.20	H
	14123.20	-50.45	-13	-37.45	-66.54	-52.15	11.85	13.55	H
	7061.60	-59.67	-13	-46.67	-65.74	-62.97	8.32	11.62	V
	10592.40	-56.60	-13	-43.60	-68.4	-58.28	10.52	12.20	V
	14123.20	-51.03	-13	-38.03	-66.72	-52.73	11.85	13.55	V

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

5G NR n78 UL MIMO / 20MHz / QPSK / ANT1+7									
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)
Lowest	6901.64	-60.72	-13	-47.72	-65.44	-64.05	8.25	11.58	H
	10352.46	-56.88	-13	-43.88	-68.51	-58.43	10.45	12.00	H
	13803.28	-53.16	-13	-40.16	-68.47	-54.87	11.74	13.45	H
	6901.64	-60.13	-13	-47.13	-65.33	-63.46	8.25	11.58	V
	10352.46	-57.73	-13	-44.73	-68.49	-59.28	10.45	12.00	V
	13803.28	-53.77	-13	-40.77	-68.42	-55.48	11.74	13.45	V
Middle	6981.62	-60.59	-13	-47.59	-65.93	-63.89	8.30	11.60	H
	10472.43	-56.98	-13	-43.98	-68.85	-58.50	10.48	12.00	H
	13963.24	-52.39	-13	-39.39	-67.92	-54.09	11.80	13.50	H
	6981.62	-60.30	-13	-47.30	-66.1	-63.60	8.30	11.60	V
	10472.43	-57.69	-13	-44.69	-68.95	-59.21	10.48	12.00	V
	13963.24	-52.73	-13	-39.73	-67.87	-54.43	11.80	13.50	V
Highest	7061.60	-60.27	-13	-47.27	-65.92	-63.57	8.32	11.62	H
	10592.40	-56.52	-13	-43.52	-68.81	-58.20	10.52	12.20	H
	14123.20	-51.31	-13	-38.31	-67.40	-53.01	11.85	13.55	H
	7061.60	-60.05	-13	-47.05	-66.12	-63.35	8.32	11.62	V
	10592.40	-56.57	-13	-43.57	-68.37	-58.25	10.52	12.20	V
	14123.20	-51.89	-13	-38.89	-67.58	-53.59	11.85	13.55	V

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

EN-DC_7A_n78A / LTE 10MHz + NR 20MHz / LTE QPSK + NR BPSK / ANT7+1									
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 n78 Middle	6981.62	-60.48	-13	-47.48	-65.82	-63.78	8.30	11.60	H
	10472.43	-56.80	-13	-43.80	-68.67	-58.32	10.48	12.00	H
	13963.24	-53.48	-13	-40.48	-69.01	-55.18	11.80	13.50	H
	6981.62	-60.11	-13	-47.11	-65.91	-63.41	8.30	11.60	V
	10472.43	-57.34	-13	-44.34	-68.6	-58.86	10.48	12.00	V
	13963.24	-54.08	-13	-41.08	-69.22	-55.78	11.80	13.50	V
LTE Band7 Middle	5061.00	-57.71	-25	-32.71	-58.07	-63.27	7.14	12.70	H
	7591.50	-59.74	-25	-34.74	-65.64	-63.04	8.30	11.60	H
	10122.00	-56.51	-25	-31.51	-67.68	-58.03	10.48	12.00	H
	5061.00	-51.53	-25	-26.53	-52.03	-57.09	7.14	12.70	V
	7591.50	-59.74	-25	-34.74	-65.59	-63.04	8.30	11.60	V
	10122.00	-58.24	-25	-33.24	-68.04	-59.76	10.48	12.00	V

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