



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 O (3700-3980MHz)
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)

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
FG4D0656M	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	-
	§27.50(j)(3)	Equivalent Isotropic Radiated Power (5G NR n77, n78)	EIRP < 1Watt		
4.4	§2.1053 §27.53(l)(2)	Radiated Spurious Emission (5G NR n77, n78)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 10.37 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

Standards-related Product Specification	
Tx/Rx Frequency	5G NR n77: 3700 MHz ~ 3980 MHz 5G NR n78: 3700 MHz ~ 3800 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	3.45	-	SISO
	n78	Dipole	3.12	-	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	3.45	3.45	MIMO	2	Ant.1&7	3.45
	n78	Dipole	3.12	3.12	MIMO	2	Ant.1&7	3.12
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	3705.00 ~ 3975.00	0.2547	0.2535
15	3705.52 ~ 3972.48	0.2506	0.2547
20	3710.01 ~ 3969.99	0.2415	0.2460
25	3712.50 ~ 3967.50	0.2518	0.2460
30	3715.02 ~ 3964.98	0.2472	0.2594
40	3720.00 ~ 3960.00	0.2512	0.2489
50	3725.01 ~ 3954.99	0.2523	0.2559
60	3730.02 ~ 3949.98	0.2460	0.2415
70	3735.00 ~ 3945.00	0.2570	0.2594
80	3740.01 ~ 3939.99	0.2594	0.2535
90	3745.02 ~ 3934.98	0.2570	0.2535
100	3750.00 ~ 3930.00	0.2600	0.2588



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	3705.00 ~ 3975.00	0.2742	0.2754
15	3705.52 ~ 3972.48	0.2642	0.2667
20	3710.01 ~ 3969.99	0.2600	0.2630
25	3712.50 ~ 3967.50	0.2698	0.2761
30	3715.02 ~ 3964.98	0.2716	0.2667
40	3720.00 ~ 3960.00	0.2655	0.2618
50	3725.01 ~ 3954.99	0.2748	0.2723
60	3730.02 ~ 3949.98	0.2630	0.2661
70	3735.00 ~ 3945.00	0.2649	0.2716
80	3740.01 ~ 3939.99	0.2748	0.2692
90	3745.02 ~ 3934.98	0.2704	0.2825
100	3750.00 ~ 3930.00	0.2773	0.2831

5G NR n78		PI/2 BPSK / QPSK	16QAM / 64QAM / 256QAM
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Maximum Conducted power (W)
10	3705.00 ~ 3795.00	0.2438	0.2415
15	3707.52 ~ 3792.48	0.2415	0.2404
20	3710.01 ~ 3789.99	0.2339	0.2344
25	3712.50 ~ 3787.50	0.2410	0.2410
30	3715.02 ~ 3784.98	0.2466	0.2449
40	3720.00 ~ 3780.00	0.2455	0.2449
50	3725.01 ~ 3774.99	0.2541	0.2489
60	3730.02 ~ 3769.98	0.2427	0.2377
70	3735.00 ~ 3765.00	0.2460	0.2483
80	3740.01 ~ 3759.99	0.2512	0.2500
90	3745.02 ~ 3754.98	0.2523	0.2541
100	3750.00 ~ 3750.00	0.2547	0.2489



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	3705.00 ~ 3795.00	0.2506	0.1495
15	3707.52 ~ 3792.48	0.2443	0.2438
20	3710.01 ~ 3789.99	0.2377	0.2438
25	3712.50 ~ 3787.50	0.2483	0.2506
30	3715.02 ~ 3784.98	0.2483	0.2541
40	3720.00 ~ 3780.00	0.2483	0.2477
50	3725.01 ~ 3774.99	0.2582	0.2630
60	3730.02 ~ 3769.98	0.2455	0.2393
70	3735.00 ~ 3765.00	0.2506	0.2541
80	3740.01 ~ 3759.99	0.2523	0.2630
90	3745.02 ~ 3754.98	0.2564	0.2576
100	3750.00 ~ 3750.00	0.2636	0.2518

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

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	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 Applicable Standards

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

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

Remark:

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 are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

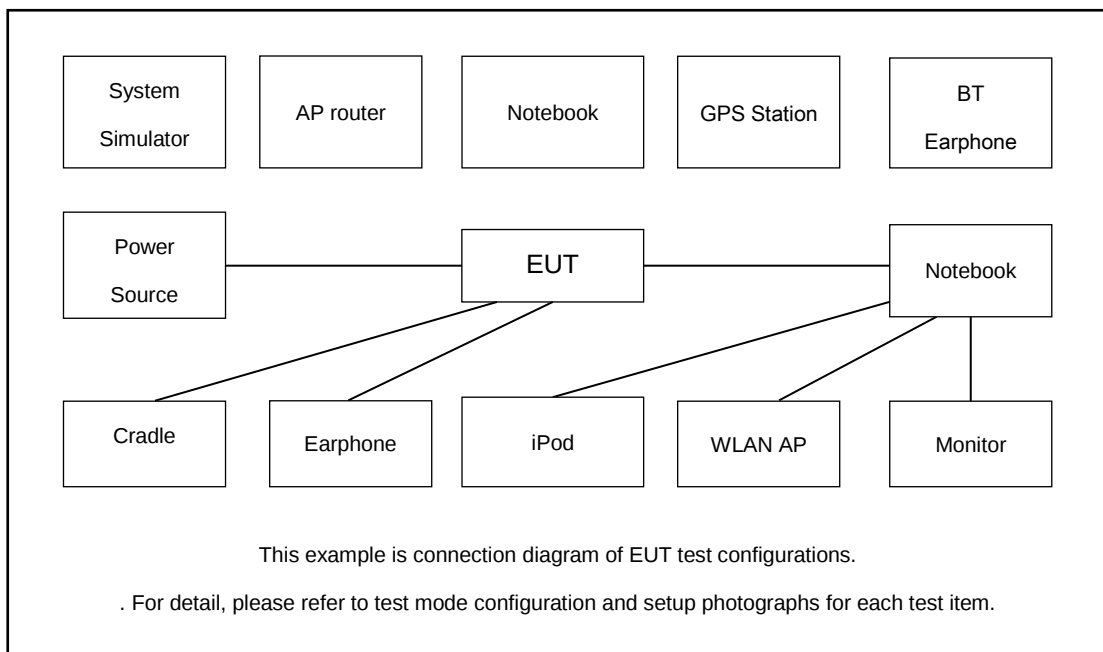
For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

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.

Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			

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	Partial	Full	L	M	H
Max. Output Power	n77	v	v	v	v	v	v	v	v	v	v	v	v	v			v			v	v	v
	n78	v	v	v	v	v	v	v	v	v	v	v	v	v			v			v	v	v
E.I.R.P	n77	v	v	v	v	v	v	v	v	v	v	v	v	v			v			v	v	v
	n78	v	v	v	v	v	v	v	v	v	v	v	v	v			v			v	v	v
Radiated Spurious Emission	n77	Worst Case																		v	v	v
	n78	Worst Case																		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. 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



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

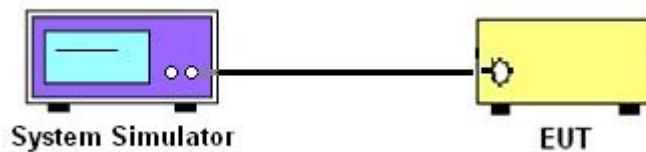
3 Conducted Test Items

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 EIRP

3.4.1 Description of the Conducted Output Power Measurement and 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 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.

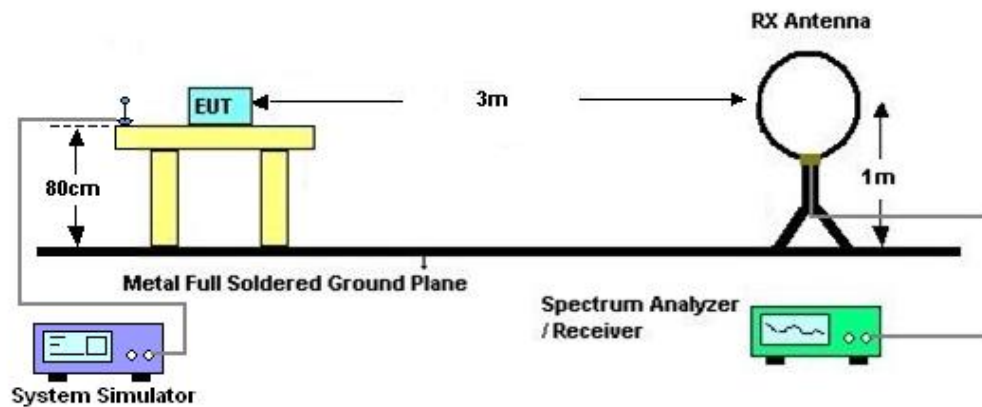
4 Radiated Test Items

4.1 Measuring Instruments

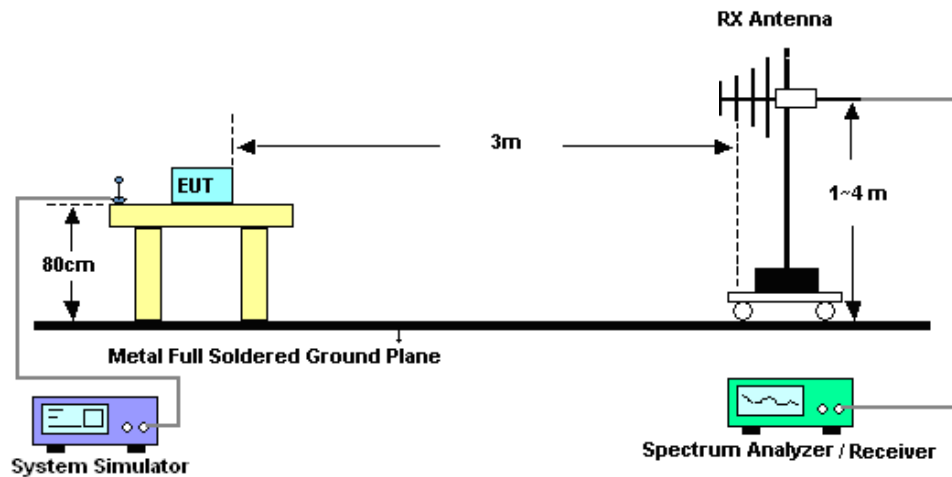
See list of measuring instruments of this test report.

4.2 Test Setup

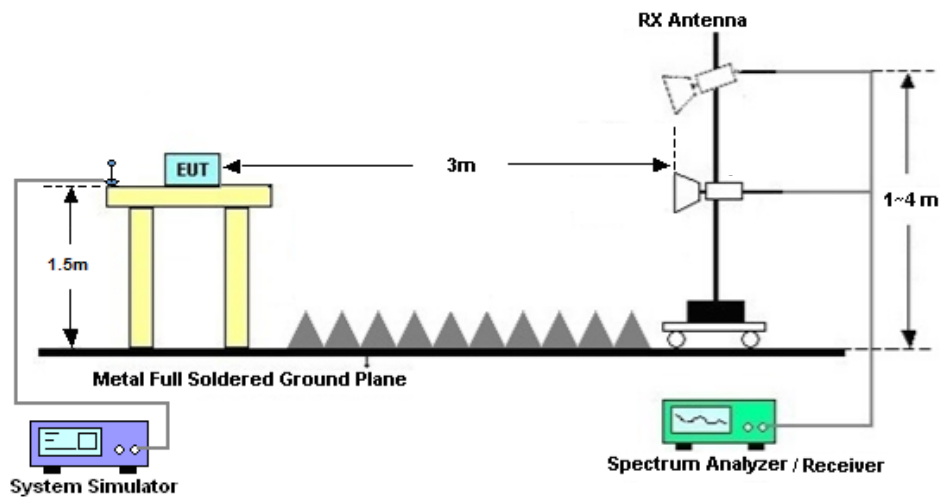
4.2.1 For radiated test below 30MHz



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

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 must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

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.
9. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
10. $ERP \text{ (dBm)} = EIRP - 2.15$
11. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$= P(W) - [43 + 10\log(P)] \text{ (dB)}$

$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$

$= -13\text{dBm}.$



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 = 2Uc(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 = 2Uc(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 = 2Uc(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 = 2Uc(y))	3.72 dB
---	---------

----- 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	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	24.06	27.51	0.5636
77	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	24.01	27.46	0.5572
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	24.04	27.49	0.5610
77	30	10	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.88	26.33	0.4295
77	30	10	656000	3840	DFT-s-OFDM QPSK	1@1	22.88	26.33	0.4295
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.85	26.3	0.4266
77	30	10	665000	3975	DFT-s-OFDM PI/2 BPSK	1@1	23.65	27.1	0.5129
77	30	10	665000	3975	DFT-s-OFDM QPSK	1@1	23.62	27.07	0.5093
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	1@1	23.71	27.16	0.5200
77	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@1	23.9	27.35	0.5433
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	23.99	27.44	0.5546
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	24.06	27.51	0.5636
77	30	15	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.96	26.41	0.4375
77	30	15	656000	3840	DFT-s-OFDM QPSK	1@1	22.92	26.37	0.4335
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.97	26.42	0.4385
77	30	15	664832	3972.48	DFT-s-OFDM PI/2 BPSK	1@1	23.67	27.12	0.5152
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	1@1	23.63	27.08	0.5105
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	1@1	23.58	27.03	0.5047
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	23.77	27.22	0.5272
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	23.83	27.28	0.5346
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	23.91	27.36	0.5445
77	30	20	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.86	26.31	0.4276
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@1	22.83	26.28	0.4246
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.9	26.35	0.4315
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@1	23.59	27.04	0.5058
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	23.5	26.95	0.4955
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@1	23.6	27.05	0.5070
77	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	24.01	27.46	0.5572
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	23.83	27.28	0.5346
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	23.91	27.36	0.5445
77	30	25	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	23.05	26.5	0.4467
77	30	25	656000	3840	DFT-s-OFDM QPSK	1@1	23.02	26.47	0.4436
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.99	26.44	0.4406
77	30	25	664500	3967.5	DFT-s-OFDM PI/2 BPSK	1@1	23.59	27.04	0.5058



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	1@1	23.6	27.05	0.5070
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@1	23.58	27.03	0.5047
77	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	23.93	27.38	0.5470
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	23.91	27.36	0.5445
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.14	27.59	0.5741
77	30	30	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	23.08	26.53	0.4498
77	30	30	656000	3840	DFT-s-OFDM QPSK	1@1	23.08	26.53	0.4498
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.09	26.54	0.4508
77	30	30	664332	3964.98	DFT-s-OFDM PI/2 BPSK	1@1	23.63	27.08	0.5105
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@1	23.61	27.06	0.5082
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@1	23.56	27.01	0.5023
77	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	24	27.45	0.5559
77	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	23.91	27.36	0.5445
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	23.96	27.41	0.5508
77	30	40	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	22.94	26.39	0.4355
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@1	22.96	26.41	0.4375
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.98	26.43	0.4395
77	30	40	664000	3960	DFT-s-OFDM PI/2 BPSK	1@1	23.49	26.94	0.4943
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@1	23.31	26.76	0.4742
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@1	23.48	26.93	0.4932
77	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	24.02	27.47	0.5585
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	23.96	27.41	0.5508
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	24.08	27.53	0.5662
77	30	50	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	23.24	26.69	0.4667
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@1	23.21	26.66	0.4634
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.2	26.65	0.4624
77	30	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	1@1	23.48	26.93	0.4932
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@1	23.47	26.92	0.4920
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@1	23.49	26.94	0.4943
77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	23.91	27.36	0.5445
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	23.88	27.33	0.5408
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	23.83	27.28	0.5346
77	30	60	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	23.08	26.53	0.4498
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@1	23.08	26.53	0.4498
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.11	26.56	0.4529
77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	1@1	23.37	26.82	0.4808
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@1	23.36	26.81	0.4797
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@1	23.37	26.82	0.4808
77	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	24.1	27.55	0.5689
77	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	24.04	27.49	0.5610
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	24.14	27.59	0.5741
77	30	70	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	23.2	26.65	0.4624
77	30	70	656000	3840	DFT-s-OFDM QPSK	1@1	23.17	26.62	0.4592



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.21	26.66	0.4634
77	30	70	663000	3945	DFT-s-OFDM PI/2 BPSK	1@1	23.32	26.77	0.4753
77	30	70	663000	3945	DFT-s-OFDM QPSK	1@1	23.31	26.76	0.4742
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	1@1	23.39	26.84	0.4831
77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	24.02	27.47	0.5585
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	24.14	27.59	0.5741
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	24.04	27.49	0.5610
77	30	80	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	23.38	26.83	0.4819
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@1	23.34	26.79	0.4775
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.29	26.74	0.4721
77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	1@1	23.29	26.74	0.4721
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	23.22	26.67	0.4645
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	23.38	26.83	0.4819
77	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	24.1	27.55	0.5689
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	24	27.45	0.5559
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	24.04	27.49	0.5610
77	30	90	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	23.5	26.95	0.4955
77	30	90	656000	3840	DFT-s-OFDM QPSK	1@1	23.51	26.96	0.4966
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.51	26.96	0.4966
77	30	90	662332	3934.98	DFT-s-OFDM PI/2 BPSK	1@1	23.24	26.69	0.4667
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@1	23.25	26.7	0.4677
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@1	23.25	26.7	0.4677
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.15	27.6	0.5754
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	23.97	27.42	0.5521
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.13	27.58	0.5728
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	23.53	26.98	0.4989
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@1	23.48	26.93	0.4932
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.6	27.05	0.5070
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@1	23.19	26.64	0.4613
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@1	23.14	26.59	0.4560
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@1	23.23	26.68	0.4656



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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	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	21.4	20.9	24.17	27.62	0.5781
77	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	21.21	20.83	24.03	27.48	0.5598
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	21.36	20.97	24.18	27.63	0.5794
77	30	10	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	20.8	20.28	23.56	27.01	0.5023
77	30	10	656000	3840	DFT-s-OFDM QPSK	1@1	20.77	20.17	23.49	26.94	0.4943
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	1@1	20.84	20.33	23.60	27.05	0.5070
77	30	10	665000	3975	DFT-s-OFDM PI/2 BPSK	1@1	20.99	21.71	24.38	27.83	0.6067
77	30	10	665000	3975	DFT-s-OFDM QPSK	1@1	20.93	21.64	24.31	27.76	0.5970
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	1@1	21.01	21.73	24.40	27.85	0.6095
77	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@1	21.44	20.93	24.20	27.65	0.5821
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	21.4	20.85	24.14	27.59	0.5741
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	21.47	20.98	24.24	27.69	0.5875
77	30	15	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	20.84	20.45	23.66	27.11	0.5140
77	30	15	656000	3840	DFT-s-OFDM QPSK	1@1	20.78	20.29	23.55	27	0.5012
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	1@1	20.88	20.48	23.69	27.14	0.5176
77	30	15	664832	3972.48	DFT-s-OFDM PI/2 BPSK	1@1	20.87	21.48	24.20	27.65	0.5821
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	1@1	20.89	21.5	24.22	27.67	0.5848
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	1@1	20.93	21.54	24.26	27.71	0.5902
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	21.35	20.82	24.10	27.55	0.5689
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	21.25	20.73	24.01	27.46	0.5572
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	21.22	20.7	23.98	27.43	0.5534
77	30	20	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	20.72	20.29	23.52	26.97	0.4977
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@1	20.7	20.17	23.45	26.9	0.4898
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@1	20.76	20.38	23.58	27.03	0.5047
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@1	20.78	21.47	24.15	27.6	0.5754
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	20.82	21.4	24.13	27.58	0.5728
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@1	20.86	21.49	24.20	27.65	0.5821
77	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	21.49	21.1	24.31	27.76	0.5970
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	21.43	20.95	24.21	27.66	0.5834
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	21.33	20.91	24.14	27.59	0.5741
77	30	25	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	21.01	20.45	23.75	27.2	0.5248
77	30	25	656000	3840	DFT-s-OFDM QPSK	1@1	20.87	20.29	23.60	27.05	0.5070
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	1@1	20.9	20.53	23.73	27.18	0.5224
77	30	25	664500	3967.5	DFT-s-OFDM PI/2 BPSK	1@1	21	21.52	24.28	27.73	0.5929
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	1@1	20.99	21.41	24.22	27.67	0.5848
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@1	21.07	21.7	24.41	27.86	0.6109
77	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	21.53	21.12	24.34	27.79	0.6012
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	21.44	21	24.24	27.69	0.5875
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	21.54	20.93	24.26	27.71	0.5902
77	30	30	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	20.97	20.44	23.72	27.17	0.5212



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	656000	3840	DFT-s-OFDM	QPSK	1@1	20.8	20.34	23.59	27.04	0.5058
77	30	30	656000	3840	DFT-s-OFDM	16 QAM	1@1	20.92	20.53	23.74	27.19	0.5236
77	30	30	664332	3964.98	DFT-s-OFDM	PI/2 BPSK	1@1	20.94	21.44	24.21	27.66	0.5834
77	30	30	664332	3964.98	DFT-s-OFDM	QPSK	1@1	20.88	21.39	24.15	27.6	0.5754
77	30	30	664332	3964.98	DFT-s-OFDM	16 QAM	1@1	20.93	21.52	24.25	27.7	0.5888
77	30	40	648000	3720	DFT-s-OFDM	PI/2 BPSK	1@1	21.44	21	24.24	27.69	0.5875
77	30	40	648000	3720	DFT-s-OFDM	QPSK	1@1	21.35	20.91	24.15	27.6	0.5754
77	30	40	648000	3720	DFT-s-OFDM	16 QAM	1@1	21.37	20.89	24.15	27.6	0.5754
77	30	40	656000	3840	DFT-s-OFDM	PI/2 BPSK	1@1	20.72	20.34	23.54	26.99	0.5000
77	30	40	656000	3840	DFT-s-OFDM	QPSK	1@1	20.64	20.25	23.46	26.91	0.4909
77	30	40	656000	3840	DFT-s-OFDM	16 QAM	1@1	20.8	20.37	23.60	27.05	0.5070
77	30	40	664000	3960	DFT-s-OFDM	PI/2 BPSK	1@1	20.85	21.38	24.13	27.58	0.5728
77	30	40	664000	3960	DFT-s-OFDM	QPSK	1@1	20.8	21.35	24.09	27.54	0.5675
77	30	40	664000	3960	DFT-s-OFDM	16 QAM	1@1	20.89	21.43	24.18	27.63	0.5794
77	30	50	648334	3725.01	DFT-s-OFDM	PI/2 BPSK	1@1	21.6	21.14	24.39	27.84	0.6081
77	30	50	648334	3725.01	DFT-s-OFDM	QPSK	1@1	21.49	21.09	24.30	27.75	0.5957
77	30	50	648334	3725.01	DFT-s-OFDM	16 QAM	1@1	21.5	21.11	24.32	27.77	0.5984
77	30	50	656000	3840	DFT-s-OFDM	PI/2 BPSK	1@1	21.08	20.45	23.79	27.24	0.5297
77	30	50	656000	3840	DFT-s-OFDM	QPSK	1@1	20.99	20.29	23.66	27.11	0.5140
77	30	50	656000	3840	DFT-s-OFDM	16 QAM	1@1	20.95	20.33	23.66	27.11	0.5140
77	30	50	663666	3954.99	DFT-s-OFDM	PI/2 BPSK	1@1	21.02	21.47	24.26	27.71	0.5902
77	30	50	663666	3954.99	DFT-s-OFDM	QPSK	1@1	20.9	21.37	24.15	27.6	0.5754
77	30	50	663666	3954.99	DFT-s-OFDM	16 QAM	1@1	21.07	21.59	24.35	27.8	0.6026
77	30	60	648668	3730.02	DFT-s-OFDM	PI/2 BPSK	1@1	21.33	21	24.18	27.63	0.5794
77	30	60	648668	3730.02	DFT-s-OFDM	QPSK	1@1	21.25	20.78	24.03	27.48	0.5598
77	30	60	648668	3730.02	DFT-s-OFDM	16 QAM	1@1	21.43	20.93	24.20	27.65	0.5821
77	30	60	656000	3840	DFT-s-OFDM	PI/2 BPSK	1@1	20.78	20.19	23.51	26.96	0.4966
77	30	60	656000	3840	DFT-s-OFDM	QPSK	1@1	20.81	20.19	23.52	26.97	0.4977
77	30	60	656000	3840	DFT-s-OFDM	16 QAM	1@1	20.74	20.12	23.45	26.9	0.4898
77	30	60	663332	3949.98	DFT-s-OFDM	PI/2 BPSK	1@1	21.05	21.32	24.20	27.65	0.5821
77	30	60	663332	3949.98	DFT-s-OFDM	QPSK	1@1	20.99	21.25	24.13	27.58	0.5728
77	30	60	663332	3949.98	DFT-s-OFDM	16 QAM	1@1	21.07	21.4	24.25	27.7	0.5888
77	30	70	649000	3735	DFT-s-OFDM	PI/2 BPSK	1@1	21.42	21	24.23	27.68	0.5861
77	30	70	649000	3735	DFT-s-OFDM	QPSK	1@1	21.35	20.94	24.16	27.61	0.5768
77	30	70	649000	3735	DFT-s-OFDM	16 QAM	1@1	21.48	21.12	24.31	27.76	0.5970
77	30	70	656000	3840	DFT-s-OFDM	PI/2 BPSK	1@1	20.82	20.26	23.56	27.01	0.5023
77	30	70	656000	3840	DFT-s-OFDM	QPSK	1@1	20.68	20.12	23.42	26.87	0.4864
77	30	70	656000	3840	DFT-s-OFDM	16 QAM	1@1	20.87	20.37	23.64	27.09	0.5117
77	30	70	663000	3945	DFT-s-OFDM	PI/2 BPSK	1@1	21.06	21.37	24.23	27.68	0.5861
77	30	70	663000	3945	DFT-s-OFDM	QPSK	1@1	21.02	21.27	24.16	27.61	0.5768
77	30	70	663000	3945	DFT-s-OFDM	16 QAM	1@1	21.18	21.48	24.34	27.79	0.6012



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	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	1@1	21.43	21.11	24.28	27.73	0.5929
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	1@1	21.4	20.99	24.21	27.66	0.5834
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	1@1	21.35	21.02	24.20	27.65	0.5821
77	30	80	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	1@1	20.92	20.33	23.65	27.1	0.5129
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@1	1@1	20.86	20.2	23.55	27	0.5012
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@1	1@1	20.92	20.39	23.67	27.12	0.5152
77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	1@1	1@1	21.36	21.4	24.39	27.84	0.6081
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	1@1	21.26	21.27	24.28	27.73	0.5929
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	1@1	21.27	21.3	24.30	27.75	0.5957
77	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	1@1	21.52	21.08	24.32	27.77	0.5984
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	1@1	21.5	21.1	24.31	27.76	0.5970
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	1@1	21.71	21.28	24.51	27.96	0.6252
77	30	90	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	1@1	21.07	20.48	23.80	27.25	0.5309
77	30	90	656000	3840	DFT-s-OFDM QPSK	1@1	1@1	20.95	20.34	23.67	27.12	0.5152
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	1@1	1@1	20.98	20.42	23.72	27.17	0.5212
77	30	90	662332	3934.98	DFT-s-OFDM PI/2 BPSK	1@1	1@1	21.22	21.3	24.27	27.72	0.5916
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@1	1@1	21.13	21.21	24.18	27.63	0.5794
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@1	1@1	21.24	21.33	24.30	27.75	0.5957
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	1@1	21.6	21.23	24.43	27.88	0.6138
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	1@1	21.5	21.16	24.34	27.79	0.6012
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	1@1	21.68	21.33	24.52	27.97	0.6266
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	1@1	21.12	20.54	23.85	27.3	0.5370
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@1	1@1	21.13	20.55	23.86	27.31	0.5383
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@1	1@1	21.2	20.57	23.91	27.36	0.5445
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@1	1@1	21.38	21.28	24.34	27.79	0.6012
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@1	1@1	21.27	21.19	24.24	27.69	0.5875
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@1	1@1	21.48	21.48	24.49	27.94	0.6223



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NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	23.87	26.99	0.5000
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	23.85	26.97	0.4977
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	23.83	26.95	0.4955
78	30	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.68	26.8	0.4786
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	23.67	26.79	0.4775
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.67	26.79	0.4775
78	30	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@1	23.24	26.36	0.4325
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	23.24	26.36	0.4325
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	23.21	26.33	0.4295
78	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@1	23.83	26.95	0.4955
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	23.8	26.92	0.4920
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	23.81	26.93	0.4932
78	30	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.73	26.85	0.4842
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	23.72	26.84	0.4831
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.71	26.83	0.4819
78	30	15	652832	3792.48	DFT-s-OFDM PI/2 BPSK	1@1	23.24	26.36	0.4325
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	23.12	26.24	0.4207
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	23.2	26.32	0.4285
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	23.69	26.81	0.4797
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	23.65	26.77	0.4753
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	23.7	26.82	0.4808
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.64	26.76	0.4742
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	23.61	26.73	0.4710
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.64	26.76	0.4742
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	23.22	26.34	0.4305
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	23.25	26.37	0.4335
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	23.25	26.37	0.4335
78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	23.81	26.93	0.4932
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	23.82	26.94	0.4943
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	23.82	26.94	0.4943
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.76	26.88	0.4875
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	23.75	26.87	0.4864
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.74	26.86	0.4853
78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@1	23.45	26.57	0.4539
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	23.42	26.54	0.4508
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	23.4	26.52	0.4487
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	23.92	27.04	0.5058
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	23.91	27.03	0.5047
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	23.89	27.01	0.5023
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.82	26.94	0.4943



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	23.79	26.91	0.4909
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.82	26.94	0.4943
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@1	23.35	26.47	0.4436
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	23.39	26.51	0.4477
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	23.27	26.39	0.4355
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	23.9	27.02	0.5035
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	23.82	26.94	0.4943
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	23.89	27.01	0.5023
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.79	26.91	0.4909
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	23.79	26.91	0.4909
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.77	26.89	0.4887
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	23.45	26.57	0.4539
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	23.44	26.56	0.4529
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	23.45	26.57	0.4539
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	24.05	27.17	0.5212
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	24.03	27.15	0.5188
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	23.96	27.08	0.5105
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.95	27.07	0.5093
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	23.84	26.96	0.4966
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.83	26.95	0.4955
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	23.64	26.76	0.4742
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	23.6	26.72	0.4699
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	23.6	26.72	0.4699
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	23.83	26.95	0.4955
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	23.85	26.97	0.4977
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	23.76	26.88	0.4875
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.66	26.78	0.4764
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	23.65	26.77	0.4753
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.65	26.77	0.4753
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@1	23.61	26.73	0.4710
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	23.58	26.7	0.4677
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	23.6	26.72	0.4699
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	23.91	27.03	0.5047
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	23.86	26.98	0.4989
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	23.95	27.07	0.5093
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.84	26.96	0.4966
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	23.8	26.92	0.4920
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.91	27.03	0.5047
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@1	23.83	26.95	0.4955
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	23.77	26.89	0.4887
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	23.9	27.02	0.5035



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	23.93	27.05	0.5070
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	23.97	27.09	0.5117
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	23.98	27.1	0.5129
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24	27.12	0.5152
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	23.97	27.09	0.5117
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.98	27.1	0.5129
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@1	23.92	27.04	0.5058
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	23.87	26.99	0.5000
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	23.92	27.04	0.5058
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	24.02	27.14	0.5176
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	24.01	27.13	0.5164
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	24.05	27.17	0.5212
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.99	27.11	0.5140
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	24.02	27.14	0.5176
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.03	27.15	0.5188
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1	23.98	27.1	0.5129
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	23.98	27.1	0.5129
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	24	27.12	0.5152
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.06	27.18	0.5224
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	23.91	27.03	0.5047
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.96	27.08	0.5105



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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	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	21.51	20.37	23.99	27.11	0.5140
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	21.39	20.31	23.89	27.01	0.5023
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	21.47	20.39	23.97	27.09	0.5117
78	30	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.24	20.18	23.75	26.87	0.4864
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	21.24	20.26	23.79	26.91	0.4909
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.29	20.23	23.80	26.92	0.4920
78	30	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@1	20.81	20.42	23.63	26.75	0.4732
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	20.66	20.34	23.51	26.63	0.4603
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	20.82	20.45	23.65	26.77	0.4753
78	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@1	21.34	20.35	23.88	27	0.5012
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	21.39	20.27	23.88	27	0.5012
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	21.35	20.17	23.81	26.93	0.4932
78	30	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.33	20.08	23.76	26.88	0.4875
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	21.26	20.15	23.75	26.87	0.4864
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.4	20.24	23.87	26.99	0.5000
78	30	15	652832	3792.48	DFT-s-OFDM PI/2 BPSK	1@1	20.88	20.33	23.62	26.74	0.4721
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	20.72	20.27	23.51	26.63	0.4603
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	20.77	20.37	23.58	26.7	0.4677
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	21.21	20.22	23.75	26.87	0.4864
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	21.25	20.19	23.76	26.88	0.4875
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	21.28	20.18	23.78	26.9	0.4898
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.25	19.97	23.67	26.79	0.4775
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	21.23	20.07	23.70	26.82	0.4808
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.36	20.29	23.87	26.99	0.5000
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	20.78	20.26	23.54	26.66	0.4634
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	20.76	20.15	23.48	26.6	0.4571
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	20.85	20.26	23.58	26.7	0.4677
78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	21.49	20.32	23.95	27.07	0.5093
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	21.32	20.24	23.82	26.94	0.4943
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	21.52	20.36	23.99	27.11	0.5140
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.39	20.13	23.82	26.94	0.4943
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	21.34	20.15	23.80	26.92	0.4920
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.38	20.29	23.88	27	0.5012
78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@1	21.03	20.37	23.72	26.84	0.4831
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	21.05	20.31	23.71	26.83	0.4819
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	21.14	20.42	23.81	26.93	0.4932
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	21.43	20.39	23.95	27.07	0.5093
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	21.45	20.31	23.93	27.05	0.5070
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	21.55	20.45	24.05	27.17	0.5212
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.43	20.14	23.84	26.96	0.4966
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	21.4	20.17	23.84	26.96	0.4966
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.48	20.29	23.94	27.06	0.5082



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	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@1	21.03	20.13	23.61	26.73	0.4710
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	21	20.23	23.64	26.76	0.4742
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	20.98	20.23	23.63	26.75	0.4732
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	21.45	20.35	23.95	27.07	0.5093
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	21.33	20.22	23.82	26.94	0.4943
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	21.42	20.38	23.94	27.06	0.5082
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.38	20.13	23.81	26.93	0.4932
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	21.36	20	23.74	26.86	0.4853
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.55	20.19	23.93	27.05	0.5070
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	21.13	20.18	23.69	26.81	0.4797
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	21.07	20.04	23.60	26.72	0.4699
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	21.12	20.22	23.70	26.82	0.4808
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	21.66	20.49	24.12	27.24	0.5297
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	21.56	20.36	24.01	27.13	0.5164
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	21.62	20.72	24.20	27.32	0.5395
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.49	20.23	23.92	27.04	0.5058
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	21.46	20.09	23.84	26.96	0.4966
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.61	20.3	24.01	27.13	0.5164
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	21.34	20.27	23.85	26.97	0.4977
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	21.21	20.03	23.67	26.79	0.4775
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	21.31	20.24	23.82	26.94	0.4943
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	21.4	20.3	23.90	27.02	0.5035
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	21.27	20.27	23.81	26.93	0.4932
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	21.29	20.21	23.79	26.91	0.4909
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.38	20.06	23.78	26.9	0.4898
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	21.2	19.91	23.61	26.73	0.4710
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.35	20.12	23.79	26.91	0.4909
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@1	21.29	19.97	23.69	26.81	0.4797
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	21.23	19.87	23.61	26.73	0.4710
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	21.37	19.92	23.72	26.84	0.4831
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	21.58	20.29	23.99	27.11	0.5140
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	21.43	20.28	23.90	27.02	0.5035
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	21.65	20.34	24.05	27.17	0.5212
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.51	20.33	23.97	27.09	0.5117
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	21.34	20.18	23.81	26.93	0.4932
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.53	20.31	23.97	27.09	0.5117
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@1	21.34	20.22	23.83	26.95	0.4955
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	21.3	20.19	23.79	26.91	0.4909
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	21.36	20.24	23.85	26.97	0.4977
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	21.54	20.41	24.02	27.14	0.5176
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	21.4	20.33	23.91	27.03	0.5047
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	21.68	20.64	24.20	27.32	0.5395
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.49	20.4	23.99	27.11	0.5140



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	650000	3750	DFT-s-OFDM QPSK	1@1	21.54	20.16	23.91	27.03	0.5047
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.54	20.24	23.95	27.07	0.5093
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@1	21.55	20.25	23.96	27.08	0.5105
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	21.45	20.05	23.82	26.94	0.4943
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	21.68	20.15	23.99	27.11	0.5140
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	21.63	20.45	24.09	27.21	0.5260
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	21.48	20.41	23.99	27.11	0.5140
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	21.61	20.52	24.11	27.23	0.5284
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.6	20.39	24.05	27.17	0.5212
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	21.53	20.32	23.98	27.1	0.5129
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.65	20.42	24.09	27.21	0.5260
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1	21.54	20.3	23.97	27.09	0.5117
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	21.45	20.23	23.89	27.01	0.5023
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	21.51	20.27	23.94	27.06	0.5082
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.62	20.73	24.21	27.33	0.5408
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	21.47	20.34	23.95	27.07	0.5093
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.47	20.47	24.01	27.13	0.5164



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	7401.62	-59.31	-13	-46.31	-65.57	-62.64	8.25	11.58	H
	11102.43	-53.99	-13	-40.99	-68.20	-55.54	10.45	12.00	H
	14803.24	-49.72	-13	-36.72	-67.14	-51.43	11.74	13.45	H
	7401.62	-59.62	-13	-46.62	-65.9	-62.95	8.25	11.58	V
	11102.43	-53.77	-13	-40.77	-67.69	-55.32	10.45	12.00	V
	14803.24	-50.08	-13	-37.08	-66.95	-51.79	11.74	13.45	V
Middle	7661.60	-59.08	-13	-46.08	-65.13	-62.38	8.30	11.60	H
	11492.40	-53.11	-13	-40.11	-68.14	-54.63	10.48	12.00	H
	15323.20	-49.98	-13	-36.98	-66.79	-51.68	11.80	13.50	H
	7661.60	-59.24	-13	-46.24	-65.2	-62.54	8.30	11.60	V
	11492.40	-53.27	-13	-40.27	-68.04	-54.79	10.48	12.00	V
	15323.20	-50.90	-13	-37.90	-66.91	-52.60	11.80	13.50	V
Highest	7921.58	-57.97	-13	-44.97	-65.32	-61.27	8.32	11.62	H
	11882.37	-55.17	-13	-42.17	-68.77	-56.85	10.52	12.20	H
	15843.16	-51.75	-13	-38.75	-67.08	-53.45	11.85	13.55	H
	7921.58	-58.38	-13	-45.38	-65.5	-61.68	8.32	11.62	V
	11882.37	-55.53	-13	-42.53	-68.61	-57.21	10.52	12.20	V
	15843.16	-51.50	-13	-38.50	-66.57	-53.20	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	7401.62	-59.73	-13	-46.73	-65.99	-63.06	8.25	11.58	H
	11102.43	-54.43	-13	-41.43	-68.64	-55.98	10.45	12.00	H
	14803.24	-50.46	-13	-37.46	-67.88	-52.17	11.74	13.45	H
	7401.62	-60.11	-13	-47.11	-66.39	-63.44	8.25	11.58	V
	11102.43	-54.54	-13	-41.54	-68.46	-56.09	10.45	12.00	V
	14803.24	-50.70	-13	-37.70	-67.57	-52.41	11.74	13.45	V
Middle	7661.60	-59.51	-13	-46.51	-65.56	-62.81	8.30	11.60	H
	11492.40	-53.68	-13	-40.68	-68.71	-55.20	10.48	12.00	H
	15323.20	-50.50	-13	-37.50	-67.31	-52.20	11.80	13.50	H
	7661.60	-59.92	-13	-46.92	-65.88	-63.22	8.30	11.60	V
	11492.40	-54.02	-13	-41.02	-68.79	-55.54	10.48	12.00	V
	15323.20	-51.59	-13	-38.59	-67.60	-53.29	11.80	13.50	V
Highest	7921.58	-58.83	-13	-45.83	-66.18	-62.13	8.32	11.62	H
	11882.37	-55.72	-13	-42.72	-69.32	-57.40	10.52	12.20	H
	15843.16	-52.05	-13	-39.05	-67.38	-53.75	11.85	13.55	H
	7921.58	-58.89	-13	-45.89	-66.01	-62.19	8.32	11.62	V
	11882.37	-56.17	-13	-43.17	-69.25	-57.85	10.52	12.20	V
	15843.16	-52.58	-13	-39.58	-67.65	-54.28	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	7661.60	-59.75	-13	-46.75	-65.80	-63.05	8.30	11.60	H
	11492.40	-54.34	-13	-41.34	-69.37	-55.86	10.48	12.00	H
	15323.20	-52.49	-13	-39.49	-69.30	-54.19	11.80	13.50	H
	7661.60	-59.72	-13	-46.72	-65.68	-63.02	8.30	11.60	V
	11492.40	-54.77	-13	-41.77	-69.54	-56.29	10.48	12.00	V
	15323.20	-52.97	-13	-39.97	-68.98	-54.67	11.80	13.50	V
LTE Band30 Middle	4611.00	-57.24	-40	-17.24	-56.28	-63.49	6.45	12.70	H
	6916.50	-60.14	-40	-20.14	-64.98	-63.54	8.40	11.80	H
	9222.00	-57.35	-40	-17.35	-68.12	-59.70	9.65	12.00	H
	4611.00	-50.37	-40	-10.37	-49.79	-56.62	6.45	12.70	V
	6916.50	-60.00	-40	-20.00	-65.32	-63.40	8.40	11.80	V
	9222.00	-58.09	-40	-18.09	-68.04	-60.44	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	7401.62	-59.47	-13	-46.47	-65.73	-62.80	8.25	11.58	H
	11102.43	-53.98	-13	-40.98	-68.19	-55.53	10.45	12.00	H
	14803.24	-49.60	-13	-36.60	-67.02	-51.31	11.74	13.45	H
	7401.62	-59.64	-13	-46.64	-65.92	-62.97	8.25	11.58	V
	11102.43	-54.13	-13	-41.13	-68.05	-55.68	10.45	12.00	V
	14803.24	-49.85	-13	-36.85	-66.72	-51.56	11.74	13.45	V
Middle	7481.60	-59.41	-13	-46.41	-65.54	-62.71	8.30	11.60	H
	11222.40	-53.87	-13	-40.87	-68.33	-55.39	10.48	12.00	H
	14963.20	-49.78	-13	-36.78	-67.04	-51.48	11.80	13.50	H
	7481.60	-59.44	-13	-46.44	-65.56	-62.74	8.30	11.60	V
	11222.40	-54.21	-13	-41.21	-68.39	-55.73	10.48	12.00	V
	14963.20	-50.08	-13	-37.08	-66.83	-51.78	11.80	13.50	V
Highest	7561.58	-59.27	-13	-46.27	-65.23	-62.57	8.32	11.62	H
	11342.37	-53.50	-13	-40.50	-68.20	-55.18	10.52	12.20	H
	15123.16	-50.60	-13	-37.60	-67.66	-52.30	11.85	13.55	H
	7561.58	-59.36	-13	-46.36	-65.29	-62.66	8.32	11.62	V
	11342.37	-53.95	-13	-40.95	-68.38	-55.63	10.52	12.20	V
	15123.16	-50.94	-13	-37.94	-67.39	-52.64	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	7401.62	-59.96	-13	-46.96	-66.22	-63.29	8.25	11.58	H
	11102.43	-54.10	-13	-41.10	-68.31	-55.65	10.45	12.00	H
	14803.24	-50.28	-13	-37.28	-67.70	-51.99	11.74	13.45	H
	7401.62	-59.88	-13	-46.88	-66.16	-63.21	8.25	11.58	V
	11102.43	-54.62	-13	-41.62	-68.54	-56.17	10.45	12.00	V
	14803.24	-51.00	-13	-38.00	-67.87	-52.71	11.74	13.45	V
Middle	7481.60	-60.02	-13	-47.02	-66.15	-63.32	8.30	11.60	H
	11222.40	-54.15	-13	-41.15	-68.61	-55.67	10.48	12.00	H
	14963.20	-49.98	-13	-36.98	-67.24	-51.68	11.80	13.50	H
	7481.60	-60.14	-13	-47.14	-66.26	-63.44	8.30	11.60	V
	11222.40	-54.69	-13	-41.69	-68.87	-56.21	10.48	12.00	V
	14963.20	-50.62	-13	-37.62	-67.37	-52.32	11.80	13.50	V
Highest	7561.58	-59.84	-13	-46.84	-65.80	-63.14	8.32	11.62	H
	11342.37	-54.10	-13	-41.10	-68.80	-55.78	10.52	12.20	H
	15123.16	-50.95	-13	-37.95	-68.01	-52.65	11.85	13.55	H
	7561.58	-59.91	-13	-46.91	-65.84	-63.21	8.32	11.62	V
	11342.37	-54.40	-13	-41.40	-68.83	-56.08	10.52	12.20	V
	15123.16	-51.61	-13	-38.61	-68.06	-53.31	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	7481.60	-60.24	-13	-47.24	-66.37	-63.54	8.30	11.60	H
	11222.40	-54.98	-13	-41.98	-69.44	-56.50	10.48	12.00	H
	14963.20	-51.49	-13	-38.49	-68.75	-53.19	11.80	13.50	H
	7481.60	-60.21	-13	-47.21	-66.33	-63.51	8.30	11.60	V
	11222.40	-55.26	-13	-42.26	-69.44	-56.78	10.48	12.00	V
	14963.20	-52.14	-13	-39.14	-68.89	-53.84	11.80	13.50	V
LTE Band7 Middle	5061.00	-58.69	-25	-33.69	-59.05	-64.25	7.14	12.70	H
	7591.50	-59.66	-25	-34.66	-65.56	-62.96	8.30	11.60	H
	10122.00	-57.01	-25	-32.01	-68.18	-58.53	10.48	12.00	H
	5061.00	-49.56	-25	-24.56	-50.06	-55.12	7.14	12.70	V
	7591.50	-59.76	-25	-34.76	-65.61	-63.06	8.30	11.60	V
	10122.00	-58.26	-25	-33.26	-68.06	-59.78	10.48	12.00	V

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