



FCC RF Test Report

APPLICANT : Nextivity, Inc.
EQUIPMENT : SHIELD MegaFi 2
BRAND NAME : Nextivity
MODEL NAME : M4D-UC
FCC ID : YETM4D-UC
STANDARD : 47 CFR Part 22, 24, 27
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Dec. 26, 2024 ~ Feb. 08, 2025

This product installed a RF module (Brand Name: Telit, Model Name: FN990A40, FCC ID: RI7FN990A40) during the test, only Conducted Power, ERP/EIRP and RSE test items are tested in this report, all the other test results are leveraged from module RF report.

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

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

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

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



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG492317J	Rev. 01	Initial issue of report	Feb. 10, 2025



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§22.913(a)(5)	Effective Radiated Power (5G NR n5)	ERP < 7 Watt		
	§27.50(c)(10)	Effective Radiated Power (5G NR n71)	ERP < 3 Watt		
	§24.232(c)	Equivalent Isotropic Radiated Power (5G NR n2, n25)	EIRP < 2Watt		
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (5G NR n66)	EIRP < 1Watt		
-	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	1
-	§2.1049	Occupied Bandwidth	Reporting Only	PASS	1
-	§2.1051 §22.917(a) §24.238(a) §27.53(h) §27.53(g)	Conducted Band Edge Measurement (5G NR n5) (5G NR n2, n25) (5G NR n66) (5G NR n71)	< 43+10log10(P[Watts])	PASS	1
-	§2.1051 §22.917(a) §24.238(a) §27.53(h) §27.53(g)	Conducted Spurious Emission (5G NR n5) (5G NR n2, n25) (5G NR n66) (5G NR n71)	< 43+10log10(P[Watts])	PASS	1
-	§2.1055	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	1
	§22.355				
	§24.235 §27.54				
4.4	§2.1053 §22.917(a) §24.238(a) §27.53(h) §27.53(g)	Radiated Spurious Emission (5G NR n5) (5G NR n2, n25) (5G NR n66) (5G NR n71)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 33.36 dB at 3735.00 MHz

Remark 1: The conducted test results were leveraged from module RF report which can refer to Report No. FG270608C.

Conformity Assessment Condition:

- 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.
- 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

Nextivity, Inc.

16550 West Bernardo Drive, Building 5, Suite 550, San Diego, CA 92127 USA

1.2 Manufacturer

Asiatelco Technologies Co.

#68 HuaTuo Road, Building-8, Zhangjiang Hi-Tech Park, Pudong, Shanghai 201204, China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	SHIELD MegaFi 2
Brand Name	Nextivity
Model Name	M4D-UC
FCC ID	YETM4D-UC
SN Code	Conducted : 243902000029 Radiation : 243902000026
HW Version	1.0
SW Version	1.2.0.0
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5 : 824 MHz ~ 849 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n71: 663 MHz ~ 698 MHz
Rx Frequency	5G NR n2 : 1930 MHz ~ 1990 MHz 5G NR n5 : 869 MHz ~ 894 MHz 5G NR n25 : 1930 MHz ~ 1995 MHz 5G NR n66 : 2110 MHz~ 2200 MHz 5G NR n71: 617 MHz ~ 652 MHz
Bandwidth	n2, n5, n25, n71: 5MHz / 10MHz / 15MHz / 20MHz n66: 5MHz / 10MHz / 15MHz / 20MHz / 30MHz
SCS	15kHz
Antenna Type	Dipole Antenna
Antenna Gain	<Ant.0> Paddle antenna: n2/25/66: 3.0 dBi n5: 0.2 dBi n71: 1.5 dBi

	Sharkfin antenna: n2/25/66: 3.5 dBi n5: 2.7 dBi n71: 1.8 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. There are two type of EUT, which only differ in antenna. Sample 1 with paddle antenna and sample 2 with sharkfin antenna. Based on the max antenna gain, we chose sample 2 for RF testing
2. 5G NR n2/n5/n25/n66/n71 support SA mode and NSA mode. According to the maximum power between SA and NSA mode, SA covers NSA mode.
3. The EN-DC mode combination could be referred to the product spec.

1.5 Modification of EUT

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

1.6 Maximum ERP/EIRP and Emission Designator

5G NR n2		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	1852.5 ~ 1907.5	0.4613	-	0.3573	-
10	1855.0 ~ 1905.0	0.4436	-	0.3548	-
15	1857.5 ~ 1902.5	0.4634	-	0.3540	-
20	1860.0 ~ 1900.0	0.4467	-	0.3508	-

5G NR n25		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	1852.5 ~ 1912.5	0.2844	-	0.2291	-
10	1855.0 ~ 1910.0	0.2838	-	0.2228	-
15	1857.5 ~ 1907.5	0.2944	-	0.2291	-
20	1860.0 ~ 1905.0	0.2864	-	0.2280	-

5G NR n5		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	826.5 ~ 846.5	0.2075	-	0.1592	-
10	829.0 ~ 844.0	0.1982	-	0.1567	-
15	831.5 ~ 841.5	0.2046	-	0.1585	-
20	834.0 ~ 839.0	0.2037	-	0.1607	-

5G NR n66		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	1712.5 ~ 1777.5	0.4932	-	0.4406	-
10	1715.0 ~ 1775.0	0.4932	-	0.4198	-
15	1717.5 ~ 1772.5	0.4864	-	0.4046	-
20	1720.0 ~ 1770.0	0.4943	-	0.3846	-
30	1725.0 ~ 1765.0	0.4966	-	0.4487	-

5G NR n71		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	665.5 ~ 695.5	0.1687	-	0.1352	-
10	668.0 ~ 693.0	0.1786	-	0.1371	-
15	670.5 ~ 690.5	0.1746	-	0.1380	-
20	673.0 ~ 688.0	0.1768	-	0.1374	-

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

1.7 Testing Location

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

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH03-KS TH01-KS	CN1257	314309

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	TH01-KS	SPORTON	FCC_5GNR_China_2 01027	1.0
2.	03CH03-KS	AUDIX	E3	210616

1.9 Applicable Standards

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

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

Remark:

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.

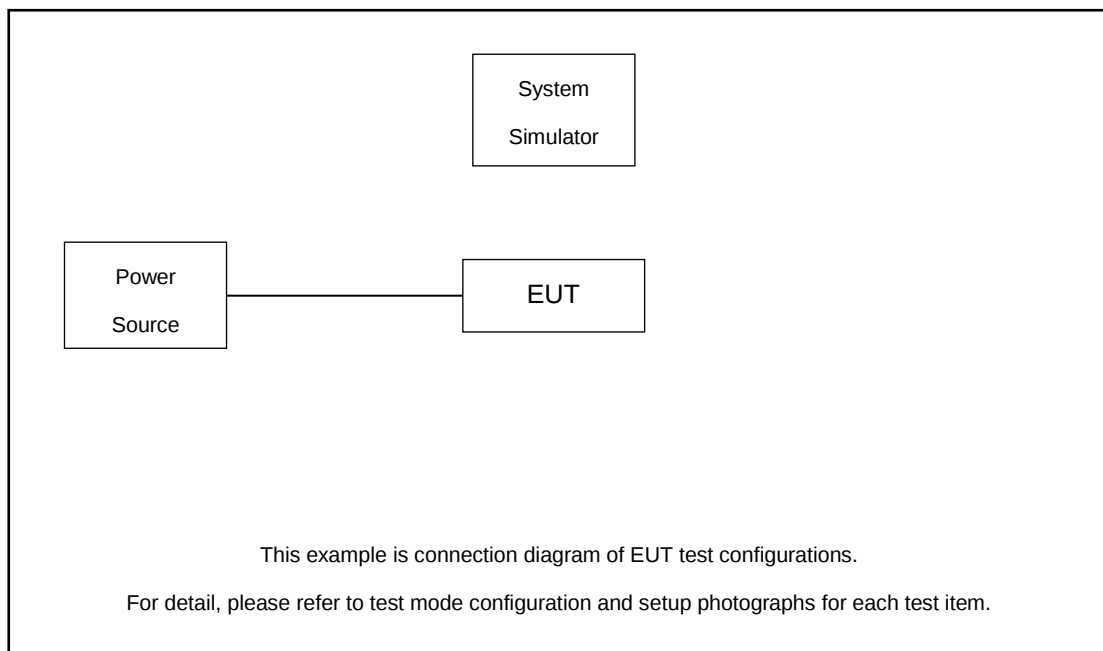
For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

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		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	Full	L	M	H	
Max. Output Power	n2	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	
	n5	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	
	n25	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	
	n66	v	v	v	v	-	v	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	
	n71	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	
E.R.P / E.I.R.P	n2	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	
	n5	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	
	n25	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	
	n66	v	v	v	v	-	v	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	
	n71	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	
Radiated Spurious Emission	n2	Worst Case																					v		
	n5	Worst Case																					v		
	n25	Worst Case																					v		
	n66	Worst Case																					v		
	n71	Worst Case																					v		
Note	1. The mark “v ” means that this configuration is chosen for testing 2. The mark “-“ means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported																								

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	DC Power Supply	GW	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m

2.4 Frequency List of Low/Middle/High Channels

5G NR n2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	372000	376000	380000
	Frequency	1860	1880	1900
15	Channel	371500	376000	380500
	Frequency	1857.5	1880	1902.5
10	Channel	371000	376000	381000
	Frequency	1855	1880	1905
5	Channel	370500	376000	381500
	Frequency	1852.5	1880	1907.5

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

5G NR n25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	372000	376500	381000
	Frequency	1860	1882.5	1905
15	Channel	371500	376500	381500
	Frequency	1857.5	1882.5	1907.5
10	Channel	371000	376500	382000
	Frequency	1855	1882.5	1910
5	Channel	370500	376500	382500
	Frequency	1852.5	1882.5	1912.5



5G NR n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
30	Channel	345000	349000	353000
	Frequency	1725	1745	1765
20	Channel	344000	349000	354000
	Frequency	1720	1745	1770
15	Channel	343500	349000	354500
	Frequency	1717.5	1745	1772.5
10	Channel	343000	349000	355000
	Frequency	1715	1745	1775
5	Channel	342500	349000	355500
	Frequency	1712.5	1745	1777.5

5G NR n71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	134600	136100	137600
	Frequency	673	680.5	688
15	Channel	134100	136100	138100
	Frequency	670.5	680.5	690.5
10	Channel	133600	136100	138600
	Frequency	668	680.5	693
5	Channel	133100	136100	139100
	Frequency	665.5	680.5	695.5

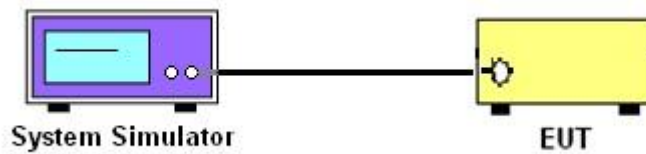
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

3.2.1 Conducted Output Power



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and ERP/EIRP

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

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

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

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

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

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

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.

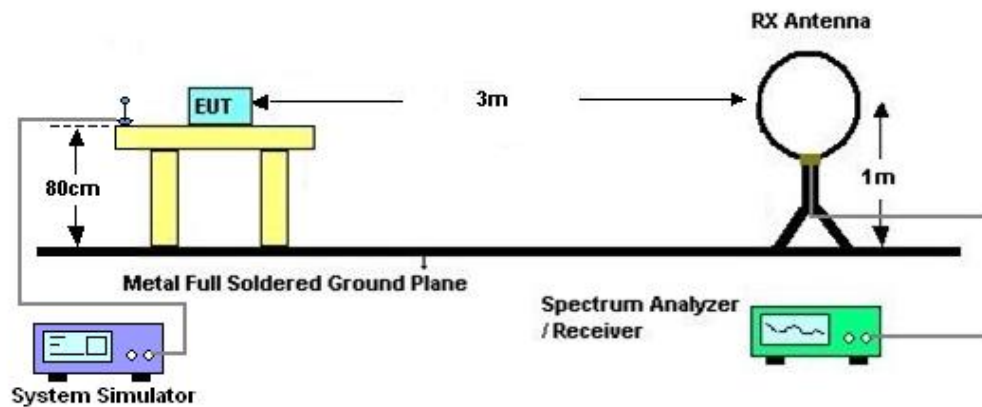
4 Radiated Test Items

4.1 Measuring Instruments

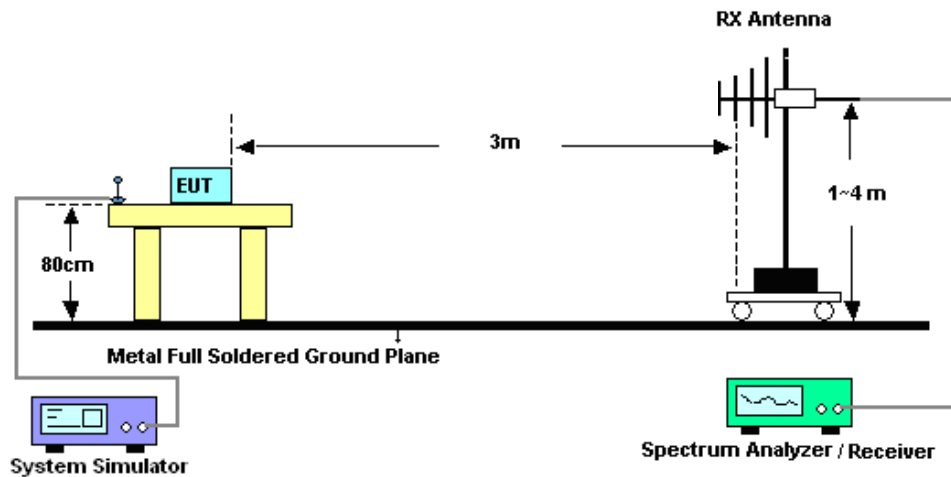
See list of measuring instruments of this test report.

4.2 Test Setup

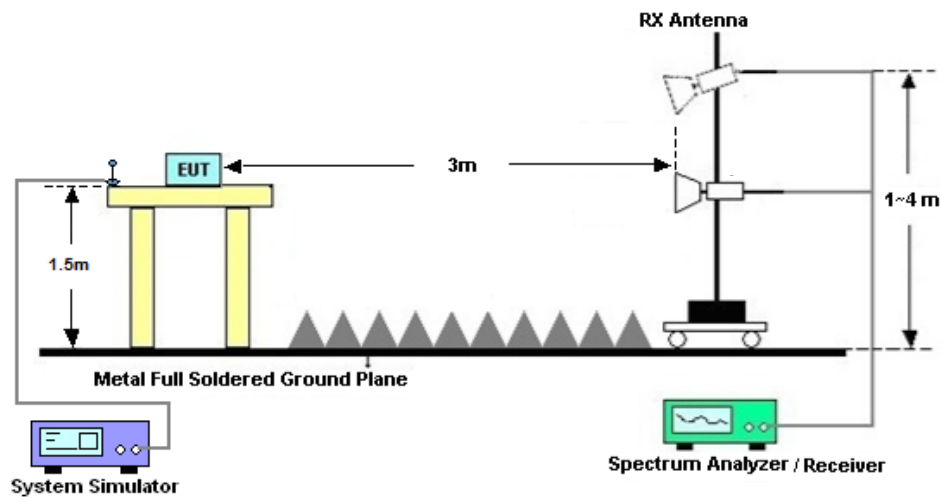
4.2.1 For radiated test below 30MHz



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

The limit line is derived from $43 + 10\log(P)$ 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	101040	10Hz~40GHz	Oct. 10, 2024	Jan. 20, 2025	Oct. 09, 2025	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Jan. 20, 2025	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 04, 2024	Jan. 20, 2025	Jul. 03, 2025	Conducted (TH01-KS)
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz;Max 30dBm	Oct. 11, 2024	Dec. 26, 2024~ Feb. 08, 2025	Oct. 10, 2025	Radiation (03CH03-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz~44GHz	Apr. 18, 2024	Dec. 26, 2024~ Feb. 08, 2025	Apr. 13, 2025	Radiation (03CH03-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Sep. 08, 2024	Dec. 26, 2024~ Feb. 08, 2025	Sep. 07, 2025	Radiation (03CH03-KS)
Bilog Antenna	TeseQ	CBL6112D	23182	30MHz~1GHz	Dec. 05, 2024	Dec. 26, 2024~ Feb. 08, 2025	Dec. 04, 2025	Radiation (03CH03-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00251982	1GHz~18GHz	Aug. 16, 2024	Dec. 26, 2024~ Feb. 08, 2025	Aug. 15, 2025	Radiation (03CH03-KS)
SHF-EHF Horn	com-power	AH-840	101116	18GHz~40GHz	Oct. 22, 2024	Dec. 26, 2024~ Feb. 08, 2025	Oct. 21, 2025	Radiation (03CH03-KS)
Amplifier	SONOMA	310N	380826	9KHz~1GHz	Jul. 03, 2024	Dec. 26, 2024~ Feb. 08, 2025	Jul. 02, 2025	Radiation (03CH03-KS)
Amplifier	EM	EM18G40G A	060851	18~40GHz	Jan. 03, 2024	Dec. 26, 2024~ Feb. 08, 2025	Jan. 02, 2025	Radiation (03CH03-KS)
Amplifier	EM	EM18G40G A	060851	18~40GHz	Jan. 02, 2025		Jan. 01, 2026	Radiation (03CH03-KS)
high gain Amplifier	EM	EM01G18G A	060834	1Ghz~18Ghz	Dec. 02, 2024	Dec. 26, 2024~ Feb. 08, 2025	Dec. 01, 2025	Radiation (03CH03-KS)
Amplifier	EM	EM01G18G A	EM	1GHz~26.5GHz	Oct. 09, 2024	Dec. 26, 2024~ Feb. 08, 2025	Oct. 08, 2025	Radiation (03CH03-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Dec. 26, 2024~ Feb. 08, 2025	NCR	Radiation (03CH03-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Dec. 26, 2024~ Feb. 08, 2025	NCR	Radiation (03CH03-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Dec. 26, 2024~ Feb. 08, 2025	NCR	Radiation (03CH03-KS)

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

Conducted Power	± 0.50 dB
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Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.30dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	2.84dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	2.84dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	2.83dB
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Appendix A. Test Results of Conducted Test

Test Engineer :	Smile Wang	Temperature :	22~23°C
		Relative Humidity :	40~42%

Conducted Output Power(Average power) and ERP/EIRP

5G NR n2

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
2	15	5	370500	1852.5	DFT-s-OFDM PI/2 BPSK	1@1	22.83	26.33	0.4295
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@1	23.14	26.64	0.4613
2	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@1	22.03	25.53	0.3573
2	15	5	376000	1880	DFT-s-OFDM PI/2 BPSK	1@1	22.63	26.13	0.4102
2	15	5	376000	1880	DFT-s-OFDM QPSK	1@1	22.72	26.22	0.4188
2	15	5	376000	1880	DFT-s-OFDM 16 QAM	1@1	21.87	25.37	0.3443
2	15	5	381500	1907.5	DFT-s-OFDM PI/2 BPSK	1@1	22.64	26.14	0.4111
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@1	22.59	26.09	0.4064
2	15	5	381500	1907.5	DFT-s-OFDM 16 QAM	1@1	21.76	25.26	0.3357
2	15	10	371000	1855	DFT-s-OFDM PI/2 BPSK	1@1	22.89	26.39	0.4355
2	15	10	371000	1855	DFT-s-OFDM QPSK	1@1	22.97	26.47	0.4436
2	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@1	22	25.5	0.3548
2	15	10	376000	1880	DFT-s-OFDM PI/2 BPSK	1@1	22.64	26.14	0.4111
2	15	10	376000	1880	DFT-s-OFDM QPSK	1@1	22.8	26.3	0.4266
2	15	10	376000	1880	DFT-s-OFDM 16 QAM	1@1	21.75	25.25	0.3350
2	15	10	381000	1905	DFT-s-OFDM PI/2 BPSK	1@1	22.65	26.15	0.4121
2	15	10	381000	1905	DFT-s-OFDM QPSK	1@1	22.81	26.31	0.4276
2	15	10	381000	1905	DFT-s-OFDM 16 QAM	1@1	21.82	25.32	0.3404
2	15	15	371500	1857.5	DFT-s-OFDM PI/2 BPSK	1@1	22.93	26.43	0.4395
2	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@1	23.16	26.66	0.4634
2	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@1	21.99	25.49	0.3540
2	15	15	376000	1880	DFT-s-OFDM PI/2 BPSK	1@1	22.69	26.19	0.4159
2	15	15	376000	1880	DFT-s-OFDM QPSK	1@1	22.68	26.18	0.4150
2	15	15	376000	1880	DFT-s-OFDM 16 QAM	1@1	21.78	25.28	0.3373
2	15	15	380500	1902.5	DFT-s-OFDM PI/2 BPSK	1@1	22.74	26.24	0.4207
2	15	15	380500	1902.5	DFT-s-OFDM QPSK	1@1	22.76	26.26	0.4227
2	15	15	380500	1902.5	DFT-s-OFDM 16 QAM	1@1	21.79	25.29	0.3381
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	50@25	22.99	26.49	0.4457
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@1	23	26.5	0.4467
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@104	22.91	26.41	0.4375
2	15	20	372000	1860	DFT-s-OFDM QPSK	50@25	22.93	26.43	0.4395
2	15	20	372000	1860	DFT-s-OFDM QPSK	1@1	22.93	26.43	0.4395
2	15	20	372000	1860	DFT-s-OFDM QPSK	1@104	22.9	26.4	0.4365
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	50@25	21.95	25.45	0.3508
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@1	21.88	25.38	0.3451
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@104	21.82	25.32	0.3404
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	50@25	20.5	24	0.2512
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@1	20.64	24.14	0.2594
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@104	20.52	24.02	0.2523



2	15	20	372000	1860	DFT-s-OFDM 256 QAM	50@25	18.43	21.93	0.1560
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@1	17.91	21.41	0.1384
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@104	17.78	21.28	0.1343
2	15	20	372000	1860	CP-OFDM QPSK	53@26	21.45	24.95	0.3126
2	15	20	372000	1860	CP-OFDM QPSK	1@1	21.39	24.89	0.3083
2	15	20	372000	1860	CP-OFDM QPSK	1@104	21.32	24.82	0.3034
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	50@25	22.78	26.28	0.4246
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	1@1	22.82	26.32	0.4285
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	1@104	22.73	26.23	0.4198
2	15	20	376000	1880	DFT-s-OFDM QPSK	50@25	22.8	26.3	0.4266
2	15	20	376000	1880	DFT-s-OFDM QPSK	1@1	22.75	26.25	0.4217
2	15	20	376000	1880	DFT-s-OFDM QPSK	1@104	22.7	26.2	0.4169
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	50@25	21.74	25.24	0.3342
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	1@1	21.78	25.28	0.3373
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	1@104	21.62	25.12	0.3251
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	50@25	20.27	23.77	0.2382
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	1@1	20.45	23.95	0.2483
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	1@104	20.42	23.92	0.2466
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	50@25	17.54	21.04	0.1271
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	1@1	17.77	21.27	0.1340
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	1@104	17.69	21.19	0.1315
2	15	20	376000	1880	CP-OFDM QPSK	53@26	21.25	24.75	0.2985
2	15	20	376000	1880	CP-OFDM QPSK	1@1	21.33	24.83	0.3041
2	15	20	376000	1880	CP-OFDM QPSK	1@104	21.12	24.62	0.2897
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	50@25	22.77	26.27	0.4236
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	1@1	22.71	26.21	0.4178
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	1@104	22.8	26.3	0.4266
2	15	20	380000	1900	DFT-s-OFDM QPSK	50@25	22.82	26.32	0.4285
2	15	20	380000	1900	DFT-s-OFDM QPSK	1@1	22.84	26.34	0.4305
2	15	20	380000	1900	DFT-s-OFDM QPSK	1@104	22.96	26.46	0.4426
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	50@25	21.81	25.31	0.3396
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	1@1	21.64	25.14	0.3266
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	1@104	21.73	25.23	0.3334
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	50@25	20.34	23.84	0.2421
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	1@1	20.38	23.88	0.2443
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	1@104	20.49	23.99	0.2506
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	50@25	18.2	21.7	0.1479
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	1@1	17.74	21.24	0.1330
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	1@104	17.75	21.25	0.1334
2	15	20	380000	1900	CP-OFDM QPSK	53@26	21.23	24.73	0.2972
2	15	20	380000	1900	CP-OFDM QPSK	1@1	21.26	24.76	0.2992
2	15	20	380000	1900	CP-OFDM QPSK	1@104	21.22	24.72	0.2965



5G NR n5

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
5	15	5	165300	826.5	DFT-s-OFDM PI/2 BPSK	1@1	22.33	22.88	0.1941
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@1	22.62	23.17	0.2075
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@1	21.47	22.02	0.1592
5	15	5	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	22.14	22.69	0.1858
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@1	22.16	22.71	0.1866
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@1	21.31	21.86	0.1535
5	15	5	169300	846.5	DFT-s-OFDM PI/2 BPSK	1@1	21.9	22.45	0.1758
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@1	22.17	22.72	0.1871
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@1	21.03	21.58	0.1439
5	15	10	165800	829	DFT-s-OFDM PI/2 BPSK	1@1	22.31	22.86	0.1932
5	15	10	165800	829	DFT-s-OFDM QPSK	1@1	22.42	22.97	0.1982
5	15	10	165800	829	DFT-s-OFDM 16 QAM	1@1	21.4	21.95	0.1567
5	15	10	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	22.23	22.78	0.1897
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@1	22.34	22.89	0.1945
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@1	21.35	21.9	0.1549
5	15	10	168800	844	DFT-s-OFDM PI/2 BPSK	1@1	22.02	22.57	0.1807
5	15	10	168800	844	DFT-s-OFDM QPSK	1@1	22.24	22.79	0.1901
5	15	10	168800	844	DFT-s-OFDM 16 QAM	1@1	21.16	21.71	0.1483
5	15	15	166300	831.5	DFT-s-OFDM PI/2 BPSK	1@1	22.39	22.94	0.1968
5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@1	22.53	23.08	0.2032
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@1	21.44	21.99	0.1581
5	15	15	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	22.39	22.94	0.1968
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@1	22.56	23.11	0.2046
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@1	21.45	22	0.1585
5	15	15	168300	841.5	DFT-s-OFDM PI/2 BPSK	1@1	22.21	22.76	0.1888
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@1	22.45	23	0.1995
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@1	21.36	21.91	0.1552
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	50@25	22.36	22.91	0.1954
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@1	22.37	22.92	0.1959
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@104	22.06	22.61	0.1824
5	15	20	166800	834	DFT-s-OFDM QPSK	50@25	22.33	22.88	0.1941
5	15	20	166800	834	DFT-s-OFDM QPSK	1@1	22.54	23.09	0.2037
5	15	20	166800	834	DFT-s-OFDM QPSK	1@104	22.16	22.71	0.1866
5	15	20	166800	834	DFT-s-OFDM 16 QAM	50@25	21.29	21.84	0.1528
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@1	21.5	22.05	0.1603
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@104	21.21	21.76	0.1500
5	15	20	166800	834	DFT-s-OFDM 64 QAM	50@25	19.87	20.42	0.1102
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@1	20.06	20.61	0.1151
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@104	19.76	20.31	0.1074
5	15	20	166800	834	DFT-s-OFDM 256 QAM	50@25	17.54	18.09	0.0644
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@1	17.67	18.22	0.0664
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@104	17.38	17.93	0.0621
5	15	20	166800	834	CP-OFDM QPSK	53@26	20.85	21.4	0.1380
5	15	20	166800	834	CP-OFDM QPSK	1@1	20.94	21.49	0.1409
5	15	20	166800	834	CP-OFDM QPSK	1@104	20.24	20.79	0.1199
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	50@25	22.38	22.93	0.1963
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	22.43	22.98	0.1986
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@104	21.92	22.47	0.1766



5	15	20	167300	836.5	DFT-s-OFDM QPSK	50@25	22.32	22.87	0.1936
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	22.5	23.05	0.2018
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@104	22.16	22.71	0.1866
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	50@25	21.26	21.81	0.1517
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@1	21.51	22.06	0.1607
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@104	21.13	21.68	0.1472
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	50@25	19.8	20.35	0.1084
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@1	20.08	20.63	0.1156
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@104	19.72	20.27	0.1064
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	50@25	17.62	18.17	0.0656
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@1	17.72	18.27	0.0671
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@104	17.36	17.91	0.0618
5	15	20	167300	836.5	CP-OFDM QPSK	53@26	20.82	21.37	0.1371
5	15	20	167300	836.5	CP-OFDM QPSK	1@1	21.02	21.57	0.1435
5	15	20	167300	836.5	CP-OFDM QPSK	1@104	20.51	21.06	0.1276
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	50@25	22.31	22.86	0.1932
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@1	22.36	22.91	0.1954
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@104	21.75	22.3	0.1698
5	15	20	167800	839	DFT-s-OFDM QPSK	50@25	22.24	22.79	0.1901
5	15	20	167800	839	DFT-s-OFDM QPSK	1@1	22.35	22.9	0.1950
5	15	20	167800	839	DFT-s-OFDM QPSK	1@104	21.81	22.36	0.1722
5	15	20	167800	839	DFT-s-OFDM 16 QAM	50@25	21.19	21.74	0.1493
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@1	21.5	22.05	0.1603
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@104	21.04	21.59	0.1442
5	15	20	167800	839	DFT-s-OFDM 64 QAM	50@25	19.8	20.35	0.1084
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@1	20.04	20.59	0.1146
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@104	19.54	20.09	0.1021
5	15	20	167800	839	DFT-s-OFDM 256 QAM	50@25	17.7	18.25	0.0668
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@1	17.65	18.2	0.0661
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@104	17.25	17.8	0.0603
5	15	20	167800	839	CP-OFDM QPSK	53@26	20.77	21.32	0.1355
5	15	20	167800	839	CP-OFDM QPSK	1@1	20.99	21.54	0.1426
5	15	20	167800	839	CP-OFDM QPSK	1@104	20.44	20.99	0.1256

5G NR n25

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
25	15	5	370500	1852.5	DFT-s-OFDM PI/2 BPSK	1@1	20.97	24.47	0.2799
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@1	21.04	24.54	0.2844
25	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@1	20.1	23.6	0.2291
25	15	5	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	20.69	24.19	0.2624
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@1	20.78	24.28	0.2679
25	15	5	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	19.8	23.3	0.2138
25	15	5	382500	1912.5	DFT-s-OFDM PI/2 BPSK	1@1	20.67	24.17	0.2612
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@1	20.93	24.43	0.2773
25	15	5	382500	1912.5	DFT-s-OFDM 16 QAM	1@1	19.79	23.29	0.2133
25	15	10	371000	1855	DFT-s-OFDM PI/2 BPSK	1@1	20.96	24.46	0.2793
25	15	10	371000	1855	DFT-s-OFDM QPSK	1@1	21.03	24.53	0.2838
25	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@1	19.98	23.48	0.2228
25	15	10	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	20.63	24.13	0.2588



25	15	10	376500	1882.5	DFT-s-OFDM QPSK	1@1	20.84	24.34	0.2716
25	15	10	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	19.75	23.25	0.2113
25	15	10	382000	1910	DFT-s-OFDM PI/2 BPSK	1@1	20.58	24.08	0.2559
25	15	10	382000	1910	DFT-s-OFDM QPSK	1@1	20.77	24.27	0.2673
25	15	10	382000	1910	DFT-s-OFDM 16 QAM	1@1	19.79	23.29	0.2133
25	15	15	371500	1857.5	DFT-s-OFDM PI/2 BPSK	1@1	21.03	24.53	0.2838
25	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@1	21.19	24.69	0.2944
25	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@1	20.1	23.6	0.2291
25	15	15	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	20.79	24.29	0.2685
25	15	15	376500	1882.5	DFT-s-OFDM QPSK	1@1	20.98	24.48	0.2805
25	15	15	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	19.96	23.46	0.2218
25	15	15	381500	1907.5	DFT-s-OFDM PI/2 BPSK	1@1	20.69	24.19	0.2624
25	15	15	381500	1907.5	DFT-s-OFDM QPSK	1@1	20.88	24.38	0.2742
25	15	15	381500	1907.5	DFT-s-OFDM 16 QAM	1@1	19.81	23.31	0.2143
25	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	50@25	20.99	24.49	0.2812
25	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@1	20.95	24.45	0.2786
25	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@104	20.82	24.32	0.2704
25	15	20	372000	1860	DFT-s-OFDM QPSK	50@25	20.98	24.48	0.2805
25	15	20	372000	1860	DFT-s-OFDM QPSK	1@1	21	24.5	0.2818
25	15	20	372000	1860	DFT-s-OFDM QPSK	1@104	21.07	24.57	0.2864
25	15	20	372000	1860	DFT-s-OFDM 16 QAM	50@25	20	23.5	0.2239
25	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@1	20.08	23.58	0.2280
25	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@104	19.9	23.4	0.2188
25	15	20	372000	1860	DFT-s-OFDM 64 QAM	50@25	18.52	22.02	0.1592
25	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@1	18.68	22.18	0.1652
25	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@104	18.57	22.07	0.1611
25	15	20	372000	1860	DFT-s-OFDM 256 QAM	50@25	16.43	19.93	0.0984
25	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@1	16.23	19.73	0.0940
25	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@104	16.07	19.57	0.0906
25	15	20	372000	1860	CP-OFDM QPSK	53@26	19.57	23.07	0.2028
25	15	20	372000	1860	CP-OFDM QPSK	1@1	19.7	23.2	0.2089
25	15	20	372000	1860	CP-OFDM QPSK	1@104	19.44	22.94	0.1968
25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	50@25	20.82	24.32	0.2704
25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	20.78	24.28	0.2679
25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@104	20.65	24.15	0.2600
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	50@25	20.83	24.33	0.2710
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@1	20.96	24.46	0.2793
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@104	20.87	24.37	0.2735
25	15	20	376500	1882.5	DFT-s-OFDM 16 QAM	50@25	19.79	23.29	0.2133
25	15	20	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	19.84	23.34	0.2158
25	15	20	376500	1882.5	DFT-s-OFDM 16 QAM	1@104	19.78	23.28	0.2128
25	15	20	376500	1882.5	DFT-s-OFDM 64 QAM	50@25	18.31	21.81	0.1517
25	15	20	376500	1882.5	DFT-s-OFDM 64 QAM	1@1	18.51	22.01	0.1589
25	15	20	376500	1882.5	DFT-s-OFDM 64 QAM	1@104	18.33	21.83	0.1524
25	15	20	376500	1882.5	DFT-s-OFDM 256 QAM	50@25	16.15	19.65	0.0923
25	15	20	376500	1882.5	DFT-s-OFDM 256 QAM	1@1	16.1	19.6	0.0912
25	15	20	376500	1882.5	DFT-s-OFDM 256 QAM	1@104	16	19.5	0.0891
25	15	20	376500	1882.5	CP-OFDM QPSK	53@26	19.28	22.78	0.1897
25	15	20	376500	1882.5	CP-OFDM QPSK	1@1	19.7	23.2	0.2089
25	15	20	376500	1882.5	CP-OFDM QPSK	1@104	19.28	22.78	0.1897



25	15	20	381000	1905	DFT-s-OFDM PI/2 BPSK	50@25	20.81	24.31	0.2698
25	15	20	381000	1905	DFT-s-OFDM PI/2 BPSK	1@1	20.69	24.19	0.2624
25	15	20	381000	1905	DFT-s-OFDM PI/2 BPSK	1@104	20.71	24.21	0.2636
25	15	20	381000	1905	DFT-s-OFDM QPSK	50@25	20.86	24.36	0.2729
25	15	20	381000	1905	DFT-s-OFDM QPSK	1@1	20.75	24.25	0.2661
25	15	20	381000	1905	DFT-s-OFDM QPSK	1@104	20.8	24.3	0.2692
25	15	20	381000	1905	DFT-s-OFDM 16 QAM	50@25	19.78	23.28	0.2128
25	15	20	381000	1905	DFT-s-OFDM 16 QAM	1@1	19.84	23.34	0.2158
25	15	20	381000	1905	DFT-s-OFDM 16 QAM	1@104	19.93	23.43	0.2203
25	15	20	381000	1905	DFT-s-OFDM 64 QAM	50@25	18.34	21.84	0.1528
25	15	20	381000	1905	DFT-s-OFDM 64 QAM	1@1	18.46	21.96	0.1570
25	15	20	381000	1905	DFT-s-OFDM 64 QAM	1@104	18.48	21.98	0.1578
25	15	20	381000	1905	DFT-s-OFDM 256 QAM	50@25	15.98	19.48	0.0887
25	15	20	381000	1905	DFT-s-OFDM 256 QAM	1@1	15.99	19.49	0.0889
25	15	20	381000	1905	DFT-s-OFDM 256 QAM	1@104	16.06	19.56	0.0904
25	15	20	381000	1905	CP-OFDM QPSK	53@26	19.35	22.85	0.1928
25	15	20	381000	1905	CP-OFDM QPSK	1@1	19.36	22.86	0.1932
25	15	20	381000	1905	CP-OFDM QPSK	1@104	19.36	22.86	0.1932

5G NR n66

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
66	15	5	342500	1712.5	DFT-s-OFDM PI/2 BPSK	1@1	22.93	26.43	0.4395
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@1	23.04	26.54	0.4508
66	15	5	342500	1712.5	DFT-s-OFDM 16 QAM	1@1	22.04	25.54	0.3581
66	15	5	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	22.58	26.08	0.4055
66	15	5	349000	1745	DFT-s-OFDM QPSK	1@1	22.85	26.35	0.4315
66	15	5	349000	1745	DFT-s-OFDM 16 QAM	1@1	21.69	25.19	0.3304
66	15	5	355500	1777.5	DFT-s-OFDM PI/2 BPSK	1@1	23.32	26.82	0.4808
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@1	23.43	26.93	0.4932
66	15	5	355500	1777.5	DFT-s-OFDM 16 QAM	1@1	22.94	26.44	0.4406
66	15	10	343000	1715	DFT-s-OFDM PI/2 BPSK	1@1	22.9	26.4	0.4365
66	15	10	343000	1715	DFT-s-OFDM QPSK	1@1	23.08	26.58	0.4550
66	15	10	343000	1715	DFT-s-OFDM 16 QAM	1@1	22.01	25.51	0.3556
66	15	10	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	22.64	26.14	0.4111
66	15	10	349000	1745	DFT-s-OFDM QPSK	1@1	22.63	26.13	0.4102
66	15	10	349000	1745	DFT-s-OFDM 16 QAM	1@1	21.64	25.14	0.3266
66	15	10	355000	1775	DFT-s-OFDM PI/2 BPSK	1@1	23.36	26.86	0.4853
66	15	10	355000	1775	DFT-s-OFDM QPSK	1@1	23.43	26.93	0.4932
66	15	10	355000	1775	DFT-s-OFDM 16 QAM	1@1	22.73	26.23	0.4198
66	15	15	343500	1717.5	DFT-s-OFDM PI/2 BPSK	1@1	22.96	26.46	0.4426
66	15	15	343500	1717.5	DFT-s-OFDM QPSK	1@1	23.15	26.65	0.4624
66	15	15	343500	1717.5	DFT-s-OFDM 16 QAM	1@1	22.05	25.55	0.3589
66	15	15	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	22.65	26.15	0.4121
66	15	15	349000	1745	DFT-s-OFDM QPSK	1@1	22.65	26.15	0.4121
66	15	15	349000	1745	DFT-s-OFDM 16 QAM	1@1	21.58	25.08	0.3221
66	15	15	354500	1772.5	DFT-s-OFDM PI/2 BPSK	1@1	23.31	26.81	0.4797
66	15	15	354500	1772.5	DFT-s-OFDM QPSK	1@1	23.37	26.87	0.4864
66	15	15	354500	1772.5	DFT-s-OFDM 16 QAM	1@1	22.57	26.07	0.4046
66	15	20	344000	1720	DFT-s-OFDM PI/2 BPSK	1@1	22.95	26.45	0.4416



66	15	20	344000	1720	DFT-s-OFDM QPSK	1@1	23.11	26.61	0.4581
66	15	20	344000	1720	DFT-s-OFDM 16 QAM	1@1	22.08	25.58	0.3614
66	15	20	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	22.75	26.25	0.4217
66	15	20	349000	1745	DFT-s-OFDM QPSK	1@1	22.84	26.34	0.4305
66	15	20	349000	1745	DFT-s-OFDM 16 QAM	1@1	21.84	25.34	0.3420
66	15	20	354000	1770	DFT-s-OFDM PI/2 BPSK	1@1	23.24	26.74	0.4721
66	15	20	354000	1770	DFT-s-OFDM QPSK	1@1	23.44	26.94	0.4943
66	15	20	354000	1770	DFT-s-OFDM 16 QAM	1@1	22.35	25.85	0.3846
66	15	30	345000	1725	DFT-s-OFDM PI/2 BPSK	80@40	23.21	26.71	0.4688
66	15	30	345000	1725	DFT-s-OFDM PI/2 BPSK	1@1	23.26	26.76	0.4742
66	15	30	345000	1725	DFT-s-OFDM PI/2 BPSK	1@158	22.99	26.49	0.4457
66	15	30	345000	1725	DFT-s-OFDM QPSK	80@40	23.16	26.66	0.4634
66	15	30	345000	1725	DFT-s-OFDM QPSK	1@1	23.22	26.72	0.4699
66	15	30	345000	1725	DFT-s-OFDM QPSK	1@158	23.02	26.52	0.4487
66	15	30	345000	1725	DFT-s-OFDM 16 QAM	80@40	22.09	25.59	0.3622
66	15	30	345000	1725	DFT-s-OFDM 16 QAM	1@1	22.22	25.72	0.3733
66	15	30	345000	1725	DFT-s-OFDM 16 QAM	1@158	22.07	25.57	0.3606
66	15	30	345000	1725	DFT-s-OFDM 64 QAM	80@40	20.69	24.19	0.2624
66	15	30	345000	1725	DFT-s-OFDM 64 QAM	1@1	20.85	24.35	0.2723
66	15	30	345000	1725	DFT-s-OFDM 64 QAM	1@158	20.65	24.15	0.2600
66	15	30	345000	1725	DFT-s-OFDM 256 QAM	80@40	18.66	22.16	0.1644
66	15	30	345000	1725	DFT-s-OFDM 256 QAM	1@1	18.23	21.73	0.1489
66	15	30	345000	1725	DFT-s-OFDM 256 QAM	1@158	18.11	21.61	0.1449
66	15	30	345000	1725	CP-OFDM QPSK	80@40	21.63	25.13	0.3258
66	15	30	345000	1725	CP-OFDM QPSK	1@1	21.68	25.18	0.3296
66	15	30	345000	1725	CP-OFDM QPSK	1@158	21.55	25.05	0.3199
66	15	30	349000	1745	DFT-s-OFDM PI/2 BPSK	80@40	22.9	26.4	0.4365
66	15	30	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	23.02	26.52	0.4487
66	15	30	349000	1745	DFT-s-OFDM PI/2 BPSK	1@158	23.32	26.82	0.4808
66	15	30	349000	1745	DFT-s-OFDM QPSK	80@40	22.95	26.45	0.4416
66	15	30	349000	1745	DFT-s-OFDM QPSK	1@1	23.02	26.52	0.4487
66	15	30	349000	1745	DFT-s-OFDM QPSK	1@158	23.4	26.9	0.4898
66	15	30	349000	1745	DFT-s-OFDM 16 QAM	80@40	21.93	25.43	0.3491
66	15	30	349000	1745	DFT-s-OFDM 16 QAM	1@1	21.93	25.43	0.3491
66	15	30	349000	1745	DFT-s-OFDM 16 QAM	1@158	22.29	25.79	0.3793
66	15	30	349000	1745	DFT-s-OFDM 64 QAM	80@40	20.46	23.96	0.2489
66	15	30	349000	1745	DFT-s-OFDM 64 QAM	1@1	20.61	24.11	0.2576
66	15	30	349000	1745	DFT-s-OFDM 64 QAM	1@158	20.95	24.45	0.2786
66	15	30	349000	1745	DFT-s-OFDM 256 QAM	80@40	18.22	21.72	0.1486
66	15	30	349000	1745	DFT-s-OFDM 256 QAM	1@1	18.05	21.55	0.1429
66	15	30	349000	1745	DFT-s-OFDM 256 QAM	1@158	18.47	21.97	0.1574
66	15	30	349000	1745	CP-OFDM QPSK	80@40	21.45	24.95	0.3126
66	15	30	349000	1745	CP-OFDM QPSK	1@1	21.62	25.12	0.3251
66	15	30	349000	1745	CP-OFDM QPSK	1@158	21.79	25.29	0.3381
66	15	30	353000	1765	DFT-s-OFDM PI/2 BPSK	80@40	23.38	26.88	0.4875
66	15	30	353000	1765	DFT-s-OFDM PI/2 BPSK	1@1	23.16	26.66	0.4634
66	15	30	353000	1765	DFT-s-OFDM PI/2 BPSK	1@158	23.46	26.96	0.4966
66	15	30	353000	1765	DFT-s-OFDM QPSK	80@40	23.34	26.84	0.4831
66	15	30	353000	1765	DFT-s-OFDM QPSK	1@1	23.16	26.66	0.4634
66	15	30	353000	1765	DFT-s-OFDM QPSK	1@158	23.42	26.92	0.4920



66	15	30	353000	1765	DFT-s-OFDM 16 QAM	80@40	22.56	26.06	0.4036
66	15	30	353000	1765	DFT-s-OFDM 16 QAM	1@1	22	25.5	0.3548
66	15	30	353000	1765	DFT-s-OFDM 16 QAM	1@158	23.02	26.52	0.4487
66	15	30	353000	1765	DFT-s-OFDM 64 QAM	80@40	21.11	24.61	0.2891
66	15	30	353000	1765	DFT-s-OFDM 64 QAM	1@1	20.6	24.1	0.2570
66	15	30	353000	1765	DFT-s-OFDM 64 QAM	1@158	21.67	25.17	0.3289
66	15	30	353000	1765	DFT-s-OFDM 256 QAM	80@40	17.56	21.06	0.1276
66	15	30	353000	1765	DFT-s-OFDM 256 QAM	1@1	17.97	21.47	0.1403
66	15	30	353000	1765	DFT-s-OFDM 256 QAM	1@158	19.2	22.7	0.1862
66	15	30	353000	1765	CP-OFDM QPSK	80@40	22.13	25.63	0.3656
66	15	30	353000	1765	CP-OFDM QPSK	1@1	21.47	24.97	0.3141
66	15	30	353000	1765	CP-OFDM QPSK	1@158	22.56	26.06	0.4036

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NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
71	15	5	133100	665.5	DFT-s-OFDM PI/2 BPSK	1@1	22.47	22.12	0.1629
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@1	22.61	22.26	0.1683
71	15	5	133100	665.5	DFT-s-OFDM 16 QAM	1@1	21.65	21.3	0.1349
71	15	5	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	22.41	22.06	0.1607
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@1	22.62	22.27	0.1687
71	15	5	136100	680.5	DFT-s-OFDM 16 QAM	1@1	21.56	21.21	0.1321
71	15	5	139100	695.5	DFT-s-OFDM PI/2 BPSK	1@1	22.53	22.18	0.1652
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@1	22.6	22.25	0.1679
71	15	5	139100	695.5	DFT-s-OFDM 16 QAM	1@1	21.66	21.31	0.1352
71	15	10	133600	668	DFT-s-OFDM PI/2 BPSK	1@1	22.56	22.21	0.1663
71	15	10	133600	668	DFT-s-OFDM QPSK	1@1	22.75	22.4	0.1738
71	15	10	133600	668	DFT-s-OFDM 16 QAM	1@1	21.68	21.33	0.1358
71	15	10	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	22.44	22.09	0.1618
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@1	22.64	22.29	0.1694
71	15	10	136100	680.5	DFT-s-OFDM 16 QAM	1@1	21.6	21.25	0.1334
71	15	10	138600	693	DFT-s-OFDM PI/2 BPSK	1@1	22.56	22.21	0.1663
71	15	10	138600	693	DFT-s-OFDM QPSK	1@1	22.87	22.52	0.1786
71	15	10	138600	693	DFT-s-OFDM 16 QAM	1@1	21.72	21.37	0.1371
71	15	15	134100	670.5	DFT-s-OFDM PI/2 BPSK	1@1	22.58	22.23	0.1671
71	15	15	134100	670.5	DFT-s-OFDM QPSK	1@1	22.74	22.39	0.1734
71	15	15	134100	670.5	DFT-s-OFDM 16 QAM	1@1	21.75	21.4	0.1380
71	15	15	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	22.53	22.18	0.1652
71	15	15	136100	680.5	DFT-s-OFDM QPSK	1@1	22.63	22.28	0.1690
71	15	15	136100	680.5	DFT-s-OFDM 16 QAM	1@1	21.68	21.33	0.1358
71	15	15	138100	690.5	DFT-s-OFDM PI/2 BPSK	1@1	22.61	22.26	0.1683
71	15	15	138100	690.5	DFT-s-OFDM QPSK	1@1	22.77	22.42	0.1746
71	15	15	138100	690.5	DFT-s-OFDM 16 QAM	1@1	21.68	21.33	0.1358
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	50@25	22.63	22.28	0.1690
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@1	22.53	22.18	0.1652
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@104	22.36	22.01	0.1589
71	15	20	134600	673	DFT-s-OFDM QPSK	50@25	22.63	22.28	0.1690
71	15	20	134600	673	DFT-s-OFDM QPSK	1@1	22.75	22.4	0.1738
71	15	20	134600	673	DFT-s-OFDM QPSK	1@104	22.43	22.08	0.1614
71	15	20	134600	673	DFT-s-OFDM 16 QAM	50@25	21.61	21.26	0.1337



71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@1	21.72	21.37	0.1371
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@104	21.48	21.13	0.1297
71	15	20	134600	673	DFT-s-OFDM 64 QAM	50@25	20.16	19.81	0.0957
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@1	20.33	19.98	0.0995
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@104	20.22	19.87	0.0971
71	15	20	134600	673	DFT-s-OFDM 256 QAM	50@25	17.82	17.47	0.0558
71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@1	17.88	17.53	0.0566
71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@104	17.79	17.44	0.0555
71	15	20	134600	673	CP-OFDM QPSK	53@26	21.07	20.72	0.1180
71	15	20	134600	673	CP-OFDM QPSK	1@1	21.22	20.87	0.1222
71	15	20	134600	673	CP-OFDM QPSK	1@104	21.03	20.68	0.1169
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	50@25	22.54	22.19	0.1656
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	22.52	22.17	0.1648
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@104	22.56	22.21	0.1663
71	15	20	136100	680.5	DFT-s-OFDM QPSK	50@25	22.55	22.2	0.1660
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@1	22.72	22.37	0.1726
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@104	22.54	22.19	0.1656
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	50@25	21.48	21.13	0.1297
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@1	21.72	21.37	0.1371
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@104	21.69	21.34	0.1361
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	50@25	20.05	19.7	0.0933
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@1	20.29	19.94	0.0986
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@104	20.23	19.88	0.0973
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	50@25	17.94	17.59	0.0574
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@1	17.86	17.51	0.0564
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@104	17.86	17.51	0.0564
71	15	20	136100	680.5	CP-OFDM QPSK	53@26	21.08	20.73	0.1183
71	15	20	136100	680.5	CP-OFDM QPSK	1@1	21.18	20.83	0.1211
71	15	20	136100	680.5	CP-OFDM QPSK	1@104	21.07	20.72	0.1180
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	50@25	22.56	22.21	0.1663
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	1@1	22.58	22.23	0.1671
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	1@104	22.59	22.24	0.1675
71	15	20	137600	688	DFT-s-OFDM QPSK	50@25	22.58	22.23	0.1671
71	15	20	137600	688	DFT-s-OFDM QPSK	1@1	22.73	22.38	0.1730
71	15	20	137600	688	DFT-s-OFDM QPSK	1@104	22.74	22.39	0.1734
71	15	20	137600	688	DFT-s-OFDM 16 QAM	50@25	21.56	21.21	0.1321
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@1	21.7	21.35	0.1365
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@104	21.73	21.38	0.1374
71	15	20	137600	688	DFT-s-OFDM 64 QAM	50@25	20.13	19.78	0.0951
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@1	20.27	19.92	0.0982
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@104	20.29	19.94	0.0986
71	15	20	137600	688	DFT-s-OFDM 256 QAM	50@25	18.04	17.69	0.0587
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@1	17.81	17.46	0.0557
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@104	17.94	17.59	0.0574
71	15	20	137600	688	CP-OFDM QPSK	53@26	21.14	20.79	0.1199
71	15	20	137600	688	CP-OFDM QPSK	1@1	21.18	20.83	0.1211
71	15	20	137600	688	CP-OFDM QPSK	1@104	21.21	20.86	0.1219



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jake zhou	Temperature :	23~25°C
		Relative Humidity :	53~58%

n5 SA / NR 20MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-70.19	-13	-57.19	-77.16	1.58	10.70	H
	2472	-62.16	-13	-49.16	-70.41	2.102	12.50	H
	3312	-66.61	-13	-53.61	-75.50	2.856	13.90	H
	1656	-69.78	-13	-56.78	-76.75	1.58	10.70	V
	2472	-64.81	-13	-51.81	-73.06	2.10	12.50	V
	3312	-66.59	-13	-53.59	-75.48	2.86	13.90	V

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

n25 SA / NR 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3750	-64.98	-13	-51.98	-77.24	2.64	14.90	H
	5625	-63.28	-13	-50.28	-75.14	2.94	14.80	H
	7500	-61.26	-13	-48.26	-71.03	3.39	13.16	H
	3750	-65.06	-13	-52.06	-77.32	2.64	14.90	V
	5625	-63.31	-13	-50.31	-75.17	2.94	14.80	V
	7500	-60.84	-13	-47.84	-70.61	3.39	13.16	V

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

n66 SA / NR 30MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-64.59	-13	-51.59	-75.33	2.604	13.34	H
	5205	-62.30	-13	-49.30	-72.81	3.011	13.52	H
	6945	-62.83	-13	-49.83	-73.03	3.271	13.47	H
	3465	-62.86	-13	-49.86	-73.60	2.604	13.34	V
	5205	-62.30	-13	-49.30	-72.81	3.011	13.52	V
	6945	-63.03	-13	-50.03	-73.23	3.271	13.47	V

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



n71 SA / NR 20MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1344	-72.14	-13	-59.14	-82.88	2.604	13.34	H
	2016	-67.63	-13	-54.63	-78.14	3.011	13.52	H
	2688	-65.47	-13	-52.47	-75.67	3.271	13.47	H
	1344	-71.03	-13	-58.03	-81.77	2.604	13.34	V
	2016	-67.63	-13	-54.63	-78.14	3.011	13.52	V
	2688	-65.68	-13	-52.68	-75.88	3.271	13.47	V

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

n2 SA / NR 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3735	-53.20	-13	-40.20	-65.46	2.64	14.90	H
	5610	-55.11	-13	-42.11	-66.97	2.94	14.80	H
	7485	-51.90	-13	-38.90	-61.67	3.39	13.16	H
	3735	-46.36	-13	-33.36	-58.62	2.64	14.90	V
	5610	-55.38	-13	-42.38	-67.24	2.94	14.80	V
	7485	-51.95	-13	-38.95	-61.72	3.39	13.16	V

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