



FCC RF Test Report

APPLICANT : Franklin Technology Inc.
EQUIPMENT : Mobile Hotspot
MODEL NAME : RG2100
FCC ID : XHG-RG2100
STANDARD : 47 CFR Part 2, Part 27 Subpart Q
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Aug. 24, 2022

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.

This product installed a RF module (Model Name: M2500, FCC ID: XHG-M2500) during the test, only EIRP and RSE test items are tested in this report, all the other test results are leveraged from module RF report.

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
FG262007-01G	Rev. 01	Initial issue of report	Sep. 09, 2022



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	§2.1046	Conducted Output Power	—	Report Only	-
-	§27.50 (k)(4)	Peak-to-Average Ratio	<13dB	PASS	1
3.2	§27.50 (k)(3)	EIRP	EIRP < 1W (30dBm)	PASS	-
-	§2.1049	Occupied Bandwidth	—	Report Only	1
-	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement	-13dBm/MHz	PASS	1
-	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission	-13dBm/MHz	PASS	1
-	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within the band	PASS	1
4.4	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission	-13dBm/MHz	PASS	Under limit 17.76 dB at 10356.000 MHz

Remark 1:

All test results were leveraged from module RF report which can refer to Report No. FG262007G.

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Applicant

Franklin Technology Inc.

906 JEI Platz, 186, Gasan digital 1-ro, Gumcheon-Gu, Seoul, South Korea, 08502

1.2 Manufacturer

Franklin Technology Inc.

906 JEI Platz, 186, Gasan digital 1-ro, Gumcheon-Gu, Seoul, South Korea, 08502

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Hotspot
Model Name	RG2100
FCC ID	XHG-RG2100
IMEI Code	Radiation : 358563790000959
HW Version	P1
SW Version	RG2100.TM.1354
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Product Feature	
Tx/Rx Frequency	5G NR n77: 3450 MHz ~ 3550 MHz
SCS	30kHz
Bandwidth	10MHz / 15MHz / 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz
Maximum Output Power to Antenna	5G NR n77 : 24.63 dBm
Antenna Gain	5G NR n77 : -1.49 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark: 5G NR n77 supports HPUE mode and SA mode only.

1.5 Modification of EUT

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

1.6 Maximum EIRP Power

5G NR n77		PI/2 BPSK / QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
100	3500.01 ~ 3500.01	0.2061	0.1524

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

1.7 Testing Site

Sporton International Inc. (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 FAX : +86-512-57900958		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH04-KS	CN1257	314309

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH04-KS	AUDIX	E3	6.2009-8-24a



1.9 Applied Standards

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

- ♦ 47 CFR Part 2, Part 27 Subpart Q
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 Power Meas License Digital Systems D01 v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

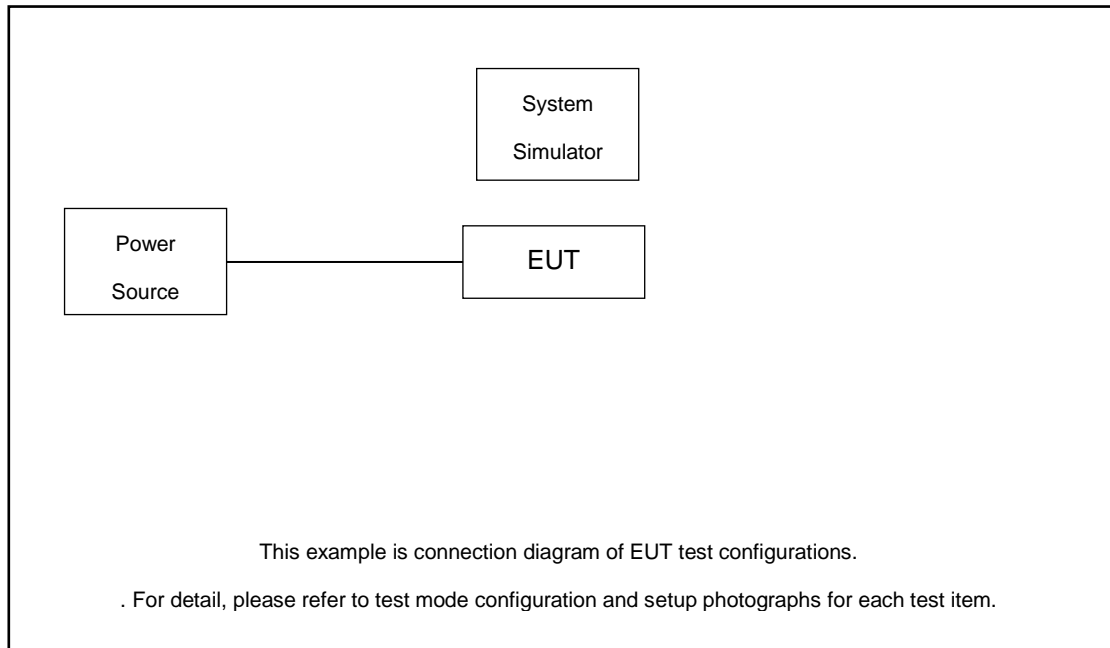
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission. (Z-Plane)

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

Note:

1. 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. 5G NR n77 overlaps the entire frequency range of n78, Therefore, the test results provided in this report covers n77 as well as n78.
3. Frequency Stability: Normal Voltage = 3.8V ; Low Voltage =3.6V.; High Voltage =4.2V

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	N/A	N/A	Unshielded, 1.8 m
2.	Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m

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	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

3 Conducted Test Items

3.1 Conducted Output Power Measurement

3.1.1 Description of the Conducted Output Power Measurement

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

3.1.2 Test Procedures

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

3.1.3 Test Result

Please refer to Appendix A.

3.2 EIRP

3.2.1 Description of EIRP Limit

§ 27.50 (k)(3)

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

3.2.2 Test Procedures

1. According to KDB 412172 D01 Power Approach,
2. $EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where
 P_T = transmitter output power in dBm
 G_T = gain of the transmitting antenna in dBi
 L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.2.3 Test Result

Please refer to Appendix A.

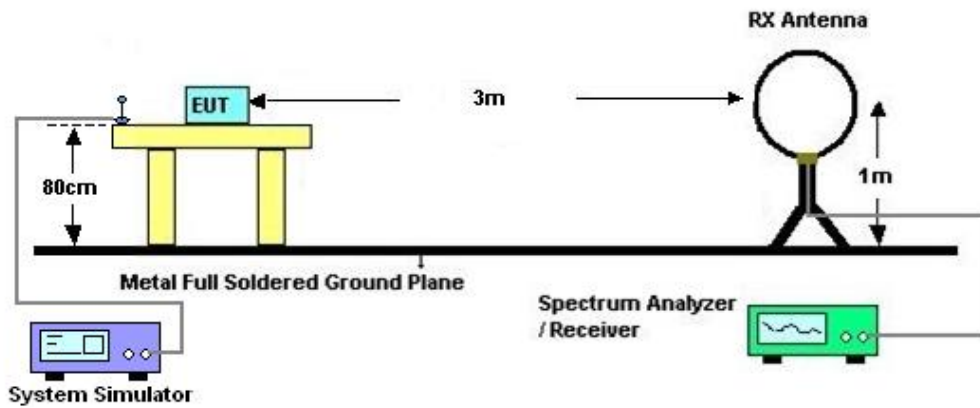
4 Radiated Test Items

4.1 Measuring Instruments

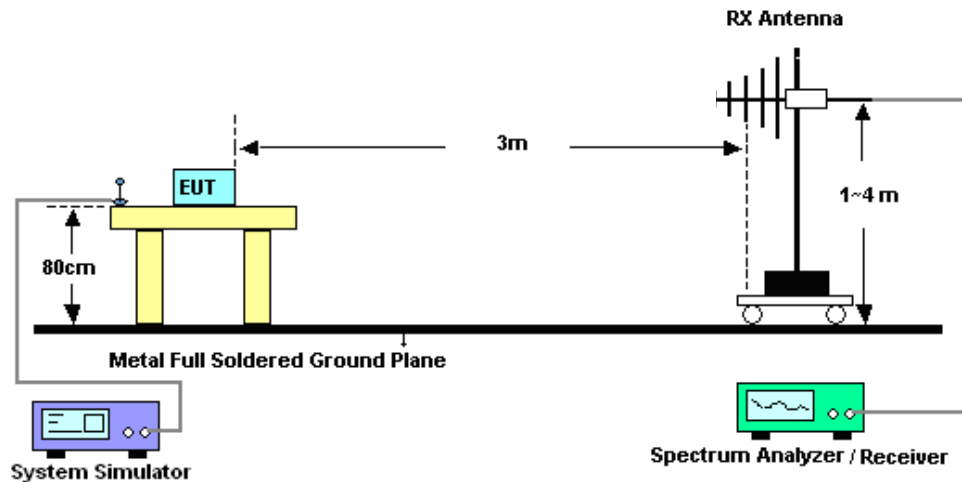
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.

4.4 Radiated Spurious Emission Measurement

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI/TIA-603-E. The power of any emission outside of the authorized operating frequency ranges shall not exceed -13 dBm/MHz.

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

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
1. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
$$\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$$
$$\text{ERP (dBm)} = \text{EIRP} - 2.15$$
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EXA Spectrum Analyzer	Keysight	N9010B	MY57541079	10Hz-44G,MAX 30dB	Oct. 14, 2021	Aug. 24, 2022	Oct. 13, 2022	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 30, 2021	Aug. 24, 2022	Oct. 29, 2022	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	May 30, 2022	Aug. 24, 2022	May 29, 2023	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1284	1GHz~18GHz	Oct. 18, 2021	Aug. 24, 2022	Oct. 17, 2022	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2022	Aug. 24, 2022	Jan. 04, 2023	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Jan. 05, 2022	Aug. 24, 2022	Jan. 04, 2023	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40G GA	060728	18~40GHz	Jan. 05, 2022	Aug. 24, 2022	Jan. 04, 2023	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060839	1Ghz-18Ghz	Oct. 14, 2021	Aug. 24, 2022	Oct. 13, 2022	Radiation (03CH04-KS)
Amplifier	Keysight	83017A	MY57280106	500MHz~26.5GHz	Oct. 13, 2021	Aug. 24, 2022	Oct. 12, 2022	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Sep. 08, 2022	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Aug. 24, 2022	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Aug. 24, 2022	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required

6 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage $K=2$ to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.3dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.8dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.8dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

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

Conducted Output Power(Average power) and EIRP

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	24.58	23.09	0.2037
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	23.22	21.73	0.1489
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.51	23.02	0.2004
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.47	21.98	0.1578
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	24.24	22.75	0.1884
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	23.26	21.77	0.1503
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	24.54	23.05	0.2018
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	23.54	22.05	0.1603
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.43	22.94	0.1968
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.7	22.21	0.1663
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	24.44	22.95	0.1972
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	23.53	22.04	0.1600
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	24.58	23.09	0.2037
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	23.63	22.14	0.1637
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.43	22.94	0.1968
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.72	22.23	0.1671
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	24.43	22.94	0.1968
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	23.5	22.01	0.1589
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	24.6	23.11	0.2046
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	23.69	22.2	0.1660
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.58	23.09	0.2037
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.77	22.28	0.1690
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	24.54	23.05	0.2018
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	23.74	22.25	0.1679
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	24.55	23.06	0.2023
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	23.74	22.25	0.1679



77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.49	23	0.1995
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.86	22.37	0.1726
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	24.02	22.53	0.1791
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	23.84	22.35	0.1718
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	24.35	22.86	0.1932
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	23.47	21.98	0.1578
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.49	23	0.1995
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.63	22.14	0.1637
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	24.62	23.13	0.2056
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	23.73	22.24	0.1675
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	24.45	22.96	0.1977
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	23.72	22.23	0.1671
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.41	22.92	0.1959
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.5	22.01	0.1589
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	24.6	23.11	0.2046
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	23.68	22.19	0.1656
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	24.4	22.91	0.1954
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	23.37	21.88	0.1542
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.32	22.83	0.1919
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.55	22.06	0.1607
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	24.41	22.92	0.1959
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	23.58	22.09	0.1618
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	24.18	22.69	0.1858
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	23.35	21.86	0.1535
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.24	22.75	0.1884
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.42	21.93	0.1560
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	24.29	22.8	0.1905
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	23.48	21.99	0.1581
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	24.25	22.76	0.1888
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	23.49	22	0.1585
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.23	22.74	0.1879
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.42	21.93	0.1560
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	24.3	22.81	0.1910
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	23.4	21.91	0.1552



77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	24.63	23.14	0.2061
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.34	22.85	0.1928
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	24.03	22.54	0.1795
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.2	22.71	0.1866
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	23.92	22.43	0.1750
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	23.3	21.81	0.1517
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.32	21.83	0.1524
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	23.12	21.63	0.1455
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	21.74	20.25	0.1059
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.77	20.28	0.1067
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	21.52	20.03	0.1007
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	19.89	18.4	0.0692
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.58	18.09	0.0644
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	19.37	17.88	0.0614
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	22.82	21.33	0.1358
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	22.69	21.2	0.1318
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	22.44	20.95	0.1245



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

5G NR n77 / 100MHz / 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	6900	-38.06	-13	-25.06	-48.54	2.76	13.24	H
	10356	-34.36	-13	-21.36	-43.95	3.42	13.01	H
	13806	-38.62	-13	-25.62	-48.23	3.83	13.44	H
	6900	-38.02	-13	-25.02	-48.46	2.80	13.24	V
	10356	-30.76	-13	-17.76	-40.31	3.46	13.01	V
	13806	-42.14	-13	-29.14	-51.70	3.88	13.44	V

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