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 96
CLASSIFICATION	:	Citizens Band End User Devices (CBE)
EQUIPMENT TYPE	:	End User Equipment
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 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

ACCREDITED
Cert #5145.01

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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History of this test report

Report No.	Version	Description	Issued Date
FG4D0656G	01	Initial issue of report	Feb. 17, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.3	§2.1046	Conducted Output Power	Pass	-
3.4	§96.41	Maximum E.I.R.P		-
4.4	§2.1051 §96.41	Radiated Spurious Emission	Pass	Under limit 9.79 dB at 14501.80 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/manufacturer 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 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
Tx Frequency	LTE Band 48: 3550 MHz ~ 3700 MHz
Rx Frequency	LTE Band 48: 3550 MHz ~ 3700 MHz
Bandwidth	5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 48: 15.76 dBm LTE Band CA_48B: 16.32 dBm LTE Band CA_48C: 16.81 dBm
Antenna Gain	<Ant.1>: 3.24 dBi
Antenna Type	Dipole Antenna
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM
IMEI Code	Conducted: 357214899990622 Radiation: 866838070003881
HW Version	RG650V-NA
SW Version	RG650VNA01AAR01A04G8G
EUT Stage	Production Unit

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Maximum Conducted Power

LTE Band 48		QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Maximum Conducted power (W)
5	3552.5~3697.5	0.0368	0.0366
10	3555~3695	0.0364	0.0361
15	3557.5~3692.5	0.0370	0.0365
20	3560~3690	0.0377	0.0372

LTE Band 48B_CA	QPSK	16QAM/64QAM/256QAM
BW (MHz) Frequency (MHz)	Maximum Conducted power (W)	Maximum Conducted power (W)
10MHz+10MHz (3555 ~ 3695 MHz)	0.0429	0.0428

LTE Band 48 CA	QPSK	16QAM/64QAM/256QAM
BW (MHz) Frequency (MHz)	Maximum Conducted power (W)	Maximum Conducted power (W)
5MHz+20MHz (3553.5 ~ 3690 MHz)	0.0472	0.0462
10MHz+20MHz (3555.5 ~ 3690 MHz)	0.0468	0.0466
15MHz+20MHz (3557.8 ~ 3690 MHz)	0.0472	0.0459
20MHz+5MHz (3560 ~ 3696.7 MHz)	0.0460	0.0462
20MHz+10MHz (3560 ~ 3694.5 MHz)	0.0473	0.0457
20MHz+15MHz (3560 ~ 3692.2 MHz)	0.0480	0.0474
20MHz+20MHz (3560 ~ 3690 MHz)	0.0453	0.0446

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

1.5 Testing Site

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

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

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH02-SZ	CN1256	421272

1.6 Test Software

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

1.7 Applied Standards

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

- ANSI C63.26-2015
- 47 CFR Part 96
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 940660 D01 Part 96 CBRS v03
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

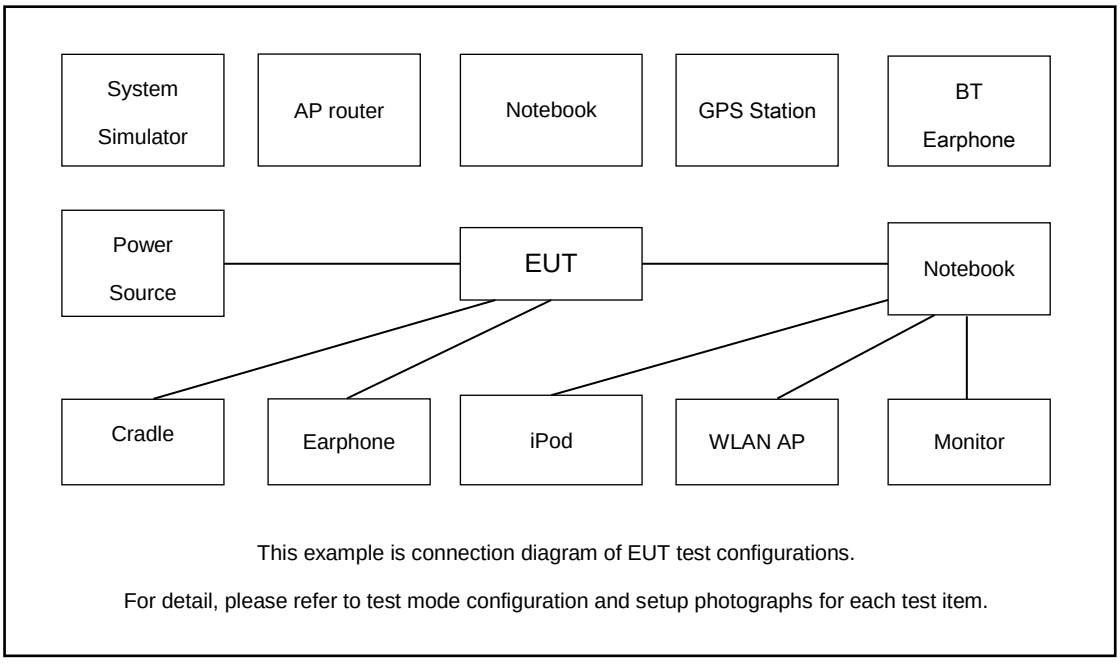
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

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

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	48	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
E.I.R.P	48	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	48	Worst Case													v	v	v
Remark	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.																

Test Items	Band	Bandwidth (MHz)								Modulation				RB #			Test Channel		
		20+20	20+15	15+20	20+10	10+20	10+10	20+5	5+20	QPSK	16 QAM	64 QAM	256 QAM	1	Half	Full	L	M	H
Max. Output Power	48B	-	-	-	-	-	v	-	-	v	v	v	v	v		v	v	v	v
	48C	v	v	v	v	v	-	v	v	v	v	v	v	v		v	v	v	v
E.I.R.P.	48B	-	-	-	-	-	v	-	-	v	v	v	v	v		v	v	v	v
	48C	v	v	v	v	v	-	v	v	v	v	v	v	v		v	v	v	v
Radiated Spurious Emission	48B	Worst Case															v	v	v
	48C	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. 4. All test items are based on engineering evaluation.																		

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration

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

2.4 Frequency List of Low/Middle/High Channels

LTE Band 48 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	55340	55990	56640
	Frequency	3560.0	3625.0	3690.0
15	Channel	55315	55990	56665
	Frequency	3557.5	3625.0	3692.5
10	Channel	55290	55990	56690
	Frequency	3555.0	3625.0	3695.0
5	Channel	55265	55990	56715
	Frequency	3552.5	3625.0	3697.5

LTE Band 48B_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10 + 10	PCC	Channel	55290	55941	56591
		Frequency	3555	3620.1	3685.1
	SCC	Channel	55389	56039	56690
		Frequency	3564.9	3629.9	3695

LTE Band 48C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
5 + 20	PCC	Channel	55273	55898	56523
		Frequency	3553.3	3615.8	3678.3
	SCC	Channel	55390	56015	56640
		Frequency	3565	3627.5	3690
20 + 5	PCC	Channel	55340	55965	56590
		Frequency	3560	3622.5	3685
	SCC	Channel	55457	56082	56707
		Frequency	3571.7	3634.2	3696.7
10 + 20	PCC	Channel	55295	55896	56496
		Frequency	3555.5	3615.6	3675.6
	SCC	Channel	55439	56040	56640
		Frequency	3569.9	3630	3690
20 + 10	PCC	Channel	55340	55941	56541
		Frequency	3560	3620.1	3680.1
	SCC	Channel	55484	56085	56685
		Frequency	3574.4	3634.5	3694.5
15 + 20	PCC	Channel	55318	55893	56469
		Frequency	3557.8	3615.3	3672.9
	SCC	Channel	55489	56064	56640
		Frequency	3574.9	3632.4	3690
20 + 15	PCC	Channel	55340	55916	56491
		Frequency	3560	3617.6	3675.1
	SCC	Channel	55511	56087	56662
		Frequency	3577.1	3634.7	3692.2
20 +20	PCC	Channel	55340	55891	56442
		Frequency	3560	3615.1	3670.2
	SCC	Channel	55538	56089	56640
		Frequency	3579.8	3634.9	3690

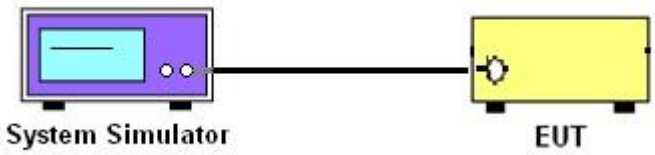
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

3.2.1 Conducted Output Power



3.2.2 Test Result of Conducted Test

Please refer to Appendix A.

3.3 Conducted Output Power

3.3.1 Description of the Conducted Output Power 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.

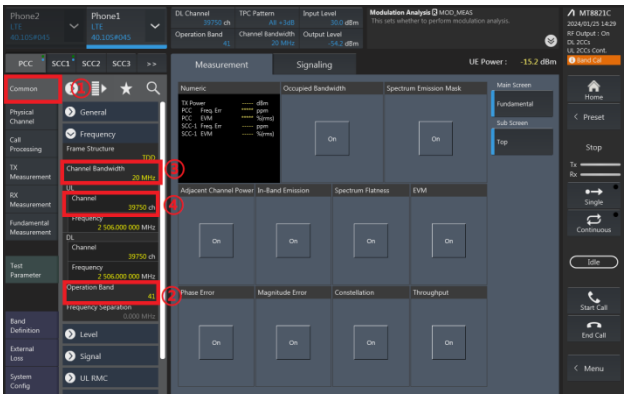
3.3.2 Test Procedures

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

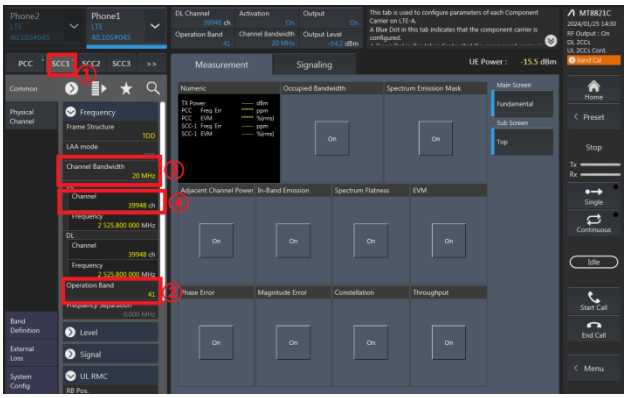
3.3.3 Test Procedures for LTE ULCA

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter PCC & SCC output ports were connected to the system simulator.
3. Set EUT at maximum power, set the PCC/SCC CA band, channel, bandwidth and RB config.

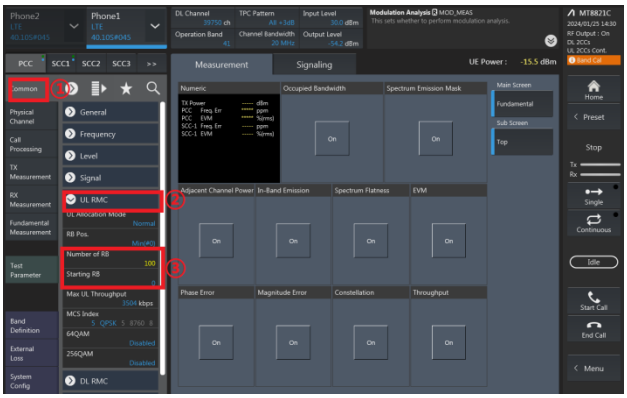
PCC config_(Channel Bandwidth / Channel / Band)



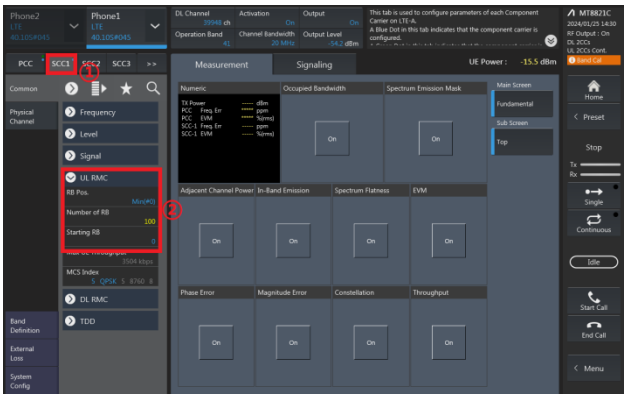
SCC config_(Channel Bandwidth / Channel / Band)



PCC config_(Number of RB / Starting RB)

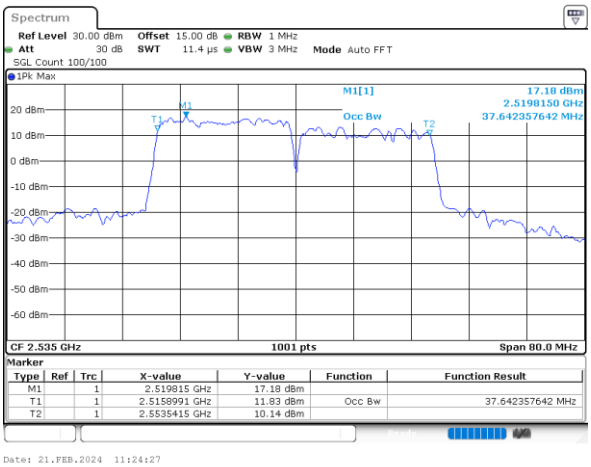


SCC config_(Number of RB / Starting RB)

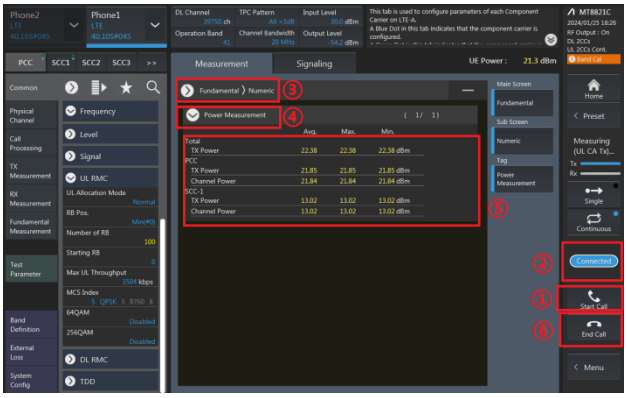


4. Select lowest, middle, and highest channels for each ULCA band and different modulation.
5. Check the ULCA spectrum and record the total power from the system simulator.

Check the ULCA spectrum (eg. 20M+20M)



Read the Total UL CA output power (PCC+SCC)



3.4 EIRP

3.4.1 Description of the EIRP Measurement

EIRP limits for CBRS equipment as below table:

Device		Maximum EIRP (dBm/10 MHz)	Maximum PSD (dBm/MHz)
Applied	End User Device	23	n/a
	Category A CBSD	30	20
	Category B CBSD	47	37

Remark: The worst case EIRP shown in this section is found with LTE operating only using 1RB. As such, the EIRP/10MHz and full channel EIRP values will be identical since 1RB is fully contained within all available channel bandwidths for LTE Band 48 (i.e. 5, 10, 15, 20MHz)

3.4.2 Test Procedures for EIRP

1. Establishing a communications link with the call box (Base station) to measure the Maximum conducted power, the parameters were set to force the EUT transmitting at maximum output power level. Use the average power measurement function to measure total channel power of each channel bandwidth (per ANSI C63.26-2015 Section 5.2.1)

2. Determining ERP and/or EIRP from conducted RF output power measurements (Per ANSI C63.26-2015 Section 5.2.5.5)

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

   P_T = transmitter output power in dBm

   G_T = gain of the transmitting antenna in dBi

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

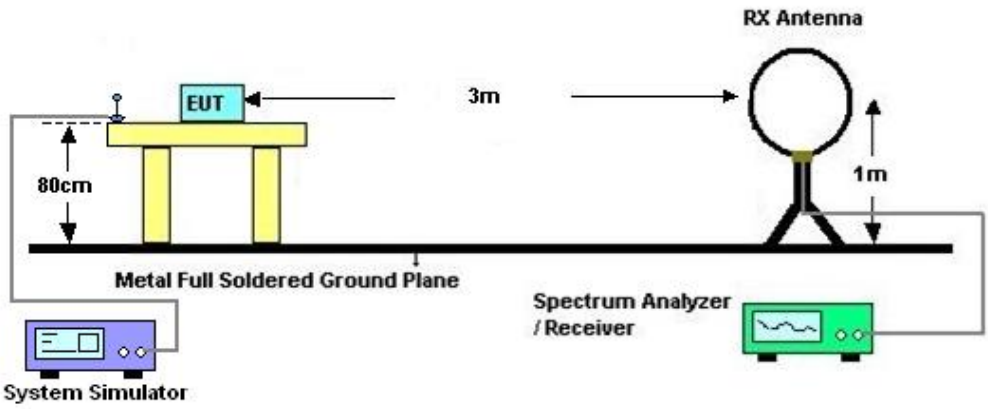
4 Radiated Test Items

4.1 Measuring Instruments

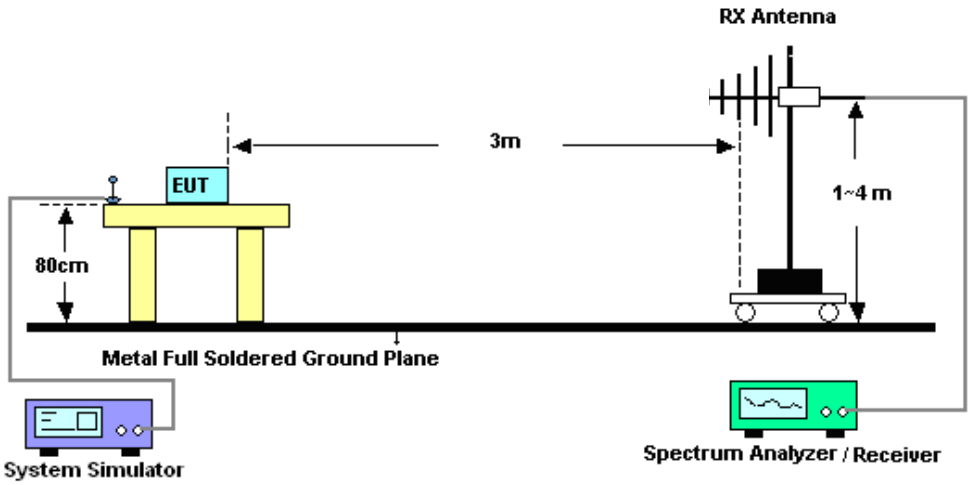
See list of measuring instruments of this test report.

4.2 Test Setup

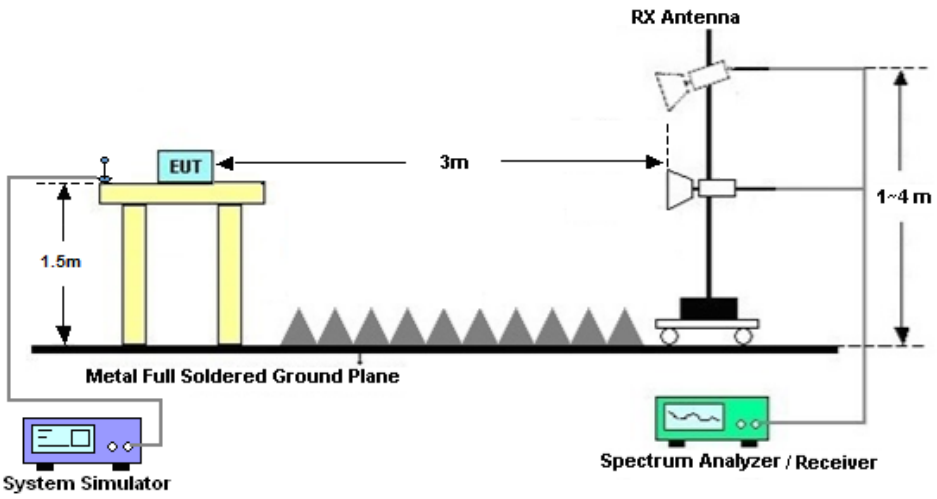
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI C63.26-2015. 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 -40dBm / MHz.

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

4.4.2 Test Procedures

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.
   Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
   EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
   ERP (dBm) = EIRP - 2.15
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
   The limit line is −40dBm/MHz

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.47 dB

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.31 dB

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 :	Eason Wu	Temperature :	22~23℃
		Relative Humidity :	40~42%

Conducted Output Power(Average power) and EIRP

LTE Band 48

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				55340	55990	56640			
Frequency (MHz)				3560	3625	3690	L	M	H
20	QPSK	1	0	15.32	15.45	15.76	0.0718	0.0740	0.0794
20	QPSK	1	49	15.28	15.32	15.64	0.0711	0.0718	0.0773
20	QPSK	1	99	15.17	15.43	15.64	0.0693	0.0736	0.0773
20	QPSK	50	0	14.99	15.12	15.49	0.0665	0.0685	0.0746
20	QPSK	50	24	15.09	15.19	15.45	0.0681	0.0697	0.0740
20	QPSK	50	50	15.10	15.20	15.47	0.0682	0.0698	0.0743
20	QPSK	100	0	14.96	15.26	15.44	0.0661	0.0708	0.0738
20	16QAM	1	0	14.95	15.26	15.41	0.0659	0.0708	0.0733
20	16QAM	1	49	15.18	15.33	15.70	0.0695	0.0719	0.0783
20	16QAM	1	99	15.23	15.45	15.70	0.0703	0.0740	0.0783
20	16QAM	50	0	15.03	15.11	15.38	0.0671	0.0684	0.0728
20	16QAM	50	24	15.09	15.25	15.35	0.0681	0.0706	0.0723
20	16QAM	50	50	15.01	15.19	15.44	0.0668	0.0697	0.0738
20	16QAM	100	0	14.95	15.22	15.46	0.0659	0.0701	0.0741
20	64QAM	1	0	15.15	15.33	15.40	0.0690	0.0719	0.0731
20	64QAM	1	49	15.00	15.28	15.63	0.0667	0.0711	0.0771
20	64QAM	1	99	15.12	15.41	15.67	0.0685	0.0733	0.0778
20	64QAM	50	0	15.00	14.94	15.39	0.0667	0.0658	0.0729
20	64QAM	50	24	15.08	15.28	15.47	0.0679	0.0711	0.0743
20	64QAM	50	50	15.09	15.30	15.52	0.0681	0.0714	0.0752
20	64QAM	100	0	14.96	15.18	15.38	0.0661	0.0695	0.0728
20	256QAM	1	0	14.94	15.18	15.45	0.0658	0.0695	0.0740
20	256QAM	1	49	15.21	15.37	15.58	0.0700	0.0726	0.0762
20	256QAM	1	99	15.17	15.30	15.66	0.0693	0.0714	0.0776
20	256QAM	50	0	14.98	15.09	15.36	0.0664	0.0681	0.0724
20	256QAM	50	24	15.09	15.26	15.51	0.0681	0.0708	0.0750
20	256QAM	50	50	15.06	15.16	15.43	0.0676	0.0692	0.0736
20	256QAM	100	0	15.04	15.30	15.45	0.0673	0.0714	0.0740
Channel				55315	55990	56665	EIRP(W)		
Frequency (MHz)				3557.5	3625	3692.5	L	M	H
15	QPSK	1	0	15.27	15.40	15.68	0.0710	0.0731	0.0780
15	QPSK	1	37	15.19	15.22	15.51	0.0697	0.0701	0.0750

15	QPSK	1	74	15.05	15.38	15.56	0.0675	0.0728	0.0759
15	QPSK	36	0	14.91	14.98	15.40	0.0653	0.0664	0.0731
15	QPSK	36	20	14.98	15.14	15.36	0.0664	0.0689	0.0724
15	QPSK	36	39	14.99	15.10	15.35	0.0665	0.0682	0.0723
15	QPSK	75	0	14.89	15.11	15.37	0.0650	0.0684	0.0726
15	16QAM	1	0	14.90	15.17	15.32	0.0652	0.0693	0.0718
15	16QAM	1	37	15.12	15.20	15.62	0.0685	0.0698	0.0769
15	16QAM	1	74	15.10	15.40	15.62	0.0682	0.0731	0.0769
15	16QAM	36	0	14.95	14.96	15.25	0.0659	0.0661	0.0706
15	16QAM	36	20	14.98	15.12	15.29	0.0664	0.0685	0.0713
15	16QAM	36	39	14.90	15.12	15.36	0.0652	0.0685	0.0724
15	16QAM	75	0	14.82	15.17	15.32	0.0640	0.0693	0.0718
15	64QAM	1	0	15.06	15.19	15.32	0.0676	0.0697	0.0718
15	64QAM	1	37	14.94	15.17	15.57	0.0658	0.0693	0.0760
15	64QAM	1	74	15.01	15.28	15.54	0.0668	0.0711	0.0755
15	64QAM	36	0	14.94	14.80	15.30	0.0658	0.0637	0.0714
15	64QAM	36	20	14.99	15.13	15.42	0.0665	0.0687	0.0735
15	64QAM	36	39	15.03	15.23	15.47	0.0671	0.0703	0.0743
15	64QAM	75	0	14.87	15.13	15.29	0.0647	0.0687	0.0713
15	256QAM	1	0	14.89	15.07	15.30	0.0650	0.0678	0.0714
15	256QAM	1	37	15.09	15.31	15.47	0.0681	0.0716	0.0743
15	256QAM	1	74	15.10	15.16	15.59	0.0682	0.0692	0.0764
15	256QAM	36	0	14.91	15.00	15.30	0.0653	0.0667	0.0714
15	256QAM	36	20	15.02	15.18	15.42	0.0670	0.0695	0.0735
15	256QAM	36	39	14.94	15.11	15.38	0.0658	0.0684	0.0728
15	256QAM	75	0	14.94	15.19	15.38	0.0658	0.0697	0.0728
Channel				55290	55990	56690	EIRP(W)		
Frequency (MHz)				3555	3625	3695	L	M	H
10	QPSK	1	0	15.24	15.30	15.61	0.0705	0.0714	0.0767
10	QPSK	1	25	15.21	15.19	15.53	0.0700	0.0697	0.0753
10	QPSK	1	49	15.09	15.30	15.50	0.0681	0.0714	0.0748
10	QPSK	25	0	14.92	15.05	15.37	0.0655	0.0675	0.0726
10	QPSK	25	12	15.01	15.10	15.37	0.0668	0.0682	0.0726
10	QPSK	25	25	15.05	15.05	15.36	0.0675	0.0675	0.0724
10	QPSK	50	0	14.81	15.15	15.29	0.0638	0.0690	0.0713
10	16QAM	1	0	14.87	15.14	15.28	0.0647	0.0689	0.0711
10	16QAM	1	25	15.13	15.22	15.58	0.0687	0.0701	0.0762
10	16QAM	1	49	15.09	15.36	15.56	0.0681	0.0724	0.0759
10	16QAM	25	0	14.97	15.01	15.26	0.0662	0.0668	0.0708
10	16QAM	25	12	15.01	15.12	15.30	0.0668	0.0685	0.0714
10	16QAM	25	25	14.95	15.04	15.30	0.0659	0.0673	0.0714
10	16QAM	50	0	14.87	15.12	15.40	0.0647	0.0685	0.0731
10	64QAM	1	0	15.08	15.19	15.28	0.0679	0.0697	0.0711
10	64QAM	1	25	14.87	15.22	15.50	0.0647	0.0701	0.0748
10	64QAM	1	49	14.97	15.31	15.55	0.0662	0.0716	0.0757
10	64QAM	25	0	14.86	14.87	15.32	0.0646	0.0647	0.0718
10	64QAM	25	12	14.99	15.18	15.42	0.0665	0.0695	0.0735
10	64QAM	25	25	15.02	15.19	15.44	0.0670	0.0697	0.0738

10	64QAM	50	0	14.90	15.13	15.28	0.0652	0.0687	0.0711
10	256QAM	1	0	14.79	15.10	15.31	0.0635	0.0682	0.0716
10	256QAM	1	25	15.07	15.26	15.43	0.0678	0.0708	0.0736
10	256QAM	1	49	15.07	15.24	15.54	0.0678	0.0705	0.0755
10	256QAM	25	0	14.87	15.00	15.31	0.0647	0.0667	0.0716
10	256QAM	25	12	14.99	15.21	15.37	0.0665	0.0700	0.0726
10	256QAM	25	25	14.92	15.08	15.35	0.0655	0.0679	0.0723
10	256QAM	50	0	14.91	15.21	15.30	0.0653	0.0700	0.0714
Channel				55265	55990	56715	EIRP(W)		
Frequency (MHz)				3552.5	3625	3697.5	L	M	H
5	QPSK	1	0	15.22	15.37	15.66	0.0701	0.0726	0.0776
5	QPSK	1	12	15.20	15.26	15.57	0.0698	0.0708	0.0760
5	QPSK	1	24	15.12	15.32	15.49	0.0685	0.0718	0.0746
5	QPSK	12	0	14.88	15.01	15.35	0.0649	0.0668	0.0723
5	QPSK	12	7	15.01	15.13	15.39	0.0668	0.0687	0.0729
5	QPSK	12	13	15.04	15.09	15.40	0.0673	0.0681	0.0731
5	QPSK	25	0	14.83	15.14	15.36	0.0641	0.0689	0.0724
5	16QAM	1	0	14.82	15.17	15.34	0.0640	0.0693	0.0721
5	16QAM	1	12	15.13	15.27	15.63	0.0687	0.0710	0.0771
5	16QAM	1	24	15.15	15.31	15.60	0.0690	0.0716	0.0766
5	16QAM	12	0	14.96	14.96	15.26	0.0661	0.0661	0.0708
5	16QAM	12	7	15.04	15.15	15.25	0.0673	0.0690	0.0706
5	16QAM	12	13	14.89	15.10	15.38	0.0650	0.0682	0.0728
5	16QAM	25	0	14.85	15.10	15.31	0.0644	0.0682	0.0716
5	64QAM	1	0	15.00	15.21	15.34	0.0667	0.0700	0.0721
5	64QAM	1	12	14.88	15.14	15.51	0.0649	0.0689	0.0750
5	64QAM	1	24	14.97	15.31	15.59	0.0662	0.0716	0.0764
5	64QAM	12	0	14.88	14.79	15.24	0.0649	0.0635	0.0705
5	64QAM	12	7	15.00	15.13	15.42	0.0667	0.0687	0.0735
5	64QAM	12	13	15.03	15.24	15.47	0.0671	0.0705	0.0743
5	64QAM	25	0	14.82	15.08	15.31	0.0640	0.0679	0.0716
5	256QAM	1	0	14.81	15.10	15.37	0.0638	0.0682	0.0726
5	256QAM	1	12	15.13	15.23	15.48	0.0687	0.0703	0.0745
5	256QAM	1	24	15.05	15.25	15.53	0.0675	0.0706	0.0753
5	256QAM	12	0	14.86	15.01	15.27	0.0646	0.0668	0.0710
5	256QAM	12	7	14.99	15.18	15.38	0.0665	0.0695	0.0728
5	256QAM	12	13	14.96	15.10	15.28	0.0661	0.0682	0.0711
5	256QAM	25	0	14.95	15.25	15.39	0.0659	0.0706	0.0729

LTE Band CA_48B

Combination 10MHz+10MHz (100RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	55290_55389	QPSK	Max	0	Max	0	15.41	0.0733
L	55290_55389	QPSK	1	0	1	Max	15.35	0.0723
L	55290_55389	QPSK	1	Max	1	0	15.26	0.0708
M	55945_56044	QPSK	Max	0	Max	0	15.94	0.0828
M	55945_56044	QPSK	1	0	1	Max	15.93	0.0826
M	55945_56044	QPSK	1	Max	1	0	15.65	0.0774
H	56591_56690	QPSK	Max	0	Max	0	16.32	0.0904
H	56591_56690	QPSK	1	0	1	Max	16.23	0.0885
H	56591_56690	QPSK	1	Max	1	0	16.03	0.0845
L	55290_55389	16QAM	Max	0	Max	0	15.42	0.0735
L	55290_55389	16QAM	1	0	1	Max	15.38	0.0728
L	55290_55389	16QAM	1	Max	1	0	15.31	0.0716
M	55945_56044	16QAM	Max	0	Max	0	15.97	0.0834
M	55945_56044	16QAM	1	0	1	Max	15.86	0.0813
M	55945_56044	16QAM	1	Max	1	0	15.77	0.0796
H	56591_56690	16QAM	Max	0	Max	0	16.31	0.0902
H	56591_56690	16QAM	1	0	1	Max	16.18	0.0875
H	56591_56690	16QAM	1	Max	1	0	16.07	0.0853
L	55290_55389	64QAM	Max	0	Max	0	15.52	0.0752
L	55290_55389	64QAM	1	0	1	Max	15.43	0.0736
L	55290_55389	64QAM	1	Max	1	0	15.38	0.0728
M	55945_56044	64QAM	Max	0	Max	0	16.02	0.0843
M	55945_56044	64QAM	1	0	1	Max	15.81	0.0804
M	55945_56044	64QAM	1	Max	1	0	15.97	0.0834
H	56591_56690	64QAM	Max	0	Max	0	16.25	0.0889
H	56591_56690	64QAM	1	0	1	Max	16.23	0.0885
H	56591_56690	64QAM	1	Max	1	0	16.30	0.0899
L	55290_55389	256QAM	Max	0	Max	0	15.41	0.0733
L	55290_55389	256QAM	1	0	1	Max	15.38	0.0728
L	55290_55389	256QAM	1	Max	1	0	15.46	0.0741
M	55945_56044	256QAM	Max	0	Max	0	16.05	0.0849
M	55945_56044	256QAM	1	0	1	Max	16.11	0.0861
M	55945_56044	256QAM	1	Max	1	0	15.99	0.0838
H	56591_56690	256QAM	Max	0	Max	0	16.30	0.0899
H	56591_56690	256QAM	1	0	1	Max	15.97	0.0834
H	56591_56690	256QAM	1	Max	1	0	16.25	0.0889

LTE Band CA_48C

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 55340_55538	QPSK	Max	0	Max	0	16.03	0.0845
	QPSK	1	0	1	Max	15.87	0.0815
	QPSK	1	Max	1	0	15.74	0.0791
M 55891_56089	QPSK	Max	0	Max	0	16.31	0.0902
	QPSK	1	0	1	Max	16.20	0.0879
	QPSK	1	Max	1	0	15.97	0.0834
H 56442_56640	QPSK	Max	0	Max	0	16.56	0.0955
	QPSK	1	0	1	Max	16.52	0.0946
	QPSK	1	Max	1	0	16.23	0.0885
L 55340_55538	16QAM	Max	0	Max	0	16.00	0.0839
	16QAM	1	0	1	Max	16.22	0.0883
	16QAM	1	Max	1	0	16.18	0.0875
M 55891_56089	16QAM	Max	0	Max	0	16.20	0.0879
	16QAM	1	0	1	Max	16.49	0.0940
	16QAM	1	Max	1	0	16.40	0.0920
H 56442_56640	16QAM	Max	0	Max	0	16.44	0.0929
	16QAM	1	0	1	Max	16.39	0.0918
	16QAM	1	Max	1	0	16.49	0.0940
L 55340_55538	64QAM	Max	0	Max	0	15.96	0.0832
	64QAM	1	0	1	Max	16.24	0.0887
	64QAM	1	Max	1	0	16.30	0.0899
M 55891_56089	64QAM	Max	0	Max	0	16.22	0.0883
	64QAM	1	0	1	Max	16.39	0.0918
	64QAM	1	Max	1	0	16.29	0.0897
H 56442_56640	64QAM	Max	0	Max	0	16.47	0.0935
	64QAM	1	0	1	Max	16.30	0.0899
	64QAM	1	Max	1	0	16.30	0.0899
L 55340_55538	256QAM	Max	0	Max	0	15.97	0.0834
	256QAM	1	0	1	Max	16.00	0.0839
	256QAM	1	Max	1	0	16.19	0.0877
M 55891_56089	256QAM	Max	0	Max	0	16.24	0.0887
	256QAM	1	0	1	Max	16.48	0.0938
	256QAM	1	Max	1	0	16.35	0.0910
H 56442_56640	256QAM	Max	0	Max	0	16.44	0.0929
	256QAM	1	0	1	Max	16.43	0.0927
	256QAM	1	Max	1	0	16.39	0.0918
Combination 20MHz+15MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 55340_55511	QPSK	Max	0	Max	0	16.30	0.0899
	QPSK	1	0	1	Max	16.20	0.0879
	QPSK	1	Max	1	0	15.77	0.0796
M	QPSK	Max	0	Max	0	16.52	0.0946

55916_56087	QPSK	1	0	1	Max	16.52	0.0946
	QPSK	1	Max	1	0	16.09	0.0857
H 56491_56662	QPSK	Max	0	Max	0	16.81	0.1012
	QPSK	1	0	1	Max	16.79	0.1007
	QPSK	1	Max	1	0	16.45	0.0931
L 55340_55511	16QAM	Max	0	Max	0	16.10	0.0859
	16QAM	1	0	1	Max	16.47	0.0935
	16QAM	1	Max	1	0	16.43	0.0927
M 55916_56087	16QAM	Max	0	Max	0	16.32	0.0904
	16QAM	1	0	1	Max	16.71	0.0989
	16QAM	1	Max	1	0	16.64	0.0973
H 56491_56662	16QAM	Max	0	Max	0	16.63	0.0971
	16QAM	1	0	1	Max	16.72	0.0991
	16QAM	1	Max	1	0	16.72	0.0991
L 55340_55511	64QAM	Max	0	Max	0	16.13	0.0865
	64QAM	1	0	1	Max	16.43	0.0927
	64QAM	1	Max	1	0	16.33	0.0906
M 55916_56087	64QAM	Max	0	Max	0	16.34	0.0908
	64QAM	1	0	1	Max	16.70	0.0986
	64QAM	1	Max	1	0	16.66	0.0977
H 56491_56662	64QAM	Max	0	Max	0	16.64	0.0973
	64QAM	1	0	1	Max	16.76	0.1000
	64QAM	1	Max	1	0	16.73	0.0993
L 55340_55511	256QAM	Max	0	Max	0	16.15	0.0869
	256QAM	1	0	1	Max	16.26	0.0891
	256QAM	1	Max	1	0	16.20	0.0879
M 55916_56087	256QAM	Max	0	Max	0	16.38	0.0916
	256QAM	1	0	1	Max	16.54	0.0951
	256QAM	1	Max	1	0	16.42	0.0925
H 56491_56662	256QAM	Max	0	Max	0	16.61	0.0966
	256QAM	1	0	1	Max	16.71	0.0989
	256QAM	1	Max	1	0	16.64	0.0973
Combination 15MHz+20MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 55318_55489	QPSK	Max	0	Max	0	16.15	0.0869
	QPSK	1	0	1	Max	16.10	0.0859
	QPSK	1	Max	1	0	15.62	0.0769
M 55893_56064	QPSK	Max	0	Max	0	16.28	0.0895
	QPSK	1	0	1	Max	16.29	0.0897
	QPSK	1	Max	1	0	15.94	0.0828
H 56469_56640	QPSK	Max	0	Max	0	16.64	0.0973
	QPSK	1	0	1	Max	16.74	0.0995
	QPSK	1	Max	1	0	16.30	0.0899
L 55318_55489	16QAM	Max	0	Max	0	15.96	0.0832
	16QAM	1	0	1	Max	16.31	0.0902
	16QAM	1	Max	1	0	16.33	0.0906
M	16QAM	Max	0	Max	0	16.16	0.0871

55893_56064	16QAM	1	0	1	Max	16.49	0.0940
	16QAM	1	Max	1	0	16.46	0.0933
H 56469_56640	16QAM	Max	0	Max	0	16.46	0.0933
	16QAM	1	0	1	Max	16.49	0.0940
	16QAM	1	Max	1	0	16.62	0.0968
L 55318_55489	64QAM	Max	0	Max	0	16.03	0.0845
	64QAM	1	0	1	Max	16.33	0.0906
	64QAM	1	Max	1	0	16.21	0.0881
M 55893_56064	64QAM	Max	0	Max	0	16.28	0.0895
	64QAM	1	0	1	Max	16.48	0.0938
	64QAM	1	Max	1	0	16.55	0.0953
H 56469_56640	64QAM	Max	0	Max	0	16.49	0.0940
	64QAM	1	0	1	Max	16.53	0.0948
	64QAM	1	Max	1	0	16.53	0.0948
L 55318_55489	256QAM	Max	0	Max	0	16.05	0.0849
	256QAM	1	0	1	Max	16.07	0.0853
	256QAM	1	Max	1	0	15.96	0.0832
M 55893_56064	256QAM	Max	0	Max	0	16.19	0.0877
	256QAM	1	0	1	Max	16.42	0.0925
	256QAM	1	Max	1	0	16.30	0.0899
H 56469_56640	256QAM	Max	0	Max	0	16.50	0.0942
	256QAM	1	0	1	Max	16.56	0.0955
	256QAM	1	Max	1	0	16.57	0.0957
Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 55340_55484	QPSK	Max	0	Max	0	16.12	0.0863
	QPSK	1	0	1	Max	15.98	0.0836
	QPSK	1	Max	1	0	15.66	0.0776
M 55941_56085	QPSK	Max	0	Max	0	16.45	0.0931
	QPSK	1	0	1	Max	16.43	0.0927
	QPSK	1	Max	1	0	16.00	0.0839
H 56541_56685	QPSK	Max	0	Max	0	16.75	0.0998
	QPSK	1	0	1	Max	16.62	0.0968
	QPSK	1	Max	1	0	16.40	0.0920
L 55340_55484	16QAM	Max	0	Max	0	15.91	0.0822
	16QAM	1	0	1	Max	16.26	0.0891
	16QAM	1	Max	1	0	16.29	0.0897
M 55941_56085	16QAM	Max	0	Max	0	16.17	0.0873
	16QAM	1	0	1	Max	16.59	0.0962
	16QAM	1	Max	1	0	16.40	0.0920
H 56541_56685	16QAM	Max	0	Max	0	16.58	0.0959
	16QAM	1	0	1	Max	16.58	0.0959
	16QAM	1	Max	1	0	16.60	0.0964
L 55340_55484	64QAM	Max	0	Max	0	15.92	0.0824
	64QAM	1	0	1	Max	16.18	0.0875
	64QAM	1	Max	1	0	16.28	0.0895
M 55941_56085	64QAM	Max	0	Max	0	16.25	0.0889
	64QAM	1	0	1	Max	16.56	0.0955
	64QAM	1	Max	1	0	16.47	0.0935
H 56541_56685	64QAM	Max	0	Max	0	16.55	0.0953
	64QAM	1	0	1	Max	16.59	0.0962

	64QAM	1	Max	1	0	16.48	0.0938
L 55340_55484	256QAM	Max	0	Max	0	15.92	0.0824
	256QAM	1	0	1	Max	16.21	0.0881
	256QAM	1	Max	1	0	16.06	0.0851
M 55941_56085	256QAM	Max	0	Max	0	16.20	0.0879
	256QAM	1	0	1	Max	16.44	0.0929
	256QAM	1	Max	1	0	16.17	0.0873
H 56541_56685	256QAM	Max	0	Max	0	16.42	0.0925
	256QAM	1	0	1	Max	16.49	0.0940
	256QAM	1	Max	1	0	16.40	0.0920
Combination 10MHz+20MHz (50RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 55295_55439	QPSK	Max	0	Max	0	16.20	0.0879
	QPSK	1	0	1	Max	16.01	0.0841
	QPSK	1	Max	1	0	15.68	0.0780
M 55896_56040	QPSK	Max	0	Max	0	16.42	0.0925
	QPSK	1	0	1	Max	16.29	0.0897
	QPSK	1	Max	1	0	15.92	0.0824
H 56496_56640	QPSK	Max	0	Max	0	16.70	0.0986
	QPSK	1	0	1	Max	16.64	0.0973
	QPSK	1	Max	1	0	16.29	0.0897
L 55295_55439	16QAM	Max	0	Max	0	15.93	0.0826
	16QAM	1	0	1	Max	16.33	0.0906
	16QAM	1	Max	1	0	16.31	0.0902
M 55896_56040	16QAM	Max	0	Max	0	16.27	0.0893
	16QAM	1	0	1	Max	16.61	0.0966
	16QAM	1	Max	1	0	16.47	0.0935
H 56496_56640	16QAM	Max	0	Max	0	16.39	0.0918
	16QAM	1	0	1	Max	16.67	0.0979
	16QAM	1	Max	1	0	16.59	0.0962
L 55295_55439	64QAM	Max	0	Max	0	15.88	0.0817
	64QAM	1	0	1	Max	16.20	0.0879
	64QAM	1	Max	1	0	16.22	0.0883
M 55896_56040	64QAM	Max	0	Max	0	16.21	0.0881
	64QAM	1	0	1	Max	16.49	0.0940
	64QAM	1	Max	1	0	16.43	0.0927
H 56496_56640	64QAM	Max	0	Max	0	16.47	0.0935
	64QAM	1	0	1	Max	16.67	0.0979
	64QAM	1	Max	1	0	16.68	0.0982
L 55295_55439	256QAM	Max	0	Max	0	16.07	0.0853
	256QAM	1	0	1	Max	16.09	0.0857
	256QAM	1	Max	1	0	15.98	0.0836
M 55896_56040	256QAM	Max	0	Max	0	16.14	0.0867
	256QAM	1	0	1	Max	16.41	0.0923
	256QAM	1	Max	1	0	16.18	0.0875
H 56496_56640	256QAM	Max	0	Max	0	16.45	0.0931
	256QAM	1	0	1	Max	16.47	0.0935
	256QAM	1	Max	1	0	16.59	0.0962
Combination 20MHz+5MHz (100RB+25RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 55340_55457	QPSK	Max	0	Max	0	16.10	0.0859
	QPSK	1	0	1	Max	15.98	0.0836
	QPSK	1	Max	1	0	15.52	0.0752
M	QPSK	Max	0	Max	0	16.32	0.0904

55965_56082	QPSK	1	0	1	Max	16.43	0.0927
	QPSK	1	Max	1	0	15.90	0.0820
H 56590_56707	QPSK	Max	0	Max	0	16.63	0.0971
	QPSK	1	0	1	Max	16.56	0.0955
	QPSK	1	Max	1	0	16.34	0.0908
L 55340_55457	16QAM	Max	0	Max	0	16.00	0.0839
	16QAM	1	0	1	Max	16.30	0.0899
	16QAM	1	Max	1	0	16.23	0.0885
M 55965_56082	16QAM	Max	0	Max	0	16.14	0.0867
	16QAM	1	0	1	Max	16.47	0.0935
	16QAM	1	Max	1	0	16.49	0.0940
H 56590_56707	16QAM	Max	0	Max	0	16.39	0.0918
	16QAM	1	0	1	Max	16.48	0.0938
	16QAM	1	Max	1	0	16.61	0.0966
L 55340_55457	64QAM	Max	0	Max	0	16.03	0.0845
	64QAM	1	0	1	Max	16.26	0.0891
	64QAM	1	Max	1	0	16.18	0.0875
M 55965_56082	64QAM	Max	0	Max	0	16.13	0.0865
	64QAM	1	0	1	Max	16.65	0.0975
	64QAM	1	Max	1	0	16.60	0.0964
H 56590_56707	64QAM	Max	0	Max	0	16.51	0.0944
	64QAM	1	0	1	Max	16.51	0.0944
	64QAM	1	Max	1	0	16.62	0.0968
L 55340_55457	256QAM	Max	0	Max	0	16.08	0.0855
	256QAM	1	0	1	Max	16.07	0.0853
	256QAM	1	Max	1	0	16.02	0.0843
M 55965_56082	256QAM	Max	0	Max	0	16.27	0.0893
	256QAM	1	0	1	Max	16.49	0.0940
	256QAM	1	Max	1	0	16.18	0.0875
H 56590_56707	256QAM	Max	0	Max	0	16.49	0.0940
	256QAM	1	0	1	Max	16.61	0.0966
	256QAM	1	Max	1	0	16.47	0.0935
Combination 5MHz+20MHz (25RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 55273_55390	QPSK	Max	0	Max	0	16.12	0.0863
	QPSK	1	0	1	Max	16.04	0.0847
	QPSK	1	Max	1	0	15.62	0.0769
M 55898_5615	QPSK	Max	0	Max	0	16.44	0.0929
	QPSK	1	0	1	Max	16.34	0.0908
	QPSK	1	Max	1	0	15.88	0.0817
H 56523_56640	QPSK	Max	0	Max	0	16.73	0.0993
	QPSK	1	0	1	Max	16.74	0.0995
	QPSK	1	Max	1	0	16.28	0.0895
L 55273_55390	16QAM	Max	0	Max	0	15.88	0.0817
	16QAM	1	0	1	Max	16.36	0.0912
	16QAM	1	Max	1	0	16.38	0.0916
M 55898_5615	16QAM	Max	0	Max	0	16.08	0.0855
	16QAM	1	0	1	Max	16.60	0.0964
	16QAM	1	Max	1	0	16.50	0.0942
H 56523_56640	16QAM	Max	0	Max	0	16.58	0.0959
	16QAM	1	0	1	Max	16.61	0.0966
	16QAM	1	Max	1	0	16.57	0.0957
L 55273_55390	64QAM	Max	0	Max	0	15.95	0.0830
	64QAM	1	0	1	Max	16.33	0.0906
	64QAM	1	Max	1	0	16.22	0.0883

M 55898_5615	64QAM	Max	0	Max	0	16.26	0.0891
	64QAM	1	0	1	Max	16.54	0.0951
	64QAM	1	Max	1	0	16.44	0.0929
H 56523_56640	64QAM	Max	0	Max	0	16.47	0.0935
	64QAM	1	0	1	Max	16.59	0.0962
	64QAM	1	Max	1	0	16.60	0.0964
L 55273_55390	256QAM	Max	0	Max	0	16.02	0.0843
	256QAM	1	0	1	Max	16.17	0.0873
	256QAM	1	Max	1	0	16.00	0.0839
M 55898_5615	256QAM	Max	0	Max	0	16.32	0.0904
	256QAM	1	0	1	Max	16.40	0.0920
	256QAM	1	Max	1	0	16.32	0.0904
H 56523_56640	256QAM	Max	0	Max	0	16.55	0.0953
	256QAM	1	0	1	Max	16.65	0.0975
	256QAM	1	Max	1	0	16.58	0.0959

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

LTE Band 48 / 20MHz / QPSK / Ant.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)
Lowest	7102.00	-59.16	-40	-19.16	-64.89	-62.49	8.25	11.58	H
	10653.00	-55.83	-40	-15.83	-68.40	-57.38	10.45	12.00	H
	14204.00	-51.05	-40	-11.05	-67.51	-52.76	11.74	13.45	H
	7102.00	-59.00	-40	-19.00	-65.14	-62.33	8.25	11.58	V
	10653.00	-56.20	-40	-16.20	-68.31	-57.75	10.45	12.00	V
	14204.00	-51.60	-40	-11.60	-67.61	-53.31	11.74	13.45	V
Middle	7232.00	-60.02	-40	-20.02	-66.07	-63.32	8.30	11.60	H
	10848.00	-54.57	-40	-14.57	-67.94	-56.09	10.48	12.00	H
	14464.00	-49.85	-40	-9.85	-67.42	-51.55	11.80	13.50	H
	7232.00	-59.65	-40	-19.65	-66.01	-62.95	8.30	11.60	V
	10848.00	-54.76	-40	-14.76	-67.76	-56.28	10.48	12.00	V
	14464.00	-50.15	-40	-10.15	-67.14	-51.85	11.80	13.50	V
Highest	7362.00	-60.07	-40	-20.07	-66.31	-63.37	8.32	11.62	H
	11043.00	-54.12	-40	-14.12	-68.23	-55.80	10.52	12.20	H
	14724.00	-50.60	-40	-10.60	-68.10	-52.30	11.85	13.55	H
	7362.00	-60.19	-40	-20.19	-66.52	-63.49	8.32	11.62	V
	11043.00	-54.26	-40	-14.26	-68.08	-55.94	10.52	12.20	V
	14724.00	-51.14	-40	-11.14	-68.08	-52.84	11.85	13.55	V

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

LTE Band CA_48B / 10MHz+10MHz / QPSK / Ant.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)
Lowest	7119.90	-59.53	-40	-19.53	-65.31	-62.86	8.25	11.58	H
	10679.85	-55.44	-40	-15.44	-68.10	-56.99	10.45	12.00	H
	14239.80	-50.69	-40	-10.69	-67.30	-52.40	11.74	13.45	H
	7119.90	-58.87	-40	-18.87	-65.05	-62.20	8.25	11.58	V
	10679.85	-55.97	-40	-15.97	-68.18	-57.52	10.45	12.00	V
	14239.80	-51.17	-40	-11.17	-67.32	-52.88	11.74	13.45	V
Middle	7250.90	-60.06	-40	-20.06	-66.14	-63.36	8.30	11.60	H
	10876.35	-54.23	-40	-14.23	-67.72	-55.75	10.48	12.00	H
	14501.80	-49.79	-40	-9.79	-67.51	-51.49	11.80	13.50	H
	7250.90	-59.80	-40	-19.80	-66.16	-63.10	8.30	11.60	V
	10876.35	-54.76	-40	-14.76	-67.9	-56.28	10.48	12.00	V
	14501.80	-50.53	-40	-10.53	-67.65	-52.23	11.80	13.50	V
Highest	7380.10	-59.70	-40	-19.70	-65.96	-63.00	8.32	11.62	H
	11070.15	-54.07	-40	-14.07	-68.21	-55.75	10.52	12.20	H
	14760.20	-50.09	-40	-10.09	-67.55	-51.79	11.85	13.55	H
	7380.10	-59.52	-40	-19.52	-65.84	-62.82	8.32	11.62	V
	11070.15	-54.14	-40	-14.14	-67.99	-55.82	10.52	12.20	V
	14760.20	-50.89	-40	-10.89	-67.80	-52.59	11.85	13.55	V

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

LTE Band CA_48C / 20MHz+20MHz / QPSK / Ant.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)
Lowest	7139.80	-59.25	-40	-19.25	-65.07	-62.58	8.25	11.58	H
	10709.70	-55.42	-40	-15.42	-68.21	-56.97	10.45	12.00	H
	14279.60	-50.96	-40	-10.96	-67.71	-52.67	11.74	13.45	H
	7139.80	-59.08	-40	-19.08	-65.3	-62.41	8.25	11.58	V
	10709.70	-55.99	-40	-15.99	-68.35	-57.54	10.45	12.00	V
	14279.60	-51.38	-40	-11.38	-67.65	-53.09	11.74	13.45	V
Middle	7250.00	-60.12	-40	-20.12	-66.20	-63.42	8.30	11.60	H
	10875.00	-54.42	-40	-14.42	-67.91	-55.94	10.48	12.00	H
	14500.00	-49.86	-40	-9.86	-67.58	-51.56	11.80	13.50	H
	7250.00	-59.77	-40	-19.77	-66.13	-63.07	8.30	11.60	V
	10875.00	-55.05	-40	-15.05	-68.19	-56.57	10.48	12.00	V
	14500.00	-50.68	-40	-10.68	-67.80	-52.38	11.80	13.50	V
Highest	7360.20	-59.87	-40	-19.87	-66.11	-63.17	8.32	11.62	H
	11040.30	-53.76	-40	-13.76	-67.87	-55.44	10.52	12.20	H
	14720.40	-50.36	-40	-10.36	-67.86	-52.06	11.85	13.55	H
	7360.20	-59.85	-40	-19.85	-66.18	-63.15	8.32	11.62	V
	11040.30	-53.93	-40	-13.93	-67.75	-55.61	10.52	12.20	V
	14720.40	-50.71	-40	-10.71	-67.65	-52.41	11.85	13.55	V

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