

FCC RF Test Report

APPLICANT : Ericsson Enterprise Wireless Solutions, Inc.
EQUIPMENT : 5G Sub-6 GHz LGA Module
BRAND NAME : Ericsson
MODEL NAME : RG650V-NA
FCC ID : UXX-2024RG650VNA
STANDARD : 47 CFR Part 27 Subpart Q
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Dec. 23, 2024 ~ Jan. 24, 2025

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

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

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (ShenZhen)

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People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG4D0656E	Rev. 01	Initial issue of report	Feb. 17, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	—	Report Only	-
3.5	§27.50 (k)(3)	EIRP	EIRP < 1W (30dBm)	PASS	-
4.4	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission	-13dBm/MHz	PASS	Under limit 37.88 dB at 14124.00 MHz

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

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/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 Product Feature of Equipment Under Test

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

1.4 Product Specification of Equipment Under Test

Product Feature	
Tx/Rx Frequency	LTE Band 42: 3450 MHz ~ 3550 MHz
Bandwidth	5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 42 : 23.85 dBm LTE Band CA_42C : 21.80 dBm
Antenna Gain	<Ant.1>: LTE Band 42 : 3.48 dBi
Antenna Type	Dipole Antenna
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Note: LTE Band42 supports HPUE mode (Power Class 2).

1.5 Modification of EUT

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

1.6 Maximum Conducted Power

LTE Band 42		QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Maximum Conducted power (W)
5	3452.5 ~ 3547.5	0.2388	0.2032
10	3455 ~ 3545	0.2399	0.1986
15	3457.5 ~ 3542.5	0.2393	0.2042
20	3460 ~ 3540	0.2427	0.2051

LTE Band 42_CA		QPSK	16QAM/64QAM/256QAM
BW (MHz)		Maximum Conducted power (W)	Maximum Conducted power (W)
20MHz+20MHz		0.1514	0.1245
20MHz+15MHz		0.1479	0.1202
15MHz+20MHz		0.1476	0.1205
20MHz+10MHz		0.1479	0.1211
10MHz+20MHz		0.1466	0.1225
20MHz+5MHz		0.1493	0.1191
5MHz+20MHz		0.1483	0.1227

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

1.7 Testing Site

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

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

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

1.8 Test Software

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

1.9 Applied Standards

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

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

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

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

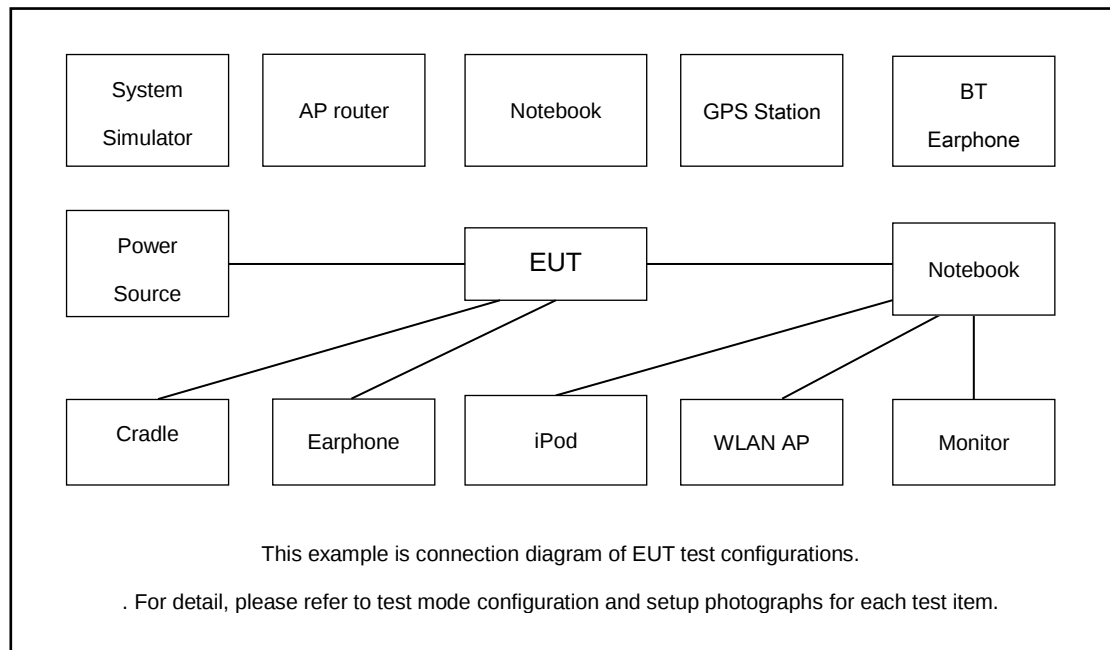
Test Cases	Band	Bandwidth (MHz)	Modulation	RB #	Test Channel
		eg. 5M, 10M, 15M, 20M	eg. QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L/M/H
Max. Output Power	LTE Band 42	5M, 10M, 15M, 20M	QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L, M, H
E.I.R.P	LTE Band 42	5M, 10M, 15M, 20M	QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L, M, H
Radiated Spurious Emission	LTE Band 42	Worst case from maximum power			L, M, H

Note:

The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.

Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel		
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	42C_CA	v	v	v	v	v	v	v	-	-	-	v	v	v	v	v		v	v	v	v
E.I.R.P.	42C_CA	v	v	v	v	v	v	v	-	-	-	v	v	v	v	v		v	v	v	v
Radiated Spurious Emission	42C_CA	Worst Case																	v	v	v
Note	1. The mark “v” means that this configuration is chosen for testing 2. The mark “-“ means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																				

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

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

2.4 Frequency List of Low/Middle/High Channels

LTE Band 42 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	42190	42590	42990
	Frequency	3460	3500	3540
15	Channel	42165	42590	43015
	Frequency	3457.5	3500	3542.5
10	Channel	42140	42590	43040
	Frequency	3455	3500	3545
5	Channel	42115	42590	43065
	Frequency	3452.5	3500	3547.5

LTE Band 42C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	42190	42590	42792
		Frequency	3460	3500	3520.2
	SCC	Channel	42388	42788	42990
		Frequency	3479.8	3519.8	3540
20 + 15	PCC	Channel	42190	42590	42844
		Frequency	3460	3500	3525.4
	SCC	Channel	42361	42761	43015
		Frequency	3477.1	3517.1	3542.5
15 + 20	PCC	Channel	42165	42590	42819
		Frequency	3457.5	3500	3522.9
	SCC	Channel	42336	42761	42990
		Frequency	3474.6	3517.1	3540
20 + 10	PCC	Channel	42190	42590	42896
		Frequency	3460	3500	3530.6
	SCC	Channel	42334	42734	43040
		Frequency	3474.4	3514.4	3545
10 + 20	PCC	Channel	42140	42590	42846
		Frequency	3455	3500	3525.6
	SCC	Channel	42284	42734	42990
		Frequency	3469.4	3514.4	3540
20 + 5	PCC	Channel	42190	42590	42948
		Frequency	3460	3500	3535.8
	SCC	Channel	42307	42707	43065
		Frequency	3471.7	3511.7	3547.5
5 + 20	PCC	Channel	42115	42590	42873
		Frequency	3452.5	3500	3528.3
	SCC	Channel	42232	42707	42990
		Frequency	3464.2	3511.7	3540

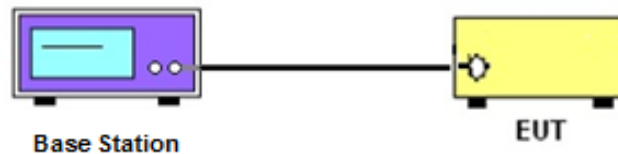
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

3.2.1 Conducted Output Power



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power Measurement

3.4.1 Description of the Conducted Output Power Measurement

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

3.4.2 Test Procedures

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

3.5 EIRP

3.5.1 Description of EIRP Limit

§ 27.50 (k)(3)

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

3.5.2 Test Procedures

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

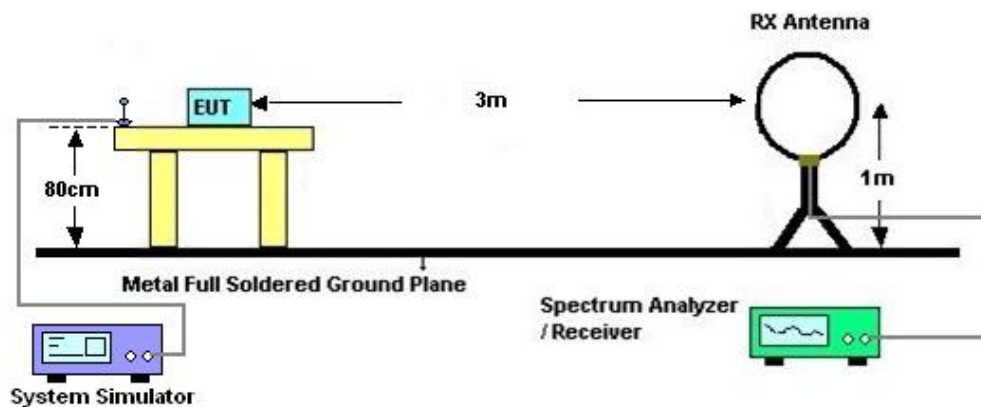
4 Radiated Test Items

4.1 Measuring Instruments

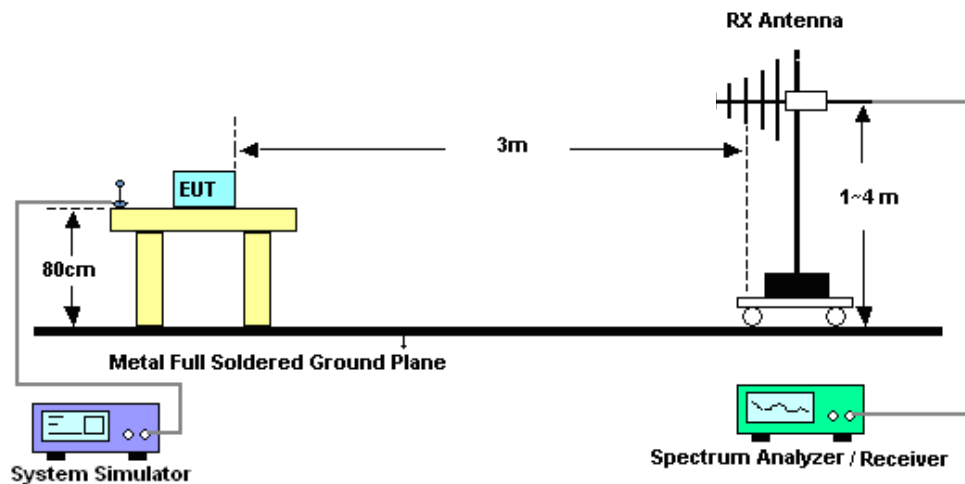
See list of measuring instruments of this test report.

4.2 Test Setup

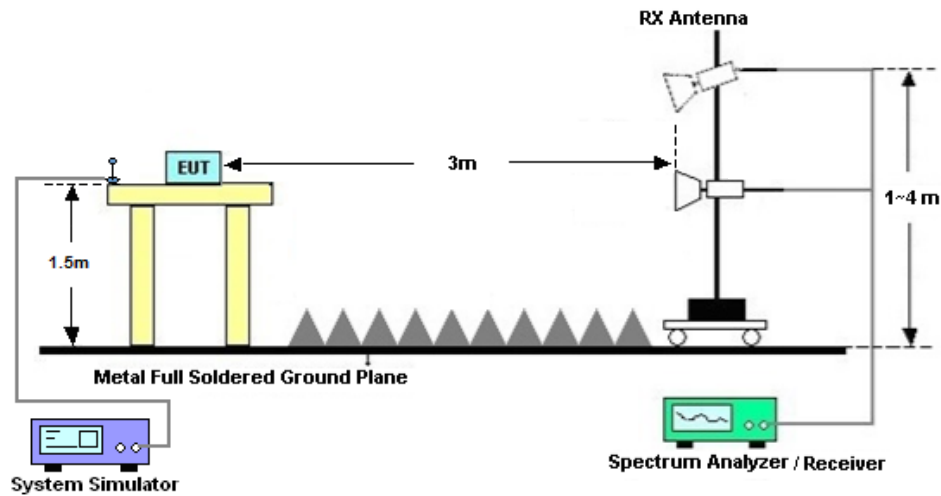
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission Measurement

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges shall not exceed -13 dBm/MHz.

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

4.4.2 Test Procedures

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



5 List of Measuring Equipment

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

NCR: No Calibration Required

6 Measurement Uncertainty

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

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	±1.34 dB

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

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

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

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

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

Appendix A. Test Results of Conducted Test

Test Engineer :	Eason Wu	Temperature :	22~23°C
		Relative Humidity :	40~42%

Conducted Output Power(Average power) and EIRP

LTE Band 42

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540	L	M	H
20	QPSK	1	0	23.81	23.85	23.67	0.5358	0.5408	0.5188
20	QPSK	1	49	23.78	23.83	23.63	0.5321	0.5383	0.5140
20	QPSK	1	99	23.70	23.67	23.55	0.5224	0.5188	0.5047
20	QPSK	50	0	22.81	22.75	22.61	0.4256	0.4198	0.4064
20	QPSK	50	24	22.82	22.77	22.73	0.4266	0.4217	0.4178
20	QPSK	50	50	22.72	22.71	22.62	0.4169	0.4159	0.4074
20	QPSK	100	0	22.82	22.65	22.57	0.4266	0.4102	0.4027
20	16QAM	1	0	23.09	22.99	23.00	0.4539	0.4436	0.4446
20	16QAM	1	49	23.11	23.12	22.99	0.4560	0.4571	0.4436
20	16QAM	1	99	22.94	22.96	22.78	0.4385	0.4406	0.4227
20	16QAM	50	0	21.89	21.76	21.64	0.3443	0.3342	0.3251
20	16QAM	50	24	21.85	21.79	21.73	0.3412	0.3365	0.3319
20	16QAM	50	50	21.71	21.74	21.63	0.3304	0.3327	0.3243
20	16QAM	100	0	21.80	21.69	21.64	0.3373	0.3289	0.3251
20	64QAM	1	0	21.98	21.93	21.88	0.3516	0.3475	0.3436
20	64QAM	1	49	22.04	21.96	21.78	0.3565	0.3499	0.3357
20	64QAM	1	99	21.75	21.92	21.75	0.3334	0.3467	0.3334
20	64QAM	50	0	20.87	20.77	20.68	0.2723	0.2661	0.2606
20	64QAM	50	24	20.83	20.87	20.73	0.2698	0.2723	0.2636
20	64QAM	50	50	20.74	20.77	20.65	0.2642	0.2661	0.2588
20	64QAM	100	0	20.79	20.67	20.60	0.2673	0.2600	0.2559
20	256QAM	1	0	18.70	18.63	18.49	0.1652	0.1626	0.1574
20	256QAM	1	49	18.68	18.74	18.58	0.1644	0.1667	0.1607
20	256QAM	1	99	18.63	18.68	18.53	0.1626	0.1644	0.1589
20	256QAM	50	0	18.69	18.68	18.47	0.1648	0.1644	0.1567
20	256QAM	50	24	18.69	18.60	18.55	0.1648	0.1614	0.1596
20	256QAM	50	50	18.59	18.61	18.60	0.1611	0.1618	0.1614
20	256QAM	100	0	18.59	18.74	18.56	0.1611	0.1667	0.1600
Channel				42165	42590	43015	EIRP(W)		
Frequency (MHz)				3457.5	3500	3542.5	L	M	H
15	QPSK	1	0	23.79	23.76	23.52	0.5333	0.5297	0.5012
15	QPSK	1	37	23.74	23.70	23.54	0.5272	0.5224	0.5035



15	QPSK	1	74	23.56	23.54	23.43	0.5058	0.5035	0.4909
15	QPSK	36	0	22.80	22.60	22.54	0.4246	0.4055	0.3999
15	QPSK	36	20	22.74	22.65	22.72	0.4188	0.4102	0.4169
15	QPSK	36	39	22.68	22.57	22.47	0.4130	0.4027	0.3936
15	QPSK	75	0	22.79	22.59	22.45	0.4236	0.4046	0.3917
15	16QAM	1	0	23.01	22.88	22.88	0.4457	0.4325	0.4325
15	16QAM	1	37	23.09	23.10	22.90	0.4539	0.4550	0.4345
15	16QAM	1	74	22.88	22.91	22.74	0.4325	0.4355	0.4188
15	16QAM	36	0	21.88	21.64	21.50	0.3436	0.3251	0.3148
15	16QAM	36	20	21.76	21.72	21.65	0.3342	0.3311	0.3258
15	16QAM	36	39	21.66	21.69	21.53	0.3266	0.3289	0.3170
15	16QAM	75	0	21.69	21.63	21.59	0.3289	0.3243	0.3214
15	64QAM	1	0	21.91	21.83	21.81	0.3459	0.3396	0.3381
15	64QAM	1	37	22.01	21.87	21.70	0.3540	0.3428	0.3296
15	64QAM	1	74	21.61	21.85	21.65	0.3228	0.3412	0.3258
15	64QAM	36	0	20.79	20.68	20.67	0.2673	0.2606	0.2600
15	64QAM	36	20	20.78	20.86	20.70	0.2667	0.2716	0.2618
15	64QAM	36	39	20.67	20.69	20.52	0.2600	0.2612	0.2512
15	64QAM	75	0	20.66	20.62	20.46	0.2594	0.2570	0.2477
15	256QAM	1	0	18.70	18.71	18.49	0.1652	0.1656	0.1574
15	256QAM	1	37	18.70	18.73	18.53	0.1652	0.1663	0.1589
15	256QAM	1	74	18.63	18.60	18.49	0.1626	0.1614	0.1574
15	256QAM	36	0	18.60	18.74	18.52	0.1614	0.1667	0.1585
15	256QAM	36	20	18.68	18.70	18.60	0.1644	0.1652	0.1614
15	256QAM	36	39	18.60	18.72	18.52	0.1614	0.1660	0.1585
15	256QAM	75	0	18.60	18.65	18.57	0.1614	0.1633	0.1603
Channel				42140	42590	43040	EIRP(W)		
Frequency (MHz)				3455	3500	3545	L	M	H
10	QPSK	1	0	23.68	23.80	23.54	0.5200	0.5346	0.5035
10	QPSK	1	25	23.70	23.77	23.50	0.5224	0.5309	0.4989
10	QPSK	1	49	23.64	23.54	23.40	0.5152	0.5035	0.4875
10	QPSK	25	0	22.79	22.65	22.51	0.4236	0.4102	0.3972
10	QPSK	25	12	22.78	22.73	22.67	0.4227	0.4178	0.4121
10	QPSK	25	25	22.59	22.59	22.49	0.4046	0.4046	0.3954
10	QPSK	50	0	22.67	22.61	22.43	0.4121	0.4064	0.3899
10	16QAM	1	0	22.94	22.96	22.87	0.4385	0.4406	0.4315
10	16QAM	1	25	22.98	22.97	22.97	0.4426	0.4416	0.4416
10	16QAM	1	49	22.86	22.88	22.77	0.4305	0.4325	0.4217
10	16QAM	25	0	21.81	21.61	21.50	0.3381	0.3228	0.3148
10	16QAM	25	12	21.81	21.65	21.65	0.3381	0.3258	0.3258
10	16QAM	25	25	21.58	21.61	21.57	0.3206	0.3228	0.3199
10	16QAM	50	0	21.73	21.58	21.59	0.3319	0.3206	0.3214
10	64QAM	1	0	21.87	21.83	21.74	0.3428	0.3396	0.3327
10	64QAM	1	25	21.99	21.88	21.63	0.3524	0.3436	0.3243
10	64QAM	1	49	21.63	21.80	21.74	0.3243	0.3373	0.3327
10	64QAM	25	0	20.84	20.63	20.66	0.2704	0.2576	0.2594
10	64QAM	25	12	20.72	20.80	20.60	0.2630	0.2679	0.2559



10	64QAM	25	25	20.64	20.66	20.55	0.2582	0.2594	0.2529
10	64QAM	50	0	20.70	20.58	20.46	0.2618	0.2547	0.2477
10	256QAM	1	0	18.66	18.63	18.48	0.1637	0.1626	0.1570
10	256QAM	1	25	18.57	18.73	18.52	0.1603	0.1663	0.1585
10	256QAM	1	49	18.67	18.62	18.47	0.1641	0.1622	0.1567
10	256QAM	25	0	18.65	18.69	18.59	0.1633	0.1648	0.1611
10	256QAM	25	12	18.66	18.65	18.49	0.1637	0.1633	0.1574
10	256QAM	25	25	18.60	18.64	18.48	0.1614	0.1629	0.1570
10	256QAM	50	0	18.69	18.70	18.49	0.1648	0.1652	0.1574
Channel				42115	42590	43065	EIRP(W)		
Frequency (MHz)				3452.5	3500	3547.5	L	M	H
5	QPSK	1	0	23.72	23.71	23.58	0.5248	0.5236	0.5082
5	QPSK	1	12	23.73	23.78	23.56	0.5260	0.5321	0.5058
5	QPSK	1	24	23.59	23.66	23.42	0.5093	0.5176	0.4898
5	QPSK	12	0	22.76	22.60	22.47	0.4207	0.4055	0.3936
5	QPSK	12	7	22.73	22.64	22.64	0.4178	0.4093	0.4093
5	QPSK	12	13	22.61	22.69	22.56	0.4064	0.4140	0.4018
5	QPSK	25	0	22.77	22.51	22.54	0.4217	0.3972	0.3999
5	16QAM	1	0	23.08	22.88	22.89	0.4529	0.4325	0.4335
5	16QAM	1	12	23.08	23.02	22.85	0.4529	0.4467	0.4295
5	16QAM	1	24	22.80	22.92	22.68	0.4246	0.4365	0.4130
5	16QAM	12	0	21.82	21.74	21.61	0.3388	0.3327	0.3228
5	16QAM	12	7	21.70	21.68	21.70	0.3296	0.3281	0.3296
5	16QAM	12	13	21.70	21.59	21.53	0.3296	0.3214	0.3170
5	16QAM	25	0	21.77	21.54	21.49	0.3350	0.3177	0.3141
5	64QAM	1	0	21.85	21.80	21.76	0.3412	0.3373	0.3342
5	64QAM	1	12	22.00	21.83	21.72	0.3532	0.3396	0.3311
5	64QAM	1	24	21.73	21.89	21.61	0.3319	0.3443	0.3228
5	64QAM	12	0	20.74	20.67	20.64	0.2642	0.2600	0.2582
5	64QAM	12	7	20.80	20.75	20.62	0.2679	0.2649	0.2570
5	64QAM	12	13	20.63	20.72	20.53	0.2576	0.2630	0.2518
5	64QAM	25	0	20.68	20.59	20.45	0.2606	0.2553	0.2472
5	256QAM	1	0	18.60	18.70	18.52	0.1614	0.1652	0.1585
5	256QAM	1	12	18.62	18.60	18.51	0.1622	0.1614	0.1581
5	256QAM	1	24	18.69	18.63	18.49	0.1648	0.1626	0.1574
5	256QAM	12	0	18.57	18.68	18.52	0.1603	0.1644	0.1585
5	256QAM	12	7	18.70	18.67	18.54	0.1652	0.1641	0.1592
5	256QAM	12	13	18.65	18.64	18.48	0.1633	0.1629	0.1570
5	256QAM	25	0	18.62	18.72	18.47	0.1622	0.1660	0.1567



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Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 42190_42388	QPSK	Max	0	Max	0	20.15	0.2307
	QPSK	1	0	1	Max	13.60	0.0511
	QPSK	1	Max	1	0	21.80	0.3373
M 42491_42689	QPSK	Max	0	Max	0	19.95	0.2203
	QPSK	1	0	1	Max	13.45	0.0493
	QPSK	1	Max	1	0	21.59	0.3214
H 42792_42990	QPSK	Max	0	Max	0	20.10	0.2280
	QPSK	1	0	1	Max	13.57	0.0507
	QPSK	1	Max	1	0	21.76	0.3342
L 42190_42388	16QAM	Max	0	Max	0	19.18	0.1845
	16QAM	1	0	1	Max	13.62	0.0513
	16QAM	1	Max	1	0	20.95	0.2773
M 42491_42689	16QAM	Max	0	Max	0	19.03	0.1782
	16QAM	1	0	1	Max	13.48	0.0497
	16QAM	1	Max	1	0	20.73	0.2636
H 42792_42990	16QAM	Max	0	Max	0	19.13	0.1824
	16QAM	1	0	1	Max	13.62	0.0513
	16QAM	1	Max	1	0	20.86	0.2716
L 42190_42388	64QAM	Max	0	Max	0	19.31	0.1901
	64QAM	1	0	1	Max	14.22	0.0589
	64QAM	1	Max	1	0	20.63	0.2576
M 42491_42689	64QAM	Max	0	Max	0	19.05	0.1791
	64QAM	1	0	1	Max	14.04	0.0565
	64QAM	1	Max	1	0	20.39	0.2438
H 42792_42990	64QAM	Max	0	Max	0	19.09	0.1807
	64QAM	1	0	1	Max	13.93	0.0551
	64QAM	1	Max	1	0	20.45	0.2472
L 42190_42388	256QAM	Max	0	Max	0	17.27	0.1189
	256QAM	1	0	1	Max	14.02	0.0562
	256QAM	1	Max	1	0	17.30	0.1197
M 42491_42689	256QAM	Max	0	Max	0	17.10	0.1143
	256QAM	1	0	1	Max	13.87	0.0543
	256QAM	1	Max	1	0	17.19	0.1167
H 42792_42990	256QAM	Max	0	Max	0	17.12	0.1148
	256QAM	1	0	1	Max	13.75	0.0528
	256QAM	1	Max	1	0	17.29	0.1194
Combination 20MHz+15MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 42190_42361	QPSK	Max	0	Max	0	20.07	0.2265
	QPSK	1	0	1	Max	13.42	0.0490
	QPSK	1	Max	1	0	21.70	0.3296
M	QPSK	Max	0	Max	0	19.83	0.2143



42516_42687	QPSK	1	0	1	Max	13.40	0.0488
	QPSK	1	Max	1	0	21.44	0.3105
H 42841_43012	QPSK	Max	0	Max	0	19.97	0.2213
	QPSK	1	0	1	Max	13.51	0.0500
	QPSK	1	Max	1	0	21.69	0.3289
L 42190_42361	16QAM	Max	0	Max	0	19.03	0.1782
	16QAM	1	0	1	Max	13.57	0.0507
	16QAM	1	Max	1	0	20.80	0.2679
M 42516_42687	16QAM	Max	0	Max	0	18.90	0.1730
	16QAM	1	0	1	Max	13.42	0.0490
	16QAM	1	Max	1	0	20.64	0.2582
H 42841_43012	16QAM	Max	0	Max	0	19.05	0.1791
	16QAM	1	0	1	Max	13.50	0.0499
	16QAM	1	Max	1	0	20.75	0.2649
L 42190_42361	64QAM	Max	0	Max	0	19.15	0.1832
	64QAM	1	0	1	Max	14.04	0.0565
	64QAM	1	Max	1	0	20.46	0.2477
M 42516_42687	64QAM	Max	0	Max	0	18.88	0.1722
	64QAM	1	0	1	Max	13.87	0.0543
	64QAM	1	Max	1	0	20.32	0.2399
H 42841_43012	64QAM	Max	0	Max	0	18.90	0.1730
	64QAM	1	0	1	Max	13.83	0.0538
	64QAM	1	Max	1	0	20.25	0.2360
L 42190_42361	256QAM	Max	0	Max	0	17.17	0.1161
	256QAM	1	0	1	Max	13.93	0.0551
	256QAM	1	Max	1	0	17.23	0.1178
M 42516_42687	256QAM	Max	0	Max	0	16.98	0.1112
	256QAM	1	0	1	Max	13.68	0.0520
	256QAM	1	Max	1	0	17.02	0.1122
H 42841_43012	256QAM	Max	0	Max	0	16.97	0.1109
	256QAM	1	0	1	Max	13.58	0.0508
	256QAM	1	Max	1	0	17.15	0.1156
Combination 15MHz+20MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 42168_42339	QPSK	Max	0	Max	0	19.99	0.2223
	QPSK	1	0	1	Max	13.41	0.0489
	QPSK	1	Max	1	0	21.69	0.3289
M 42493_42664	QPSK	Max	0	Max	0	19.77	0.2113
	QPSK	1	0	1	Max	13.28	0.0474
	QPSK	1	Max	1	0	21.49	0.3141
H 42819_42990	QPSK	Max	0	Max	0	19.93	0.2193
	QPSK	1	0	1	Max	13.48	0.0497
	QPSK	1	Max	1	0	21.61	0.3228
L 42168_42339	16QAM	Max	0	Max	0	18.99	0.1766
	16QAM	1	0	1	Max	13.55	0.0505
	16QAM	1	Max	1	0	20.81	0.2685



M 42493_42664	16QAM	Max	0	Max	0	18.97	0.1758
	16QAM	1	0	1	Max	13.30	0.0476
	16QAM	1	Max	1	0	20.54	0.2523
H 42819_42990	16QAM	Max	0	Max	0	18.94	0.1746
	16QAM	1	0	1	Max	13.46	0.0494
	16QAM	1	Max	1	0	20.75	0.2649
L 42168_42339	64QAM	Max	0	Max	0	19.15	0.1832
	64QAM	1	0	1	Max	14.07	0.0569
	64QAM	1	Max	1	0	20.47	0.2483
M 42493_42664	64QAM	Max	0	Max	0	18.93	0.1742
	64QAM	1	0	1	Max	13.95	0.0553
	64QAM	1	Max	1	0	20.26	0.2366
H 42819_42990	64QAM	Max	0	Max	0	18.97	0.1758
	64QAM	1	0	1	Max	13.74	0.0527
	64QAM	1	Max	1	0	20.40	0.2443
L 42168_42339	256QAM	Max	0	Max	0	17.07	0.1135
	256QAM	1	0	1	Max	13.97	0.0556
	256QAM	1	Max	1	0	17.10	0.1143
M 42493_42664	256QAM	Max	0	Max	0	16.98	0.1112
	256QAM	1	0	1	Max	13.71	0.0524
	256QAM	1	Max	1	0	17.10	0.1143
H 42819_42990	256QAM	Max	0	Max	0	16.99	0.1114
	256QAM	1	0	1	Max	13.60	0.0511
	256QAM	1	Max	1	0	17.09	0.1140
Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 42190_42334	QPSK	Max	0	Max	0	19.98	0.2218
	QPSK	1	0	1	Max	13.54	0.0504
	QPSK	1	Max	1	0	21.70	0.3296
M 42541_42685	QPSK	Max	0	Max	0	19.89	0.2173
	QPSK	1	0	1	Max	13.34	0.0481
	QPSK	1	Max	1	0	21.42	0.3090
H 42891_43035	QPSK	Max	0	Max	0	20.04	0.2249
	QPSK	1	0	1	Max	13.39	0.0486
	QPSK	1	Max	1	0	21.69	0.3289
L 42190_42334	16QAM	Max	0	Max	0	18.99	0.1766
	16QAM	1	0	1	Max	13.57	0.0507
	16QAM	1	Max	1	0	20.83	0.2698
M 42541_42685	16QAM	Max	0	Max	0	18.88	0.1722
	16QAM	1	0	1	Max	13.35	0.0482
	16QAM	1	Max	1	0	20.56	0.2535
H 42891_43035	16QAM	Max	0	Max	0	18.97	0.1758
	16QAM	1	0	1	Max	13.43	0.0491
	16QAM	1	Max	1	0	20.80	0.2679
L 42190_42334	64QAM	Max	0	Max	0	19.13	0.1824
	64QAM	1	0	1	Max	14.05	0.0566
	64QAM	1	Max	1	0	20.48	0.2489
M 42541_42685	64QAM	Max	0	Max	0	18.95	0.1750
	64QAM	1	0	1	Max	13.97	0.0556
	64QAM	1	Max	1	0	20.22	0.2344



H 42891_43035	64QAM	Max	0	Max	0	19.04	0.1786
	64QAM	1	0	1	Max	13.76	0.0530
	64QAM	1	Max	1	0	20.35	0.2415
L 42190_42334	256QAM	Max	0	Max	0	17.07	0.1135
	256QAM	1	0	1	Max	13.93	0.0551
	256QAM	1	Max	1	0	17.23	0.1178
M 42541_42685	256QAM	Max	0	Max	0	16.91	0.1094
	256QAM	1	0	1	Max	13.70	0.0522
	256QAM	1	Max	1	0	17.07	0.1135
H 42891_43035	256QAM	Max	0	Max	0	16.95	0.1104
	256QAM	1	0	1	Max	13.69	0.0521
	256QAM	1	Max	1	0	17.24	0.1180
Combination 10MHz+20MHz (50RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 42145_42289	QPSK	Max	0	Max	0	19.96	0.2208
	QPSK	1	0	1	Max	13.46	0.0494
	QPSK	1	Max	1	0	21.61	0.3228
M 42496_42640	QPSK	Max	0	Max	0	19.77	0.2113
	QPSK	1	0	1	Max	13.39	0.0486
	QPSK	1	Max	1	0	21.48	0.3133
H 42846_42990	QPSK	Max	0	Max	0	20.01	0.2234
	QPSK	1	0	1	Max	13.50	0.0499
	QPSK	1	Max	1	0	21.66	0.3266
L 42145_42289	16QAM	Max	0	Max	0	18.98	0.1762
	16QAM	1	0	1	Max	13.52	0.0501
	16QAM	1	Max	1	0	20.88	0.2729
M 42496_42640	16QAM	Max	0	Max	0	18.88	0.1722
	16QAM	1	0	1	Max	13.35	0.0482
	16QAM	1	Max	1	0	20.63	0.2576
H 42846_42990	16QAM	Max	0	Max	0	18.97	0.1758
	16QAM	1	0	1	Max	13.56	0.0506
	16QAM	1	Max	1	0	20.76	0.2655
L 42145_42289	64QAM	Max	0	Max	0	19.24	0.1871
	64QAM	1	0	1	Max	14.12	0.0575
	64QAM	1	Max	1	0	20.45	0.2472
M 42496_42640	64QAM	Max	0	Max	0	18.87	0.1718
	64QAM	1	0	1	Max	13.92	0.0550
	64QAM	1	Max	1	0	20.23	0.2350
H 42846_42990	64QAM	Max	0	Max	0	18.97	0.1758
	64QAM	1	0	1	Max	13.83	0.0538
	64QAM	1	Max	1	0	20.27	0.2371
L 42145_42289	256QAM	Max	0	Max	0	17.13	0.1151
	256QAM	1	0	1	Max	13.82	0.0537
	256QAM	1	Max	1	0	17.24	0.1180
M 42496_42640	256QAM	Max	0	Max	0	16.91	0.1094
	256QAM	1	0	1	Max	13.78	0.0532
	256QAM	1	Max	1	0	17.07	0.1135
H 42846_42990	256QAM	Max	0	Max	0	16.98	0.1112
	256QAM	1	0	1	Max	13.55	0.0505
	256QAM	1	Max	1	0	17.23	0.1178
Combination 20MHz+5MHz (100RB+25RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	Max	0	Max	0	20.06	0.2259



42190_42307	QPSK	1	0	1	Max	13.48	0.0497
	QPSK	1	Max	1	0	21.74	0.3327
M 42565_42682	QPSK	Max	0	Max	0	19.90	0.2178
	QPSK	1	0	1	Max	13.32	0.0479
H 42940_43057	QPSK	1	Max	1	0	21.48	0.3133
	QPSK	Max	0	Max	0	20.02	0.2239
L 42190_42307	QPSK	1	0	1	Max	13.49	0.0498
	QPSK	1	Max	1	0	21.70	0.3296
L 42190_42307	16QAM	Max	0	Max	0	19.07	0.1799
	16QAM	1	0	1	Max	13.46	0.0494
M 42565_42682	16QAM	1	Max	1	0	20.76	0.2655
	16QAM	Max	0	Max	0	18.84	0.1706
H 42940_43057	16QAM	1	0	1	Max	13.41	0.0489
	16QAM	1	Max	1	0	20.64	0.2582
L 42190_42307	16QAM	Max	0	Max	0	19.03	0.1782
	16QAM	1	0	1	Max	13.42	0.0490
M 42565_42682	16QAM	1	Max	1	0	20.75	0.2649
	64QAM	Max	0	Max	0	19.22	0.1862
H 42940_43057	64QAM	1	0	1	Max	14.06	0.0568
	64QAM	1	Max	1	0	20.46	0.2477
L 42190_42307	64QAM	Max	0	Max	0	18.99	0.1766
	64QAM	1	0	1	Max	13.92	0.0550
M 42565_42682	64QAM	1	Max	1	0	20.23	0.2350
	64QAM	Max	0	Max	0	18.98	0.1762
H 42940_43057	64QAM	1	0	1	Max	13.83	0.0538
	64QAM	1	Max	1	0	20.33	0.2404
L 42190_42307	256QAM	Max	0	Max	0	17.08	0.1138
	256QAM	1	0	1	Max	13.93	0.0551
M 42565_42682	256QAM	1	Max	1	0	17.13	0.1151
	256QAM	Max	0	Max	0	17.05	0.1130
H 42940_43057	256QAM	1	0	1	Max	13.76	0.0530
	256QAM	1	Max	1	0	17.02	0.1122
L 42190_42307	256QAM	Max	0	Max	0	17.01	0.1119
	256QAM	1	0	1	Max	13.60	0.0511
M 42565_42682	256QAM	1	Max	1	0	17.13	0.1151
	256QAM	Max	0	Max	0	17.05	0.1130
H 42940_43057	256QAM	1	0	1	Max	13.76	0.0530
	256QAM	1	Max	1	0	17.02	0.1122
Combination 5MHz+20MHz (25RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 42123_42240	QPSK	Max	0	Max	0	19.98	0.2218
	QPSK	1	0	1	Max	13.47	0.0495
M 42498_42615	QPSK	1	Max	1	0	21.71	0.3304
	QPSK	Max	0	Max	0	19.90	0.2178
H 42498_42990	QPSK	1	0	1	Max	13.36	0.0483
	QPSK	1	Max	1	0	21.41	0.3083
L 42123_42240	QPSK	Max	0	Max	0	19.98	0.2218
	QPSK	1	0	1	Max	13.42	0.0490
M 42498_42615	QPSK	1	Max	1	0	21.66	0.3266
	16QAM	Max	0	Max	0	19.03	0.1782
H 42498_42990	16QAM	1	0	1	Max	13.55	0.0505
	16QAM	1	Max	1	0	20.89	0.2735
L 42123_42240	16QAM	Max	0	Max	0	18.84	0.1706
	16QAM	1	0	1	Max	13.32	0.0479
M 42498_42615	16QAM	1	Max	1	0	20.68	0.2606
	16QAM	Max	0	Max	0	18.94	0.1746
H 42498_42990	16QAM	1	0	1	Max	13.52	0.0501
	16QAM	1	Max	1	0	20.64	0.2582

	16QAM	1	Max	1	0	20.75	0.2649
L 42123_42240	64QAM	Max	0	Max	0	19.14	0.1828
	64QAM	1	0	1	Max	14.05	0.0566
	64QAM	1	Max	1	0	20.57	0.2541
M 42498_42615	64QAM	Max	0	Max	0	18.98	0.1762
	64QAM	1	0	1	Max	13.85	0.0541
	64QAM	1	Max	1	0	20.24	0.2355
H 42498_42990	64QAM	Max	0	Max	0	18.93	0.1742
	64QAM	1	0	1	Max	13.83	0.0538
	64QAM	1	Max	1	0	20.36	0.2421
L 42123_42240	256QAM	Max	0	Max	0	17.09	0.1140
	256QAM	1	0	1	Max	13.85	0.0541
	256QAM	1	Max	1	0	17.11	0.1146
M 42498_42615	256QAM	Max	0	Max	0	17.05	0.1130
	256QAM	1	0	1	Max	13.72	0.0525
	256QAM	1	Max	1	0	17.05	0.1130
H 42498_42990	256QAM	Max	0	Max	0	16.92	0.1096
	256QAM	1	0	1	Max	13.60	0.0511
	256QAM	1	Max	1	0	17.19	0.1167

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

LTE Band 42 / 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	6902.00	-60.33	-13	-47.33	-65.05	-63.66	8.25	11.58	H
	10353.00	-56.04	-13	-43.04	-67.68	-57.59	10.45	12.00	H
	13804.00	-52.79	-13	-39.79	-68.10	-54.50	11.74	13.45	H
	6902.00	-59.86	-13	-46.86	-65.06	-63.19	8.25	11.58	V
	10353.00	-56.71	-13	-43.71	-67.48	-58.26	10.45	12.00	V
	13804.00	-53.22	-13	-40.22	-67.87	-54.93	11.74	13.45	V
Middle	6982.00	-60.33	-13	-47.33	-65.67	-63.63	8.30	11.60	H
	10473.00	-56.43	-13	-43.43	-68.31	-57.95	10.48	12.00	H
	13964.00	-51.96	-13	-38.96	-67.49	-53.66	11.80	13.50	H
	6982.00	-59.92	-13	-46.92	-65.72	-63.22	8.30	11.60	V
	10473.00	-57.09	-13	-44.09	-68.36	-58.61	10.48	12.00	V
	13964.00	-52.04	-13	-39.04	-67.18	-53.74	11.80	13.50	V
Highest	7062.00	-59.80	-13	-46.80	-65.45	-63.10	8.32	11.62	H
	10593.00	-56.09	-13	-43.09	-68.39	-57.77	10.52	12.20	H
	14124.00	-50.88	-13	-37.88	-66.97	-52.58	11.85	13.55	H
	7062.00	-59.48	-13	-46.48	-65.55	-62.78	8.32	11.62	V
	10593.00	-56.46	-13	-43.46	-68.27	-58.14	10.52	12.20	V
	14124.00	-51.68	-13	-38.68	-67.37	-53.38	11.85	13.55	V

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

LTE Band CA_42C / 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	6939.80	-60.14	-13	-47.14	-65.11	-63.47	8.25	11.58	H
	10409.70	-56.77	-13	-43.77	-68.52	-58.32	10.45	12.00	H
	13879.60	-52.38	-13	-39.38	-67.79	-54.09	11.74	13.45	H
	6939.80	-60.00	-13	-47.00	-65.44	-63.33	8.25	11.58	V
	10409.70	-56.97	-13	-43.97	-68	-58.52	10.45	12.00	V
	13879.60	-52.66	-13	-39.66	-67.55	-54.37	11.74	13.45	V
Middle	7000.00	-60.22	-13	-47.22	-65.69	-63.52	8.30	11.60	H
	10500.00	-56.83	-13	-43.83	-68.76	-58.35	10.48	12.00	H
	14000.00	-51.78	-13	-38.78	-67.35	-53.48	11.80	13.50	H
	7000.00	-59.73	-13	-46.73	-65.65	-63.03	8.30	11.60	V
	10500.00	-57.52	-13	-44.52	-68.92	-59.04	10.48	12.00	V
	14000.00	-52.19	-13	-39.19	-67.42	-53.89	11.80	13.50	V
Highest	7060.20	-59.82	-13	-46.82	-65.42	-63.12	8.32	11.62	H
	10590.30	-55.95	-13	-42.95	-68.24	-57.63	10.52	12.20	H
	14120.40	-51.22	-13	-38.22	-67.31	-52.92	11.85	13.55	H
	7060.20	-59.58	-13	-46.58	-65.61	-62.88	8.32	11.62	V
	10590.30	-56.75	-13	-43.75	-68.55	-58.43	10.52	12.20	V
	14120.40	-51.69	-13	-38.69	-67.38	-53.39	11.85	13.55	V

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