FCC RF Test Report

APPLICANT	:	Ericsson Enterprise Wireless Solutions, Inc.
EQUIPMENT	:	5G Sub-6 GHz LGA Module
BRAND NAME	:	Ericsson
MODEL NAME	:	RG650V-NA
FCC ID	:	UXX-2024RG650VNA
STANDARD	:	47 CFR Part 27 Subpart O
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

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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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG4D0656F	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	Reporting Only	PASS	-
	§27.50(j)(3)	Equivalent Isotropic Radiated Power	EIRP < 1Watt		
4.4	§2.1053 §27.53(l)(2)	Radiated Spurious Emission	< $43+10\log_{10}$(P[Watts])	PASS	Under limit 36.45 dB at 14804.00 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

Standards-related Product Specification	
Tx/Rx Frequency	LTE Band 43: 3700 MHz ~ 3800 MHz
Bandwidth	5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 43 : 25.21 dBm LTE Band CA_43C : 22.52 dBm
Antenna Gain	<Ant.1>: 3.12 dBi
Antenna Type	Dipole Antenna
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Note: LTE Band43 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 43		QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Maximum Conducted power (W)
5	3702.5 ~ 3797.5	0.3281	0.2812
10	3705.0 ~ 3795.0	0.3319	0.2812
15	3707.5 ~ 3792.5	0.3090	0.2541
20	3710.0 ~ 3790.0	0.3126	0.2612

LTE Band 43 CA	QPSK	16QAM/64QAM/256QAM
BW (MHz)	Maximum Conducted power (W)	Maximum Conducted power (W)
20MHz+20MHz	0.1786	0.1517
20MHz+15MHz	0.1718	0.1449
15MHz+20MHz	0.1656	0.1416
20MHz+10MHz	0.1656	0.1622
10MHz+20MHz	0.1637	0.1426
20MHz+5MHz	0.1694	0.1416
5MHz+20MHz	0.1710	0.1439
15MHz+10MHz	0.1702	0.1406
10MHz+15MHz	0.1706	0.1426
15MHz+15MHz	0.1683	0.1422

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

1.7 Testing Location

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

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

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

1.8 Test Software

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

1.9 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

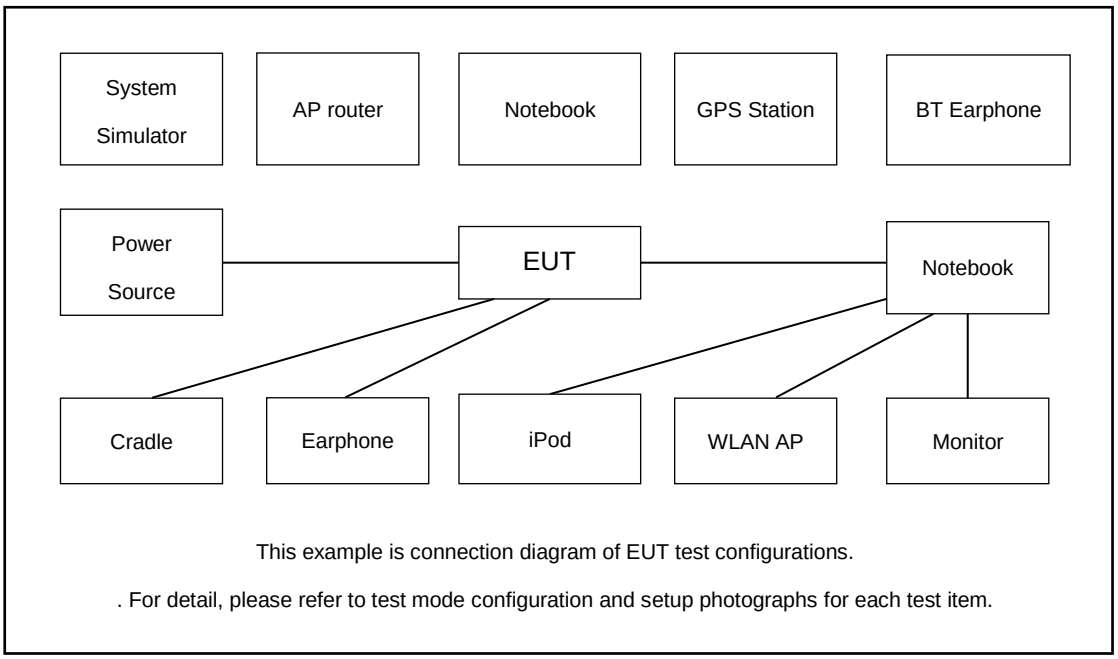
Antenna port conducted and radiated test items are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

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	1RB, Partial RB, Full RB	L/M/H
Max. Output Power	LTE Band 43	5M, 10M, 15M, 20M	QPSK, 16QAM, 64QAM, 256QAM	1RB, Full RB	L, M, H
E.I.R.P	LTE Band 43	5M, 10M, 15M, 20M	QPSK, 16QAM, 64QAM, 256QAM	1RB, Full RB	L, M, H
Radiated Spurious Emission	LTE Band 43	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	16 QAM	64 QAM	256 QAM	1	Half	Full	L	M	H
Max. Output Power	**43C_CA**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**		**v**	**v**	**v**	**v**
E.I.R.P.	**43C_CA**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**		**v**	**v**	**v**	**v**
Radiated Spurious Emission	**43C_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



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m

2.4 Frequency List of Low/Middle/High Channels

LTE Band 43 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	44690	45090	45490
	Frequency	3710	3750	3790
15	Channel	44665	45090	45515
	Frequency	3707.5	3750	3792.5
10	Channel	44640	45090	45540
	Frequency	3705	3750	3795
5	Channel	44615	45090	45565
	Frequency	3702.5	3750	3797.5

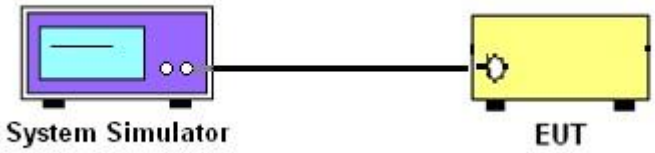
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

3.2.1 Conducted Output Power



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and EIRP

3.4.1 Description of the Conducted Output Power Measurement and EIRP Measurement

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

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 43.

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.4.2 Test Procedures

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

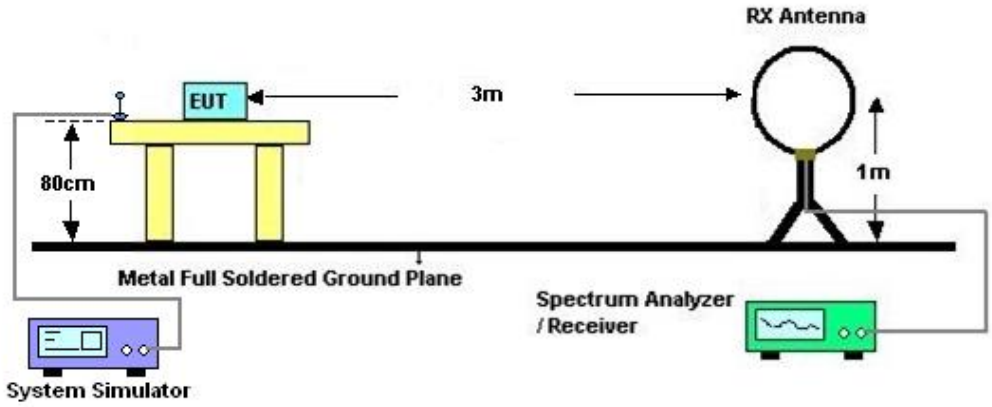
4 Radiated Test Items

4.1 Measuring Instruments

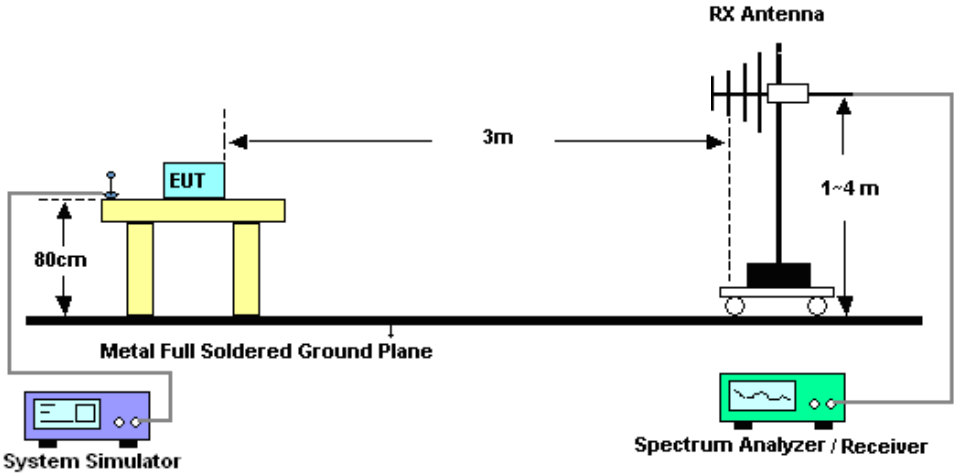
See list of measuring instruments of this test report.

4.2 Test Setup

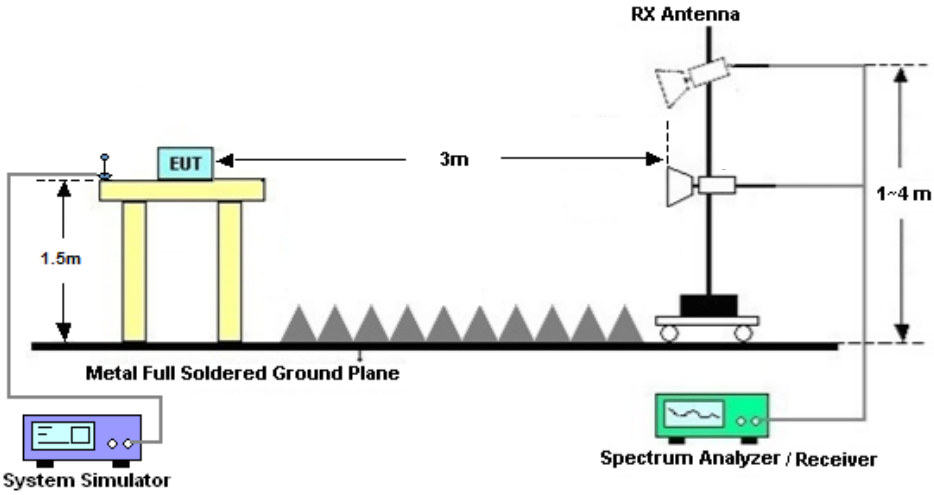
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

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

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
1. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
10. ERP (dBm) = EIRP - 2.15
11. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.

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

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 43:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				44690	45090	45490			
Frequency (MHz)				3710	3750	3790	L	M	H
20	QPSK	1	0	24.95	24.78	24.42	0.6412	0.6166	0.5675
20	QPSK	1	49	24.87	24.65	24.25	0.6295	0.5984	0.5458
20	QPSK	1	99	24.76	24.42	23.98	0.6138	0.5675	0.5129
20	QPSK	50	0	23.99	23.74	23.44	0.5140	0.4853	0.4529
20	QPSK	50	24	23.93	23.70	23.31	0.5070	0.4808	0.4395
20	QPSK	50	50	23.83	23.60	23.15	0.4955	0.4699	0.4236
20	QPSK	100	0	23.90	23.68	23.33	0.5035	0.4786	0.4416
20	16QAM	1	0	24.17	24.05	23.67	0.5358	0.5212	0.4775
20	16QAM	1	49	24.06	23.97	23.47	0.5224	0.5117	0.4560
20	16QAM	1	99	24.00	23.61	23.33	0.5152	0.4710	0.4416
20	16QAM	50	0	22.99	22.78	22.44	0.4083	0.3890	0.3597
20	16QAM	50	24	22.95	22.75	22.28	0.4046	0.3864	0.3467
20	16QAM	50	50	22.87	22.58	22.24	0.3972	0.3715	0.3436
20	16QAM	100	0	22.89	22.67	22.31	0.3990	0.3793	0.3491
20	64QAM	1	0	23.10	22.95	22.58	0.4188	0.4046	0.3715
20	64QAM	1	49	23.07	22.98	22.44	0.4159	0.4074	0.3597
20	64QAM	1	99	22.97	22.74	22.28	0.4064	0.3855	0.3467
20	64QAM	50	0	22.02	21.81	21.43	0.3266	0.3112	0.2851
20	64QAM	50	24	21.98	21.74	21.36	0.3236	0.3062	0.2805
20	64QAM	50	50	21.89	21.61	21.21	0.3170	0.2972	0.2710
20	64QAM	100	0	21.89	21.65	21.27	0.3170	0.2999	0.2748
20	256QAM	1	0	19.88	19.79	19.72	0.1995	0.1954	0.1923
20	256QAM	1	49	19.78	19.75	19.70	0.1950	0.1936	0.1914
20	256QAM	1	99	19.77	19.73	19.59	0.1945	0.1928	0.1866
20	256QAM	50	0	19.81	19.72	19.70	0.1963	0.1923	0.1914
20	256QAM	50	24	19.79	19.75	19.62	0.1954	0.1936	0.1879
20	256QAM	50	50	19.83	19.65	19.71	0.1972	0.1892	0.1919
20	256QAM	100	0	19.81	19.65	19.61	0.1963	0.1892	0.1875
Channel				44665	45090	45515	EIRP(W)		
Frequency (MHz)				3707.5	3750	3792.5	L	M	H
15	QPSK	1	0	24.90	24.74	24.36	0.6339	0.6109	0.5598
15	QPSK	1	37	24.72	24.55	24.16	0.6081	0.5848	0.5346
15	QPSK	1	74	24.74	24.37	23.89	0.6109	0.5610	0.5023

15	QPSK	36	0	23.85	23.73	23.37	0.4977	0.4842	0.4457
15	QPSK	36	20	23.83	23.60	23.26	0.4955	0.4699	0.4345
15	QPSK	36	39	23.81	23.47	23.06	0.4932	0.4560	0.4150
15	QPSK	75	0	23.75	23.58	23.24	0.4864	0.4677	0.4325
15	16QAM	1	0	24.05	24.00	23.66	0.5212	0.5152	0.4764
15	16QAM	1	37	24.05	23.92	23.40	0.5212	0.5058	0.4487
15	16QAM	1	74	23.99	23.53	23.23	0.5140	0.4624	0.4315
15	16QAM	36	0	22.90	22.67	22.38	0.3999	0.3793	0.3548
15	16QAM	36	20	22.89	22.61	22.18	0.3990	0.3741	0.3388
15	16QAM	36	39	22.77	22.43	22.11	0.3882	0.3589	0.3334
15	16QAM	75	0	22.83	22.56	22.25	0.3936	0.3698	0.3443
15	64QAM	1	0	23.03	22.81	22.54	0.4121	0.3917	0.3681
15	64QAM	1	37	23.04	22.90	22.42	0.4130	0.3999	0.3581
15	64QAM	1	74	22.85	22.67	22.16	0.3954	0.3793	0.3373
15	64QAM	36	0	21.89	21.80	21.28	0.3170	0.3105	0.2754
15	64QAM	36	20	21.90	21.60	21.29	0.3177	0.2965	0.2761
15	64QAM	36	39	21.81	21.59	21.19	0.3112	0.2958	0.2698
15	64QAM	75	0	21.76	21.60	21.25	0.3076	0.2965	0.2735
15	256QAM	1	0	19.79	19.76	19.68	0.1954	0.1941	0.1905
15	256QAM	1	37	19.67	19.61	19.57	0.1901	0.1875	0.1858
15	256QAM	1	74	19.75	19.66	19.50	0.1936	0.1897	0.1828
15	256QAM	36	0	19.71	19.62	19.69	0.1919	0.1879	0.1910
15	256QAM	36	20	19.76	19.67	19.50	0.1941	0.1901	0.1828
15	256QAM	36	39	19.82	19.58	19.69	0.1968	0.1862	0.1910
15	256QAM	75	0	19.69	19.51	19.51	0.1910	0.1832	0.1832
Channel				44640	45090	45540	EIRP(W)		
Frequency (MHz)				3705	3750	3795	L	M	H
10	QPSK	1	0	25.18	25.09	24.77	0.6761	0.6622	0.6152
10	QPSK	1	25	25.21	24.97	24.63	0.6808	0.6442	0.5957
10	QPSK	1	49	24.94	24.80	24.32	0.6397	0.6194	0.5546
10	QPSK	25	0	24.25	24.10	23.62	0.5458	0.5272	0.4721
10	QPSK	25	12	24.13	24.08	23.62	0.5309	0.5248	0.4721
10	QPSK	25	25	24.11	23.84	23.43	0.5284	0.4966	0.4519
10	QPSK	50	0	24.04	23.98	23.67	0.5200	0.5129	0.4775
10	16QAM	1	0	24.37	24.30	23.96	0.5610	0.5521	0.5105
10	16QAM	1	25	24.49	24.18	23.90	0.5768	0.5370	0.5035
10	16QAM	1	49	24.15	23.86	23.58	0.5333	0.4989	0.4677
10	16QAM	25	0	23.14	23.04	22.73	0.4227	0.4130	0.3846
10	16QAM	25	12	23.12	23.03	22.66	0.4207	0.4121	0.3784
10	16QAM	25	25	23.13	22.95	22.48	0.4217	0.4046	0.3631
10	16QAM	50	0	23.07	22.99	22.60	0.4159	0.4083	0.3733
10	64QAM	1	0	23.34	23.24	22.95	0.4426	0.4325	0.4046
10	64QAM	1	25	23.34	23.10	22.71	0.4426	0.4188	0.3828
10	64QAM	1	49	23.18	22.94	22.26	0.4266	0.4036	0.3451
10	64QAM	25	0	22.19	22.03	21.68	0.3396	0.3273	0.3020
10	64QAM	25	12	22.22	22.00	21.61	0.3420	0.3251	0.2972
10	64QAM	25	25	21.99	21.94	21.56	0.3243	0.3206	0.2938
10	64QAM	50	0	22.10	21.93	21.53	0.3327	0.3199	0.2917

10	256QAM	1	0	19.87	19.98	19.96	0.1991	0.2042	0.2032
10	256QAM	1	25	19.74	19.93	19.83	0.1932	0.2018	0.1972
10	256QAM	1	49	19.81	19.98	19.90	0.1963	0.2042	0.2004
10	256QAM	25	0	19.87	19.96	19.77	0.1991	0.2032	0.1945
10	256QAM	25	12	19.81	19.95	19.74	0.1963	0.2028	0.1932
10	256QAM	25	25	19.83	19.77	19.81	0.1972	0.1945	0.1963
10	256QAM	50	0	19.88	19.91	19.76	0.1995	0.2009	0.1941
Channel				44615	45090	45565	EIRP(W)		
Frequency (MHz)				3702.5	3750	3797.5	L	M	H
5	QPSK	1	0	25.14	25.10	24.73	0.6699	0.6637	0.6095
5	QPSK	1	12	25.16	24.91	24.56	0.6730	0.6353	0.5861
5	QPSK	1	24	24.98	24.75	24.29	0.6457	0.6124	0.5508
5	QPSK	12	0	24.20	24.08	23.65	0.5395	0.5248	0.4753
5	QPSK	12	7	24.24	24.00	23.65	0.5445	0.5152	0.4753
5	QPSK	12	13	24.07	23.79	23.46	0.5236	0.4909	0.4550
5	QPSK	25	0	24.18	23.97	23.67	0.5370	0.5117	0.4775
5	16QAM	1	0	24.34	24.31	23.90	0.5572	0.5534	0.5035
5	16QAM	1	12	24.49	24.27	23.82	0.5768	0.5483	0.4943
5	16QAM	1	24	24.17	23.88	23.51	0.5358	0.5012	0.4603
5	16QAM	12	0	23.16	23.10	22.78	0.4246	0.4188	0.3890
5	16QAM	12	7	23.11	23.00	22.74	0.4198	0.4093	0.3855
5	16QAM	12	13	23.14	22.91	22.57	0.4227	0.4009	0.3707
5	16QAM	25	0	23.15	22.97	22.64	0.4236	0.4064	0.3767
5	64QAM	1	0	23.35	23.31	22.96	0.4436	0.4395	0.4055
5	64QAM	1	12	23.37	23.15	22.71	0.4457	0.4236	0.3828
5	64QAM	1	24	23.06	22.93	22.33	0.4150	0.4027	0.3508
5	64QAM	12	0	22.16	22.11	21.71	0.3373	0.3334	0.3041
5	64QAM	12	7	22.25	21.96	21.63	0.3443	0.3221	0.2985
5	64QAM	12	13	22.09	22.00	21.51	0.3319	0.3251	0.2904
5	64QAM	25	0	22.18	21.93	21.64	0.3388	0.3199	0.2992
5	256QAM	1	0	19.89	19.96	19.98	0.2000	0.2032	0.2042
5	256QAM	1	12	19.84	19.98	19.82	0.1977	0.2042	0.1968
5	256QAM	1	24	19.86	19.95	19.99	0.1986	0.2028	0.2046
5	256QAM	12	0	19.82	19.94	19.79	0.1968	0.2023	0.1954
5	256QAM	12	7	19.86	20.02	19.80	0.1986	0.2061	0.1959
5	256QAM	12	13	19.86	19.84	19.72	0.1986	0.1977	0.1923
5	256QAM	25	0	19.77	19.87	19.74	0.1945	0.1991	0.1932

LTE Band CA_43C:

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 44690_44888	QPSK	Max	0	Max	0	20.88	0.2512
	QPSK	1	0	1	Max	14.27	0.0548
	QPSK	1	Max	1	0	22.52	0.3664
M 44991_45189	QPSK	Max	0	Max	0	20.68	0.2399
	QPSK	1	0	1	Max	14.16	0.0535
	QPSK	1	Max	1	0	22.39	0.3556
H 45292_45490	QPSK	Max	0	Max	0	20.31	0.2203
	QPSK	1	0	1	Max	13.75	0.0486
	QPSK	1	Max	1	0	21.92	0.3192
L 44690_44888	16QAM	Max	0	Max	0	19.91	0.2009
	16QAM	1	0	1	Max	14.31	0.0553
	16QAM	1	Max	1	0	21.81	0.3112
M 44991_45189	16QAM	Max	0	Max	0	19.65	0.1892
	16QAM	1	0	1	Max	14.09	0.0526
	16QAM	1	Max	1	0	21.58	0.2951
H 45292_45490	16QAM	Max	0	Max	0	19.35	0.1766
	16QAM	1	0	1	Max	13.67	0.0478
	16QAM	1	Max	1	0	21.22	0.2716
L 44690_44888	64QAM	Max	0	Max	0	19.83	0.1972
	64QAM	1	0	1	Max	14.26	0.0547
	64QAM	1	Max	1	0	20.96	0.2559
M 44991_45189	64QAM	Max	0	Max	0	19.66	0.1897
	64QAM	1	0	1	Max	14.02	0.0518
	64QAM	1	Max	1	0	20.61	0.2360
H 45292_45490	64QAM	Max	0	Max	0	19.33	0.1758
	64QAM	1	0	1	Max	13.57	0.0467
	64QAM	1	Max	1	0	20.25	0.2173
L 44690_44888	256QAM	Max	0	Max	0	17.82	0.1242
	256QAM	1	0	1	Max	14.13	0.0531
	256QAM	1	Max	1	0	17.94	0.1276
M 44991_45189	256QAM	Max	0	Max	0	17.67	0.1199
	256QAM	1	0	1	Max	13.84	0.0497
	256QAM	1	Max	1	0	17.65	0.1194
H 45292_45490	256QAM	Max	0	Max	0	17.38	0.1122
	256QAM	1	0	1	Max	13.52	0.0461
	256QAM	1	Max	1	0	17.31	0.1104
Combination 20MHz+15MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 44690_44861	QPSK	Max	0	Max	0	20.75	0.2438
	QPSK	1	0	1	Max	14.23	0.0543
	QPSK	1	Max	1	0	22.35	0.3524
M	QPSK	Max	0	Max	0	20.60	0.2355

45015_45186	QPSK	1	0	1	Max	14.14	0.0532
	QPSK	1	Max	1	0	22.22	0.3420
H 45340_45511	QPSK	Max	0	Max	0	20.26	0.2178
	QPSK	1	0	1	Max	13.75	0.0486
	QPSK	1	Max	1	0	21.86	0.3148
L 44690_44861	16QAM	Max	0	Max	0	19.82	0.1968
	16QAM	1	0	1	Max	14.10	0.0527
	16QAM	1	Max	1	0	21.61	0.2972
M 45015_45186	16QAM	Max	0	Max	0	19.66	0.1897
	16QAM	1	0	1	Max	14.07	0.0524
	16QAM	1	Max	1	0	21.51	0.2904
H 45340_45511	16QAM	Max	0	Max	0	19.25	0.1726
	16QAM	1	0	1	Max	13.63	0.0473
	16QAM	1	Max	1	0	21.09	0.2636
L 44690_44861	64QAM	Max	0	Max	0	19.75	0.1936
	64QAM	1	0	1	Max	14.03	0.0519
	64QAM	1	Max	1	0	20.76	0.2443
M 45015_45186	64QAM	Max	0	Max	0	19.61	0.1875
	64QAM	1	0	1	Max	14.02	0.0518
	64QAM	1	Max	1	0	20.54	0.2323
H 45340_45511	64QAM	Max	0	Max	0	19.17	0.1694
	64QAM	1	0	1	Max	13.56	0.0466
	64QAM	1	Max	1	0	20.11	0.2104
L 44690_44861	256QAM	Max	0	Max	0	17.77	0.1227
	256QAM	1	0	1	Max	13.95	0.0509
	256QAM	1	Max	1	0	17.70	0.1208
M 45015_45186	256QAM	Max	0	Max	0	17.60	0.1180
	256QAM	1	0	1	Max	13.94	0.0508
	256QAM	1	Max	1	0	17.46	0.1143
H 45340_45511	256QAM	Max	0	Max	0	17.27	0.1094
	256QAM	1	0	1	Max	13.49	0.0458
	256QAM	1	Max	1	0	17.30	0.1102
Combination 15MHz+20MHz (75RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 44668_44839	QPSK	Max	0	Max	0	20.63	0.2371
	QPSK	1	0	1	Max	14.08	0.0525
	QPSK	1	Max	1	0	22.19	0.3396
M 44993_45164	QPSK	Max	0	Max	0	20.37	0.2234
	QPSK	1	0	1	Max	14.01	0.0516
	QPSK	1	Max	1	0	22.10	0.3327
H 45318_45489	QPSK	Max	0	Max	0	20.12	0.2109
	QPSK	1	0	1	Max	13.57	0.0467
	QPSK	1	Max	1	0	21.69	0.3027
L 44668_44839	16QAM	Max	0	Max	0	19.76	0.1941
	16QAM	1	0	1	Max	13.88	0.0501
	16QAM	1	Max	1	0	21.50	0.2897
M	16QAM	Max	0	Max	0	19.52	0.1837

44993_45164	16QAM	1	0	1	Max	13.82	0.0494
	16QAM	1	Max	1	0	21.51	0.2904
H 45318_45489	16QAM	Max	0	Max	0	19.05	0.1648
	16QAM	1	0	1	Max	13.55	0.0465
	16QAM	1	Max	1	0	20.88	0.2512
L 44668_44839	64QAM	Max	0	Max	0	19.55	0.1849
	64QAM	1	0	1	Max	13.80	0.0492
	64QAM	1	Max	1	0	20.57	0.2339
M 44993_45164	64QAM	Max	0	Max	0	19.57	0.1858
	64QAM	1	0	1	Max	13.87	0.0500
	64QAM	1	Max	1	0	20.51	0.2307
H 45318_45489	64QAM	Max	0	Max	0	19.23	0.1718
	64QAM	1	0	1	Max	13.67	0.0478
	64QAM	1	Max	1	0	20.16	0.2128
L 44668_44839	256QAM	Max	0	Max	0	17.67	0.1199
	256QAM	1	0	1	Max	13.72	0.0483
	256QAM	1	Max	1	0	17.60	0.1180
M 44993_45164	256QAM	Max	0	Max	0	17.45	0.1140
	256QAM	1	0	1	Max	13.84	0.0497
	256QAM	1	Max	1	0	17.25	0.1089
H 45318_45489	256QAM	Max	0	Max	0	17.24	0.1086
	256QAM	1	0	1	Max	13.55	0.0465
	256QAM	1	Max	1	0	17.37	0.1119
Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 44690_44834	QPSK	Max	0	Max	0	20.63	0.2371
	QPSK	1	0	1	Max	14.08	0.0525
	QPSK	1	Max	1	0	22.19	0.3396
M 45040_45184	QPSK	Max	0	Max	0	19.52	0.1837
	QPSK	1	0	1	Max	13.82	0.0494
	QPSK	1	Max	1	0	21.51	0.2904
H 45390_45534	QPSK	Max	0	Max	0	19.23	0.1718
	QPSK	1	0	1	Max	13.67	0.0478
	QPSK	1	Max	1	0	20.16	0.2128
L 44690_44834	16QAM	Max	0	Max	0	20.37	0.2234
	16QAM	1	0	1	Max	14.01	0.0516
	16QAM	1	Max	1	0	22.10	0.3327
M 45040_45184	16QAM	Max	0	Max	0	19.05	0.1648
	16QAM	1	0	1	Max	13.55	0.0465
	16QAM	1	Max	1	0	20.88	0.2512
H 45390_45534	16QAM	Max	0	Max	0	17.67	0.1199
	16QAM	1	0	1	Max	13.72	0.0483
	16QAM	1	Max	1	0	17.60	0.1180
L 44690_44834	64QAM	Max	0	Max	0	20.12	0.2109
	64QAM	1	0	1	Max	13.57	0.0467
	64QAM	1	Max	1	0	21.69	0.3027
M 45040_45184	64QAM	Max	0	Max	0	19.55	0.1849
	64QAM	1	0	1	Max	13.80	0.0492
	64QAM	1	Max	1	0	20.57	0.2339
H 45390_45534	64QAM	Max	0	Max	0	17.45	0.1140
	64QAM	1	0	1	Max	13.84	0.0497

	64QAM	1	Max	1	0	17.25	0.1089
L 44690_44834	256QAM	Max	0	Max	0	19.76	0.1941
	256QAM	1	0	1	Max	13.88	0.0501
	256QAM	1	Max	1	0	21.50	0.2897
M 45040_45184	256QAM	Max	0	Max	0	19.57	0.1858
	256QAM	1	0	1	Max	13.87	0.0500
	256QAM	1	Max	1	0	20.51	0.2307
H 45390_45534	256QAM	Max	0	Max	0	17.24	0.1086
	256QAM	1	0	1	Max	13.55	0.0465
	256QAM	1	Max	1	0	17.37	0.1119
Combination 10MHz+20MHz (50RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 44645_44789	QPSK	Max	0	Max	0	20.69	0.2404
	QPSK	1	0	1	Max	14.07	0.0524
	QPSK	1	Max	1	0	22.14	0.3357
M 44995_45139	QPSK	Max	0	Max	0	20.40	0.2249
	QPSK	1	0	1	Max	13.94	0.0508
	QPSK	1	Max	1	0	22.00	0.3251
H 45345_45489	QPSK	Max	0	Max	0	20.19	0.2143
	QPSK	1	0	1	Max	13.59	0.0469
	QPSK	1	Max	1	0	21.71	0.3041
L 44645_44789	16QAM	Max	0	Max	0	19.63	0.1884
	16QAM	1	0	1	Max	13.88	0.0501
	16QAM	1	Max	1	0	21.54	0.2924
M 44995_45139	16QAM	Max	0	Max	0	19.55	0.1849
	16QAM	1	0	1	Max	13.76	0.0488
	16QAM	1	Max	1	0	21.52	0.2911
H 45345_45489	16QAM	Max	0	Max	0	19.09	0.1663
	16QAM	1	0	1	Max	13.54	0.0463
	16QAM	1	Max	1	0	20.91	0.2529
L 44645_44789	64QAM	Max	0	Max	0	19.69	0.1910
	64QAM	1	0	1	Max	13.88	0.0501
	64QAM	1	Max	1	0	20.67	0.2393
M 44995_45139	64QAM	Max	0	Max	0	19.52	0.1837
	64QAM	1	0	1	Max	13.89	0.0502
	64QAM	1	Max	1	0	20.49	0.2296
H 45345_45489	64QAM	Max	0	Max	0	19.22	0.1714
	64QAM	1	0	1	Max	13.53	0.0462
	64QAM	1	Max	1	0	20.18	0.2138
L 44645_44789	256QAM	Max	0	Max	0	17.55	0.1167
	256QAM	1	0	1	Max	13.85	0.0498
	256QAM	1	Max	1	0	17.52	0.1159
M 44995_45139	256QAM	Max	0	Max	0	17.45	0.1140
	256QAM	1	0	1	Max	13.86	0.0499
	256QAM	1	Max	1	0	17.37	0.1119
H 45345_45489	256QAM	Max	0	Max	0	17.16	0.1067
	256QAM	1	0	1	Max	13.44	0.0453
	256QAM	1	Max	1	0	17.18	0.1072
Combination 20MHz+5MHz (100RB+25RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 44690_44807	QPSK	Max	0	Max	0	20.66	0.2388
	QPSK	1	0	1	Max	14.08	0.0525
	QPSK	1	Max	1	0	22.29	0.3475
M	QPSK	Max	0	Max	0	20.48	0.2291

44569_45182	QPSK	1	0	1	Max	13.93	0.0507
	QPSK	1	Max	1	0	22.00	0.3251
H 45439_45556	QPSK	Max	0	Max	0	20.19	0.2143
	QPSK	1	0	1	Max	13.57	0.0467
	QPSK	1	Max	1	0	21.80	0.3105
L 44690_44807	16QAM	Max	0	Max	0	19.78	0.1950
	16QAM	1	0	1	Max	13.89	0.0502
	16QAM	1	Max	1	0	21.51	0.2904
M 44569_45182	16QAM	Max	0	Max	0	19.51	0.1832
	16QAM	1	0	1	Max	14.01	0.0516
	16QAM	1	Max	1	0	21.38	0.2818
H 45439_45556	16QAM	Max	0	Max	0	19.08	0.1660
	16QAM	1	0	1	Max	13.50	0.0459
	16QAM	1	Max	1	0	20.93	0.2541
L 44690_44807	64QAM	Max	0	Max	0	19.58	0.1862
	64QAM	1	0	1	Max	13.86	0.0499
	64QAM	1	Max	1	0	20.62	0.2366
M 44569_45182	64QAM	Max	0	Max	0	19.38	0.1778
	64QAM	1	0	1	Max	13.80	0.0492
	64QAM	1	Max	1	0	20.49	0.2296
H 45439_45556	64QAM	Max	0	Max	0	19.06	0.1652
	64QAM	1	0	1	Max	13.75	0.0486
	64QAM	1	Max	1	0	20.01	0.2056
L 44690_44807	256QAM	Max	0	Max	0	17.56	0.1169
	256QAM	1	0	1	Max	13.73	0.0484
	256QAM	1	Max	1	0	17.53	0.1161
M 44569_45182	256QAM	Max	0	Max	0	17.56	0.1169
	256QAM	1	0	1	Max	13.78	0.0490
	256QAM	1	Max	1	0	17.35	0.1114
H 45439_45556	256QAM	Max	0	Max	0	17.05	0.1040
	256QAM	1	0	1	Max	13.37	0.0446
	256QAM	1	Max	1	0	17.26	0.1091
Combination 5MHz+20MHz (25RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 44623_44740	QPSK	Max	0	Max	0	20.68	0.0021
	QPSK	1	0	1	Max	14.06	0.0021
	QPSK	1	Max	1	0	22.33	0.0021
M 44998_45115	QPSK	Max	0	Max	0	20.57	0.0021
	QPSK	1	0	1	Max	13.91	0.0021
	QPSK	1	Max	1	0	21.99	0.0021
H 45372_45489	QPSK	Max	0	Max	0	20.07	0.0021
	QPSK	1	0	1	Max	13.70	0.0021
	QPSK	1	Max	1	0	21.64	0.0021
L 44623_44740	16QAM	Max	0	Max	0	19.68	0.0021
	16QAM	1	0	1	Max	14.03	0.0021
	16QAM	1	Max	1	0	21.58	0.0021
M 44998_45115	16QAM	Max	0	Max	0	19.64	0.0021
	16QAM	1	0	1	Max	14.11	0.0021
	16QAM	1	Max	1	0	21.42	0.0021
H 45372_45489	16QAM	Max	0	Max	0	19.09	0.0021
	16QAM	1	0	1	Max	13.49	0.0021
	16QAM	1	Max	1	0	20.99	0.0021
L 44623_44740	64QAM	Max	0	Max	0	19.64	0.0021
	64QAM	1	0	1	Max	13.82	0.0021
	64QAM	1	Max	1	0	20.72	0.0021

M 44998_45115	64QAM	Max	0	Max	0	19.51	0.0021
	64QAM	1	0	1	Max	13.88	0.0021
	64QAM	1	Max	1	0	20.39	0.0021
H 45372_45489	64QAM	Max	0	Max	0	19.20	0.0021
	64QAM	1	0	1	Max	13.48	0.0021
	64QAM	1	Max	1	0	20.35	0.0021
L 44623_44740	256QAM	Max	0	Max	0	17.72	0.0021
	256QAM	1	0	1	Max	13.76	0.0021
	256QAM	1	Max	1	0	17.66	0.0021
M 44998_45115	256QAM	Max	0	Max	0	17.41	0.0021
	256QAM	1	0	1	Max	13.85	0.0021
	256QAM	1	Max	1	0	17.33	0.0021
H 45372_45489	256QAM	Max	0	Max	0	17.20	0.0021
	256QAM	1	0	1	Max	13.31	0.0021
	256QAM	1	Max	1	0	17.27	0.0021
Combination 15MHz+10MHz (75RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 44668_44788	QPSK	Max	0	Max	0	20.62	0.2366
	QPSK	1	0	1	Max	14.11	0.0528
	QPSK	1	Max	1	0	22.31	0.3491
M 45041_45161	QPSK	Max	0	Max	0	20.41	0.2254
	QPSK	1	0	1	Max	13.94	0.0508
	QPSK	1	Max	1	0	22.16	0.3373
H 45414_45534	QPSK	Max	0	Max	0	20.15	0.2123
	QPSK	1	0	1	Max	13.60	0.0470
	QPSK	1	Max	1	0	21.77	0.3083
L 44668_44788	16QAM	Max	0	Max	0	19.68	0.1905
	16QAM	1	0	1	Max	13.98	0.0513
	16QAM	1	Max	1	0	21.46	0.2871
M 45041_45161	16QAM	Max	0	Max	0	19.55	0.1849
	16QAM	1	0	1	Max	14.11	0.0528
	16QAM	1	Max	1	0	21.48	0.2884
H 45414_45534	16QAM	Max	0	Max	0	19.18	0.1698
	16QAM	1	0	1	Max	13.44	0.0453
	16QAM	1	Max	1	0	20.94	0.2547
L 44668_44788	64QAM	Max	0	Max	0	19.52	0.1837
	64QAM	1	0	1	Max	13.85	0.0498
	64QAM	1	Max	1	0	20.53	0.2317
M 45041_45161	64QAM	Max	0	Max	0	19.46	0.1811
	64QAM	1	0	1	Max	13.90	0.0504
	64QAM	1	Max	1	0	20.38	0.2239
H 45414_45534	64QAM	Max	0	Max	0	19.15	0.1687
	64QAM	1	0	1	Max	13.43	0.0452
	64QAM	1	Max	1	0	20.09	0.2094
L 44668_44788	256QAM	Max	0	Max	0	17.63	0.1189
	256QAM	1	0	1	Max	13.89	0.0502
	256QAM	1	Max	1	0	17.67	0.1199
M 45041_45161	256QAM	Max	0	Max	0	17.42	0.1132
	256QAM	1	0	1	Max	13.77	0.0489
	256QAM	1	Max	1	0	17.32	0.1107
H 45414_45534	256QAM	Max	0	Max	0	17.10	0.1052
	256QAM	1	0	1	Max	13.44	0.0453
	256QAM	1	Max	1	0	17.22	0.1081
Combination 10MHz+15MHz (50RB+75RB)							
Channel	Modulation	PCC		SCC		Measured	EIRP(W)

		RB Size	RB offset	RB Size	RB offset		
L 44645_44765	QPSK	Max	0	Max	0	20.66	0.2388
	QPSK	1	0	1	Max	14.19	0.0538
	QPSK	1	Max	1	0	22.32	0.3499
M 45018_45138	QPSK	Max	0	Max	0	20.51	0.2307
	QPSK	1	0	1	Max	14.01	0.0516
	QPSK	1	Max	1	0	22.09	0.3319
H 45391_45511	QPSK	Max	0	Max	0	20.10	0.2099
	QPSK	1	0	1	Max	13.67	0.0478
	QPSK	1	Max	1	0	21.63	0.2985
L 44645_44765	16QAM	Max	0	Max	0	19.69	0.1910
	16QAM	1	0	1	Max	13.92	0.0506
	16QAM	1	Max	1	0	21.49	0.2891
M 45018_45138	16QAM	Max	0	Max	0	19.63	0.1884
	16QAM	1	0	1	Max	13.92	0.0506
	16QAM	1	Max	1	0	21.54	0.2924
H 45391_45511	16QAM	Max	0	Max	0	19.17	0.1694
	16QAM	1	0	1	Max	13.53	0.0462
	16QAM	1	Max	1	0	20.91	0.2529
L 44645_44765	64QAM	Max	0	Max	0	19.56	0.1854
	64QAM	1	0	1	Max	13.91	0.0505
	64QAM	1	Max	1	0	20.53	0.2317
M 45018_45138	64QAM	Max	0	Max	0	19.46	0.1811
	64QAM	1	0	1	Max	13.92	0.0506
	64QAM	1	Max	1	0	20.47	0.2286
H 45391_45511	64QAM	Max	0	Max	0	19.17	0.1694
	64QAM	1	0	1	Max	13.72	0.0483
	64QAM	1	Max	1	0	20.28	0.2188
L 44645_44765	256QAM	Max	0	Max	0	17.69	0.1205
	256QAM	1	0	1	Max	13.92	0.0506
	256QAM	1	Max	1	0	17.58	0.1175
M 45018_45138	256QAM	Max	0	Max	0	17.40	0.1127
	256QAM	1	0	1	Max	13.82	0.0494
	256QAM	1	Max	1	0	17.41	0.1130
H 45391_45511	256QAM	Max	0	Max	0	17.13	0.1059
	256QAM	1	0	1	Max	13.43	0.0452
	256QAM	1	Max	1	0	17.20	0.1076
Combination 15MHz+15MHz (75RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 44668_44818	QPSK	Max	0	Max	0	20.61	0.2360
	QPSK	1	0	1	Max	14.07	0.0524
	QPSK	1	Max	1	0	22.26	0.3451
M 45015_45165	QPSK	Max	0	Max	0	20.45	0.2275
	QPSK	1	0	1	Max	13.93	0.0507
	QPSK	1	Max	1	0	21.99	0.3243
H 45361_45511	QPSK	Max	0	Max	0	20.08	0.2089
	QPSK	1	0	1	Max	13.72	0.0483
	QPSK	1	Max	1	0	21.66	0.3006
L 44668_44818	16QAM	Max	0	Max	0	19.73	0.1928
	16QAM	1	0	1	Max	13.95	0.0509
	16QAM	1	Max	1	0	21.53	0.2917
M 45015_45165	16QAM	Max	0	Max	0	19.52	0.1837
	16QAM	1	0	1	Max	14.09	0.0526
	16QAM	1	Max	1	0	21.53	0.2917

H 45361_45511	16QAM	Max	0	Max	0	19.06	0.1652
	16QAM	1	0	1	Max	13.58	0.0468
	16QAM	1	Max	1	0	20.86	0.2500
L 44668_44818	64QAM	Max	0	Max	0	19.60	0.1871
	64QAM	1	0	1	Max	13.91	0.0505
	64QAM	1	Max	1	0	20.53	0.2317
M 45015_45165	64QAM	Max	0	Max	0	19.50	0.1828
	64QAM	1	0	1	Max	13.89	0.0502
	64QAM	1	Max	1	0	20.35	0.2223
H 45361_45511	64QAM	Max	0	Max	0	19.17	0.1694
	64QAM	1	0	1	Max	13.64	0.0474
	64QAM	1	Max	1	0	20.21	0.2153
L 44668_44818	256QAM	Max	0	Max	0	17.71	0.1211
	256QAM	1	0	1	Max	13.87	0.0500
	256QAM	1	Max	1	0	17.52	0.1159
M 45015_45165	256QAM	Max	0	Max	0	17.47	0.1146
	256QAM	1	0	1	Max	13.80	0.0492
	256QAM	1	Max	1	0	17.25	0.1089
H 45361_45511	256QAM	Max	0	Max	0	17.12	0.1057
	256QAM	1	0	1	Max	13.31	0.0440
	256QAM	1	Max	1	0	17.20	0.1076

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	LiangPing Zhou	Temperature :	22~25℃
		Relative Humidity :	48~52%

LTE Band 43 / 20MHz / QPSK / ANT1									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7402.00	-59.15	-13	-46.15	-65.41	-62.48	8.25	11.58	H
	11103.00	-53.72	-13	-40.72	-67.93	-55.27	10.45	12.00	H
	14804.00	-49.45	-13	-36.45	-66.87	-51.16	11.74	13.45	H
	7402.00	-59.31	-13	-46.31	-65.59	-62.64	8.25	11.58	V
	11103.00	-54.03	-13	-41.03	-67.95	-55.58	10.45	12.00	V
	14804.00	-50.05	-13	-37.05	-66.92	-51.76	11.74	13.45	V
Middle	7482.00	-59.56	-13	-46.56	-65.69	-62.86	8.30	11.60	H
	11223.00	-53.86	-13	-40.86	-68.32	-55.38	10.48	12.00	H
	14964.00	-49.88	-13	-36.88	-67.14	-51.58	11.80	13.50	H
	7482.00	-59.54	-13	-46.54	-65.66	-62.84	8.30	11.60	V
	11223.00	-54.09	-13	-41.09	-68.27	-55.61	10.48	12.00	V
	14964.00	-50.57	-13	-37.57	-67.32	-52.27	11.80	13.50	V
Highest	7562.00	-59.34	-13	-46.34	-65.30	-62.64	8.32	11.62	H
	11343.00	-53.70	-13	-40.70	-68.40	-55.38	10.52	12.20	H
	15124.00	-50.68	-13	-37.68	-67.74	-52.38	11.85	13.55	H
	7562.00	-59.25	-13	-46.25	-65.18	-62.55	8.32	11.62	V
	11343.00	-53.78	-13	-40.78	-68.21	-55.46	10.52	12.20	V
	15124.00	-51.33	-13	-38.33	-67.78	-53.03	11.85	13.55	V

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

LTE Band CA_43C / 20MHz+20MHz / QPSK / ANT1									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7439.80	-59.22	-13	-46.22	-65.41	-62.55	8.25	11.58	H
	11159.70	-53.90	-13	-40.90	-68.27	-55.45	10.45	12.00	H
	14879.60	-49.52	-13	-36.52	-66.87	-51.23	11.74	13.45	H
	7439.80	-59.39	-13	-46.39	-65.59	-62.72	8.25	11.58	V
	11159.70	-54.28	-13	-41.28	-68.36	-55.83	10.45	12.00	V
	14879.60	-49.64	-13	-36.64	-66.46	-51.35	11.74	13.45	V
Middle	7500.00	-59.17	-13	-46.17	-65.27	-62.47	8.30	11.60	H
	11250.00	-53.84	-13	-40.84	-68.38	-55.36	10.48	12.00	H
	15000.00	-49.79	-13	-36.79	-67.01	-51.49	11.80	13.50	H
	7500.00	-59.41	-13	-46.41	-65.5	-62.71	8.30	11.60	V
	11250.00	-54.11	-13	-41.11	-68.37	-55.63	10.48	12.00	V
	15000.00	-50.46	-13	-37.46	-67.17	-52.16	11.80	13.50	V
Highest	7560.00	-59.16	-13	-46.16	-65.12	-62.46	8.32	11.62	H
	11340.00	-53.81	-13	-40.81	-68.51	-55.49	10.52	12.20	H
	15120.00	-50.57	-13	-37.57	-67.64	-52.27	11.85	13.55	H
	7560.00	-59.11	-13	-46.11	-65.04	-62.41	8.32	11.62	V
	11340.00	-53.97	-13	-40.97	-68.4	-55.65	10.52	12.20	V
	15120.00	-51.38	-13	-38.38	-67.84	-53.08	11.85	13.55	V

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