



FCC RF Test Report

APPLICANT : Fibocom Wireless Inc.
EQUIPMENT : 5G Module
BRAND NAME : Fibocom
MODEL NAME : FM350-GL
FCC ID : ZMOFM350GL
STANDARD : 47 CFR Part 2, 27(F), 27(H), 27(M), 27(N)
CLASSIFICATION : PCS Licensed Transmitter (PCB)

The product was received on Mar. 08, 2021 and completely tested on Apr. 14, 2021. We, Sporton International (Shenzhen) Inc., 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 (Shenzhen) Inc., the test report shall not be reproduced except in full.

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG130810C	Rev. 01	Initial issue of report	Apr. 28, 2021

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71)	ERP < 3 Watt	PASS	
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 7) (Band 38) (Band 41)	EIRP < 2Watt	PASS	
4.4	§2.1053 §27.53(c)(2) §27.53(f) §27.53(g)	Radiated Spurious Emission (Band 12) (Band 13) (Band 17) (Band 71)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 20.90 dB at 1564.500 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)	< 55+10log ₁₀ (P[Watts])		

Declaration of Conformity:

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

Comments and Explanations:

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



1 General Description

1.1 Applicant

Fibocom Wireless Inc.

1101,Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan,Shenzhen, China

1.2 Manufacturer

Fibocom Wireless Inc.

1101,Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan,Shenzhen, China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	5G Module
Brand Name	Fibocom
Model Name	FM350-GL
FCC ID	ZMOFM350GL
EUT supports Radios application	WCDMA/LTE/5G NR/GNSS
IMEI Code	Radiation: 882146050002276
HW Version	V1.0.6
SW Version	81600.0000.00.09.03.03
EUT Stage	Identical Prototype

Remark: This is a variant report for FM350-GL. The change note could be referred to the product equality declaration which is exhibit separately. Based on the similarity between current and previous project, only the related test cases from original test report (Sporton Report Number FG051802C) were verified for the differences.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 7 : 2500 MHz ~ 2570 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 17 : 704 MHz ~ 716 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 71: 663 MHz ~ 698 MHz
Rx Frequency	LTE Band 7 : 2620 MHz ~ 2690 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 17 : 734 MHz ~ 746 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 71: 617 MHz ~ 652 MHz
Bandwidth	LTE Band 7 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 71 : 5MHz / 10MHz / 15MHz / 20MHz
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

1.5 Modification of EUT

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

1.6 Testing Location

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

Test Firm	Sporton International (Shenzhen) Inc.		
Test Location	Site	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398	
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH03-SZ	CN1256	421272

1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH03-SZ	AUDIX	E3	6.2009-8-24

1.8 Applicable Standards

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

- ♦ 47 CFR Part 2, 27(F), 27(H), 27(M), 27(N)
- ♦ 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

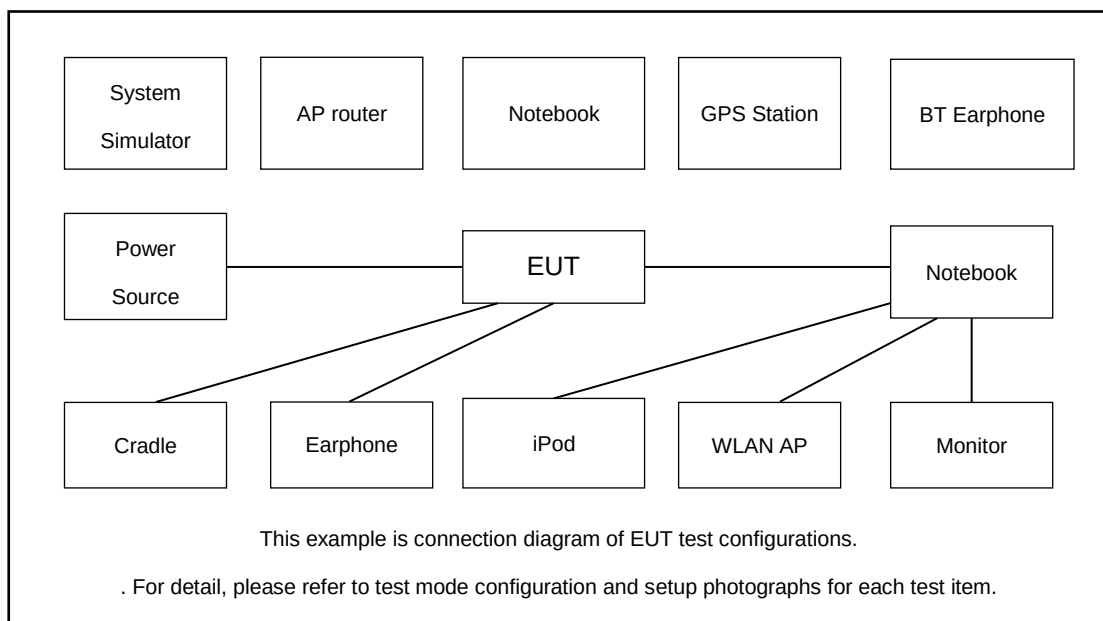
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

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

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
E.R.P / E.I.R.P	7	-	-	v	v	v	v	v	v	v		v			v	v	v
	12	v	v	v	v	-	-	v	v	v		v			v	v	v
	13	-	-	v	v	-	-	v	v	v		v			v	v	v
	41	-	-	v	v	v	v	v	v	v		v			v	v	v
	71	-	-	v	v	v	v	v	v	v		v			v	v	v
Radiated Spurious Emission	7	Worst Case													v	v	v
	12	Worst Case													v	v	v
	13	Worst Case													v	v	v
	41	Worst Case													v	v	v
	71	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. LTE Band 12 overlaps the entire frequency range of LTE Band 17. Therefore, the test results provided in this report covers Band 12 as well as Band 17.																
	5. LTE Band 41 overlaps the entire frequency range of LTE Band 38. Therefore, the test results provided in this report covers Band 41 as well as Band 38.																
	6. For modulation of 256QAM, the maximum power of 256QAM is lower than other modulation (QPSK/16QAM/64QAM), therefore, according to engineering evaluation, we choose higher power (QPSK/16QAM/64QAM) to perform all tests and show in the report.																
	7. LTE Band 41 support HPUE.																

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
E.I.R.P.	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v		v			v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v		v			v	v	v
Radiated Spurious Emission	7C_CA	Worst Case																	v	v	v
	41C_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. 4. LTE Band 41C overlaps the entire frequency range of LTE Band 38C. Therefore, the test results provided in this report covers Band 41C as well as Band 38C. 5. For modulation of 256QAM, the maximum power of 256QAM is lower than other modulation (QPSK/16QAM/64QAM), therefore, according to engineering evaluation, we choose higher power (QPSK/16QAM/64QAM) to perform all tests and show in the report.																				

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.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m

2.4 Frequency List of Low/Middle/High Channels

LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3

LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5



LTE Band 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5

LTE Band 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580	2595	2610
15	Channel	37825	38000	38175
	Frequency	2577.5	2595	2612.5
10	Channel	37800	38000	38200
	Frequency	2575	2595	2615
5	Channel	37775	38000	38225
	Frequency	2572.5	2595	2617.5

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506	2593	2680
15	Channel	39725	40620	41515
	Frequency	2503.5	2593	2682.5
10	Channel	39700	40620	41540
	Frequency	2501	2593	2685
5	Channel	39675	40620	41565
	Frequency	2498.5	2593	2687.5



LTE Band 71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	133222	133322	133372
	Frequency	673.0	680.5	688.0
15	Channel	133197	133297	133397
	Frequency	670.5	680.5	690.5
10	Channel	133172	133272	133422
	Frequency	668.0	678.0	693.0
5	Channel	133147	133247	133447
	Frequency	665.5	675.5	695.5

LTE Band 7C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	20850	21001	21152
		Frequency	2510.0	2525.1	2540.2
	SCC	Channel	21048	21199	21350
		Frequency	2529.8	2544.9	2560.0
20 + 15	PCC	Channel	20850	21026	21201
		Frequency	2510.0	2527.6	2545.1
	SCC	Channel	21021	21197	21372
		Frequency	2527.1	2544.7	2562.2
15 + 20	PCC	Channel	20828	21003	21179
		Frequency	2507.8	2525.3	2542.9
	SCC	Channel	20999	21174	21350
		Frequency	2524.9	2542.4	2560.0
20 + 10	PCC	Channel	20850	21051	21251
		Frequency	2510.0	2530.1	2550.1
	SCC	Channel	20994	21195	21395
		Frequency	2524.4	2544.5	2564.5
10 + 20	PCC	Channel	20805	21006	21206
		Frequency	2505.5	2525.6	2545.6
	SCC	Channel	20949	21150	21350
		Frequency	2519.9	2540.0	2560.0
15 + 15	PCC	Channel	20825	21025	21225
		Frequency	2507.5	2527.5	2547.5
	SCC	Channel	20975	21175	21375



		Frequency	2522.5	2542.5	2562.5
15 + 10	PCC	Channel	20825	21051	21277
		Frequency	2507.5	2530.1	2552.7
	SCC	Channel	20945	21171	21397
		Frequency	2519.5	2542.1	2564.7

LTE Band 38C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	37850	37901	37952
		Frequency	2580.0	2585.1	2590.2
	SCC	Channel	38048	38099	38150
		Frequency	2599.8	2604.9	2610.0
15+ 15	PCC	Channel	37825	37925	38025
		Frequency	2577.5	2587.5	2597.5
	SCC	Channel	37975	38075	38175
		Frequency	2592.5	2602.5	2612.5

LTE Band 41C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	39750	40521	41292
		Frequency	2506.0	2583.1	2660.2
	SCC	Channel	39948	40719	41490
		Frequency	2525.8	2602.9	2680.0
20 + 15	PCC	Channel	39750	40546	41341
		Frequency	2506.0	2585.6	2665.1
	SCC	Channel	39921	40717	41512
		Frequency	2523.1	2602.7	2682.2
15 + 20	PCC	Channel	39728	40523	41319
		Frequency	2503.8	2593.3	2662.9
	SCC	Channel	39899	40694	41490
		Frequency	2520.9	2600.4	2680.0
20 + 10	PCC	Channel	39750	40571	41391
		Frequency	2506.0	2588.1	2670.1
	SCC	Channel	39894	40715	41535
		Frequency	2520.4	2602.5	2684.5
10 + 20	PCC	Channel	39705	40526	41346



	SCC	Frequency	2501.5	2583.6	2665.6
		Channel	39849	40670	41490
		Frequency	2515.9	2598.0	2680.0

LTE Band 41C_CA Channel and Frequency List					
20 + 5	PCC	Channel	39750	40595	41440
		Frequency	2506.0	2590.5	2675.0
	SCC	Channel	39867	40712	41557
		Frequency	2517.7	2602.2	2686.7
5 + 20	PCC	Channel	39683	40528	41373
		Frequency	2499.3	2583.8	2668.3
	SCC	Channel	39800	40645	41490
		Frequency	2511.0	2595.5	2680.0
15 + 15	PCC	Channel	39725	40545	41365
		Frequency	2503.5	2585.5	2667.5
	SCC	Channel	39875	40695	41515
		Frequency	2518.5	2600.5	2682.5
10 + 15	PCC	Channel	39703	40549	41395
		Frequency	2501.3	2585.9	2670.5
	SCC	Channel	39823	40669	41515
		Frequency	2513.3	2597.9	2682.5
15 + 10	PCC	Channel	39725	40571	41417
		Frequency	2503.5	2588.1	2672.7
	SCC	Channel	39845	40691	41537
		Frequency	2515.5	2600.1	2684.7

3 Conducted Test Items

3.1 Conducted Output Power and ERP/EIRP

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

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

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13 and Band 17 and Band 71.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 7 and Band 38 and Band 41.

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

3.1.2 Test Procedures

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

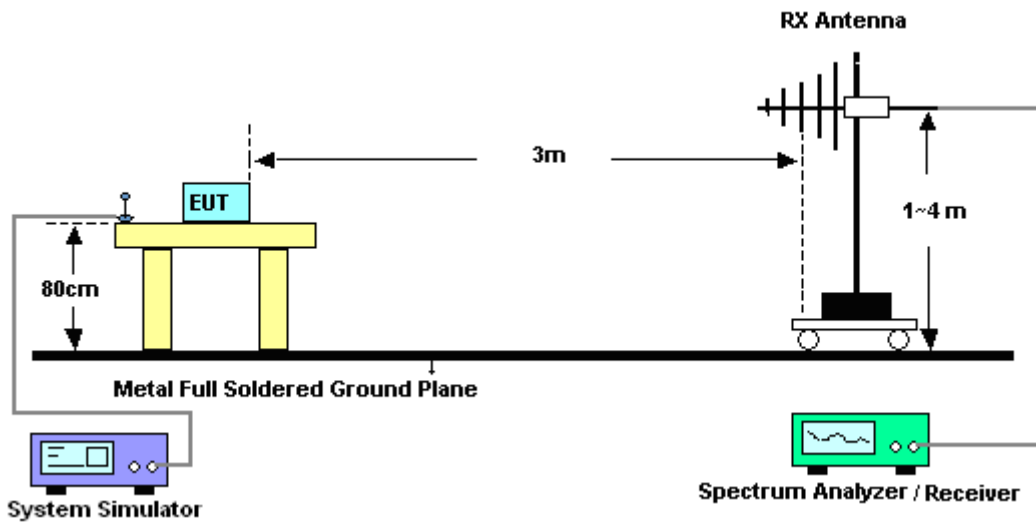
4 Radiated Test Items

4.1 Measuring Instruments

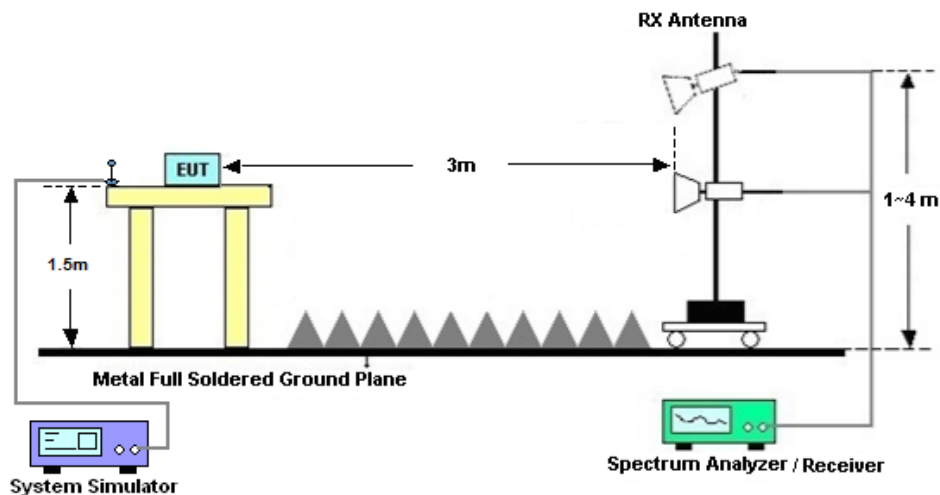
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated test from 30MHz to 1GHz



4.2.2 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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.

For Band 7, 38, 41

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 $55 + 10 \log (P)$ dB.

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

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

4.4.2 Test Procedures

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

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$

13. For Band 7, 38, 41:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 17, 2020	Mar. 19, 2021~ Apr. 14, 2021	Apr. 16, 2021	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Jun. 22, 2020	Mar. 19, 2021~ Apr. 14, 2021	Jun. 21, 2021	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 30, 2020	Mar. 19, 2021~ Apr. 14, 2021	Apr. 29, 2021	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102210	0.01Hz ~3000MHz	Oct. 17, 2020	Mar. 19, 2021~ Apr. 14, 2021	Oct. 16, 2021	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 21, 2020	Mar. 19, 2021~ Apr. 14, 2021	Jul. 20, 2021	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 23, 2020	Mar. 19, 2021~ Apr. 14, 2021	Apr. 22, 2021	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5G Hz	Dec. 25, 2020	Mar. 19, 2021~ Apr. 14, 2021	Dec. 24, 2021	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Mar. 19, 2021~ Apr. 14, 2021	NCR	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Mar. 19, 2021~ Apr. 14, 2021	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Mar. 19, 2021~ Apr. 14, 2021	NCR	Radiation (03CH03-SZ)

NCR: No Calibration Required

6 Uncertainty of Evaluation

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.0dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.6dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.8dB
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Appendix A. Test Results of Conducted Test

ERP/EIRP

LTE Band 7 (GT - LC = 4.00 dB) QPSK			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency	2502.5	2535	2567.5
(MHz)			
Conducted Power (dBm)	22.25	22.38	22.51
Conducted Power (Watts)	0.1679	0.1730	0.1782
EIRP(dBm)	26.25	26.38	26.51
EIRP(Watts)	0.4217	0.4345	0.4477

LTE Band 7 (GT - LC = 4.00 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	20800	21100	21400	20825	21100	21375	20850	21100	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	2505	2535	2565	2507.5	2535	2562.5	2510	2535	2560
(MHz)									
Conducted Power (dBm)	22.25	22.43	22.51	22.24	22.35	22.22	22.50	22.58	22.56
Conducted Power (Watts)	0.1679	0.1750	0.1782	0.1675	0.1718	0.1667	0.1778	0.1811	0.1803
EIRP(dBm)	26.25	26.43	26.51	26.24	26.35	26.22	26.50	26.58	26.56
EIRP(Watts)	0.4217	0.4395	0.4477	0.4207	0.4315	0.4188	0.4467	0.4550	0.4529



LTE Band 7 (GT - LC = 4.00 dB) 16QAM			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency	2502.5	2535	2567.5
(MHz)			
Conducted Power (dBm)	21.69	21.85	21.62
Conducted Power (Watts)	0.1476	0.1531	0.1452
EIRP(dBm)	25.69	25.85	25.62
EIRP(Watts)	0.3707	0.3846	0.3648

LTE Band 7 (GT - LC = 4.00 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	20800	21100	21400	20825	21100	21375	20850	21100	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	2505	2535	2565	2507.5	2535	2562.5	2510	2535	2560
(MHz)									
Conducted Power (dBm)	21.85	21.97	21.84	21.84	21.56	21.91	21.59	21.95	21.91
Conducted Power (Watts)	0.1531	0.1574	0.1528	0.1528	0.1432	0.1552	0.1442	0.1567	0.1552
EIRP(dBm)	25.85	25.97	25.84	25.84	25.56	25.91	25.59	25.95	25.91
EIRP(Watts)	0.3846	0.3954	0.3837	0.3837	0.3597	0.3899	0.3622	0.3936	0.3899



LTE Band 7 (GT - LC = 4.00 dB) 64QAM			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency	2502.5	2535	2567.5
(MHz)			
Conducted Power (dBm)	20.43	20.66	20.74
Conducted Power (Watts)	0.1104	0.1164	0.1186
EIRP(dBm)	24.43	24.66	24.74
EIRP(Watts)	0.2773	0.2924	0.2979

LTE Band 7 (GT - LC = 4.00 dB) 64QAM									
Bandwidth	10M			15M			20M		
Channel	20800	21100	21400	20825	21100	21375	20850	21100	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	2505	2535	2565	2507.5	2535	2562.5	2510	2535	2560
(MHz)									
Conducted Power (dBm)	20.52	20.46	20.61	20.46	20.69	20.47	20.61	20.46	20.38
Conducted Power (Watts)	0.1127	0.1112	0.1151	0.1112	0.1172	0.1114	0.1151	0.1112	0.1091
EIRP(dBm)	24.52	24.46	24.61	24.46	24.69	24.47	24.61	24.46	24.38
EIRP(Watts)	0.2831	0.2793	0.2891	0.2793	0.2944	0.2799	0.2891	0.2793	0.2742



LTE Band 12 (GT - LC = 3.00 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	23017	23095	23173	23025	23095	23165	23035	23095	23155
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	699.7	707.5	715.3	700.5	707.5	714.5	701.5	707.5	713.5
(MHz)									
Conducted Power (dBm)	23.52	23.75	23.89	23.76	23.91	23.74	24.01	23.89	23.87
Conducted Power (Watts)	0.2249	0.2371	0.2449	0.2377	0.2460	0.2366	0.2518	0.2449	0.2438
ERP(dBm)	24.37	24.60	24.74	24.61	24.76	24.59	24.86	24.74	24.72
ERP(Watts)	0.2735	0.2884	0.2979	0.2891	0.2992	0.2877	0.3062	0.2979	0.2965

LTE Band 12 (GT - LC = 3.00 dB) QPSK			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency	704	707.5	711
(MHz)			
Conducted Power (dBm)	24.02	23.97	23.95
Conducted Power (Watts)	0.2523	0.2495	0.2483
ERP(dBm)	24.87	24.82	24.80
ERP(Watts)	0.3069	0.3034	0.3020

LTE Band 12 (GT - LC = 3.00 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	23017	23095	23173	23025	23095	23165	23035	23095	23155
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	699.7	707.5	715.3	700.5	707.5	714.5	701.5	707.5	713.5
(MHz)									
Conducted Power (dBm)	23.00	23.26	22.65	23.14	23.47	22.76	23.49	23.33	23.22
Conducted Power (Watts)	0.1995	0.2118	0.1841	0.2061	0.2223	0.1888	0.2234	0.2153	0.2099
ERP(dBm)	23.85	24.11	23.50	23.99	24.32	23.61	24.34	24.18	24.07
ERP(Watts)	0.2427	0.2576	0.2239	0.2506	0.2704	0.2296	0.2716	0.2618	0.2553

LTE Band 12 (GT - LC = 3.00 dB) 16QAM			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency	704	707.5	711
(MHz)			
Conducted Power (dBm)	23.13	22.92	23.40
Conducted Power (Watts)	0.2056	0.1959	0.2188
ERP(dBm)	23.98	23.77	24.25
ERP(Watts)	0.2500	0.2382	0.2661



LTE Band 12 (GT - LC = 3.00 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	23017	23095	23173	23025	23095	23165	23035	23095	23155
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	699.7	707.5	715.3	700.5	707.5	714.5	701.5	707.5	713.5
Conducted Power (dBm)	22.00	21.76	21.88	22.09	22.16	21.93	22.18	21.66	22.07
Conducted Power (Watts)	0.1585	0.1500	0.1542	0.1618	0.1644	0.1560	0.1652	0.1466	0.1611
ERP(dBm)	22.85	22.61	22.73	22.94	23.01	22.78	23.03	22.51	22.92
ERP(Watts)	0.1928	0.1824	0.1875	0.1968	0.2000	0.1897	0.2009	0.1782	0.1959

LTE Band 12 (GT - LC = 3.00 dB) 64QAM			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	22.14	22.16	21.78
Conducted Power (Watts)	0.1637	0.1644	0.1507
ERP(dBm)	22.99	23.01	22.63
ERP(Watts)	0.1991	0.2000	0.1832



LTE Band 13 (GT - LC = 3.00 dB) QPSK						
Bandwidth	5M			10M		
Channel	23205	23230	23255	23230		
	(Low)	(Mid)	(High)	-	(Mid)	-
Frequency	779.5	782	784.5	-	782	-
(MHz)						
Conducted Power (dBm)	23.63	23.56	23.48		23.67	-
Conducted Power (Watts)	0.2307	0.2270	0.2228		0.2328	-
ERP(dBm)	24.48	24.41	24.33		24.52	-
ERP(Watts)	0.2805	0.2761	0.2710		0.2831	-

LTE Band 13 (GT - LC = 3.00 dB) 16QAM						
Bandwidth	5M			10M		
Channel	23205	23230	23255	23230		
	(Low)	(Mid)	(High)	-	(Mid)	-
Frequency	779.5	782	784.5	-	782	-
(MHz)						
Conducted Power (dBm)	22.89	23.01	23.11		22.77	-
Conducted Power (Watts)	0.1945	0.2000	0.2046		0.1892	-
ERP(dBm)	23.74	23.86	23.96		23.62	-
ERP(Watts)	0.2366	0.2432	0.2489		0.2301	-

LTE Band 13 (GT - LC = 3.00 dB) 64QAM						
Bandwidth	5M			10M		
Channel	23205	23230	23255	23230		
	(Low)	(Mid)	(High)	-	(Mid)	-
Frequency	779.5	782	784.5	-	782	-
(MHz)						
Conducted Power (dBm)	21.90	21.81	21.50		21.70	-
Conducted Power (Watts)	0.1549	0.1517	0.1413		0.1479	-
ERP(dBm)	22.75	22.66	22.35		22.55	-
ERP(Watts)	0.1884	0.1845	0.1718		0.1799	-

LTE Band 41 ($G_T - L_C = 4.00$ dB) QPSK									
Bandwidth	5M			10M			15M		
Channel	39675	40620	41565	39700	40620	41540	39725	40620	41515
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	2498.5	2593	2687.5	2501	2593	2685	2503.5	2593	2682.5
(MHz)									
Conducted Power (dBm)	26.05	26.34	26.38	26.04	26.34	26.37	26.13	26.38	26.37
Conducted Power (Watts)	0.4027	0.4305	0.4345	0.4018	0.4305	0.4335	0.4102	0.4345	0.4335
EIRP(dBm)	30.05	30.34	30.38	30.04	30.34	30.37	30.13	30.38	30.37
EIRP(Watts)	1.0116	1.0814	1.0914	1.0093	1.0814	1.0889	1.0304	1.0914	1.0889

LTE Band 41 ($G_T - L_C = 4.00$ dB) QPSK			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency	2506	2593	2680
(MHz)			
Conducted Power (dBm)	26.12	26.39	26.40
Conducted Power (Watts)	0.4093	0.4355	0.4365
EIRP(dBm)	30.12	30.39	30.40
EIRP(Watts)	1.0280	1.0940	1.0965

LTE Band 41 ($G_T - L_C = 4.00$ dB) 16QAM									
Bandwidth	5M			10M			15M		
Channel	39675	40620	41565	39700	40620	41540	39725	40620	41515
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	2498.5	2593	2687.5	2501	2593	2685	2503.5	2593	2682.5
(MHz)									
Conducted Power (dBm)	25.23	25.65	25.68	25.30	25.68	25.62	25.26	25.63	25.61
Conducted Power (Watts)	0.3334	0.3673	0.3698	0.3388	0.3698	0.3648	0.3357	0.3656	0.3639
EIRP(dBm)	29.23	29.65	29.68	29.30	29.68	29.62	29.26	29.63	29.61
EIRP(Watts)	0.8375	0.9226	0.9290	0.8511	0.9290	0.9162	0.8433	0.9183	0.9141

LTE Band 41 ($G_T - L_C = 4.00$ dB) 16QAM			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency	2506	2593	2680
(MHz)			
Conducted Power (dBm)	25.31	25.63	25.62
Conducted Power (Watts)	0.3396	0.3656	0.3648
EIRP(dBm)	29.31	29.63	29.62
EIRP(Watts)	0.8531	0.9183	0.9162

LTE Band 41 ($G_T - L_C = 4.00$ dB) 64QAM									
Bandwidth	5M			10M			15M		
Channel	39675	40620	41565	39700	40620	41540	39725	40620	41515
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	2498.5	2593	2687.5	2501	2593	2685	2503.5	2593	2682.5
(MHz)									
Conducted Power (dBm)	24.17	24.53	24.57	24.14	24.48	24.54	24.18	24.52	24.50
Conducted Power (Watts)	0.2612	0.2838	0.2864	0.2594	0.2805	0.2844	0.2618	0.2831	0.2818
EIRP(dBm)	28.17	28.53	28.57	28.14	28.48	28.54	28.18	28.52	28.50
EIRP(Watts)	0.6561	0.7129	0.7194	0.6516	0.7047	0.7145	0.6577	0.7112	0.7079

LTE Band 41 ($G_T - L_C = 4.00$ dB) 64QAM			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency	2506	2593	2680
(MHz)			
Conducted Power (dBm)	24.21	24.51	24.51
Conducted Power (Watts)	0.2636	0.2825	0.2825
EIRP(dBm)	28.21	28.51	28.51
EIRP(Watts)	0.6622	0.7096	0.7096

LTE Band 71 (GT - LC = 3.00 dB) QPSK									
Bandwidth	5M			10M			15M		
Channel	133147	133297	133447	133172	133297	133422	133197	133297	133397
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5
(MHz)									
Conducted Power (dBm)	23.34	23.42	23.33	23.32	23.46	23.35	23.39	23.30	23.29
Conducted Power (Watts)	0.2158	0.2198	0.2153	0.2148	0.2218	0.2163	0.2183	0.2138	0.2133
ERP(dBm)	24.19	24.27	24.18	24.17	24.31	24.20	24.24	24.15	24.14
ERP(Watts)	0.2624	0.2673	0.2618	0.2612	0.2698	0.2630	0.2655	0.2600	0.2594

LTE Band 71 (GT - LC = 3.00 dB) QPSK			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency	673	680.5	688
(MHz)			
Conducted Power (dBm)	23.78	23.81	23.73
Conducted Power (Watts)	0.2388	0.2404	0.2360
ERP(dBm)	24.63	24.66	24.58
ERP(Watts)	0.2904	0.2924	0.2871

LTE Band 71 (GT - LC = 3.00 dB) 16QAM									
Bandwidth	5M			10M			15M		
Channel	133147	133297	133447	133172	133297	133422	133197	133297	133397
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5
(MHz)									
Conducted Power (dBm)	23.72	23.71	23.50	23.75	23.62	23.51	23.64	23.68	23.72
Conducted Power (Watts)	0.2355	0.2350	0.2239	0.2371	0.2301	0.2244	0.2312	0.2333	0.2355
ERP(dBm)	24.57	24.56	24.35	24.60	24.47	24.36	24.49	24.53	24.57
ERP(Watts)	0.2864	0.2858	0.2723	0.2884	0.2799	0.2729	0.2812	0.2838	0.2864

LTE Band 71 (GT - LC = 3.00 dB) 16QAM			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency	673	680.5	688
(MHz)			
Conducted Power (dBm)	23.80	23.57	23.64
Conducted Power (Watts)	0.2399	0.2275	0.2312
ERP(dBm)	24.65	24.42	24.49
ERP(Watts)	0.2917	0.2767	0.2812



LTE Band 71 (GT - LC = 3.00 dB) 64QAM									
Bandwidth	5M			10M			15M		
Channel	133147	133297	133447	133172	133297	133422	133197	133297	133397
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5
(MHz)									
Conducted Power (dBm)	23.47	23.58	23.42	23.54	23.60	23.43	23.52	23.50	23.45
Conducted Power (Watts)	0.2223	0.2280	0.2198	0.2259	0.2291	0.2203	0.2249	0.2239	0.2213
ERP(dBm)	24.32	24.43	24.27	24.39	24.45	24.28	24.37	24.35	24.30
ERP(Watts)	0.2704	0.2773	0.2673	0.2748	0.2786	0.2679	0.2735	0.2723	0.2692

LTE Band 71 (GT - LC = 3.00 dB) 64QAM			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency	673	680.5	688
(MHz)			
Conducted Power (dBm)	23.55	23.44	23.44
Conducted Power (Watts)	0.2265	0.2208	0.2208
ERP(dBm)	24.40	24.29	24.29
ERP(Watts)	0.2754	0.2685	0.2685

CA EIRP

LTE Band 7 CA (GT - LC = 4.00 dB) QPSK									
Bandwidth	15M + 15M			10M + 20M			20M+10M		
Channel PCC	20825	21025	21225	20805	21006	21206	20850	21051	21251
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375	20949	21150	21350	20994	21195	21395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.58	21.53	21.31	18.78	18.83	18.55	21.74	21.53	21.49
Conducted Power (Watts)	0.1439	0.1422	0.1352	0.0755	0.0764	0.0716	0.1493	0.1422	0.1409
EIRP(dBm)	25.58	25.53	25.31	22.78	22.83	22.55	25.74	25.53	25.49
EIRP(Watts)	0.3614	0.3573	0.3396	0.1897	0.1919	0.1799	0.3750	0.3573	0.3540

LTE Band 7 CA (GT - LC = 4.00 dB) QPSK									
Bandwidth	15M+20M			20M+15M			20M + 20M		
Channel PCC	20828	21003	21179	20850	21026	21201	20850	21001	21152
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20999	21174	21350	21021	21197	21372	21048	21199	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.71	21.48	21.38	21.74	21.61	21.50	21.64	21.59	21.51
Conducted Power (Watts)	0.1483	0.1406	0.1374	0.1493	0.1449	0.1413	0.1459	0.1442	0.1416
EIRP(dBm)	25.71	25.48	25.38	25.74	25.61	25.50	25.64	25.59	25.51
EIRP(Watts)	0.3724	0.3532	0.3451	0.3750	0.3639	0.3548	0.3664	0.3622	0.3556



LTE Band 7 CA (GT - LC = 4.00 dB) QPSK			
Bandwidth	15M + 10M		
Channel PCC	20825	21025	21225
	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375
	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.64	21.42	21.37
Conducted Power (Watts)	0.1459	0.1387	0.1371
EIRP(dBm)	25.64	25.42	25.37
EIRP(Watts)	0.3664	0.3483	0.3443

LTE Band 7 CA (GT - LC = 4.00 dB) 16QAM									
Bandwidth	15M + 15M			10M + 20M			20M+10M		
Channel PCC	20825	21025	21225	20805	21006	21206	20850	21051	21251
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375	20949	21150	21350	20994	21195	21395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.11	21.04	21.00	21.17	21.04	21.05	21.12	21.03	21.11
Conducted Power (Watts)	0.1291	0.1271	0.1259	0.1309	0.1271	0.1274	0.1294	0.1268	0.1291
EIRP(dBm)	25.11	25.04	25.00	25.17	25.04	25.05	25.12	25.03	25.11
EIRP(Watts)	0.3243	0.3192	0.3162	0.3289	0.3192	0.3199	0.3251	0.3184	0.3243

LTE Band 7 CA (GT - LC = 4.00 dB) 16QAM									
Bandwidth	15M+20M			20M+15M			20M + 20M		
Channel PCC	20828	21003	21179	20850	21026	21201	20850	21001	21152
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20999	21174	21350	21021	21197	21372	21048	21199	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.03	20.92	21.06	21.17	21.06	21.14	21.28	21.12	21.04
Conducted Power (Watts)	0.1268	0.1236	0.1276	0.1309	0.1276	0.1300	0.1343	0.1294	0.1271
EIRP(dBm)	25.03	24.92	25.06	25.17	25.06	25.14	25.28	25.12	25.04
EIRP(Watts)	0.3184	0.3105	0.3206	0.3289	0.3206	0.3266	0.3373	0.3251	0.3192



LTE Band 7 CA (GT - LC = 4.00 dB) 16QAM			
Bandwidth	15M + 10M		
Channel PCC	20825	21025	21225
	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375
	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.01	21.06	21.07
Conducted Power (Watts)	0.1262	0.1276	0.1279
EIRP(dBm)	25.01	25.06	25.07
EIRP(Watts)	0.3170	0.3206	0.3214

LTE Band 7 CA (GT - LC = 4.00 dB) 64QAM									
Bandwidth	15M + 15M			10M + 20M			20M+10M		
Channel PCC	20825	21025	21225	20805	21006	21206	20850	21051	21251
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375	20949	21150	21350	20994	21195	21395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	18.67	18.85	18.63	21.62	21.42	21.44	18.71	18.67	18.67
Conducted Power (Watts)	0.0736	0.0767	0.0729	0.1452	0.1387	0.1393	0.0743	0.0736	0.0736
EIRP(dBm)	22.67	22.85	22.63	25.62	25.42	25.44	22.71	22.67	22.67
EIRP(Watts)	0.1849	0.1928	0.1832	0.3648	0.3483	0.3499	0.1866	0.1849	0.1849

LTE Band 7 CA (GT - LC = 4.00 dB) 64QAM									
Bandwidth	15M+20M			20M+15M			20M + 20M		
Channel PCC	20828	21003	21179	20850	21026	21201	20850	21001	21152
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20999	21174	21350	21021	21197	21372	21048	21199	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	18.77	18.87	18.68	18.86	18.87	18.71	19.00	18.93	18.86
Conducted Power (Watts)	0.0753	0.0771	0.0738	0.0769	0.0771	0.0743	0.0794	0.0782	0.0769
EIRP(dBm)	22.77	22.87	22.68	22.86	22.87	22.71	23.00	22.93	22.86
EIRP(Watts)	0.1892	0.1936	0.1854	0.1932	0.1936	0.1866	0.1995	0.1963	0.1932



LTE Band 7 CA (GT - LC = 4.00 dB) 64QAM			
Bandwidth	15M + 10M		
Channel PCC	20825	21025	21225
	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375
	(Low)	(Mid)	(High)
Conducted Power (dBm)	18.85	18.83	18.53
Conducted Power (Watts)	0.0767	0.0764	0.0713
EIRP(dBm)	22.85	22.83	22.53
EIRP(Watts)	0.1928	0.1919	0.1791

LTE Band 41 CA (GT - LC = 4.00 dB) QPSK									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	39725	40545	41365	39683	40528	41373	39750	40595	41440
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39875	40695	41515	39800	40645	41490	39867	40712	41557
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.69	21.55	21.84	21.73	21.50	21.83	21.76	21.60	21.75
Conducted Power (Watts)	0.1476	0.1429	0.1528	0.1489	0.1413	0.1524	0.1500	0.1445	0.1496
EIRP(dBm)	25.69	25.55	25.84	25.73	25.50	25.83	25.76	25.60	25.75
EIRP(Watts)	0.3707	0.3589	0.3837	0.3741	0.3548	0.3828	0.3767	0.3631	0.3758

LTE Band 41 CA (GT - LC = 4.00 dB) QPSK									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	39705	40526	41346	39750	40571	41391	39728	40523	41319
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39849	40670	41490	39894	40715	41535	39899	40694	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.84	21.49	21.87	21.76	21.56	21.82	21.76	21.56	21.75
Conducted Power (Watts)	0.1528	0.1409	0.1538	0.1500	0.1432	0.1521	0.1500	0.1432	0.1496
EIRP(dBm)	25.84	25.49	25.87	25.76	25.56	25.82	25.76	25.56	25.75
EIRP(Watts)	0.3837	0.3540	0.3864	0.3767	0.3597	0.3819	0.3767	0.3597	0.3758

LTE Band 41 CA (GT - LC = 4.00 dB) QPSK						
Bandwidth	20M+15M			20M+20M		
Channel PCC	39750	40546	41341	39750	40521	41292
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39921	40717	41512	39948	40719	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.89	21.61	21.90	21.82	21.59	21.73
Conducted Power (Watts)	0.1545	0.1449	0.1549	0.1521	0.1442	0.1489
EIRP(dBm)	25.89	25.61	25.90	25.82	25.59	25.73
EIRP(Watts)	0.3882	0.3639	0.3890	0.3819	0.3622	0.3741

LTE Band 41 CA (GT - LC = 4.00 dB) QPSK						
Bandwidth	15M+10M			10M+15M		
Channel PCC	39725	40571	41417	39703	40549	41395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39845	40691	41537	39823	40669	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.83	21.50	21.71	21.80	21.60	21.82
Conducted Power (Watts)	0.1524	0.1413	0.1483	0.1514	0.1445	0.1521
EIRP(dBm)	25.83	25.50	25.71	25.80	25.60	25.82
EIRP(Watts)	0.3828	0.3548	0.3724	0.3802	0.3631	0.3819

LTE Band 41 CA (GT - LC = 4.00 dB) 16QAM									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	39725	40545	41365	39683	40528	41373	39750	40595	41440
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39875	40695	41515	39800	40645	41490	39867	40712	41557
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	20.78	20.49	20.89	20.87	20.53	20.78	20.73	20.51	20.79
Conducted Power (Watts)	0.1197	0.1119	0.1227	0.1222	0.1130	0.1197	0.1183	0.1125	0.1199
EIRP(dBm)	24.78	24.49	24.89	24.87	24.53	24.78	24.73	24.51	24.79
EIRP(Watts)	0.3006	0.2812	0.3083	0.3069	0.2838	0.3006	0.2972	0.2825	0.3013

LTE Band 41 CA (GT - LC = 4.00 dB) 16QAM									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	39705	40526	41346	39750	40571	41391	39728	40523	41319
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39849	40670	41490	39894	40715	41535	39899	40694	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.83	21.50	21.71	20.86	20.63	20.80	20.88	20.50	20.79
Conducted Power (Watts)	0.1524	0.1413	0.1483	0.1219	0.1156	0.1202	0.1225	0.1122	0.1199
EIRP(dBm)	25.83	25.50	25.71	24.86	24.63	24.80	24.88	24.50	24.79
EIRP(Watts)	0.3828	0.3548	0.3724	0.3062	0.2904	0.3020	0.3076	0.2818	0.3013



LTE Band 41 CA (GT - LC = 4.00 dB) 16QAM						
Bandwidth	20M+15M			20M+20M		
Channel PCC	39750	40546	41341	39750	40521	41292
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39921	40717	41512	39948	40719	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	20.92	20.68	20.93	20.81	20.64	20.74
Conducted Power (Watts)	0.1236	0.1169	0.1239	0.1205	0.1159	0.1186
EIRP(dBm)	24.92	24.68	24.93	24.81	24.64	24.74
EIRP(Watts)	0.3105	0.2938	0.3112	0.3027	0.2911	0.2979

LTE Band 41 CA (GT - LC = 4.00 dB) 16QAM						
Bandwidth	15M+10M			10M+15M		
Channel PCC	39725	40571	41417	39703	40549	41395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39845	40691	41537	39823	40669	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	20.78	20.50	20.82	20.85	20.49	20.93
Conducted Power (Watts)	0.1197	0.1122	0.1208	0.1216	0.1119	0.1239
EIRP(dBm)	24.78	24.50	24.82	24.85	24.49	24.93
EIRP(Watts)	0.3006	0.2818	0.3034	0.3055	0.2812	0.3112

LTE Band 41 CA (GT - LC = 4.00 dB) 64QAM									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	39725	40545	41365	39683	40528	41373	39750	40595	41440
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39875	40695	41515	39800	40645	41490	39867	40712	41557
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.01	18.84	18.90	18.99	18.79	19.02	19.03	18.80	18.87
Conducted Power (Watts)	0.0796	0.0766	0.0776	0.0793	0.0757	0.0798	0.0800	0.0759	0.0771
EIRP(dBm)	23.01	22.84	22.90	22.99	22.79	23.02	23.03	22.80	22.87
EIRP(Watts)	0.2000	0.1923	0.1950	0.1991	0.1901	0.2004	0.2009	0.1905	0.1936

LTE Band 41 CA (GT - LC = 4.00 dB) 64QAM									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	39705	40526	41346	39750	40571	41391	39728	40523	41319
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39849	40670	41490	39894	40715	41535	39899	40694	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.05	20.54	18.79	18.91	18.80	18.92	18.95	18.66	18.87
Conducted Power (Watts)	0.0804	0.1132	0.0757	0.0778	0.0759	0.0780	0.0785	0.0735	0.0771
EIRP(dBm)	23.05	24.54	22.79	22.91	22.80	22.92	22.95	22.66	22.87
EIRP(Watts)	0.2018	0.2844	0.1901	0.1954	0.1905	0.1959	0.1972	0.1845	0.1936



LTE Band 41 CA (GT - LC = 4.00 dB) 64QAM						
Bandwidth	20M+15M			20M+20M		
Channel PCC	39750	40546	41341	39750	40521	41292
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39921	40717	41512	39948	40719	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.11	18.85	19.05	18.99	18.82	19.02
Conducted Power (Watts)	0.0815	0.0767	0.0804	0.0793	0.0762	0.0798
EIRP(dBm)	23.11	22.85	23.05	22.99	22.82	23.02
EIRP(Watts)	0.2046	0.1928	0.2018	0.1991	0.1914	0.2004

LTE Band 41 CA (GT - LC = 4.00 dB) 64QAM						
Bandwidth	15M+10M			10M+15M		
Channel PCC	39725	40571	41417	39703	40549	41395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39845	40691	41537	39823	40669	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.02	18.83	18.91	19.02	18.73	19.03
Conducted Power (Watts)	0.0798	0.0764	0.0778	0.0798	0.0746	0.0800
EIRP(dBm)	23.02	22.83	22.91	23.02	22.73	23.03
EIRP(Watts)	0.2004	0.1919	0.1954	0.2004	0.1875	0.2009



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 7 / 20MHz / QPSK									
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	5002.18	-59.67	-25	-34.67	-77.04	-65.23	7.12	12.68	H
	7503.27	-55.93	-25	-30.93	-78.26	-59.26	8.26	11.59	H
	10004.36	-52.29	-25	-27.29	-79.42	-53.82	10.45	11.98	H
	5002.18	-60.36	-25	-35.36	-77.65	-65.92	7.12	12.68	V
	7503.27	-56.09	-25	-31.09	-78.32	-59.42	8.26	11.59	V
	10004.36	-52.86	-25	-27.86	-79.38	-54.39	10.45	11.98	V
Middle	5052.18	-60.22	-25	-35.22	-77.64	-65.78	7.14	12.70	H
	7578.27	-55.95	-25	-30.95	-78.14	-59.25	8.30	11.60	H
	10104.36	-52.24	-25	-27.24	-79.33	-53.76	10.48	12.00	H
	5052.18	-60.28	-25	-35.28	-77.63	-65.84	7.14	12.70	V
	7578.27	-55.84	-25	-30.84	-77.83	-59.14	8.30	11.60	V
	10104.36	-52.76	-25	-27.76	-79.36	-54.28	10.48	12.00	V
Highest	5102.18	-60.08	-25	-35.08	-77.55	-65.64	7.16	12.72	H
	7653.27	-55.32	-25	-30.32	-77.65	-58.62	8.33	11.63	H
	10204.36	-52.13	-25	-27.13	-79.19	-53.73	10.50	12.10	H
	5102.18	-60.35	-25	-35.35	-77.75	-65.91	7.16	12.72	V
	7653.27	-55.64	-25	-30.64	-77.81	-58.94	8.33	11.63	V
	10204.36	-52.42	-25	-27.42	-79.1	-54.02	10.50	12.10	V

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



LTE Band 12 / 10MHz / QPSK									
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	1399	-64.47	-13	-51.47	-72.61	-67.70	3.98	9.36	H
	2098.5	-65.02	-13	-52.02	-74.60	-68.57	4.85	10.55	H
	2798	-62.69	-13	-49.69	-74.67	-67.62	5.50	12.58	H
	1399	-64.25	-13	-51.25	-72.45	-67.48	3.98	9.36	V
	2098.5	-64.97	-13	-51.97	-74.93	-68.52	4.85	10.55	V
	2798	-62.41	-13	-49.41	-74.63	-67.34	5.50	12.58	V
Middle	1406	-64.09	-13	-51.09	-72.17	-67.34	4.00	9.40	H
	2109	-65.23	-13	-52.23	-74.99	-68.80	4.88	10.60	H
	2812	-62.87	-13	-49.87	-74.89	-67.80	5.52	12.60	H
	1406	-64.29	-13	-51.29	-72.45	-67.54	4.00	9.40	V
	2109	-64.66	-13	-51.66	-74.79	-68.23	4.88	10.60	V
	2812	-62.60	-13	-49.60	-74.86	-67.53	5.52	12.60	V
Highest	1413	-64.06	-13	-51.06	-72.06	-67.23	4.10	9.42	H
	2119.5	-64.88	-13	-51.88	-74.84	-68.46	4.90	10.63	H
	2826	-62.74	-13	-49.74	-74.80	-67.66	5.55	12.62	H
	1413	-64.00	-13	-51.00	-72.08	-67.17	4.10	9.42	V
	2119.5	-64.52	-13	-51.52	-74.85	-68.10	4.90	10.63	V
	2826	-62.65	-13	-49.65	-74.96	-67.57	5.55	12.62	V

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



LTE Band 13 / 5MHz / QPSK									
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	1554.5	-64.52	-13	-51.52	-71.36	-67.75	3.98	9.36	H
	2331.75	-53.79	-13	-40.79	-64.60	-57.34	4.85	10.55	H
	3109	-62.60	-13	-49.60	-75.45	-67.53	5.50	12.58	H
	1554.5	-66.10	-13	-53.10	-73.14	-69.33	3.98	9.36	V
	2331.75	-60.61	-13	-47.61	-71.81	-64.16	4.85	10.55	V
	3109	-62.31	-13	-49.31	-75.66	-67.24	5.50	12.58	V
Middle	1559.5	-63.63	-42.15	-21.48	-70.41	-66.88	4.00	9.40	H
	2339.25	-55.20	-13	-42.20	-65.99	-58.77	4.88	10.60	H
	3119	-62.65	-13	-49.65	-75.54	-67.58	5.52	12.60	H
	1559.5	-65.71	-42.15	-23.56	-72.70	-68.96	4.00	9.40	V
	2339.25	-60.22	-13	-47.22	-71.40	-63.79	4.88	10.60	V
	3119	-62.09	-13	-49.09	-75.49	-67.02	5.52	12.60	V
Highest	1564.5	-63.05	-42.15	-20.90	-69.77	-66.22	4.10	9.42	H
	2346.75	-53.06	-13	-40.06	-63.81	-56.64	4.90	10.63	H
	3129	-62.33	-13	-49.33	-75.25	-67.25	5.55	12.62	H
	1564.5	-65.60	-42.15	-23.45	-72.54	-68.77	4.10	9.42	V
	2346.75	-59.86	-13	-46.86	-71.00	-63.44	4.90	10.63	V
	3129	-62.23	-13	-49.23	-75.68	-67.15	5.55	12.62	V

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

LTE Band 13 / 10MHz / QPSK									
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)
Middle	1559.5	-66.23	-42.15	-24.08	-73.01	-69.48	4.00	9.40	H
	2339.25	-55.60	-13	-42.60	-66.39	-59.17	4.88	10.60	H
	3119	-62.82	-13	-49.82	-75.71	-67.75	5.52	12.60	H
	1559.5	-66.22	-42.15	-24.07	-73.21	-69.47	4.00	9.40	V
	2339.25	-58.93	-13	-45.93	-70.11	-62.50	4.88	10.60	V
	3119	-62.44	-13	-49.44	-75.84	-67.37	5.52	12.60	V

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



LTE Band 41 / 20MHz / QPSK									
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	4994.00	-60.34	-25	-35.34	-77.72	-65.90	7.12	12.68	H
	7491.00	-56.31	-25	-31.31	-78.67	-59.64	8.26	11.59	H
	9988.00	-52.60	-25	-27.60	-79.73	-54.13	10.45	11.98	H
	4994.00	-60.35	-25	-35.35	-77.66	-65.91	7.12	12.68	V
	7491.00	-55.52	-25	-30.52	-77.8	-58.85	8.26	11.59	V
	9988.00	-53.21	-25	-28.21	-79.75	-54.74	10.45	11.98	V
Middle	5168.00	-60.47	-25	-35.47	-77.99	-66.03	7.14	12.70	H
	7752.00	-55.29	-25	-30.29	-77.95	-58.59	8.30	11.60	H
	10336.00	-52.51	-25	-27.51	-79.52	-54.03	10.48	12.00	H
	5168.00	-60.50	-25	-35.50	-77.97	-66.06	7.14	12.70	V
	7752.00	-55.40	-25	-30.40	-78.03	-58.70	8.30	11.60	V
	10336.00	-52.91	-25	-27.91	-79.69	-54.43	10.48	12.00	V
Highest	5342.00	-62.38	-25	-37.38	-79.33	-67.94	7.16	12.72	H
	8013.00	-54.49	-25	-29.49	-78.35	-57.79	8.33	11.63	H
	10684.00	-51.67	-25	-26.67	-79.36	-53.27	10.50	12.10	H
	5342.00	-62.32	-25	-37.32	-79.51	-67.88	7.16	12.72	V
	8013.00	-54.28	-25	-29.28	-78.2	-57.58	8.33	11.63	V
	10684.00	-51.39	-25	-26.39	-78.93	-52.99	10.50	12.10	V

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



LTE Band 71 / 20MHz / QPSK									
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	1328	-65.31	-13	-52.31	-72.12	-68.54	3.98	9.36	H
	1992	-66.69	-13	-53.69	-74.50	-70.24	4.85	10.55	H
	2656	-63.90	-13	-50.90	-74.71	-68.83	5.50	12.58	H
	1328	-64.85	-13	-51.85	-71.57	-68.08	3.98	9.36	V
	1992	-66.13	-13	-53.13	-74.35	-69.68	4.85	10.55	V
	2656	-63.64	-13	-50.64	-74.78	-68.57	5.50	12.58	V
Middle	1343	-64.87	-13	-51.87	-71.89	-68.12	4.00	9.40	H
	2014.5	-66.32	-13	-53.32	-74.43	-69.89	4.88	10.60	H
	2686	-63.49	-13	-50.49	-74.55	-68.42	5.52	12.60	H
	1343	-65.13	-13	-52.13	-72.10	-68.38	4.00	9.40	V
	2014.5	-65.88	-13	-52.88	-74.41	-69.45	4.88	10.60	V
	2686	-63.24	-13	-50.24	-74.60	-68.17	5.52	12.60	V
Highest	1358	-64.71	-13	-51.71	-72.05	-67.88	4.10	9.42	H
	2037	-65.79	-13	-52.79	-74.29	-69.37	4.90	10.63	H
	2716	-63.12	-13	-50.12	-74.43	-68.04	5.55	12.62	H
	1358	-64.31	-13	-51.31	-71.63	-67.48	4.10	9.42	V
	2037	-65.20	-13	-52.20	-74.11	-68.78	4.90	10.63	V
	2716	-62.91	-13	-49.91	-74.50	-67.83	5.55	12.62	V

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



LTE Band 7C_CA / 20MHz+20MHz / QPSK									
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	5039.80	-59.78	-25	-34.78	-77.18	-65.34	7.12	12.68	H
	7559.70	-55.52	-25	-30.52	-77.73	-58.85	8.26	11.59	H
	10079.60	-51.95	-25	-26.95	-79.05	-53.48	10.45	11.98	H
	5039.80	-59.96	-25	-34.96	-77.29	-65.52	7.12	12.68	V
	7559.70	-55.84	-25	-30.84	-77.88	-59.17	8.26	11.59	V
	10079.60	-52.39	-25	-27.39	-78.97	-53.92	10.45	11.98	V
Middle	5070.00	-60.05	-25	-35.05	-77.49	-65.61	7.14	12.70	H
	7605.00	-56.13	-25	-31.13	-78.29	-59.43	8.30	11.60	H
	10140.00	-52.46	-25	-27.46	-79.54	-53.98	10.48	12.00	H
	5070.00	-60.27	-25	-35.27	-77.64	-65.83	7.14	12.70	V
	7605.00	-56.50	-25	-31.50	-78.44	-59.80	8.30	11.60	V
	10140.00	-53.02	-25	-28.02	-79.65	-54.54	10.48	12.00	V
Highest	5100.20	-60.35	-25	-35.35	-77.82	-65.91	7.16	12.72	H
	7650.30	-55.62	-25	-30.62	-77.94	-58.92	8.33	11.63	H
	10200.40	-52.06	-25	-27.06	-79.12	-53.66	10.50	12.10	H
	5100.20	-60.07	-25	-35.07	-77.47	-65.63	7.16	12.72	V
	7650.30	-55.97	-25	-30.97	-78.13	-59.27	8.33	11.63	V
	10200.40	-52.63	-25	-27.63	-79.31	-54.23	10.50	12.10	V

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



LTE Band 41C_CA / 20MHz+20MHz / QPSK									
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	5031.80	-59.66	-25	-34.66	-77.06	-65.22	7.12	12.68	H
	7547.70	-55.18	-25	-30.18	-77.43	-58.51	8.26	11.59	H
	10063.60	-51.95	-25	-26.95	-79.05	-53.48	10.45	11.98	H
	5031.80	-60.17	-25	-35.17	-77.49	-65.73	7.12	12.68	V
	7547.70	-55.75	-25	-30.75	-77.84	-59.08	8.26	11.59	V
	10063.60	-52.34	-25	-27.34	-78.91	-53.87	10.45	11.98	V
Middle	5186.00	-60.50	-25	-35.50	-78.04	-66.06	7.14	12.70	H
	7779.00	-54.83	-25	-29.83	-77.59	-58.13	8.30	11.60	H
	10372.00	-52.15	-25	-27.15	-79.15	-53.67	10.48	12.00	H
	5186.00	-60.42	-25	-35.42	-77.91	-65.98	7.14	12.70	V
	7779.00	-55.08	-25	-30.08	-77.84	-58.38	8.30	11.60	V
	10372.00	-52.37	-25	-27.37	-79.19	-53.89	10.48	12.00	V
Highest	5340.00	-61.74	-25	-36.74	-78.69	-67.30	7.16	12.72	H
	8010.30	-53.63	-25	-28.63	-77.50	-56.93	8.33	11.63	H
	10680.40	-51.26	-25	-26.26	-78.93	-52.86	10.50	12.10	H
	5340.00	-61.67	-25	-36.67	-78.85	-67.23	7.16	12.72	V
	8010.30	-53.25	-25	-28.25	-77.18	-56.55	8.33	11.63	V
	10680.40	-51.38	-25	-26.38	-78.91	-52.98	10.50	12.10	V

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