# **FCC RF Test Report**

APPLICANT : LC Future Center Limited Taiwan Branch

EQUIPMENT : Notebook
BRAND NAME : Lenovo
MODEL NAME : TP00086B

FCC ID : 2AJN7-TP00086B

STANDARD : 47 CFR Part 2, 22(H), 24(E), 27
CLASSIFICATION : PCS Licensed Transmitter (PCB)

Equipment: Fibocom L850-GL tested inside of Lenovo Notebook.

This is a partial report. The product was received on Dec. 21, 2017 and completely tested on Jan. 18, 2018. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA / EIA-603-E and the testing has shown the tested sample to be in 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., the test report shall not be reproduced except in full.

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager

#### SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.

SPORTON INTERNATIONAL INC.

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Report Issued Date : Jan. 24, 2018
Report Version : Rev. 01

Report No.: FG7O2534-06B

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## **REVISION HISTORY**

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG7O2534-06B	Rev. 01	Initial issue of report	Jan. 24, 2018

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## **SUMMARY OF TEST RESULT**

Report Section	FCC Rule	Description	Limit	Result	Remark
	§2.1046	Conducted Output Power	Reporting Only		
	§22.913(a)(2)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt		
3.4	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17)	ERP < 3 Watt	PASS	-
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 7)(Band 41)	EIRP < 2Watt	< 2Watt	
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)	EIRP < 1Watt		
4.4	\$2.1053 \$22.917(a) \$24.238(a) \$27.53(c)(2) \$27.53(f) \$27.53(g) \$27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 26) (Band 66)	< 43+10log <sub>10</sub> (P[Watts])	PASS	Under limit 9.50 dB at 15156.000 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7)(Band 41)	< 55+10log <sub>10</sub> (P[Watts])		

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# 1 General Description

## 1.1 Applicant

#### **LC Future Center Limited Taiwan Branch**

7F., No.780, Bei'an Rd., Zhongshan Dist., Taipei City 104, Taiwan (R.O.C.)

#### 1.2 Manufacturer

#### LC Future Center Limited Taiwan Branch

7F., No.780, Bei'an Rd., Zhongshan Dist., Taipei City 104, Taiwan (R.O.C.)

## 1.3 Product Feature of Equipment Under Test

Product Feature								
Equipment	Notebook							
Brand Name	Lenovo							
Model Name	TP00086B							
FCC ID	2AJN7-TP00086B							
Sample 1	EUT with Amphenol Antenna							
Sample 2	EUT with Speedwire Antenna							
Integrated WWAN Module	Brand Name: Fibocom Model Name: L850-GL							

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#### Remark:

- The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
- 2. All test items were performed with Sample 1.
- 3. Equipment: Fibocom L850-GL tested inside of Lenovo Notebook.

L850-GL	3G & LTE			
Antenna 1	Manufacturer	Amphenol	Peak gain	2.99
Antenna i	Part Number	LX-8905-16-000-C	Туре	PIFA
Antonno 2	Manufacturer	Speedwire	Peak gain	2.72
Antenna 2	Part Number	F.0G.ZV-0006-006-00	Туре	PIFA

#### 1.4 Modification of EUT

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

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## 1.5 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 and TW0007 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.						
Test Site Location	No. 52, Hwa Ya 1 <sup>st</sup> Rd., Hwa Ya Technology Park,						
Test Site Location	Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.						
Took Cita No	Sporton Site No.						
Test Site No.	TH05-HY						

Test Site	SPORTON INTERNATIONAL INC.					
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist,					
rest Site Location	Taoyuan City, Taiwan (R.O.C.)					
Took Site No	Sporton Site No.					
Test Site No.	03CH11-HY					

## 1.6 Applicable Standards

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

- 47 CFR Part 2, 22(H), 24(E), 27
- ANSI / TIA / EIA-603-E
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

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

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# 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 v03 with maximum output power.

			В	andwic	lth (MH	lz)		Modu	lation		RB#		Tes	t Char	nnel
Test Items	Band	1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	М	Н
	2	v	V	V	y	V	V	V	V	V	v	v	V	V	v
	4	v	V	V	V	V	V	V	v	v	v	v	V	v	v
	5	V	V	V	V	-	-	v	v	V	v	v	V	v	V
May	7	-	•	V	y	V	V	V	v	V	v	v	V	v	v
Max. Output	12	v	V	V	y	•	-	V	v	V	v	v	V	V	v
Power	13	-	•	V	y	•	-	V	v	V	v	v	V	V	v
i owei	17	-	•	V	V	•	-	V	v	V	v	v	V	V	v
	26	v	V	V	V	V	-	V	v	V	v	v	V	V	v
	41	-	•	V	y	V	V	V	V	V	v	v	V	V	v
	66	v	V	V	y	V	V	V	v	V	v	v	V	V	v
	2	v	V	v	v	v	V	v	v	v			٧	V	v
	4	v	V	v	V	V	v	v	v	v	v		٧	V	v
	5	v	V	V	V	-	-	V	v	v			٧	V	v
	7	1		V	V	V	v	V	v	v			٧	V	V
E.R.P./	12	v	V	v	v	-	-	v	v	v			V	V	v
E.I.R.P.	13	-	1	v	V	1	-	v	v	٧			٧	V	v
	17	-	1	V	V	1	-	v	v	٧			٧	V	v
	26	v	V	V	V	V	-	v	v	٧			٧	V	v
	41	-	ı	V	V	V	y	V	v	٧			V	V	v
	66	v	v	V	V	v	V	V	v	V			V	v	v

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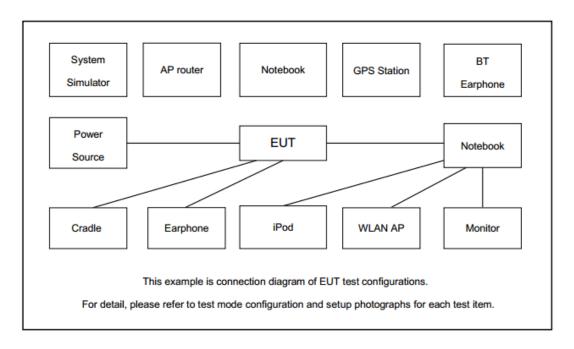
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													•		
Tool Home	Daniel		В	andwid	lth (MH	lz)		Modu	lation		RB#		Tes	t Chan	nel
Test Items	Band	1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	М	Н
	2		Worse Case										V	V	V
	4		Worse Case									V	V	V	
	5						Worse	Case					V	V	V
Dedicted	7						Worse	Case					V	V	V
Radiated Spurious	12		Worse Case										V	V	V
Emission	13		Worse Case									V	V	V	
Lillission	17		Worse Case									V	V	V	
	26		Worse Case									V	V	V	
	41		Worse Case									V	V	V	
	66						Worse	Case					V	V	V
	1. Th	e mar	k "v "	mean	s that	this c	:onfigu	uration is	chosen	for te	sting				
	2. Th	e mar	k "-" r	neans	that t	this ba	andwi	dth is not	support	ed.					
Note	3. Th	e dev	ice is	inves	tigated	d from	1 30M	Hz to 10	times of	funda	ament	tal sig	nal fo	r radia	ıted
	sp	urious	emis	sion t	est un	nder d	ifferer	nt RB size	e/offset a	ınd m	odula	itions	in exp	olorato	ry

test. Subsequently, only the worst case emissions are reported.

# 2.2 Connection Diagram of Test System



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# 2.3 Support Unit used in test configuration and system

Item	Equipment	Equipment Trade Name M		lodel No. FCC ID		Power Cord
1.	System Simulator	Anritsu	8821C	N/A	N/A	N/A
2.	iPod Earphone	Apple	N/A	Verification	N/A	N/A

# 2.4 Frequency List of Low/Middle/High Channels

	LTE Band 2 Cha	nnel and Frequenc	cy List	
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
20	Frequency	1860.0	1880.0	1900.0
15	Channel	18675	18900	19125
15	Frequency	1857.5	1880.0	1902.5
10	Channel	18650	18900	19150
10	Frequency	1855.0	1880.0	1905.0
5	Channel	18625	18900	19175
5	Frequency	1852.5	1880.0	1907.5
3	Channel	18615	18900	19185
3	Frequency	1851.5	1880.0	1908.5
1.4	Channel	18607	18900	19193
1.4	Frequency	1850.7	1880.0	1909.3

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	LTE Band 4 Channel and Frequency List												
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest									
20	Channel	20050	20175	20300									
20	Frequency	1720.0	1732.5	1745.0									
15	Channel	20025	20175	20325									
15	Frequency	1717.5	1732.5	1747.5									
40	Channel	20000	20175	20350									
10	Frequency	1715.0	1732.5	1750.0									
5	Channel	19975	20175	20375									
5	Frequency	1712.5	1732.5	1752.5									
2	Channel	19965	20175	20385									
3	Frequency	1711.5	1732.5	1753.5									
1.4	Channel	19957	20175	20393									
1.4	Frequency	1710.7	1732.5	1754.3									

LTE Band 5 Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz) Lowest Middle Hig				
10	Channel	20450	20525	20600	
10	Frequency	829.0	836.5	844.0	
5	Channel	20425	20525	20625	
5	Frequency	826.5	836.5	846.5	
3	Channel	20415	20525	20635	
3	Frequency	825.5	836.5	847.5	
1.4	Channel	20407	20525	20643	
1.4	Frequency	824.7	836.5	848.3	

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LTE Band 7 Channel and Frequency List						
BW [MHz]	Channel/Frequency(MHz)	Highest				
20	Channel	20850	21100	21350		
20	Frequency	2510.0	2535.0	2560.0		
15	Channel	20825	21100	21375		
15	Frequency	2507.5	2535.0	2562.5		
10	Channel	20800	21100	21400		
10	Frequency	2505.0	2535.0	2565.0		
5	Channel	20775	21100	21425		
5	Frequency	2502.5	2535.0	2567.5		

LTE Band 12 Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)	Middle	Highest		
10	Channel	23060	23095	23130	
10	Frequency	704.0	707.5	711.0	
5	Channel	23035	23095	23155	
5	Frequency	701.5	707.5	713.5	
3	Channel	23025	23095	23165	
3	Frequency	700.5	707.5	714.5	
4.4	Channel	23017	23095	23173	
1.4	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	-		
10	Frequency	-	782.0	-		
E	Channel	23205	23230	23255		
5	Frequency	779.5	782.0	784.5		

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LTE Band 17 Channel and Frequency List							
BW [MHz]	Channel/Frequency(MHz) Lowest Middle Highest						
10	Channel	23780	23790	23800			
10	Frequency	709.0	710.0	711.0			
-	Channel	23755	23790	23825			
5	Frequency	706.5	710.0	713.5			

LTE Band 26 Channel and Frequency List						
BW [MHz]	Channel/Frequency(MHz) Lowest Middle Hig					
15	Channel	26865	26915	26965		
15	Frequency	831.5	836.5	841.5		
10	Channel	26840	26915	26990		
10	Frequency	829.0	836.5	844.0		
5	Channel	26815	26915	27015		
5	Frequency	826.5	836.5	846.5		
3	Channel	26805	26915	27025		
3	Frequency	825.5	836.5	847.5		
1.4	Channel	26797	26915	27033		
1.4	Frequency	824.7	836.5	848.3		

LTE Band 41 Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)	Highest			
20	Channel	39750	40620	41490	
20	Frequency	2506.0	2593.0	2680.0	
15	Channel	39725	40620	41515	
15	Frequency	2503.5	2593.0	2682.5	
10	Channel	39700	40620	41540	
10	Frequency	2501.0	2593.0	2685.0	
5	Channel	39675	40620	41565	
5	Frequency	2498.5	2593.0	2687.5	

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LTE Band 66 Channel and Frequency List						
BW [MHz]	Channel/Frequency(MHz) Lowest Middle Highe					
20	Channel	132072	132322	132572		
20	Frequency	1720	1745	1770		
15	Channel	132047	132322	132597		
15	Frequency	1717.5	1745	1772.5		
40	Channel	132022	132322	132622		
10	Frequency	1715	1745	1775		
E	Channel	131997	132322	132647		
5	Frequency	1712.5	1745	1777.5		
2	Channel	131987	132322	132657		
3	Frequency	1711.5	1745	1778.5		
1.4	Channel	131979	132322	132665		
1.4	Frequency	1710.7	1745	1779.3		

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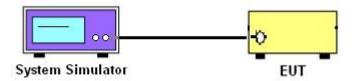
## 3 Conducted Test Items

## 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.

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## 3.4 Conducted Output Power and ERP/EIRP

# 3.4.1 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 7 Watts for LTE Band 5 and Band 26..

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

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

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4 and Band 66.

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

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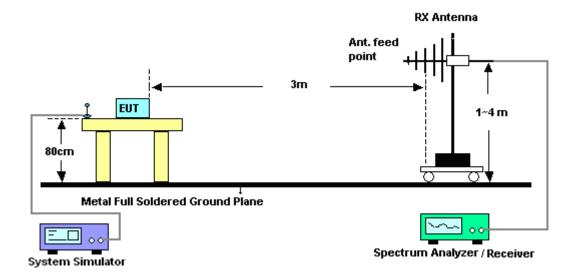
### 4 Radiated Test Items

## 4.1 Measuring Instruments

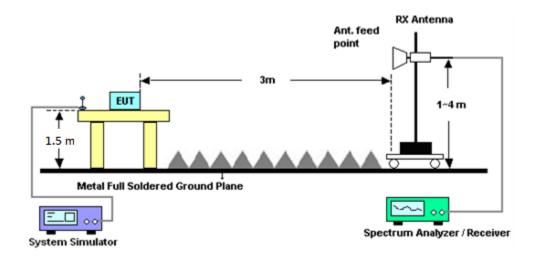
See list of measuring instruments of this test report.

## 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.

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## 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 / TIA / EIA-603-E. 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, 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 12,13,17

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 FCC KDB 971168 v03 Section 5.8 and ANSI / TIA-603-E Section 2.2.12.
- The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
- 3. The EUT was set 3 meters from the receiving antenna, which was 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 one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
- 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. Taking the record of output power at antenna port.
- 10. Repeat step 7 to step 8 for another polarization.
- 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)

12. For Band 7, 41:

The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts) EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain ERP (dBm) = EIRP - 2.15

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# 5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LTE Base Station	Anritsu	MT8820C	6201432821	GSM/GPRS /WCDMA/LTE	Oct. 13, 2017	Jan. 02, 2018	Oct. 12, 2018	Conducted (TH05-HY)
Amplifier	MITEQ	TTA1840-35- HG	1871923	18GHz~40GHz,VS WR: 2.5:1 max	Jul. 18, 2017	Jan. 10, 2018 ~ Jan. 18, 2018	Jul. 17, 2018	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Nov. 10, 2016	Jan. 10, 2018 ~ Jan. 18, 2018	Nov. 09, 2018	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D&N-6-0	35414&AT-N0 602	30MHz~1GHz	Oct. 14, 2017	Jan. 10, 2018 ~ Jan. 18, 2018	Oct. 13, 2018	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Oct. 16, 2017	Jan. 10, 2018 ~ Jan. 18, 2018	Oct. 15, 2018	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1GHz ~ 18GHz	Mar. 17, 2017	Jan. 10, 2018 ~ Jan. 18, 2018	Mar. 16, 2018	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Nov. 23, 2017	Jan. 10, 2018 ~ Jan. 18, 2018	Nov. 22, 2019	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 10, 2016	Jan. 10, 2018 ~ Jan. 18, 2018	Nov. 09, 2018	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz ~ 44GHz	Oct. 19, 2017	Jan. 10, 2018 ~ Jan. 18, 2018	Oct. 18, 2018	Radiation (03CH11-HY)
Filter	Wainwright	WHKX12-108 0-1200-1500-	SN2	1.2G High Pass	Sep. 18, 2017	Jan. 10, 2018 ~ Jan. 18, 2018	Sep. 17, 2018	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1~4m	N/A	Jan. 10, 2018 ~ Jan. 18, 2018	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Jan. 10, 2018 ~ Jan. 18, 2018	N/A	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE )	MY57290111	3Hz~26.5GHz	Nov. 02, 2017	Jan. 10, 2018 ~ Jan. 18, 2018	Nov. 01, 2018	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA917057 6	18GHz- 40GHz	Apr. 27, 2017	Jan. 10, 2018 ~ Jan. 18, 2018	Apr. 26, 2018	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA917058 4	18GHz- 40GHz	Nov. 27, 2017	Jan. 10, 2018 ~ Jan. 18, 2018	Nov. 26, 2018	Radiation (03CH11-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 22, 2017	Jan. 10, 2018 ~ Jan. 18, 2018	May 21, 2018	Radiation (03CH11-HY)

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# 6 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of	2 27
Confidence of 95% (U = 2Uc(y))	3.37

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

Measuring Uncertainty for a Level of	2.67
Confidence of 95% (U = 2Uc(y))	3.67

#### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of	4.03
Confidence of 95% (U = 2Uc(y))	4.03

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# FCC RF Test Report

# **Appendix A. Test Results of Conducted Test**

## Conducted Output Power(Average power)

	LTE Band 2 Maximum Average Power [dBm]									
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest				
20	1	0		23.72	23.75	23.77				
20	1	49		23.51	23.65	23.37				
20	1	99		23.52	23.71	23.57				
20	50	0	QPSK	22.70	22.48	22.81				
20	50	24		22.51	22.40	22.77				
20	50	50		22.47	22.48	22.76				
20	100	0		22.63	22.64	22.87				
20	1	0		22.96	22.99	22.86				
20	1	49		22.85	22.89	22.65				
20	1	99		22.84	22.85	22.88				
20	50	0	16-QAM	21.74	21.75	21.56				
20	50	24		21.56	21.82	21.43				
20	50	50		21.52	21.87	21.49				
20	100	0		21.64	21.91	21.66				
15	1	0		23.76	23.69	23.51				
15	1	37		23.66	23.76	23.43				
15	1	74		23.40	23.76	23.55				
15	36	0	QPSK	22.70	22.73	22.38				
15	36	20		22.65	22.76	22.40				
15	36	39		22.46	22.83	22.44				
15	75	0		22.65	22.77	22.56				
15	1	0		22.93	22.98	22.71				
15	1	37		22.93	22.95	22.61				
15	1	74		22.64	22.99	22.76				
15	36	0	16-QAM	21.76	21.76	21.44				
15	36	20		21.71	21.84	21.46				
15	36	39		21.52	21.91	21.47				
15	75	0		21.67	21.82	21.61				

	LTE Band 2 Maximum Average Power [dBm]								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest			
10	1	0		23.74	23.72	23.50			
10	1	25		23.69	23.74	23.47			
10	1	49		23.53	23.76	23.61			
10	25	0	QPSK	22.76	22.81	22.48			
10	25	12		22.68	22.84	22.50			
10	25	25		22.65	22.90	22.64			
10	50	0		22.64	22.79	22.52			
10	1	0		22.95	22.99	22.71			
10	1	25		22.98	22.91	22.73			
10	1	49		22.81	22.97	22.90			
10	25	0	16-QAM	21.85	21.87	21.52			
10	25	12		21.80	21.83	21.53			
10	25	25		21.77	21.95	21.67			
10	50	0		21.73	21.88	21.57			
5	1	0		23.76	23.76	23.47			
5	1	12		23.76	23.76	23.54			
5	1	24		23.67	23.74	23.51			
5	12	0	QPSK	22.53	22.54	22.55			
5	12	7		22.52	22.51	22.55			
5	12	13		22.57	22.51	22.54			
5	25	0		22.73	22.76	22.54			
5	1	0		22.98	22.96	22.74			
5	1	12		22.93	22.92	22.82			
5	1	24		22.97	22.95	22.76			
5	12	0	16-QAM	21.53	21.71	21.52			
5	12	7		21.55	21.66	21.50			
5	12	13		21.50	21.62	21.48			
5	25	0		21.73	21.80	21.56			

LTE Band 2 Maximum Average Power [dBm]								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest		
3	1	0		23.73	23.74	23.50		
3	1	8		23.69	23.76	23.53		
3	1	14		23.67	23.75	23.46		
3	8	0	QPSK	22.68	22.71	22.57		
3	8	4		22.67	22.71	22.49		
3	8	7		22.68	22.78	22.50		
3	15	0		22.68	22.78	22.49		
3	1	0		22.91	22.91	22.73		
3	1	8		22.99	22.96	22.77		
3	1	14		22.98	22.97	22.71		
3	8	0	16-QAM	21.76	21.79	21.55		
3	8	4		21.75	21.79	21.49		
3	8	7		21.79	21.80	21.51		
3	15	0		21.76	21.74	21.46		
1.4	1	0		23.74	23.76	23.50		
1.4	1	3		23.67	23.75	23.48		
1.4	1	5		23.70	23.76	23.46		
1.4	3	0	QPSK	23.74	23.75	23.51		
1.4	3	1		23.67	23.75	23.49		
1.4	3	3		23.69	23.76	23.45		
1.4	6	0		22.65	22.74	22.51		
1.4	1	0		22.93	23.00	22.83		
1.4	1	3		22.92	23.00	22.81		
1.4	1	5		22.97	22.94	22.77		
1.4	3	0	16-QAM	22.80	22.79	22.56		
1.4	3	1		22.71	22.79	22.55		
1.4	3	3		22.73	22.80	22.50		
1.4	6	0		21.74	21.80	21.56		

LTE Band 4 Maximum Average Power [dBm]									
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest			
20	1	0		23.43	23.70	23.47			
20	1	49		23.60	23.41	23.38			
20	1	99		23.52	23.32	23.61			
20	50	0	QPSK	22.56	22.62	22.34			
20	50	24		22.60	22.36	22.40			
20	50	50		22.57	22.31	22.54			
20	100	0		22.67	22.68	22.58			
20	1	0		22.65	22.85	22.73			
20	1	49		22.82	22.61	22.69			
20	1	99		22.73	22.48	22.98			
20	50	0	16-QAM	21.59	21.57	21.37			
20	50	24		21.62	21.44	21.43			
20	50	50		21.59	21.40	21.56			
20	100	0		21.68	21.49	21.57			
15	1	0		23.36	23.61	23.31			
15	1	37		23.56	23.36	23.51			
15	1	74		23.54	23.25	23.64			
15	36	0	QPSK	22.49	22.50	22.34			
15	36	20		22.60	22.35	22.51			
15	36	39		22.55	22.27	22.56			
15	75	0		22.63	22.32	22.58			
15	1	0		22.68	22.79	22.54			
15	1	37		22.86	22.57	22.76			
15	1	74		22.84	22.46	22.90			
15	36	0	16-QAM	21.53	21.58	21.42			
15	36	20		21.63	21.46	21.61			
15	36	39		21.59	21.39	21.62			
15	75	0		21.64	21.41	21.64			

LTE Band 4 Maximum Average Power [dBm]									
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest			
10	1	0		23.34	23.60	23.55			
10	1	25		23.50	23.39	23.68			
10	1	49		23.59	23.31	23.67			
10	25	0	QPSK	22.48	22.49	22.69			
10	25	12		22.51	22.42	22.72			
10	25	25		22.58	22.35	22.80			
10	50	0		22.49	22.38	22.70			
10	1	0		22.59	22.82	22.78			
10	1	25		22.72	22.65	22.89			
10	1	49		22.83	22.55	22.90			
10	25	0	16-QAM	21.52	21.53	21.73			
10	25	12		21.55	21.47	21.73			
10	25	25		21.64	21.38	21.80			
10	50	0		21.55	21.40	21.72			
5	1	0		23.28	23.42	23.67			
5	1	12		23.37	23.34	23.63			
5	1	24		23.42	23.30	23.64			
5	12	0	QPSK	22.28	22.31	22.23			
5	12	7		22.20	22.25	22.19			
5	12	13		22.17	22.22	22.16			
5	25	0		22.42	22.37	22.72			
5	1	0		22.56	22.65	22.88			
5	1	12		22.58	22.57	22.96			
5	1	24		22.64	22.52	22.97			
5	12	0	16-QAM	21.36	21.44	21.44			
5	12	7		21.33	21.38	21.34			
5	12	13		21.39	21.37	21.32			
5	25	0		21.38	21.39	21.76			

LTE Band 4 Maximum Average Power [dBm]									
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest			
3	1	0		23.25	23.37	23.67			
3	1	8		23.28	23.36	23.65			
3	1	14		23.32	23.25	23.67			
3	8	0	QPSK	22.28	22.35	22.73			
3	8	4		22.26	22.31	22.74			
3	8	7		22.33	22.31	22.78			
3	15	0		22.28	22.33	22.76			
3	1	0		22.49	22.56	22.96			
3	1	8		22.59	22.56	22.93			
3	1	14		22.63	22.50	22.97			
3	8	0	16-QAM	21.39	21.42	21.78			
3	8	4		21.36	21.38	21.78			
3	8	7		21.42	21.42	21.82			
3	15	0		21.32	21.38	21.75			
1.4	1	0		23.23	23.37	23.68			
1.4	1	3		23.24	23.28	23.67			
1.4	1	5		23.26	23.28	23.62			
1.4	3	0	QPSK	23.21	23.31	23.69			
1.4	3	1		23.19	23.30	23.69			
1.4	3	3		23.25	23.30	23.62			
1.4	6	0		22.28	22.32	22.82			
1.4	1	0		22.50	22.59	22.94			
1.4	1	3		22.52	22.53	22.93			
1.4	1	5		22.51	22.57	22.96			
1.4	3	0	16-QAM	22.29	22.40	22.86			
1.4	3	1		22.32	22.38	22.84			
1.4	3	3		22.41	22.37	22.86			
1.4	6	0		21.33	21.38	21.86			

LTE Band 5 Maximum Average Power [dBm]									
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest			
10	1	0		23.58	23.47	23.61			
10	1	25		23.44	23.50	23.48			
10	1	49		23.49	23.54	23.60			
10	25	0	QPSK	22.55	22.50	22.57			
10	25	12		22.52	22.53	22.49			
10	25	25		22.52	22.58	22.57			
10	50	0		22.57	22.52	22.59			
10	1	0		23.00	22.84	23.00			
10	1	25		22.78	22.90	22.78			
10	1	49		22.92	22.94	22.95			
10	25	0	16-QAM	21.59	21.62	21.66			
10	25	12		21.55	21.64	21.58			
10	25	25		21.57	21.69	21.65			
10	50	0		21.59	21.63	21.66			
5	1	0		23.54	23.47	23.43			
5	1	12		23.41	23.46	23.43			
5	1	24		23.40	23.53	23.54			
5	12	0	QPSK	22.41	22.44	22.44			
5	12	7		22.45	22.45	22.50			
5	12	13		22.43	22.47	22.54			
5	25	0		22.49	22.47	22.52			
5	1	0		22.94	22.78	22.75			
5	1	12		22.78	22.78	22.73			
5	1	24		22.76	22.81	22.85			
5	12	0	16-QAM	21.53	21.52	21.46			
5	12	7		21.51	21.54	21.52			
5	12	13		21.45	21.59	21.57			
5	25	0		21.54	21.52	21.57			

LTE Band 5 Maximum Average Power [dBm]								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest		
3	1	0		23.47	23.41	23.37		
3	1	8		23.35	23.47	23.50		
3	1	14		23.34	23.46	23.49		
3	8	0	QPSK	22.51	22.46	22.47		
3	8	4		22.42	22.44	22.49		
3	8	7		22.40	22.46	22.50		
3	15	0		22.41	22.45	22.52		
3	1	0		22.80	22.76	22.63		
3	1	8		22.70	22.81	22.77		
3	1	14		22.66	22.80	22.79		
3	8	0	16-QAM	21.56	21.54	21.54		
3	8	4		21.45	21.55	21.58		
3	8	7		21.42	21.57	21.57		
3	15	0		21.46	21.50	21.52		
1.4	1	0		23.49	23.44	23.49		
1.4	1	3		23.44	23.43	23.48		
1.4	1	5		23.43	23.45	23.51		
1.4	3	0	QPSK	23.50	23.42	23.46		
1.4	3	1		23.48	23.40	23.46		
1.4	3	3		23.48	23.41	23.48		
1.4	6	0		22.48	22.42	22.47		
1.4	1	0		22.86	22.81	22.87		
1.4	1	3		22.82	22.79	22.86		
1.4	1	5		22.73	22.82	22.89		
1.4	3	0	16-QAM	22.60	22.57	22.58		
1.4	3	1		22.63	22.56	22.59		
1.4	3	3		22.65	22.57	22.60		
1.4	6	0		21.62	21.57	21.56		

LTE Band 7 Maximum Average Power [dBm]								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest		
20	1	0		22.66	22.67	22.62		
20	1	49		22.59	22.56	22.66		
20	1	99		22.63	22.55	22.66		
20	50	0	QPSK	21.62	21.66	21.62		
20	50	24		21.62	21.60	21.66		
20	50	50		21.65	21.70	21.69		
20	100	0		21.67	21.69	21.65		
20	1	0		21.92	21.76	21.79		
20	1	49		21.92	21.80	21.92		
20	1	99		21.92	21.89	21.89		
20	50	0	16-QAM	20.83	20.70	20.72		
20	50	24		20.82	20.65	20.84		
20	50	50		20.78	20.72	20.92		
20	100	0		20.91	20.72	21.04		
15	1	0		22.57	22.55	22.59		
15	1	37		22.57	22.56	22.65		
15	1	74		22.66	22.60	22.59		
15	36	0	QPSK	21.81	21.70	21.78		
15	36	20		21.82	21.65	21.85		
15	36	39		21.82	21.71	21.84		
15	75	0		21.84	21.68	21.90		
15	1	0		21.98	21.82	21.85		
15	1	37		21.99	21.82	21.98		
15	1	74		21.93	21.91	21.89		
15	36	0	16-QAM	20.89	20.74	20.84		
15	36	20		20.90	20.70	20.90		
15	36	39		20.88	20.76	20.92		
15	75	0		20.88	20.72	20.97		

	LTE Band 7 Maximum Average Power [dBm]									
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest				
10	1	0		22.58	22.57	22.64				
10	1	25		22.65	22.62	22.59				
10	1	49		22.58	22.65	22.57				
10	25	0	QPSK	21.88	21.63	21.86				
10	25	12		21.87	21.64	21.83				
10	25	25		21.87	21.65	21.87				
10	50	0		21.82	21.60	21.83				
10	1	0		22.04	21.82	21.95				
10	1	25		22.00	21.79	21.93				
10	1	49		22.00	21.90	21.93				
10	25	0	16-QAM	20.89	20.67	20.89				
10	25	12		20.88	20.74	20.86				
10	25	25		20.93	20.74	20.91				
10	50	0		20.90	20.71	20.87				
5	1	0		22.61	22.59	22.59				
5	1	12		22.61	22.58	22.64				
5	1	24		22.60	22.62	22.60				
5	12	0	QPSK	21.87	21.64	21.76				
5	12	7		21.87	21.64	21.76				
5	12	13		21.87	21.64	21.72				
5	25	0		21.84	21.65	21.78				
5	1	0		22.03	21.83	21.93				
5	1	12		22.03	21.83	21.92				
5	1	24		22.05	21.87	21.85				
5	12	0	16-QAM	20.90	20.63	20.76				
5	12	7		20.89	20.63	20.77				
5	12	13		20.88	20.63	20.72				
5	25	0		20.90	20.64	20.76				

LTE Band 12 Maximum Average Power [dBm]									
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest			
10	1	0		23.53	23.62	23.50			
10	1	25		23.58	23.57	23.60			
10	1	49		23.54	23.58	23.61			
10	25	0	QPSK	22.68	22.71	22.64			
10	25	12		22.66	22.64	22.55			
10	25	25		22.66	22.69	22.63			
10	50	0		22.75	22.76	22.73			
10	1	0		22.88	22.95	22.84			
10	1	25		23.00	22.97	22.94			
10	1	49		22.94	22.96	22.91			
10	25	0	16-QAM	21.80	21.78	21.62			
10	25	12		21.85	21.71	21.67			
10	25	25		21.74	21.77	21.68			
10	50	0		21.87	21.73	21.82			
5	1	0		23.48	23.61	23.58			
5	1	12		23.59	23.52	23.49			
5	1	24		23.61	23.60	23.59			
5	12	0	QPSK	22.51	22.54	22.52			
5	12	7		22.60	22.56	22.48			
5	12	13		22.69	22.55	22.58			
5	25	0		22.64	22.58	22.54			
5	1	0		22.81	22.83	22.95			
5	1	12		22.97	22.90	22.87			
5	1	24		22.93	22.97	22.94			
5	12	0	16-QAM	21.67	21.61	21.64			
5	12	7		21.72	21.64	21.57			
5	12	13		21.79	21.66	21.67			
5	25	0		21.73	21.61	21.65			

LTE Band 12 Maximum Average Power [dBm]								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest		
3	1	0		23.47	23.51	23.44		
3	1	8		23.53	23.56	23.55		
3	1	14		23.60	23.48	23.53		
3	8	0	QPSK	22.60	22.52	22.48		
3	8	4		22.56	22.52	22.55		
3	8	7		22.63	22.54	22.56		
3	15	0		22.56	22.52	22.56		
3	1	0		22.81	22.82	22.83		
3	1	8		22.90	22.86	22.93		
3	1	14		22.99	22.85	22.91		
3	8	0	16-QAM	21.70	21.63	21.54		
3	8	4		21.68	21.64	21.59		
3	8	7		21.76	21.65	21.61		
3	15	0		21.64	21.62	21.56		
1.4	1	0		23.50	23.55	23.58		
1.4	1	3		23.53	23.52	23.55		
1.4	1	5		23.55	23.55	23.57		
1.4	3	0	QPSK	23.47	23.54	23.55		
1.4	3	1		23.44	23.53	23.54		
1.4	3	3		23.52	23.54	23.53		
1.4	6	0		22.59	22.57	22.56		
1.4	1	0		22.88	22.93	22.98		
1.4	1	3		22.91	22.88	22.94		
1.4	1	5		22.91	22.91	22.95		
1.4	3	0	16-QAM	22.64	22.69	22.69		
1.4	3	1		22.63	22.68	22.69		
1.4	3	3		22.70	22.69	22.70		
1.4	6	0		21.76	21.66	21.71		

25

0

5

LTE Band 13 Maximum Average Power [dBm] BW [MHz] **RB Size RB Offset** Mod Middle Lowest Highest 10 0 23,49 10 1 25 23.33 10 49 23.39 10 25 0 QPSK 22.42 10 25 12 22.30 10 25 25 22.41 10 50 0 22.36 10 1 0 22.47 10 1 25 22.46 10 1 49 22.45 10 25 0 16-QAM 21.35 10 25 12 21.22 10 25 25 21.41 10 50 0 21.35 10 1 0 0.00 10 1 25 0.00 10 1 49 0.00 10 25 0.00 0 64-QAM 10 25 12 0.00 10 25 25 0.00 10 50 0 0.00 5 1 0 23.30 23.44 23.41 23.44 1 12 23.45 23.44 5 23.48 5 1 24 23.39 23.43 12 QPSK 22.33 22.40 22.41 5 0 12 7 5 22.36 22.40 22.36 12 5 13 22.33 22.46 22.46 5 25 0 22.44 22.37 22.36 5 1 0 22.67 22.92 22.78 1 12 5 22.85 22.81 22.81 5 1 24 22.86 22.77 22.88 5 12 0 16-QAM 21.37 21.47 21.44 7 5 12 21.37 21.41 21.42 12 5 13 21.44 21.45 21.49

21.45

21.39

21.44

LTE Band 17 Maximum Average Power [dBm]							
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	
10	1	0		23.62	23.65	23.51	
10	1	25		23.64	23.60	23.62	
10	1	49	Ī	23.64	23.57	23.64	
10	25	0	QPSK	22.60	22.69	22.61	
10	25	12		22.64	22.65	22.68	
10	25	25		22.59	22.58	22.67	
10	50	0		22.69	22.70	22.65	
10	1	0		22.97	22.97	22.94	
10	1	25		22.91	23.00	22.96	
10	1	49		22.95	22.98	22.97	
10	25	0	16-QAM	21.74	21.68	21.68	
10	25	12		21.76	21.70	21.73	
10	25	25		21.90	21.74	21.73	
10	50	0		21.83	21.82	21.87	
5	1	0		23.59	23.53	23.61	
5	1	12	QPSK	23.53	23.60	23.51	
5	1	24		23.57	23.61	23.63	
5	12	0		22.65	22.52	22.53	
5	12	7		22.58	22.60	22.49	
5	12	13		22.60	22.64	22.59	
5	25	0		22.58	22.64	22.55	
5	1	0		23.00	22.88	22.97	
5	1	12		22.88	22.96	22.87	
5	1	24		22.92	22.97	22.91	
5	12	0	16-QAM	21.73	21.66	21.64	
5	12	7		21.65	21.75	21.54	
5	12	13		21.70	21.79	21.60	
5	25	0		21.64	21.73	21.58	

	LTE Band 26 Maximum Average Power [dBm]							
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest		
15	1	0		23.43	23.51	23.46		
15	1	37		23.31	23.38	23.43		
15	1	74		23.43	23.44	23.39		
15	36	0	QPSK	22.52	22.53	22.50		
15	36	20		22.48	22.43	22.52		
15	36	39		22.49	22.41	22.51		
15	75	0		22.58	22.61	22.60		
15	1	0		22.70	22.84	22.77		
15	1	37		22.89	22.72	22.81		
15	1	74		22.73	22.83	22.83		
15	36	0	16-QAM	21.60	21.50	21.60		
15	36	20		21.64	21.55	21.58		
15	36	39		21.54	21.54	21.56		
15	75	0		21.75	21.67	21.69		
10	1	0		23.35	23.48	23.42		
10	1	25		23.42	23.44	23.47		
10	1	49		23.46	23.50	23.49		
10	25	0	QPSK	22.56	22.49	22.58		
10	25	12		22.59	22.49	22.49		
10	25	25		22.60	22.49	22.56		
10	50	0		22.59	22.50	22.61		
10	1	0		22.72	22.77	22.97		
10	1	25		22.80	22.77	22.79		
10	1	49		22.93	22.85	22.92		
10	25	0	16-QAM	21.57	21.53	21.65		
10	25	12		21.62	21.52	21.58		
10	25	25		21.66	21.54	21.66		
10	50	0		21.62	21.58	21.64		

LTE Band 26 Maximum Average Power [dBm]							
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	
5	1	0		23.29	23.39	23.39	
5	1	12		23.42	23.38	23.45	
5	1	24		23.50	23.43	23.41	
5	12	0	QPSK	22.37	22.36	22.41	
5	12	7		22.44	22.41	22.47	
5	12	13		22.47	22.41	22.52	
5	25	0		22.45	22.43	22.53	
5	1	0		22.66	22.68	22.76	
5	1	12		22.80	22.69	22.77	
5	1	24		22.86	22.72	22.88	
5	12	0	16-QAM	21.41	21.40	21.49	
5	12	7		21.49	21.45	21.51	
5	12	13		21.54	21.44	21.56	
5	25	0		21.47	21.45	21.56	
3	1	0		23.22	23.33	23.33	
3	1	8		23.32	23.40	23.47	
3	1	14		23.38	23.37	23.46	
3	8	0	QPSK	22.29	22.36	22.43	
3	8	4		22.34	22.41	22.46	
3	8	7		22.41	22.41	22.46	
3	15	0		22.35	22.40	22.49	
3	1	0		22.58	22.60	22.65	
3	1	8		22.70	22.68	22.80	
3	1	14		22.72	22.66	22.82	
3	8	0	16-QAM	21.35	21.40	21.51	
3	8	4		21.39	21.46	21.53	
3	8	7		21.51	21.48	21.55	
3	15	0		21.45	21.45	21.51	

LTE Band 26 Maximum Average Power [dBm]							
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	
1.4	1	0		23.28	23.39	23.49	
1.4	1	3		23.30	23.37	23.45	
1.4	1	5		23.33	23.40	23.48	
1.4	3	0	QPSK	23.32	23.35	23.44	
1.4	3	1		23.31	23.34	23.44	
1.4	3	3		23.31	23.35	23.45	
1.4	6	0		22.30	22.35	22.45	
1.4	1	0		22.59	22.70	22.78	
1.4	1	3	16-QAM	22.59	22.67	22.79	
1.4	1	5		22.64	22.71	22.82	
1.4	3	0		22.43	22.46	22.55	
1.4	3	1		22.42	22.45	22.56	
1.4	3	3		22.43	22.45	22.55	
1.4	6	0		21.41	21.46	21.53	

		LTE	Band 41 Ma	ximum Average Po	ower [dBm]	
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0		22.84	22.90	22.92
20	1	49		22.83	22.89	22.91
20	1	99		22.83	22.89	22.85
20	50	0	QPSK	21.85	21.87	21.91
20	50	24		21.82	21.85	21.90
20	50	50		21.82	21.85	21.90
20	100	0		21.89	21.87	21.93
20	1	0		21.85	21.93	22.04
20	1	49		21.88	21.94	22.02
20	1	99		21.89	21.95	21.99
20	50	0	16-QAM	20.96	20.91	20.98
20	50	24		20.93	20.89	20.97
20	50	50		20.91	20.89	20.92
20	100	0		21.00	20.87	20.92
15	1	0		22.81	22.84	22.85
15	1	37		22.81	22.85	22.81
15	1	74		22.77	22.81	22.76
15	36	0	QPSK	21.86	21.84	21.88
15	36	20		21.84	21.83	21.85
15	36	39		21.86	21.80	21.85
15	75	0		21.86	21.80	21.85
15	1	0		21.82	21.91	21.96
15	1	37		21.85	21.96	21.92
15	1	74	16-QAM	21.84	21.94	21.85
15	36	0		20.87	20.93	20.91
15	36	20		20.85	20.93	20.89
15	36	39		20.93	20.89	20.92
15	75	0		20.99	20.94	20.98

		LTE	Band 41 Ma	ximum Average Po	ower [dBm]	
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0		22.85	22.88	22.90
10	1	25		22.82	22.87	22.89
10	1	49		22.83	22.87	22.81
10	25	0	QPSK	21.89	21.87	21.88
10	25	12		21.90	21.89	21.92
10	25	25		21.86	21.92	21.93
10	50	0		21.87	21.85	21.88
10	1	0		21.86	21.95	22.00
10	1	25		21.89	21.93	22.00
10	1	49		21.90	21.94	21.94
10	25	0	16-QAM	21.00	20.96	21.02
10	25	12		21.02	20.98	21.02
10	25	25		21.02	21.01	21.02
10	50	0		20.99	20.89	20.92
5	1	0		22.76	22.77	22.80
5	1	12		22.76	22.77	22.77
5	1	24		22.79	22.81	22.73
5	12	0	QPSK	21.84	21.80	21.86
5	12	7		21.84	21.80	21.85
5	12	13		21.85	21.82	21.85
5	25	0		21.87	21.82	21.85
5	1	0		21.83	21.83	21.88
5	1	12		21.85	21.84	21.88
5	1	24		21.90	21.89	21.86
5	12	0	16-QAM	20.92	20.82	20.89
5	12	7		20.91	20.88	20.89
5	12	13		20.92	20.90	20.90
5	25	0		20.98	20.94	20.94

		LTE	Band 66 Ma	ximum Average Po	ower [dBm]	
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0		23.35	23.63	23.62
20	1	49		23.17	23.18	23.30
20	1	99		23.28	23.21	23.53
20	50	0	QPSK	22.42	22.52	22.47
20	50	24		22.39	22.27	22.35
20	50	50		22.37	22.21	22.38
20	100	0		22.55	22.64	22.63
20	1	0		22.43	22.53	22.98
20	1	49		22.55	22.50	22.59
20	1	99		22.56	22.88	22.95
20	50	0	16-QAM	21.28	21.19	21.52
20	50	24		21.35	21.18	21.30
20	50	50		21.34	21.37	21.37
20	100	0		21.54	21.47	21.66
15	1	0		23.18	23.18	23.58
15	1	37		23.38	23.28	23.29
15	1	74		23.36	23.49	23.59
15	36	0	QPSK	22.28	22.18	22.45
15	36	20		22.37	22.28	22.35
15	36	39		22.31	22.39	22.46
15	75	0		22.47	22.39	22.54
15	1	0		22.41	22.42	22.91
15	1	37		22.58	22.55	22.58
15	1	74	16-QAM	22.57	22.74	22.96
15	36	0		21.19	21.07	21.38
15	36	20		21.29	21.17	21.27
15	36	39		21.23	21.28	21.35
15	75	0		21.43	21.38	21.48

		LTE	Band 66 Ma	ximum Average Po	ower [dBm]	
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0		23.15	23.21	23.39
10	1	25		23.26	23.25	23.34
10	1	49		23.38	23.41	23.58
10	25	0	QPSK	22.21	22.13	22.29
10	25	12		22.22	22.12	22.37
10	25	25		22.29	22.24	22.56
10	50	0		22.34	22.31	22.53
10	1	0		22.46	22.58	22.75
10	1	25		22.55	22.61	22.71
10	1	49		22.68	22.74	23.00
10	25	0	16-QAM	21.12	21.07	21.23
10	25	12		21.12	21.04	21.29
10	25	25		21.19	21.20	21.44
10	50	0		21.29	21.30	21.46
5	1	0		23.08	23.18	23.36
5	1	12		23.16	23.18	23.52
5	1	24		23.22	23.23	23.53
5	12	0	QPSK	22.02	22.05	22.34
5	12	7		22.06	22.06	22.42
5	12	13		22.07	22.05	22.53
5	25	0		22.18	22.20	22.59
5	1	0		22.38	22.44	22.70
5	1	12		22.46	22.45	22.89
5	1	24		22.50	22.51	22.97
5	12	0	16-QAM	20.86	20.92	21.20
5	12	7		20.90	20.97	21.23
5	12	13		20.96	20.94	21.34
5	25	0		21.11	21.13	21.44

		LTE	Band 66 Ma	ximum Average Po	ower [dBm]	
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0		23.06	23.15	23.48
3	1	8		23.11	23.21	23.59
3	1	14		23.15	23.17	23.57
3	8	0	QPSK	22.03	22.04	22.45
3	8	4		21.96	22.09	22.52
3	8	7		22.02	22.11	22.56
3	15	0		22.05	22.20	22.61
3	1	0		22.34	22.50	22.83
3	1	8		22.40	22.55	22.94
3	1	14		22.43	22.50	22.90
3	8	0	16-QAM	20.89	20.98	21.33
3	8	4		20.87	20.99	21.39
3	8	7		20.93	21.01	21.47
3	15	0		20.91	21.04	21.45
1.4	1	0		23.08	23.10	23.56
1.4	1	3		23.08	23.11	23.53
1.4	1	5		23.08	23.15	23.59
1.4	3	0	QPSK	22.98	23.02	23.55
1.4	3	1		22.93	23.01	23.57
1.4	3	3		22.99	23.07	23.50
1.4	6	0		21.95	22.05	22.47
1.4	1	0		22.32	22.45	22.94
1.4	1	3		22.35	22.51	22.93
1.4	1	5		22.37	22.52	22.92
1.4	3	0	16-QAM	21.92	22.04	22.54
1.4	3	1		21.90	22.03	22.54
1.4	3	3		21.97	22.13	22.51
1.4	6	0		20.87	20.99	21.41

#### **Appendix B. Test Results of ERP/EIRP and Radiated Test**

### **ERP/EIRP**

	LTE Band 2 / 1.4MHz (Average) (GT - LC = 2.99 dB)											
Channel	Mode	R	В	Cond	ucted	EIRP						
Chamilei	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)					
Lowest		1	0	23.74	0.2366	26.73	0.4710					
Middle	QPSK	1	0	23.76	0.2377	26.75	0.4732					
Highest		1	0	23.50	0.2239	26.49	0.4457					
Lowest		1	0	22.93	0.1963	25.92	0.3908					
Middle	16QAM	1	0	23.00	0.1995	25.99	0.3972					
Highest		1	0	22.83	0.1919	25.82	0.3819					
Limit	EIRP <	2W		Re	sult	PASS						

	LTE Band 2 / 3MHz (Average) (GT - LC = 2.99 dB)											
Channel	Mode	RB		Cond	ucted	EIRP						
Chainei	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)					
Lowest		1	8	23.69	0.2339	26.68	0.4656					
Middle	QPSK	1	8	23.76	0.2377	26.75	0.4732					
Highest		1	8	23.53	0.2254	26.52	0.4487					
Lowest		1	8	22.99	0.1991	25.98	0.3963					
Middle	16QAM	1	8	22.96	0.1977	25.95	0.3936					
Highest		1	8	22.77	0.1892	25.76	0.3767					
Limit	EIRP <	2W	•	Result		PASS						

	LTE Band 2 / 5MHz (Average) (GT - LC = 2.99 dB)											
Channel	Mode	R	В	Cond	Conducted		RP					
Chamilei	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)					
Lowest		1	0	23.76	0.2377	26.75	0.4732					
Middle	QPSK	1	0	23.76	0.2377	26.75	0.4732					
Highest		1	0	23.47	0.2223	26.46	0.4426					
Lowest		1	0	22.98	0.1986	25.97	0.3954					
Middle	16QAM	1	0	22.96	0.1977	25.95	0.3936					
Highest		1	0	22.74	0.1879	25.73	0.3741					
Limit	EIRP <	2W		Re	sult	PASS						

	LTE Band 2 / 10MHz (Average) (GT - LC = 2.99 dB)											
Channel	Mode	R	В	Cond	ucted	EIRP						
Chainei	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)					
Lowest		1	49	23.53	0.2254	26.52	0.4487					
Middle	QPSK	1	49	23.76	0.2377	26.75	0.4732					
Highest		1	49	23.61	0.2296	26.60	0.4571					
Lowest		1	0	22.95	0.1972	25.94	0.3926					
Middle	16QAM	1	0	22.99	0.1991	25.98	0.3963					
Highest		1	0	22.71	0.1866	25.70	0.3715					
Limit	EIRP <	EIRP < 2W			Result		PASS					

	LTE Band 2 / 15MHz (Average) (GT - LC = 2.99 dB)											
Channel	Mode	RB		Cond	Conducted		RP					
Chamilei	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)					
Lowest		1	0	23.76	0.2377	26.75	0.4732					
Middle	QPSK	1	0	23.69	0.2339	26.68	0.4656					
Highest		1	0	23.51	0.2244	26.50	0.4467					
Lowest		1	74	22.64	0.1837	25.63	0.3656					
Middle	16QAM	1	74	22.99	0.1991	25.98	0.3963					
Highest		1	74	22.76	0.1888	25.75	0.3758					
Limit	EIRP <	EIRP < 2W			sult	PASS						

	LTE Band 2 / 20MHz (Average) (GT - LC = 2.99 dB)											
Channel	Mode	RB		Conducted		EIRP						
Chamilei	Wiode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)					
Lowest		1	0	23.72	0.2355	26.71	0.4688					
Middle	QPSK	1	0	23.75	0.2371	26.74	0.4721					
Highest		1	0	23.77	0.2382	26.76	0.4742					
Lowest		1	0	22.96	0.1977	25.95	0.3936					
Middle	16QAM	1	0	22.99	0.1991	25.98	0.3963					
Highest		1	0	22.86	0.1932	25.85	0.3846					
Limit	EIRP <	2W		Result		PASS						

	LTE Band 4 / 1.4MHz (Average) (GT - LC = 2.92 dB)											
Channel	Mode	R	В	Cond	ucted	EIRP						
Chainei	Wiode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)					
Lowest		3	0	23.21	0.2094	26.13	0.4102					
Middle	QPSK	3	0	23.31	0.2143	26.23	0.4198					
Highest		3	0	23.69	0.2339	26.61	0.4581					
Lowest		1	5	22.51	0.1782	25.43	0.3491					
Middle	16QAM	1	5	22.57	0.1807	25.49	0.3540					
Highest		1	5	22.96	0.1977	25.88	0.3873					
Limit	EIRP <	1W	-	Result		PASS						

	LTE Band 4 / 3MHz (Average) (GT - LC = 2.92 dB)										
Channel	Mode	RB		Cond	ucted	EIRP					
Channel	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	0	23.25	0.2113	26.17	0.4140				
Middle	QPSK	1	0	23.37	0.2173	26.29	0.4256				
Highest		1	0	23.67	0.2328	26.59	0.4560				
Lowest		1	14	22.63	0.1832	25.55	0.3589				
Middle	16QAM	1	14	22.50	0.1778	25.42	0.3483				
Highest		1	14	22.97	0.1982	25.89	0.3882				
Limit	EIRP <	1W		Result		PASS					

	LTE Band 4 / 5MHz (Average) (GT - LC = 2.92 dB)										
Channel	Mode	RB		Conducted		EIRP					
Chainei		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	0	23.28	0.2128	26.20	0.4169				
Middle	QPSK	1	0	23.42	0.2198	26.34	0.4305				
Highest		1	0	23.67	0.2328	26.59	0.4560				
Lowest		1	24	22.64	0.1837	25.56	0.3597				
Middle	16QAM	1	24	22.52	0.1786	25.44	0.3499				
Highest		1	24	22.97	0.1982	25.89	0.3882				
Limit	EIRP <	1W		Result		PASS					

	LTE Band 4 / 10MHz (Average) (GT - LC = 2.92 dB)										
Channel	Mode	RB		Conducted		EIRP					
Channel	Wiode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	25	23.50	0.2239	26.42	0.4385				
Middle	QPSK	1	25	23.39	0.2183	26.31	0.4276				
Highest		1	25	23.68	0.2333	26.60	0.4571				
Lowest		1	49	22.83	0.1919	25.75	0.3758				
Middle	16QAM	1	49	22.55	0.1799	25.47	0.3524				
Highest		1	49	22.90	0.1950	25.82	0.3819				
Limit	EIRP <	EIRP < 1W			sult	PASS					

	LTE Band 4 / 15MHz (Average) (GT - LC = 2.92 dB)										
Channel	Mode	R	В	Cond	ucted	EII	RP				
Channel	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	74	23.54	0.2259	26.46	0.4426				
Middle	QPSK	1	74	23.25	0.2113	26.17	0.4140				
Highest		1	74	23.64	0.2312	26.56	0.4529				
Lowest		1	74	22.84	0.1923	25.76	0.3767				
Middle	16QAM	1	74	22.46	0.1762	25.38	0.3451				
Highest		1	74	22.90	0.1950	25.82	0.3819				
Limit	EIRP < 1W			Re	sult	PASS					

	LTE Band 4 / 20MHz (Average) (GT - LC = 2.92 dB)										
Channel	Mode	RB		Cond	ucted	EIRP					
Channel	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	0	23.43	0.2203	26.35	0.4315				
Middle	QPSK	1	0	23.70	0.2344	26.62	0.4592				
Highest		1	0	23.47	0.2223	26.39	0.4355				
Lowest		1	99	22.73	0.1875	25.65	0.3673				
Middle	16QAM	1	99	22.48	0.1770	25.40	0.3467				
Highest		1	99	22.98	0.1986	25.90	0.3890				
Limit	EIRP <	EIRP < 1W			Result		PASS				

	LTE Band 5 / 1.4MHz (Average) (GT - LC = -1.59 dB)										
Channel	Mode	RB		Cond	lucted	ERP					
Chainei	Wiode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest		1	5	23.43	0.2203	19.69	0.0931				
Middle	QPSK	1	5	23.45	0.2213	19.71	0.0935				
Highest		1	5	23.51	0.2244	19.77	0.0948				
Lowest		1	5	22.73	0.1875	18.99	0.0793				
Middle	16QAM	1	5	22.82	0.1914	19.08	0.0809				
Highest		1	5	22.89	0.1945	19.15	0.0822				
Limit	ERP < 7W			Result		PASS					

	LTE Band 5 / 3MHz (Average) (GT - LC = -1.59 dB)										
Channel	Mode	RB		Cond	ucted	ERP					
Channel	Wiode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest		1	8	23.35	0.2163	19.61	0.0914				
Middle	QPSK	1	8	23.47	0.2223	19.73	0.0940				
Highest		1	8	23.50	0.2239	19.76	0.0946				
Lowest		1	8	22.70	0.1862	18.96	0.0787				
Middle	16QAM	1	8	22.81	0.1910	19.07	0.0807				
Highest		1	8	22.77	0.1892	19.03	0.0800				
Limit	ERP < 7W			Re	sult	PASS					

	LTE Band 5 / 5MHz (Average) (GT - LC = -1.59 dB)										
Channel	Mada	RB		Cond	ucted	ERP					
Chamilei	Mode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest		1	0	23.54	0.2259	19.80	0.0955				
Middle	QPSK	1	0	23.47	0.2223	19.73	0.0940				
Highest		1	0	23.43	0.2203	19.69	0.0931				
Lowest		1	0	22.94	0.1968	19.20	0.0832				
Middle	16QAM	1	0	22.78	0.1897	19.04	0.0802				
Highest		1	0	22.75	0.1884	19.01	0.0796				
Limit	ERP < 7W			Result		PASS					

	LTE Band E (40MUz (Average) (CT LC 4 E0 dB)										
LTE Band 5 / 10MHz (Average) (GT - LC = -1.59 dB)											
Channel	Mode	R	B	Cond	ucted	EF	₹P				
Channel	Charmer Mode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest		1	0	23.58	0.2280	19.84	0.0964				
Middle	QPSK	1	0	23.47	0.2223	19.73	0.0940				
Highest		1	0	23.61	0.2296	19.87	0.0971				
Lowest		1	0	23.00	0.1995	19.26	0.0843				
Middle	16QAM	1	0	22.84	0.1923	19.10	0.0813				
Highest	]	1	0	23.00	0.1995	19.26	0.0843				
Limit	ERP < 7W			Re	sult	PASS					

	LTE Band 7 / 5MHz (Average) (GT - LC = 2.97 dB)										
Channel	Mode	RB		Conducted		EIRP					
Chamilei	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	12	22.61	0.1824	25.58	0.3614				
Middle	QPSK	1	12	22.58	0.1811	25.55	0.3589				
Highest		1	12	22.64	0.1837	25.61	0.3639				
Lowest		1	24	22.05	0.1603	25.02	0.3177				
Middle	16QAM	1	24	21.87	0.1538	24.84	0.3048				
Highest		1	24	21.85	0.1531	24.82	0.3034				
Limit	EIRP <	: 2W		Result		PASS					

	LTE Band 7 / 10MHz (Average) (GT - LC = 2.97 dB)										
Channel	Mode	R	В	Cond	ucted	EII	RP				
Channel	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	25	22.65	0.1841	25.62	0.3648				
Middle	QPSK	1	25	22.62	0.1828	25.59	0.3622				
Highest		1	25	22.59	0.1816	25.56	0.3597				
Lowest		1	0	22.04	0.1600	25.01	0.3170				
Middle	16QAM	1	0	21.82	0.1521	24.79	0.3013				
Highest		1	0	21.95	0.1567	24.92	0.3105				
Limit	EIRP < 2W			Re	sult	PASS					

	LTE Band 7 / 15MHz (Average) (GT - LC = 2.97 dB)										
Channel	Mode	RB		Cond	ucted	EIRP					
Channel	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	74	22.66	0.1845	25.63	0.3656				
Middle	QPSK	1	74	22.60	0.1820	25.57	0.3606				
Highest		1	74	22.59	0.1816	25.56	0.3597				
Lowest		1	37	21.99	0.1581	24.96	0.3133				
Middle	16QAM	1	37	21.82	0.1521	24.79	0.3013				
Highest		1	37	21.98	0.1578	24.95	0.3126				
Limit	EIRP <	EIRP < 2W			sult	PASS					

	LTE Band 7 / 20MHz (Average) (GT - LC = 2.97 dB)										
Channel	Mode	RB		Conducted		EIRP					
Chainei	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	0	22.66	0.1845	25.63	0.3656				
Middle	QPSK	1	0	22.67	0.1849	25.64	0.3664				
Highest		1	0	22.62	0.1828	25.59	0.3622				
Lowest		1	0	21.92	0.1556	24.89	0.3083				
Middle	16QAM	1	0	21.76	0.1500	24.73	0.2972				
Highest		1	0	21.79	0.1510	24.76	0.2992				
Limit	EIRP <	2W		Result		PASS					

	LTE Band 12 / 1.4MHz (Average) (GT - LC = -1.53 dB)										
Channel	Mada	R	В	Cond	ucted	EF	₹P				
Chainei	Mode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest		1	0	23.50	0.2239	19.82	0.0959				
Middle	QPSK	1	0	23.55	0.2265	19.87	0.0971				
Highest		1	0	23.58	0.2280	19.90	0.0977				
Lowest		1	0	22.88	0.1941	19.20	0.0832				
Middle	16QAM	1	0	22.93	0.1963	19.25	0.0841				
Highest		1	0	22.98	0.1986	19.30	0.0851				
Limit	ERP <	ERP < 3W			Result		PASS				

	LTE Band 12 / 3MHz (Average) (GT - LC = -1.53 dB)										
Channel	Mode	R	В	Cond	ucted	ERP					
	Wiode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest		1	14	23.60	0.2291	19.92	0.0982				
Middle	QPSK	1	14	23.48	0.2228	19.80	0.0955				
Highest		1	14	23.53	0.2254	19.85	0.0966				
Lowest		1	14	22.99	0.1991	19.31	0.0853				
Middle	16QAM	1	14	22.85	0.1928	19.17	0.0826				
Highest		1	14	22.91	0.1954	19.23	0.0838				
Limit	ERP <	ERP < 3W			sult	PASS					

	LTE Band 12 / 5MHz (Average) (GT - LC = -1.53 dB)										
Channel	Mode	RB		Cond	lucted	ERP					
Channel		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest		1	0	23.48	0.2228	19.80	0.0955				
Middle	QPSK	1	0	23.61	0.2296	19.93	0.0984				
Highest		1	0	23.58	0.2280	19.90	0.0977				
Lowest		1	12	22.97	0.1982	19.29	0.0849				
Middle	16QAM	1	12	22.90	0.1950	19.22	0.0836				
Highest		1	12	22.87	0.1936	19.19	0.0830				
Limit	ERP <	ERP < 3W			Result		PASS				

	LTE Band 12 / 10MHz (Average) (GT - LC = -1.53 dB)										
01	Mode	R	В	Cond	lucted	ERP					
Channel	nnei Wode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest		1	0	23.53	0.2254	19.85	0.0966				
Middle	QPSK	1	0	23.62	0.2301	19.94	0.0986				
Highest		1	0	23.50	0.2239	19.82	0.0959				
Lowest		1	25	23.00	0.1995	19.32	0.0855				
Middle	16QAM	1	25	22.97	0.1982	19.29	0.0849				
Highest		1	25	22.94	0.1968	19.26	0.0843				
Limit	ERP < 3W			Re	sult	PA	PASS				

	LTE Band 13 / 5MHz (Average) (GT - LC = -2.41 dB)										
Channel	Mode	RB		Cond	ucted	ERP					
Chainei	Wiode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest		1	24	23.39	0.2183	18.83	0.0764				
Middle	QPSK	1	24	23.43	0.2203	18.87	0.0771				
Highest		1	24	23.48	0.2228	18.92	0.0780				
Lowest		1	0	22.67	0.1849	18.11	0.0647				
Middle	16QAM	1	0	22.92	0.1959	18.36	0.0685				
Highest		1	0	22.78	0.1897	18.22	0.0664				
Limit	ERP <	ERP < 3W			sult	PASS					

	LTE Band 13 / 10MHz (Average) (GT - LC = -2.41 dB)										
Channel	Mode	R	В	Cond	ucted	EF	RP				
Chamilei	Wiode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest		1	-	-	-	-	-				
Middle	QPSK	1	0	23.49	0.2234	18.93	0.0782				
Highest		-	-	-	-	-	-				
Lowest		-	-	-	-	-	-				
Middle	16QAM	1	0	22.47	0.1766	17.91	0.0618				
Highest		-	-	-	-	-	-				
Limit	ERP <	3W		Re	sult	PASS					

	LTE Band 17 / 5MHz (Average) (GT - LC = -1.45 dB)										
Channel	Mode	R	В	Conducted		ERP					
Chaine	Wode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest		1	24	23.57	0.2275	19.97	0.0993				
Middle	QPSK	1	24	23.61	0.2296	20.01	0.1002				
Highest		1	24	23.63	0.2307	20.03	0.1007				
Lowest		1	0	23.00	0.1995	19.40	0.0871				
Middle	16QAM	1	0	22.88	0.1941	19.28	0.0847				
Highest		1	0	22.97	0.1982	19.37	0.0865				
Limit	ERP <	3W	-	Result		PASS					

	LTE Band 17 / 10MHz (Average) (GT - LC = -1.45 dB)										
Channel	Mode	R	В	Cond	ucted	EF	₹P				
Channel	Wode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest		1	0	23.62	0.2301	20.02	0.1005				
Middle	QPSK	1	0	23.65	0.2317	20.05	0.1012				
Highest		1	0	23.51	0.2244	19.91	0.0979				
Lowest		1	25	22.91	0.1954	19.31	0.0853				
Middle	16QAM	1	25	23.00	0.1995	19.40	0.0871				
Highest		1	25	22.96	0.1977	19.36	0.0863				
Limit	ERP <	ERP < 3W			sult	PASS					

	LTE Band 41 / 5MHz (Average) (GT - LC = 2.91 dB)										
Channel	Mada	R	В	Cond	ucted	EIRP					
Chamilei	Mode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	24	22.79	0.1901	25.70	0.3715				
Middle	QPSK	1	24	22.81	0.1910	25.72	0.3733				
Highest		1	24	22.73	0.1875	25.64	0.3664				
Lowest		1	24	21.90	0.1549	24.81	0.3027				
Middle	16QAM	1	24	21.89	0.1545	24.80	0.3020				
Highest		1	24	21.86	0.1535	24.77	0.2999				
Limit	EIRP <	2W	-	Result		PASS					

	LTE Band 41 / 10MHz (Average) (GT - LC = 2.91 dB)										
Channel	Mode	R	В	Cond	ucted	EII	RP				
Channel	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	0	22.85	0.1928	25.76	0.3767				
Middle	QPSK	1	0	22.88	0.1941	25.79	0.3793				
Highest		1	0	22.90	0.1950	25.81	0.3811				
Lowest		1	0	21.86	0.1535	24.77	0.2999				
Middle	16QAM	1	0	21.95	0.1567	24.86	0.3062				
Highest		1	0	22.00	0.1585	24.91	0.3097				
Limit	EIRP < 2W			Re	sult	PA	PASS				

	LTE Band 41 / 15MHz (Average) (GT - LC = 2.91 dB)										
Channel	Mode	RB		Cond	ucted	EIRP					
Chamilei	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	0	22.81	0.1910	25.72	0.3733				
Middle	QPSK	1	0	22.84	0.1923	25.75	0.3758				
Highest		1	0	22.85	0.1928	25.76	0.3767				
Lowest		1	0	21.82	0.1521	24.73	0.2972				
Middle	16QAM	1	0	21.91	0.1552	24.82	0.3034				
Highest		1	0	21.96	0.1570	24.87	0.3069				
Limit	EIRP <	EIRP < 2W			sult	PASS					

	LTE Band 41 / 20MHz (Average) (GT - LC = 2.91 dB)										
Channel	Mode	RB		Cond	ucted	EIRP					
Chainei	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	0	22.84	0.1923	25.75	0.3758				
Middle	QPSK	1	0	22.90	0.1950	25.81	0.3811				
Highest		1	0	22.92	0.1959	25.83	0.3828				
Lowest		1	0	21.85	0.1531	24.76	0.2992				
Middle	16QAM	1	0	21.93	0.1560	24.84	0.3048				
Highest		1	0	22.04	0.1600	24.95	0.3126				
Limit	EIRP <	2W		Result		PASS					

	LTE Band 26 / 1.4MHz (Average) (GT - LC = -1.56 dB)										
Channel	Mada	R	В	Cond	ucted	EF	₹P				
Chamilei	Mode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest		1	0	23.28	0.2128	19.57	0.0906				
Middle	QPSK	1	0	23.39	0.2183	19.68	0.0929				
Highest		1	0	23.49	0.2234	19.78	0.0951				
Lowest		1	5	22.64	0.1837	18.93	0.0782				
Middle	16QAM	1	5	22.71	0.1866	19.00	0.0794				
Highest		1	5	22.82	0.1914	19.11	0.0815				
Limit	ERP < 7W			Re	sult	PASS					

	LTE Band 26 / 3MHz (Average) (GT - LC = -1.56 dB)											
Channel	Mode	R	В	Cond	ucted	EF	₹P					
	Wiode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)					
Lowest		1	8	23.32	0.2148	19.61	0.0914					
Middle	QPSK	1	8	23.40	0.2188	19.69	0.0931					
Highest		1	8	23.47	0.2223	19.76	0.0946					
Lowest		1	14	22.72	0.1871	19.01	0.0796					
Middle	16QAM	1	14	22.66	0.1845	18.95	0.0785					
Highest		1	14	22.82	0.1914	19.11	0.0815					
Limit	ERP <	ERP < 7W			sult	PASS						

	LTE Band 26 / 5MHz (Average) (GT - LC = -1.56 dB)											
Channel	Mode	RB		Cond	ucted	ERP						
Channel	Wode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)					
Lowest		1	24	23.50	0.2239	19.79	0.0953					
Middle	QPSK	1	24	23.43	0.2203	19.72	0.0938					
Highest		1	24	23.41	0.2193	19.70	0.0933					
Lowest		1	24	22.86	0.1932	19.15	0.0822					
Middle	16QAM	1	24	22.72	0.1871	19.01	0.0796					
Highest		1	24	22.88	0.1941	19.17	0.0826					
Limit	ERP < 7W			Re	sult	PASS						

	LTE Band 26 / 10MHz (Average) (GT - LC = -1.56 dB)										
Channel	Mode	R	В	Cond	ucted	ERP					
Chainlei	Wode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest		1	49	23.46	0.2218	19.75	0.0944				
Middle	QPSK	1	49	23.50	0.2239	19.79	0.0953				
Highest		1	49	23.49	0.2234	19.78	0.0951				
Lowest		1	0	22.72	0.1871	19.01	0.0796				
Middle	16QAM	1	0	22.77	0.1892	19.06	0.0805				
Highest		1	0	22.97	0.1982	19.26	0.0843				
Limit	ERP < 7W			Result		PASS					

	LTE Band 26 / 15MHz (Average) (GT - LC = -1.56 dB)										
Channel	Mode	R	В	Cond	ucted	EF	₹P				
Chamilei	Wiode	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest		1	0	23.43	0.2203	19.72	0.0938				
Middle	QPSK	1	0	23.51	0.2244	19.80	0.0955				
Highest		1	0	23.46	0.2218	19.75	0.0944				
Lowest		1	37	22.89	0.1945	19.18	0.0828				
Middle	16QAM	1	37	22.72	0.1871	19.01	0.0796				
Highest		1	37	22.81	0.1910	19.10	0.0813				
Limit	ERP <	ERP < 7W			sult	PASS					

	LTE Band 66 / 1.4MHz (Average) (GT - LC = 2.97 dB)										
Channel	Mode	R	В	Cond	ucted	EII	RP				
Chamilei	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	5	23.08	0.2032	26.05	0.4027				
Middle	QPSK	1	5	23.15	0.2065	26.12	0.4093				
Highest		1	5	23.59	0.2286	26.56	0.4529				
Lowest		1	0	22.32	0.1706	25.29	0.3381				
Middle	16QAM	1	0	22.45	0.1758	25.42	0.3483				
Highest		1	0	22.94	0.1968	25.91	0.3899				
Limit	EIRP <	EIRP < 1W			sult	PASS					

	LTE Band 66 / 3MHz (Average) (GT - LC = 2.97 dB)										
Channel	Mode	R	В	Cond	ucted	EII	RP				
	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	8	23.11	0.2046	26.08	0.4055				
Middle	QPSK	1	8	23.21	0.2094	26.18	0.4150				
Highest		1	8	23.59	0.2286	26.56	0.4529				
Lowest		1	8	22.40	0.1738	25.37	0.3443				
Middle	16QAM	1	8	22.55	0.1799	25.52	0.3565				
Highest	]	1	8	22.94	0.1968	25.91	0.3899				
Limit	EIRP < 1W			Re	sult	PASS					

	LTE Band 66 / 5MHz (Average) (GT - LC = 2.97 dB)										
Channel	Mode	RB		Conducted		EIRP					
Chainei	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	24	23.22	0.2099	26.19	0.4159				
Middle	QPSK	1	24	23.23	0.2104	26.20	0.4169				
Highest		1	24	23.53	0.2254	26.50	0.4467				
Lowest		1	24	22.50	0.1778	25.47	0.3524				
Middle	16QAM	1	24	22.51	0.1782	25.48	0.3532				
Highest		1	24	22.97	0.1982	25.94	0.3926				
Limit	EIRP <	EIRP < 1W			Result		PASS				

	LTE Band 66 / 10MHz (Average) (GT - LC = 2.97 dB)										
Channel	Mode	R	В	Cond	ucted	EII	RP				
Chamilei	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	49	23.38	0.2178	26.35	0.4315				
Middle	QPSK	1	49	23.41	0.2193	26.38	0.4345				
Highest		1	49	23.58	0.2280	26.55	0.4519				
Lowest		1	49	22.68	0.1854	25.65	0.3673				
Middle	16QAM	1	49	22.74	0.1879	25.71	0.3724				
Highest		1	49	23.00	0.1995	25.97	0.3954				
Limit	EIRP <	EIRP < 1W			Result		PASS				

	LTE Band 66 / 15MHz (Average) (GT - LC = 2.97 dB)										
Channel	Mode	R	В	Cond	ucted	EII	RP				
Chamilei	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	74	23.36	0.2168	26.33	0.4295				
Middle	QPSK	1	74	23.49	0.2234	26.46	0.4426				
Highest		1	74	23.59	0.2286	26.56	0.4529				
Lowest		1	74	22.57	0.1807	25.54	0.3581				
Middle	16QAM	1	74	22.74	0.1879	25.71	0.3724				
Highest		1	74	22.96	0.1977	25.93	0.3917				
Limit	EIRP < 1W			Re	sult	PASS					

	LTE Band 66 / 20MHz (Average) (GT - LC = 2.97 dB)										
Channel	Mode	RB		Cond	ucted	EII	RP				
Channel	Wode	Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)				
Lowest		1	0	23.35	0.2163	26.32	0.4285				
Middle	QPSK	1	0	23.63	0.2307	26.60	0.4571				
Highest		1	0	23.62	0.2301	26.59	0.4560				
Lowest		1	0	22.43	0.1750	25.40	0.3467				
Middle	16QAM	1	0	22.53	0.1791	25.50	0.3548				
Highest		1	0	22.98	0.1986	25.95	0.3936				
Limit	EIRP <	1W		Result		PASS					

# **Radiated Spurious Emission**

### LTE Band 2

			L	TE Band 2 /	20MHz / QP	SK			
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)
	3700	-58.11	-13	-45.11	-74.42	-69.9	0.73	12.52	Н
	5550	-55.03	-13	-42.03	-76.4	-67.2	1.00	13.17	Н
	7400	-53.00	-13	-40.00	-77.54	-62.4	1.18	10.58	Н
									Н
									Н
									Н
Lowest									Н
Lowest	3700	-56.71	-13	-43.71	-74.66	-68.5	0.73	12.52	V
	5550	-54.13	-13	-41.13	-75.67	-66.3	1.00	13.17	V
	7400	-52.30	-13	-39.30	-76.94	-61.7	1.18	10.58	V
									V
									V
									V
									V

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	3740	-57.30	-13	-44.30	-74.17	-69.1	0.70	12.50	Н
								+	
	5610	-55.15	-13	-42.15	-76.26	-67.3	0.98	13.13	Н
	7480	-51.94	-13	-38.94	-76.45	-61.2	1.18	10.44	Н
									Н
									Н
									Н
									Н
Middle	3740	-56.00	-13	-43.00	-74.11	-67.8	0.70	12.50	V
	5610	-54.95	-13	-41.95	-76.18	-67.1	0.98	13.13	V
	7480	-51.24	-13	-38.24	-76.12	-60.5	1.18	10.44	V
									V
									V
									V
									V
	3780	-57.69	-13	-44.69	-74.42	-69.5	0.68	12.49	Н
	5670	-54.39	-13	-41.39	-75.85	-66.5	0.99	13.10	Н
	7560	-52.11	-13	-39.11	-76.67	-61.5	1.18	10.57	Н
									Н
									Н
									Н
									Н
Highest	3780	-56.39	-13	-43.39	-74.47	-68.2	0.68	12.49	V
	5670	-53.79	-13	-40.79	-75.85	-65.9	0.99	13.10	V
	7560	-52.71	-13	-39.71	-76.89	-62.1	1.18	10.57	V
									V
									V
									V
									V

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	LTE Band 4 / 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)			
	3420	-56.51	-13	-43.51	-73.57	-68.1	0.77	12.36	Н			
	5136	-50.70	-13	-37.70	-71.21	-62.2	0.97	12.47	Н			
	6846	-51.38	-13	-38.38	-74.9	-62.2	0.82	11.64	Н			
	10270	-41.01	-13	-28.01	-71.92	-51.2	1.39	11.59	Н			
									Н			
									Н			
Lowest									Н			
Lowest	3420	-57.51	-13	-44.51	-74.17	-69.1	0.77	12.36	V			
	5136	-53.20	-13	-40.20	-73.79	-64.7	0.97	12.47	V			
	6846	-50.28	-13	-37.28	-73.85	-61.1	0.82	11.64	V			
	10270	-41.81	-13	-28.81	-72.05	-52	1.39	11.59	V			
									V			
									V			
									V			
	3450	-57.13	-13	-44.13	-74.25	-68.8	0.78	12.45	Н			
	5172	-48.74	-13	-35.74	-69.36	-60.3	0.98	12.54	Н			
	6894	-50.59	-13	-37.59	-73.99	-61.2	0.93	11.53	Н			
									Н			
									Н			
									Н			
Middle									Н			
ivildule	3450	-55.93	-13	-42.93	-73.09	-67.6	0.78	12.45	V			
	5172	-50.74	-13	-37.74	-71.59	-62.3	0.98	12.54	V			
	6894	-49.89	-13	-36.89	-73.31	-60.5	0.93	11.53	V			
									V			
									V			
									V			
									V			

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	3474	-55.96	-13	-42.96	-72.75	-67.7	0.78	12.52	Н
	5208	-50.58	-13	-37.58	-71.31	-62.2	0.99	12.62	Н
	6942	-46.91	-13	-33.91	-70.66	-57.3	1.03	11.43	Н
	10417	-41.70	-13	-28.70	-72.43	-51.6	1.41	11.31	Н
									Н
									Н
									Н
Highest	3474	-56.56	-13	-43.56	-74.4	-68.3	0.78	12.52	V
	5208	-51.58	-13	-38.58	-72.06	-63.2	0.99	12.62	V
	6942	-47.61	-13	-34.61	-71.31	-58	1.03	11.43	V
	10417	-42.50	-13	-29.50	-73.12	-52.4	1.41	11.31	V
									V
									V
									V

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	LTE Band 5 / 10MHz / QPSK											
Channel	Frequency ( MHz )	ERP (dBm)	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)			
	1648	-52.32	-13	-39.32	-62.23	-59.27	0.53	9.63	Н			
	2472	-59.86	-13	-46.86	-73.3	-67.84	0.65	10.78	Н			
	3296	-58.36	-13	-45.36	-74.5	-67.44	0.76	11.99	Н			
									Н			
									Н			
									Н			
Lowest									Н			
Lowest	1648	-52.54	-13	-39.54	-62.16	-59.49	0.53	9.63	V			
	2472	-58.89	-13	-45.89	-72.82	-66.87	0.65	10.78	V			
	3296	-58.33	-13	-45.33	-74.44	-67.41	0.76	11.99	V			
									V			
									V			
									V			
									V			
	1664	-53.77	-13	-40.77	-63.86	-60.75	0.53	9.66	Н			
	2496	-60.02	-13	-47.02	-73.43	-68.01	0.65	10.80	Н			
	3328	-58.47	-13	-45.47	-74.68	-67.64	0.76	12.08	Н			
									Н			
									Н			
									Н			
Middle									Н			
Middle	1664	-56.06	-13	-43.06	-65.75	-63.04	0.53	9.66	V			
	2496	-59.59	-13	-46.59	-73.42	-67.58	0.65	10.80	V			
	3328	-58.53	-13	-45.53	-74.55	-67.7	0.76	12.08	V			
									V			
									V			
									V			
									V			

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	1680	-52.85	-13	-39.85	-63.1	-59.87	0.53	9.70	Н
	2520	-59.91	-13	-46.91	-73.36	-67.91	0.66	10.81	Н
	3360	-58.53	-13	-45.53	-74.77	-67.79	0.77	12.18	Н
									Н
									Н
									Н
Highest									Н
Highest	1680	-52.68	-13	-39.68	-62.43	-59.7	0.53	9.70	V
	2520	-59.81	-13	-46.81	-73.64	-67.81	0.66	10.81	V
	3360	-58.82	-13	-45.82	-74.8	-68.08	0.77	12.18	V
									V
									V
									V
			-						V

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			L	TE Band 7 /	20MHz / QP	SK			
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)
	5000	-55.84	-25	-30.84	-75.72	-67.1	0.94	12.20	Н
	7500	-53.08	-25	-28.08	-77	-62.3	1.18	10.40	Н
	10008	-46.58	-25	-21.58	-76.97	-57.3	1.37	12.08	Н
	15012	-41.14	-25	-16.14	-74.75	-52.8	1.72	13.38	Н
									Н
									Н
Lowest									Н
Lowest	5000	-55.54	-25	-30.54	-75.81	-66.8	0.94	12.20	V
	7500	-51.98	-25	-26.98	-76.75	-61.2	1.18	10.40	V
	10008	-45.58	-25	-20.58	-75.99	-56.3	1.37	12.08	V
	15012	-38.54	-25	-13.54	-72.48	-50.2	1.72	13.38	V
									V
									V
									V
	5052	-55.75	-25	-30.75	-75.81	-67.1	0.95	12.30	Н
	7575	-51.47	-25	-26.47	-76.29	-60.9	1.18	10.61	Н
	10100	-45.87	-25	-20.87	-76.81	-56.4	1.38	11.91	Н
	15156	-38.70	-25	-13.70	-72.81	-51.3	1.73	14.33	Н
									Н
									Н
NA: -I -II -									Н
Middle	5052	-55.75	-25	-30.75	-75.98	-67.1	0.95	12.30	V
	7575	-52.07	-25	-27.07	-76.74	-61.5	1.18	10.61	V
	10100	-46.37	-25	-21.37	-76.8	-56.9	1.38	11.91	V
	15156	-34.50	-25	-9.50	-68.13	-47.1	1.73	14.33	V
									V
									V
									V

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		1		1	1				
	5100	-55.76	-25	-30.76	-76.09	-67.2	0.96	12.40	Н
	7650	-51.56	-25	-26.56	-76.35	-61.2	1.18	10.82	Н
	10200	-45.37	-25	-20.37	-75.87	-55.7	1.39	11.72	Н
	15300	-38.66	-25	-13.66	-73.29	-52.2	1.74	15.28	Н
									Н
									Н
Lligh oot									Н
Highest	5100	-55.66	-25	-30.66	-76.01	-67.1	0.96	12.40	V
	7656	-51.65	-25	-26.65	-76.19	-61.3	1.18	10.84	V
	10206	-45.28	-25	-20.28	-75.43	-55.6	1.39	11.71	V
	15300	-36.96	-25	-11.96	-70.89	-50.5	1.74	15.28	V
									V
									V
									V

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			Ľ	TE Band 12	/ 10MHz / QF	PSK			
Channel	Frequency (MHz)	ERP (dBm)	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
	1400	-55.32	-13	-42.32	-66.43	-61.37	0.50	8.70	Н
	2100	-52.52	-13	-39.52	-66.01	-60.26	0.59	10.48	Н
	2800	-59.62	-13	-46.62	-74.03	-67.75	0.70	10.98	Н
									Н
									Н
									Н
Lowest									Н
Lowest	1400	-53.17	-13	-40.17	-64.34	-59.22	0.50	8.70	V
	2100	-53.43	-13	-40.43	-66.68	-61.17	0.59	10.48	V
	2800	-59.08	-13	-46.08	-73.91	-67.21	0.70	10.98	V
									V
									V
									V
									V
	1408	-54.74	-13	-41.74	-65.95	-60.84	0.50	8.75	Н
	2112	-56.29	-13	-43.29	-70.08	-64.04	0.59	10.49	Н
	2816	-59.70	-13	-46.70	-74.16	-67.83	0.71	10.99	Н
									Н
									Н
									Н
Middle									Н
Middle	1408	-52.73	-13	-39.73	-63.74	-58.83	0.50	8.75	V
	2112	-54.41	-13	-41.41	-68.02	-62.16	0.59	10.49	V
	2816	-59.17	-13	-46.17	-74.01	-67.30	0.71	10.99	V
									V
									V
									V
									V

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		1			1	T		1	
	1416	-55.19	-13	-42.19	-66.40	-61.33	0.50	8.80	Н
	2120	-54.65	-13	-41.65	-68.43	-62.40	0.59	10.50	Н
	2832	-59.35	-13	-46.35	-73.87	-67.49	0.71	11.00	Н
									Н
									Н
									Н
Lligh oot									Н
Highest	1416	-52.78	-13	-39.78	-63.79	-58.92	0.50	8.80	V
	2120	-54.53	-13	-41.53	-68.13	-62.28	0.59	10.50	V
	2832	-59.36	-13	-46.36	-47.36	-67.50	0.71	11.00	V
									V
									V
									V
									V

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			Ľ	TE Band 13	/ 10MHz / QF	PSK			
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
	1560	-60.52	-42.15	-18.37	-61.52	-67.29	0.51	9.43	Н
	2340	-57.11	-13	-44.11	-58.11	-65.01	0.62	10.67	Н
	3120	-58.09	-13	-45.09	-59.09	-66.66	0.74	11.46	Н
									Н
									Н
									Н
Middle									Н
Middle	1560	-61.30	-42.15	-19.15	-71.15	-68.07	0.51	9.43	V
	2340	-57.92	-13	-44.92	-72.54	-65.82	0.62	10.67	V
	3120	-58.02	-13	-45.02	-73.84	-66.59	0.74	11.46	V
									V
									V
									V
									V

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

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			Ľ	TE Band 17	/ 10MHz / QF	PSK			
Channel	Frequency ( MHz )	ERP (dBm)	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
	1408	-54.02	-13	-41.02	-65.23	-60.12	0.50	8.75	Н
	2112	-54.19	-13	-41.19	-67.98	-61.94	0.59	10.49	Н
	2816	-59.62	-13	-46.62	-74.08	-67.75	0.71	10.99	Н
									Н
									Н
									Н
Lowest									Н
Lowest	1408	-52.39	-13	-39.39	-63.40	-58.49	0.50	8.75	V
	2112	-55.34	-13	-42.34	-68.95	-63.09	0.59	10.49	V
	2816	-59.24	-13	-46.24	-74.08	-67.37	0.71	10.99	V
									V
									V
									V
									V
	1408	-53.85	-13	-40.85	-65.06	-59.95	0.50	8.75	Н
	2120	-54.50	-13	-41.50	-68.28	-62.25	0.59	10.50	Н
	2826	-59.66	-13	-46.66	-74.18	-67.80	0.71	11.00	Н
									Н
									Н
									Н
Middle									Н
Middle	1408	-53.05	-13	-40.05	-64.06	-59.15	0.50	8.75	V
	2120	-54.14	-13	-41.14	-67.74	-61.89	0.59	10.50	V
	2826	-58.91	-13	-45.91	-73.75	-67.05	0.71	11.00	V
									V
									V
									V
									V

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				1	1	1	1		
	1416	-54.70	-13	-41.70	-65.91	-60.84	0.50	8.80	Н
	2120	-54.09	-13	-41.09	-67.87	-61.84	0.59	10.50	Н
	2832	-59.54	-13	-46.54	-74.06	-67.68	0.71	11.00	Н
									Н
									Н
									Н
Lliaboot									Н
Highest	1416	-53.14	-13	-40.14	-64.15	-59.28	0.50	8.80	V
	2120	-54.02	-13	-41.02	-67.62	-61.77	0.59	10.50	V
	2832	-59.30	-13	-46.30	-74.14	-67.44	0.71	11.00	V
									V
									V
									V
									V

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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)	
	4998	-55.16	-25	-30.16	-75.73	-66.43	0.93	12.20	Н	
	7494	-43.44	-25	-18.44	-68.34	-52.67	1.18	10.41	Н	
	9990	-45.61	-25	-20.61	-76.66	-55.95	1.40	11.73	Н	
									Н	
									Н	
									Н	
Lowest									Н	
Lowest	4998	-55.03	-25	-30.03	-75.77	-66.3	0.93	12.20	V	
	7494	-40.06	-25	-15.06	-65.04	-49.29	1.18	10.41	V	
	9990	-46.61	-25	-21.61	-77.32	-56.95	1.40	11.73	V	
									V	
									V	
									V	
									V	
	5166	-56.05	-25	-31.05	-76.36	-67.6	0.98	12.53	Н	
	7752	-43.78	-25	-18.78	-69.07	-53.7	1.19	11.11	Н	
	10332	-46.03	-25	-21.03	-76.6	-56.1	1.40	11.47	Н	
									Н	
									Н	
									Н	
Middle									Н	
wiidule	5166	-55.35	-25	-30.35	-75.93	-66.9	0.98	12.53	V	
	7752	-44.28	-25	-19.28	-69.1	-54.2	1.19	11.11	V	
	10372	-45.71	-25	-20.71	-76.44	-55.7	1.40	11.39	V	
									V	
									V	
									V	
									V	

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	5340	-55.11	-25	-30.11	-76.28	-66.94	1.05	12.88	Н
	8016	-46.03	-25	-21.03	-73	-56.63	1.20	11.80	Н
	10692	-46.57	-25	-21.57	-77.23	-55.92	1.43	10.79	Н
									Н
									Н
									Н
∐ighoot									Н
Highest	5340	-52.87	-25	-27.87	-74.15	-64.7	1.05	12.88	V
	8016	-40.95	-25	-15.95	-68.05	-51.55	1.20	11.80	V
	10692	-46.79	-25	-21.79	-77.33	-56.14	1.43	10.79	V
									V
									V
									V
									V

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LTE Band 26 / 15MHz / QPSK										
Channel	Frequency ( MHz )	ERP (dBm)	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
	1648	-54.39	-13	-41.39	-64.3	-61.34	0.53	9.63	Н	
	2472	-58.50	-13	-45.50	-71.94	-66.48	0.65	10.78	Н	
	3296	-58.25	-13	-45.25	-74.39	-67.33	0.76	11.99	Н	
									Н	
									Н	
									Н	
Lowest									Н	
Lowest	1648	-54.33	-13	-41.33	-63.95	-61.28	0.53	9.63	V	
	2472	-57.61	-13	-44.61	-71.54	-65.59	0.65	10.78	V	
	3296	-58.45	-13	-45.45	-74.56	-67.53	0.76	11.99	V	
									V	
									V	
									V	
									V	
	1656	-53.21	-13	-40.21	-63.16	-60.18	0.53	9.64	Н	
	2488	-59.86	-13	-46.86	-73.26	-67.85	0.65	10.79	Н	
	3312	-58.29	-13	-45.29	-74.46	-67.42	0.76	12.04	Н	
									Н	
									Н	
									Н	
Middla									Н	
Middle	1656	-55.37	-13	-42.37	-65.03	-62.34	0.53	9.64	V	
	2488	-58.78	-13	-45.78	-72.6	-66.77	0.65	10.79	V	
	3312	-58.54	-13	-45.54	-74.6	-67.67	0.76	12.04	V	
									V	
									V	
									V	
									V	

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	1672	-54.64	-13	-41.64	-64.73	-61.64	0.53	9.68	Н
	2504	-60.39	-13	-47.39	-73.82	-68.39	0.66	10.80	Н
	3344	-58.08	-13	-45.08	74.28	-67.3	0.76	12.13	Н
									Н
									Н
									Н
Lligh oot									Н
Highest	1672	-55.00	-13	-42.00	-64.69	-62	0.53	9.68	V
	2504	-59.61	-13	-46.61	-73.45	-67.61	0.66	10.80	V
	3344	-58.43	-13	-45.43	-74.44	-67.65	0.76	12.13	V
									V
									V
									V
									V

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LTE Band 66 / 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)		
	3420	-56.62	-13	-43.62	-73.78	-68.21	0.77	12.36	Н		
	5136	-52.07	-13	-39.07	-72.77	-63.57	0.97	12.47	Н		
	6846	-49.73	-13	-36.73	-73.42	-60.55	0.82	11.64	Н		
	10270.5	-41.99	-13	-28.99	-72.93	-52.18	1.39	11.59	Н		
									Н		
									Н		
Lowest									Н		
Lowest	3420	-53.93	-13	-40.93	-70.9	-65.52	0.77	12.36	V		
	5136	-51.91	-13	-38.91	-72.78	-63.41	0.97	12.47	V		
	6846	-48.21	-13	-35.21	-72.37	-59.03	0.82	11.64	V		
	10270.5	-42.68	-13	-29.68	-73.4	-52.87	1.39	11.59	V		
									V		
									V		
									V		
	3474	-56.70	-13	-43.70	-73.94	-68.44	0.78	12.52	Н		
	5208	-51.88	-13	-38.88	-72.7	-63.50	0.99	12.62	Н		
	6942	-46.80	-13	-33.80	-70.71	-57.19	1.03	11.43	Н		
	10417.5	-42.87	-13	-29.87	-73.76	-52.77	1.41	11.31	Н		
									Н		
									Н		
Middle									Н		
Middle	3474	-53.94	-13	-40.94	-71.85	-65.68	0.78	12.52	V		
	5208	-51.92	-13	-38.92	-72.9	-63.54	0.99	12.62	V		
	6942	-43.81	-13	-30.81	-68.08	-54.20	1.03	11.43	V		
	10417.5	-42.49	-13	-29.49	-73.23	-52.39	1.41	11.31	V		
									V		
									V		
									V		

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	3522	-56.03	-13	-43.03	-73.2	-67.84	0.78	12.59	Н
	5286	-54.34	-13	-41.34	-75.36	-66.09	1.02	12.77	Н
	7044	-47.49	-13	-34.49	-71.68	-57.54	1.17	11.22	Н
	10564.5	-42.35	-13	-29.35	-73.16	-51.96	1.42	11.03	Н
									Н
									Н
∐ighost									Н
Highest	3522	-54.88	-13	-41.88	-73.04	-66.69	0.78	12.59	V
	5286	-54.31	-13	-41.31	-75.47	-66.06	1.02	12.77	V
	7044	-45.75	-13	-32.75	-70.24	-55.80	1.17	11.22	V
	10564.5	-44.22	-13	-31.22	-74.91	-53.83	1.42	11.03	V
									V
									V
									V

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