

Report No.: FG0N0620-02D



FCC RADIO TEST REPORT

FCC ID : 2AJN7-TP00128AUC Equipment : Notebook Computer

Brand Name : Lenovo Model Name : TP00128A

Applicant : LC Future Center Limited Taiwan Branch

7F., No. 780, Bei'an Rd., Zhongshan Dist.,

Taipei City 104, Taiwan

Manufacturer : LCFC (HeFei) Electronics Technology Co., Ltd.

No. 3188-1, Yungu Road (Hefei Export Processing Zone), Hefei Economics &

Technology Development Area, Anhui, CHINA

Standard : FCC 47 CFR Part 2, Part 27(D)

Equipment: Foxconn T99W175 tested inside of Lenovo Notebook Computer.

The product was received on Jun. 03, 2021 and testing was started from Jun. 09, 2021 and completed on Jun. 26, 2021. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

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

Approved by: Louis Wu

Louis Win

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan

 TEL: 0800-800005
 Page Number
 : 1 of 13

 FAX: 886-3-327-0855
 Issued Date
 : Sep. 29, 2021

 E-mail: Alex@sporton.com.tw
 Report Version
 : 02

Table of Contents

His	story o	of this test report	3
Su	mmar	y of Test Result	4
1	Gene	eral Description	5
	1.1	Product Feature of Equipment Under Test	5
	1.2	Product Specification of Equipment Under Test	5
	1.3	Modification of EUT	5
	1.4	Testing Site	6
	1.5	Applied Standards	6
2	Test	Configuration of Equipment Under Test	7
	2.1	Test Mode	
	2.2	Connection Diagram of Test System	7
	2.3	Support Unit used in test configuration and system	8
	2.4	Frequency List of Low/Middle/High Channels	8
3	Radia	ated Test Items	9
	3.1	Measuring Instruments	9
	3.2	Radiated Spurious Emission Measurement	11
4	List	of Measuring Equipment	12
5	Unce	ertainty of Evaluation	13
Αp	pendi	x A. Test Results of Radiated Test	
Δn	nendi	x B. Test Setup Photographs	

TEL: 0800-800005 FAX: 886-3-327-0855 E-mail: Alex@sporton.com.tw

Report Template No.: BU5-FGLTE27D Version 2.4

Page Number : 2 of 13 Issued Date : Sep. 29, 2021

Report No.: FG0N0620-02D

Report Version : 02

History of this test report

Report No.: FG0N0620-02D

Report No.	Version	Description	Issued Date
FG0N0620-02D	01	Initial issue of report	Jun. 30, 2021
FG0N0620-02D	02	 Add remark description in summary of test result Revise product feature of equipment under test 	Sep. 29, 2021

 TEL: 0800-800005
 Page Number
 : 3 of 13

 FAX: 886-3-327-0855
 Issued Date
 : Sep. 29, 2021

 E-mail: Alex@sporton.com.tw
 Report Version
 : 02

E-mail : Alex@sporton.com.tw Report Version
Report Template No.: BU5-FGLTE27D Version 2.4

Summary of Test Result

Report No.: FG0N0620-02D

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	§2.1046	Conducted Output Power and Effective Isotropic Radiated Power	Not Required	-
-	-	Peak-to-Average Ratio	Not Required	-
-	§27.50 (a)(3)	EIRP Power Density	Not Required	-
-	§2.1049	Occupied Bandwidth	Not Required	-
-	§2.1051 §27.53 (a)(4)	Conducted Band Edge Measurement	Not Required	-
-	§2.1051 §27.53 (a)(4)	Conducted Spurious Emission	Not Required	-
-	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Not Required	-
3.2	§2.1053 §27.53 (a)(4)	Radiated Spurious Emission	Pass	Under limit 11.36 dB at 6918.000 MHz

Note:

- 1. Not required means after assessing, test items are not necessary to carry out.
- This is a variant report by adding antenna. All the test cases were performed on original report which can be referred to Sporton Report Number FG0N0620D. Based on the original report, the test cases were verified.
- 3. The maximum EIRP power does not exceed the original grant.

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.

Reviewed by: Sheng Kuo Report Producer: Cindy Liu

TEL: 0800-800005 Page Number : 4 of 13 FAX: 886-3-327-0855 Issued Date : Sep. 29, 2021

E-mail : Alex@sporton.com.tw Report Version : 02

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature						
Equipment	Notebook Computer					
Brand Name	Lenovo					
Model Name	TP00128A					
FCC ID	2AJN7-TP00128AUC					
	WCDMA/HSPA/LTE/5G NR/GNSS/NFC/UBW					
	WLAN 11a/b/g/n HT20/HT40					
EUT supports Radios application	WLAN 11ac VHT80/VHT160					
	WLAN 11ax HE20/HE40/HE80/HE160					
	Bluetooth BR/EDR/LE					
EUT Stage	Production Unit					

Report No.: FG0N0620-02D

Remark:

- 1. The above EUT's information was declared by manufacturer.
- 2. Equipment: Foxconn T99W175 tested inside of Lenovo Notebook Computer.

WWAN Antenna Information						
	Manufacturer	JYT/NVC	Peak gain (dBi)	-3.03		
Main Antenna	Part number	JYAAE0154HR	Туре	PIFA		

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.2 Product Specification of Equipment Under Test

Product Specification subjective to this standard							
Tx Frequency	LTE Band 30 : 2307.5 MHz ~ 2312.5 MHz						
Rx Frequency	LTE Band 30 : 2352.5 MHz ~ 2357.5 MHz						
Bandwidth	LTE Band 30 :5MHz / 10MHz						
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM						

1.3 Modification of EUT

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

TEL: 0800-800005 Page Number : 5 of 13 FAX: 886-3-327-0855 Issued Date : Sep. 29, 2021

E-mail: Alex@sporton.com.tw Report Version : 02

1.4 Testing Site

Test Site Sporton International Inc. Wensan Laboratory							
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan						
Test Site No.	Sporton Site No.						
rest site No.	03CH12-HY						
Test Engineer	Jack Cheng, Lance Chiang and Chuan Chu						
Temperature	22.3~26.4℃						
Relative Humidity	58~66%						

Report No.: FG0N0620-02D

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW3786

1.5 Applied Standards

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

- + ANSI C63.26-2015
- FCC 47 CFR Part 2, Part 27(D)
- ANSI / TIA-603-E
- FCC KDB 971168 Power Meas License Digital Systems D01 v03r01
- FCC KDB 414788 D01 Radiated Test Site v01r01

Remark:

- 1. All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. The TAF code is not including all the FCC KDB listed without accreditation.

TEL: 0800-800005 Page Number : 6 of 13 FAX: 886-3-327-0855 Issued Date : Sep. 29, 2021

E-mail: Alex@sporton.com.tw Report Version : 02

2 Test Configuration of Equipment Under Test

2.1 Test Mode

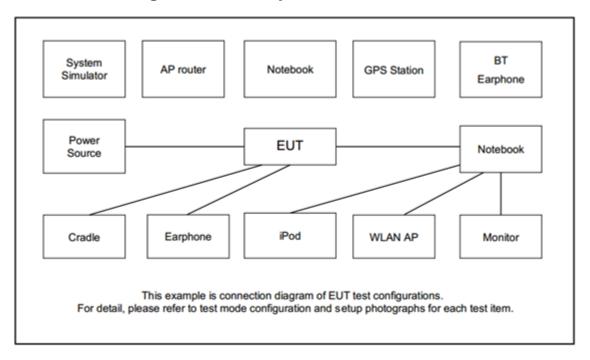
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

Report No.: FG0N0620-02D

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

Total Manage	D1	Bandwidth (MHz)			Modulation			RB#			Test Channel						
Test Items	Band	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	٦	М	н
Radiated																	
Spurious	30	-	-	v	v	-	-	v				v			v	v	v
Emission																	
	1. The mark "v" means that this configuration is chosen for testing																
D	2. The mark "-" means that this bandwidth is not supported.																
Remark	3. T	he devi	ce is in	vestiga	ted fro	m 30MI	Hz to 1	0 times of	f fundame	ntal signa	I for radia	ted spu	urious e	emissic	n test	unde	r
	d	3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.															

2.2 Connection Diagram of Test System



TEL: 0800-800005 Page Number: 7 of 13 Sued Date: Sep. 29, 2021

E-mail : Alex@sporton.com.tw Report Version : 02
Report Template No.: BU5-FGLTE27D Version 2.4

2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord	
1.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m	
2.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A	

Report No.: FG0N0620-02D

2.4 Frequency List of Low/Middle/High Channels

LTE Band 30 Channel and Frequency List									
BW [MHz]	Channel/Frequency(MHz) Lowest Middle Highest								
10	Channel	-	27710	-					
10	Frequency	-	2310	-					
E	Channel	27685	27710	27735					
5	Frequency	2307.5	2310	2312.5					

TEL: 0800-800005 : 8 of 13 Page Number Issued Date FAX: 886-3-327-0855 : Sep. 29, 2021 Report Version : 02

E-mail: Alex@sporton.com.tw Report Template No.: BU5-FGLTE27D Version 2.4

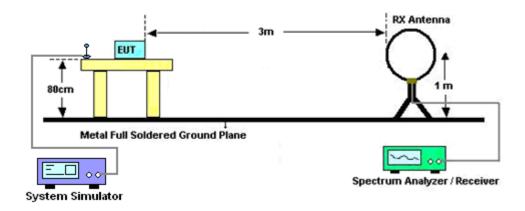
3 Radiated Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

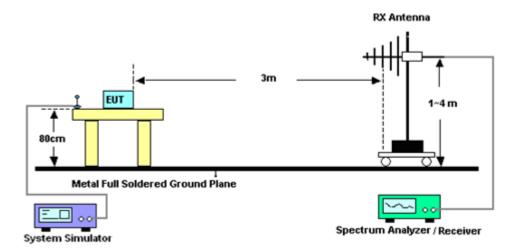
3.1.1 Test Setup

For radiated test below 30MHz



Report No.: FG0N0620-02D

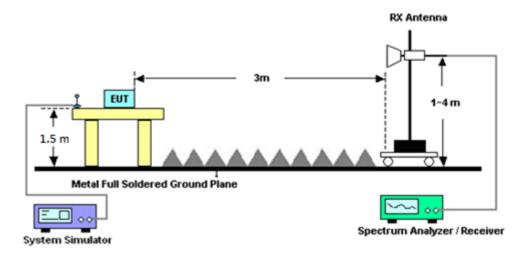
For radiated test from 30MHz to 1GHz



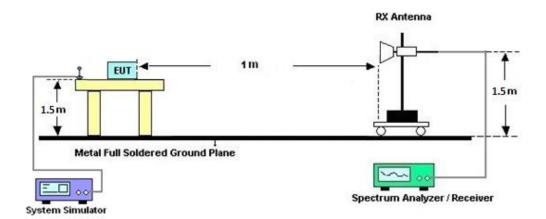
TEL: 0800-800005 Page Number : 9 of 13 FAX: 886-3-327-0855 Issued Date : Sep. 29, 2021

E-mail : Alex@sporton.com.tw Report Version : 02
Report Template No.: BU5-FGLTE27D Version 2.4

For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.1.2 Test Result of Radiated Test

Please refer to Appendix A.

Note:

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

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

TEL: 0800-800005 FAX: 886-3-327-0855 E-mail: Alex@sporton.com.tw

Report Template No.: BU5-FGLTE27D Version 2.4

Page Number : 10 of 13 Issued Date : Sep. 29, 2021

Report No.: FG0N0620-02D

Report Version : 02

3.2 Radiated Spurious Emission Measurement

3.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-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 70 + 10 log (P) dB.

Report No.: FG0N0620-02D

: 02

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

3.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI / TIA-603-E Section 2.2.12.

- 1. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
- 2. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
- The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
- 5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
- Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the 6. 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.

```
EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
ERP (dBm) = EIRP - 2.15
```

The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from 70 + 10log(P)dB below the transmitter power P(Watts)

- = P(W) [70 + 10log(P)] (dB)
- = [30 + 10log(P)] (dBm) [70 + 10log(P)] (dB)
- = -40dBm.

TEL: 0800-800005 : 11 of 13 Page Number FAX: 886-3-327-0855 : Sep. 29, 2021 Issued Date Report Version

E-mail: Alex@sporton.com.tw Report Template No.: BU5-FGLTE27D Version 2.4

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jul. 14, 2020	Jun. 09, 2021~ Jun. 26, 2021	Jul. 13, 2021	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	37059 & 01	30MHz~1GHz	Oct. 11, 2020	Jun. 09, 2021~ Jun. 26, 2021	Oct. 10, 2021	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 11, 2020	Jun. 09, 2021~ Jun. 26, 2021	Oct. 10, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-132 8	1GHz~18GHz	Nov. 23, 2020	Jun. 09, 2021~ Jun. 26, 2021	Nov. 22, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-121 2	1GHz~18GHz	May 18, 2021	Jun. 09, 2021~ Jun. 26, 2021	May 17, 2022	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00993	18GHz~40GHz	Nov. 19, 2020	Jun. 09, 2021~ Jun. 26, 2021	Nov. 18, 2021	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 980	18GHz~40GHz	Jan. 11, 2021	Jun. 09, 2021~ Jun. 26, 2021	Jan. 10, 2022	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 24, 2021	Jun. 09, 2021~ Jun. 26, 2021	Mar. 23, 2022	Radiation (03CH12-HY)
Preamplifier	Keysight	83017A	MY572801 20	1GHz~26.5GHz	Jul. 20, 2020	Jun. 09, 2021~ Jun. 26, 2021	Jul. 19, 2021	Radiation (03CH12-HY)
Preamplifier	E-INSTRUME NT TECH LTD.	ERA-100M-18 G-56-01-A70	EC190024 9	1GHz~18GHz	Dec. 05, 2020	Jun. 09, 2021~ Jun. 26, 2021	Dec. 04, 2021	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 11, 2020	Jun. 09, 2021~ Jun. 26, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY534701 18	10Hz~44GHz	Jan. 15, 2021	Jun. 09, 2021~ Jun. 26, 2021	Jan. 14, 2022	Radiation (03CH12-HY)
Signal Generator	Rohde & Schwarz	SMB100A	101107	100kHz~40GHz	Dec. 04, 2020	Jun. 09, 2021~ Jun. 26, 2021	Dec. 03, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 11, 2020	Jun. 09, 2021~ Jun. 26, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 22, 2021	Jun. 09, 2021~ Jun. 26, 2021	Feb. 21, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz~40GHz	Feb. 22, 2021	Jun. 09, 2021~ Jun. 26, 2021	Feb. 21, 2022	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-1 2SS	SN2	1.2GHz Low Pass Filter	Mar. 17, 2021	Jun. 09, 2021~ Jun. 26, 2021	Mar. 16, 2022	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-108 0-1200-15000 -60SS	SN1	1.2GHz High Pass Filter	Mar. 17, 2021	Jun. 09, 2021~ Jun. 26, 2021	Mar. 16, 2022	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-270 0-3000-18000 -60ST	SN2	3GHz High Pass Filter	Jul. 14, 2020	Jun. 09, 2021~ Jun. 26, 2021	Jul. 13, 2021	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jun. 09, 2021~ Jun. 26, 2021	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1m~4m	N/A	Jun. 09, 2021~ Jun. 26, 2021	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jun. 09, 2021~ Jun. 26, 2021	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-00098 9	N/A	N/A	Jun. 09, 2021~ Jun. 26, 2021	N/A	Radiation (03CH12-HY)

Report No.: FG0N0620-02D

 TEL: 0800-800005
 Page Number
 : 12 of 13

 FAX: 886-3-327-0855
 Issued Date
 : Sep. 29, 2021

 E-mail: Alex@sporton.com.tw
 Report Version
 : 02

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of	3.07 dB
Confidence of 95% (U = 2Uc(y))	3.07 db

Report No.: FG0N0620-02D

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

Measuring Uncertainty for a Level of	3.21 dB
Confidence of 95% (U = 2Uc(y))	3.21 dB

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

-		-
	Measuring Uncertainty for a Level of	3.80 dB
	Confidence of 95% (U = 2Uc(y))	3.60 dB

TEL: 0800-800005 Page Number : 13 of 13 FAX: 886-3-327-0855 Issued Date : Sep. 29, 2021

E-mail : Alex@sporton.com.tw Report Version : 02
Report Template No.: BU5-FGLTE27D Version 2.4

Appendix A. Test Results of Radiated Test

LTE Band 30

Report No.: FG0N0620-02D

LTE Band 30 / 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)	
	4608	-57.51	-40	-17.51	-44.51	-68.74	1.45	12.68	Н	
	6918	-58.32	-40	-18.32	-52.93	-68.60	1.73	12.01	Н	
	9225	-59.02	-40	-19.02	-54.11	-68.64	2.16	11.78	Н	
									Н	
									Н	
Lowest									Н	
Lowest	4608	-56.79	-40	-16.79	-43	-68.02	1.45	12.68	V	
	6918	-53.53	-40	-13.53	-47.7	-63.81	1.73	12.01	V	
	9225	-58.40	-40	-18.40	-54.49	-68.02	2.16	11.78	V	
									V	
									V	
									V	
	4614	-58.55	-40	-18.55	-45.56	-69.77	1.46	12.68	Н	
	6924	-59.46	-40	-19.46	-54.11	-69.74	1.73	12.01	Н	
	9234	-59.11	-40	-19.11	-54.2	-68.72	2.16	11.77	Н	
									Н	
									Н	
									Н	
Middle									Н	
Middle	4614	-56.23	-40	-16.23	-42.47	-67.45	1.46	12.68	V	
	6924	-55.66	-40	-15.66	-49.86	-65.94	1.73	12.01	V	
	9234	-58.20	-40	-18.20	-54.3	-67.81	2.16	11.77	V	
									V	
									V	
									V	
									V	

TEL: 0800-800005 Page Number : A1 of A3

FAX: 886-3-327-0855 E-mail: Alex@sporton.com.tw



-17.00 4620 -57.00 -40 -44.04 -68.22 1.46 12.68 Н 6930 -58.26 -40 -18.26 -52.94 -68.53 1.73 12.00 Н 9243 11.76 -58.79 -40 -18.79 -53.87 -68.38 2.16 Η Η Н Н Н Highest ٧ 4620 -56.45 -40 -16.45 -42.72 -67.67 1.46 12.68 -54.60 1.73 12.00 ٧ 6930 -40 -14.60 -48.83 -64.87 9243 -58.01 -40 -18.01 -54.12 -67.60 2.16 11.76 ٧ ٧ ٧ ٧ ٧

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

FAX: 886-3-327-0855

TEL: 0800-800005

E-mail: Alex@sporton.com.tw

Page Number : A2 of A3

Report No.: FG0N0620-02D

LTE Band 30 / 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)
	4614	-63.01	-40	-23.01	-50.02	-74.23	1.46	12.68	Н
	6918	-60.08	-40	-20.08	-54.69	-70.36	1.73	12.01	Н
	9225	-59.12	-40	-19.12	-54.21	-68.74	2.16	11.78	Н
									Н
									Н
									Н
NA: -I -II -									Н
Middle	4614	-56.15	-40	-16.15	-42.39	-67.37	1.46	12.68	V
	6918	-51.36	-40	-11.36	-45.53	-61.64	1.73	12.01	V
	9225	-58.00	-40	-18.00	-54.09	-67.62	2.16	11.78	V
									V
									V
									V
									V

Report No.: FG0N0620-02D

: A3 of A3

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

TEL: 0800-800005 Page Number FAX: 886-3-327-0855

E-mail: Alex@sporton.com.tw