

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Report No: CCISE180513004

FCC REPORT

Applicant: Sun Cupid Technology (HK) Ltd.

Address of Applicant: 16/F, CEO Tower, 77 Wing Hong Street, Cheung Sha Wan,

Kowloon, Hong Kong.

Equipment Under Test (EUT)

Product Name: LTE mobile phone

Model No.: N5702L, G2, G3, G3+

Trade mark: NUU

FCC ID: 2ADINN5702L

Applicable standards: FCC CFR Title 47 Part 15 Subpart E Section 15.407

Date of sample receipt: 25 May, 2018

Date of Test: 25 May, to 08 Jun., 2018

Date of report issued: 11 Jun., 2018

Test Result: PASS*

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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2 Version

Version No.	Date	Description		
00	11 Jun., 2018	This report was amended on FCC ID: 2ADINN5702L follow FCC Class II Permissive Change. The differences between them as below: Added a model number, Changed the battery and adapter. Base on the differences description, the Conducted Emission and Radiated Emission below 1GHz were re-tested.		

Tested by: Date: 11 Jun., 2018

Test Engineer

Reviewed by: Date: 11 Jun., 2018

Project Engineer



3 Contents

			Page
1	COV	/ER PAGE	1
2	VER	SION	2
3		VTENTS	
4		T SUMMARY	
5	GEN	IERAL INFORMATION	5
	5.1	CLIENT INFORMATION	5
	5.2	GENERAL DESCRIPTION OF E.U.T	5
	5.3	TEST ENVIRONMENT AND TEST MODE	
	5.4	DESCRIPTION OF SUPPORT UNITS	
	5.5	MEASUREMENT UNCERTAINTY	
	5.6	RELATED SUBMITTAL(S) / GRANT (S)	
	5.7	LABORATORY FACILITY	
	5.8	LABORATORY LOCATION	
	5.9	TEST INSTRUMENTS LIST	
6	TES	T RESULTS AND MEASUREMENT DATA	9
	6.1	ANTENNA REQUIREMENT	9
	6.2	CONDUCTED EMISSION	10
	6.3	CONDUCTED OUTPUT POWER	
	6.4	OCCUPY BANDWIDTH	
	6.5	POWER SPECTRAL DENSITY	
	6.6	BAND EDGE	
	6.7	SPURIOUS EMISSION	
	6.7.1 6.7.2		
	6.8	FREQUENCY STABILITY	
7	TES	T SETUP PHOTO	25
Ω	FIIT	CONSTRUCTIONAL DETAILS	26





4 Test Summary

Test Item	Section in CFR 47	Test Result
Antenna requirement	15.203 & 15.407 (a)	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Peak Output Power	15.407 (a) (1) (iv)	Pass*
26dB Occupied Bandwidth	15.407 (a) (5)	Pass*
6dB Emission Bandwidth	15.407(e)	Pass*
Power Spectral Density	15.407 (a) (1) (iv)	Pass*
Band Edge	15.407(b)	Pass*
Spurious Emission	15.407 (b) & 15.205 & 15.209	Pass
Frequency Stability	15.407(g)	Pass*

Pass: The EUT complies with the essential requirements in the standard.

Pass*: Please refer to the FCC ID: 2ADINN5702L

N/A: N/A: Not Applicable.



5 General Information

5.1 Client Information

Applicant:	Sun Cupid Technology (HK) Ltd.
Address:	16/F, CEO Tower, 77 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong.
Manufacturer	Sun Cupid Technology (HK) Ltd.
Address:	16/F, CEO Tower, 77 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong.
Factory:	SUNCUPID (ShenZhen) Electronic Ltd
Address:	Baolong Industrial City, Longgang District, Shenzhen Hi-Tech Road, Building 1, A 7, China.

5.2 General Description of E.U.T.

Product Name:	LTE mobile phone
Model No.:	N5702L, G2, G3, G3+
Operation Frequency:	Band 1: 5150MHz-5250MHz
Channel numbers:	Band 1: 802.11a/802.11n20: 4, 802.11n40: 2
Channel separation:	802.11a/802.11n20: 20MHz, 802.11n40: 40MHz
Modulation technology (IEEE 802.11a):	BPSK, QPSK, 16-QAM, 64-QAM
Modulation technology (IEEE 802.11n):	BPSK, QPSK, 16-QAM, 64-QAM
Data speed (IEEE 802.11a):	6Mbps, 9Mbps,12Mbps,18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps
Data speed (IEEE 802.11n20):	MCS0: 6.5Mbps, MCS1:13Mbps,MCS2:19.5Mbps, MCS3:26Mbps, MCS4:39Mbps, MCS5:52Mbps, MCS6:58.5Mbps, MCS7:65Mbps
Data speed (IEEE 802.11n40):	MCS0:15Mbps, MCS1:30Mbps, MCS2:45Mbps, MCS3:60Mbps, MCS4:90Mbps, MCS5:120Mbps, MCS6:135Mbps, MCS7:150Mbps
Antenna Type:	Internal Antenna
Antenna gain:	-3.18 dBi
Power supply:	Rechargeable Li-ion Battery DC3.8V-4000mAh
AC adapter:	Model: HJ-0502000N2-US Input: AC100-240V, 50/60Hz, 0.3A Output: DC 5.0V, 2000mA
Remark:	Model No.: N5702L, G2, G3, G3+ were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being model name.

Report No: CCISE180513004

Operation Frequency each of channel							
	Band 1						
802.11a/	802.11a/802.11n20 802.11n40 /						
Channel	Frequency	Channel	Frequency	/	/		
36	5180MHz	38	5190MHz	/	/		
40	5200MHz	46	5230MHz				
44	5220MHz						
48	5240MHz						

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Band 1						
802.11a/8	302.11n20	1				
Channel	Frequency	Channel	Frequency	/	/	
Lowest channel	5180MHz	Lowest channel	5190MHz	/	/	
Middle channel	5200MHz	Highest channel	5230MHz			
Highest channel	5240MHz					

5.3 Test environment and test mode

Operating Environment:						
Temperature:	24.0 °C	24.0 °C				
Humidity:	54 % RH					
Atmospheric Pressure:	1010 mbar					
Test mode:						
Continuously transmitting mode	Continuously transmitting mode Keep the EUT in 100% duty cycle transmitting with modulation.					
		operation. All the test modes were carried out with is test report and defined as follows:				
Per-scan all kind of data rate, ar	nd found the follow lis	t were the worst case.				
Mode		Data rate				
802.11a		6 Mbps				
802.11n20		6.5 Mbps				
802.11n40		13 Mbps				

5.4 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
DELL	PC	OPTIPLEX745	N/A	DoC
DELL	MONITOR	E178FPC	N/A	DoC
DELL	KEYBOARD	SK-8115	N/A	DoC
DELL	MOUSE	MOC5UO	N/A	DoC
FLY POWER	Switching Adapter	PS24A120K2000UD	N/A	N/A



5.5 Measurement Uncertainty

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±2.22 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±2.76 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.28 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.72 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±2.88 dB (k=2)

Report No: CCISE180513004

5.6 Related Submittal(s) / Grant (s)

This is an original grant, no related submittals and grants.

5.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC - Registration No.: 727551

Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The Registration No. is 727551.

• IC - Registration No.: 10106A-1

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

CNAS - Registration No.: CNAS L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

5.8 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

Bao'an District, Shenzhen, Guangdong, China

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Email: info@ccis-cb.com, Website: http://www.ccis-cb.com

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Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



5.9 Test Instruments list

Radiated Emission:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
3m SAC	SAEMC	9m*6m*6m	966	07-22-2017	07-21-2020	
Loop Antenna	SCHWARZBECK	FMZB1519B	00044	03-16-2018	03-15-2019	
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-16-2018	03-15-2019	
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-16-2018	03-15-2019	
EMI Test Software	AUDIX	E3	6.110919b	N/A	N/A	
Pre-amplifier	HP	8447D	2944A09358	03-07-2018	03-06-2019	
Pre-amplifier	CD	PAP-1G18	11804	03-07-2018	03-06-2019	
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-07-2018	03-06-2019	
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-07-2018	03-06-2019	
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-07-2018	03-06-2019	
Cable	MICRO-COAX	MFR64639	K10742-5	03-07-2018	03-06-2019	
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2018	03-06-2019	

Conducted Emission:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-07-2018	03-06-2019	
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-07-2018	03-06-2019	
LISN	CHASE	MN2050D	1447	03-19-2018	03-18-2019	
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2017	07-20-2018	
Cable	HP	10503A	N/A	03-07-2018	03-06-2019	
EMI Test Software	AUDIX	E3	6.110919b	N/A	N/A	



6 Test results and Measurement Data

6.1 Antenna requirement

Standard requirement:

FCC Part15 E Section 15.203 /407(a)

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

E.U.T Antenna:

The WiFi antenna is an External antenna which cannot replace by end-user, the best case gain of the antenna is -3.18 dBi.





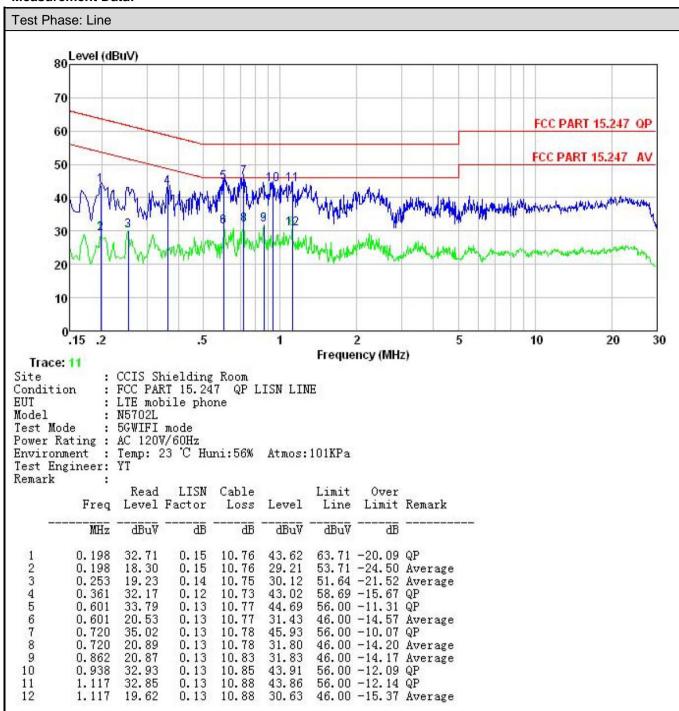


6.2 Conducted Emission

Test Requirement:	FCC Part15 C Section 15.207		
Test Method:	ANSI C63.10: 2013		
Test Frequency Range:	150kHz to 30MHz		
Class / Severity:	Class B		
Receiver setup:	RBW=9kHz, VBW=30kH	7	
·	Frequency range	Limit (4D:1//)
Limit:	(MHz)	Quasi-peak	иви V)
	0.15-0.5	66 to 56*	0.15-0.5
	0.5-5	56	0.5-5
	5-30	60	5-30
	* Decreases with the logarity. 1. The E.U.T and simulations.	arithm of the frequency. ulators are connected to th	
Test procedure	 line impedance stabilization network (L.I.S.N.). It provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement. 		
Test setup:	LISN 40cm 80cm Filter AC power Equipment E.U.T EMI Receiver		
Test Instruments:	Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabiliza Test table height=0.8m Refer to section 5.9 for d		
Test mode:	Refer to section 5.3 for details.		
Test results:	Passed		
root roourto.	1 40004		



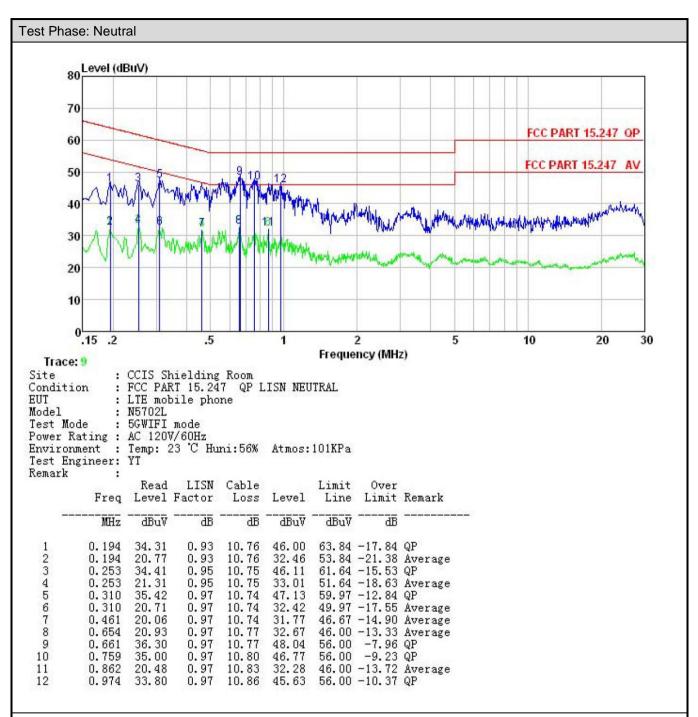
Measurement Data:



Notes:

- 1. An initial pre-scan was performed on the live and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.





Notes:

- 1. An initial pre-scan was performed on the live and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.





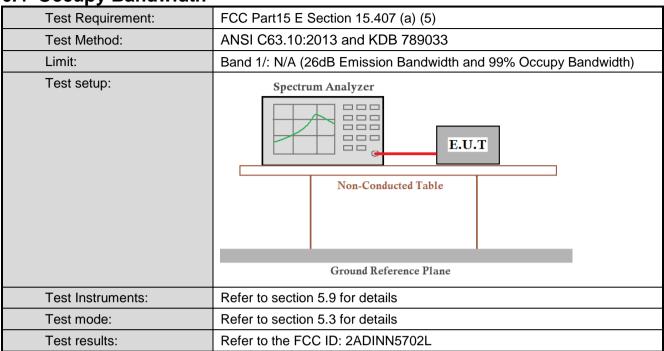
6.3 Conducted Output Power

Test Requirement:	FCC Part15 E Section 15.407 (a) (1) (iv)	
Test Method:	ANSI C63.10: 2013, KDB789033	
Limit:	Band 1: 24dBm	
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane	
Test Instruments:	Refer to section 5.9 for details	
Test mode:	Refer to section 5.3 for details	
Test results:	Refer to the FCC ID: 2ADINN5702L	





6.4 Occupy Bandwidth







6.5 Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407 (a) (1) (iv)	
Test Method:	ANSI C63.10:2013, KDB 789033	
Limit:	Band 1: 11 dBm/MHz	
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane	
Test Instruments:	Refer to section 5.9 for details	
Test mode:	Refer to section 5.3 for details	
Test results:	Refer to the FCC ID: 2ADINN5702L	

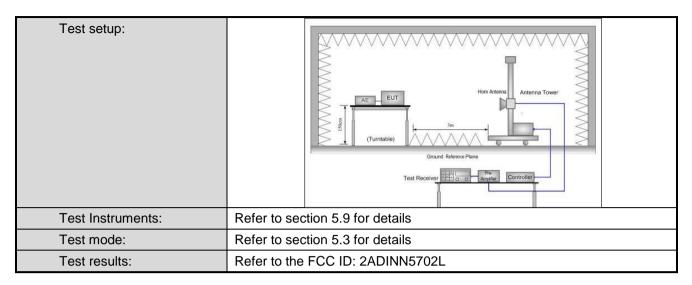


6.6 Band Edge

Test Requirement:	FCC Part 15 E Section 15.407 (b)					
Test Method:	ANSI C63.10:2013 , KDB 789033					
Receiver setup:	Detector	RBW	VBW	Remark		
'	Quasi-peak	120kHz	300kHz	Quasi-peak Value		
	RMS	1MHz	3MHz	Average Value		
Limit:	Band	Limit (dBu	ıV/m @3m)	Remark		
	Dand 1/2/2	68	3.20	Peak Value		
	Band 1/2/3	54	.00	Average Value		
	Band 4	78	3.20	Peak Value		
	Band 4 limit:	54	.00	Average Value		
	25 MHz above or b the band edge incr above or below the edge increasing line Remark: 1. Band 1/2/3 limit: E[dBµV/m] = EIR 2. Band 4 limit: E[dBµV/m] = EIR E[dBµV/m] = EIR	1. Band 1/2/3 limit: E[dBµV/m] = EIRP[dBm] + 95.2=68.2 dBuV/m, for EIPR[dBm]=-27dBm.				
Test Procedure:	 E[dBμV/m] = EIRP[dBm] + 95.2=122.2 dBuV/m, for EIPR[dBm]=27dBm. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasipeak or average method as specified and then reported in a data sheet. 					









6.7 Spurious Emission

6.7.1 Restricted Band

6.7.1 Restricted Band					
Test Requirement:	FCC Part15 E Section 15.407(b)				
Test Method:	ANSI C63.10: 2013				
Test Frequency Range:	4.5 GHz to 5.15 GHz and 5.35GHz to 5.46GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector			Remark
	Above 1GHz	Peak RMS	1MHz 1MHz	3MHz 3MHz	
Limit:	Frequency		it (dBuV/m @:		Remark
	Above 1GH		74.00		Peak Value
Test Procedure:	1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasipeak or average method as specified and then reported in a data sheet.				
		(Turntable)	Horn A Ground Reference Plane St Receiver Aergin	Antenna T	Tower
Test Instruments:	Refer to section 5.9 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Refer to the FCC ID: 2ADINN5702L				



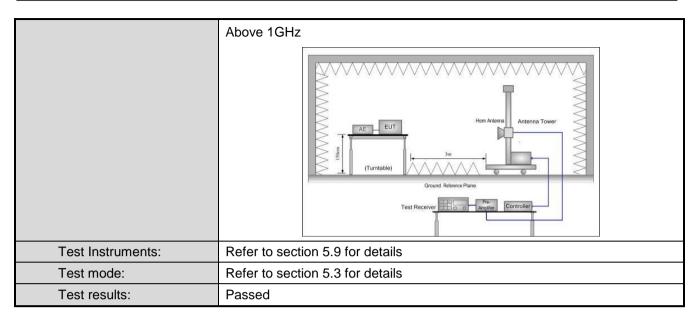


6.7.2 Unwanted Emissions out of the Restricted Bands

Test Method: ANSI C63.10: 2013 Test Frequency Range: Measurement Distance: 3m Receiver setup: Frequency Detector Frequency Detector RBW VBW Remark AND VBW Remark AND VBW Remark AND VBW Above 1GHz RMS 1MHz 3MHz Above 1GHz RMS 1MHz 3MHz AND AND AVAIUB AND AVAIUB Limit: Frequency Limit (dBuV/m @3m) Remark 30MHz-28MHz 43.5 Quasi-peak Value 216MHz-360MHz 43.5 Quasi-peak Value Above 1GHz 1MB AND AVAIUB	6.7.2 Unwanted Emissions out of the Restricted Bands							
Test site: Measurement Distance: 3m Receiver setup: Frequency Detector RBW VBW Remark 30MHz-1GHz Quasi-peak Value Above 1GHz RMS 1MHz 3MHz Peak Value Above 1GHz RMS 1MHz 3MHz Peak Value Above 1GHz RMS 1MHz 3MHz Peak Value Quasi-peak Value Above 1GHz RMS 1MHz 3MHz Above 1GHz RMS 1MHz 3MHz Above 1GHz RMS 1MHz 3MHz Above 1GHz Abov	Test Requirement:	FCC Part15 C Section 15.209 and 15.205						
Test site: Measurement Distance: 3m Receiver setup: Frequency Detector RBW VBW Remark 300MHz-1GHz Quasi-peak 100MHz 300MHz Quasi-peak Value Above 1GHz RMS 1MHz 30MHz Peak Value Average Value Remark 30MHz-88MHz 40.0 Quasi-peak Value 4	Test Method:	ANSI C63.10: 2013						
Frequency Detector RBW VBW Quasi-peak Value	Test Frequency Range:	30MHz to 40GH	30MHz to 40GHz					
SOMHz-1GHz Quasi-peak 100kHz 300kHz Quasi-peak Value Above 1GHz Peak 1MHz 3MHz Peak Value Above 1GHz RNIS 1MHz 3MHz Average Value RNIS 30MHz-88MHz 40.0 Quasi-peak Value 88MHz-216MHz 43.5 Quasi-peak Value 980MHz-16Hz 44.0 Quasi-peak Value 960MHz-16Hz 54.0 Quasi-peak Value 960MHz-16Hz 54.0 Quasi-peak Value Above 1GHz 68.20 Peak Value Above 1GHz 68.20 Peak Value Remark: Above 1GHz Minit: EldbyWim = EIRP(dBm] + 95.2-68.2 dBuVim, for EIPR(dBm]=27dBm. The EUT was placed on the top of a rotating table 0.8m(below 1GHz) 21.5m(above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.	Test site:	Measurement Distance: 3m						
Above 1GHz Deak 100kHz 300kHz Deak Value Above 1GHz Peak 1MHz 3MHz Peak Value RMS 1MHz 3MHz Average Value RMS 1MHz 3MHz Average Value Frequency Limit (dBUV/m @ 3m) Remark 300kHz-88MHz 40.0 Quasi-peak Value 88MHz-216MHz 43.5 Quasi-peak Value 216MHz-960MHz 46.0 Quasi-peak Value 960MHz-1GHz 54.0 Quasi-peak Value Above 1GHz 54.0 Quasi-peak Value Above 1GHz 54.00 Average Value Remark: Above 1GHz 54.00 Average Value Remark: Above 1GHz 100km 10	Receiver setup:	Frequency Detector RBW VBW Remark					Remark	
Limit: Frequency Limit (dBuV/m @3m) Remark 30MHz-88MHz 40.0 Quasi-peak Value 88MHz-216MHz 43.5 Quasi-peak Value 216MHz-960MHz 46.0 Quasi-peak Value 960MHz-16Hz 54.0 Quasi-peak Value Above 1GHz 54.0 Quasi-peak Value Above 1GHz 54.0 Quasi-peak Value Above 1GHz 16Mz 54.0 Quasi-peak Value Remark: Above 1GHz 16Mz 54.0 Quasi-peak Value Above 1GHz 16Mz 16Mz 16Mz 16Mz 16Mz 16Mz 16Mz 16M	·			100kHz	300kH		Quasi-peak Value	
Limit: Frequency		Above 1GHz						
30MHz-88MHz 40.0 Quasi-peak Value 88MHz-2-16MHz 43.5 Quasi-peak Value 216MHz-960MHz 46.0 Quasi-peak Value 960MHz-1GHz 54.0 Quasi-peak Value Above 1GHz 68.20 Peak Value Above 1GHz limit: 54.00 Average Value Above 1GHz limit: E[0ByVm] = EIRP[0Bm] + 95.2=68.2 dBuV/m, for EIPR[dBm]=-27dBm. Test Procedure: 1. The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotal table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. Test setup: Below 1GHz						1Hz		
B8MHz-216MHz	Limit:			,	3m)			
### Test Procedure: Test Procedure: Above 16Hz Abo								
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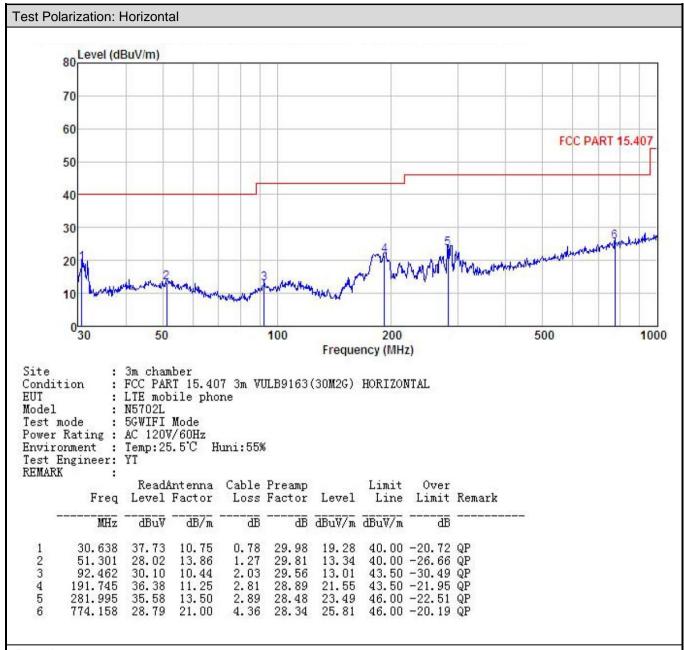






Measurement Data (worst case):

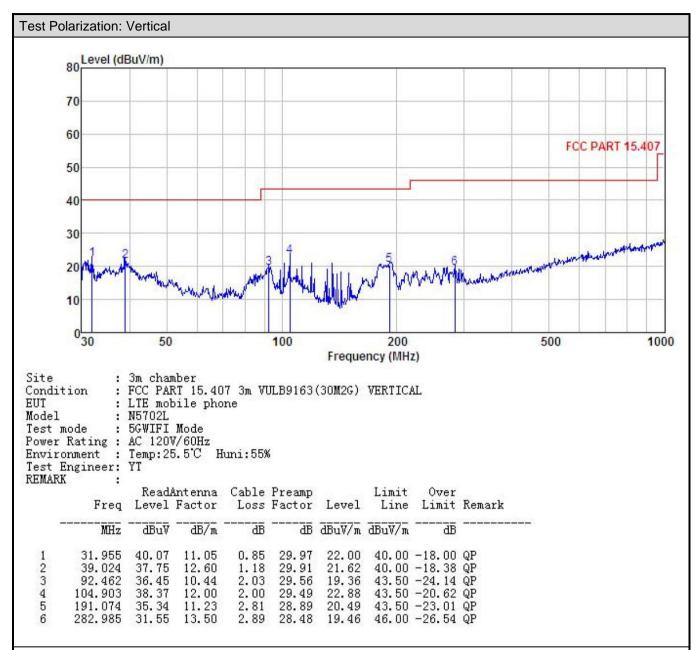
Below 1GHz



Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.





Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

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Above 1GHz

Refer to the FCC ID: 2ADINN5702L

Project No.: CCISE1805130

Report No: CCISE180513004





6.8 Frequency stability

old Frequency Stability			
Test Requirement:	FCC Part15 E Section 15.407 (g)		
Limit:	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.		
Test setup:	Temperature Chamber Spectrum analyzer EUT		
	Att.		
	V : 11 D . G . 1		
	Variable Power Supply		
Test procedure:	 Note: Measurement setup for testing on Antenna connector The EUT is installed in an environment test chamber with external power source. Set the chamber to operate at 50 centigrade and external power source to output at nominal voltage of EUT. A sufficient stabilization period at each temperature is used prior to each frequency measurement. When temperature is stabled, measure the frequency stability. The test shall be performed under -30 to 50 centigrade and 85 to 115 percent of the nominal voltage. Change setting of chamber and external power source to complete all conditions. 		
Test Instruments:	Refer to section 5.9 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Refer to the FCC ID: 2ADINN5702L		