

FCC RF Test Report

(LTE)

Report No.: JYTSZ-R12-2500094

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 Smart phone

Model No.: S6003L, X6 Plus

Trade Mark: NUU

FCC ID: 2ADINS6003L

Applicable Standards: FCC CFR Title 47 Part 2, 22H, 24E, 27L & F& H & N

Date of Sample Receipt: 23 Dec., 2024

Date of Test: 24 Dec., 2024 to 10 Jan., 2025

Date of Report Issued: 13 Jan., 2025

Test Result: PASS

Tested by:

P. bin. Gu
Project Engineer

Date:

13 Jan., 2025

Reviewed by:

Deto. Han
Senior Engineer

Date:

13 Jan., 2025

Approved by:

James Wei
Manager

Date:

13 Jan., 2025

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

1 Version

Version No.	Date	Description
00	13 Jan., 2025	Original

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3 General Information

3.1 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:	Room 502, Block B, Fuan Science & Technology Building, Gaoxin South 1 st Road, Nanshan District, Shenzhen, 518063 China.

3.2 General Description of E.U.T.

Product Name:	LTE Smart phone		
Model No.:	S6003L, X6 Plus		
Operation Frequency Range:	LTE band 2:	Tx: 1850 MHz - 1910 MHz	Rx: 1930 MHz - 1990 MHz
	LTE band 4:	Tx: 1710 MHz - 1755 MHz	Rx: 2110 MHz - 2155 MHz
	LTE band 5:	Tx: 824 MHz - 849 MHz	Rx: 869 MHz - 894 MHz
	LTE band 12:	Tx: 699 MHz - 716 MHz	Rx: 729 MHz - 746 MHz
	LTE band 13:	Tx: 777 MHz - 787 MHz	Rx: 746 MHz - 756 MHz
	LTE band 17:	Tx: 704 MHz - 716 MHz	Rx: 734 MHz - 746 MHz
	LTE band 66:	Tx: 1710 MHz - 1780 MHz	Rx: 2110 MHz - 2200 MHz
	LTE band 71:	Tx: 663 MHz - 698 MHz	Rx: 617 MHz - 652 MHz
Modulation Type:	<input checked="" type="checkbox"/> QPSK <input checked="" type="checkbox"/> 16QAM		
Antenna Type:	Internal Antenna		
Antenna Gain:	LTE band 2:	-1.0 dBi (declare by Applicant)	
	LTE band 4:	0 dBi (declare by Applicant)	
	LTE band 5:	0 dBi (declare by Applicant)	
	LTE band 12:	-1.5 dBi (declare by Applicant)	
	LTE band 13:	-1.0 dBi (declare by Applicant)	
	LTE band 17:	-1.5 dBi (declare by Applicant)	
	LTE band 66:	0 dBi (declare by Applicant)	
	LTE band 71:	-2.5 dBi (declare by Applicant)	
Power Supply:	Rechargeable Li-ion Polymer Battery DC3.8V, 3120mAh		
AC Adapter:	Model: A8A-050200U-US1 Input: AC100-240V, 50/60Hz, 0.35A Output: DC 5.0V, 2A		
Remark:	Model No.: S6003L, X6 Plus, were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being model name.		
Test Sample Condition:	The test samples were provided in good working order with no visible defects.		

3.3 Test Mode and Environment

Test Mode:	
QPSK mode:	Keep the EUT communication with simulated station in QPSK mode
16QAM mode:	Keep the EUT communication with simulated station in 16QAM mode
Remark: The EUT has been tested under continuous transmitting mode. Channel Low, Mid and High for each type band with rated data rate were chosen for full testing. The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for these modes. Just the worst case position (H mode) shown in report.	
Operating Environment:	
Temperature:	Normal: 15°C ~ 35°C, Extreme: -30°C ~ +50°C
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar
Voltage:	Nominal: 3.80Vdc, Extreme: Low 3.50Vdc, High 4.35Vdc
Test Engineer:	Real Chen(Radiated measurement)

3.4 Description of Test Auxiliary Equipment

Test Equipment	Manufacturer	Model No.	Serial No.
Simulated Station	Rohde & Schwarz	CMW500	108209

3.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Radiated Emission (30MHz ~ 200MHz) (3m SAC)	±4.6 dB
Radiated Emission (200MHz ~ 1000MHz) (3m SAC)	±5.8 dB
Radiated Emission (1GHz ~ 18GHz) (3m FAR)	5.15 dB
Radiated Emission (18GHz ~ 40GHz) (3m FAR)	5.30 dB
Note: All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.	

3.6 Additions to, Deviations, or Exclusions from the Method

No

3.7 Laboratory Facility

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

● **FCC - Designation No.: CN1211**

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

● **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen 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 L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

● **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 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>

3.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.
 Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.
 Tel: +86-755-23118282, Fax: +86-755-23116366
 Email: info-JYTee@lets.com, Website: <http://jyt.lets.com>

3.9 Test Instruments List

Radiated Emission(3m SAC):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	ETS	9m*6m*6m	WXJ001-1	04-14-2021	04-13-2026
Loop Antenna	Schwarzbeck	FMZB 1519 B	WXJ002-4	01-05-2024	01-04-2025
				12-25-2024	12-24-2024
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	01-09-2024	01-08-2025
				12-25-2024	12-24-2024
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	01-05-2024	01-04-2025
				12-25-2024	12-24-2024
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	12-28-2023	12-27-2024
				12-25-2024	12-24-2024
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	12-27-2023	12-26-2024
				12-16-2024	12-15-2025
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	12-27-2023	12-26-2024
				12-16-2024	12-15-2025
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-17-2024	01-16-2025
Test Software	Tonscend	TS+	Version: 3.0.0.1		

Radiated Emission(3m FAR):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m FAR	YUNYI	9m*6m*6m	WXJ097	06-15-2023	06-14-2028
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ097-2	07-01-2024	06-30-2025
Biconical Antenna	Schwarzbeck	VUBA9117	WXJ002-1	07-01-2024	06-30-2027
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ097-3	06-16-2024	06-15-2025
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-3	12-28-2023	12-27-2024
				12-25-2024	12-24-2025
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	12-28-2023	12-27-2024
				12-25-2024	12-24-2025
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-6	12-28-2023	12-27-2024
				12-25-2024	12-24-2025
Pre-amplifier (30MHz ~ 1GHz)	YUNYI	PAM-310N	WXJ097-5	04-24-2024	04-23-2025
Pre-amplifier (1GHz ~ 18GHz)	YUNYI	PAM-118N	WXJ097-6	04-24-2024	04-23-2025
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	12-28-2023	12-27-2024
				12-25-2024	12-24-2025
EMI Test Receiver	Rohde & Schwarz	ESCI3	WXJ003	12-27-2023	12-26-2024
				12-16-2024	12-15-2025
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-27-2023	12-26-2024
				12-16-2024	12-15-2025
Spectrum Analyzer	KEYSIGHT	N9020B	WXJ081-1	06-11-2024	06-10-2025
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-13M	WXG097-1	07-30-2024	07-29-2025
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG097-2	07-30-2024	07-29-2025
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG097-3	07-30-2024	07-29-2025
High Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Low Band Reject Filter Group	Tonscend	JS0806-F	WXJ097-4	N/A	
Test Software	Tonscend	TS+	Version: 5.0.0		

4 Measurement Setup and Procedure

4.1 Test Channel

According to ANSI C63.26-2015 chapter 5.1.2.1 Table 2 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

LTE band 2					
Channels		Frequency (MHz)	Channels		Frequency (MHz)
1.4 MHz			3 MHz		
Lowest channel	18607	1850.7	Lowest channel	18915	1851.5
Middle channel	18900	1880.0	Middle channel	18900	1880.0
Highest channel	19193	1909.3	Highest channel	19185	1908.5
5 MHz			10 MHz		
Lowest channel	18625	1852.5	Lowest channel	18650	1855.0
Middle channel	18900	1880.0	Middle channel	18900	1880.0
Highest channel	19175	1907.5	Highest channel	19150	1905.0
15 MHz			20 MHz		
Lowest channel	18675	1857.5	Lowest channel	18700	1860.0
Middle channel	18900	1880.0	Middle channel	18900	1880.0
Highest channel	19125	1902.5	Highest channel	19100	1900.0
LTE band 4					
Channels		Frequency (MHz)	Channels		Frequency (MHz)
1.4 MHz			3 MHz		
Lowest channel	19957	1710.7	Lowest channel	19965	1711.5
Middle channel	20175	1732.5	Middle channel	20175	1732.5
Highest channel	20393	1754.3	Highest channel	20385	1753.5
5 MHz			10 MHz		
Lowest channel	19975	1712.5	Lowest channel	20000	1715.0
Middle channel	20175	1732.5	Middle channel	20175	1732.5
Highest channel	20375	1752.5	Highest channel	20350	1750.0
15 MHz			20 MHz		
Lowest channel	20025	1717.5	Lowest channel	20050	1720.0
Middle channel	20175	1732.5	Middle channel	20175	1732.5
Highest channel	20325	1747.5	Highest channel	20300	1745.0
LTE band 5					
Channels		Frequency (MHz)	Channels		Frequency (MHz)
1.4 MHz			3 MHz		
Lowest channel	20407	824.7	Lowest channel	20415	825.5
Middle channel	20525	836.5	Middle channel	20525	836.5
Highest channel	20643	848.3	Highest channel	20635	847.5
5 MHz			10 MHz		
Lowest channel	20425	826.5	Lowest channel	20450	829.0
Middle channel	20525	836.5	Middle channel	20525	836.5
Highest channel	20625	846.5	Highest channel	20600	844.0

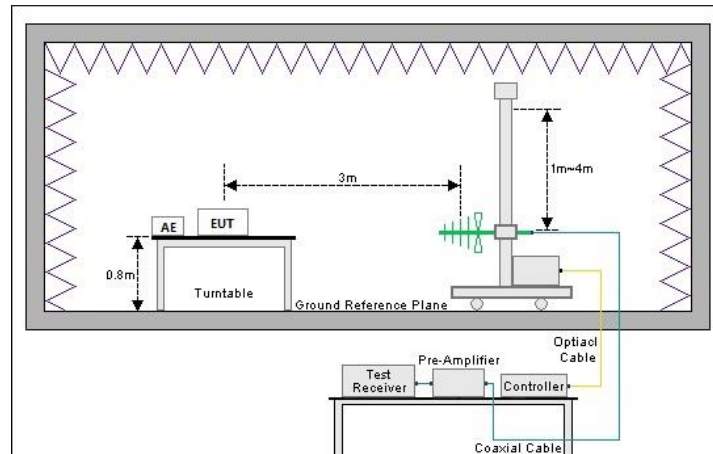
LTE band 12					
Channels		Frequency (MHz)	Channels		Frequency (MHz)
1.4 MHz			3 MHz		
Lowest channel	23017	699.70	Lowest channel	23025	700.50
Middle channel	23095	707.50	Middle channel	23095	707.50
Highest channel	23173	715.30	Highest channel	23165	714.50
5 MHz			10 MHz		
Lowest channel	23035	701.50	Lowest channel	23060	704.00
Middle channel	23095	707.50	Middle channel	23095	707.50
Highest channel	23155	713.50	Highest channel	23130	711.00
LTE band 13					
5 MHz			10 MHz		
Lowest channel	23205	779.5	Lowest channel	/	/
Middle channel	23230	782.0	Middle channel	23230	782.00
Highest channel	23255	784.5	Highest channel	/	/
LTE band 17					
5 MHz			10 MHz		
Lowest channel	23755	706.50	Lowest channel	23780	709.00
Middle channel	23790	710.00	Middle channel	23790	710.00
Highest channel	23825	713.50	Highest channel	23800	711.00

LTE band 66					
Channels			Frequency (MHz)		
1.4 MHz			3 MHz		
Lowest channel	131979	1710.7	Lowest channel	131987	1711.5
Middle channel	132322	1745.0	Middle channel	132322	1745.0
Highest channel	132665	1779.3	Highest channel	132657	1778.5
5 MHz			10 MHz		
Lowest channel	131997	1712.5	Lowest channel	132022	1715.0
Middle channel	132322	1745.5	Middle channel	132322	1745.0
Highest channel	132647	1777.5	Highest channel	132622	1775.0
15 MHz			20 MHz		
Lowest channel	132047	1717.5	Lowest channel	132072	1720.0
Middle channel	132322	1745.0	Middle channel	132322	1745.0
Highest channel	132597	1772.5	Highest channel	132572	1770.0
LTE band 71					
Channels			Frequency (MHz)		
5 MHz			10 MHz		
Lowest channel	133147	665.5	Lowest channel	133172	668.0
Middle channel	133297	680.5	Middle channel	133297	680.5
Highest channel	133447	695.5	Highest channel	133422	693.0
15 MHz			20 MHz		
Lowest channel	133197	670.5	Lowest channel	133222	673.0
Middle channel	133297	680.5	Middle channel	133297	680.5
Highest channel	133397	690.5	Highest channel	133372	688.0

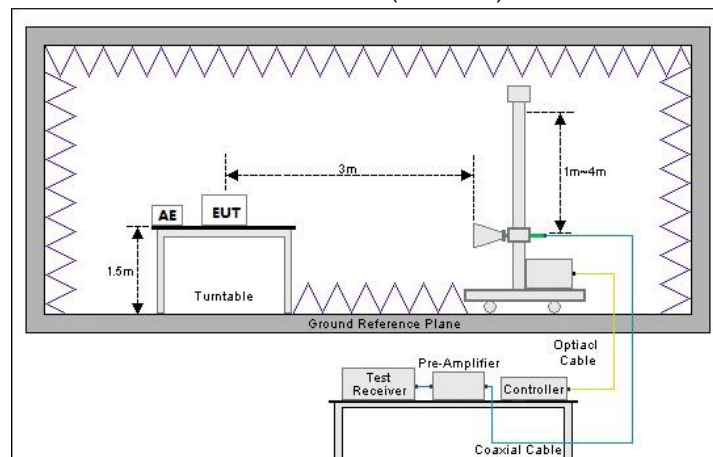
4.2 Test Setup

1) Radiated emission measurement:

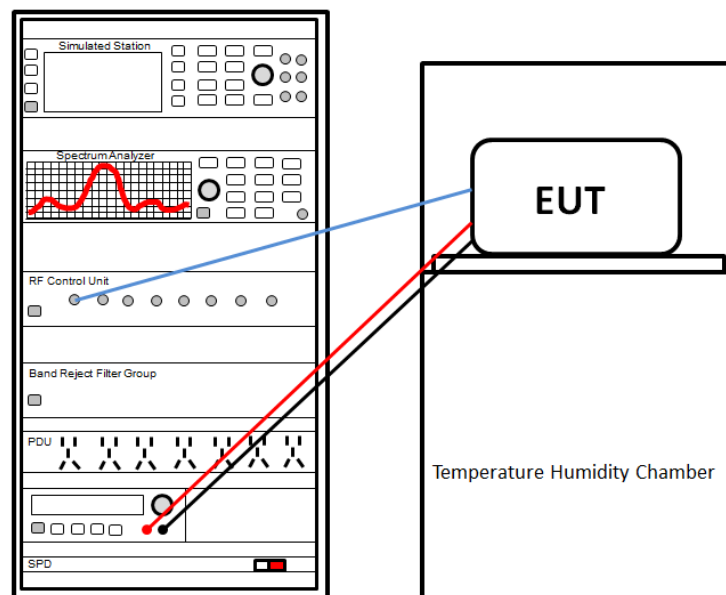
Below 1GHz (3m SAC)



Above 1GHz (3m FAR)



2) Conducted test method



4.3 Test Procedure

Test method	Test step
Radiated emission	<p>For below 1GHz:</p> <ol style="list-style-type: none"> 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. <p>For above 1GHz:</p> <ol style="list-style-type: none"> 1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
Conducted test method	<ol style="list-style-type: none"> 1. The LTE antenna port of EUT was connected to the test port of the test system through an RF cable. 2. The EUT is keeping in continuous transmission mode and tested in all modulation modes. 3. Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software.

5 Test Results

5.1 Summary

5.1.1 Clause and Data Summary

This report was amended on FCC ID: 2ADINS6003L follow FCC Class II Permissive Change. The original report: CCISE200503506, issued by Shenzhen Zhongjian Nanfang Testing Co., Ltd. The differences between them as below: Change the Chipset from MT6761V to MT8766V(Pin to Pin replacement CPU). Update factory address. So need to spot test Field Strength of Spurious Radiation.

Test items	Standard clause	Test data	Result
RF Exposure (SAR)	Part 1.1307 Part 2.1093	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.
RF Output Power	Part 2.1046 Part 22.913 (a)(5) Part 24.232 (c) Part 27.50 (c)(10) Part 27.50 (d)(4)	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.
Peak-to-Average Power Ratio	Part 24.232 (d) Part 27.50 (d)(5)	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.
Modulation Characteristics	Part 2.1047	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.
26dB Emission Bandwidth 99% Occupied Bandwidth	Part 2.1049	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.
Out of Band Emission at Antenna Terminals	Part 2.1051 Part 22.917 (a) Part 24.238 (a) Part 27.53 (g) Part 27.53 (c) Part 27.53 (h)	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.
Field Strength of Spurious Radiation	Part 2.1053 Part 22.917 (a) Part 24.238 (a) Part 27.53 (c) Part 27.53 (g) Part 27.53 (h)	See Section 5.2	Pass
Frequency Stability vs. Temperature	Part 2.1055 (a)(1)(b) Part 22.355 Part 24.235 Part 27.54	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.
Frequency Stability vs. Voltage	Part 2.1055 (d)(2) Part 22.355 Part 24.235 Part 27.54	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.	Please refer to FCC ID: 2ADINS6003L, report No.: CCISE200503506.

Remark:

1. Pass: The EUT complies with the essential requirements in the standard.
2. Please refer to report FCC ID: 2ADINS6003L, report No.: CCISE200503506 issue by Shenzhen Zhongjian Nanfang Testing Co., Ltd.
3. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (Fundamental Frequency below 1GHz)/1.0dB (Fundamental Frequency above 1GHz) (provided by the customer).

Test Method:

ANSI/TIA-603-E-2016
ANSI C63.26-2015

5.1.2 Test Limit

Test items	Limit																																
RF Output Power	LTE band 2: 2W EIRP LTE band 4/66: 1W EIRP LTE band 5: 7W ERP LTE band 12/13/17: 3W ERP LTE band 71: 3W ERP																																
Peak-to-Average Power Ratio	LTE band 2/4: The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB Other bands: N/A report only																																
Modulation Characteristics	N/A																																
26dB Emission Bandwidth 99% Occupied Bandwidth	N/A																																
Out of Band Emission at Antenna Terminals Field Strength of Spurious Radiation	LTE band 2, 4, 5, 12, 13, 17, 66, 71: The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.																																
Frequency Stability vs. Temperature Frequency Stability vs. Voltage	LTE band 2: The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. LTE band 4, 7, 12, 13, 17, 66, 71: The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation. LTE band 5: Except as otherwise provided in this part, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table C-1 of this section. <div>TABLE C-1—FREQUENCY TOLERANCE FOR TRANSMITTERS IN THE PUBLIC MOBILE SERVICES</div> <table><tr><th>Frequency range (MHz)</th><th>Base, fixed (ppm)</th><th>Mobile >3 watts (ppm)</th><th>Mobile ≤3 watts (ppm)</th></tr><tr><td>25 to 50</td><td>20.0</td><td>20.0</td><td>50.0</td></tr><tr><td>50 to 450</td><td>5.0</td><td>5.0</td><td>50.0</td></tr><tr><td>450 to 512</td><td>2.5</td><td>5.0</td><td>5.0</td></tr><tr><td>821 to 896</td><td>1.5</td><td>2.5</td><td>2.5</td></tr><tr><td>928 to 929</td><td>5.0</td><td>n/a</td><td>n/a</td></tr><tr><td>929 to 960</td><td>1.5</td><td>n/a</td><td>n/a</td></tr><tr><td>2110 to 2220</td><td>10.0</td><td>n/a</td><td>n/a</td></tr></table>	Frequency range (MHz)	Base, fixed (ppm)	Mobile >3 watts (ppm)	Mobile ≤3 watts (ppm)	25 to 50	20.0	20.0	50.0	50 to 450	5.0	5.0	50.0	450 to 512	2.5	5.0	5.0	821 to 896	1.5	2.5	2.5	928 to 929	5.0	n/a	n/a	929 to 960	1.5	n/a	n/a	2110 to 2220	10.0	n/a	n/a
Frequency range (MHz)	Base, fixed (ppm)	Mobile >3 watts (ppm)	Mobile ≤3 watts (ppm)																														
25 to 50	20.0	20.0	50.0																														
50 to 450	5.0	5.0	50.0																														
450 to 512	2.5	5.0	5.0																														
821 to 896	1.5	2.5	2.5																														
928 to 929	5.0	n/a	n/a																														
929 to 960	1.5	n/a	n/a																														
2110 to 2220	10.0	n/a	n/a																														

5.2 Field Strength of Spurious Radiation Measurement

Note: All bandwidths, modulation types and RB configurations were pretested, and it was found that minimum bandwidths, QPSK modulation and 1RB0 were the worst modes, and only the worst modes were reflected in the report.

LTE band 2 – 1.4 MHz bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3701.40	-61.19	-0.36	-61.55	-13.00	48.55	Vertical
5552.10	-60.72	4.16	-56.56	-13.00	43.56	Vertical
7402.00	-57.78	6.10	-51.68	-13.00	38.68	Vertical
3701.40	-59.71	-0.17	-59.88	-13.00	46.88	Horizontal
5552.10	-59.56	4.07	-55.49	-13.00	42.49	Horizontal
7402.00	-58.25	5.78	-52.47	-13.00	39.47	Horizontal
Middle channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-61.10	-1.01	-62.11	-13.00	49.11	Vertical
5640.00	-60.31	3.96	-56.35	-13.00	43.35	Vertical
7520.00	-57.46	5.55	-51.91	-13.00	38.91	Vertical
3760.00	-59.65	-0.56	-60.21	-13.00	47.21	Horizontal
5640.00	-59.97	4.14	-55.83	-13.00	42.83	Horizontal
7520.00	-58.32	5.56	-52.76	-13.00	39.76	Horizontal
Highest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3816.60	-61.57	-0.59	-62.16	-13.00	49.16	Vertical
5724.90	-60.10	3.42	-56.68	-13.00	43.68	Vertical
7633.20	-57.35	6.40	-50.95	-13.00	37.95	Vertical
3816.60	-59.80	-0.10	-59.90	-13.00	46.90	Horizontal
5724.90	-60.34	3.80	-56.54	-13.00	43.54	Horizontal
7633.20	-58.56	6.24	-52.32	-13.00	39.32	Horizontal
Remark:						
1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

-----End of report-----