

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Report No: CCISE181205404

FCC REPORT (BLE)

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.: N6201L, G4

Trade mark: NUU

FCC ID: 2ADINN6201L

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: 14 Dec., 2018

Date of Test: 14 Dec., to 22 Dec., 2018

Date of report issued: 25 Dec., 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.

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2 Version

| Version No. | Date | Description |
|-------------|---------------|-------------|
| 00 | 25 Dec., 2018 | Original |
| | | |
| | | |
| | | |
| | | |

Tested by: Over them Date: 25 Dec., 2018

Test Engineer

Reviewed by: Date: 25 Dec., 2018

Project Engineer



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4 Test Summary

| Test Items | Section in CFR 47 | Result |
|---|-------------------------------|--------|
| Antenna requirement | 15.203 & 15.247 (c) | Pass |
| AC Power Line Conducted Emission | 15.207 | Pass |
| Conducted Peak Output Power | 15.247 (b)(3) | Pass |
| 6dB Emission Bandwidth 99% Occupied Bandwidth | 15.247 (a)(2) | Pass |
| Power Spectral Density | 15.247 (e) | Pass |
| Band Edge | 15.247 (d) | Pass |
| Spurious Emission | 15.205 & 15.209 | Pass |
| Pass: The EUT complies with the essential | requirements in the standard. | • |

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 Smart phone |
|------------------------|--|
| Model No.: | N6201L, G4 |
| Operation Frequency: | 2402-2480 MHz |
| Channel numbers: | 40 |
| Channel separation: | 2 MHz |
| Modulation technology: | GFSK |
| Data speed : | 1Mbps |
| Antenna Type: | Internal Antenna |
| Antenna gain: | 2.0 dBi |
| Power supply: | Rechargeable Li-ion Battery DC 3.85V, 3750mAh |
| AC adapter: | Model: HJ-FC001K7-US |
| | Input: AC100-240V, 50/60Hz, 0.6A |
| | Output: DC 5.0V, 2000mA / DC 9.0V, 2000mA |
| Test Sample Condition: | The test samples were provided in good working order with no visible defects. |
| Remark: | N6201L, G4 were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being model name and for different areas , They all have two memory configurations, 1:6G(RAM) + 64G(ROM); 2: 6G(RAM) + 128G(ROM). |



| Operation | Operation Frequency each of channel | | | | | | |
|-----------|-------------------------------------|---------|-----------|---------|-----------|---------|-----------|
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 0 | 2402MHz | 10 | 2422MHz | 20 | 2442MHz | 30 | 2462MHz |
| 1 | 2404MHz | 11 | 2424MHz | 21 | 2444MHz | 31 | 2464MHz |
| 2 | 2406MHz | 12 | 2426MHz | 22 | 2446MHz | 32 | 2466MHz |
| 3 | 2408MHz | 13 | 2428MHz | 23 | 2448MHz | 33 | 2468MHz |
| 4 | 2410MHz | 14 | 2430MHz | 24 | 2450MHz | 34 | 2470MHz |
| 5 | 2412MHz | 15 | 2432MHz | 25 | 2452MHz | 35 | 2472MHz |
| 6 | 2414MHz | 16 | 2434MHz | 26 | 2454MHz | 36 | 2474MHz |
| 7 | 2416MHz | 17 | 2436MHz | 27 | 2456MHz | 37 | 2476MHz |
| 8 | 2418MHz | 18 | 2438MHz | 28 | 2458MHz | 38 | 2478MHz |
| 9 | 2420MHz | 19 | 2440MHz | 29 | 2460MHz | 39 | 2480MHz |

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. Channel No. 0, 20 & 39 were selected as Lowest, Middle and Highest channel.

5.3 Test environment and test mode

| 24.0 °C |
|---|
| 54 % RH |
| 1010 mbar |
| |
| Keep the EUT in continuous transmitting with modulation |
| |

The sample was placed 0.8m (below 1GHz)/1.5m (above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. Duty cycle setting during the transmission is 100% with maximum power setting for all modulations.

5.4 Description of Support Units

The EUT has been tested as an independent unit.

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) |



5.6 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

5.7 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 Tel: +86-755-23118282, Fax: +86-755-23116366

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



5.8 Test Instruments list

| Radiated Emission: | | | | | | |
|--------------------|-----------------|---------------|--------------------|------------------|---------------|--|
| Test Equipment | Manufacturer | Model No. | Serial No. | Cal. Date | Cal. Due date | |
| Toot Equipment | mana aota o | inouor rior | Oorian itoi | (mm-dd-yy) | (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 | |
| Horn Antenna | SCHWARZBECK | BBHA9120D | 1805 | 06-22-2017 | 06-21-2020 | |
| Horn Antenna | SCHWARZBECK | BBHA 9170 | BBHA9170582 | 11-21-2018 | 11-20-2019 | |
| EMI Test Software | AUDIX | E3 | Version: 6.110919b | | b | |
| 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 | |
| Spectrum analyzer | Rohde & Schwarz | FSP40 | 100363 | 11-21-2018 | 11-20-2019 | |
| 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 | |
| RF Switch Unit | MWRFTEST | MW200 | N/A | N/A | N/A | |
| Test Software | MWRFTEST | MTS8200 | | Version: 2.0.0.0 | | |

| 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 | 07-21-2018 | 07-20-2019 |
| Cable | HP | 10503A | N/A | 03-07-2018 | 03-06-2019 |
| EMI Test Software | AUDIX | E3 | V | ersion: 6.110919/ | b |



6 Test results and Measurement Data

6.1 Antenna requirement:

Standard requirement: FCC Part 15 C Section 15.203 /247(b)

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.

15.247(b) (4) requirement:

(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

E.U.T Antenna:

The BLE antenna is an Internal antenna which cannot replace by end-user, the best-case gain of the antenna is 2.0 dBi.





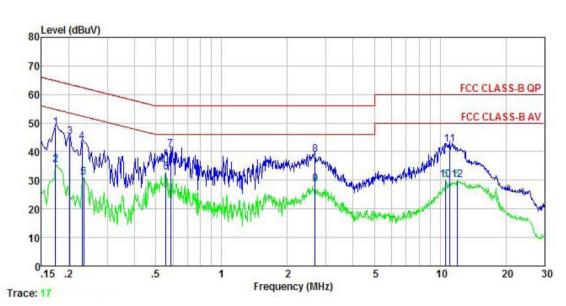
6.2 Conducted Emission

| Test Requirement: | FCC Part 15 C Section 15 | .207 | |
|-----------------------|--|------------|-----------|
| Test Method: | ANSI C63.10: 2013 | | |
| Test Frequency Range: | 150 kHz to 30 MHz | | |
| Class / Severity: | Class B | | |
| Receiver setup: | RBW=9kHz, VBW=30kHz | | |
| Limit: | , | Limit | (dBuV) |
| Ellint. | Frequency range (MHz) | Quasi-peak | Average |
| | 0.15-0.5 | 66 to 56* | 56 to 46* |
| | 0.5-5 | 56 | 46 |
| | 5-30 | 60 | 50 |
| | * Decreases with the logar | | |
| Test procedure | The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), which 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 C63.4: 2014 on conducted measurement. | | |
| Test setup: | Reference Plane LISN 40cm 80cm Filter AC power Equipment Test table/Insulation plane Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m | | |
| Test Instruments: | Refer to section 5.8 for details | | |
| Test mode: | Refer to section 5.3 for details | | |
| Test results: | Passed | | |



Measurement Data:

| Product name: | LTE Smart phone | Product model: | N6201L |
|-----------------|------------------|----------------|-----------------------|
| Test by: | Carey | Test mode: | BLE Tx mode |
| Test frequency: | 150 kHz ~ 30 MHz | Phase: | Line |
| Test voltage: | AC 120 V/60 Hz | Environment: | Temp: 22.5℃ Huni: 55% |



Remark

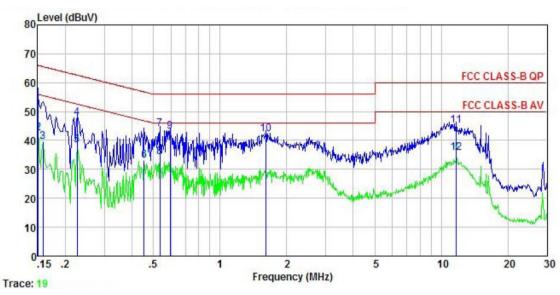
| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | | Remark |
|---|--------|---------------|----------------|---------------|-------|---------------|-----------|---------|
| | MHz | dBu∜ | ₫B | ₫B | dBu₹ | dBu∜ | <u>ab</u> | |
| 1 | 0.174 | 37.36 | 0.16 | 10.77 | 48.29 | 64.77 | -16.48 | QP |
| 2 | 0.174 | 24.52 | 0.16 | 10.77 | 35.45 | 54.77 | -19.32 | Average |
| 3 | 0.202 | 34.16 | 0.15 | 10.76 | 45.07 | 63.54 | -18.47 | QP |
| 1 2 3 4 5 6 7 8 9 | 0.230 | 32.47 | 0.14 | 10.75 | 43.36 | 62.44 | -19.08 | QP |
| 5 | 0.234 | 20.13 | 0.14 | 10.75 | 31.02 | 52.30 | -21.28 | Average |
| 6 | 0.555 | 21.77 | 0.12 | 10.76 | 32.65 | 46.00 | -13.35 | Average |
| 7 | 0.585 | 29.93 | 0.12 | 10.76 | 40.81 | 56.00 | -15.19 | QP |
| 8 | 2.678 | 27.75 | 0.16 | 10.93 | 38.84 | 56.00 | -17.16 | QP |
| 9 | 2.678 | 17.68 | 0.16 | 10.93 | 28.77 | 46.00 | -17.23 | Average |
| 10 | 10.620 | 18.87 | 0.32 | 10.93 | 30.12 | 50.00 | -19.88 | Average |
| 11 | 11.021 | 31.38 | 0.32 | 10.93 | 42.63 | | -17.37 | |
| 12 | 11.933 | 18.82 | 0.32 | 10.92 | 30.06 | 50.00 | -19.94 | Average |

Notes:

- 1. An initial pre-scan was performed on the line 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.



| Product name: | LTE Smart phone | Product model: | N6201L |
|-----------------|------------------|----------------|-----------------------|
| Test by: | Carey | Test mode: | BLE Tx mode |
| Test frequency: | 150 kHz ~ 30 MHz | Phase: | Neutral |
| Test voltage: | AC 120 V/60 Hz | Environment: | Temp: 22.5℃ Huni: 55% |
| | · | | - |



| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----------------------------|--------|---------------|----------------|---------------|-------|---------------|---------------|-----------------|
| | MHz | dBu∀ | ₫B | ₫B | dBu∀ | dBu₹ | <u>d</u> B | |
| 1 | 0.150 | 42.84 | 0.99 | 10.78 | 54.61 | 66.00 | -11.39 | QP |
| 2 | 0.151 | 30.65 | 0.99 | 10.78 | 42.42 | 55.96 | -13.54 | Average |
| 2 | 0.158 | 27.68 | 0.98 | 10.77 | 39.43 | | | Average |
| 4 | 0.226 | 36.19 | 0.94 | 10.75 | 47.88 | | -14.73 | |
| 4 5 6 7 8 9 | 0.226 | 26.71 | 0.94 | 10.75 | 38.40 | 52.61 | -14.21 | Average |
| 6 | 0.454 | 21.48 | 0.97 | 10.74 | 33.19 | | | Average |
| 7 | 0.535 | 32.12 | 0.97 | 10.76 | 43.85 | | -12.15 | |
| 8 | 0.535 | 22.46 | 0.97 | 10.76 | 34.19 | | | Average |
| 9 | 0.595 | 31.44 | 0.97 | 10.77 | 43.18 | | -12.82 | |
| 10 | 1.610 | 30.42 | 0.98 | 10.93 | 42.33 | | -13.67 | C. (1. 5) Y. D. |
| 11 | 11.683 | 33.36 | 0.97 | 10.92 | 45.25 | | -14.75 | |
| 12 | 11.683 | 23.79 | 0.97 | 10.92 | 35.68 | | | Average |

Notes:

- 1. An initial pre-scan was performed on the line 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

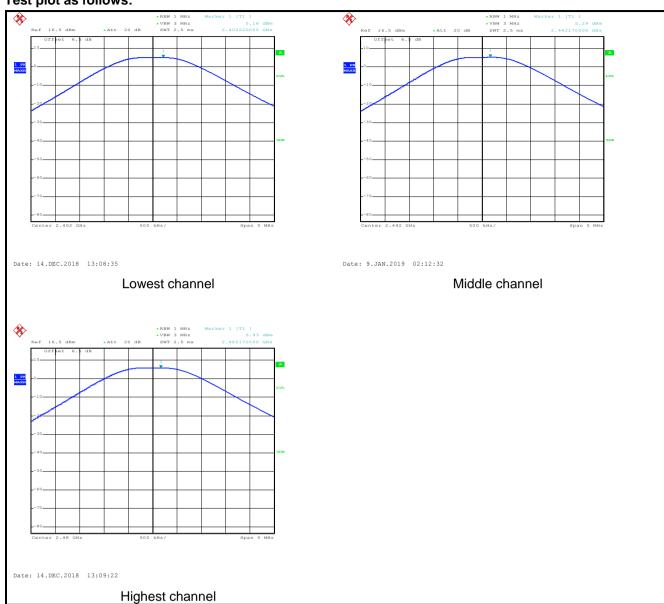
| Test Requirement: | FCC Part 15 C Section 15.247 (b)(3) |
|-------------------|---|
| Test Method: | ANSI C63.10:2013 and KDB 558074 |
| Limit: | 30dBm |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane |
| Test Instruments: | Refer to section 5.8 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |

Measurement Data:

| Test CH | Maximum Conducted Output Power (dBm) | Limit(dBm) | Result |
|---------|--------------------------------------|------------|--------|
| Lowest | 5.16 | | |
| Middle | 5.29 | 30.00 | Pass |
| Highest | 5.93 | | |



Test plot as follows:





6.4 Occupy Bandwidth

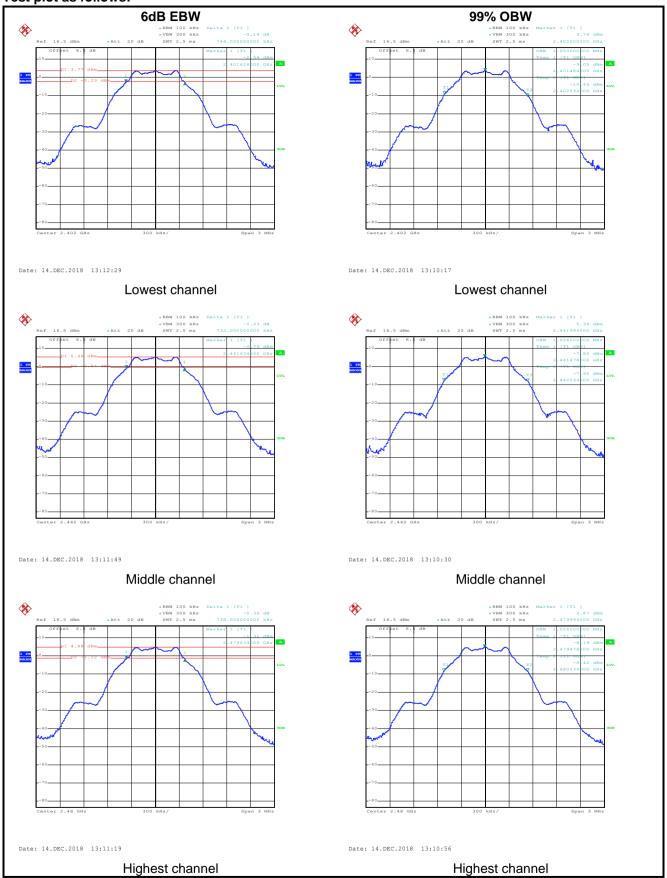
| Test Requirement: | FCC Part 15 C Section 15.247 (a)(2) |
|-------------------|---|
| Test Method: | ANSI C63.10:2013 and KDB 558074 |
| Limit: | >500kHz |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane |
| Test Instruments: | Refer to section 5.8 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |

Measurement Data:

| Test CH | 6dB Emission Bandwidth (MHz) | Limit(kHz) | Result |
|---------|------------------------------|------------|--------|
| Lowest | 0.744 | | |
| Middle | 0.732 | >500 | Pass |
| Highest | 0.738 | | |
| Test CH | 99% Occupy Bandwidth (MHz) | Limit(kHz) | Result |
| Lowest | 1.050 | | |
| Middle | 1.056 | N/A | N/A |
| Highest | 1.056 | | |



Test plot as follows:





6.5 Power Spectral Density

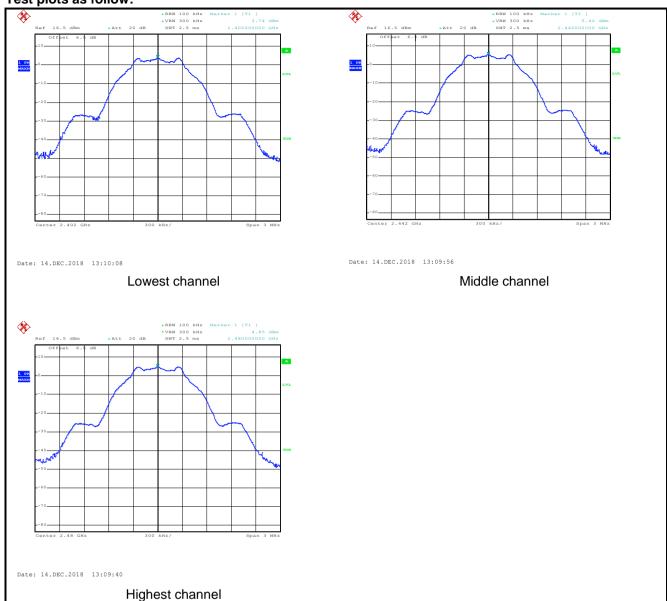
| Test Requirement: | FCC Part 15 C Section 15.247 (e) |
|-------------------|---|
| Test Method: | ANSI C63.10:2013 and KDB 558074 |
| Limit: | 8 dBm |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane |
| Test Instruments: | Refer to section 5.8 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |

Measurement Data:

| Test CH | Power Spectral Density (dBm) | Limit(dBm) | Result |
|---------|------------------------------|------------|--------|
| Lowest | 3.74 | | |
| Middle | 5.42 | 8.00 | Pass |
| Highest | 4.85 | | |



Test plots as follow:





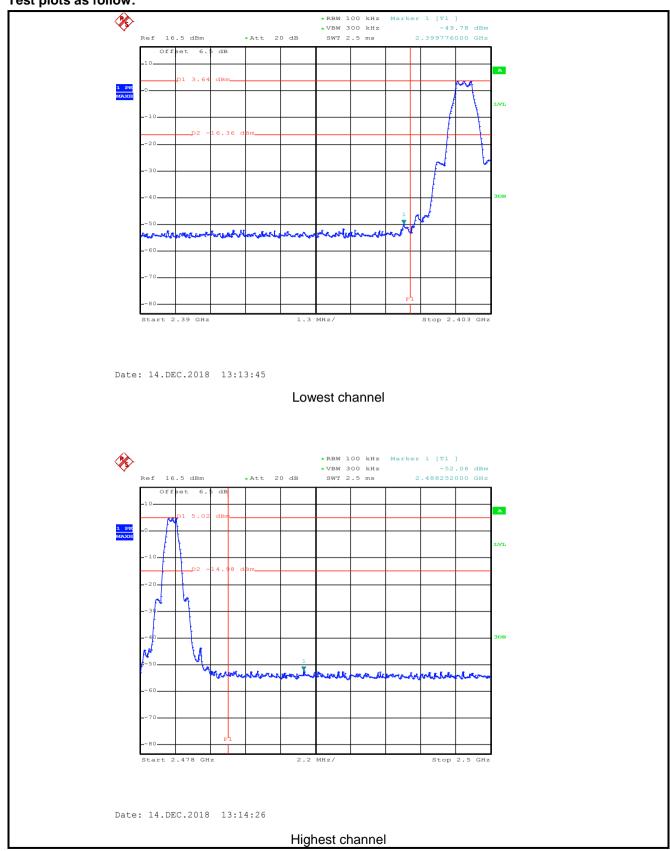
6.6 Band Edge

6.6.1 Conducted Emission Method

| Test Requirement: | FCC Part 15 C Section 15.247 (d) |
|-------------------|---|
| Test Method: | ANSI C63.10:2013 and KDB 558074 |
| Limit: | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. |
| Test setup: | |
| | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane |
| Test Instruments: | Refer to section 5.8 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |



Test plots as follow:





6.6.2 Radiated Emission Method

| Test Method: ANSI C63.10: 2013 and KDB 558074 Test Frequency Range: 2.3GHz to 2.5GHz Test Distance: 3m Receiver setup: Frequency Above 1GHz RMS 1MHz 3MHz 1MHz 3MHz 1MHz 3MHz 1MHz 1MHz 3MHz 1MHz 1MHz 1MHz 1MHz 1MHz 1MHz 1MHz 1 | 6.6.2 | Radiated Emission N | nethod | | | | | | |
|--|-------|-----------------------|--|---|---|--|--|--|---|
| Test Distance: Test Distance: 3m | | Test Requirement: | FCC Part 15 C | Section 1 | 5.20 | 5 and 15.209 | | | |
| Test Distance: Receiver setup: Frequency | | Test Method: | ANSI C63.10: | 2013 and | KDE | 3 558074 | | | |
| Peak 1MHz 3MHz Peak Value Peak 1MHz 3MHz Peak Value Frequency Limit (dBuV/m @3m) Remark Above 1GHz 74.00 Peak Value 74.00 Peak Value Peak Va | | Test Frequency Range: | 2.3GHz to 2.5 | GHz | | | | | |
| Limit: Frequency Limit (JBUV/m @3m) Remark Above 1GHz Frequency Limit (JBUV/m @3m) Remark Above 1GHz Above 1GHz 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 10 dB lower than the limit specified, then testing could be stopped and the peak value of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quas peak or average method as specified and then reported in a data sheet. | | Test Distance: | 3m | | | | | Average Average table 1.5 m was rotated 3 ation. Interference-ra variable-har to four meters of the field the antenna arranged to 10 degrees t | |
| Limit: Frequency Limit (dBuV/m@3m) Remark Above 1GHz 54.00 Average 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 antenn 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 10 dB lower than the limit specified, then testing could be stopped and the peak value of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quas peak or average method as specified and then reported in a data sheet. | | Receiver setup: | Frequency | | | | | MHz MHz Ave Potable 1.5 as rotate tion. erference variable- to four mof the fie he anteni degrees from degrees from degrees from the fier he are the complex arranged and the emission of the ped and | |
| Limit: Frequency | | | Above 1GHz | | | | | | |
| 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 antenn 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 10 dB lower than the limit specified, then testing could be stopped and the peak value of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quas peak or average method as specified and then reported in a data sheet. | | I imit· | Freguer | | | | | IVII IZ | |
| 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 antenn 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 10 dB lower than the limit specified, then testing could be stopped and the peak value of the EUT would be re-tested one by one using peak, quas peak or average method as specified and then reported in a data sheet. Test setup: | | | • | _ | | | , | A | |
| 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 antenn 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 10 dB lower than the limit specified, then testing could be stopped and the peak value of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quas peak or average method as specified and then reported in a data sheet. Test setup: | | | | | | | | 3MHz 3MHz Ave Ave Per grable 1.5 was rotated ation. Interference a variable-her to four mer e of the field the antenn arranged the arranged the arranged the arranged the code. In the degrees to be degrees to be degrees to be degree and the emission by one using the reporter. | |
| Horn Antenna Tower Section Control Cont | | | the groun to determ 2. The EUT antenna, tower. 3. The anter the groun Both hori: make the 4. For each case and meters are to find the 5. The test-I Specified 6. If the emit the limit is of the EU have 10 ce peak or a second to determ the second the EU have 10 ce peak or a second to determ the second the EU have 10 ce peak or a second to determ the second the se | ad at a 3 m nine the pos was set 3 which was nna height ad to deterr zontal and measuren suspected then the a nd the rota e maximum receiver sy Bandwidth ssion level specified, th T would be dB margin | eter of sition meter of sition meter of mounts of the meter of the meter of the meter of the ment of the erep would | camber. The tall of the highest of the highest ers away from the inted on the top aried from one in the maximum vical polarizations assion, the EUT in a was turned from the example of the EUT in peak esting could be orted. Otherwised be re-tested of the state of the interview of the example | ble waradiane into of a neter value s of the common modern | as rotate tion. erference variable to four of the fine ante arrange ghts from degrees etect Funde. e was 1 ped ance emissing y one u | ted 360 degrees ce-receiving e-height antenna meters above ield strength. nna are set to d to its worst n 1 meter to 4 s to 360 degrees nction and 0 dB lower than d the peak values ons that did not sing peak, quasi- |
| | | Test setup: | 150cm | urntable) | Ground I | 3m Reference Plane | | Tower S | |
| Test Instruments: Refer to section 5.8 for details | | Test Instruments: | Refer to section | on 5.8 for d | letails | S | | | |
| Test mode: Refer to section 5.3 for details | | Test mode: | Refer to section | on 5.3 for d | letails | S | | | |
| Test results: Passed | | Test results: | Passed | | | | | | |



| Product Name: | : LT | E Smart p | hone | | P | roduct M | odel: | N620 |)1L | |
|---------------|----------------------|----------------|-------------------|---------------|------------------|------------|---------------|---------------|-----------------|-----------|
| Test By: | Ca | Carey | | | | est mode | : | BLE | Tx mode | |
| Test Channel: | Lo | west chan | nel | | P | olarizatio | n: | Vertic | cal | |
| Test Voltage: | AC | 120/60Hz | <u>.</u> | | E | invironme | ent: | Temp | o: 24 ℃ | Huni: 57% |
| | <u>.</u> | | | | • | | | • | | |
| 110L | .evel (dBuV/m) | | | | | | | | | |
| 100 | | | | | | | | | | |
| | | | | | | | | | | |
| 80 | | | | | | | | FC | C PART 15 | (Pf6) |
| 60 | | | | | | | | | | 1 |
| - | mann | mm | m. mm | m | mm | Mary | ~~~~ | FC | C PART 15 | (AV) |
| 40 | | | | | | • | | | 2 | |
| | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 0 | | | | | | | | | | |
| 02 | 2310 2320 | | | 2350 Fre | 0 equency (M | Hz) | | | | 2404 |
| REMAR | RK : | | | | | | | | | |
| | | Read! Level | Intenna Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | | |
| | MHz | dBm | dB/m | ₫B | dB | dBm/m | dBm/m | <u>dB</u> | | |
| 1 | 2390.000 2390.000 | | 27.37 27.37 | 4.69 4.69 | | 48.71 | | | Peak Average | |

- 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.

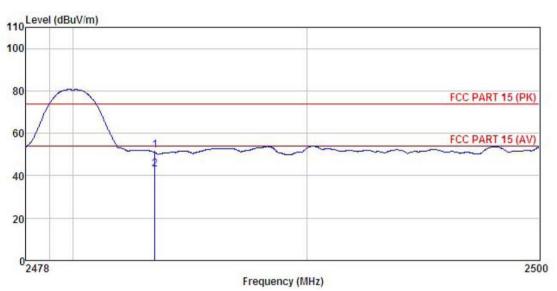


| Product Name: | LTE S | Smart phor | ne | | Produ | uct Model | : N | 6201L | |
|---------------|-------------|------------|--------|-------|------------|-----------|-----------|-----------|--------------|
| Test By: | Carey | / | | | Test | mode: | В | LE Tx mo | de |
| Test Channel: | Lowe | st channel | | | Polar | ization: | Н | orizontal | |
| Test Voltage: | AC 12 | 20/60Hz | | | Envir | onment: | Т | emp: 24℃ | Huni: 57% |
| | | | | | | | | | |
| 110 Leve | el (dBuV/m) | | | | | | | | |
| 100 | | | | | | | | | |
| | | | | | | | | | |
| 80 | | | | | | | | FCC F | PART 15 (PR) |
| | | | | | | | | | |
| 60 | 200 | | | Λ. | | 0.0 | 11 -021 - | FCC F | PART 15 (AV) |
| 40 | ~~. ~ | ~~~ | ~~ | VIV | ww | MY | who | | V-20 |
| 40 | | | | | | | | | |
| 20 | | | | | | | | | |
| | | | | | | | | | |
| 02310 | 2320 | | | 2350 | | | | | 2404 |
| | | | | Freq | uency (MHz |) | | | |
| REMARK | : | ReadA | ntenna | Cable | Preamp | | Limit | Over | |
| | Freq | | | | Factor | | | | Remark |
| | MHz | dBm | dB/π | | <u>dB</u> | dBm/m | dBm/m | <u>dB</u> | |
| | 390.000 | 14.79 | 27.37 | | | 48.53 | 74.00 | -25.47 | Peak |
| 2 2 | 390.000 | 5.85 | 27.37 | 4.69 | 0.00 | 39, 59 | 54.00 | -14.41 | Average |

- 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.



| Product Name: | LTE Smart phone | Product Model: | N6201L |
|---------------|-----------------|----------------|---------------------|
| Test By: | Carey | Test mode: | BLE Tx mode |
| Test Channel: | Highest channel | Polarization: | Vertical |
| Test Voltage: | AC 120/60Hz | Environment: | Temp: 24℃ Huni: 57% |
| | | | |



| REMARK | - 1 | Pood | Antenna | Coblo | Droome | | Limit | Over | |
|--------|----------------------|---------------|----------------|--------------|-----------|----------------|--------|-----------|-----------------|
| | Freq | | Factor | | | | | | Remark |
| - | MHz | dBm | <u>dB</u> /m | <u>dB</u> | <u>dB</u> | _dBm/m | _dBm/m | <u>dB</u> | |
| | 2483.500 2483.500 | 17.99 9.03 | 27.57 27.57 | 4.81 4.81 | | 52.07 43.11 | | | Peak Average |

- 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.



| Product Name: | LTE Smart phone | | Prod | luct Mode | el: | N6201L | | |
|--------------------|-----------------|------------------------|-------------|-----------|-------|------------------|-----------------|-----------|
| Test By: | Carey | | Test | mode: | | BLE Tx m | ode | |
| Test Channel: | Highest channel | | Pola | rization: | | Horizontal | | |
| Test Voltage: | AC 120/60Hz | | Envi | ronment: | - | Temp: 24° | C F | luni: 57% |
| 110 Level (dBu | V/m) | | | | | | | |
| 80 | 1 | | | | | FCC | PART 15 (F | PK) |
| 40 | | | | | | FCC | PART 15 (A | |
| 02478 | | Freq | juency (MH: | z) | | | | 2500 |
| REMARK | Freq Level Fa | | Factor | | | Limit | Remark | |
| | MHz dBm | dB/m dB | dB | dBm/m | dBm/m | dB | | |
| 1 2483. 2 2483. | | 7.57 4.81 7.57 4.81 | | | | -21.25 -10.14 | Peak Average | |

- 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.



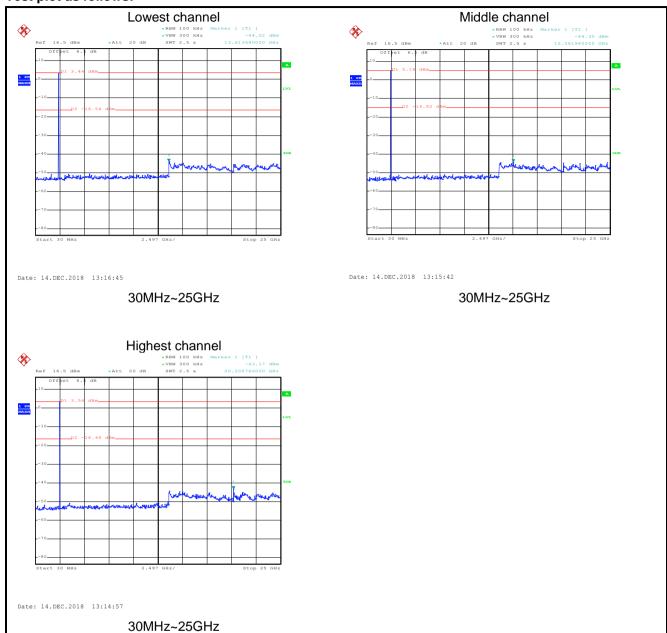
6.7 Spurious Emission

6.7.1 Conducted Emission Method

| Test Requirement: | FCC Part 15 C Section 15.247 (d) |
|-------------------|---|
| Test Method: | ANSI C63.10:2013 and KDB 558074 |
| Limit: | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane |
| Test Instruments: | Refer to section 5.8 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |



Test plot as follows:

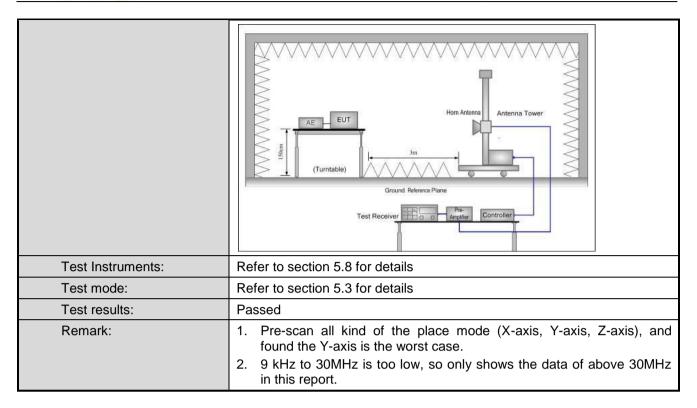




6.7.2 Radiated Emission Method

| 6.7.2 Radiated Emission N | | | | | | | |
|---------------------------|--|---|--|---|---|--|---|
| Test Requirement: | FCC Part 15 C | Section 15. | .205 | and 15.209 | | | |
| Test Method: | ANSI C63.10:20 |)13 | | | | | |
| Test Frequency Range: | 9kHz to 25GHz | | | | | | |
| Test Distance: | 3m | | | | | | |
| Receiver setup: | Frequency | Detector | r | RBW | VB | sW | Remark |
| · | 30MHz-1GHz | Quasi-pea | ak | 120KHz | 300 | KHz | Quasi-peak Value |
| | Above 1GHz | Peak | | 1MHz | 3M | | Peak Value |
| | | RMS | | 1MHz | 3M | Hz | Average Value |
| Limit: | Frequency | | Lim | nit (dBuV/m @ | !3m) | | Remark |
| | 30MHz-88M 88MHz-216M | | | 40.0 43.5 | | | Quasi-peak Value Quasi-peak Value |
| | 216MHz-960N | | | 46.0 | | | Quasi-peak Value |
| | 960MHz-1G | | | 54.0 | | | Quasi-peak Value |
| | | | | 54.0 | | | Average Value |
| | Above 1GF | | | 74.0 | | | Peak Value |
| Test Procedure: | 1GHz)/1.5r The table of highest rad 2. The EUT of antenna, we tower. 3. The antenre the ground Both horizon make the meters and to find the meters and the limit specified Both the meters and the limit specified Both the meters and t | m(above 10 was rotated iation. was set 3 hich was man height is to determental and wheasurements and when the anal the rota tamaximum maximum | GHz d 36 me mour s va nine ent. emis ntenr able readi stem with of the en ter repo ould | e) above the content of the maximum cal polarizate ssion, the Ena was tuned was turned ing. In was set of Maximum Here EUT in personate could borted. Otherwas terested. | groun o deter from th op of a ne met um valu ions of to Pea old Mo ak mod oe stop wise th d one b | d at a mine he intervariable of the a as arraceights degreed was ped arreeming y one | table 0.8m(below a 3 meter camber. the position of the efference-receiving ble-height antenna four meters above the field strength. Intenna are set to anged to its worst from 1 meter to 4 es to 360 degrees ect Function and a 10 dB lower than and the peak values assions that did not using peak, quasi-reported in a data |
| Test setup: | EUT | 4m 4m 0.8m 1m | == | | | Antenna Search Antenn Test ceiver — | 1 |



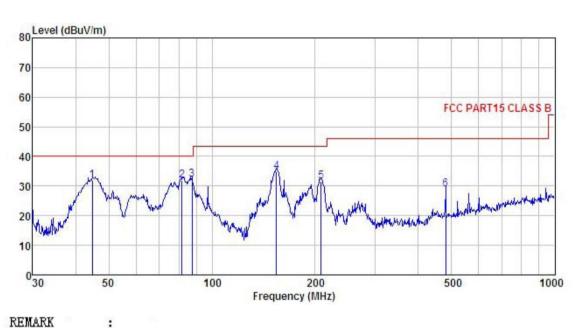




Measurement Data (worst case):

Below 1GHz:

| Product Name: | LTE Smart phone | Product Model: | N6201L |
|-----------------|-----------------|----------------|---------------------|
| Test By: | Carey | Test mode: | BLE Tx mode |
| Test Frequency: | 30 MHz ~ 1 GHz | Polarization: | Vertical |
| Test Voltage: | AC 120/60Hz | Environment: | Temp: 24℃ Huni: 57% |



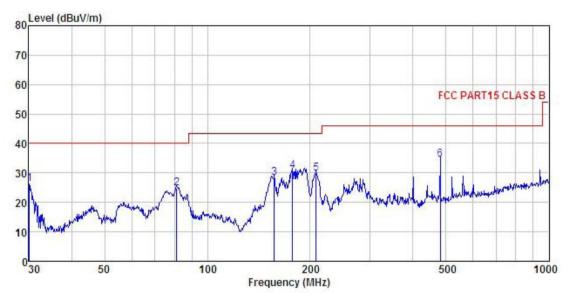
| : Freq | | | | | | Limit Line | Over Limit | Remark |
|-----------|---|--|--|--|---|--|--|--|
| MHz | dBu∜ | dB/m | <u>dB</u> | <u>dB</u> | $\overline{dBuV/m}$ | dBu√/m | dB | |
| 44.743 | 46.94 | 13.66 | 1.28 | 29.86 | 32.02 | 40.00 | -7.98 | QP |
| 81.783 | 51.24 | 8.46 | 1.72 | 29.63 | 31.79 | 40.00 | -8.21 | QP |
| 87.418 | 50.13 | 9.53 | 1.96 | 29.58 | 32.04 | 40.00 | -7.96 | QP |
| 154.279 | 52.71 | 8.82 | 2.55 | 29.18 | 34.90 | 43.50 | -8.60 | QP |
| 207.850 | 45.74 | 11.81 | 2.86 | 28.78 | 31.63 | 43.50 | -11.87 | QP |
| 480.528 | 37.28 | 16.97 | 3.46 | 28.92 | 28.79 | 46.00 | -17.21 | QP |
| | Freq MHz 44.743 81.783 87.418 154.279 207.850 | Read. Freq Level MHz dBuV 44.743 46.94 81.783 51.24 87.418 50.13 154.279 52.71 207.850 45.74 | ReadAntenna Freq Level Factor MHz dBuV dB/m 44.743 46.94 13.66 81.783 51.24 8.46 87.418 50.13 9.53 154.279 52.71 8.82 207.850 45.74 11.81 | ReadAntenna Cable Freq Level Factor Loss MHz dBuV dB/m dB 44.743 46.94 13.66 1.28 81.783 51.24 8.46 1.72 87.418 50.13 9.53 1.96 154.279 52.71 8.82 2.55 207.850 45.74 11.81 2.86 | ReadAntenna Cable Preamp Freq Level Factor Loss Factor MHz dBuV dB/m dB dB 44.743 46.94 13.66 1.28 29.86 81.783 51.24 8.46 1.72 29.63 87.418 50.13 9.53 1.96 29.58 154.279 52.71 8.82 2.55 29.18 207.850 45.74 11.81 2.86 28.78 | ReadAntenna Cable Preamp Freq Level Factor Loss Factor Level MHz dBuV dB/m dB dB dBuV/m 44.743 46.94 13.66 1.28 29.86 32.02 81.783 51.24 8.46 1.72 29.63 31.79 87.418 50.13 9.53 1.96 29.58 32.04 154.279 52.71 8.82 2.55 29.18 34.90 207.850 45.74 11.81 2.86 28.78 31.63 | ReadAntenna Cable Preamp Limit Freq Level Factor Loss Factor Level Line MHz dBuV dB/m dB dB dBuV/m dBuV/m 44.743 46.94 13.66 1.28 29.86 32.02 40.00 81.783 51.24 8.46 1.72 29.63 31.79 40.00 87.418 50.13 9.53 1.96 29.58 32.04 40.00 154.279 52.71 8.82 2.55 29.18 34.90 43.50 207.850 45.74 11.81 2.86 28.78 31.63 43.50 | ReadAntenna Cable Preamp Limit Over Freq Level Factor Loss Factor Level Line Limit MHz dBuV dB/m dB dB dBuV/m dBuV/m dB 44.743 46.94 13.66 1.28 29.86 32.02 40.00 -7.98 81.783 51.24 8.46 1.72 29.63 31.79 40.00 -8.21 87.418 50.13 9.53 1.96 29.58 32.04 40.00 -7.96 154.279 52.71 8.82 2.55 29.18 34.90 43.50 -8.60 207.850 45.74 11.81 2.86 28.78 31.63 43.50 -11.87 |

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.



| Product Name: | LTE Smart phone | Product Model: | N6201L |
|-----------------|-----------------|----------------|---------------------|
| Test By: | Carey | Test mode: | BLE Tx mode |
| Test Frequency: | 30 MHz ~ 1 GHz | Polarization: | Horizontal |
| Test Voltage: | AC 120/60Hz | Environment: | Temp: 24℃ Huni: 57% |
| | | | |



| REMARK | : | Read | Antenna | Cable | Preamp | | Limit | Over | |
|-----------------------|---------|-------|---------|-------|-----------|---------------------|--------|-----------|--------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBu∜ | | | <u>dB</u> | $\overline{dBuV/m}$ | dBuV/m | <u>dB</u> | |
| 1 | 30.105 | 45.03 | 10.63 | 0.72 | 29.98 | 26.40 | 40.00 | -13.60 | QP |
| 2 | 81.212 | 44.39 | 8.34 | 1.69 | 29.63 | 24.79 | 40.00 | -15.21 | QP |
| 3 | 157.007 | 45.85 | 8.95 | 2.57 | 29.16 | 28.21 | 43.50 | -15.29 | QP |
| 4 | 177.509 | 47.22 | 9.70 | 2.71 | 28.99 | 30.64 | 43.50 | -12.86 | QP |
| 5 | 207.850 | 43.81 | 11.81 | 2.86 | 28.78 | 29.70 | 43.50 | -13.80 | QP |
| 2 3 4 5 6 | 480.528 | 43.16 | 16.97 | 3.46 | 28.92 | 34.67 | | -11.33 | |

- 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.



Above 1GHz

| | | | Test ch | annel: Lowe | est channel | | | |
|--------------------|-------------------------|-----------------------------|-----------------------|--------------------------|-------------------|------------------------|--------------------|--------------|
| | | | De | tector: Peak | Value | | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4804.00 | 47.48 | 35.99 | 6.80 | 41.81 | 48.46 | 74.00 | -25.54 | Vertical |
| 4804.00 | 47.78 | 35.99 | 6.80 | 41.81 | 48.76 | 74.00 | -25.24 | Horizontal |
| | | | Dete | ctor: Averag | ge Value | | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4804.00 | 37.27 | 35.99 | 6.80 | 41.81 | 38.25 | 54.00 | -15.75 | Vertical |
| 4804.00 | 37.17 | 35.99 | 6.80 | 41.81 | 38.15 | 54.00 | -15.85 | Horizontal |
| | | | | | | | | |
| | | | Test ch | annel: Mido | lle channel | | | |

| Detector: Peak Value |
|---|
| Frequency (MHz) Level Factor Loss Factor (dBuV/m) (dB/m) (dB) (dB) Factor (dBuV/m) Limit Line Over Limit (dB) Polarizatio |
| 4994 00 47 19 36 39 6 96 41 94 49 59 74 00 35 43 Vertical |
| 4004.00 47.10 30.30 0.00 41.84 40.36 74.00 -23.42 Vehical |
| 4884.00 47.74 36.38 6.86 41.84 49.14 74.00 -24.86 Horizonta |
| Detector: Average Value |
| Frequency (MHz) Read Level (dBuV) Antenna Factor (dB/m) Cable Loss (dB) Preamp Factor (dB) Level (dBuV/m) Limit Line (dBuV/m) Polarizatio |
| 4884.00 37.54 36.38 6.86 41.84 38.94 54.00 -15.06 Vertical |
| 4884.00 37.16 36.38 6.86 41.84 38.56 54.00 -15.44 Horizonta |

| Test channel: Highest channel | | | | | | | | |
|-------------------------------|-------------------------|-----------------------------|-----------------------|--------------------------|-------------------|------------------------|--------------------|--------------|
| Detector: Peak Value | | | | | | | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4960.00 | 47.47 | 36.71 | 6.91 | 41.87 | 49.22 | 74.00 | -24.78 | Vertical |
| 4960.00 | 47.99 | 36.71 | 6.91 | 41.87 | 49.74 | 74.00 | -24.26 | Horizontal |
| Detector: Average Value | | | | | | | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4960.00 | 37.36 | 36.71 | 6.91 | 41.87 | 39.11 | 54.00 | -14.89 | Vertical |
| 4960.00 | 37.51 | 36.71 | 6.91 | 41.87 | 39.26 | 54.00 | -14.74 | Horizontal |

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.