

Report No: CCISE200504803

FCC REPORT

| Applicant: | SKY PHONE LLC |
|-------------------------|--|
| Address of Applicant: | 1348 Washington Av. Suite 350, Miami Beach, FL 33139 |
| Equipment Under Test (E | EUT) |
| Product Name: | 3G Tablet |
| Model No.: | PLATINUM A7 |
| Trade mark: | SKY DEVICES |
| FCC ID: | 2ABOSSKYPLATA7 |
| Applicable standards: | FCC CFR Title 47 Part 15 Subpart C Section 15.247 |
| Date of sample receipt: | 18 May, 2020 |
| Date of Test: | 19 May, to 11 Jun., 2020 |
| Date of report issued: | 12 Jun., 2020 |
| 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 | 12 Jun., 2020 | Original |
| | | |
| | | |
| | | |
| | | |

Tested by: Test Engineer Reviewed by: Test Engineer

Date: 12 Jun., 2020

Project Engineer

Date:

12 Jun., 2020

CCIS

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4 Test Summary

| Test Items | Section in CFR 47 | Result | | |
|---|---------------------|--------|--|--|
| Antenna requirement | 15.203 & 15.247 (b) | 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 | | |
| Remark: 1. Pass: The EUT complies with the essential requirements in the standard. 2. N/A: Not Applicable | | | | |

2. N/A: Not Applicable.

The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).
 ANSI C63.10-2013

KDB 558074 D01 15.247 Meas Guidance v05r02

Test Method:



General Information 5

5.1 Client Information

| Applicant: | SKY PHONE LLC |
|---------------|--|
| Address: | 1348 Washington Av. Suite 350, Miami Beach, FL 33139 |
| Manufacturer: | SKY PHONE LLC |
| Address: | 1348 Washington Av. Suite 350, Miami Beach, FL 33139 |

5.2 General Description of E.U.T.

| Product Name: | 3G Tablet |
|------------------------|---|
| Model No.: | PLATINUM A7 |
| Operation Frequency: | 2402-2480 MHz |
| Channel numbers: | 40 |
| Channel separation: | 2 MHz |
| Modulation technology: | GFSK |
| Data speed : | 1Mbps |
| Antenna Type: | Internal Antenna |
| Antenna gain: | 2.0dBi |
| Power supply: | Rechargeable Li-ion Battery DC3.7V, 2700mAh |
| AC adapter: | Input: AC100-240V, 50/60Hz, 0.25A |
| | Output: DC 5.0V, 1.5A |
| Test Sample Condition: | The test samples were provided in good working order with no visible defects. |

| 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

Operating Environment: Temperature: 24.0 °C Humidity: 54 % RH Atmospheric Pressure: 1010 mbar Test mode: Transmitting mode Keep the EUT in continuous transmitting with modulation

Radiated Emission: 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) | ±1.60 dB (k=2) |
| Radiated Emission (9kHz ~ 30MHz) | ±3.12 dB (k=2) |
| Radiated Emission (30MHz ~ 1000MHz) | ±4.32 dB (k=2) |
| Radiated Emission (1GHz ~ 18GHz) | ±5.16 dB (k=2) |
| Radiated Emission (18GHz ~ 40GHz) | ±3.20 dB (k=2) |

5.6 Additions to, deviations, or exclusions from the method No

5.7 Laboratory Facility

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

• FCC - Designation No.: CN1211

Shenzhen Zhongjian Nanfang Testing 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 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.

• 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: <u>https://portal.a2la.org/scopepdf/4346-01.pdf</u>

5.8 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd. Address: No.110~116, Building B, Jinyuan Business Building, 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

5.9 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 | 044 | 03-07-2020 | 03-06-2021 |
| BiConiLog Antenna | SCHWARZBECK | VULB9163 | 497 | 03-07-2020 | 03-06-2021 |
| Horn Antenna | SCHWARZBECK | BBHA9120D | 916 | 03-07-2020 | 03-06-2021 |
| Horn Antenna | SCHWARZBECK | BBHA9120D | 1805 | 06-22-2017 | 06-21-2020 |
| Horn Antenna | SCHWARZBECK | BBHA 9170 | BBHA9170582 | 11-18-2019 | 11-17-2020 |
| EMI Test Software | AUDIX | E3 | ١ | Version: 6.110919b | |
| Pre-amplifier | HP | 8447D | 2944A09358 | 03-07-2020 | 03-06-2021 |
| Pre-amplifier | CD | PAP-1G18 | 11804 | 03-07-2020 | 03-06-2021 |
| Spectrum analyzer | Rohde & Schwarz | FSP30 | 101454 | 03-05-2020 | 03-04-2021 |
| Spectrum analyzer | Rohde & Schwarz | FSP40 | 100363 | 11-18-2019 | 11-17-2020 |
| EMI Test Receiver | Rohde & Schwarz | ESRP7 | 101070 | 03-05-2020 | 03-04-2021 |
| Cable | ZDECL | Z108-NJ-NJ-81 | 1608458 | 03-07-2020 | 03-06-2021 |
| Cable | MICRO-COAX | MFR64639 | K10742-5 | 03-07-2020 | 03-06-2021 |
| Cable | SUHNER | SUCOFLEX100 | 58193/4PE | 03-07-2020 | 03-06-2021 |
| 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 | 03-05-2020 | 03-04-2021 | |
| Pulse Limiter | SCHWARZBECK | OSRAM 2306 | 9731 | 03-05-2020 | 03-04-2021 | |
| LISN | CHASE | MN2050D | 1447 | 03-05-2020 | 03-04-2021 | |
| LISN | Rohde & Schwarz | ESH3-Z5 | 8438621/010 | 07-21-2017 | 07-20-2020 | |
| Cable | HP | 10503A | N/A | 03-05-2020 | 03-04-2021 | |
| EMI Test Software | AUDIX | E3 | Version: 6.110919b | | | |



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 | | | | | |
| | sed with the device. The use of a permanently attached antenna or of an | | | | |
| | coupling to the intentional radiator, the manufacturer may design the unit | | | | |
| | n be replaced by the user, but the use of a standard antenna jack or | | | | |
| electrical connector is prohit | Dited. | | | | |
| 15.247(b) (4) requirement: | ower limit specified in paragraph (b) of this section is based on the use of | | | | |
| | ins that do not exceed 6 dBi. Except as shown in paragraph (c) of this | | | | |
| | nas of directional gain greater than 6 dBi are used, the conducted output | | | | |
| | adiator shall be reduced below the stated values in paragraphs (b)(1), | | | | |
| (b)(2), and (b)(3) of this sect | ion, as appropriate, by the amount in dB that the directional gain of the | | | | |
| antenna exceeds 6 dBi. | | | | | |
| E.U.T Antenna: | | | | | |
| | al antenna which cannot replace by end-user, the best-case gain of the | | | | |
| antenna is 2.0 dBi. | | | | | |
| TT: M7617: WI BT& WIEIS | GPS ANT | | | | |



6.2 Conducted Emission

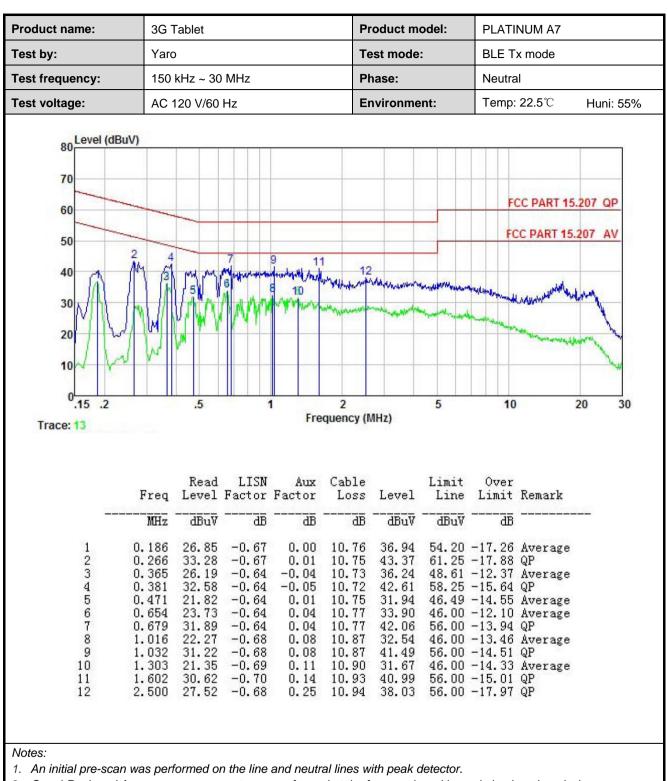
| Test Requirement: | FCC Part 15 C Section 15.207 | | | |
|-----------------------|---|-----------------------------------|------------|--|
| Test Frequency Range: | 150 kHz to 30 MHz | | | |
| Class / Severity: | Class B | | | |
| Receiver setup: | RBW=9kHz, VBW=30kHz | | | |
| Limit: | Frequency range (MHz) | Limit (| dBuV) | |
| | Quasi-peak Average | | | |
| | 0.15-0.5 | 66 to 56* | 56 to 46* | |
| | 0.5-5 5-30 | 56 60 | 46 | |
| | 5-30 * Decreases with the logarithm | | 50 | |
| 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 C63.10(latest version) on conducted measurement. | | | |
| Test setup: | Reference | 80cm Filter EMI Receiver | – AC power | |
| Test Instruments: | Refer to section 5.9 for details | | | |
| Test mode: | Refer to section 5.3 for details | | | |
| Test results: | Passed | | | |



Measurement Data:

| Product name: | 3G Tablet | 3G Tablet | | odel: | PLATINUM A7 | | |
|---|--------------------------------|---------------|--------------------------------|-------------------|----------------------------|----------------------|--|
| est by: | Yaro | | Test mode | : | BLE Tx mode | | |
| est frequency: | 150 kHz ~ 3 | 0 MHz | Phase: | | Line | | |
| est voltage: | AC 120 V/60 |) Hz | Environme | ent: | Temp: 22.5 ℃ | Huni: 55% | |
| 80 Level (dBuV) 70 60 50 40 30 20 10 0.15 .2 Trace: 15 | | | 2 Jency (MHz) | | FCC PART 15 | 5.207 QP 5.207 AV | |
| , | Read Freq Level MHz dBuV | Factor Factor | Cable Loss Level dB dBuV | Limit Line | Over Limit Remark dB | | |





2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

3. Final Level = Receiver Read level + LISN Factor + Aux Factor + Cable Loss.



6.3 Conducted Output Power

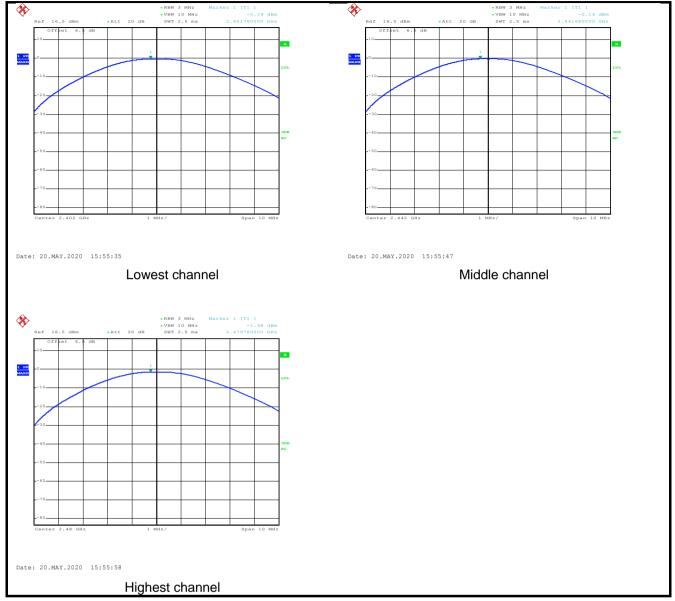
| Test Requirement: | FCC Part 15 C Section 15.247 (b)(3) |
|-------------------|---|
| Limit: | 30dBm |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane |
| Test Instruments: | Refer to section 5.9 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |

Measurement Data:

| Test CH | Maximum Conducted Output Power (dBm) | Limit(dBm) | Result |
|---------|---|------------|--------|
| Lowest | -0.29 | | |
| Middle | -0.19 | 30.00 | Pass |
| Highest | -1.38 | | |

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Test plot as follows:





6.4 Occupy Bandwidth

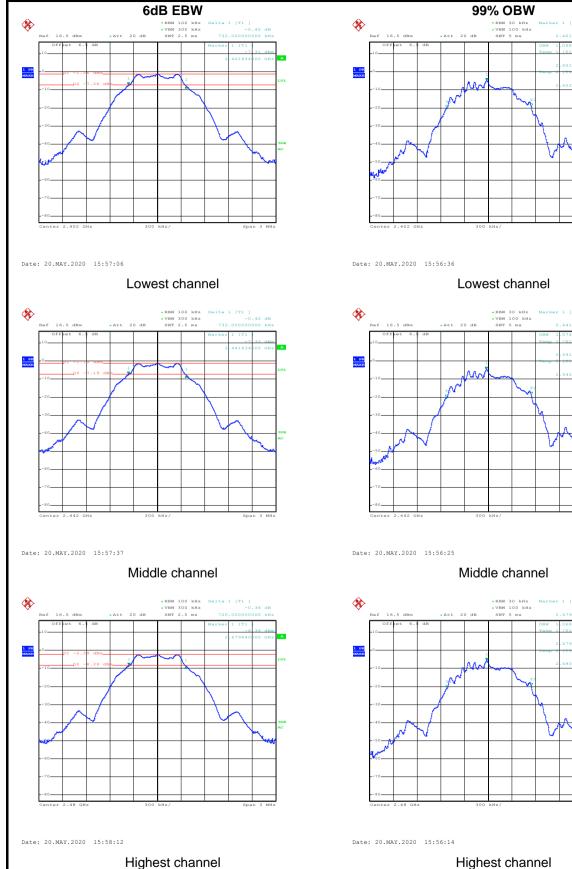
| Test Requirement: | FCC Part 15 C Section 15.247 (a)(2) |
|-------------------|---|
| Limit: | >500kHz |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane |
| Test Instruments: | Refer to section 5.9 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |

Measurement Data:

| Test CH | 6dB Emission Bandwidth (MHz) | Limit(kHz) | Result |
|---------|------------------------------|------------|--------|
| Lowest | 0.732 | | |
| Middle | 0.732 | >500 | Pass |
| Highest | 0.720 | | |
| Test CH | 99% Occupy Bandwidth (MHz) | Limit(kHz) | Result |
| Lowest | 1068 | | |
| Middle | 1074 | N/A | N/A |
| Highest | 1068 | | |

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Test plot as follows:



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6.5 Power Spectral Density

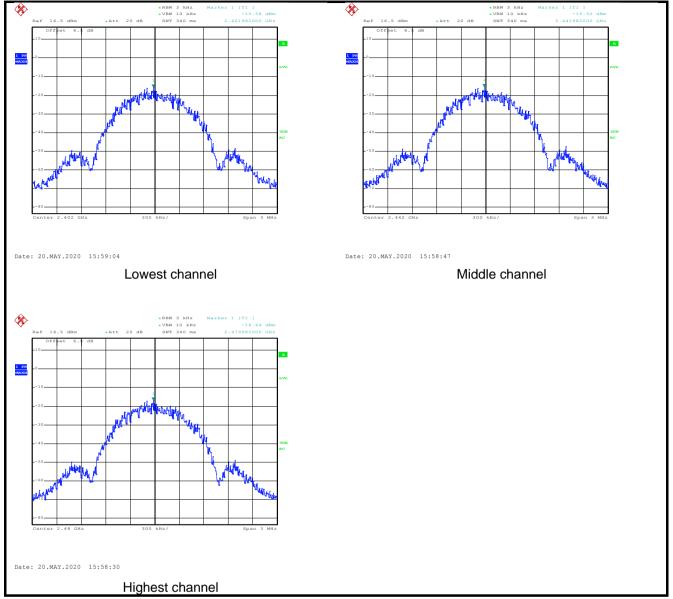
| Test Requirement: | FCC Part 15 C Section 15.247 (e) |
|-------------------|---|
| Limit: | 8 dBm/3kHz |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane |
| Test Instruments: | Refer to section 5.9 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |

Measurement Data:

| Test CH | Power Spectral Density (dBm/3kHz) | Limit (dBm/3kHz) | Result |
|---------|--------------------------------------|---------------------|--------|
| Lowest | -15.58 | | |
| Middle | -15.50 | 8.00 | Pass |
| Highest | -16.64 | | |



Test plots as follow:



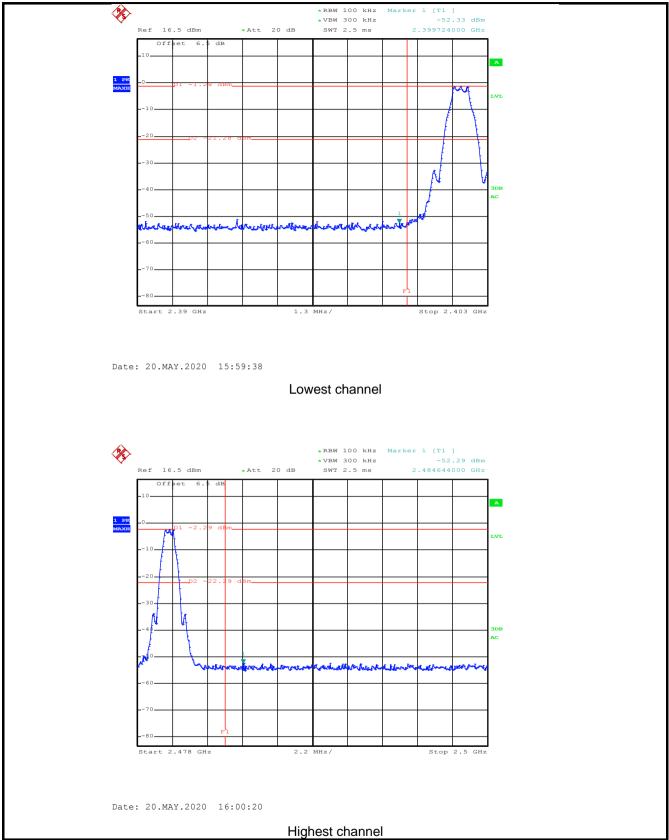


6.6 Band Edge

6.6.1 Conducted Emission Method

| Test Requirement: | FCC Part 15 C Section 15.247 (d) |
|-------------------|---|
| 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 5.9 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |

Test plots as follow:

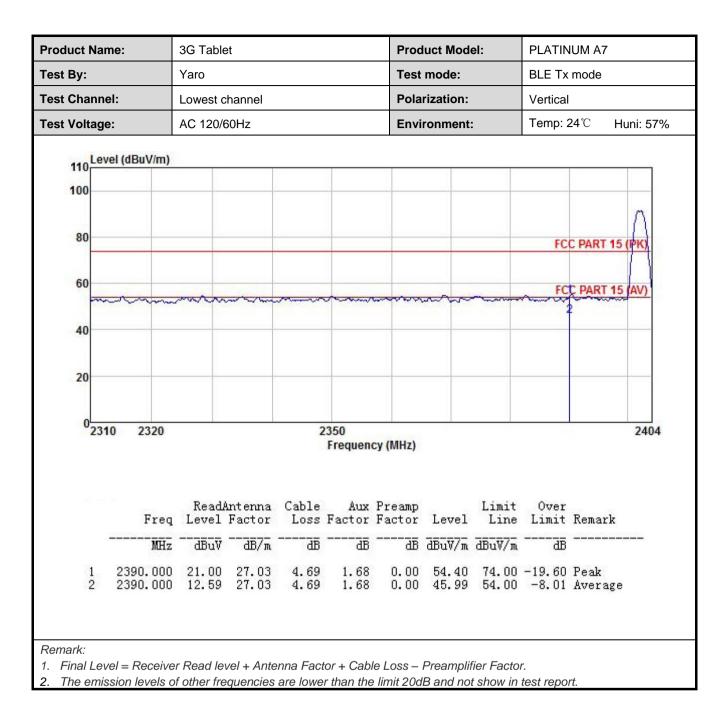




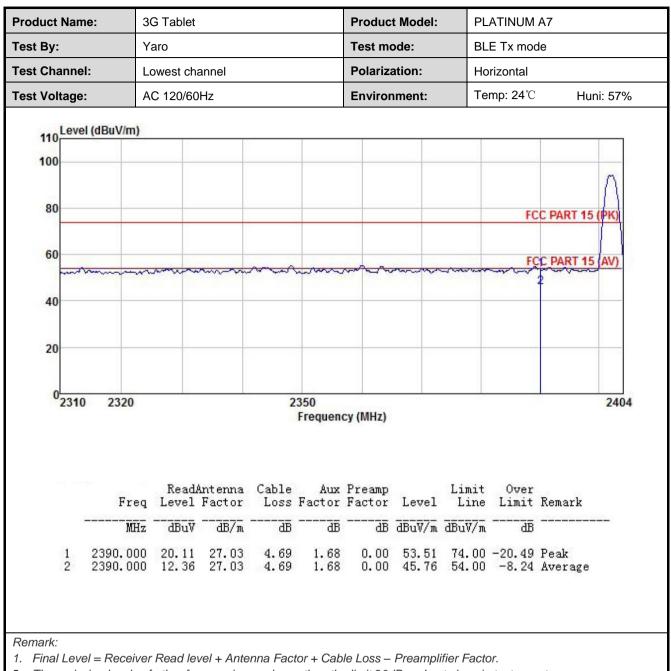
6.6.2 Radiated Emission Method

| Test Requirement: | FCC Part 15 C Section 15.205 and 15.209 | | | | | | |
|-----------------------|---|--|--|---|---|--|--|
| Test Frequency Range: | 2310 MHz to 2390 MHz and 2483.5MHz to 2500 MHz | | | | | | |
| Test Distance: | 3m | | | | | | |
| Receiver setup: | Frequency | Detector | RBW | VBW | Remark | | |
| | Above 1GHz | Peak | 1MHz | 3MHz | Peak Value | | |
| | | RMS | 1MHz | 3MHz | Average Value | | |
| Limit: | Frequer | ncy i | _imit (dBuV/m @ | | Remark | | |
| | Above 1GHz | | 54.00 74.00 | <i>F</i> | Average Value Peak Value | | |
| Test Procedure: | the groun to determ 2. The EUT antenna, tower. 3. The anten the groun Both hori: make the 4. For each case and meters ar to find the 5. The test-n Specified 6. If the emi the limit s of the EU have 10 c | ad at a 3 meter ine the positi was set 3 meter which was meter and to determing zontal and ver suspected en then the anter measurement suspected en then the anter receiver syster Bandwidth v ission level of specified, then T would be meter dB margin wood | er camber. The ta on of the highest eters away from t ounted on the to varied from one the the maximum ertical polarization nt. mission, the EUT enna was tuned to ble was turned fr eading. em was set to Pe vith Maximum Ho the EUT in peak in testing could be eported. Otherwise | able was rota radiation. the interferer p of a variab meter to four value of the ns of the ante was arrange o heights fro om 0 degree ak Detect Fu d Mode. stopped an se the emiss one by one u | le-height antenna r meters above field strength. enna are set to ed to its worst om 1 meter to 4 es to 360 degrees unction and 10 dB lower than d the peak values ions that did not using peak, quasi- | | |
| Test setup: | | Furntable) | Horn Antenna 3m und Reference Plane sr Amptier Con | Antenna Tower | | | |
| Test Instruments: | Refer to section | on 5.9 for det | ails | | | | |
| Test mode: | Refer to section | on 5.3 for det | ails | | | | |
| Test results: | Passed | | | | | | |





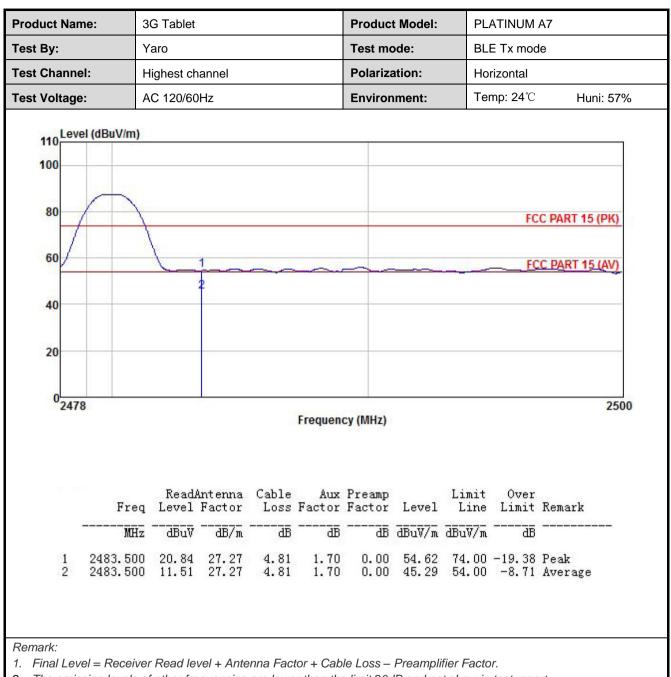






| | 3G Table | et | | Proc | duct Mod | lel: | PLATII | NUM A7 | | |
|---|------------------|----------------------------|---------|------------------|-----------------|---------------|---------------|-------------|-----------|--|
| est By: | Yaro | | | Test | t mode: | | BLE T | BLE Tx mode | | |
| Fest Channel: | Highest o | channel | | Pola | arization: | | Vertica | al | | |
| Fest Voltage: | AC 120/6 | 60Hz | | Env | ironment | t: | Temp: | 24 ℃ | Huni: 57% | |
| 110 Level (dBuV/m) 100 80 60 40 | | 1 | | | | | | CC PART | | |
| 20 0 2478 | | | Frequen | cy (MHz) | | | | | 2500 | |
| 0 | | | Frequen | cy (MHz) | | | | | 2500 | |
| 02478 | Read/ q Level | Antenna Cabl Factor Los | le Aux | Preamo | Level | Limit Line | Over Limit | | | |
| 02478 | q Level | Factor Los | le Aux | Preamp Factor | Level dBuV/m | Line | Limit | Remark | | |







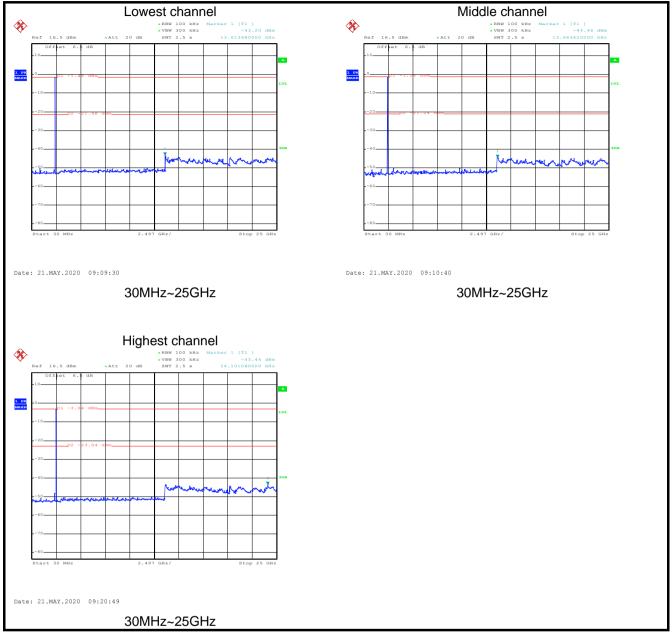
6.7 Spurious Emission

6.7.1 Conducted Emission Method

| Test Requirement: | FCC Part 15 C Section 15.247 (d) |
|-------------------|---|
| 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 5.9 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |

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Test plot as follows:





6.7.2 Radiated Emission Method

| Test Requirement: | FCC Part 15 C Section 15.205 and 15.209 | | | | | | | |
|-----------------------|---|---|---|--|--|--|--|--|
| Test Frequency Range: | 9kHz to 25GHz | | | | | | | |
| Test Distance: | 3m | | | | | | | |
| Receiver setup: | Frequency Detect | | or RBW | | VBW | | Remark | |
| | 30MHz-1GHz Quasi-p | | ak 120KHz | | 300 | 〈 Hz | Quasi-peak Value | |
| | Above 1GHz Pea | | | | 3MHz | | Peak Value | |
| | | | 6 1MHz 3 | | | 3MHz Average V | | |
| Limit: | Frequency | | Limit (dBuV/m @3m) | | | Remark | | |
| | 30MHz-88MHz | | | 40.0 | | Quasi-peak Value | | |
| | 88MHz-216N | | | 43.5 | | Quasi-peak Value | | |
| | 216MHz-960 | | | 46.0 | | | uasi-peak Value | |
| | 960MHz-1G | Hz | | 54.0 | | | uasi-peak Value | |
| | Above 1GH | lz – | | 54.0 | | | Average Value | |
| Test Procedure: | 1. The EUT | | م م م | 74.0 | 4 0 10 | tating | Peak Value table 0.8m(below | |
| | The table of highest race The EUT antenna, we tower. The antenna the ground Both horized make the meters and to find the e The test-rest specified E If the emission the limit sp of the EUT have 10 dE | was rotated liation. was set 3 which was m na height is to determ ontal and v neasuremen suspected then the an d the rota ta maximum ro eceiver sys Bandwidth v sion level o ecified, the would be B margin wo | d 360 meter nounter s varie nine th vertica ent. emiss ntenna able w vertica ent. emiss stem with M of the en test repor ould b |) degrees to ers away f ied on the t ied from or the maximu al polarizat sion, the E a was turned ng. was set f Maximum H EUT in pe- ting could b rted. Other pe re-tested | o deter from the op of a ne met um vali ions of UT was d to he from 0 to Pea old Mo oak moo be stop wise the d one b | mine ne inten varial er to f ue of the a as arra eights degre k Det de. de was ped ar e emis y one | a 3 meter camber. the position of the erference-receiving ble-height antenna four meters above the field strength. antenna are set to anged to its worst from 1 meter to 4 ses to 360 degrees tect Function and s 10 dB lower than nd the peak values ssions that did not using peak, quasi- reported in a data | |
| Test setup: | Below 1GHz | 3m < | | | | Antenna Search Antenn Test eiver — | | |

<u>CCIS</u>

| | AE EUT Horn Aritema Tower Horn Aritema Tower Ground Reference Plane Test Receiver Ground Reference Plane | | | | | |
|-------------------|---|--|--|--|--|--|
| Test Instruments: | Refer to section 5.9 for details | | | | | |
| Test mode: | Refer to section 5.3 for details | | | | | |
| Test results: | Passed | | | | | |
| Remark: | Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 9 kHz to 30MHz is lower than the limit 20dB, so only shows the data of above 30MHz in this report. | | | | | |

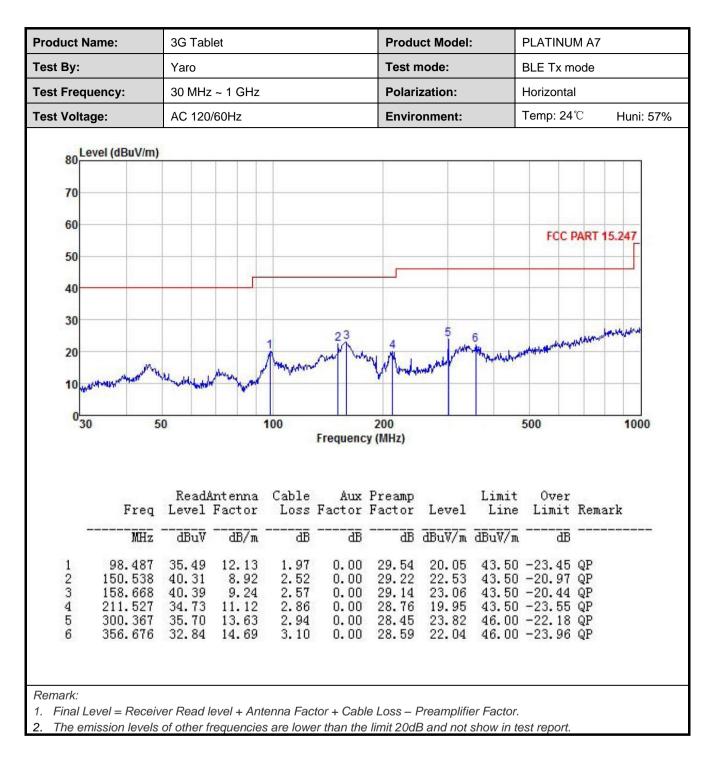


Measurement Data (worst case):

Below 1GHz:

| | : 3G Tablet Yaro y: 30 MHz ~ 1 GHz | | | Product Model: | | | PLATINUM A7 | | | |
|---|--|--------|-------|----------------|-----------------------------|------------------|-----------------------|---------------|---------------|-------|
| est By: | | | | | Test r | node: | | BLE Tx mode | | |
| est Frequency: | | | | Polari | Polarization: | | | Vertical | | |
| est Voltage: | AC 120/6 | 60Hz | | | Envir | ronment: Temp: 2 | | | 24℃ Huni: 57% | |
| 80 Level (dBuV/m) 70 60 50 40 30 20 10 | | | Mulu | 3 4 | with | 5 E | 3 Letreyrollinther | 1.11.4LMM | PART 1 | 5.247 |
| | | 1 | | | | | | | | |
| | 50 | | 100 | Frequenc | 200 :y (MHz) | | | 500 | | 1000 |
| 030 5 | | ntenna | Cable | Aux | cy (MHz) Preamp | Level | Limit Line | | | |
| 030 5 | ReadA | ntenna | Cable | Aux | y (MHz) Preamp Factor | Level dBuV/m | Line | Over Limit | Rema | |







Above 1GHz

| | | | Te | est channe | el: Lowest c | nannel | | | | |
|---|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-------------------|---------------------------|-----------------------|--------------|--|
| Detector: Peak Value | | | | | | | | | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | |
| 4804.00 | 46.97 | 30.78 | 6.80 | 2.44 | 41.81 | 45.18 | 74.00 | -28.82 | Vertical | |
| 4804.00 | 46.59 | 30.78 | 6.80 | 2.44 | 41.81 | 44.80 | 74.00 | -29.20 | Horizontal | |
| Detector: Average Value | | | | | | | | | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | |
| 4804.00 | 40.33 | 30.78 | 6.80 | 2.44 | 41.81 | 38.54 | 54.00 | -15.46 | Vertical | |
| 4804.00 | 40.85 | 30.78 | 6.80 | 2.44 | 41.81 | 39.06 | 54.00 | -14.94 | Horizontal | |
| | | | | | | | | | | |
| | | | 10 | | el: Middle ch | | | | | |
| | <u> </u> | | <u> </u> | 1 | or: Peak Val | ue | | | Γ | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | |
| 4884.00 | 46.72 | 30.96 | 6.86 | 2.47 | 41.84 | 45.17 | 74.00 | -28.83 | Vertical | |
| 4884.00 | 46.18 | 30.96 | 6.86 | 2.47 | 41.84 | 44.63 | 74.00 | -29.37 | Horizontal | |
| | Detector: Average Value | | | | | | | | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | |
| 4884.00 | 40.15 | 30.96 | 6.86 | 2.47 | 41.84 | 38.60 | 54.00 | -15.40 | Vertical | |
| 4884.00 | 40.82 | 30.96 | 6.86 | 2.47 | 41.84 | 39.27 | 54.00 | -14.73 | Horizontal | |
| Test channel: Highest channel Detector: Peak Value | | | | | | | | | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | |
| 4960.00 | 46.39 | 31.11 | 6.91 | 2.49 | 41.87 | 45.03 | 74.00 | -28.97 | Vertical | |
| 4960.00 | 46.83 | 31.11 | 6.91 | 2.49 | 41.87 | 45.47 | 74.00 | -28.53 | Horizontal | |
| | | | | Detector: | Average Va | alue | | | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization | |
| 4960.00 | 40.54 | 31.11 | 6.91 | 2.49 | 41.87 | 39.18 | 54.00 | -14.82 | Vertical | |
| 4960.00 | 40.22 | 31.11 | 6.91 | 2.49 | 41.87 | 38.86 | 54.00 | -15.14 | Horizontal | |
| | | | | | | + Aux Factor | – Preamplifie | | | |