RF TEST REPORT



Report No.: 17070325-FCC-R2
Supersede Report No.: N/A

| Applicant | G-TOUCH LLC. | | | |
|---|---------------|--------------------------|--------------------|-----|
| Product Name | Mobile phone | | | |
| Model No. | STELLA | | | |
| Serial No. | N/A | | | |
| Test Standard | FCC Part 1 | 5.247: 2016, | ANSI C63.10: 2 | 013 |
| Test Date | July 04 to | July 04 to July 11, 2017 | | |
| Issue Date | July 12, 2017 | | | |
| Test Result | Pass Fail | | | |
| Equipment complied with the specification | | | | |
| Equipment did not comply with the specification | | | | |
| Loven | Luo | David | Huang | |
| Loren Luo Test Engineer | | | d Huang cked By | |

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Test result presented in this test report is applicable to the tested sample only

Issued by:

SIEMIC (SHENZHEN-CHINA) LABORATORIES

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Laboratories Introduction

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Accreditations for Conformity Assessment

| Country/Region | Scope |
|----------------|------------------------------------|
| USA | EMC, RF/Wireless, SAR, Telecom |
| Canada | EMC, RF/Wireless, SAR, Telecom |
| Taiwan | EMC, RF, Telecom, SAR, Safety |
| Hong Kong | RF/Wireless, SAR, Telecom |
| Australia | EMC, RF, Telecom, SAR, Safety |
| Korea | EMI, EMS, RF, SAR, Telecom, Safety |
| Japan | EMI, RF/Wireless, SAR, Telecom |
| Singapore | EMC, RF, SAR, Telecom |
| Europe | EMC, RF, SAR, Telecom, Safety |



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1. Report Revision History

| Report No. | Report Version | Description | Issue Date |
|-----------------|----------------|-------------|---------------|
| 17070325-FCC-R2 | NONE | Original | July 12, 2017 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

2. Customer information

| Applicant Name | G-TOUCH LLC. |
|------------------|---|
| Applicant Add | 1750 NW 107TH Avenue, STE P-411, Miami,Florida, United States |
| Manufacturer | G-TOUCH LLC. |
| Manufacturer Add | 1750 NW 107TH Avenue, STE P-411, Miami,Florida, United States |

3. Test site information

| | · | |
|----------------------|---|--|
| Lab performing tests | SIEMIC (Shenzhen-China) LABORATORIES | |
| | Zone A, Floor 1, Building 2 Wan Ye Long Technology Park | |
| Lab Address | South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China | |
| | 518108 | |
| FCC Test Site No. | 718246 | |
| IC Test Site No. | 4842E-1 | |
| Test Software of | | |
| Radiated Emission | Radiated Emission Program-To Shenzhen v2.0 | |
| Test Software of | E7 FMO(- 1 - 0044) | |
| Conducted Emission | EZ-EMC(ver.lcp-03A1) | |



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4. Equipment under Test (EUT) Information

Description of EUT: Mobile phone

Main Model: STELLA

Serial Model: N/A

Date EUT received: July 03, 2017

Test Date(s): July 04 to July 11, 2017

Equipment Category: DSS

GSM850: -3.62dBi

PCS1900: -1.22dBi

UMTS-FDD Band V: -3.66dBi Antenna Gain:

UMTS-FDD Band II: -1.29dBi

WIFI: 0.65dBi

Bluetooth/BLE: 0.65dBi

GPS: -0.85dBi

Antenna Type: PIFA antenna

GSM / GPRS: GMSK

EGPRS: GMSK

UMTS-FDD: QPSK

Type of Modulation: 802.11b/g/n: DSSS, OFDM

Bluetooth: GFSK, π /4DQPSK, 8DPSK

BLE: GFSK GPS:BPSK

GSM850 TX: 824.2 ~ 848.8 MHz; RX: 869.2 ~ 893.8 MHz

PCS1900 TX: 1850.2 ~ 1909.8 MHz; RX: 1930.2 ~ 1989.8 MHz

UMTS-FDD Band V TX: 826.4 ~ 846.6 MHz; RX: 871.4 ~ 891.6 MHz

RF Operating Frequency (ies): UMTS-FDD Band II TX:1852.4 ~ 1907.6 MHz;

RX: 1932.4 ~ 1987.6 MHz

WIFI: 802.11b/g/n(20M): 2412-2462 MHz WIFI: 802.11n(40M): 2422-2452 MHz



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Bluetooth& BLE: 2402-2480 MHz

GPS: 1575.42 MHz

Max. Output Power: 4.840dBm

> GSM 850: 124CH PCS1900: 299CH

UMTS-FDD Band V: 102CH UMTS-FDD Band II: 277CH

Number of Channels: WIFI:802.11b/g/n(20M): 11CH

WIFI:802.11n(40M): 7CH

Bluetooth: 79CH

BLE: 40CH GPS:1CH

USB Port, Earphone Port Port:

Adapter:

Model: STELLA

Input: AC100-240V~50/60Hz,0.15A

Output: DC 5.0V,800mA

Input Power: Battery:

Model: BT015100 Spec: 3.8V,2000mAh

Voltage: 4.35V

Trade Name: N/A

FCC ID: 2AJDZSTELLA

GPRS/ EGPRS Multi-slot class 8/10/12



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5. Test Summary

The product was tested in accordance with the following specifications.

All testing has been performed according to below product classification:

| FCC Rules | Description of Test | Result |
|------------------------------|-------------------------------------|------------|
| §15.203 | Antenna Requirement | Compliance |
| §15.247(a)(1) | Channel Separation | Compliance |
| §15.247(a)(1) | 20 dB Bandwidth | Compliance |
| §15.247(b)(1) | Peak Output Power | Compliance |
| §15.247(a)(1)(iii) | Number of Hopping Channel | Compliance |
| §15.247(a)(1)(iii) | Time of Occupancy (Dwell Time) | Compliance |
| §15.247(d) | Band Edge& Restricted Band | Compliance |
| §15.207(a) | AC Line Conducted Emissions | Compliance |
| §15.205, §15.209, §15.247(d) | Radiated Emissions& Restricted Band | Compliance |

Measurement Uncertainty

| Emissions | | | |
|---|---|---------------|--|
| Test Item | Description | Uncertainty | |
| Band Edge& Restricted Band and Radiated Emissions& Restricted Band | Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m) | +5.6dB/-4.5dB | |
| - | - | - | |



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6. Measurements, Examination And Derived Results

6.1 Antenna Requirement

Applicable Standard

According to § 15.203, 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 shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.

Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The EUT has 3 antennas:

A permanently attached PIFA antenna for GSM /PCS/ UMTS-FDD Band V / II, the gain is -3.62dBi for GSM, the gain is -1.22dBi for PCS, the gain is -3.66dBi for UMTS-FDD Band V, the gain is -1.29dBi for UMTS-FDD Band II.

A permanently attached PIFA antenna for Bluetooth/WIFI/BLE, the gain is 0.65dBi for Bluetooth/BLE/WIFI. A permanently attached PIFA antenna for GPS, the gain is -0.85dBi for GPS.

The antenna meets up with the ANTENNA REQUIREMENT.

Result: Compliance.



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6.2 Channel Separation

| Temperature | 24 °C |
|----------------------|---------------|
| Relative Humidity | 55% |
| Atmospheric Pressure | 1013mbar |
| Test date : | July 05, 2017 |
| Tested By : | Loren Luo |

Requirement(s):

| Requirement(s): | | | | | | |
|-----------------|--|--|-------------|--|--|--|
| Spec | Item | Item Requirement | | | | |
| 0.45.047(.)(4) | | Channel Separation < 20dB BW and 20dB BW < | | | | |
| | ۵) | 25KHz;Channel Separation Limit=25KHz | | | | |
| § 15.247(a)(1) | (a) | Chanel Separation < 20dB BW and 20dB BW > | | | | |
| | | 25kHz; Channel Separation Limit=2/3 20dB BW | | | | |
| Test Setup | Spectrum Analyzer EUT | | | | | |
| | The t | est follows FCC Public Notice DA 00-705 Measurement | Guidelines. | | | |
| | Use the following spectrum analyzer settings: | | | | | |
| | - | - The EUT must have its hopping function enabled | | | | |
| | - Span = wide enough to capture the peaks of two adjacent | | | | | |
| | channels | | | | | |
| | - Resolution (or IF) Bandwidth (RBW) ≥ 1% of the span | | | | | |
| Test Procedure | - Video (or Average) Bandwidth (VBW) ≥ RBW | | | | | |
| Tool Toolaaro | - Sweep = auto | | | | | |
| | - Detector function = peak | | | | | |
| | - Trace = max hold | | | | | |
| | - Allow the trace to stabilize. Use the marker-delta function to | | | | | |
| | determine the separation between the peaks of the adjacent | | | | | |
| | | channels. The limit is specified in one of the subparagraphs of this | | | | |
| | Section. Submit this plot. | | | | | |



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| Rema | rk | | | | |
|-----------|-----|---------------|------------------|--|--|
| Resu | lt | Pass | Fail | | |
| Test Data | Yes | 3 | N/A | | |
| Test Plot | Ye | s (See below) | □ _{N/A} | | |

Channel Separation measurement result

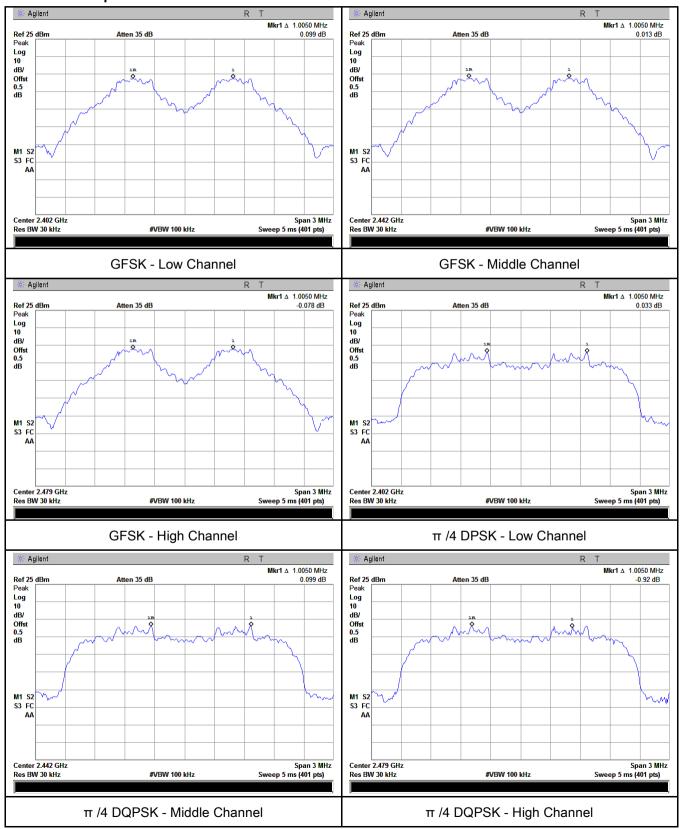
| Type/ Modulation | СН | CH Frequency (MHz) | CH Separation (MHz) | Limit (MHz) | Result |
|---------------------|-------------------|--------------------------|------------------------|----------------|---------|
| | Low Channel | 2402 | 1.005 | 0.688 | Pass |
| | Adjacency Channel | 2403 | 1.005 | 0.000 | F d 5 5 |
| CH Separation | Mid Channel | 2440 | 1.005 | 0.687 | Pass |
| GFSK | Adjacency Channel | 2441 | 1.005 | 0.067 | P d 5 5 |
| | High Channel | 2480 | 1.005 | 0.067 | Door |
| | Adjacency Channel | 2479 | 1.005 | 0.967 | Pass |
| | Low Channel | 2402 | 1.005 | 0.869 | Pass |
| | Adjacency Channel | 2403 | 1.005 | 0.009 | Pass |
| CH Separation | Mid Channel | 2440 | 1.005 | 0.873 | Dees |
| π /4 DQPSK | Adjacency Channel | 2441 | 1.005 | 0.673 | Pass |
| | High Channel | 2480 | 1.005 | 0.000 | Dees |
| | Adjacency Channel | 2479 | 1.005 | 0.869 | Pass |
| | Low Channel | 2402 | 4.005 | 0.000 | Desa |
| | Adjacency Channel | 2403 | 1.005 | 0.866 | Pass |
| CH Separation | Mid Channel | 2440 | 4.005 | 0.005 | Desa |
| 8DPSK | Adjacency Channel | 2441 | 1.005 | 0.865 | Pass |
| | High Channel | 2480 | 1.005 | 0.867 | Doss |
| | Adjacency Channel | 2479 | 1.000 | 0.007 | Pass |



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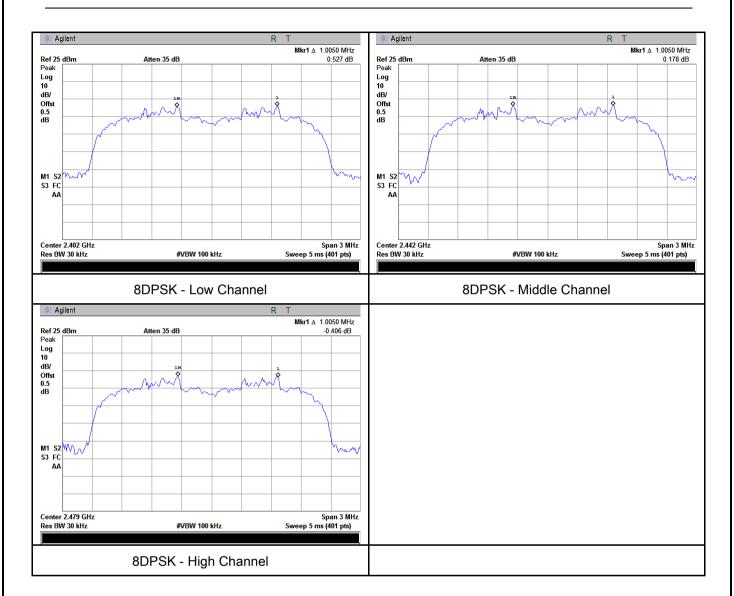
Test Plots

Channel Separation measurement result





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6.3 20dB Bandwidth

| Temperature | 24 °C |
|----------------------|---------------|
| Relative Humidity | 55% |
| Atmospheric Pressure | 1013mbar |
| Test date : | July 05, 2017 |
| Tested By: | Loren Luo |

| Requirement(s): | | | | | |
|-----------------|---|--|-------------|--|--|
| Spec | Item | Requirement | Applicable | | |
| | | Frequency hopping systems shall have hopping | | | |
| §15.247(a) | 2) | channel carrier frequencies separated by a minimum | V | | |
| (1) | (a) | of 25 kHz or the 20 dB bandwidth of the hopping | | | |
| | | channel, whichever is greater. | | | |
| Test Setup | | Spectrum Analyzer EUT | | | |
| | The test follows FCC Public Notice DA 00-705 Measurement Guidelines. | | | | |
| Use | | se the following spectrum analyzer settings: | | | |
| | - | Span = approximately 2 to 3 times the 20 dB bandwidth, | centered on | | |
| | | a hopping channel | | | |
| | - | RBW ≥ 1% of the 20 dB bandwidth | | | |
| | - | VBW ≥ RBW | | | |
| Test | - | Sweep = auto | | | |
| Procedure | - | Detector function = peak | | | |
| 1 Toocdare | - | Trace = max hold. | | | |
| | - The EUT should be transmitting at its maximum data rate. Allow the | | | | |
| | trace to stabilize. Use the marker-to-peak function to set the marker | | | | |
| | to the peak of the emission. Use the marker-delta function to | | | | |
| | measure 20 dB down one side of the emission. Reset the marker- | | | | |
| | | delta function, and move the marker to the other side of the | ne | | |
| | emission, until it is (as close as possible to) even with the refere | | reference | | |



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| | | marker le | evel. The marker-delta reading at this point is the 20 dB |
|-----------|---|----------------------|--|
| | | bandwid [.] | th of the emission. If this value varies with different modes of |
| | | operation | n (e.g., data rate, modulation format, etc.), repeat this test for |
| | | each var | iation. The limit is specified in one of the subparagraphs of |
| | | this Sect | ion. Submit this plot(s). |
| Remark | | | |
| Result | | Pass | □ Fail |
| | | | |
| Test Data | Y | es | N/A |
| Test Plot | V | es (See helow) | N/A |

Measurement result

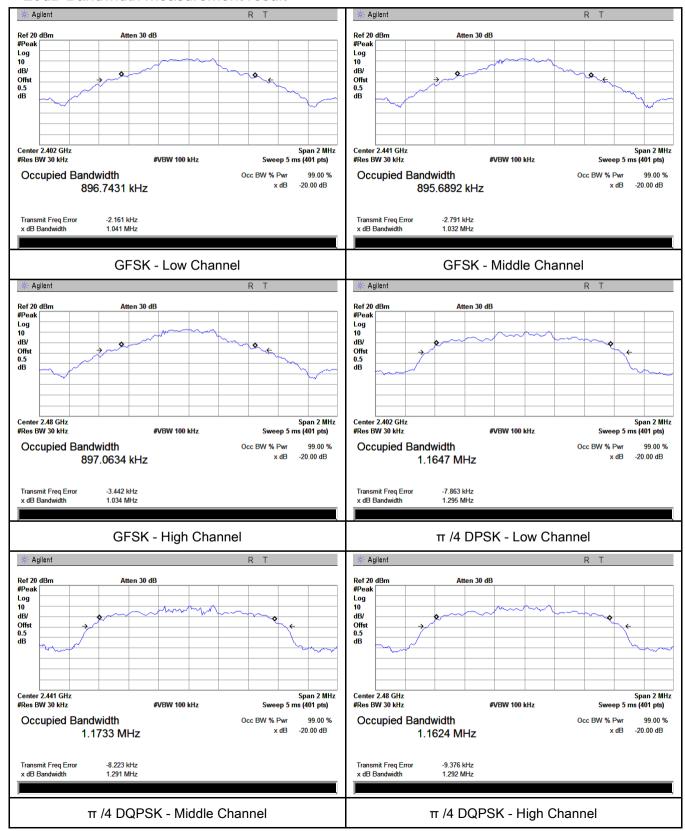
| Modulation | СН | CH Frequency | 20dB Bandwidth | 99% Occupied |
|------------|------|--------------|----------------|-----------------|
| Modulation | Сп | (MHz) | (MHz) | Bandwidth (MHz) |
| | Low | 2402 | 1.041 | 0.8967 |
| GFSK | Mid | 2441 | 1.032 | 0.8957 |
| | High | 2480 | 1.034 | 0.8971 |
| | Low | 2402 | 1.295 | 1.1647 |
| π /4 DQPSK | Mid | 2441 | 1.291 | 1.1733 |
| | High | 2480 | 1.292 | 1.1624 |
| | Low | 2402 | 1.294 | 1.1686 |
| 8-DPSK | Mid | 2441 | 1.291 | 1.1721 |
| | High | 2480 | 1.291 | 1.1697 |



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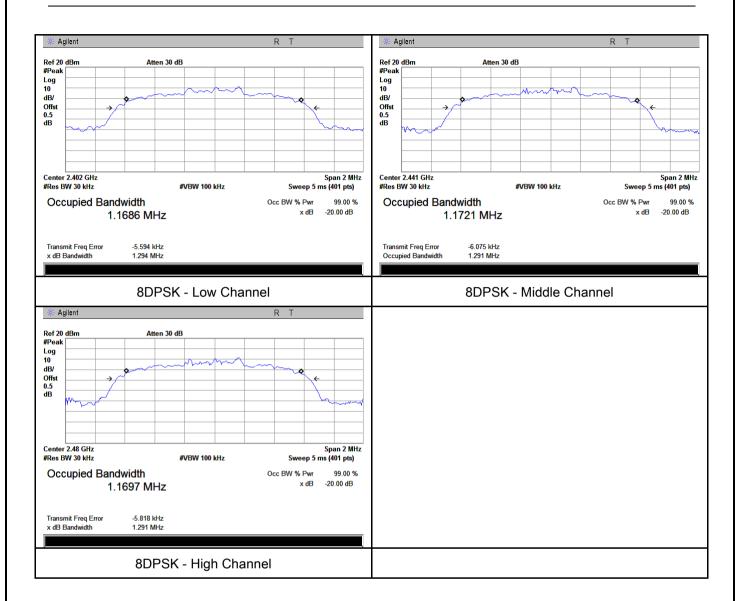
Test Plots

20dB Bandwidth measurement result





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6.4 Peak Output Power

| Temperature | 25 °C |
|----------------------|---------------|
| Relative Humidity | 54% |
| Atmospheric Pressure | 1010mbar |
| Test date : | July 06, 2017 |
| Tested By : | Loren Luo |

Requirement(s):

| Spec | Item | Requirement Applicable | | |
|-------------|---|--|-------------|--|
| | a) | FHSS in 2400-2483.5MHz with ≥ 75 channels: ≤ 1 | 1 | |
| | | Watt | > | |
| | b) | FHSS in 5725-5850MHz: ≤ 1 Watt | | |
| \$45 247/b) | ٥) | For all other FHSS in the 2400-2483.5MHz band: | 1 | |
| §15.247(b) | c) | ≤ 0.125 Watt. | > | |
| (3) | d) | FHSS in 902-928MHz with ≥ 50 channels: ≤ 1 Watt | | |
| | ٥) | FHSS in 902-928MHz with ≥ 25 & <50 channels: | 1 | |
| | e) | ≤ 0.25 Watt | Ш | |
| | f) | DTS in 902-928MHz, 2400-2483.5MHz: ≤ 1 Watt | | |
| Test Setup | Spectrum Analyzer EUT | | | |
| | The te | The test follows FCC Public Notice DA 00-705 Measurement Guidelines. | | |
| | Use th | e following spectrum analyzer settings: | | |
| | - Span = approximately 5 times the 20 dB bandwidth, centered on a | | | |
| | | hopping channel | | |
| Test | - RBW > the 20 dB bandwidth of the emission being measured | | | |
| Procedure | - VBW≥ RBW | | | |
| | - | Sweep = auto | | |
| | - Detector function = peak | | | |
| | - Trace = max hold | | | |
| | - | Allow the trace to stabilize. | | |



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| | - Use the marker-to-peak function to set the marker to the peak of the |
|-----------|--|
| | emission. The indicated level is the peak output power (see the note |
| | above regarding external attenuation and cable loss). The limit is |
| | specified in one of the subparagraphs of this Section. Submit this |
| | plot. A peak responding power meter may be used instead of a |
| | spectrum analyzer. |
| Remark | |
| Result | Pass Fail |
| | |
| Test Data | Yes N/A |

Peak Output Power measurement result

Test Plot

Yes (See below)

N/A

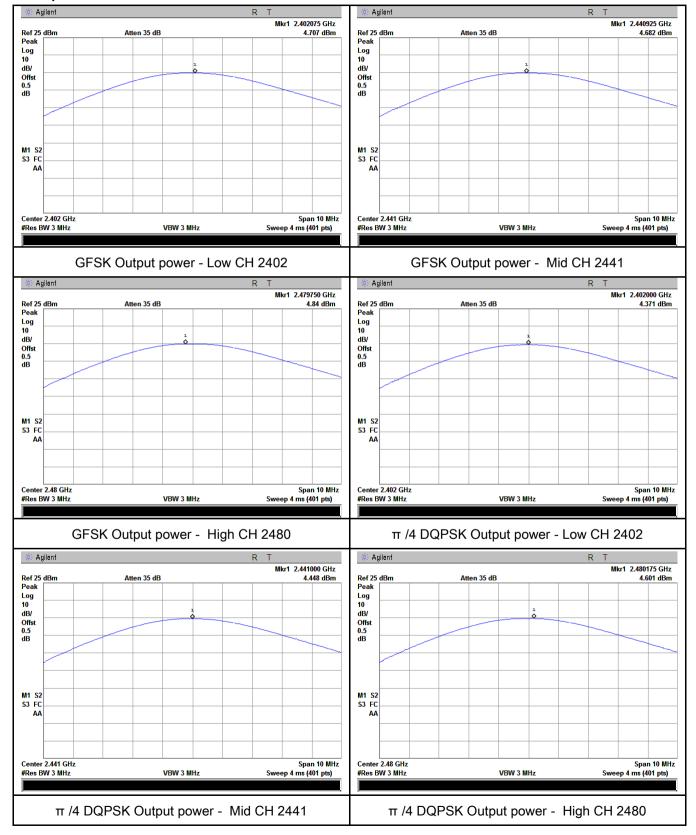
| Туре | Modulation | СН | Frequenc y (MHz) | Conducted Power (dBm) | Limit (mW) | Result |
|--------|----------------------|------|---------------------|-----------------------|---------------|--------|
| | | Low | 2402 | 4.707 | 125 | Pass |
| | GFSK | Mid | 2441 | 4.682 | 125 | Pass |
| | | High | 2480 | 4.840 | 125 | Pass |
| 0 | π /4 DQPSK 8-DPSK | Low | 2402 | 4.371 | 125 | Pass |
| Output | | Mid | 2441 | 4.448 | 125 | Pass |
| power | | High | 2480 | 4.601 | 125 | Pass |
| | | Low | 2402 | 4.462 | 125 | Pass |
| | | Mid | 2441 | 4.527 | 125 | Pass |
| | | High | 2480 | 4.751 | 125 | Pass |



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Test Plots

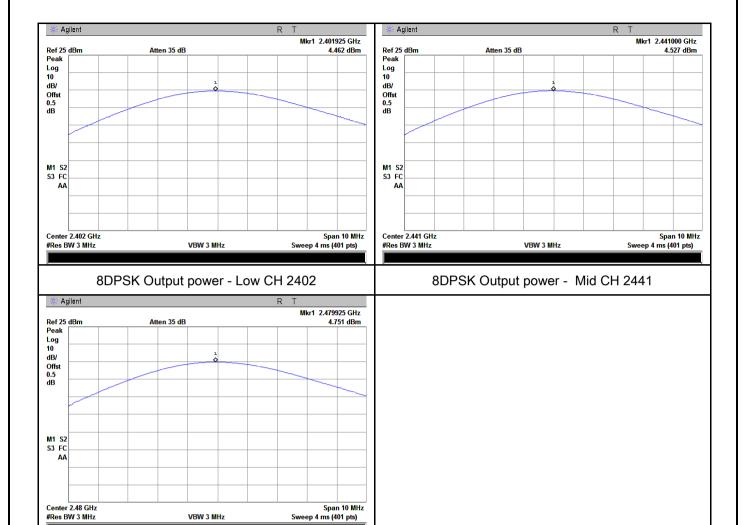
Output Power measurement result





8DPSK Output power - High CH 2480

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6.5 Number of Hopping Channel

| Temperature | 25 °C |
|----------------------|---------------|
| Relative Humidity | 54% |
| Atmospheric Pressure | 1010mbar |
| Test date : | July 06, 2017 |
| Tested By : | Loren Luo |

| Requirement(s): | | | | | |
|---------------------|--|--|-------------|--|--|
| Spec | Item | Requirement | Applicable | | |
| §15.247(a) (1)(iii) | a) | FHSS in 2400-2483.5MHz ≥ 15 channels | V | | |
| Test Setup | | Spectrum Analyzer EUT | | | |
| | The te | st follows FCC Public Notice DA 00-705 Measurement Gu | ıidelines. | | |
| | Use the | e following spectrum analyzer settings: | | | |
| | The El | JT must have its hopping function enabled. | | | |
| | - | Span = the frequency band of operation | | | |
| | - | RBW ≥ 1% of the span | | | |
| _ , | - | VBW ≥ RBW | | | |
| Test | - | Sweep = auto | | | |
| Procedure | - | Detector function = peak | | | |
| | - | Trace = max hold | | | |
| | - | Allow trace to fully stabilize. | | | |
| | - | It may prove necessary to break the span up to sections, | in order to | | |
| | clearly show all of the hopping frequencies. The limit is specified in | | | | |
| | | one of the subparagraphs of this Section. Submit this plot | :(s). | | |
| Remark | | | | | |
| Result | Pas | Fail | | | |
| Test Data | Yes | N/A | | | |
| Test Plot | Yes (See | e below) | | | |



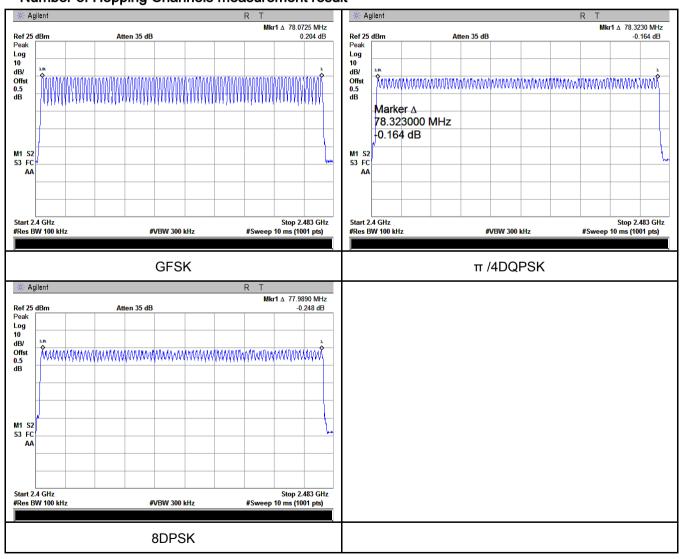
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Number of Hopping Channel measurement result

| Туре | Modulation | Frequency Range | Number of Hopping Channel | Limit |
|-----------------|------------|-----------------|------------------------------|-------|
| Number | GFSK | 2400-2483.5 | 79 | 15 |
| Number of | π /4 DQPSK | 2400-2483.5 | 79 | 15 |
| Hopping Channel | 8-DPSK | 2400-2483.5 | 79 | 15 |

Test Plots

Number of Hopping Channels measurement result





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6.6 Time of Occupancy (Dwell Time)

| | • |
|----------------------|---------------|
| Temperature | 25 °C |
| Relative Humidity | 54% |
| Atmospheric Pressure | 1010mbar |
| Test date : | July 06, 2017 |
| Tested By: | Loren Luo |

Requirement(s):

| Spec | Item | Requirement | Applicable |
|---------------------|---------|---|-------------|
| §15.247(a) (1)(iii) | a) | Dwell Time < 0.4s | V |
| Test Setup | | Spectrum Analyzer EUT | |
| Test Procedure | Use the | st follows FCC Public Notice DA 00-705 Measurement G e following spectrum analyzer Span = zero span, centered on a hopping channel RBW = 1 MHz VBW ≥ RBW Sweep = as necessary to capture the entire dwell time p channel Detector function = peak Trace = max hold use the marker-delta function to determine the dwell time | per hopping |
| Remark | | | |
| Result | Pas | s Fail | |

| Test Data | Yes | □ _{N/A} |
|-----------|-----------------|------------------|
| Test Plot | Yes (See below) | □ _{N/A} |



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|-------------|-----------------|
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Dwell Time measurement result

| Туре | Modulation | СН | Pulse Width | Dwell Time | Limit | Result |
|--|--------------|------|-------------|------------|-------|---------|
| .,,,, | Modalation | 011 | (ms) | (ms) | (ms) | rtoodit |
| | | Low | 2.890 | 308.267 | 400 | Pass |
| | GFSK | Mid | 2.910 | 310.400 | 400 | Pass |
| | | High | 2.890 | 308.267 | 400 | Pass |
| | | Low | 2.920 | 311.467 | 400 | Pass |
| Dwell Time | e π /4 DQPSK | Mid | 2.910 | 310.400 | 400 | Pass |
| | | High | 2.900 | 309.333 | 400 | Pass |
| | | Low | 2.910 | 310.400 | 400 | Pass |
| | 8-DPSK | Mid | 2.910 | 310.400 | 400 | Pass |
| | | High | 2.910 | 310.400 | 400 | Pass |
| Note: Dwell time - Dules Time (res) v (4600 + 6 + 70) v 24.6 | | | | | | |

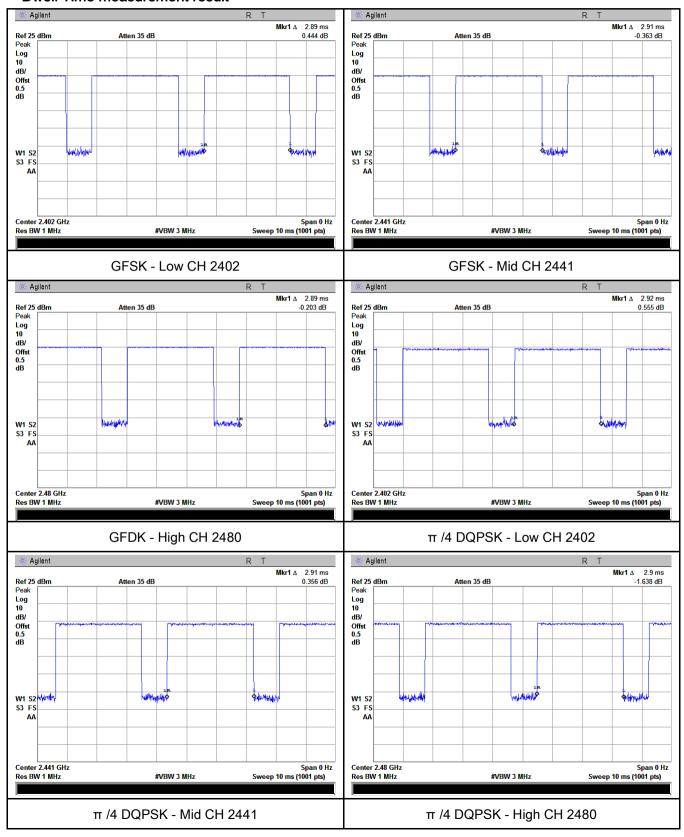
Note: Dwell time=Pulse Time (ms) × (1600 \div 6 \div 79) ×31.6



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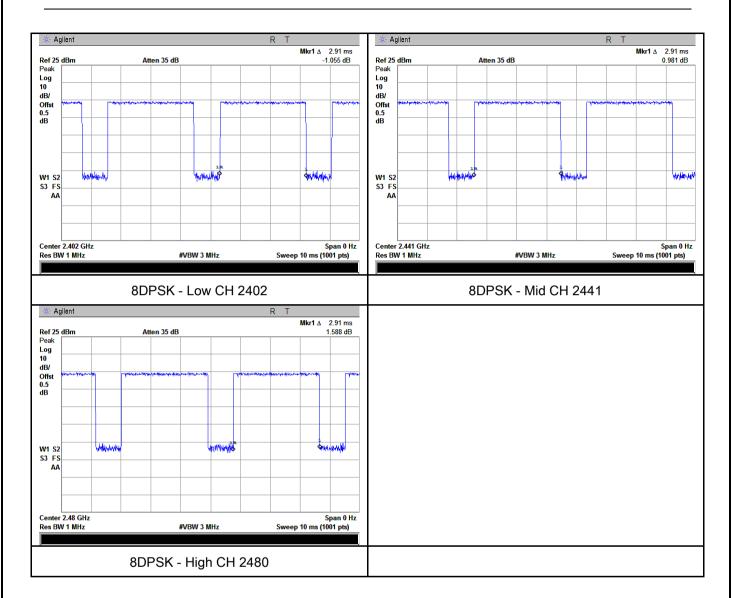
Test Plots

Dwell Time measurement result





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6.7 Band Edge & Restricted Band

| Temperature | 25 °C |
|----------------------|---------------|
| Relative Humidity | 57% |
| Atmospheric Pressure | 1015mbar |
| Test date : | July 07, 2017 |
| Tested By : | Loren Luo |

Requirement(s):

| Spec | Item | Requirement | Applicable |
|------------------------|---|---|------------|
| §15.247(a) (1)(iii) | a) | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. | V |
| Test Setup | Ant. Tower Support Units Ground Plane Test Receiver | | |
| Test Procedure | The test follows FCC Public Notice DA 00-705 Measurement Guidelines. Radiated Method Only 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator. 2. Position the EUT without connection to measurement instrument. Put it on the Rotated table and turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, | | |



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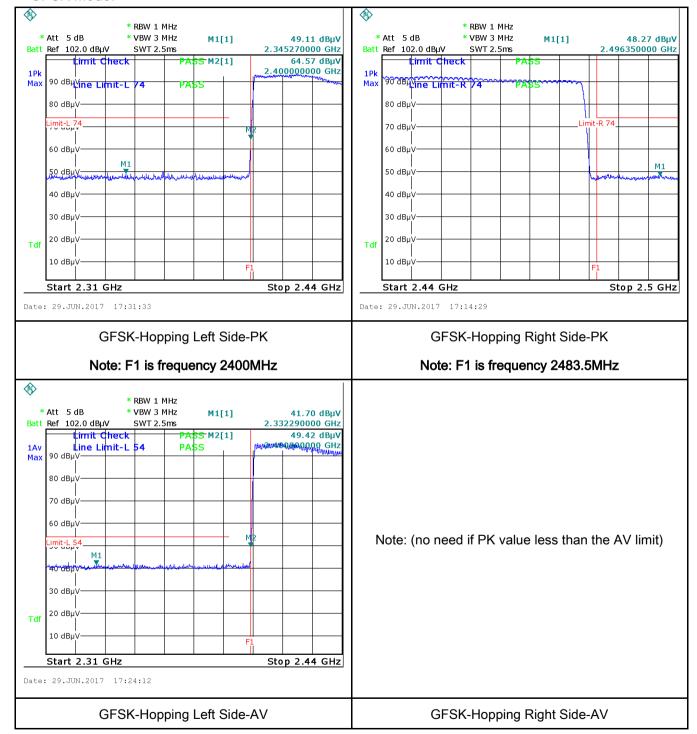
| - | and make sure the instrument is operated in its linear range. |
|-----------|--|
| | · |
| | - 3. First, set both RBW and VBW of spectrum analyzer to 100 kHz with a |
| | convenient frequency span including 100kHz bandwidth from band edge, check |
| | the emission of EUT, if pass then set Spectrum Analyzer as below: |
| | a. The resolution bandwidth and video bandwidth of test receiver/spectrum |
| | analyzer is 120 kHz for Quasiy Peak detection at frequency below 1GHz. |
| | b. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and |
| | video bandwidth is 3MHz with Peak detection for Peak measurement at |
| | frequency above 1GHz. |
| | c. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the |
| | video bandwidth is 10Hz with Peak detection for Average Measurement as |
| | below at frequency above 1GHz. |
| | - 4. Measure the highest amplitude appearing on spectral display and set it as a |
| | reference level. Plot the graph with marking the highest point and edge |
| | frequency. |
| | - 5. Repeat above procedures until all measured frequencies were complete. |
| Remark | |
| | |
| Result | Pass Fail |
| | |
| Tool Data | □ _{Yes} □ _{N/A} |
| Test Data | Yes N/A |
| Test Plot | Yes (See below) N/A |



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|-------------|-----------------|
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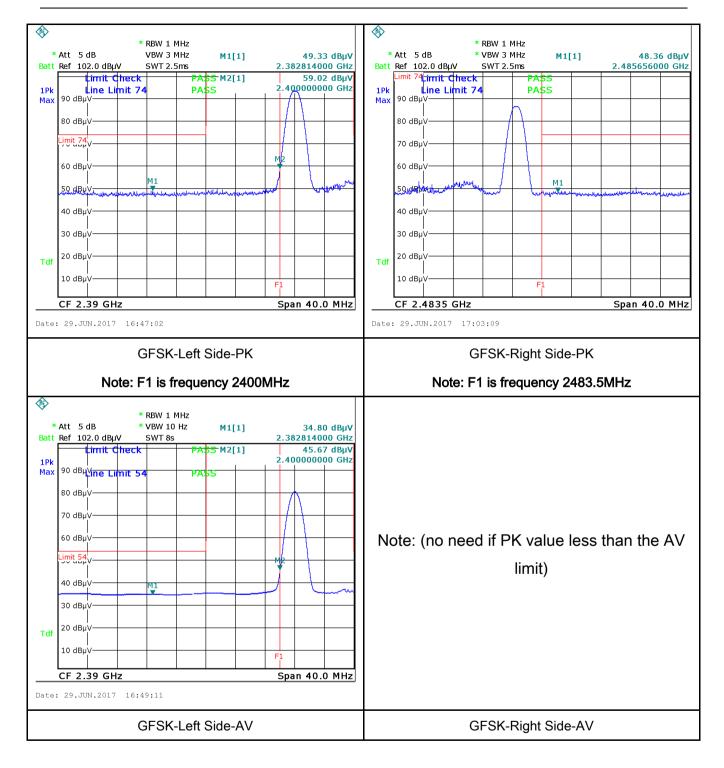
Test Plots

GFSK Mode:





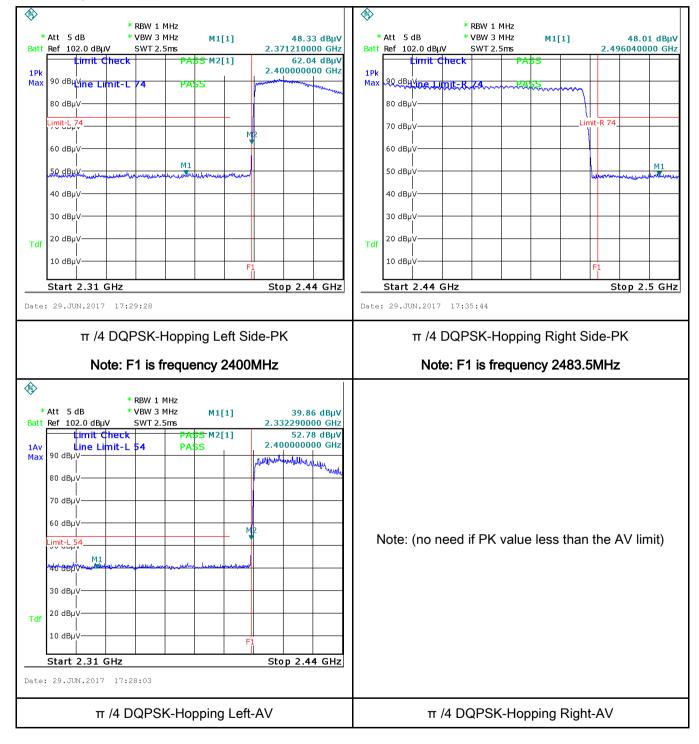
| Test Report | 17070325-FCC-R2 |
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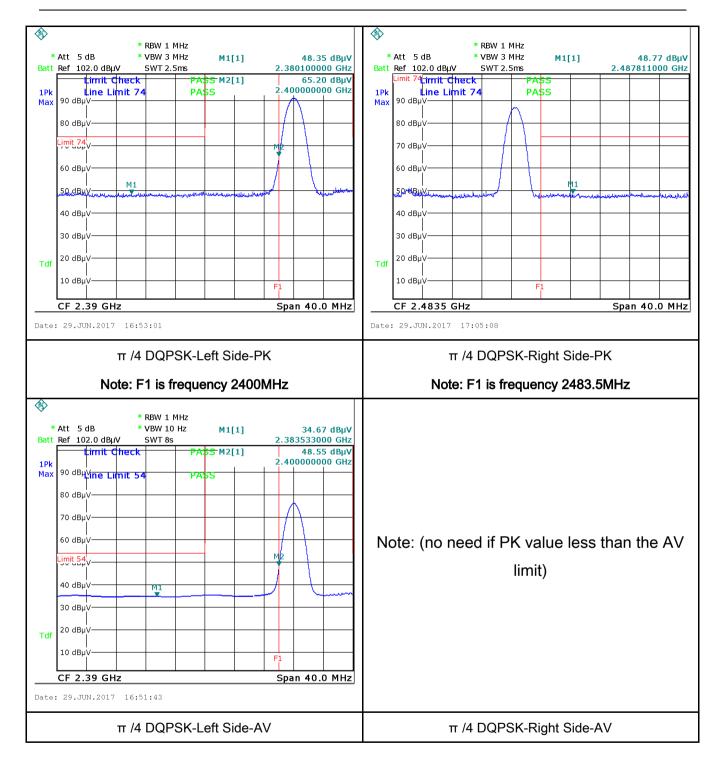
| Test Report | 17070325-FCC-R2 |
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π /4 DQPSK Mode:





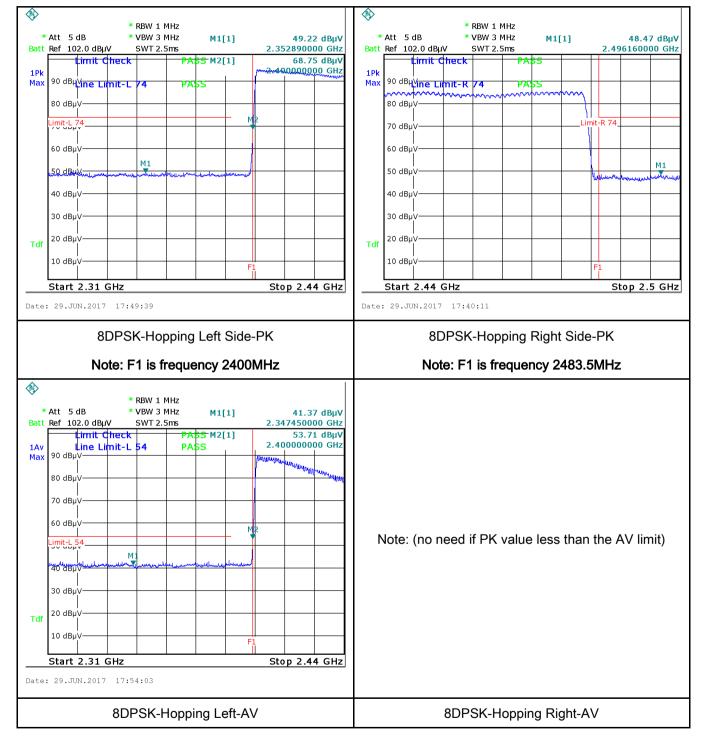
| Test Report | 17070325-FCC-R2 | |
|-------------|-----------------|--|
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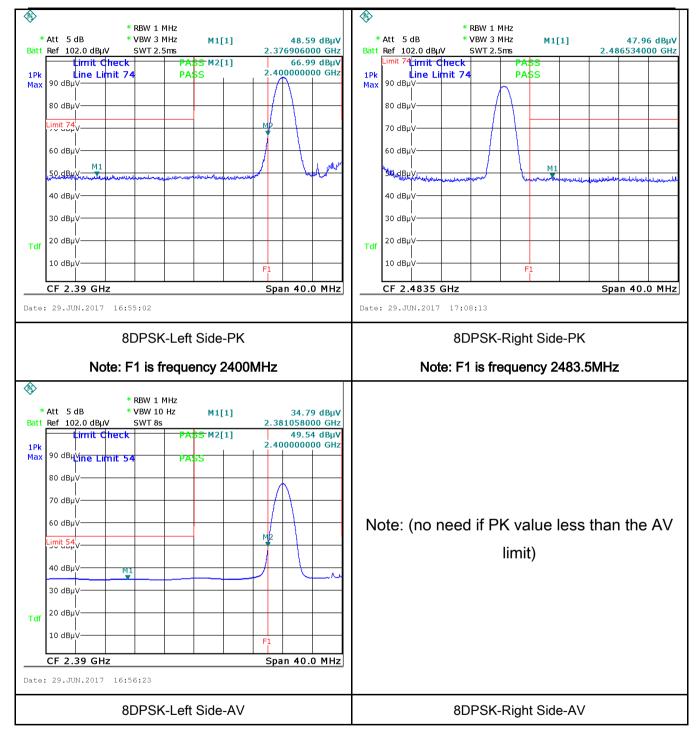
| Test Report | 17070325-FCC-R2 |
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8-DPSK Mode:





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|-------------|-----------------|--|
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6.8 AC Power Line Conducted Emissions

| Temperature | 25 °C |
|----------------------|---------------|
| Relative Humidity | 54% |
| Atmospheric Pressure | 1010mbar |
| Test date : | July 06, 2017 |
| Tested By : | Loren Luo |

Requirement(s):

| Spec | Item | Requirement | | | Applicable |
|---------------------------------------|--|---|---------|---------|-------------|
| 47CFR§15. 207, RSS210 (A8.1) | a) | For Low-power radio-frequency devices that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 [mu]H/50 ohms line impedance stabilization network (LISN). The lower limit applies at the boundary between the frequencies ranges. Frequency ranges Limit (dBµV) | | | V |
| , , | | (MHz) | QP | Average | |
| | | 0.15 ~ 0.5 | 66 – 56 | 56 – 46 | |
| | | 0.5 ~ 5 | 56 | 46 | |
| | | 5 ~ 30 | 60 | 50 | |
| Test Setup | Horizontal Ground Reference Plane | | | | |
| | Note: 1.Support units were connected to second LISN. 2.Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units. | | | | |
| | 1. The EUT and supporting equipment were set up in accordance with the requirements of | | | | |
| | | the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table. | | | |
| Procedure | The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains. | | | | onnected to |
| | 3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss | | | | |



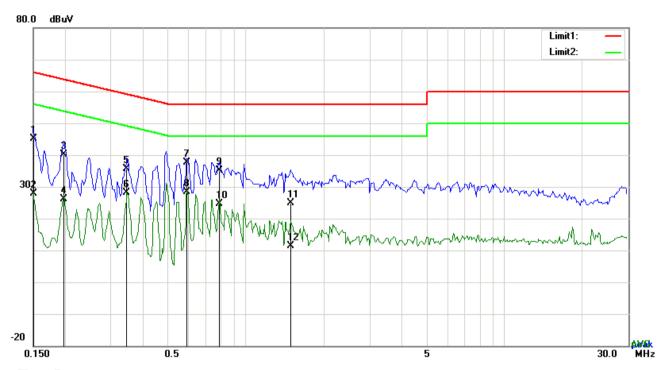
| Test Report | 17070325-FCC-R2 |
|-------------|-----------------|
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| | coaxial cable. |
|-----------|---|
| | 4. All other supporting equipment were powered separately from another main supply. |
| | 5. The EUT was switched on and allowed to warm up to its normal operating condition. |
| | 6. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) |
| | over the required frequency range using an EMI test receiver. |
| | 7. High peaks, relative to the limit line, The EMI test receiver was then tuned to the |
| | selected frequencies and the necessary measurements made with a receiver bandwidth |
| | setting of 10 kHz. |
| | 8. Step 7 was then repeated for the LIVE line (for AC mains) or DC line (for DC power). |
| Remark | |
| Result | Pass Fail |
| | |
| Test Data | Yes N/A |
| Test Plot | Yes (See below) |



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|-------------|-----------------|
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| Test Mode: | Bluetooth Mode | |
|------------|----------------|--|



Test Data

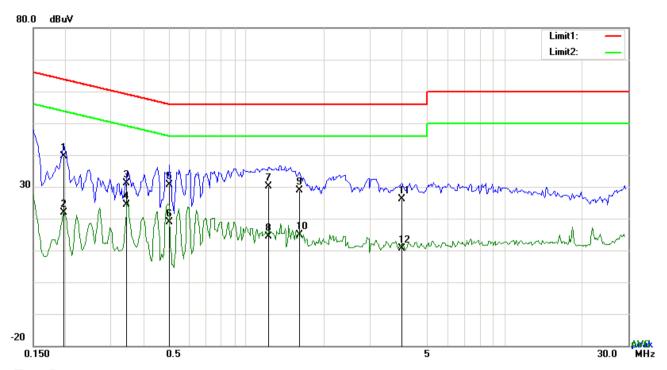
Phase Line Plot at 120Vac, 60Hz

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit | Margin |
|-----|-----|-----------|---------|----------|-----------|--------|--------|--------|
| | | (MHz) | (dBuV) | | (dB} | (dBuV) | (dBuV) | (dB) |
| 1 | L1 | 0.1500 | 34.98 | QP | 10.03 | 45.01 | 66.00 | -20.99 |
| 2 | L1 | 0.1500 | 17.77 | AVG | 10.03 | 27.80 | 56.00 | -28.20 |
| 3 | L1 | 0.1968 | 30.09 | QP | 10.03 | 40.12 | 63.74 | -23.62 |
| 4 | L1 | 0.1968 | 16.04 | AVG | 10.03 | 26.07 | 53.74 | -27.67 |
| 5 | L1 | 0.3450 | 25.65 | QP | 10.03 | 35.68 | 59.08 | -23.40 |
| 6 | L1 | 0.3450 | 18.19 | AVG | 10.03 | 28.22 | 49.08 | -20.86 |
| 7 | L1 | 0.5907 | 27.70 | QP | 10.03 | 37.73 | 56.00 | -18.27 |
| 8 | L1 | 0.5907 | 18.31 | AVG | 10.03 | 28.34 | 46.00 | -17.66 |
| 9 | L1 | 0.7896 | 25.08 | QP | 10.03 | 35.11 | 56.00 | -20.89 |
| 10 | L1 | 0.7896 | 14.55 | AVG | 10.03 | 24.58 | 46.00 | -21.42 |
| 11 | L1 | 1.4838 | 14.96 | QP | 10.04 | 25.00 | 56.00 | -31.00 |
| 12 | L1 | 1.4838 | 1.37 | AVG | 10.04 | 11.41 | 46.00 | -34.59 |



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Test Mode: Bluetooth Mode



Test Data

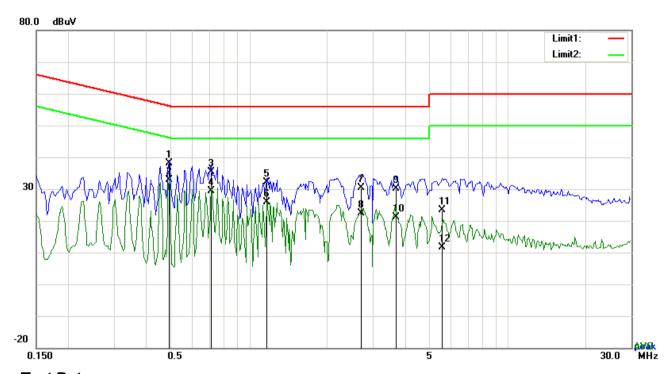
Phase Neutral Plot at 120Vac, 60Hz

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit | Margin |
|-----|-----|-----------|---------|----------|-----------|--------|--------|--------|
| | | (MHz) | (dBuV) | | (dB} | (dBuV) | (dBuV) | (dB) |
| 1 | N | 0.1968 | 29.53 | QP | 10.02 | 39.55 | 63.74 | -24.19 |
| 2 | N | 0.1968 | 11.91 | AVG | 10.02 | 21.93 | 53.74 | -31.81 |
| 3 | N | 0.3450 | 21.20 | QP | 10.02 | 31.22 | 59.08 | -27.86 |
| 4 | N | 0.3450 | 14.31 | AVG | 10.02 | 24.33 | 49.08 | -24.75 |
| 5 | N | 0.5049 | 20.70 | QP | 10.02 | 30.72 | 56.00 | -25.28 |
| 6 | N | 0.5049 | 8.88 | AVG | 10.02 | 18.90 | 46.00 | -27.10 |
| 7 | N | 1.2225 | 20.17 | QP | 10.03 | 30.20 | 56.00 | -25.80 |
| 8 | N | 1.2225 | 4.24 | AVG | 10.03 | 14.27 | 46.00 | -31.73 |
| 9 | N | 1.6047 | 18.76 | QP | 10.04 | 28.80 | 56.00 | -27.20 |
| 10 | N | 1.6047 | 4.78 | AVG | 10.04 | 14.82 | 46.00 | -31.18 |
| 11 | N | 3.9867 | 16.09 | QP | 10.06 | 26.15 | 56.00 | -29.85 |
| 12 | N | 3.9867 | 0.65 | AVG | 10.06 | 10.71 | 46.00 | -35.29 |



| Test Report | 17070325-FCC-R2 |
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Test Mode: Bluetooth Mode



Test Data

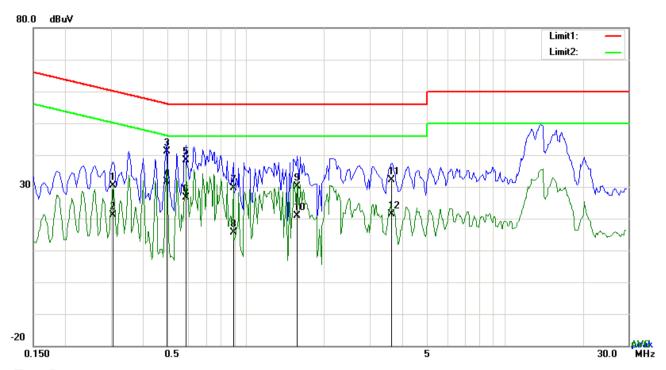
Phase Line Plot at 240Vac, 60Hz

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit | Margin |
|-----|-----|-----------|---------|----------|-----------|--------|--------|--------|
| | | (MHz) | (dBuV) | | (dB} | (dBuV) | (dBuV) | (dB) |
| 1 | L1 | 0.4893 | 28.08 | QP | 10.03 | 38.11 | 56.18 | -18.07 |
| 2 | L1 | 0.4893 | 22.87 | AVG | 10.03 | 32.90 | 46.18 | -13.28 |
| 3 | L1 | 0.7155 | 25.40 | QP | 10.03 | 35.43 | 56.00 | -20.57 |
| 4 | L1 | 0.7155 | 19.41 | AVG | 10.03 | 29.44 | 46.00 | -16.56 |
| 5 | L1 | 1.1718 | 22.08 | QP | 10.03 | 32.11 | 56.00 | -23.89 |
| 6 | L1 | 1.1718 | 15.79 | AVG | 10.03 | 25.82 | 46.00 | -20.18 |
| 7 | L1 | 2.7201 | 20.25 | QP | 10.05 | 30.30 | 56.00 | -25.70 |
| 8 | L1 | 2.7201 | 12.24 | AVG | 10.05 | 22.29 | 46.00 | -23.71 |
| 9 | L1 | 3.7020 | 20.02 | QP | 10.06 | 30.08 | 56.00 | -25.92 |
| 10 | L1 | 3.7020 | 11.19 | AVG | 10.06 | 21.25 | 46.00 | -24.75 |
| 11 | L1 | 5.5740 | 13.32 | QP | 10.09 | 23.41 | 60.00 | -36.59 |
| 12 | L1 | 5.5740 | 1.42 | AVG | 10.09 | 11.51 | 50.00 | -38.49 |



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| Test Mode: | Bluetooth Mode |
|------------|----------------|
| | |



Test Data

Phase Neutral Plot at 240Vac, 60Hz

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit | Margin |
|-----|-----|-----------|---------|----------|-----------|--------|--------|--------|
| | | (MHz) | (dBuV) | | (dB) | (dBuV) | (dBuV) | (dB) |
| 1 | N | 0.3060 | 20.28 | QP | 10.02 | 30.30 | 60.08 | -29.78 |
| 2 | N | 0.3060 | 11.12 | AVG | 10.02 | 21.14 | 50.08 | -28.94 |
| 3 | N | 0.4932 | 31.06 | QP | 10.02 | 41.08 | 56.11 | -15.03 |
| 4 | N | 0.4932 | 21.53 | AVG | 10.02 | 31.55 | 46.11 | -14.56 |
| 5 | N | 0.5868 | 28.28 | QP | 10.02 | 38.30 | 56.00 | -17.70 |
| 6 | N | 0.5868 | 16.55 | AVG | 10.02 | 26.57 | 46.00 | -19.43 |
| 7 | N | 0.8910 | 19.53 | QP | 10.03 | 29.56 | 56.00 | -26.44 |
| 8 | N | 0.8910 | 5.59 | AVG | 10.03 | 15.62 | 46.00 | -30.38 |
| 9 | N | 1.5696 | 20.09 | QP | 10.04 | 30.13 | 56.00 | -25.87 |
| 10 | N | 1.5696 | 10.72 | AVG | 10.04 | 20.76 | 46.00 | -25.24 |
| 11 | N | 3.6591 | 22.05 | QP | 10.06 | 32.11 | 56.00 | -23.89 |
| 12 | N | 3.6591 | 11.23 | AVG | 10.06 | 21.29 | 46.00 | -24.71 |



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6.9 Radiated Emissions & Restricted Band

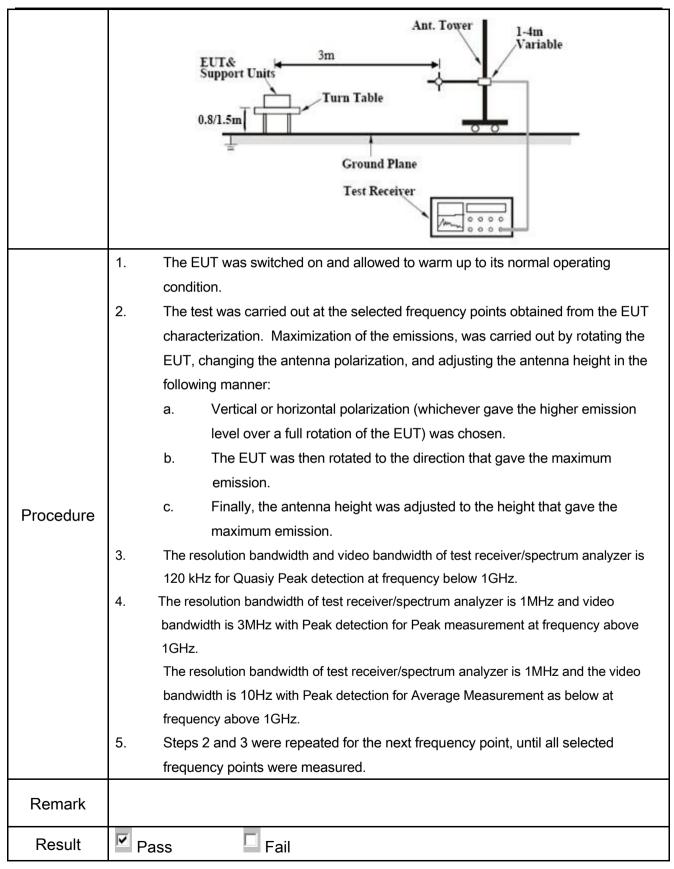
| Temperature | 25 °C |
|----------------------|---------------|
| Relative Humidity | 55% |
| Atmospheric Pressure | 1012mbar |
| Test date : | July 10, 2017 |
| Tested By: | Loren Luo |

Requirement(s):

| Spec | Item | Requirement Applicable | | | | | | | |
|-------------|------|---|-------------------------|--|--|--|--|--|--|
| 47CFR§15. | | Except higher limit as specified else emissions from the low-power radio exceed the field strength levels specified the level of any unwanted emissions the fundamental emission. The tight edges | | | | | | | |
| 205, | ۵) | Frequency range (MHz) | Field Strength (μV/m) | ✓ | | | | | |
| §15.209, | a) | 0.009~0.490 | 2400/F(KHz) | V | | | | | |
| §15.247(d) | | 0.490~1.705 | 24000/F(KHz) | | | | | | |
| 310.247 (d) | | 1.705~30.0 | 30 | | | | | | |
| | | 30 – 88 | 100 | | | | | | |
| | | 88 – 216 | 150 | | | | | | |
| | | 216 960 | 200 | | | | | | |
| | | Above 960 | 500 | | | | | | |
| Test Setup | | EUT G | 3 meter RF Tes Receive | Anna di na | | | | | |



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|-------------|-----------------|
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Test Data







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Test Plot

| Yes (See belo |
|---------------|
|---------------|

□_{N/A}

Test Result:

Test Mode: Bluetooth Mode

Frequency range: 9KHz - 30MHz

| Freq. | Detection | Factor | Reading | Result | Limit@3m | Margin |
|-------|-----------|--------|----------|----------|----------|--------|
| (MHz) | value | (dB/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dB) |
| | | | | | | >20 |
| | | | | | | >20 |

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =40 log (specific distance/test distance)(dB);

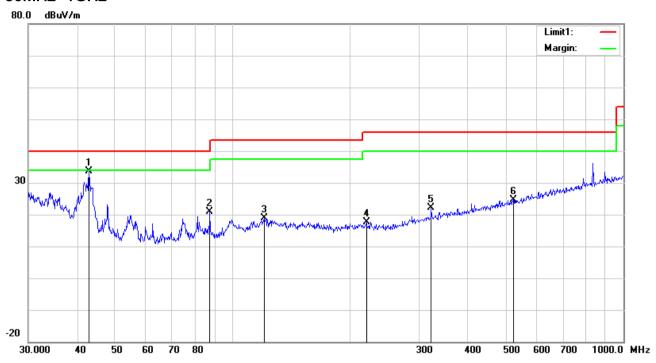
Limit line = specific limits(dBuv) + distance extrapolation factor.



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Test Mode: Bluetooth Mode

30MHz -1GHz



Test Data

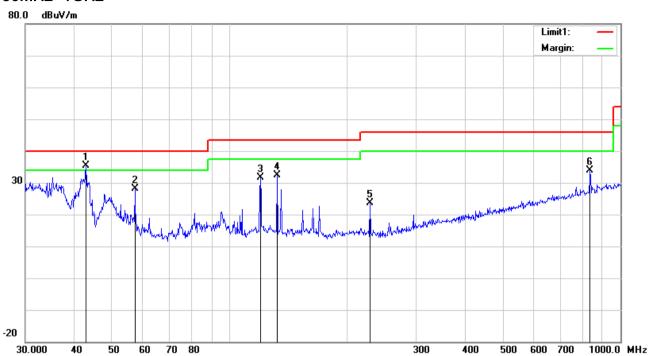
Horizontal Polarity Plot @3m

| No. | P/L | Frequency | Reading | Detect | Ant_F | PA_G | Cab_L | Result | Limit | Margin | Height | Degr |
|-----|-----|-----------|----------|--------|--------|-------|-------|----------|----------|--------|--------|------|
| | .,_ | | | or | | | | | | | | ее |
| | | (MHz) | (dBuV/m) | | (dB/m) | (dB) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | (cm) | () |
| 1 | Н | 42.8998 | 43.09 | peak | 11.99 | 22.29 | 0.77 | 33.56 | 40.00 | -6.44 | 100 | 292 |
| 2 | Н | 87.4177 | 34.20 | peak | 7.90 | 22.35 | 1.01 | 20.76 | 40.00 | -19.24 | 100 | 264 |
| 3 | Н | 120.2766 | 26.20 | peak | 13.88 | 22.36 | 1.16 | 18.88 | 43.50 | -24.62 | 100 | 225 |
| 4 | Η | 219.8449 | 26.56 | peak | 11.82 | 22.34 | 1.60 | 17.64 | 46.00 | -28.36 | 100 | 125 |
| 5 | Н | 322.1886 | 28.43 | peak | 14.07 | 22.23 | 1.90 | 22.17 | 46.00 | -23.83 | 100 | 172 |
| 6 | Н | 522.7180 | 25.96 | peak | 18.02 | 21.76 | 2.45 | 24.67 | 46.00 | -21.33 | 100 | 92 |



| Test Report | 17070325-FCC-R2 |
|-------------|-----------------|
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30MHz -1GHz



Test Data

Vertical Polarity Plot @3m

| No. | P/L | Frequency | Reading | Detect or | Ant_F | PA_G | Cab_L | Result | Limit | Margin | Height | Degr ee |
|-----|-----|-----------|----------|--------------|--------|-------|-------|----------|----------|--------|--------|------------|
| | | (MHz) | (dBuV/m) | OI . | (dB/m) | (dB) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | (cm) | () |
| 1 | ٧ | 42.8998 | 45.01 | QP | 11.99 | 22.29 | 0.77 | 35.48 | 40.00 | -4.52 | 100 | 151 |
| 2 | V | 57.1914 | 42.12 | peak | 7.61 | 22.40 | 0.77 | 28.10 | 40.00 | -11.90 | 100 | 258 |
| 3 | V | 119.8556 | 39.02 | peak | 13.87 | 22.36 | 1.16 | 31.69 | 43.50 | -11.81 | 100 | 156 |
| 4 | V | 132.2206 | 40.41 | peak | 13.11 | 22.39 | 1.22 | 32.35 | 43.50 | -11.15 | 100 | 198 |
| 5 | V | 228.4904 | 32.53 | peak | 11.70 | 22.33 | 1.63 | 23.53 | 46.00 | -22.47 | 100 | 356 |
| 6 | V | 836.2443 | 30.16 | peak | 21.80 | 21.05 | 2.89 | 33.80 | 46.00 | -12.20 | 100 | 276 |



| Test Report | 17070325-FCC-R2 |
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Above 1GHz

| le: Transmitting Mode |
|-----------------------|
|-----------------------|

Low Channel: GFSK Mode (Worst Case) (2402 MHz)

| Frequency (MHz) | S.A. Reading (dBµV) | Detector (PK/AV) | Polarity (H/V) | Ant. Factor (dB/m) | Cable Loss (dB) | Pre- Amp. Gain (dB) | Cord. Amp. (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|--------------------|---------------------------|---------------------|-------------------|--------------------------|-----------------------|------------------------------|---------------------------|-------------------|----------------|
| 4804 | 38.93 | AV | V | 33.39 | 7.22 | 48.46 | 31.08 | 54 | -22.92 |
| 4804 | 39.78 | AV | Н | 33.39 | 7.22 | 48.46 | 31.93 | 54 | -22.07 |
| 4804 | 47.9 | PK | V | 33.39 | 7.22 | 48.46 | 40.05 | 74 | -33.95 |
| 4804 | 45.85 | PK | Н | 33.39 | 7.22 | 48.46 | 38 | 74 | -36 |
| 12806 | 23.77 | AV | V | 40.76 | 13.5 | 46.88 | 31.15 | 54 | -22.85 |
| 12806 | 25.03 | AV | Н | 40.76 | 13.5 | 46.88 | 32.41 | 54 | -21.59 |
| 12806 | 39.66 | PK | V | 40.76 | 13.5 | 46.88 | 47.04 | 74 | -26.96 |
| 12806 | 41.53 | PK | Н | 40.76 | 13.5 | 46.88 | 48.91 | 74 | -25.09 |

Middle Channel: GFSK Mode (Worst Case) (2441 MHz)

| Frequency (MHz) | S.A. Reading (dBµV) | Detector (PK/AV) | Polarity (H/V) | Ant. Factor (dB/m) | Cable Loss (dB) | Pre- Amp. Gain (dB) | Cord. Amp. (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|--------------------|---------------------------|---------------------|-------------------|--------------------------|-----------------------|------------------------------|---------------------------|-------------------|----------------|
| 4882 | 39.53 | AV | V | 33.62 | 7.53 | 48.36 | 32.32 | 54 | -21.68 |
| 4882 | 38.73 | AV | Н | 33.62 | 7.53 | 48.36 | 31.52 | 54 | -22.48 |
| 4882 | 49.17 | PK | V | 33.62 | 7.53 | 48.36 | 41.96 | 74 | -32.04 |
| 4882 | 46.76 | PK | Н | 33.62 | 7.53 | 48.36 | 39.55 | 74 | -34.45 |
| 9817 | 24.78 | AV | V | 39.58 | 9.73 | 46.84 | 27.25 | 54 | -26.75 |
| 9817 | 23.85 | AV | Н | 39.58 | 9.73 | 46.84 | 26.32 | 54 | -27.68 |
| 9817 | 41.56 | PK | V | 39.58 | 9.73 | 46.84 | 44.03 | 74 | -29.97 |
| 9817 | 40.8 | PK | Н | 39.58 | 9.73 | 46.84 | 43.27 | 74 | -30.73 |



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High Channel: GFSK Mode (Worst Case) (2480 MHz)

| Frequency (MHz) | S.A. Reading (dBµV) | Detector (PK/AV) | Polarity (H/V) | Ant. Factor (dB/m) | Cable Loss (dB) | Pre- Amp. Gain (dB) | Cord. Amp. (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|--------------------|---------------------------|---------------------|-------------------|--------------------------|-----------------------|------------------------------|---------------------------|-------------------|----------------|
| 4960 | 37.7 | AV | V | 33.89 | 7.86 | 48.31 | 31.14 | 54 | -22.86 |
| 4960 | 38.53 | AV | Н | 33.89 | 7.86 | 48.31 | 31.97 | 54 | -22.03 |
| 4960 | 47.05 | PK | V | 33.89 | 7.86 | 48.31 | 40.49 | 74 | -33.51 |
| 4960 | 47.22 | PK | Н | 33.89 | 7.86 | 48.31 | 40.66 | 74 | -33.34 |
| 17818 | 24.11 | AV | V | 43.21 | 19.44 | 44.4 | 42.36 | 54 | -11.64 |
| 17818 | 24.93 | AV | Н | 43.21 | 19.44 | 44.4 | 43.18 | 54 | -10.82 |
| 17818 | 41.82 | PK | V | 43.21 | 19.44 | 44.4 | 60.07 | 74 | -13.93 |
| 17818 | 40.56 | PK | Н | 43.21 | 19.44 | 44.4 | 58.81 | 74 | -15.19 |

Note:

- 1, The testing has been conformed to 10*2480MHz=24,800MHz
- 2, All other emissions more than 30 dB below the limit 3, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.



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Annex A. TEST INSTRUMENT

| Instrument | Model | Serial# | Cal Date | Cal Due | In use |
|---|----------|-------------|------------|------------|-------------|
| AC Line Conducted | | | - | | |
| EMI test receiver | ESCS30 | 8471241027 | 09/16/2016 | 09/15/2017 | ~ |
| Line Impedance | LI-125A | 191106 | 09/24/2016 | 09/23/2017 | ~ |
| Line Impedance | LI-125A | 191107 | 09/24/2016 | 09/23/2017 | ~ |
| ISN | ISN T800 | 34373 | 09/24/2016 | 09/23/2017 | |
| Transient Limiter | LIT-153 | 531118 | 08/31/2016 | 08/30/2017 | V |
| RF conducted test | | | | | |
| Agilent ESA-E SERIES | E4407B | MY45108319 | 09/16/2016 | 09/15/2017 | > |
| Power Splitter | 1# | 1# | 08/31/2016 | 08/30/2017 | > |
| DC Power Supply | E3640A | MY40004013 | 09/16/2016 | 09/15/2017 | > |
| Radiated Emissions | | | | | |
| EMI test receiver | ESL6 | 100262 | 09/16/2016 | 09/15/2017 | ~ |
| Positioning Controller | UC3000 | MF780208282 | 11/18/2016 | 11/17/2017 | > |
| OPT 010 AMPLIFIER (0.1-1300MHz) | 8447E | 2727A02430 | 08/31/2016 | 08/30/2017 | V |
| Microwave Preamplifier (1 ~ 26.5GHz) | 8449B | 3008A02402 | 03/23/2017 | 03/22/2018 | \ |
| Active Antenna (9kHz-30MHz) | AL-130 | 121031 | 10/13/2016 | 10/12/2017 | < |
| Bilog Antenna (30MHz~6GHz) | JB6 | A110712 | 09/20/2016 | 09/19/2017 | \ |
| Double Ridge Horn Antenna (1 ~18GHz) | AH-118 | 71283 | 09/23/2016 | 09/22/2017 | <u>×</u> |
| Universal Radio Communication Tester | CMU200 | 121393 | 09/24/2016 | 09/23/2017 | V |



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Annex B. EUT And Test Setup Photographs

Annex B.i. Photograph: EUT External Photo



Adapter - Front View





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EUT - Front View



EUT - Rear View





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EUT - Top View



EUT - Bottom View



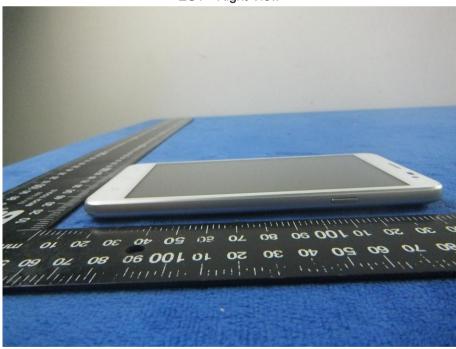


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EUT - Left View



EUT - Right View





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Annex B.ii. Photograph: EUT Internal Photo

Cover Off - Top View 1



Cover Off - Top View 2





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Battery - Front View



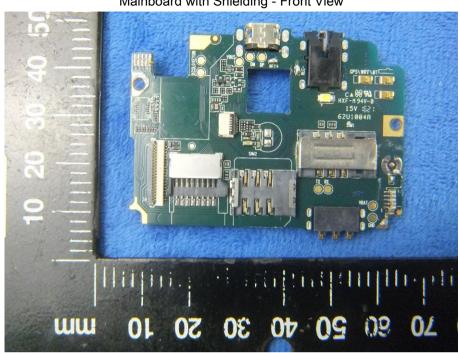
Battery - Rear View





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Mainboard with Shielding - Front View



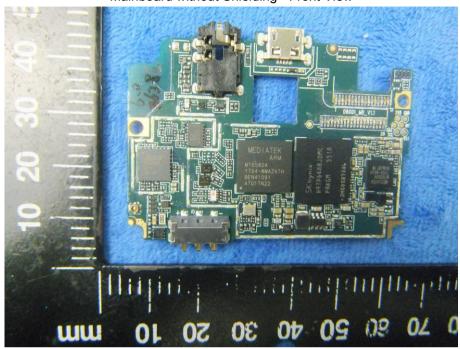
Mainboard with Shielding - Rear View



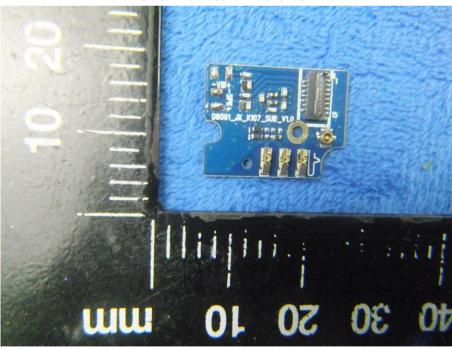


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Mainboard without Shielding - Front View



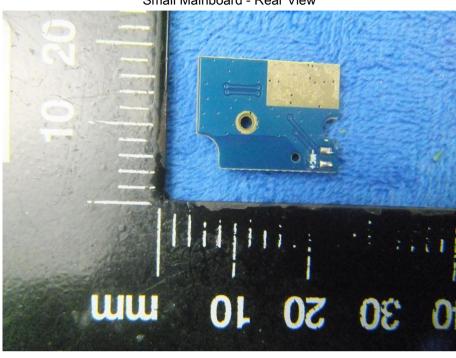
Small Mainboard - Front View





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Small Mainboard - Rear View



LCD - Front View





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LCD - Rear View



GSM/PCS/UMTS - Antenna View





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BT/WIFI - Antenna View





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Annex B.iii. Photograph: Test Setup Photo



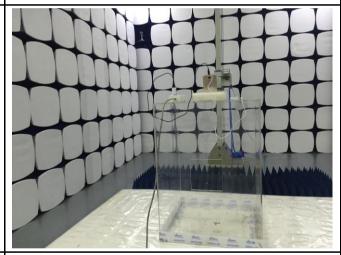
Conducted Emissions Test Setup Front View



Conducted Emissions Test Setup Side View



Radiated Spurious Emissions Test Setup Below 1GHz



Radiated Spurious Emissions Test Setup Above 1GHz

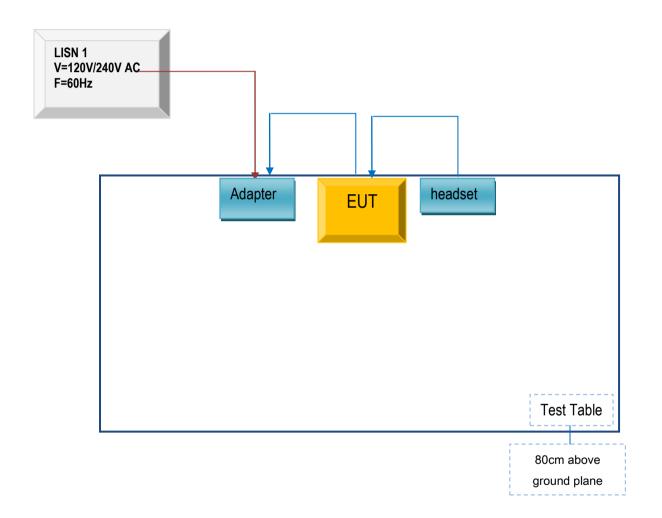


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Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

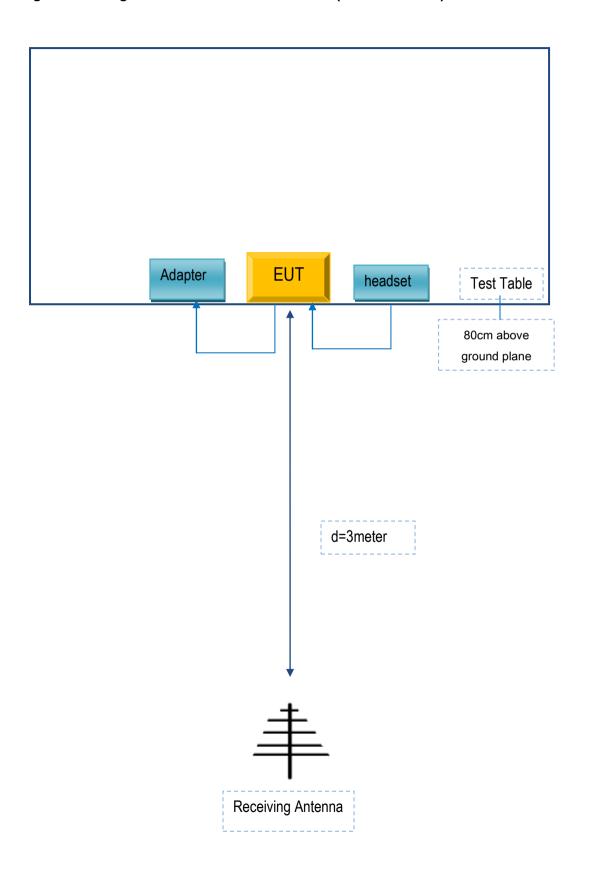
Block Configuration Diagram for AC Line Conducted Emissions





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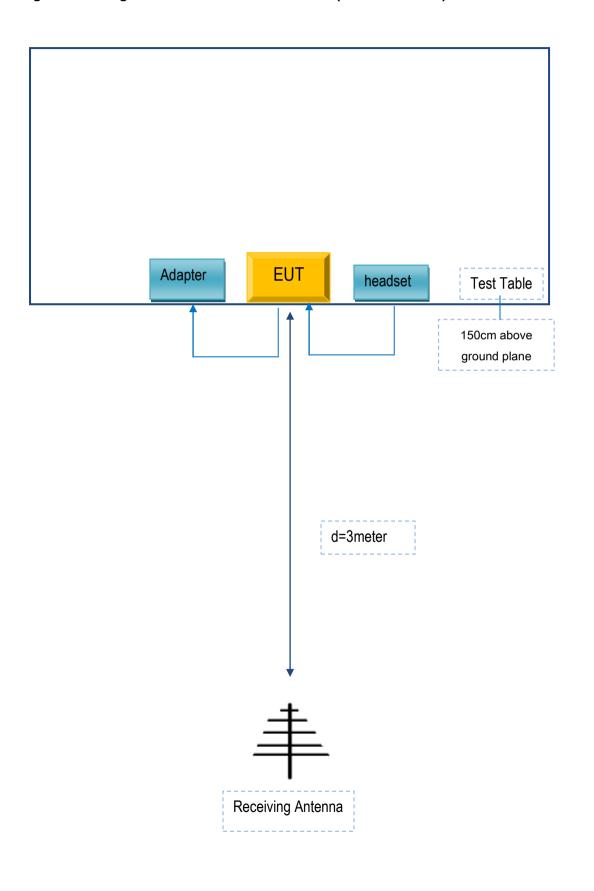
Block Configuration Diagram for Radiated Emissions (Below 1GHz).





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Block Configuration Diagram for Radiated Emissions (Above 1GHz) .





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Annex C. il. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

Supporting Equipment:

| Manufacturer | Equipment Description | Model | Serial No |
|--------------|--------------------------|--------|-----------|
| G-TOUCH LLC. | Adapter | STELLA | N/A |
| G-TOUCH LLC. | Headset | STELLA | N/A |

Supporting Cable:

| Cable type | Shield Type | Ferrite Core | Length | Serial No |
|------------|--------------|-----------------|--------|-----------|
| USB Cable | Un-shielding | No | 0.8m | N/A |



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Annex D. User Manual / Block Diagram / Schematics / Partlist

Please see the attachment



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Annex E. DECLARATION OF SIMILARITY

N/A