RF TEST REPORT



Report No.: 15071127-FCC-R2

| Supersede Report No.: N/A | | | | | |
|-------------------------------------------------|----------------------------------|-------------------------------|-----------------------------|--|--|
| Applicant | VeryKool USA Inc | | | | |
| Product Name | Tablet | Tablet | | | |
| Model No. | T7442 | | | | |
| Serial No. | N/A | | | | |
| Test Standard | FCC Part 1 | 5.247: 2014, ANSI C63.10 | : 2013 | | |
| Test Date | November 23 to December 18, 2015 | | | | |
| Issue Date | December 25, 2015 | | | | |
| Test Result | Pass Fail | | | | |
| Equipment compl | ied with the | specification | | | |
| Equipment did no | t comply witl | n the specification | | | |
| Winnie. Zhang | | David Huang | | | |
| Winnie Zhang | | David Huang | | | |
| Test Engineer | | Checked By | | | |
| This test report may be reproduced in full only | | | | | |
| Test result p | resented in t | his test report is applicable | e to the tested sample only | | |
| | | | | | |

Issued by:

SIEMIC (SHENZHEN-CHINA) LABORATORIES

Zone A, Floor 1, Building 2 Wan Ye Long Technology Park South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China 518108 Phone: +86 0755 2601 4629801 Email: China@siemic.com.cn



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Laboratories Introduction

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In addition to testing and certification, SIEMIC provides initial design reviews and compliance management throughout a project. Our extensive experience with China, Asia Pacific, North America, European, and International compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

| 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 |

Accreditations for Conformity Assessment



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1. Report Revision History

| Report No. | Report Version | Description | Issue Date |
|-----------------|----------------|------------------------|-------------------|
| 15071127-FCC-R2 | NONE | Original | December 21, 2015 |
| 15071127-FCC-R2 | V1 | Adding n40 information | December 25, 2015 |
| | | | |
| | | | |

2. Customer information

| Applicant Name | VeryKool USA Inc |
|------------------|---------------------------------------------------------------------|
| Applicant Add | 3636 Nobel Drive, Suite 325, San Diego, CA 92122 USA |
| Manufacturer | Mikimobile |
| Manufacturer Add | Block 5,Hongxin industrial Park, Dabuxiang Village, Guanguang Road, |
| | Guanlan Town, Bao' an District,Shenzhen |

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 | Radiated Emission Program-To Shenzhen v2.0 |



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| 4. Equipment under Test (EUT) Information | | |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Description of EUT: | Tablet | |
| Main Model: | T7442 | |
| Serial Model: | N/A | |
| Date EUT received: | November 23, 2015 | |
| Test Date(s): | November 23 to December 18, 2015 | |
| Equipment Category : | DSS | |
| Antenna Gain: | GSM850: -1.5dBi PCS1900: -1.0 dBi UMTS-FDD Band V: -1.5 dBi UMTS-FDD Band II: -1.0 dBi Bluetooth/ WIFI/BLE: 1.0 dBi GPS: -2.0 dBi | |
| Type of Modulation: | GSM / GPRS: GMSK EGPRS: GMSK UMTS-FDD: QPSK, 16QAM 802.11b/g/n: DSSS, OFDM Bluetooth: GFSK, π /4DQPSK, 8DPSK BLE: GFSK GPS:BPSK | |
| RF Operating Frequency (ies): | 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 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 Bluetooth& BLE: 2402-2480 MHz GPS RX:1575.42 MHz | |



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| Max. Output Power: | 5.026dBm |
|-----------------------------|-------------------------------------|
| | 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 |
| Port: | Power Port, Earphone Port, USB Port |
| | Battery: |
| | Model GY-3553125PL |
| | Standard Voltage:DC3.7V |
| Input Power: | Rated Capacity:2500mAh,9.25Wh |
| | Adapter: |
| | Model:A31-501000 |
| | Input: AC100-240V; 50/60Hz; 0.2A |
| | Output: DC 5.0V,1.0A |
| Trade Name : | verykool |
| GPRS/EGPRS Multi-slot class | 8/10/12 |
| FCC ID: | WA6T7442 |
| | |



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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 | Compliance |
| §15.207(a) | AC Line Conducted Emissions | Compliance |
| §15.205, §15.209, §15.247(d) | Radiated Emissions | Compliance |

Measurement Uncertainty

| Emissions | | | |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--|
| Test Item | Description | Uncertainty | |
| Band Edge and Radiated Spurious Emissions | 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 2 antennas:

A permanently attached PIFA antenna for Bluetooth/WIFI/BLE/GPS, the gain is 1.0dBi for Bluetooth, the gain is1.0 dBi for WIFI, he gain is1.0 dBi for BLE, the gain is -2.0dBi for GPS.

A permanently attached PIFA antenna for GSM/PCS/ UMTS, the gain is -1.5dBi for GSM850, -1.0dBi for PCS1900,-1.5dBi for UMTS-FDD Band V, -1.0dBi for UMTS-FDD Band II.

The antenna meets up with the ANTENNA REQUIREMENT.

Result: Compliance.



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6.2 Channel Separation

| Temperature | 22°C |
|----------------------|-------------------|
| Relative Humidity | 59% |
| Atmospheric Pressure | 1017mbar |
| Test date : | December 15, 2015 |
| Tested By : | Winnie Zhang |

| Spec | Item | Requirement | Applicable | | | |
|-----------------|-------------------------------------------------------------------------|------------------------------------------------------------|--------------|--|--|--|
| § 15.247(a)(1) | | Channel Separation < 20dB BW and 20dB BW < | | | | |
| | | 25KHz; Channel Separation Limit=25KHz | | | | |
| 9 15.247 (a)(1) | a) | Chanel Separation < 20dB BW and 20dB BW > | V | | | |
| | | 25kHz ; Channel Separation Limit=2/3 20dB BW | | | | |
| Test Setup | Spectrum Analyzer EUT | | | | | |
| | The te | 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 | | | | | |
| | - 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 subparage | aphs of this | | | |
| | | Section. Submit this plot. | | | | |



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|----------------|-----|---------------|------------------|----------|--|
| Remar | 'k | | | | |
| Resul | t | Pass | E Fail | | |
| Test Data | Yes | ; | □ _{N/A} | | |
| Test Plot | Ye: | s (See below) | □ _{N/A} | | |

Channel Separation measurement result

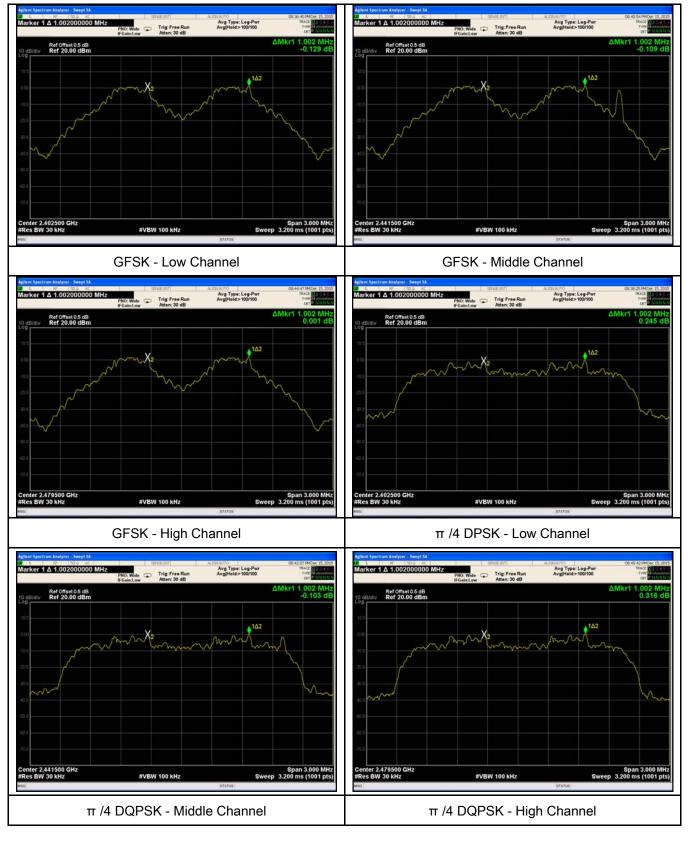
| Type/ Modulation | СН | CH Freq (MHz) | CH Separation (MHz) | Limit (MHz) | Result |
|---------------------|-------------------|------------------|------------------------|----------------|--------|
| | Low Channel | 2402 | 1 002 | 0.062 | Daaa |
| | Adjacency Channel | 2403 | 1.002 | 0.962 | Pass |
| CH Separation | Mid Channel | 2440 | 4 000 | 0.050 | Dese |
| GFSK | Adjacency Channel | 2441 | 1.002 | 0.958 | Pass |
| | High Channel | 2480 | 4 000 | 0.050 | Dees |
| | Adjacency Channel | 2479 | 1.002 | 0.956 | Pass |
| | Low Channel | 2402 | 4 000 | 0.075 | Dees |
| | Adjacency Channel | 2403 | 1.002 | 0.875 | Pass |
| CH Separation | Mid Channel | 2440 | 4 000 | 0.874 0.843 | Dees |
| π /4 DQPSK | Adjacency Channel | 2441 | 1.002 | | Pass |
| | High Channel | 2480 | 4 000 | | Deee |
| | Adjacency Channel | 2479 | 1.002 | | Pass |
| | Low Channel | 2402 | 4 000 | 0.000 | Dese |
| | Adjacency Channel | 2403 | 1.002 | 0.860 | Pass |
| CH Separation | Mid Channel | 2440 | 4.005 | 0.004 | Dese |
| 8DPSK | Adjacency Channel | 2441 | 1.005 | 0.861 | Pass |
| | High Channel | 2480 | 1 002 | 0.004 | Daaa |
| | Adjacency Channel | 2479 | 1.002 | 0.861 | Pass |



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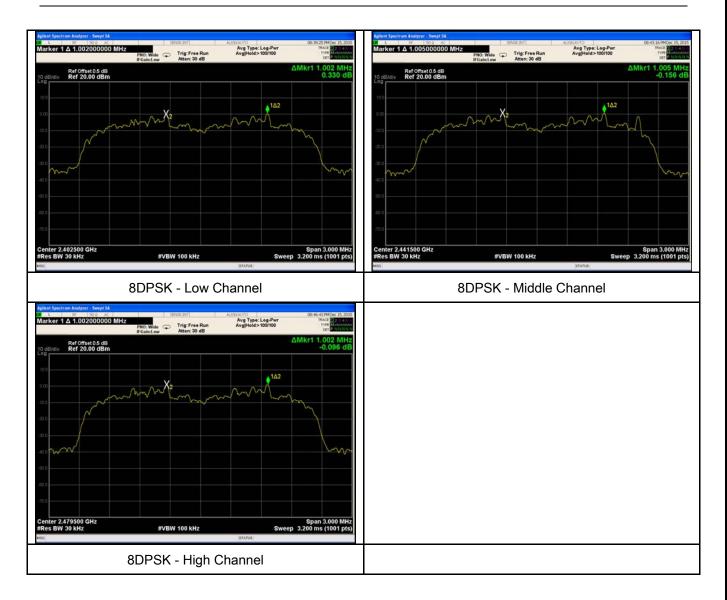
Test Plots

Channel Separation measurement result





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6.3 20dB Bandwidth

| Temperature | 22°C |
|----------------------|--------------------|
| Relative Humidity | 59% |
| Atmospheric Pressure | 1017mbar |
| Test date : | December 3&4, 2015 |
| Tested By : | Winnie Zhang |

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



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marker level. The marker-delta reading at this point is the 20 dB bandwidth of the emission. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

| Remark | |
|--------|-----------|
| Result | Pass Fail |
| | |

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

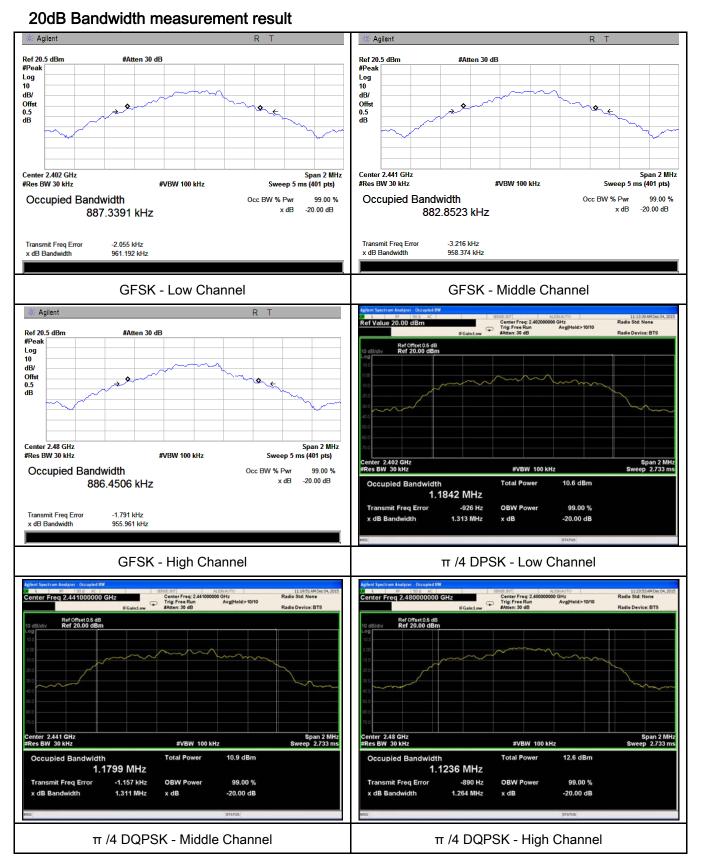
Measurement result

| Modulation | СН | CH Freq (MHz) | 20dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) |
|------------|------|---------------|-------------------------|---------------------------------|
| | Low | 2402 | 0.962 | 0.8873 |
| GFSK | Mid | 2441 | 0.958 | 0.8829 |
| | High | 2480 | 0.956 | 0.8865 |
| | Low | 2402 | 1.313 | 1.1842 |
| π /4 DQPSK | Mid | 2441 | 1.311 | 1.1799 |
| | High | 2480 | 1.264 | 1.1236 |
| | Low | 2402 | 1.290 | 1.1903 |
| 8-DPSK | Mid | 2441 | 1.292 | 1.1855 |
| | High | 2480 | 1.292 | 1.1813 |



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6.4 Peak Output Power

| Temperature | 22°C |
|----------------------|---------------------|
| Relative Humidity | 59% |
| Atmospheric Pressure | 1017mbar |
| Test date : | December 4&16, 2015 |
| Tested By : | Winnie Zhang |

| Spec | Item | Requirement Applicable | | |
|------------|---------------------------------------------------------------------|--------------------------------------------------------------------------|-----------|--|
| | a) | FHSS in 2400-2483.5MHz with \geq 75 channels: \leq 1 Watt | ۲ | |
| | b) | FHSS in 5725-5850MHz: ≤ 1 Watt | | |
| §15.247(b) | c) | For all other FHSS in the 2400-2483.5MHz band: \leq 0.125 Watt. | V | |
| (3) | d) | FHSS in 902-928MHz with \geq 50 channels: \leq 1 Watt | | |
| | e) | FHSS in 902-928MHz with \geq 25 & <50 channels: \leq 0.25 Watt | | |
| | f) | DTS in 902-928MHz, 2400-2483.5MHz: ≤ 1 Watt | | |
| Test Setup | Spectrum Analyzer EUT | | | |
| | The test follows FCC Public Notice DA 00-705 Measurement Guidelines | | | |
| | Use th | Use the following spectrum analyzer settings: | | |
| | - | Span = approximately 5 times the 20 dB bandwidth, center hopping channel | ered on a | |
| Test | - | RBW > the 20 dB bandwidth of the emission being meas | ured | |
| Procedure | - | VBW ≥ RBW Sweep = auto | | |
| | - | Detector function = peak | | |
| | - | Trace = max hold | | |
| | - | - Allow the trace to stabilize. | | |

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| | emission. T above rega specified in | The indicated lever arding external a a one of the subp | nction to set the marker to the peak of the vel is the peak output power (see the note attenuation and cable loss). The limit is paragraphs of this Section. Submit this ower meter may be used instead of a |
| | spectrum a | | |
| Remark | spectrum | | |
| Result | Pass | Fail | |
| Test Data | Yes | □ _{N/A} | |
| Test Plot | Yes (See below) | □ _{N/A} | |

Peak Output Power measurement result

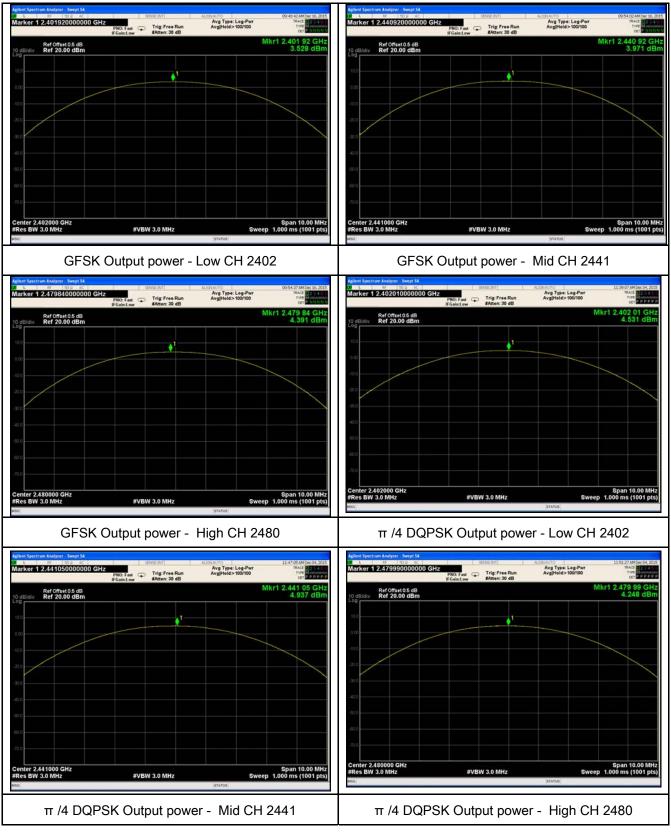
| Туре | Modulation | СН | Freq (MHz) | Conducted Power (dBm) | Limit (mW) | Result |
|--------|----------------------|------|---------------|-----------------------------|---------------|--------|
| | | Low | 2402 | 3.528 | 1000 | Pass |
| | GFSK | Mid | 2441 | 3.971 | 1000 | Pass |
| | | High | 2480 | 4.391 | 1000 | Pass |
| Output | | Low | 2402 | 4.531 | 125 | Pass |
| Output | π /4 DQPSK 8-DPSK | Mid | 2441 | 4.937 | 125 | Pass |
| power | | High | 2480 | 4.248 | 125 | Pass |
| | | Low | 2402 | 4.639 | 125 | Pass |
| | | Mid | 2441 | 5.026 | 125 | Pass |
| | | High | 2480 | 4.363 | 125 | Pass |



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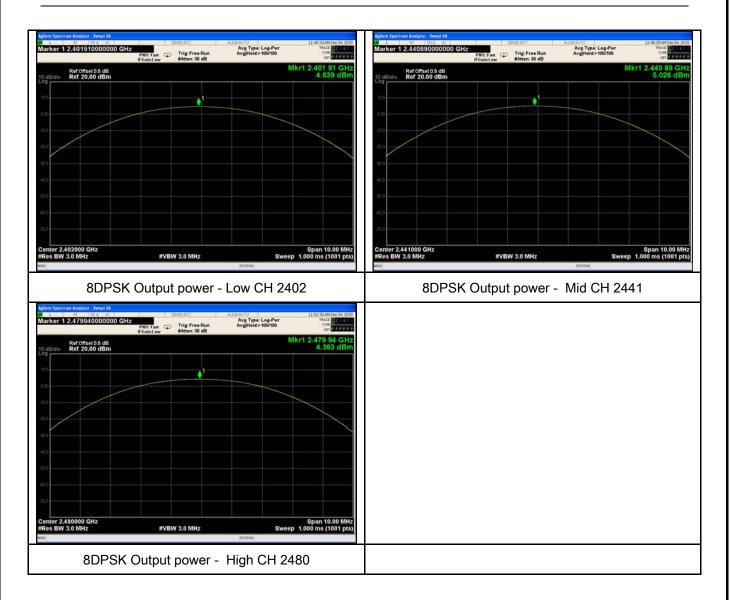
Test Plots

Output Power measurement result





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6.5 Number of Hopping Channel

| Temperature | 22°C |
|----------------------|-------------------|
| Relative Humidity | 59% |
| Atmospheric Pressure | 1017mbar |
| Test date : | December 15, 2015 |
| Tested By : | Winnie Zhang |

| Spec | Item | Item Requirement Applicat | | | |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--|--|--|
| §15.247(a) (1)(iii) | a) | FHSS in 2400-2483.5MHz \geq 15 channels | | | |
| Test Setup | Spectrum Analyzer EUT | | | | |
| Test Procedure | Spectrum Analyzer EUT The test follows FCC Public Notice DA 00-705 Measurement Guidelines. Use the following spectrum analyzer settings: The EUT must have its hopping function enabled. - Span = the frequency band of operation - RBW ≥ 1% of the span - VBW ≥ RBW - Sweep = auto - 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 | s Fail | | | |
| | Yes Yes (See | e below) | | | |



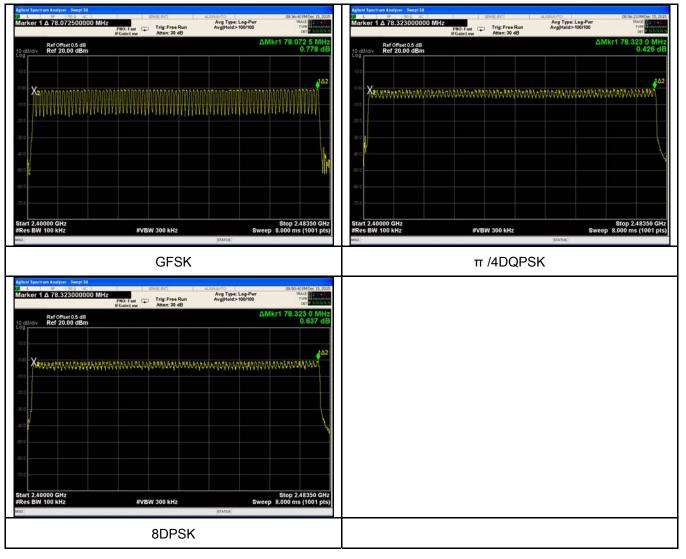
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Number of Hopping Channel measurement result

| Туре | Modulation | Frequency Range | Number of Hopping Channel | Limit |
|------------------------------|------------|-----------------|------------------------------|-------|
| Number of Hopping Channel | GFSK | 2400-2483.5 | 79 | 15 |
| | π /4 DQPSK | 2400-2483.5 | 79 | 15 |
| | 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 | 22°C |
|----------------------|-------------------|
| Relative Humidity | 59% |
| Atmospheric Pressure | 1017mbar |
| Test date : | December 04, 2015 |
| Tested By : | Winnie Zhang |

| Spec | Item Requirement Applical | | Applicable | |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------|--|
| §15.247(a) (1)(iii) | a) Dwell Time < 0.4s | | V | |
| Test Setup | Spectrum Analyzer EUT | | | |
| | The te | st follows FCC Public Notice DA 00-705 Measurement G | Guidelines. | |
| | Use th | e following spectrum analyzer | | |
| | - | Span = zero span, centered on a hopping channel | | |
| | - RBW = 1 MHz | | | |
| Test | - VBW ≥ RBW | | | |
| Procedure | - Sweep = as necessary to capture the entire dwell time per hopping | | | |
| | channel | | | |
| | Detector function = peak Trace = max hold use the marker-delta function to determine the dwell time | | | |
| | | | | |
| | | | e | |
| Remark | | | | |
| Result | Pas | s Fail | | |
| _ | | _ | | |
| Test Data | Yes | □ _{N/A} | | |
| Test Plot | ′es (See | below) | | |



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Dwell Time measurement result

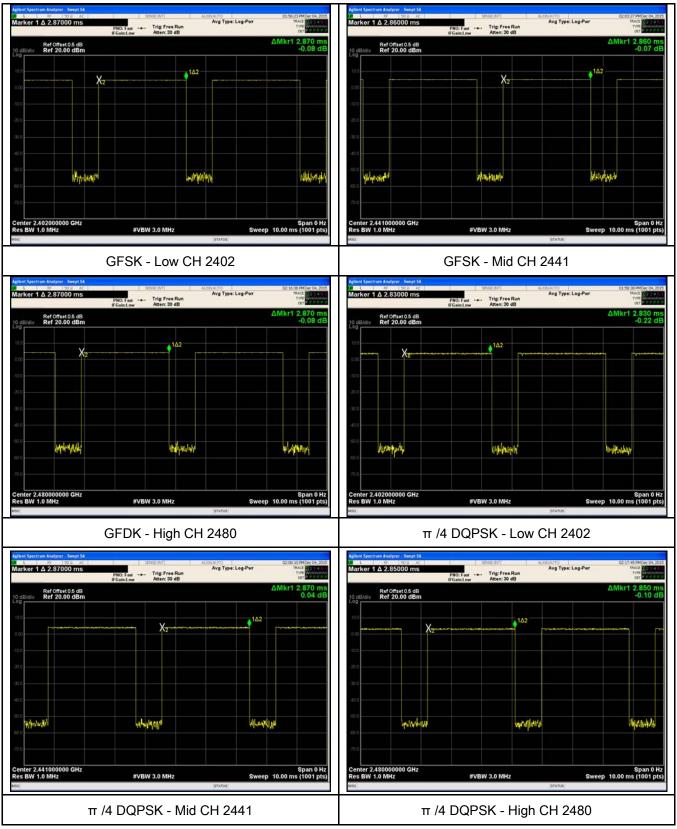
| Туре | Modulation | СН | Pulse Width (ms) | Dwell Time (ms) | Limit (ms) | Result |
|----------------------------------------------------------|----------------------|------|---------------------|--------------------|---------------|--------|
| | | Low | 2.870 | 306.133 | 400 | Pass |
| | GFSK | Mid | 2.860 | 305.067 | 400 | Pass |
| | | High | 2.870 | 306.133 | 400 | Pass |
| | π /4 DQPSK 8-DPSK | Low | 2.830 | 301.867 | 400 | Pass |
| Dwell Time | | Mid | 2.870 | 306.133 | 400 | Pass |
| | | High | 2.850 | 304.000 | 400 | Pass |
| | | Low | 2.850 | 304.000 | 400 | Pass |
| | | Mid | 2.850 | 304.000 | 400 | Pass |
| | | High | 2.860 | 305.067 | 400 | Pass |
| Note: Dwell time=Pulse Time (ms) × (1600 ÷ 6 ÷ 79) ×31.6 | | | | | | |



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Test Plots

Dwell Time measurement result





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6.7 Band Edge

| Temperature | 25°C |
|----------------------|-------------------|
| Relative Humidity | 52% |
| Atmospheric Pressure | 1028mbar |
| Test date : | December 15, 2015 |
| Tested By : | Winnie Zhang |

| Spec | Item | Item Requirement Applicable | | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--|--|
| §15.247(a) (1)(iii) | 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 a) 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. | | | |
| Test Setup | Ant. Tower LuT& 3m Support Units 0.8/1.5m 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, | | | |

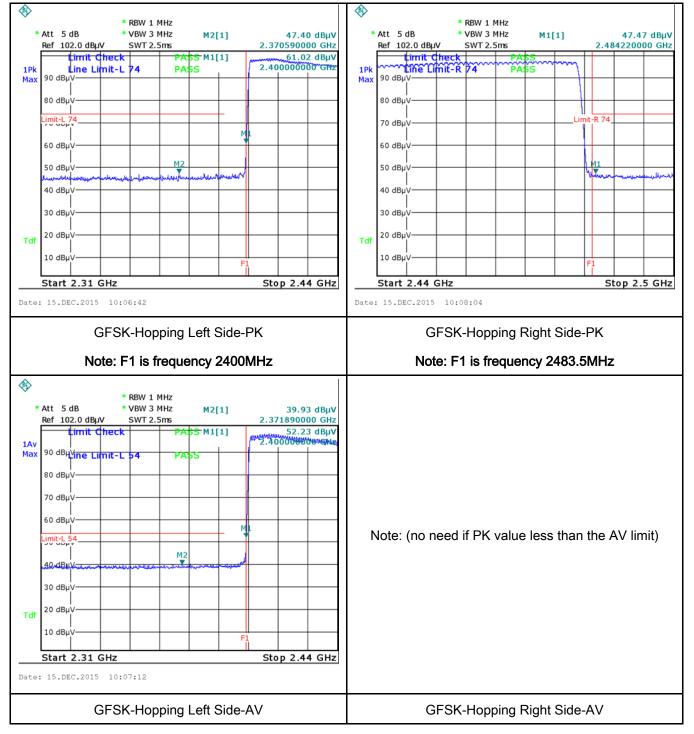
| Image: Tree total Image: Tree total | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S. 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 10kHz 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 Pass Pail | GLOBAL TESTING & CER YOUR CHOICE FOR TER FOR | | | |
| Remark Result Pass Fail Test Data Yes N/A | | 3. First, set both convenient freq the emission of a. The resolutio analyzer is 120 b. The resolutio video bandwidth frequency abov c. The resolutio video bandwidth below at freque 4. Measure the reference level. frequency. | n RBW and VBW uency span inclu EUT, if pass the n bandwidth and kHz for Quasiy n bandwidth of t n is 3MHz with F e 1GHz. n bandwidth of t n is 10Hz with P ncy above 1GHz highest amplitud Plot the graph v | V of spectrum analyzer to 100 kHz with a uding 100kHz bandwidth from band edge, check en set Spectrum Analyzer as below: d video bandwidth of test receiver/spectrum Peak detection at frequency below 1GHz. test receiver/spectrum analyzer is 1MHz and Peak detection for Peak measurement at test receiver/spectrum analyzer is 1MHz and the eak detection for Average Measurement as z. de appearing on spectral display and set it as a with marking the highest point and edge |
| Test Data Yes | Remark | | | |
| | Result | Pass | Fail | |
| | _ | _ | | |

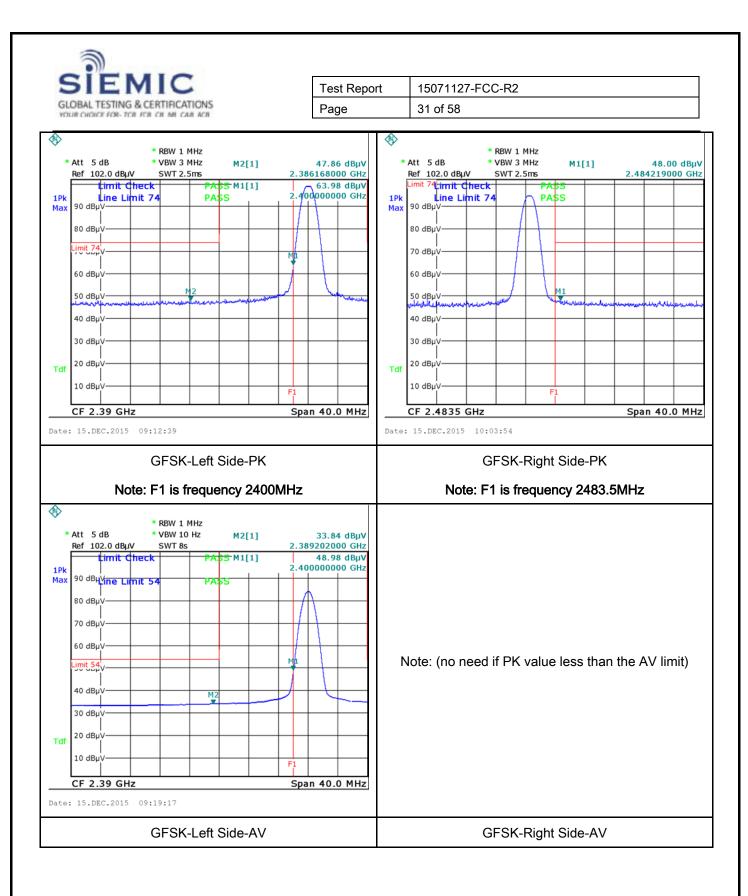


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Test Plots

GFSK Mode:

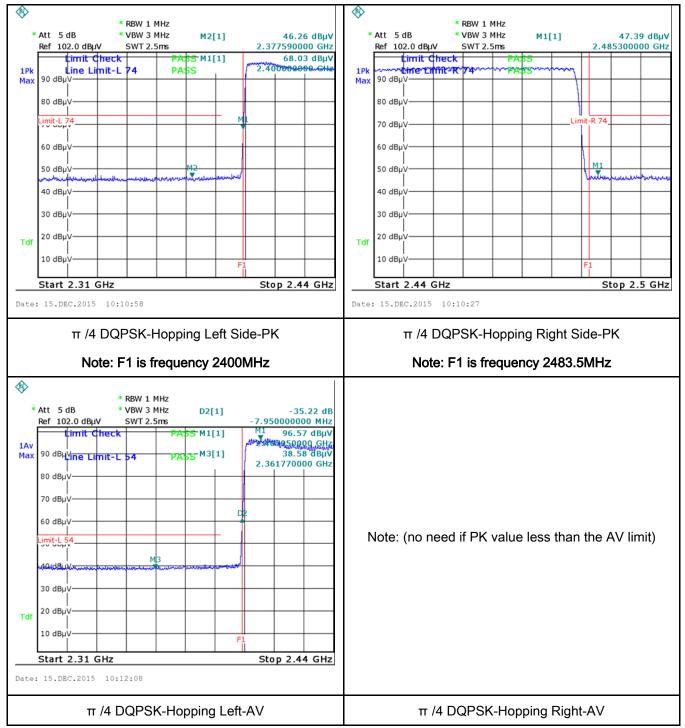


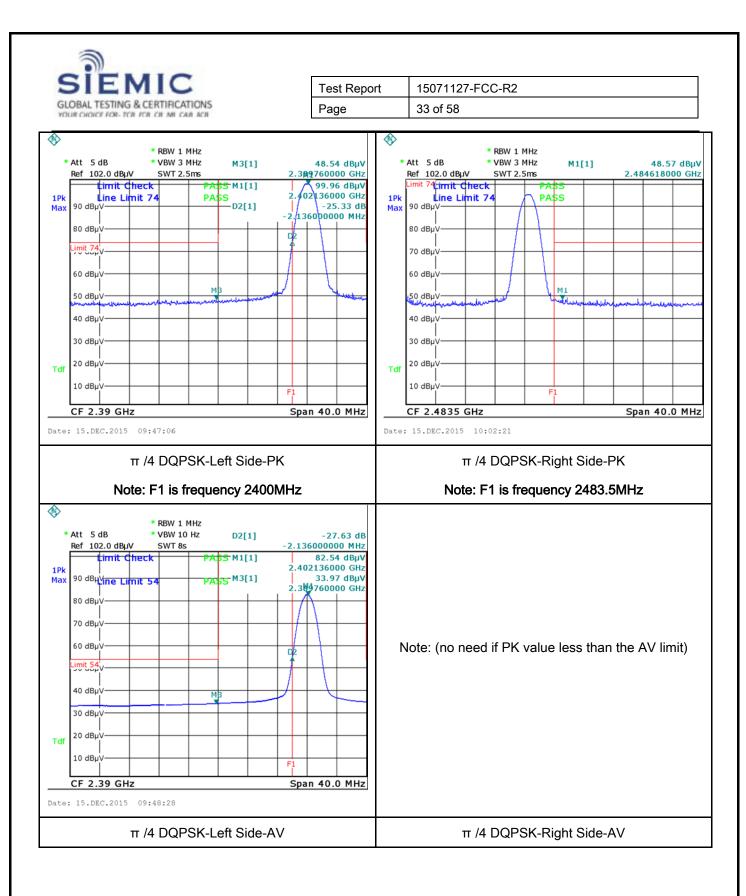




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 π /4 DQPSK Mode:

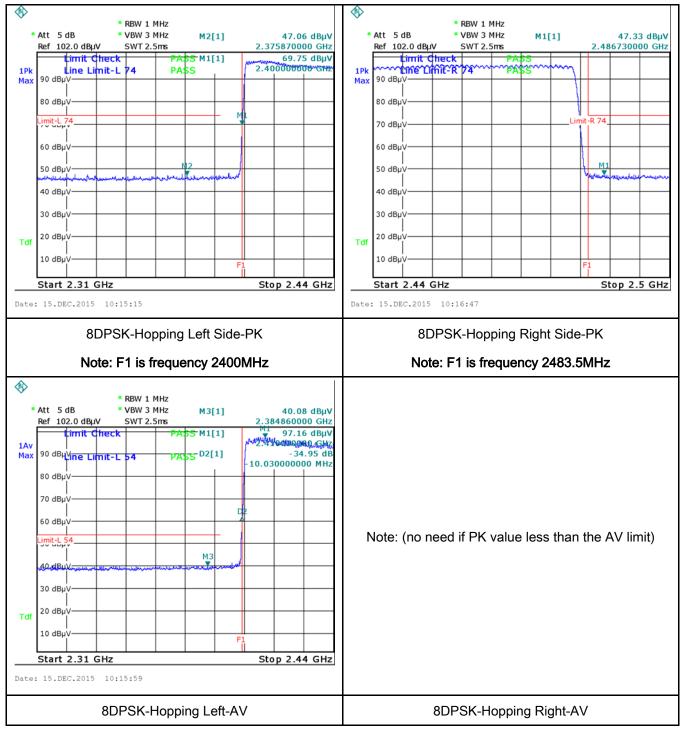


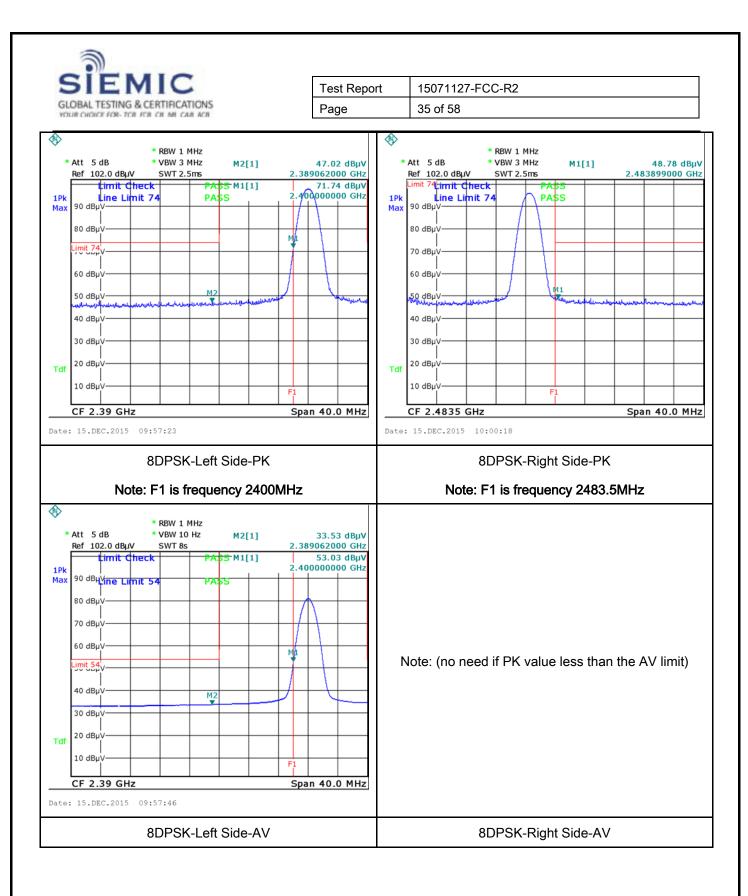




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8-DPSK Mode:







6.8 AC Power Line Conducted Emissions

| Temperature | 25°C | |
|----------------------|-------------------|--|
| Relative Humidity | 52% | |
| Atmospheric Pressure | 1028mbar | |
| Test date : | December 15, 2015 | |
| Tested By : | Winnie Zhang | |

| Spec | Item | Requirement | Applicable | | |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----|--|
| 47CFR§15. 207, RSS210 (A8.1) | a) | For Low-power radio-fr connected to the public voltage that is conducted frequency or frequencied not exceed the limits in [mu]H/50 ohms line imp lower limit applies at the Frequency ranges (MHz) 0.15 ~ 0.5 0.5 ~ 5 | V | | |
| | | 5 ~ 30 | 60 | 50 | |
| Test Setup | Vertical Ground Reference Plane EUT Horizontal Ground Reference Plane 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. | | | | |
| Procedure | 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. The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss | | | | |

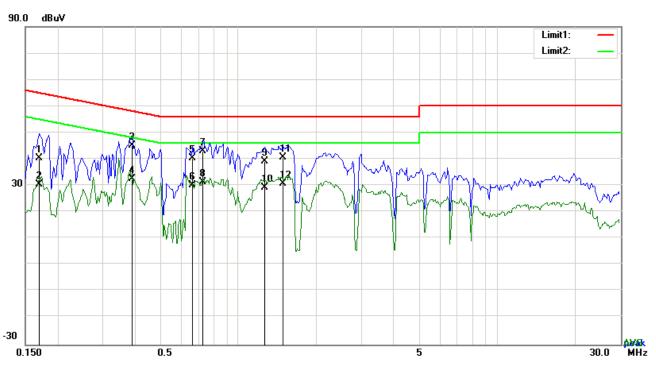
| SIEM | | | | | | | |
|-------------------------|----------------------------|---------------------|--------------------------------------------------|--|--|--|--|
| GLOBAL TESTING & C | ERTIFICATIONS | Test Report Page | 15071127-FCC-R2 37 of 58 | | | | |
| YOUR CHOICE FOR- TOB FO | R CR MI CAR ACR | Tage | 57 51 55 | | | | |
| | coaxial cable. | | | | | | |
| | 4. All other supporting e | quipment were p | oowered separately from another main supply. | | | | |
| | 5. The EUT was switche | ed on and allowe | d to warm up to its normal operating condition. | | | | |
| | 6. A scan was made on | the NEUTRAL li | ne (for AC mains) or Earth line (for DC power) | | | | |
| | over the required freq | luency range usi | ng an EMI test receiver. | | | | |
| | 7. High peaks, relative to | o the limit line, T | he EMI test receiver was then tuned to the | | | | |
| | | and the necessa | ary measurements made with a receiver bandwidth | | | | |
| | setting of 10 kHz. | | | | | | |
| | 8. Step 7 was then repe | ated for the LIVE | E line (for AC mains) or DC line (for DC power). | | | | |
| Remark | | | | | | | |
| | | | | | | | |
| Result | Pass F | ail | | | | | |
| | | | | | | | |
| Test Data | Yes | N/A | | | | | |
| | 165 | IN/A | | | | | |
| Test Plot | Test Plot Ves (See below) | | | | | | |
| | | N/A | | | | | |
| | | N/A | | | | | |
| | | N/A | | | | | |
| | Tes (See below) | N/A | | | | | |
| | Tes (See below) | IN/A | | | | | |
| | Tes (See below) | IN/A | | | | | |
| | Tes (See below) | N/A | | | | | |
| | Tes (See below) | I N/A | | | | | |
| | Tes (See below) | I N/A | | | | | |
| | Tes (See below) | I N/A | | | | | |
| | Tes (See below) | I N/A | | | | | |
| | Tes (See below) | ■ N/A | | | | | |
| | Tes (See below) | I N/A | | | | | |
| | Tes (See below) | ■ N/A | | | | | |
| | Tes (See below) | ■ N/A | | | | | |
| | Tes (See below) | ■ N/A | | | | | |
| | Tes (See below) | - N/A | | | | | |
| | Tes (See below) | ■ N/A | | | | | |
| | Tes (See below) | ■ N/A | | | | | |
| | Tes (See below) | ■ N/A | | | | | |
| | Tes (See below) | ■ N/A | | | | | |
| | Tes (See below) | ■ N/A | | | | | |



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Test Mode: Bluetooth Mode



Test Data

| | | | i nace E | | 120140, 00 | | | |
|-----|-----|-----------|----------|----------|------------|--------|--------|--------|
| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit | Margin |
| | | (MHz) | (dBuV) | | (dB} | (dBuV) | (dBuV) | (dB) |
| 1 | L1 | 0.1695 | 30.37 | QP | 10.03 | 40.40 | 64.98 | -24.58 |
| 2 | L1 | 0.1695 | 20.46 | AVG | 10.03 | 30.49 | 54.98 | -24.49 |
| 3 | L1 | 0.3879 | 35.04 | QP | 10.03 | 45.07 | 58.11 | -13.04 |
| 4 | L1 | 0.3879 | 22.40 | AVG | 10.03 | 32.43 | 48.11 | -15.68 |
| 5 | L1 | 0.6648 | 30.18 | QP | 10.03 | 40.21 | 56.00 | -15.79 |
| 6 | L1 | 0.6648 | 20.22 | AVG | 10.03 | 30.25 | 46.00 | -15.75 |
| 7 | L1 | 0.7311 | 32.90 | QP | 10.03 | 42.93 | 56.00 | -13.07 |
| 8 | L1 | 0.7311 | 21.18 | AVG | 10.03 | 31.21 | 46.00 | -14.79 |
| 9 | L1 | 1.2654 | 29.16 | QP | 10.03 | 39.19 | 56.00 | -16.81 |
| 10 | L1 | 1.2654 | 19.31 | AVG | 10.03 | 29.34 | 46.00 | -16.66 |
| 11 | L1 | 1.4877 | 30.58 | QP | 10.04 | 40.62 | 56.00 | -15.38 |
| 12 | L1 | 1.4877 | 20.85 | AVG | 10.04 | 30.89 | 46.00 | -15.11 |

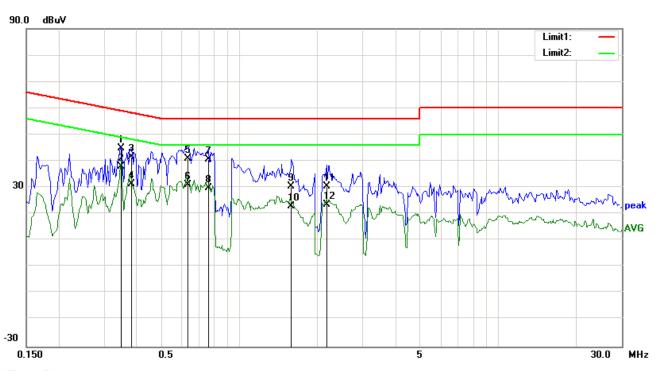
Phase Line Plot at 120Vac, 60Hz



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Test Mode: Bluetooth Mode



Test Data

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit | Margin |
|-----|-----|-----------|---------|----------|-----------|--------|--------|--------|
| | | (MHz) | (dBuV) | | (dB} | (dBuV) | (dBuV) | (dB) |
| 1 | Ν | 0.3489 | 34.74 | QP | 10.02 | 44.76 | 58.99 | -14.23 |
| 2 | Ν | 0.3489 | 28.00 | AVG | 10.02 | 38.02 | 48.99 | -10.97 |
| 3 | N | 0.3840 | 31.42 | QP | 10.02 | 41.44 | 58.19 | -16.75 |
| 4 | Ν | 0.3840 | 21.25 | AVG | 10.02 | 31.27 | 48.19 | -16.92 |
| 5 | Ν | 0.6336 | 30.80 | QP | 10.02 | 40.82 | 56.00 | -15.18 |
| 6 | Ν | 0.6336 | 21.00 | AVG | 10.02 | 31.02 | 46.00 | -14.98 |
| 7 | Ν | 0.7623 | 30.51 | QP | 10.03 | 40.54 | 56.00 | -15.46 |
| 8 | Ν | 0.7623 | 19.77 | AVG | 10.03 | 29.80 | 46.00 | -16.20 |
| 9 | Ν | 1.5891 | 20.35 | QP | 10.04 | 30.39 | 56.00 | -25.61 |
| 10 | Ν | 1.5891 | 12.84 | AVG | 10.04 | 22.88 | 46.00 | -23.12 |
| 11 | Ν | 2.1702 | 20.53 | QP | 10.04 | 30.57 | 56.00 | -25.43 |
| 12 | Ν | 2.1702 | 13.66 | AVG | 10.04 | 23.70 | 46.00 | -22.30 |

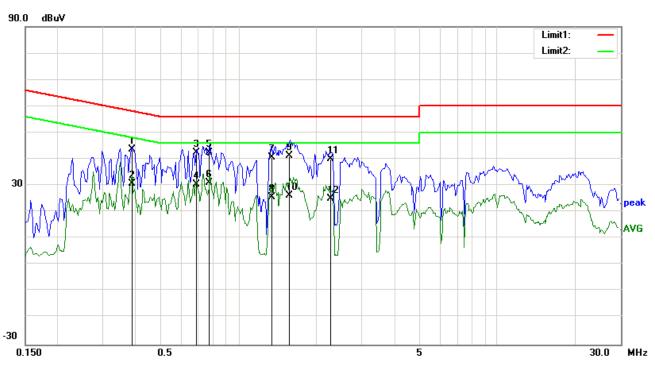
Phase Neutral Plot at 120Vac, 60Hz



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Test Mode: Bluetooth Mode



Test Data

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit | Margin |
|-----|-----|-----------|---------|----------|-----------|--------|--------|--------|
| | | (MHz) | (dBuV) | | (dB} | (dBuV) | (dBuV) | (dB) |
| 1 | L1 | 0.3879 | 33.68 | QP | 10.03 | 43.71 | 58.11 | -14.40 |
| 2 | L1 | 0.3879 | 20.59 | AVG | 10.03 | 30.62 | 48.11 | -17.49 |
| 3 | L1 | 0.6882 | 32.28 | QP | 10.03 | 42.31 | 56.00 | -13.69 |
| 4 | L1 | 0.6882 | 20.29 | AVG | 10.03 | 30.32 | 46.00 | -15.68 |
| 5 | L1 | 0.7740 | 32.44 | QP | 10.03 | 42.47 | 56.00 | -13.53 |
| 6 | L1 | 0.7740 | 20.96 | AVG | 10.03 | 30.99 | 46.00 | -15.01 |
| 7 | L1 | 1.3473 | 30.60 | QP | 10.03 | 40.63 | 56.00 | -15.37 |
| 8 | L1 | 1.3473 | 15.76 | AVG | 10.03 | 25.79 | 46.00 | -20.21 |
| 9 | L1 | 1.5684 | 31.23 | QP | 10.04 | 41.27 | 56.00 | -14.73 |
| 10 | L1 | 1.5684 | 16.33 | AVG | 10.04 | 26.37 | 46.00 | -19.63 |
| 11 | L1 | 2.2755 | 29.97 | QP | 10.05 | 40.02 | 56.00 | -15.98 |
| 12 | L1 | 2.2755 | 14.97 | AVG | 10.05 | 25.02 | 46.00 | -20.98 |

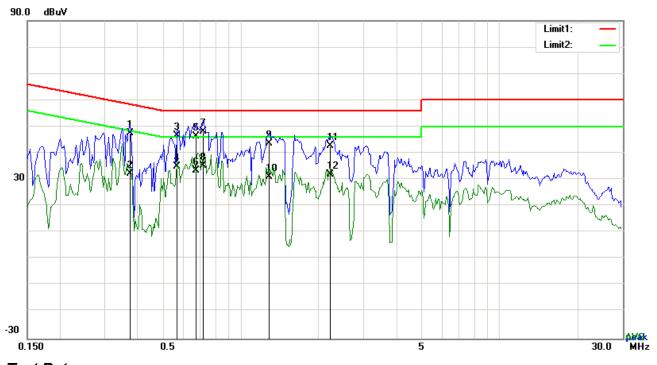
Phase Line Plot at 240Vac, 60Hz



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Test Mode: Bluetooth Mode



Test Data

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit | Margin |
|-----|-----|-----------|---------|----------|-----------|--------|--------|--------|
| | | (MHz) | (dBuV) | | (dB} | (dBuV) | (dBuV) | (dB) |
| 1 | Ν | 0.3762 | 37.55 | QP | 10.02 | 47.57 | 58.36 | -10.79 |
| 2 | Ν | 0.3762 | 22.35 | AVG | 10.02 | 32.37 | 48.36 | -15.99 |
| 3 | Ν | 0.5673 | 36.75 | QP | 10.02 | 46.77 | 56.00 | -9.23 |
| 4 | Ν | 0.5673 | 24.94 | AVG | 10.02 | 34.96 | 46.00 | -11.04 |
| 5 | Ν | 0.6726 | 36.41 | QP | 10.02 | 46.43 | 56.00 | -9.57 |
| 6 | Ν | 0.6726 | 23.43 | AVG | 10.02 | 33.45 | 46.00 | -12.55 |
| 7 | Ν | 0.7194 | 38.19 | QP | 10.02 | 48.21 | 56.00 | -7.79 |
| 8 | Ν | 0.7194 | 25.13 | AVG | 10.02 | 35.15 | 46.00 | -10.85 |
| 9 | Ν | 1.2927 | 33.59 | QP | 10.03 | 43.62 | 56.00 | -12.38 |
| 10 | Ν | 1.2927 | 21.07 | AVG | 10.03 | 31.10 | 46.00 | -14.90 |
| 11 | Ν | 2.2326 | 32.81 | QP | 10.04 | 42.85 | 56.00 | -13.15 |
| 12 | Ν | 2.2326 | 22.06 | AVG | 10.04 | 32.10 | 46.00 | -13.90 |

Phase Neutral Plot at 240Vac, 60Hz



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6.9 Radiated Spurious Emissions

| Temperature | 25°C |
|----------------------|-------------------|
| Relative Humidity | 52% |
| Atmospheric Pressure | 1028mbar |
| Test date : | December 15, 2015 |
| Tested By : | Winnie Zhang |

Requirement(s):

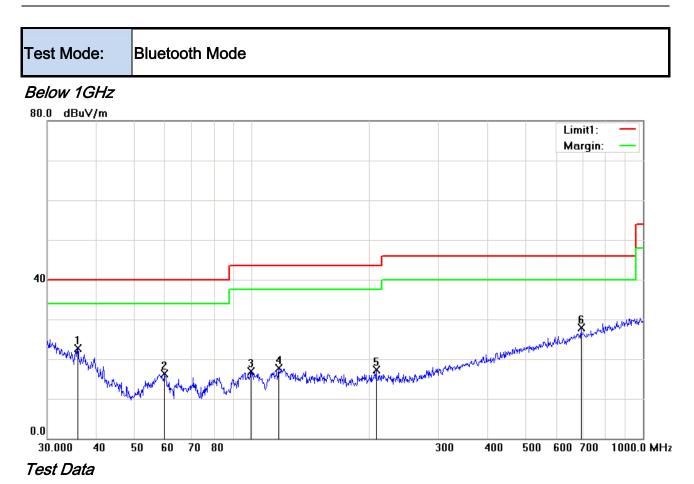
| Spec | Item | · · · · · · · · · · · · · · · · · · · | | | | | | |
|-------------------|----------|-----------------------------------------------------------------------------|-----------------------|--|--|--|--|--|
| 47CFR§15. 205, | a) | | | | | | | |
| §15.209, | , | Frequency range (MHz) | Field Strength (µV/m) | | | | | |
| §15.247(d) | | 30 - 88 | 100 | | | | | |
| | | 88 - 216 | 150 | | | | | |
| | | 216 960 | 200 | | | | | |
| | | Above 960 | Above 960 500 | | | | | |
| Test Setup | | Ant. Tower L-4m Variable 0.8/1.5m Ground Plane Test Receiver | | | | | | |
| Procedure | 1. 2. | condition. | | | | | | |

| | GLOBAL TESTING & | | Test Report Page | 15071127-FCC-R2 43 of 58 |
|-------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| frequency points were measured. Remark Result Pass Fail Test Data Yes N/A | YOUR CHOICE FOR- TCR. P | b. c. 3. The 120 4. The ban 1GH The ban freq | Vertical or horizontal po- level over a full rotation The EUT was then rota emission. Finally, the antenna hei maximum emission. resolution bandwidth and vice kHz for Quasiy Peak detection resolution bandwidth of test r dwidth is 3MHz with Peak detection fz. resolution bandwidth of test dwidth is 10Hz with Peak detection dwidth is 10Hz with Peak detection dwidth is 10Hz with Peak detection | olarization (whichever gave the higher emission n of the EUT) was chosen. ated to the direction that gave the maximum hight was adjusted to the height that gave the deo bandwidth of test receiver/spectrum analyzer ton at frequency below 1GHz. receiver/spectrum analyzer is 1MHz and video hetection for Peak measurement at frequency abov receiver/spectrum analyzer is 1MHz and the vide |
| Test Data | | frec | uency points were measure | |
| | _ | _ | _ | |
| | | | | |
| | | | | |
| | | | | |



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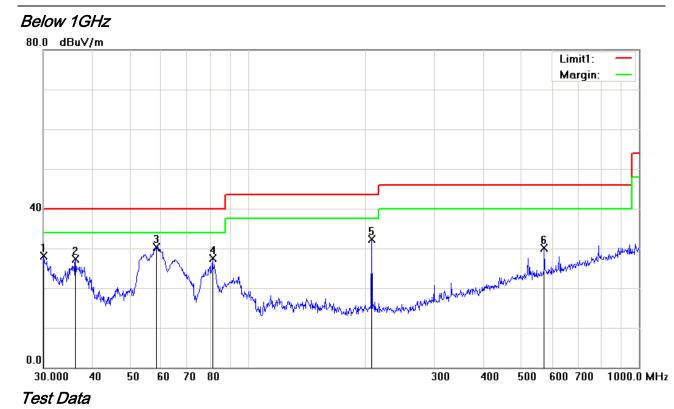
Horizontal Polarity Plot @3m

| No. | P/L | Frequency | Readin g | Detector | Corrected | Result | Limit | Margin | Height | Degree |
|-----|-----|-----------|--------------|----------|-----------|--------------|----------|--------|--------|--------|
| | | (MHz) | (dBuV/ m) | | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | (cm) | () |
| 1 | Н | 35.8747 | 27.32 | peak | -4.58 | 22.74 | 40.00 | -17.26 | 100 | 235 |
| 2 | Н | 59.8588 | 30.65 | peak | -14.34 | 16.31 | 40.00 | -23.69 | 100 | 209 |
| 3 | н | 99.5281 | 27.90 | peak | -10.92 | 16.98 | 43.50 | -26.52 | 100 | 194 |
| 4 | Н | 116.9495 | 25.55 | peak | -7.82 | 17.73 | 43.50 | -25.77 | 100 | 194 |
| 5 | Н | 207.8501 | 26.08 | peak | -8.81 | 17.27 | 43.50 | -26.23 | 100 | 107 |
| 6 | Н | 694.4174 | 26.50 | peak | 1.32 | 27.82 | 46.00 | -18.18 | 100 | 337 |



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Vertical Polarity Plot @3m

| No. | P/L | Frequency | Readin g | Detector | Corrected | Result | Limit | Margin | Height | Degree |
|-----|-----|-----------|--------------|----------|-----------|--------------|----------|--------|--------|--------|
| | | (MHz) | (dBuV/ m) | | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | (cm) | () |
| 1 | V | 30.1054 | 28.49 | peak | -0.34 | 28.15 | 40.00 | -11.85 | 100 | 179 |
| 2 | V | 36.2541 | 32.07 | peak | -4.86 | 27.21 | 40.00 | -12.79 | 100 | 6 |
| 3 | V | 58.4074 | 44.47 | peak | -14.17 | 30.30 | 40.00 | -9.70 | 100 | 0 |
| 4 | V | 81.2117 | 41.19 | peak | -13.71 | 27.48 | 40.00 | -12.52 | 100 | 329 |
| 5 | V | 207.1226 | 41.13 | peak | -8.81 | 32.32 | 43.50 | -11.18 | 100 | 70 |
| 6 | V | 572.6144 | 30.45 | peak | -0.44 | 30.01 | 46.00 | -15.99 | 100 | 32 |



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Above 1GHz

| Test Mode: Transmitting Mode |
|------------------------------|
|------------------------------|

Mode: GFSK (Worst Case)

| Low Channel (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 | 38.55 | AV | V | 33.83 | 6.86 | 31.72 | 47.52 | 54 | -6.48 |
| 4804 | 38.39 | AV | Н | 33.83 | 6.86 | 31.72 | 47.36 | 54 | -6.64 |
| 4804 | 46.51 | PK | V | 33.83 | 6.86 | 31.72 | 55.48 | 74 | -18.52 |
| 4804 | 46.36 | PK | Н | 33.83 | 6.86 | 31.72 | 55.33 | 74 | -18.67 |

Middle Channel (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 | 38.62 | AV | V | 33.86 | 6.82 | 31.82 | 47.48 | 54 | -6.52 |
| 4882 | 38.33 | AV | Н | 33.86 | 6.82 | 31.82 | 47.19 | 54 | -6.81 |
| 4882 | 46.46 | PK | V | 33.86 | 6.82 | 31.82 | 55.32 | 74 | -18.68 |
| 4882 | 46.28 | PK | Н | 33.86 | 6.82 | 31.82 | 55.14 | 74 | -18.86 |

High Channel (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 | 38.56 | AV | V | 33.9 | 6.76 | 31.92 | 47.3 | 54 | -6.7 |
| 4960 | 38.41 | AV | Н | 33.9 | 6.76 | 31.92 | 47.15 | 54 | -6.85 |
| 4960 | 46.58 | PK | V | 33.9 | 6.76 | 31.92 | 55.32 | 74 | -18.68 |
| 4960 | 46.33 | PK | Н | 33.9 | 6.76 | 31.92 | 55.07 | 74 | -18.93 |

Note:

1, The testing has been conformed to 10*2480MHz=24,800MHz

2, All other emissions more than 30 dB below the limit



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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 | 09/17/2015 | 09/16/2016 | |
| Line Impedance | LI-125A | 191106 | 09/25/2015 | 09/24/2016 | |
| Line Impedance | LI-125A | 191107 | 09/25/2015 | 09/24/2016 | V |
| LISN | ISN T800 | 34373 | 09/25/2015 | 09/24/2016 | > |
| Double Ridge Horn Antenna (1 ~18GHz) | AH-118 | 71283 | 09/24/2015 | 09/23/2016 | V |
| Transient Limiter | LIT-153 | 531118 | 09/01/2015 | 08/31/2016 | V |
| RF conducted test | | | | - | |
| Agilent ESA-E SERIES | E4407B | MY45108319 | 09/17/2015 | 09/16/2016 | > |
| Power Splitter | 1# | 1# | 09/01/2015 | 08/31/2016 | |
| DC Power Supply | E3640A | MY40004013 | 09/17/2015 | 09/16/2016 | > |
| Radiated Emissions | | | | | |
| EMI test receiver | ESL6 | 100262 | 09/17/2015 | 09/16/2016 | • |
| Positioning Controller | UC3000 | MF780208282 | 11/19/2015 | 11/18/2016 | • |
| OPT 010 AMPLIFIER (0.1-1300MHz) | 8447E | 2727A02430 | 09/01/2015 | 08/31/2016 | × |
| Microwave Preamplifier (1 ~ 26.5GHz) | 8449B | 3008A02402 | 03/25/2015 | 03/24/2016 | K |
| Bilog Antenna (30MHz~6GHz) | JB6 | A110712 | 09/21/2015 | 09/20/2016 | K |
| Double Ridge Horn Antenna (1 ~18GHz) | AH-118 | 71283 | 09/24/2015 | 09/23/2016 | V |
| Universal Radio Communication Tester | CMU200 | 121393 | 09/25/2015 | 09/24/2016 | V |



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Annex B. EUT And Test Setup Photographs

Annex B.i. Photograph: EUT External Photo





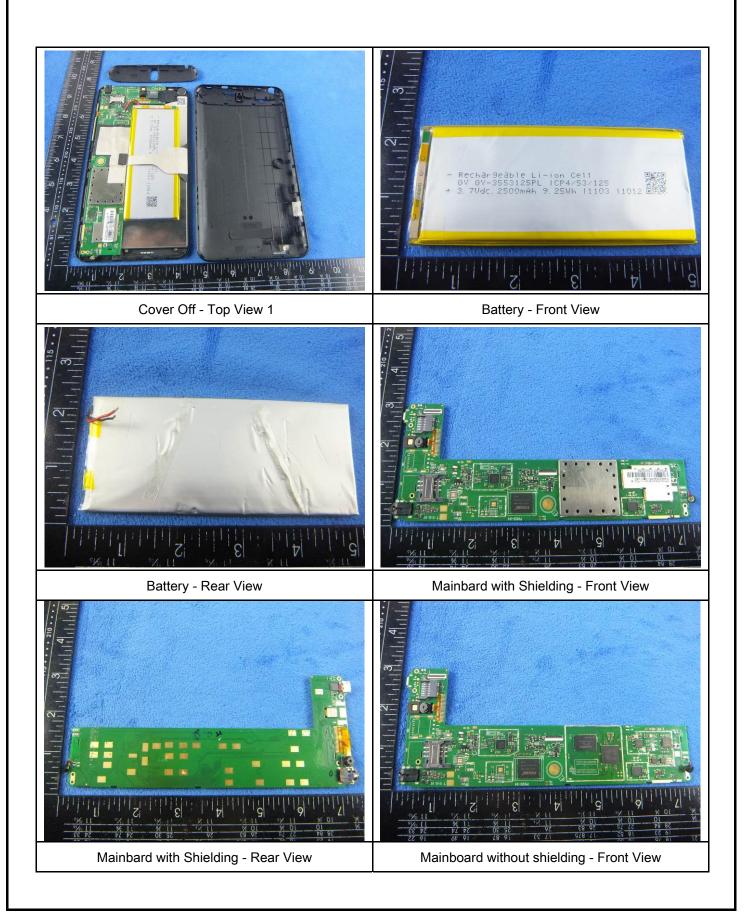
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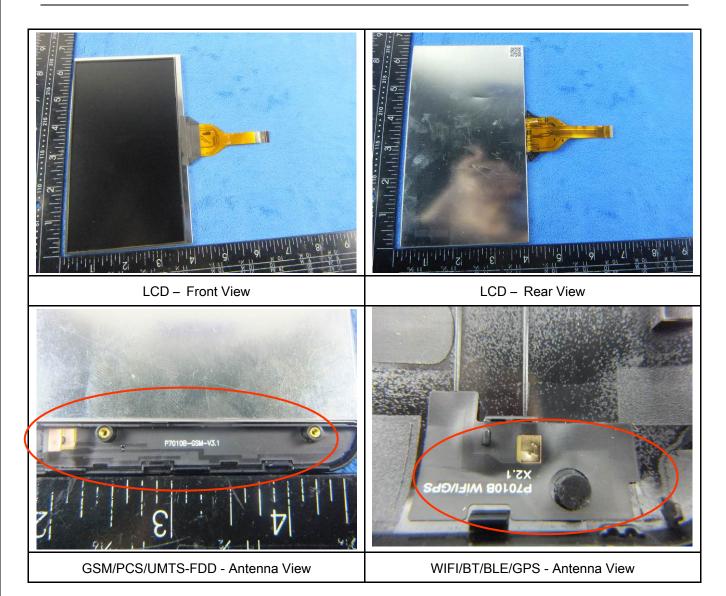
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Annex B.ii. Photograph: EUT Internal Photo





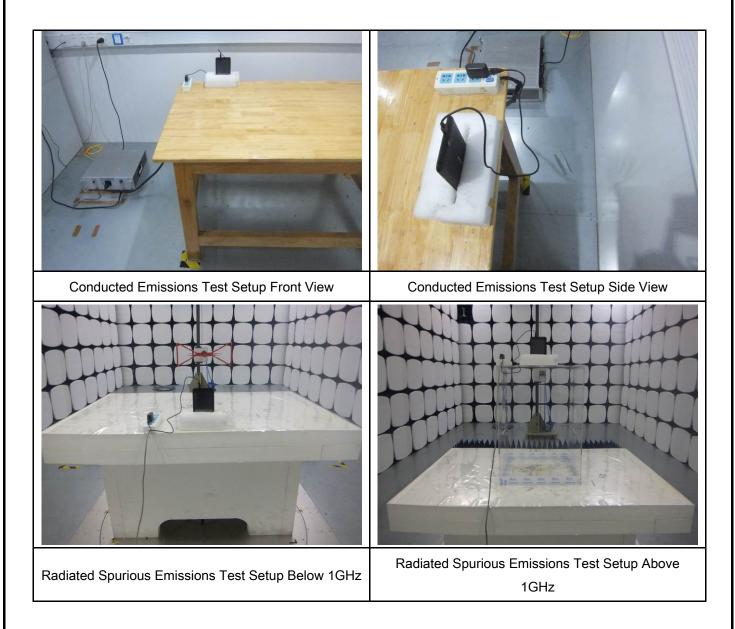
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Annex B.iii. Photograph: Test Setup Photo





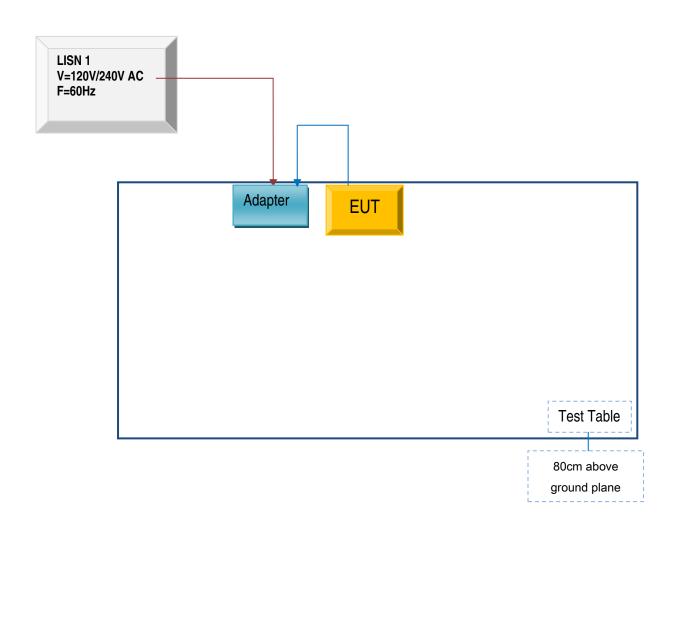
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Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

Block Configuration Diagram for AC Line Conducted Emissions

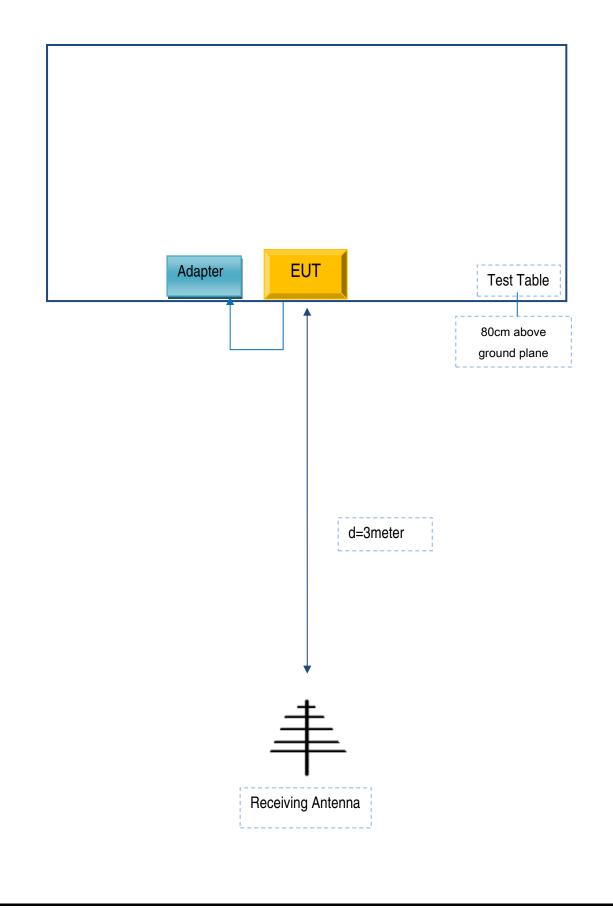




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Block Configuration Diagram for Radiated Emissions (Below 1GHz).

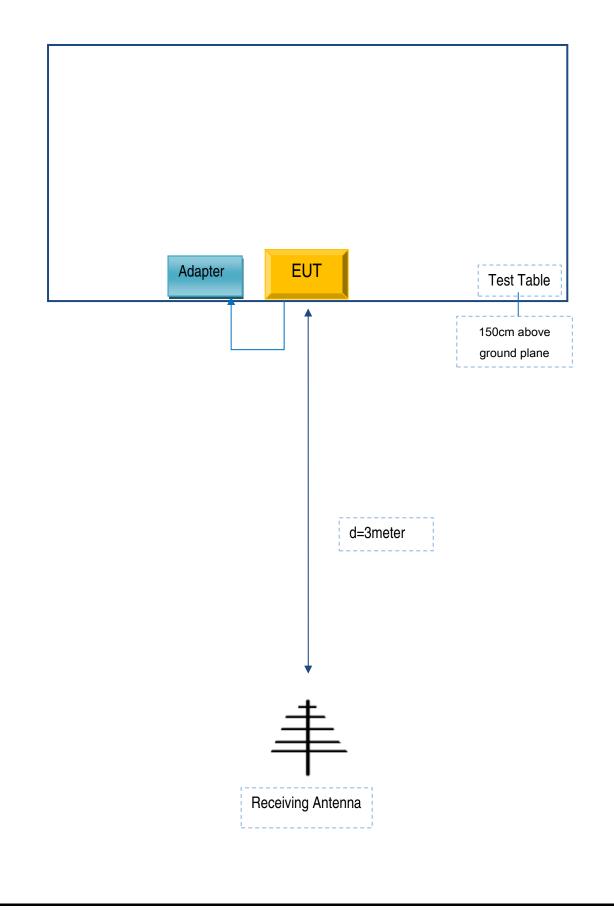




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Block Configuration Diagram for Radiated Emissions (Above 1GHz).





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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.

| Manufacturer | Equipment Description | Model | Calibratio n Date | Serial No | Calibration Due Date |
|------------------------------------------------|--------------------------|----------------|----------------------|------------|-------------------------|
| Dong Guan AOHAI Power Technology co ,LTD | Adapter | A31- 501000 | N/A | XB24577711 | N/A |

Supporting Cable:

| Cable type | Shield Type | Ferrite Core | Length | Serial No | Calibration Date | Calibration Due Date |
|------------|--------------|-----------------|--------|------------|---------------------|-------------------------|
| USB Cable | Un-shielding | No | 0.8m | XB24577712 | N/A | N/A |



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

Please see attachment



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Annex E. DECLARATION OF SIMILARITY

N/A