RF TEST REPORT



Report No.: 17070263-FCC-R4 Supersede Report No.: N/A

| Applicant | Verykool USA Inc | | | |
|---|------------------|-----------------------------|------|--|
| Product Name | Mobile Phone | | | |
| Model No. | s5528 | s5528 | | |
| Serial No. | N/A | | | |
| Test Standard | FCC Part 1 | 5.247: 2016, ANSI C63.10: 2 | 2013 | |
| Test Date | April 07 to | April 07 to April 21, 2017 | | |
| Issue Date | April 22, 2017 | | | |
| Test Result | Pass Fail | | | |
| Equipment compl | ied with the | specification | | |
| Equipment did no | t comply with | n the specification | | |
| Loven | Luo | David Huang | | |
| Loren Luo | | David Huang | | |
| Test Engineer | | Checked By | | |
| This test report may be reproduced in full only | | | | |
| Test result presented in this test report is applicable 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 |
|-----------------|----------------|-------------|----------------|
| 17070263-FCC-R4 | NONE | Original | April 22, 2017 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

2. Customer information

| Applicant Name | Verykool USA Inc |
|------------------|--|
| Applicant Add | 3636 Nobel Drive, Suite 325, San Diego, California 92122 United States |
| Manufacturer | FortuneShip International Industrial Ltd |
| Manufacturer Add | 6/F, Kanghesheng Building, No.1 Chuangsheng Road, Nanshan District, |
| | Shenzhen, Guangdong, China |

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 | | |
| Conducted Emission | EZ-EMC(ver.lcp-03A1) | |



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4. Equipment under Test (EUT) Information

| Description of EUT: | Mobile Phone |
|-------------------------------|--|
| Main Model: | s5528 |
| Serial Model: | N/A |
| Date EUT received: | April 06, 2017 |
| Test Date(s): | April 07 to April 21, 2017 |
| Equipment Category : | DTS |
| Antenna Gain: | GSM850: 0.5dBi PCS1900:1.3dBi UMTS-FDD Band V: 0.5dBi UMTS-FDD Band IV: 0.5dBi UMTS-FDD Band II: 0.5dBi WIFI: -0.3dBi Bluetooth/BLE:0.5dBi GPS: 0.2dBi |
| Antenna Type: | PIFA antenna |
| Type of Modulation: | GSM / GPRS: GMSK EGPRS: GMSK,8PSK UMTS-FDD: QPSK 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 IV TX:1712.4 ~ 1752.6 MHz; RX : 2112.4 ~ 2152.6 MHz UMTS-FDD Band II TX:1852.4 ~ 1907.6 MHz; RX: 1932.4 ~ 1987.6 MHz |



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| | WIFI: 802.11b/g/n(20M): 2412-2462 MHz |
|-----------------------------|---------------------------------------|
| | WIFI: 802.11n(40M): 2422-2452 MHz |
| | Bluetooth& BLE: 2402-2480 MHz |
| | GPS: 1575.42 MHz |
| | 802.11b: 8.87 dBm |
| Max. Output Power: | 802.11g: 8.87 dBm |
| | 802.11n(20M): 8.92 dBm |
| | 802.11n(40M): 8.53 dBm |
| | GSM 850: 124CH |
| | PCS1900: 299CH |
| | UMTS-FDD Band V: 102CH |
| | UMTS-FDD Band IV: 202CH |
| | 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: | USB Port, Earphone Port |
| | Adapter: |
| | Model: TPA-46D050100UU |
| | Input: AC100-240V~50/60Hz,0.2A |
| Input Power: | Output: DC 5.0V,1.0A |
| input rower. | Battery: |
| | Model: RS628 |
| | Spec : 3.8V,3000mAh,11.4Wh |
| | voltage: 4.35V |
| Trade Name : | verykool |
| GPRS/EGPRS Multi-slot class | 8/10/12 |
| FCC ID: | WA6S5528 |
| | |



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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)(2) | DTS (6 dB&20 dB) CHANNEL BANDWIDTH | Compliance |
| §15.247(b)(3) | Conducted Maximum Output Power | Compliance |
| §15.247(e) | Power Spectral Density | Compliance |
| §15.247(d) | Band-Edge & Unwanted Emissions into Restricted Frequency Bands | Compliance |
| §15.207 (a), | AC Power Line Conducted Emissions | Compliance |
| §15.205, §15.209, | Radiated Emissions & Unwanted Emissions | |
| §15.247(d) | into Restricted Frequency Bands | |

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 2 antennas:

A permanently attached PIFA antenna for GSM/PCS/UMTS-FDD Band V/UMTS-FDD Band IV /UMTS-FDD Band II, the gain is 0.5dBi for GSM/UMTS-FDD Band V//UMTS-FDD Band IV /UMTS-FDD Band II, the gain is 1.3dBi for PCS.

A permanently attached PIFA antenna for Bluetooth/WIFI/BLE/GPS, the gain is 0.5dBi for Bluetooth/BLE, the gain is -0.3dBi for WIFI, the gain is 0.2dBi for GPS.

The antenna meets up with the ANTENNA REQUIREMENT.

Result: Compliance.



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6.2 DTS (6 dB&20 dB) Channel Bandwidth

| Temperature | 24 °C |
|----------------------|----------------|
| Relative Humidity | 52% |
| Atmospheric Pressure | 1019mbar |
| Test date : | April 19, 2017 |
| Tested By : | Loren Luo |

| Spec | Item Requirement Applicab | | | | |
|----------------|---|--|----------------|--|--|
| § 15.247(a)(2) | a) 6dB BW≥ 500kHz; 20dB BW≥ 500kHz; ✓ | | | | |
| RSS Gen(4.6.1) | b) | b) 99% BW: For FCC reference only; required by IC. | | | |
| Test Setup | Spectrum Analyzer EUT | | | | |
| | 55807 | 4 D01 DTS MEAS Guidance v03r03, 8.1 DTS bandwidth | | | |
| | | andwidth | | | |
| | a) Se | t RBW = 100 kHz. | | | |
| | - | t the video bandwidth (VBW) ≥ 3 × RBW. | | | |
| | c) De | tector = Peak. | | | |
| | d) Trace mode = max hold. | | | | |
| | e) Sw | eep = auto couple. | | | |
| | f) Allo | w the trace to stabilize. | | | |
| | g) Measure the maximum width of the emission that is constrained | | d by the freq | | |
| Test Procedure | uencie | es associated with the two outermost amplitude points (uppe | r and lower fr | | |
| Test Flocedule | equen | cies) that are attenuated by 6 dB relative to the maximum le | vel measure | | |
| | d in the fundamental emission. | | | | |
| | 20dB bandwidth | | | | |
| | C63.10 Occupied Bandwidth (OBW=20dB bandwidth) | | | | |
| | 1. Set RBW = 1%-5% OBW. | | | | |
| | 2. Set the video bandwidth (VBW) \geq 3 x RBW. | | | | |
| | 3. Set the span range between 2 times and 5 times of the OBW. | | | | |
| | 4. Sweep time=Auto, Detector=PK, Trace=Max hold. | | | | |
| | 5. Once the reference level is established, the equipment is conditioned with t | | | | |
| | ypical modulating signals to produce the worst- | | | | |



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| | case (i.e., the widest) bandwidth. Unless otherwise specified for an unlicensed wireless device, measure the bandwidth at the 20 dB levels with respect to the reference level. |
|--------|---|
| Remark | |
| Result | Pass Fail |

Test Data

□_{N/A}

Test Plot

□_{N/A}

Measurement result

₩ Yes

Yes (See below)

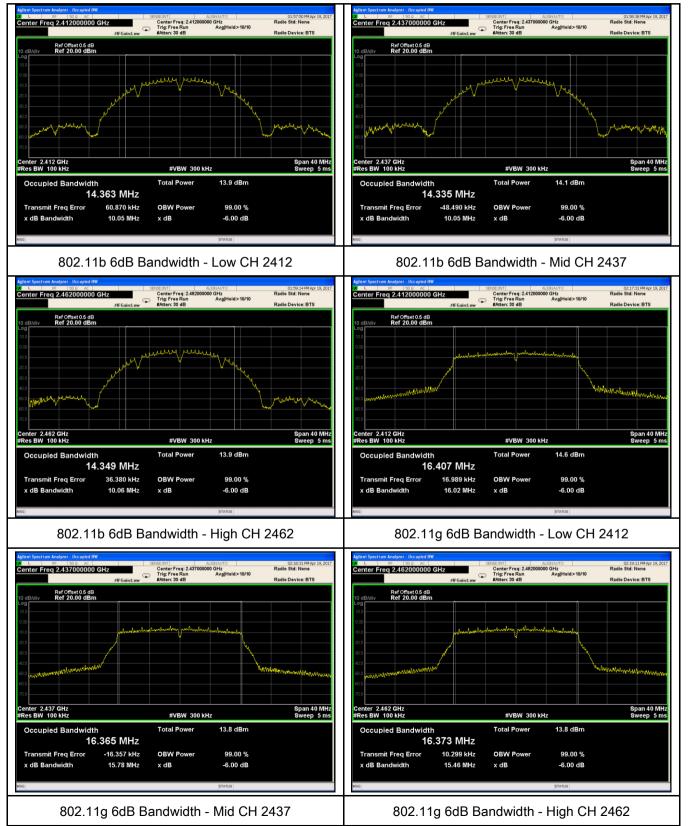
| Test mode | СН | Freq (MHz) | 6dB Bandwidth (MHz) | 20dB Bandwidth (MHz) | Limit (MHz) |
|---------------------|------|------------|------------------------|-------------------------|-------------|
| | Low | 2412 | 10.05 | 16.32 | ≥ 0.5 |
| 802.11b | Mid | 2437 | 10.05 | 16.33 | ≥ 0.5 |
| | High | 2462 | 10.06 | 16.32 | ≥ 0.5 |
| | Low | 2412 | 16.02 | 18.97 | ≥ 0.5 |
| 802.11g | Mid | 2437 | 15.78 | 18.74 | ≥ 0.5 |
| | High | 2462 | 15.46 | 18.80 | ≥ 0.5 |
| 902 11 . | Low | 2412 | 15.70 | 19.26 | ≥ 0.5 |
| 802.11n | Mid | 2437 | 15.96 | 19.21 | ≥ 0.5 |
| (20M) | High | 2462 | 16.27 | 19.29 | ≥ 0.5 |
| | Low | 2422 | 35.15 | 39.11 | ≥ 0.5 |
| 802.11n | Mid | 2437 | 35.18 | 39.20 | ≥ 0.5 |
| (40M) | High | 2452 | 35.66 | 39.01 | ≥ 0.5 |



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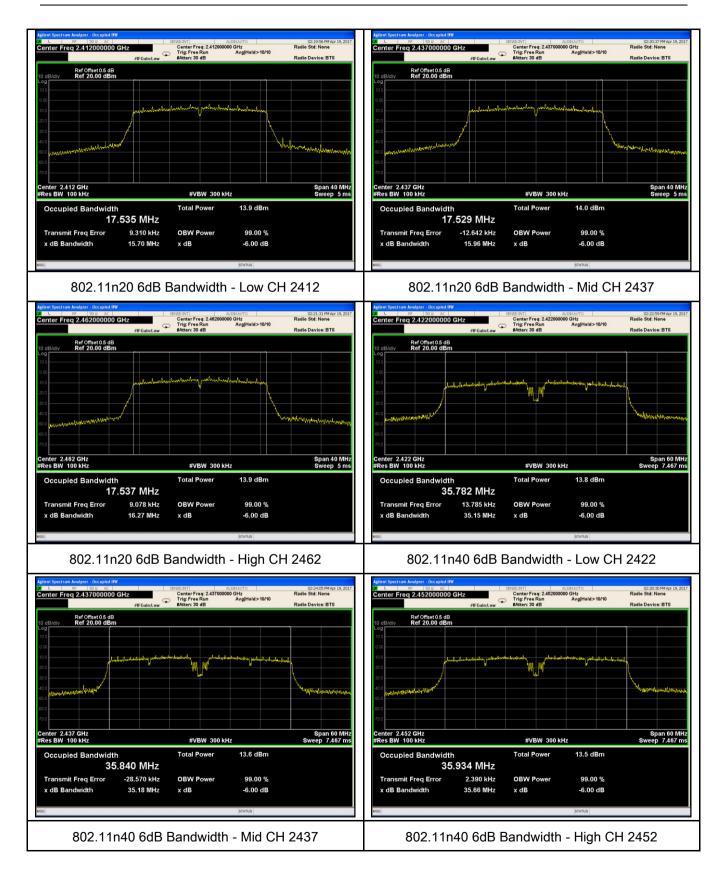
Test Plots

6dB Bandwidth measurement result





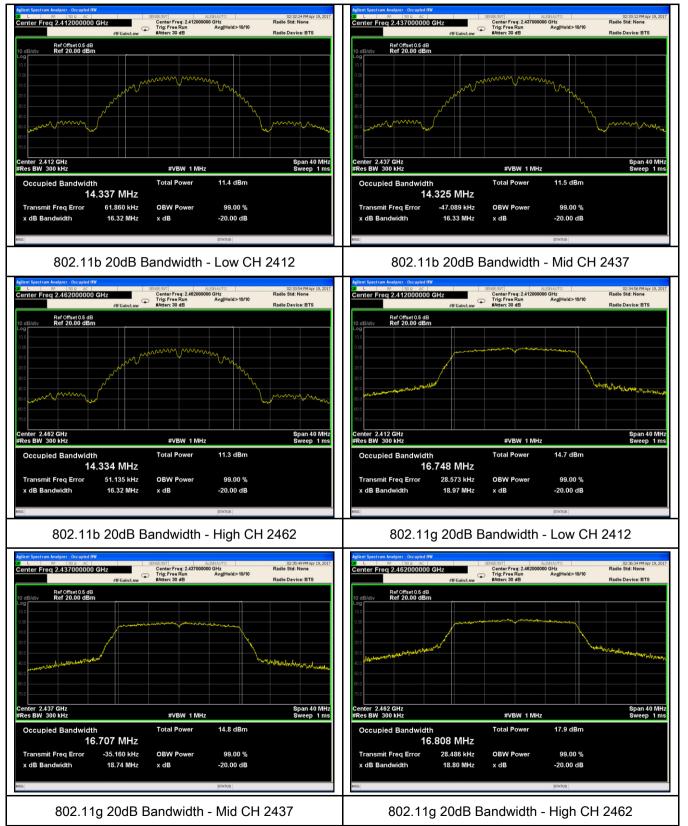
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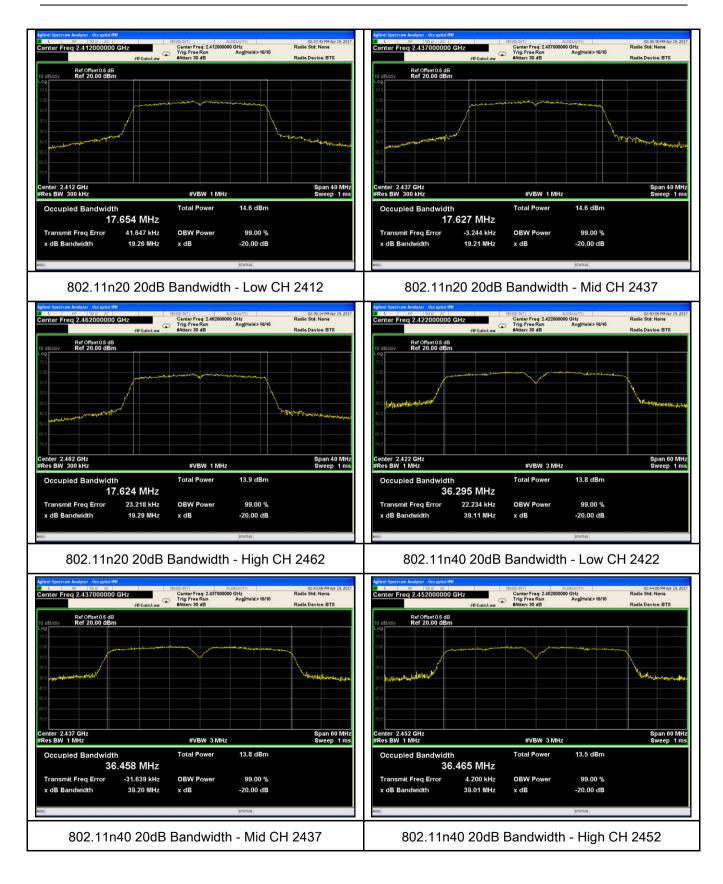
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20 dB Bandwidth measurement result





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6.3 Maximum Output Power

| Temperature | 24 °C |
|----------------------|----------------|
| Relative Humidity | 52% |
| Atmospheric Pressure | 1019mbar |
| Test date : | April 19, 2017 |
| Tested By : | Loren Luo |

Requirement(s):

| Spec | Ite Requirement | | Applicable | | | |
|--------------------------|--|--|---------------|--|--|--|
| opee | m | | | | | |
| | a) | FHSS in 2400-2483.5MHz with \geq 75 channels: \leq 1 Watt | | | | |
| | b) | FHSS in 5725-5850MHz: ≤ 1 Watt | | | | |
| §15.247(b) (3),RSS210 | c) | For all other FHSS in the 2400-2483.5MHz band: ≤ 0.125 Watt. | | | | |
| (A8.4) | d) | FHSS in 902-928MHz with \geq 50 channels: \leq 1 Watt | | | | |
| (7.0.7) | e) | FHSS in 902-928MHz with ≥ 25 & <50 channels: ≤ 0.25 | | | | |
| | | Watt | | | | |
| | f) | DTS in 902-928MHz, 2400-2483.5MHz: ≤ 1 Watt | ~ | | | |
| Test Setup | | Spectrum Analyzer EUT | | | | |
| | 558074 D01 DTS MEAS Guidance v03r03, 9.1.2 Integrated band power method | | | | | |
| | Maximum output power measurement procedure | | | | | |
| | - a) Set span to at least 1.5 times the OBW. | | | | | |
| | - | | | | | |
| Test | - c) Set VBW ≥ 3 x RBW. - d) Number of points in sweep ≥ 2 × span / RBW. (This gives bin-to-bin spacing | | | | | |
| Procedure | ≤ RBW/2, so that narrowband signals are not lost between frequency bins.) | | | | | |
| Tiocedure | e) Sweep time = auto. | | | | | |
| | - | f) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample | | | | |
| | | detector mode. | | | | |
| | - | g) If transmit duty cycle < 98 %, use a sweep trigger with the level s | set to enable | | | |
| | | triggering only on full power pulses. The transmitter shall operate a | t maximum | | | |

| SIF | MIC | Test Report No. | 17070263-FCC-R4 |
|-----------|--|---|--|
| | is Group Company | Page | 17 of 60 |
| | continuously (transmission is be set to "fre - h) Trace avera - i) Compute po using the instr equal to the O function, sum | .e., with no off int s entirely at the m e run". ge at least 100 tr wer by integrating ument's band po BW band edges. | e duration of every sweep. If the EUT transmits ervals) or at duty cycle ≥ 98 %, and if each aximum power control level, then the trigger shall aces in power averaging (i.e., RMS) mode. g the spectrum across the OBW of the signal ower measurement function, with band limits set If the instrument does not have a band power els (in power units) at intervals equal to the RBW W of the spectrum. |
| Remark | | | |
| Result | Pass | Fail | |
| Test Data | Yes | N/A | |

| Test | Plot |
|------|------|
| | |

Yes N/A Yes (See below)

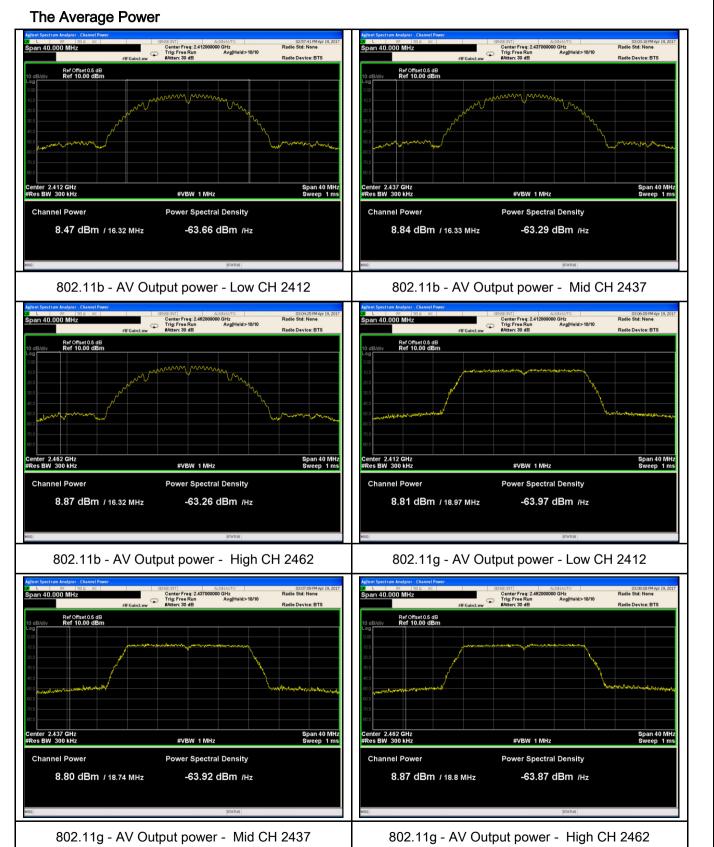
Output Power measurement result

| Туре | Test mode | СН | Frequency (MHz) | Conducted Power (dBm) | Limit (dBm) | Result |
|--------|-----------------------------|------|--------------------|--------------------------|----------------|--------|
| | | Low | 2412 | 8.47 | 30 | Pass |
| | 802.11b | Mid | 2437 | 8.84 | 30 | Pass |
| | | High | 2462 | 8.87 | 30 | Pass |
| | 802.11g | Low | 2412 | 8.81 | 30 | Pass |
| | | Mid | 2437 | 8.80 | 30 | Pass |
| Output | | High | 2462 | 8.87 | 30 | Pass |
| power | 802.11n (20M) 802.11n | Low | 2412 | 8.92 | 30 | Pass |
| | | Mid | 2437 | 8.81 | 30 | Pass |
| | | High | 2462 | 8.91 | 30 | Pass |
| | | Low | 2422 | 8.30 | 30 | Pass |
| | | Mid | 2437 | 8.36 | 30 | Pass |
| | (40M) | High | 2452 | 8.53 | 30 | Pass |



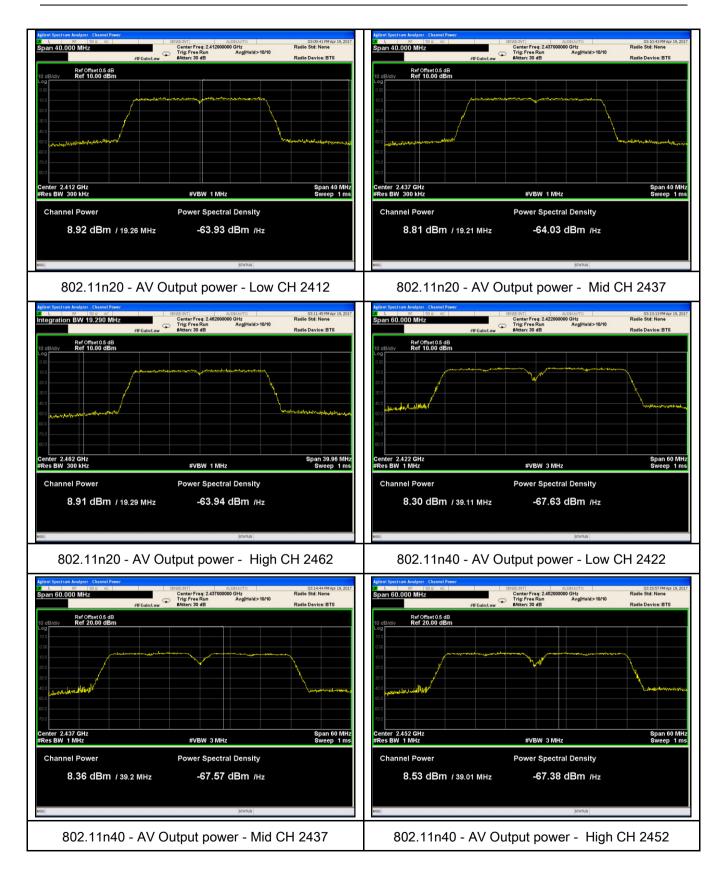
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Test Plots





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6.4 Power Spectral Density

| Temperature | 24 °C |
|----------------------|----------------|
| Relative Humidity | 52% |
| Atmospheric Pressure | 1019mbar |
| Test date : | April 19, 2017 |
| Tested By : | Loren Luo |

| Spec | Item | Requirement | Applicable | | |
|-------------------|--|---|------------|--|--|
| §15.247(e) | a) | a) The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. | | | |
| Test Setup | | Spectrum Analyzer EUT | | | |
| Test Procedure | power s - - - - - - - - - - - | D01 DTS MEAS Guidance v03r03, 10.2 power spectral densises spectral density measurement procedure a) Set analyzer center frequency to DTS channel center freque b) Set the span to 1.5 times the DTS bandwidth. c) Set the RBW to: 3 kHz ≤ RBW ≤ 100 kHz. d) Set the VBW ≥ 3 × RBW. e) Detector = peak. f) Sweep time = auto couple. g) Trace mode = max hold. h) Allow trace to fully stabilize. i) Use the peak marker function to determine the maximum at level within the RBW. j) If measured value exceeds limit, reduce RBW (no less than repeat. | nency. | | |
| Remark | | | | | |
| Result | Pas | ss Fail | | | |



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| Test Data | Yes |
|-----------|-----------------|
| Test Plot | Yes (See below) |

□_{N/A} □_{N/A}

Test Plot

Power Spectral Density measurement result

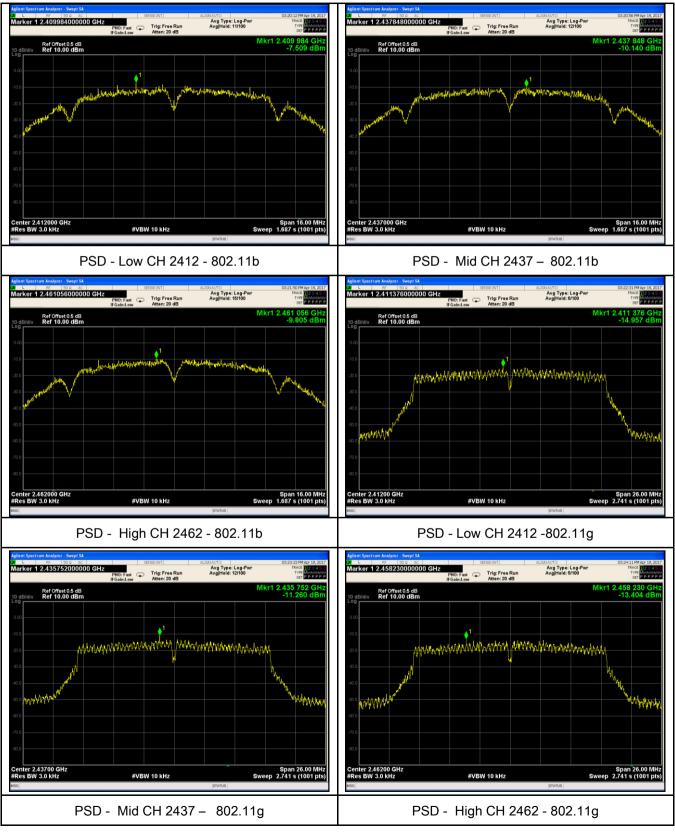
| Туре | Test mode | СН | Freq (MHz) | PSD (dBm) | Limit (dBm) | Result |
|------|-----------|------|---------------|--------------|----------------|--------|
| | | Low | 2412 | -7.509 | 8 | Pass |
| | 802.11b | Mid | 2437 | -10.140 | 8 | Pass |
| | | High | 2462 | -9.805 | 8 | Pass |
| | 802.11g | Low | 2412 | -14.957 | 8 | Pass |
| | | Mid | 2437 | -11.260 | 8 | Pass |
| PSD | | High | 2462 | -13.404 | 8 | Pass |
| P3D | 802.11n | Low | 2412 | -13.514 | 8 | Pass |
| | | Mid | 2437 | -12.812 | 8 | Pass |
| | (20M) | High | 2462 | -13.166 | 8 | Pass |
| | 802.11n | Low | 2422 | -16.367 | 8 | Pass |
| | | Mid | 2437 | -16.359 | 8 | Pass |
| | (40M) | High | 2452 | -17.748 | 8 | Pass |



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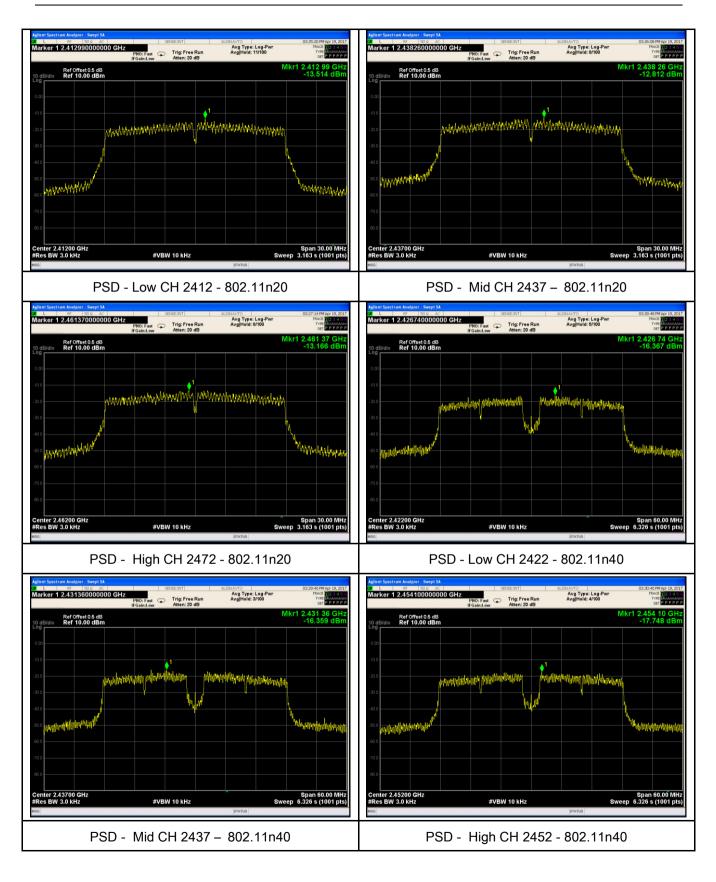
Test Plots

Power Spectral Density measurement result





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6.5 Band-Edge & Unwanted Emissions into Restricted Frequency Bands

| Temperature | 23 °C |
|----------------------|----------------|
| Relative Humidity | 56% |
| Atmospheric Pressure | 1014mbar |
| Test date : | April 14, 2017 |
| Tested By : | Loren Luo |

Requirement(s):

| Spec | Item | Requirement | Applicable | | | | |
|-------------------|---|---|------------|--|--|--|--|
| §15.247(d) | 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 L-4m Variable Support Units 0.8/1.5m Ground Plane Test Receiver | | | | | |
| Test Procedure | 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, and make sure the instrument is operated in its linear range. | | | | | | |

| 3 | | | | | | | |
|--------------------|--|------------------|--|--|--|--|--|
| SİT | | Test Report No. | 17070263-FCC-R4 | | | | |
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| | 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 abov | ve procedures ur | ntil all measured frequencies were complete. | | | | |
| Remark | | | | | | | |
| Result | Pass | Fail | | | | | |
| Test Data | ′es es (See below) | N/A N/A | | | | | |
| | | | | | | | |



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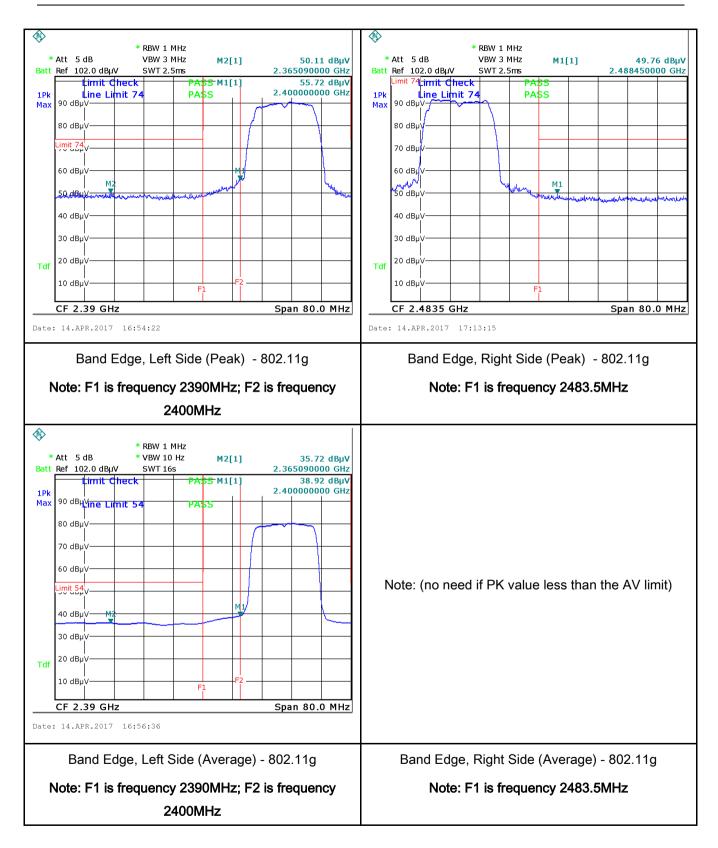
Test Plots

Band Edge measurement result





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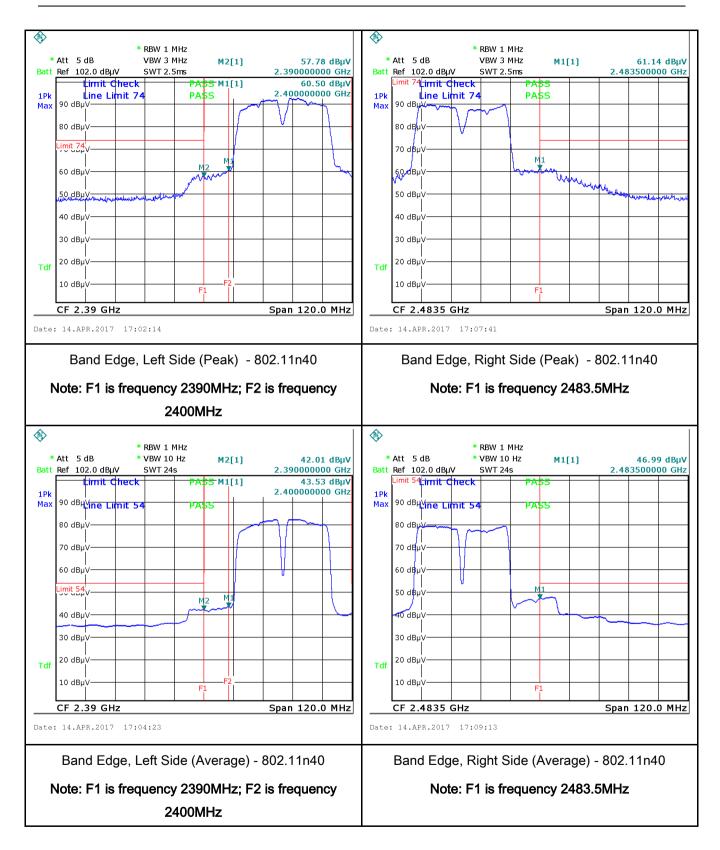
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6.6 AC Power Line Conducted Emissions

| Temperature | 24 °C |
|----------------------|----------------|
| Relative Humidity | 53% |
| Atmospheric Pressure | 1011mbar |
| Test date : | April 11, 2017 |
| Tested By : | Loren Luo |

Requirement(s):

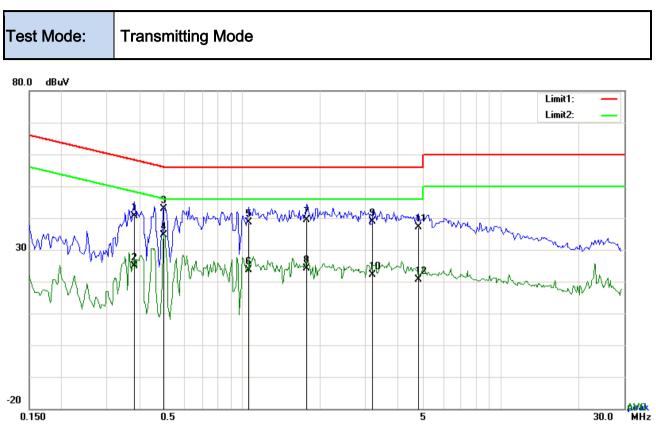
| Spec | Item | Requirement | | Applicable | | | |
|---------------------------------------|------------------------|--|---|------------|--|--|--|
| 47CFR§15. 207, RSS210 (A8.1) | a) | For Low-power radio-fr connected to the public voltage that is conducted frequency or frequencies not exceed the limits in [mu] H/50 ohms line im lower limit applies at th Frequency ranges (MHz) $0.15 \sim 0.5$ $0.5 \sim 5$ $5 \sim 30$ | ٢ | | | | |
| Test Setup | | Vertical Ground Reference Plane UT UT Bocm UISN UT Bocm 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 | | | | | |
| Procedure | the 2. The filte | 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. | | | | | |

| Sir | MIC | Test Report No. | 17070263-FCC-R4 |
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| | coaxial cable. | | |
| | | quipment were po | owered separately from another main supply. |
| | | | to warm up to its normal operating condition. |
| | 6. A scan was made on t | he NEUTRAL lin | e (for AC mains) or Earth line (for DC power) |
| | over the required frequ | uency range usin | g an EMI test receiver. |
| | 7. High peaks, relative to | the limit line, Th | e EMI test receiver was then tuned to the |
| | selected frequencies a | and the necessar | y measurements made with a receiver bandwidth |
| | setting of 10 kHz. | | |
| | 8. Step 7 was then repea | ated for the LIVE | line (for AC mains) or DC line (for DC power). |
| Remark | | | |
| Result | Pass Fa | ail | |
| Test Data Test Plot ✓ | Yes Yes (See below) | N/A N/A | |



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Test Data

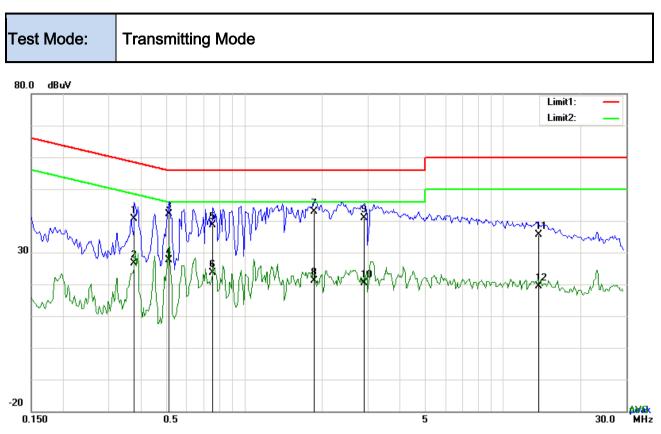
Phase Line Plot at 120Vac, 60Hz

| No. | P/L | Frequency (MHz) | Reading (dBµV) | Detector | Corrected (dB) | Result (dBµV) | Limit (dBµV) | Margin (dB) |
|-----|-----|--------------------|-------------------|----------|-------------------|------------------|-----------------|----------------|
| 1 | L1 | 0.3840 | 30.52 | QP | 10.03 | 40.55 | 58.19 | -17.64 |
| 2 | L1 | 0.3840 | 14.90 | AVG | 10.03 | 24.93 | 48.19 | -23.26 |
| 3 | L1 | 0.4971 | 32.75 | QP | 10.03 | 42.78 | 56.05 | -13.27 |
| 4 | L1 | 0.4971 | 24.53 | AVG | 10.03 | 34.56 | 46.05 | -11.49 |
| 5 | L1 | 1.0626 | 28.52 | QP | 10.03 | 38.55 | 56.00 | -17.45 |
| 6 | L1 | 1.0626 | 13.65 | AVG | 10.03 | 23.68 | 46.00 | -22.32 |
| 7 | L1 | 1.7802 | 29.42 | QP | 10.04 | 39.46 | 56.00 | -16.54 |
| 8 | L1 | 1.7802 | 13.98 | AVG | 10.04 | 24.02 | 46.00 | -21.98 |
| 9 | L1 | 3.1989 | 28.92 | QP | 10.06 | 38.98 | 56.00 | -17.02 |
| 10 | L1 | 3.1989 | 12.06 | AVG | 10.06 | 22.12 | 46.00 | -23.88 |
| 11 | L1 | 4.8018 | 27.02 | QP | 10.08 | 37.10 | 56.00 | -18.90 |
| 12 | L1 | 4.8018 | 10.66 | AVG | 10.08 | 20.74 | 46.00 | -25.26 |



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Test Data

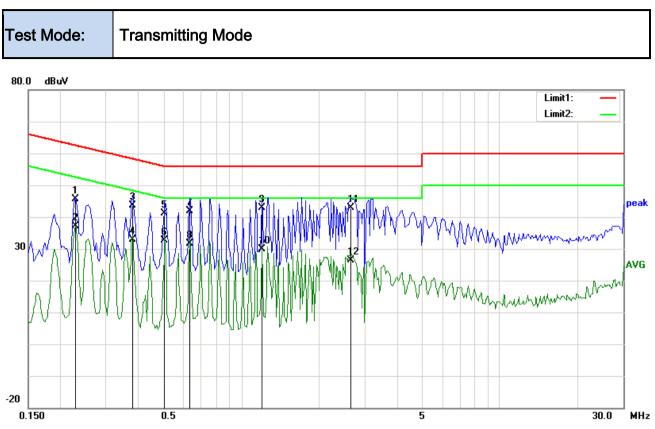
Phase Neutral Plot at 120Vac, 60Hz

| No. | P/L | Frequency (MHz) | Reading (dBµV) | Detector | Corrected (dB) | Result (dBµV) | Limit (dBµV) | Margin (dB) |
|-----|-----|--------------------|-------------------|----------|-------------------|------------------|-----------------|----------------|
| 1 | Ν | 0.3762 | 30.63 | QP | 10.02 | 40.65 | 58.36 | -17.71 |
| 2 | Ν | 0.3762 | 16.58 | AVG | 10.02 | 26.60 | 48.36 | -21.76 |
| 3 | Ν | 0.5127 | 32.14 | QP | 10.02 | 42.16 | 56.00 | -13.84 |
| 4 | Ν | 0.5127 | 17.56 | AVG | 10.02 | 27.58 | 46.00 | -18.42 |
| 5 | Ν | 0.7584 | 28.61 | QP | 10.03 | 38.64 | 56.00 | -17.36 |
| 6 | Ν | 0.7584 | 13.70 | AVG | 10.03 | 23.73 | 46.00 | -22.27 |
| 7 | Ν | 1.8621 | 32.88 | QP | 10.04 | 42.92 | 56.00 | -13.08 |
| 8 | Ν | 1.8621 | 10.98 | AVG | 10.04 | 21.02 | 46.00 | -24.98 |
| 9 | Ν | 2.9151 | 30.93 | QP | 10.05 | 40.98 | 56.00 | -15.02 |
| 10 | Ν | 2.9151 | 10.23 | AVG | 10.05 | 20.28 | 46.00 | -25.72 |
| 11 | Ν | 13.7094 | 25.35 | QP | 10.18 | 35.53 | 60.00 | -24.47 |
| 12 | Ν | 13.7094 | 9.10 | AVG | 10.18 | 19.28 | 50.00 | -30.72 |



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Test Data

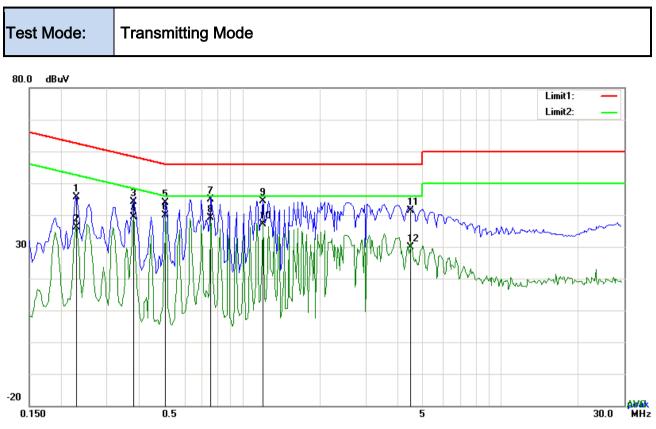
Phase Line Plot at 240Vac, 60Hz

| No. | P/L | Frequency (MHz) | Reading (dBµV) | Detector | Corrected (dB) | Result (dBµV) | Limit (dBµV) | Margin (dB) |
|-----|-----|--------------------|-------------------|----------|-------------------|------------------|-----------------|----------------|
| 1 | L1 | 0.2280 | 35.72 | QP | 10.03 | 45.75 | 62.52 | -16.77 |
| 2 | L1 | 0.2280 | 27.17 | AVG | 10.03 | 37.20 | 52.52 | -15.32 |
| 3 | L1 | 0.3801 | 33.57 | QP | 10.03 | 43.60 | 58.28 | -14.68 |
| 4 | L1 | 0.3801 | 22.78 | AVG | 10.03 | 32.81 | 48.28 | -15.47 |
| 5 | L1 | 0.5049 | 31.22 | QP | 10.03 | 41.25 | 56.00 | -14.75 |
| 6 | L1 | 0.5049 | 22.70 | AVG | 10.03 | 32.73 | 46.00 | -13.27 |
| 7 | L1 | 0.6336 | 31.83 | QP | 10.03 | 41.86 | 56.00 | -14.14 |
| 8 | L1 | 0.6336 | 21.49 | AVG | 10.03 | 31.52 | 46.00 | -14.48 |
| 9 | L1 | 1.2030 | 32.96 | QP | 10.03 | 42.99 | 56.00 | -13.01 |
| 10 | L1 | 1.2030 | 19.92 | AVG | 10.03 | 29.95 | 46.00 | -16.05 |
| 11 | L1 | 2.6616 | 32.95 | QP | 10.05 | 43.00 | 56.00 | -13.00 |
| 12 | L1 | 2.6616 | 16.28 | AVG | 10.05 | 26.33 | 46.00 | -19.67 |



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Test Data

Phase Neutral Plot at 240Vac, 60Hz

| No. | P/L | Frequency (MHz) | Reading (dBµV) | Detector | Corrected (dB) | Result (dBµV) | Limit (dBµV) | Margin (dB) |
|-----|-----|--------------------|-------------------|----------|-------------------|------------------|-----------------|----------------|
| 1 | Ν | 0.2280 | 35.63 | QP | 10.02 | 45.65 | 62.52 | -16.87 |
| 2 | Ν | 0.2280 | 26.22 | AVG | 10.02 | 36.24 | 52.52 | -16.28 |
| 3 | Ν | 0.3801 | 34.03 | QP | 10.02 | 44.05 | 58.28 | -14.23 |
| 4 | Ν | 0.3801 | 29.40 | AVG | 10.02 | 39.42 | 48.28 | -8.86 |
| 5 | Ν | 0.5049 | 33.78 | QP | 10.02 | 43.80 | 56.00 | -12.20 |
| 6 | Ν | 0.5049 | 29.79 | AVG | 10.02 | 39.81 | 46.00 | -6.19 |
| 7 | Ν | 0.7584 | 34.77 | QP | 10.03 | 44.80 | 56.00 | -11.20 |
| 8 | Ν | 0.7584 | 28.99 | AVG | 10.03 | 39.02 | 46.00 | -6.98 |
| 9 | Ν | 1.2030 | 34.32 | QP | 10.03 | 44.35 | 56.00 | -11.65 |
| 10 | Ν | 1.2030 | 26.98 | AVG | 10.03 | 37.01 | 46.00 | -8.99 |
| 11 | Ν | 4.4898 | 31.37 | QP | 10.06 | 41.43 | 56.00 | -14.57 |
| 12 | Ν | 4.4898 | 19.73 | AVG | 10.06 | 29.79 | 46.00 | -16.21 |