

Page 1 of 66

FCC Test Report

Report No.: AGC02150180601FE03

| FCC ID | : 2A05F-B2201 |
|----------------------------------|--|
| APPLICATION PURPOSE | : Original Equipment |
| PRODUCT DESIGNATION | : wireless speaker |
| BRAND NAME | : Wharfedale |
| MODEL NAME | : B2201 |
| CLIENT | : IAG GROUP LTD. |
| DATE OF ISSUE | : Jul 30, 2018 |
| STANDARD(S) TEST PROCEDURE(S) | : FCC Part 15 Subpart C Section 15.249 |
| REPORT VERSION | : V1.0 |
| | |

Attestation of Global Compliance (Shenzhen) Co., Ltd

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|----------------|-------------|---------------|---------------|-----------------|
| Report Version | Revise Time | Issued Date | Valid Version | Notes |
| V1.0 | | Jul. 30, 2018 | Valid | Initial release |

Report Revise Record

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| Applicant | IAG GROUP LTD. | | | | | |
|--|---|--|--|--|--|--|
| Address Sanecore Science & Technology Industry Park, Jiuwei Village, Xixiang Town, Shenzhen, China | | | | | | |
| Manufacturer | Sanecore Audio (Jian) Ltd | | | | | |
| Address | IAG Industrial Park, Fenghuang Town, Jian, Jiangxi Province, China. | | | | | |
| Product Designation | wireless speaker | | | | | |
| Brand Name | Wharfedale | | | | | |
| Test Model | B2201 | | | | | |
| Date of test | Jul. 02, 2018 to Jul. 10, 2018 | | | | | |
| Deviation | None | | | | | |
| Condition of Test Sample | Normal | | | | | |
| Report Template | AGCRT-US-BR/RF | | | | | |

1. VERIFICATION OF CONFORMITY

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, the energy emitted by the sample tested as described in this report is in compliance with the requirements of FCC Rules Part 15.249. The test results of this report relate only to the tested sample identified in this report.

Jonhan Wang

Tested By

Jonhen Wang(Wang Yonghuan)

Jul. 10, 2018

we chang

Reviewed By

Cool Cheng(Cheng Mengguo)

Jul. 30, 2018

Forvesto e

Approved By

Forrest Lei(Lei Yonggang) Authorized Officer

Jul. 30, 2018

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2. GENERAL INFORMATION 2.1. PRODUCT DESCRIPTION

A major technical description of EUT is described as following

| 2.402 GHz to 2.480GHz |
|--|
| V4.2 |
| BR ⊠GFSK, EDR ⊠π /4-DQPSK, ⊠8DPSK BLE □GFSK |
| 79 for BR/EDR |
| V1.0 |
| V1.0 |
| PCB Antenna |
| -0.04dBi |
| DC 7.4V by battery |
| |

Note: 1. The Type-C USB port only be used for charging and can't be used to transfer data with PC.

2. The standard USB port only be used to power supply for other device and can't be used to transfer data with PC.

2.2. TABLE OF CARRIER FREQUENCYS

BR/EDR channel List

| Frequency Band | Channel Number | Frequency | | |
|--|--|-----------|--|--|
| | 0 that the second | 2402MHz | | |
| The the providence | E There are a C | 2403MHz | | |
| e a the state of the second se | | | | |
| GU NOU | 38 | 2440 MHz | | |
| 2400~2483.5MHz | 39 | 2441 MHz | | |
| The Commence | 40 | 2442 MHz | | |
| | | | | |
| | 77 | 2479 MHz | | |
| The second | · 78 · · · · · · · · · · · · · · · · · · | 2480 MHz | | |

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3. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y \pm U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%. - Uncertainty of Conducted Emission, Uc = \pm 3.2 dB

- Uncertainty of Radiated Emission below 1GHz, $Uc = \pm 3.9 \text{ dB}$

- Uncertainty of Radiated Emission above 1GHz, Uc = ±4.8 dB

| NO. | | TEST MODE | DESCRIPTION | N | |
|-----------------|----------------------------|--------------|----------------|--------------------|---------------|
| C The Indiana C | South of Cooler | Low cha | annel GFSK | | |
| 2 2 | 1 CO | Middle ch | annel GFSK | The states | to compliance |
| 3 | THE THE | High cha | annel GFSK | C Thestation of | |
| 4 K 1 | C The Mand Clarke Com | Low channe | el π /4-DQPSK | GO | |
| © 5 5 and Com | 10 × 00 | Middle chann | nel π /4-DQPSk | the same | 本語 |
| 6 | | High channe | el π /4-DQPSK | Find Global Comme | Find Good |
| 7 | A marce O The France Count | Low char | nnel 8DPSK | <u> </u> | |
| 8 S | | Middle cha | annel 8DPSK | | 107 |
| 9 | | High chai | nnel 8DPSK | T. | al Compliance |
| 10 | A THE | BT Link w | vith charging | C Atlestation of C | C AND |
| 11Eth Constant | F Franciscome | Свт | Г Link | 3 | |

4. DESCRIPTION OF TEST MODES

Note:

1. All the test modes can be supply by battery, only the result of the worst case was recorded in the report, if no other cases.

2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.

3. The EUT used fully-charged battery when tested.

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| BT ONLY UART V Port = 4 Ba | udrate=115200 🔽 Open Close |
|---|--|
| n Link Mode Hopping RW LE Test | DL Patch |
| Channel 0 Packet Type DH1 Payload Type ALL'0 Tx Packet Count 0 Tx Gain Index 6 Tx Gain Value 0xCE Parameter 1 Parameter 2 Parameter 3 | Pkt-Tx Exec Stop Item Value Tx bits 467856 Tx Pkt Count 2166 TX Report |
| lessage >LeTest_Stop >DeTest_Start : TX >Disable Thermal function >LeTest_Stop >Enable TRX Thread Mode!! >ActionControlExcute(Pkt-Tx) Success!! | |

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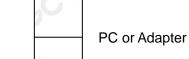
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5. SYSTEM TEST CONFIGURATION 5.1. CONFIGURATION OF EUT SYSTEM

Configure 1: (Normal hopping)

EUT



Note: Owing to the EUT has own battery, testing may be performed while PC or adapter removed.

Configure 2: (Control continuous TX)



5.2. EQUIPMENT USED IN EUT SYSTEM

| ltem | Equipment | Mfr/Brand | Model/Type No. | Remark |
|------|------------------|------------|----------------|-----------|
| 1 | wireless speaker | Wharfedale | B2201 | EUT |
| 2 | Battery | WLY G | 18650 | Accessory |
| 3 | PC PC | APPLE | A1465 | A.E |
| 4 | Control box | SERIAL | N/A | A.E |
| 5 | Adapter | IPRO | NTR-S01 | A.E |
| 6 | USB Cable | N/A | 1m unshielded | A.E |
| 7 | AUX in Cable | N/A | 1m unshielded | A.E |
| 8 | Mobile Phone | HUAWEI | V9 | A.E |
| 9 | Load | HPX | RX24 | A.E |

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5.3. SUMMARY OF TEST RESULTS

| FCC RULES | DESCRIPTION OF TEST | RESULT |
|-----------------------|---------------------|-----------|
| §15.249(a) §15.209 | Radiated Emission | Compliant |
| §15.249(d) | Band Edges | Compliant |
| §15.207 | Conduction Emission | Compliant |
| §15.215 | Bandwidth | Compliant |

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6. TEST FACILITY

| Test Site | Attestation of Global Compliance (Shenzhen) Co., Ltd | | |
|--|--|--|--|
| Location | 1-2F., Bldg.2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District B112-B113, Bldg.12, Baoan Bldg Materials Center, No.1 of Xixiang Inner Ring Road, Baoan District, Shenzhen 518012 | | |
| NVLAP Lab Code | 600153-0 | | |
| Designation Number | CN5028 | | |
| Test Firm Registration Number | 682566 | | |
| Description Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited Voluntary Laboratory Accreditation program, NVLAP Code 600153-0 | | | |

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7. TEST METHOD

All measurements contained in this report were conducted with ANSI C63.10-2013

8. TEST EQUIPMENT LIST

TEST EQUIPMENT OF CONDUCTED EMISSION TEST

| Equipment | Manufacturer | Model | S/N | Cal. Date | Cal. Due |
|---------------|--------------|---------|--------|--------------|--------------|
| Test Receiver | R&S | ESPI | 101206 | Jun.20, 2018 | Jun.19, 2019 |
| LISN | R&S | ESH2-Z5 | 100086 | Aug.21, 2017 | Aug.20, 2018 |

TEST EQUIPMENT OF RADIATED EMISSION TEST

| Equipment | Manufacturer | Model | S/N | Cal. Date | Cal. Due |
|---------------------------------|-----------------|-------------|-----------------------|---------------|---------------|
| Test Receiver | R&S | ESCI | 10096 | Jun.20, 2018 | Jun.19, 2019 |
| EXA Signal Analyzer | Aglient | N9010A | MY53470504 | Dec.08, 2017 | Dec.07, 2018 |
| Horn antenna | SCHWARZBECK | BBHA 9170 | #768 | Sep.20, 2017 | Sep.19, 2018 |
| preamplifier | ChengYi | EMC184045SE | 980508 | Sep.15, 2017 | Sep.14, 2018 |
| Double-Ridged Waveguide Horn | ETS LINDGREN | 3117 | 00034609 | May 18, 2017 | May 17, 2019 |
| Broadband Preamplifier | SCHWARZBECK | BBV 9718 | 9718-205 | Jun.20, 2018 | Jun.19, 2019 |
| Antenna | SCHWARZBECK | VULB9168 | D69250 | Sep.28, 2017 | Sep.27, 2018 |
| Loop Antenna | A.H.Systems,Inc | SAS-562B | C [*] | Mar. 01, 2018 | Feb. 28, 2019 |
| Radiation Cable 1 | МХТ | RS1 | R005 | N/A | N/A |
| Radiation Cable 2 | МХТ | 🔹 🔷 RS1 | R006 | N/A | N/A |
| Filter (2.4-2.483GHz) | Micro-tronics | 087 | 20 | Jun.20, 2018 | Jun.19, 2019 |

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9. RADIATED EMISSION

9.1TEST LIMIT

Standard FCC15.249

| Fundamental | Field Strength of Fundamental | Field Strength of Harmonics |
|----------------|-------------------------------|-----------------------------|
| Frequency | (millivolts/meter) | (microvolts/meter) |
| 900-928MHz | 50 | 500 |
| 2400-2483.5MHz | 50 6 | 500 |
| 5725-5875MHz | 50 | 500 |
| 24.0-24.25GHz | 250 | 2500 |

Standard FCC 15.209

| Frequency | Distance | Field Str | engths Limit |
|---------------|----------------|----------------------------------|----------------------|
| (MHz) | Meters | μ V/m | dB(µV)/m |
| 0.009 ~ 0.490 | 300 | 2400/F(kHz) | |
| 0.490 ~ 1.705 | 30 | 24000/F(kHz) | |
| 1.705 ~ 30 | 30 | 30 | E England Con Call |
| 30 ~ 88 | 3 | 100 | 40.0 |
| 88 ~ 216 | 3 | 150 | 43.5 |
| 216 ~ 960 | 3 | 200 | 46.0 |
| 960 ~ 1000 | 3 | 500 | 54.0 |
| Above 1000 | 3 South States | Other:74.0 dB(µV)/m (Average) | (Peak) 54.0 dB(µV)/m |

Remark: (1) Emission level dB μ V = 20 log Emission level μ V/m

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

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9.2. MEASUREMENT PROCEDURE

- The measuring distance of 3m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation(Below 1GHz)
- The measuring distance of 3m shall used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation(Above 1GHz)
- 3. The height of the test antenna shall vary between 1m to 4m.Both horizontal and vertical polarization Of the antenna are set to make the measurement.
- 4. The initial step in collecting radiated emission data is a receive peak detector mode. Pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- 5. All readings are peak unless otherwise stated QP in column of Note. Peak denoted that the Peak reading compliance with the QP limits and then QP Mode measurement didn't perform(Below 1GHz)
- 6. All readings are Peak mode value unless otherwise stated AVG in column of Note. If the Peak mode measured value compliance with the Peak limits and lower than AVG Limits, the EUT shall be deemed to meet Peak & AVG limits and then only Peak mode was measured, but AVG mode didn't perform.(Above 1GHz)

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| Spectrum Parameter | Setting |
|-----------------------|--|
| Start ~Stop Frequency | 9KHz~150KHz/RB 200Hz for QP |
| Start ~Stop Frequency | 150KHz~30MHz/RB 9KHz for QP |
| Start ~Stop Frequency | 30MHz~1000MHz/RB 120KHz for QP |
| Start ~Stop Frequency | Fundamental: 2.4~2.483GHz RBW 2MHz/ VBW 6MHz for Peak, RBW 2MHz/ VBW 10Hz for Average Harmonics: 1GHz~25GHz RBW 1MHz/ VBW 3MHz for Peak, RBW 1MHz/ VBW 10Hz for Average |
| Receiver Parameter | Setting |
| Start ~Stop Frequency | 9KHz~150KHz/RB 200Hz for QP |
| Start ~Stop Frequency | 150KHz~30MHz/RB 9KHz for QP |
| Start ~Stop Frequency | 30MHz~1000MHz/RB 120KHz for QP |

The following table is the setting of spectrum analyzer and receiver.

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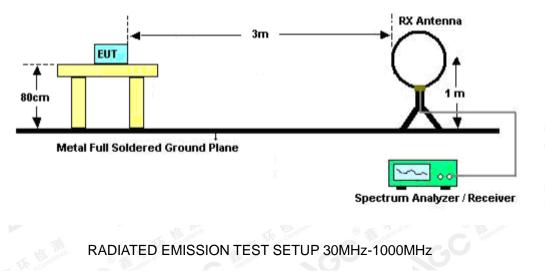


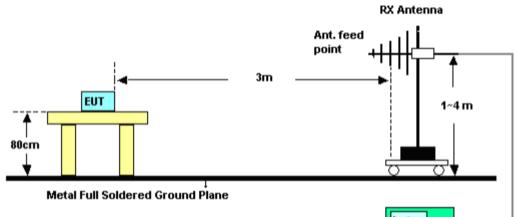


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9.3. TEST SETUP

Radiated Emission Test-Setup Frequency Below 30MHz





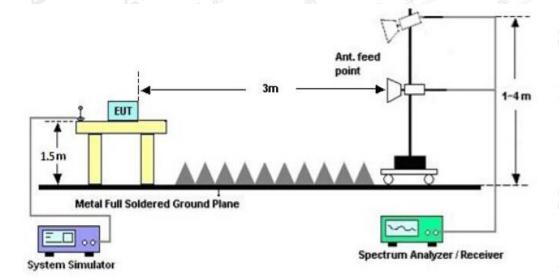
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Spectrum Analyzer / Receiver



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RADIATED EMISSION TEST SETUP ABOVE 1000MHz

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9.4. TEST RESULT

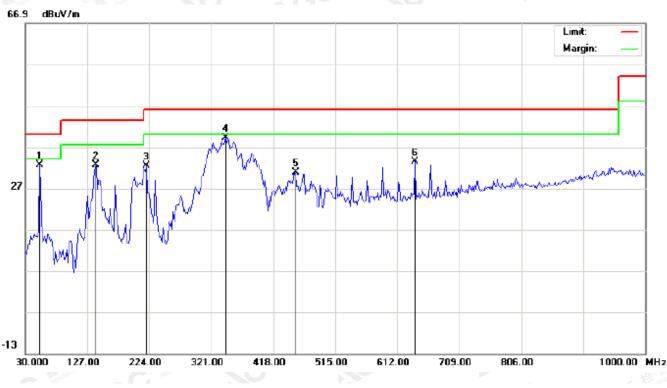
FOR BR/EDR

(Worst modulation: 8DPSK)

RADIATED EMISSION BELOW 30MHz

No emission found between lowest internal used/generated frequencies to 30MHz. RADIATED EMISSION BELOW 1GHz

RADIATED EMISSION TEST- (30MHz-1GHz)-LOW CHANNEL-HORIZONTAL

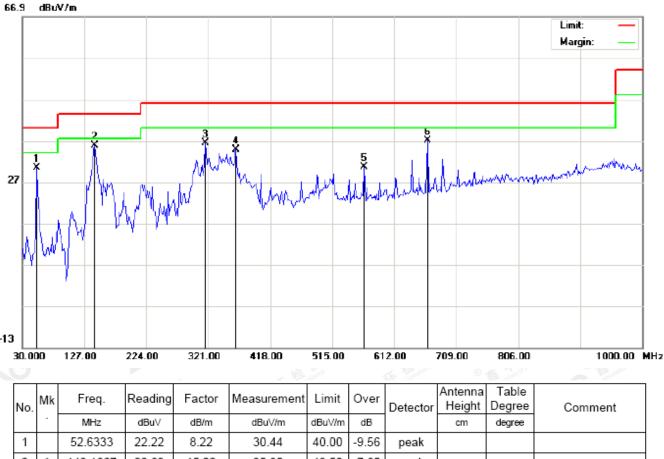


| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | - | MHz | dBu∨ | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 52.6333 | 24.20 | 8.41 | 32.61 | 40.00 | -7.39 | peak | | | |
| 2 | | 139.9333 | 17.51 | 15.17 | 32.68 | 43.50 | -10.82 | peak | | | |
| 3 | | 219.1500 | 22.30 | 10.05 | 32.35 | 46.00 | -13.65 | peak | | | |
| 4 | * | 343.6333 | 20.98 | 18.32 | 39.30 | 46.00 | -6.70 | peak | | | |
| 5 | | 453.5667 | 10.27 | 20.63 | 30.90 | 46.00 | -15.10 | peak | | | |
| 6 | | 639.4833 | 9.49 | 23.82 | 33.31 | 46.00 | -12.69 | peak | | | |

RESULT: PASS

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RADIATED EMISSION TEST- (30MHz-1GHz)-LOW CHANNEL -VERTICAL

| No. | IVIK | rieq. | rteauing | ractor | weasurement | Luur | 0,01 | Detector | Height | Degree | Comment |
|-----|------|----------|----------|--------|-------------|--------|--------|----------|--------|--------|---------|
| | - | MHz | dBu∨ | dB/m | dBu∀/m | dBuV/m | dB | | cm | degree | |
| 1 | | 52.6333 | 22.22 | 8.22 | 30.44 | 40.00 | -9.56 | peak | | | |
| 2 | * | 143.1667 | 20.63 | 15.22 | 35.85 | 43.50 | -7.65 | peak | | | |
| 3 | | 316.1500 | 19.85 | 16.49 | 36.34 | 46.00 | -9.66 | peak | | | |
| 4 | | 364.6500 | 15.89 | 18.84 | 34.73 | 46.00 | -11.27 | peak | | | |
| 5 | | 565.1167 | 8.06 | 22.56 | 30.62 | 46.00 | -15.38 | peak | | | |
| 6 | | 663.7333 | 12.73 | 24.22 | 36.95 | 46.00 | -9.05 | peak | | | |

RESULT: PASS

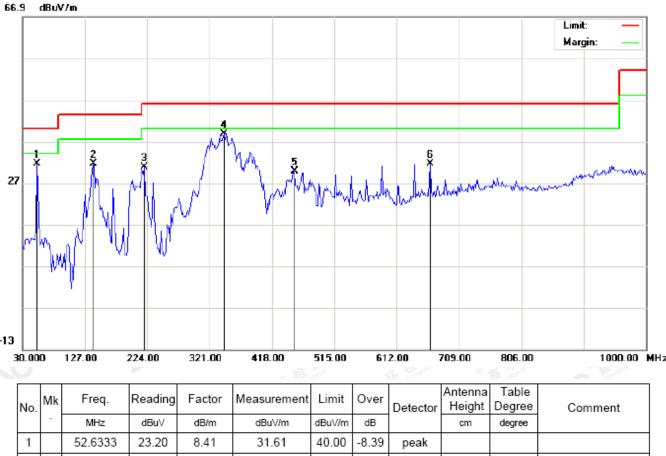
Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

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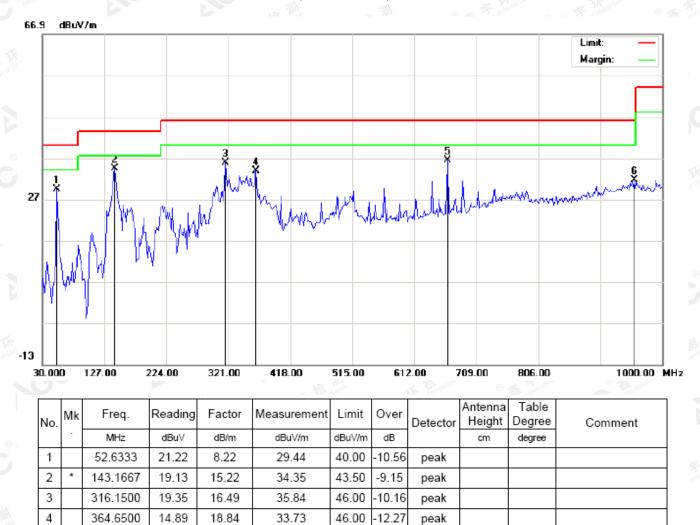
RADIATED EMISSION TEST- (30MHz-1GHz)-MIDDLE CHANNEL-HORIZONTAL

2 139.9333 16.51 15.17 31.68 43.50 -11.82 peak 3 219.1500 20.80 10.05 30.85 46.00 -15.15 peak 4 343.6333 20.48 18.32 38.80 46.00 -7.20 peak 5 453.5667 9.27 20.63 29.90 46.00 -16.10 peak 6 663.7333 7.33 24.23 31.56 46.00 -14.44 peak

RESULT: PASS

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RADIATED EMISSION TEST- (30MHz-1GHz)- MIDDLE CHANNEL -VERTICAL

RESULT: PASS

5

6

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

36.45

31.67

24.22

29.94

12.23

1.73

663.7333

956.3500

2. The "Factor" value can be calculated automatically by software of measurement system.

46.00

46.00

-9.55

-14.33

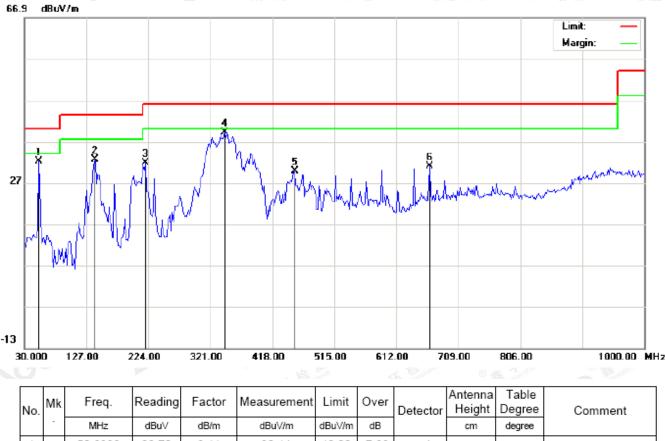
peak

peak

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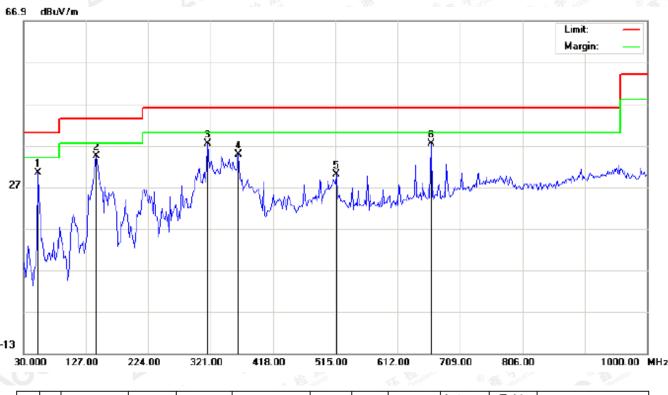
RADIATED EMISSION TEST- (30MHz-1GHz)-HIGH CHANNEL-HORIZONTAL

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Height | Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|--------|--------|---------|
| | - | MHz | dBu∀ | dB/m | dBu∀/m | dBuV/m | dB | | cm | degree | |
| 1 | | 52.6333 | 23.70 | 8.41 | 32.11 | 40.00 | -7.89 | peak | | | |
| 2 | | 139.9333 | 17.51 | 15.17 | 32.68 | 43.50 | -10.82 | peak | | | |
| 3 | | 219.1500 | 21.80 | 10.05 | 31.85 | 46.00 | -14.15 | peak | | | |
| 4 | * | 343.6333 | 20.98 | 18.32 | 39.30 | 46.00 | -6.70 | peak | | | |
| 5 | | 453.5667 | 9.27 | 20.63 | 29.90 | 46.00 | -16.10 | peak | | | |
| 6 | | 663.7333 | 6.83 | 24.23 | 31.06 | 46.00 | -14.94 | peak | | | |

RESULT: PASS

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RADIATED EMISSION TEST- (30MHz-1GHz)-HIGH CHANNEL -VERTICAL

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | - | MHz | dBu∨ | dB/m | dBu∀/m | dBuV/m | dB | | cm | degree | |
| 1 | | 52.6333 | 22.22 | 8.22 | 30.44 | 40.00 | -9.56 | peak | | | |
| 2 | | 143.1667 | 19.13 | 15.22 | 34.35 | 43.50 | -9.15 | peak | | | |
| 3 | | 316.1500 | 20.85 | 16.49 | 37.34 | 46.00 | -8.66 | peak | | | |
| 4 | | 364.6500 | 15.89 | 18.84 | 34.73 | 46.00 | -11.27 | peak | | | |
| 5 | | 516.6167 | 8.33 | 21.58 | 29.91 | 46.00 | -16.09 | peak | | | |
| 6 | * | 663.7333 | 13.23 | 24.22 | 37.45 | 46.00 | -8.55 | peak | | | |

RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

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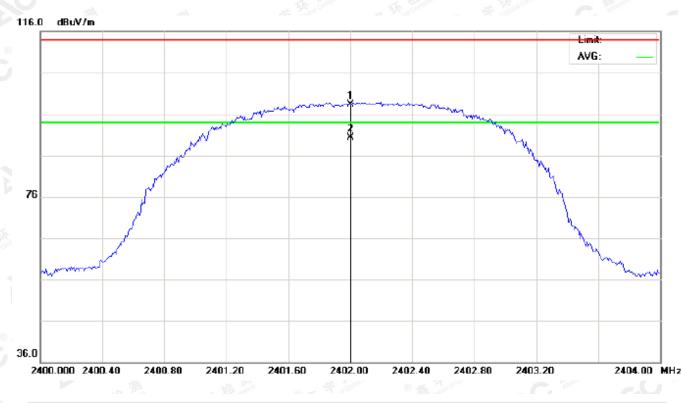
RADIATED EMISSION ABOVE 1GHz

FOR BR/EDR

(Worst modulation: 8DPSK)

For Fundamental

RADIATED EMISSION TEST- (ABOVE 1GHz)-LOW CHANNEL-HORIZONTAL



| N | lo. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|---|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | - | - | MHz | dBu∨ | dB/m | dBu\//m | dBuV/m | dB | | cm | degree | |
| Γ | 1 | | 2402.000 | 88.00 | 10.32 | 98.32 | 114.00 | -15.68 | peak | | | |
| | 2 | * | 2402.000 | 80.00 | 10.32 | 90.32 | 94.00 | -3.68 | AVG | 105 | | |

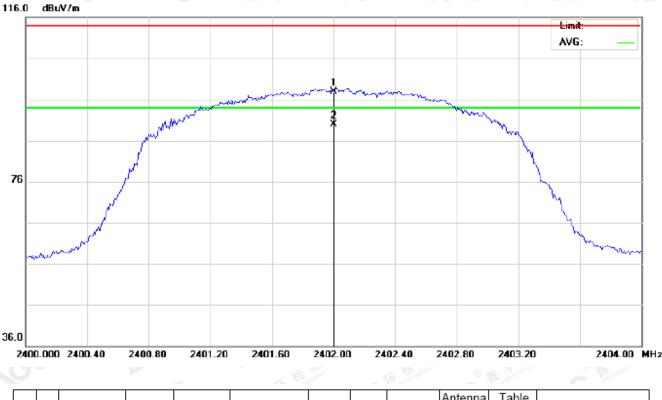
RESULT: PASS

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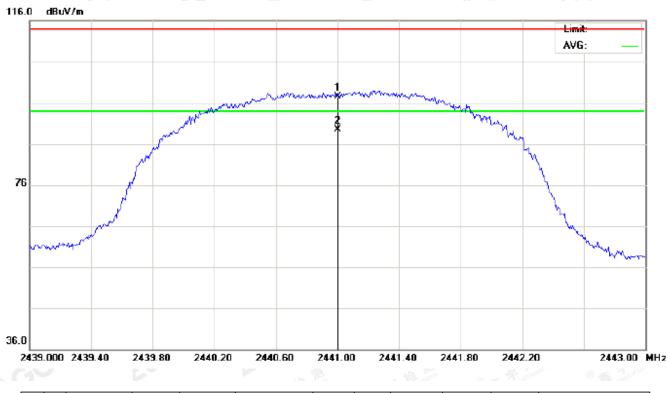
RADIATED EMISSION TEST- (ABOVE 1GHz)-LOW CHANNEL- VERTICAL

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | • | MHz | dBu∨ | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 2402.000 | 87.56 | 10.32 | 97.88 | 114.00 | -16.12 | peak | | | |
| 2 | * | 2402.000 | 79.57 | 10.32 | 89.89 | 94.00 | -4.11 | AVG | 100 | 331 | |

RESULT: PASS

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RADIATED EMISSION TEST- (ABOVE 1GHz)-MIDDLE CHANNEL-HORIZONTAL

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | • | MHz | dBu∨ | dB/m | dBu∀/m | dBuV/m | dB | | cm | degree | |
| 1 | | 2441.000 | 87.18 | 10.36 | 97.54 | 114.00 | -16.46 | peak | | | |
| 2 | * | 2441.000 | 79.19 | 10.36 | 89.55 | 94.00 | -4.45 | AVG | 100 | 121 | |

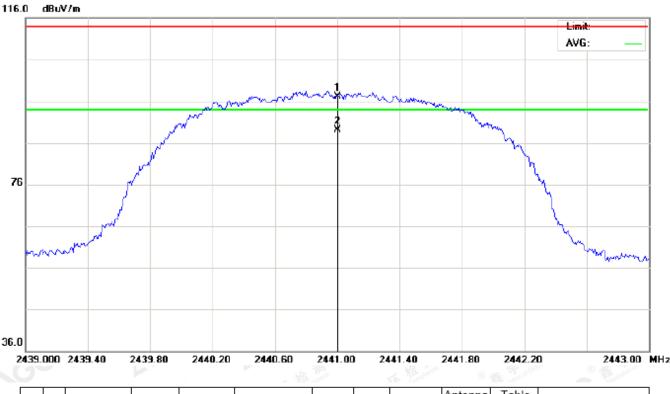
RESULT: PASS

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RADIATED EMISSION TEST- (ABOVE 1GHz)-MIDDLE CHANNEL- VERTICAL

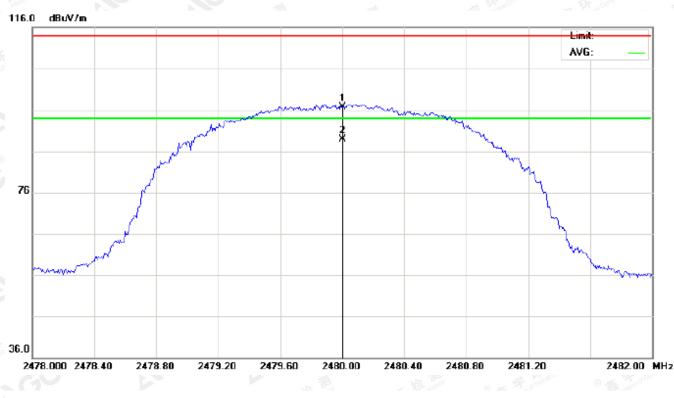
| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | - | MHz | dBu∀ | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 2441.000 | 86.70 | 10.36 | 97.06 | 114.00 | -16.94 | peak | | | |
| 2 | * | 2441.000 | 78.78 | 10.36 | 89.14 | 94.00 | -4.86 | AVG | 100 | 325 | |

RESULT: PASS

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RADIATED EMISSION TEST- (ABOVE 1GHz)-HIGH CHANNEL-HORIZONTAL

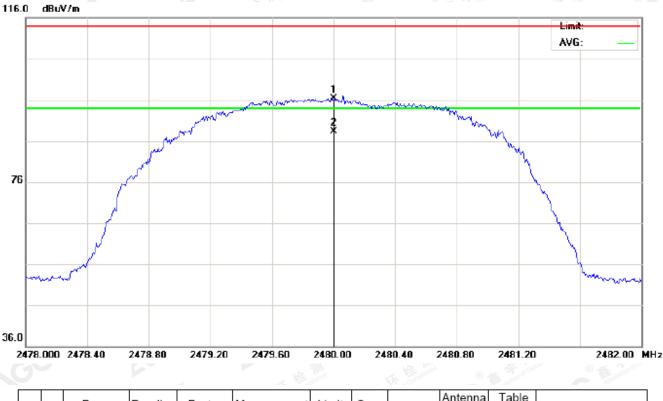
| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | • | MHz | dBu∨ | dB/m | dBu\//m | dBuV/m | dB | | cm | degree | |
| 1 | | 2480.000 | 86.34 | 10.41 | 96.75 | 114.00 | -17.25 | peak | | | |
| 2 | * | 2480.000 | 78.42 | 10.41 | 88.83 | 94.00 | -5.17 | AVG | 100 | 110 | |

RESULT: PASS

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RADIATED EMISSION TEST- (ABOVE 1GHz)-HIGH CHANNEL- VERTICAL

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | • | MHz | dBu∀ | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 2480.000 | 85.86 | 10.41 | 96.27 | 114.00 | -17.73 | peak | | | |
| 2 | * | 2480.000 | 77.85 | 10.41 | 88.26 | 94.00 | -5.74 | AVG | 100 | 336 | |

RESULT: PASS

Note: Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

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Actestation of Global Compliance

Field strength of the fundamental signal

3Mbps Result:

Peak value

| Frequency | Reading Level | Factor | Measurement | Limit | Over | Antenna | |
|-----------|------------------|--------|-------------|----------|--------|--------------|--|
| (MHz) | (dBuv) | (dB/m) | (dBuv/m) | (dBuv/m) | (dB) | Polarization | |
| 2402 | 88.00 | 10.32 | 98.32 | 114 | -15.68 | Horizontal | |
| 2402 | 87.56 | 10.32 | 97.88 | 114 | -16.12 | Vertical | |
| 2441 | 87.18 | 10.36 | 97.54 | 114 🐋 | -16.46 | Horizontal | |
| 2441 | 86.70 | 10.36 | 97.06 | 114 | -16.94 | Vertical | |
| 2480 | 86.34 | 10.41 | 96.75 | 114 | -17.25 | Horizontal | |
| 2480 | 85.86 | 10.41 | 96.27 | 114 | -17.73 | Vertical | |

Average value

| Frequency | Reading Level | Factor | Measurement | Limit | Over | Antenna |
|-----------|------------------|--------|-------------|----------|-------|--------------|
| (MHz) | (dBuv) | (dB/m) | (dBuv/m) | (dBuv/m) | (dB) | Polarization |
| 2402 | 80.00 | 10.32 | 90.32 | 94 | -3.68 | Horizontal |
| 2402 | 79.57 | 10.32 | 89.89 | 94 | -4.11 | Vertical |
| 2441 | 79.19 | 10.36 | 89.55 | 94 | -4.45 | Horizontal |
| 2441 | 78.78 | 10.36 | 89.14 | 94 | -4.86 | Vertical |
| 2480 | 78.42 | 10.41 | 88.83 | 94 | -5.17 | Horizontal |
| 2480 | 77.85 | 10.41 | 88.26 | 94 | -5.74 | Vertical |

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2Mbps Result:

Peak value

| Frequency | Reading Level | Factor | Measurement | Limit | Over | Antenna |
|-----------|------------------|--------|-------------|----------|----------|--------------|
| (MHz) | (dBuv) | (dB/m) | (dBuv/m) | (dBuv/m) | (dB) | Polarization |
| 2402 | 87.62 | 10.32 | 97.94 | 114 | -16.06 | Horizontal |
| 2402 | 87.22 | 10.32 | 97.54 | 114 | -16.46 | Vertical |
| 2441 | 86.80 | 10.36 | 97.16 | 114 | -16.84 | Horizontal |
| 2441 | 86.25 | 10.36 | 96.61 | 114 | -17.39 👝 | Vertical |
| 2480 | 85.98 | 10.41 | 96.39 | 114 | -17.61 | Horizontal |
| 2480 | 85.46 | 10.41 | 95.87 | 114 | -18.13 | Vertical |

Average value

| Frequency | Reading Level | Factor | Measurement | Limit | Over | Antenna |
|-----------|------------------|--------|-------------|----------|-------|--------------|
| (MHz) | (dBuv) | (dB/m) | (dBuv/m) | (dBuv/m) | (dB) | Polarization |
| 2402 | 79.69 | 10.32 | 90.01 | 94 | -3.99 | Horizontal |
| 2402 | 79.06 | 10.32 | 89.38 | 94 | -4.62 | Vertical |
| 2441 | 78.87 | 10.36 | 89.23 | 94 | -4.77 | Horizontal |
| 2441 | 78.28 | 10.36 | 88.64 | 94 | -5.36 | Vertical |
| 2480 | 78.07 | 10.41 | 88.48 | 94 | -5.52 | Horizontal |
| 2480 | 77.48 | 10.41 | 87.89 | 94 | -6.11 | Vertical |

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1Mbps Result:

Peak value

| Frequency | Reading Level | Factor | Measurement | Limit | Over | Antenna |
|-----------|------------------|--------|-------------|----------|----------|--------------|
| (MHz) | (dBuv) | (dB/m) | (dBuv/m) | (dBuv/m) | (dB) | Polarization |
| 2402 | 87.16 | 10.32 | 97.48 | 114 | -16.52 | Horizontal |
| 2402 | 86.89 | 10.32 | 97.21 | 114 | -16.79 | Vertical |
| 2441 | 86.47 | 10.36 | 96.83 | 114 | -17.17 | Horizontal |
| 2441 | 85.83 | 10.36 | 96.19 | 114 | -17.81 👝 | Vertical |
| 2480 | 85.56 | 10.41 | 95.97 | 114 | -18.03 | Horizontal |
| 2480 | 85.00 | 10.41 | 95.41 | 114 | -18.59 | Vertical |

Average value

| Frequency | Reading Level | Factor | Measurement | Limit | Over | Antenna |
|-----------|------------------|--------|-------------|----------|-------|--------------|
| (MHz) | (dBuv) | (dB/m) | (dBuv/m) | (dBuv/m) | (dB) | Polarization |
| 2402 | 79.24 | 10.32 | 89.56 | 94 | -4.44 | Horizontal |
| 2402 | 78.70 | 10.32 | 89.02 | 94 | -4.98 | Vertical |
| 2441 | 78.54 | 10.36 | 88.90 | 94 | -5.10 | Horizontal |
| 2441 | 77.92 | 10.36 | 88.28 | 94 | -5.72 | Vertical |
| 2480 | 77.69 | 10.41 | 88.10 | 94 | -5.90 | Horizontal |
| 2480 | 77.17 | 10.41 | 87.58 | 94 | -6.42 | Vertical |

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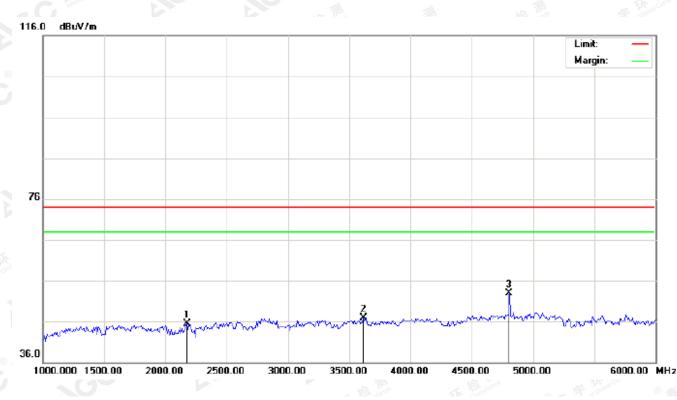
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FOR BR/EDR

(Worst modulation: 8DPSK)

For Harmonics

RADIATED EMISSION TEST- (ABOVE 1GHz)-LOW CHANNEL-HORIZONTAL



| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | • | MHz | dBu∨ | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 2175.000 | 35.50 | 10.07 | 45.57 | 74.00 | -28.43 | peak | | | |
| 2 | | 3616.667 | 34.05 | 12.83 | 46.88 | 74.00 | -27.12 | peak | | | |
| 3 | * | 4804.000 | 45.21 | 7.69 | 52.90 | 74.00 | -21.10 | peak | | | |

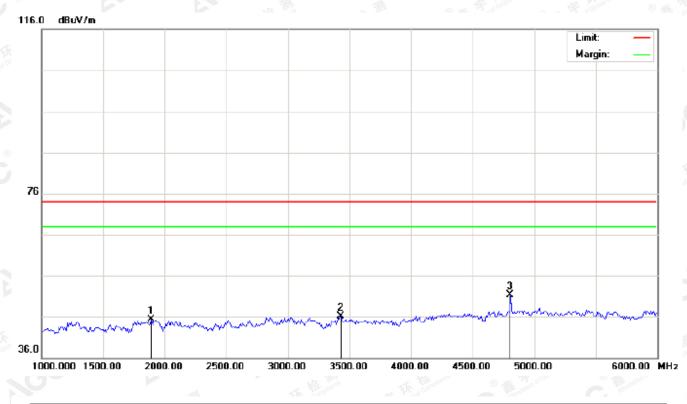
RESULT: PASS

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RADIATED EMISSION TEST- (ABOVE 1GHz)-LOW CHANNEL- VERTICAL

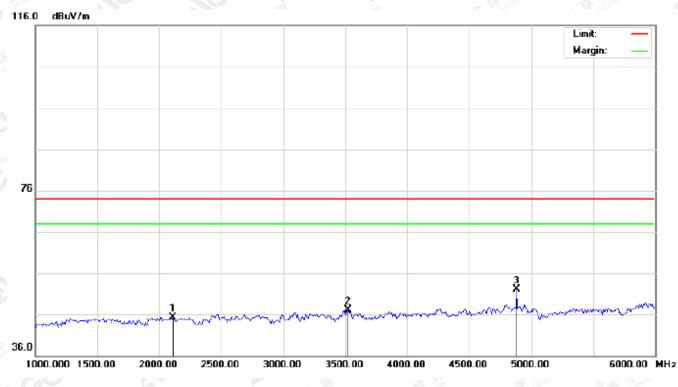
| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | - | MHz | dBu∀ | dB/m | dBuV/m | dBu∀/m | dB | | cm | degree | |
| 1 | | 1891.667 | 36.51 | 8.74 | 45.25 | 74.00 | -28.75 | peak | | | |
| 2 | | 3433.333 | 34.04 | 12.05 | 46.09 | 74.00 | -27.91 | peak | | | |
| 3 | * | 4804.000 | 43.55 | 7.69 | 51.24 | 74.00 | -22.76 | peak | | | |

RESULT: PASS

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RADIATED EMISSION TEST- (ABOVE 1GHz)-MIDDLE CHANNEL-HORIZONTAL

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|--------|---------|
| | | MHz | dBu∨ | dB/m | dBuV/m | dBuV/m | dB |] | cm | degree | |
| 1 | | 2108.333 | 35.40 | 10.00 | 45.40 | 74.00 | -28.60 | peak | | | |
| 2 | | 3525.000 | 34.86 | 12.26 | 47.12 | 74.00 | -26.88 | peak | | | |
| 3 | * | 4882.000 | 44.16 | 7.89 | 52.05 | 74.00 | -21.95 | peak | | | |

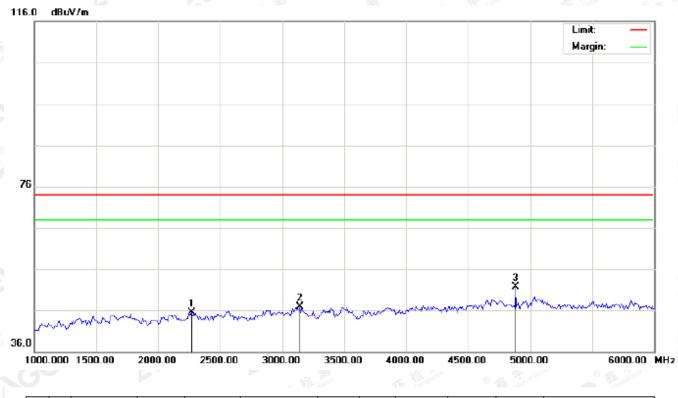
RESULT: PASS

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RADIATED EMISSION TEST- (ABOVE 1GHz)-MIDDLE CHANNEL- VERTICAL

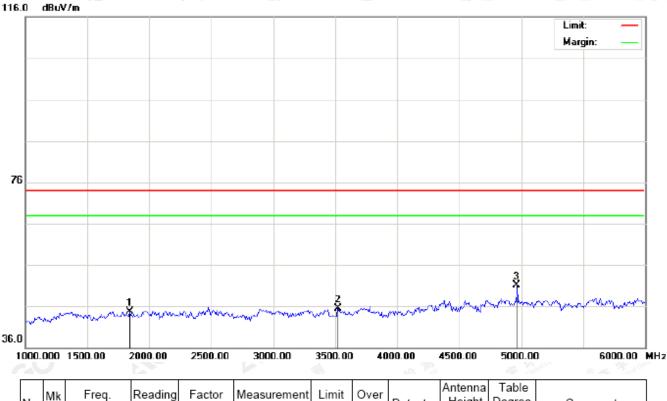
| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | - | MHz | dBu∨ | dB/m | dBu∀/m | dBuV/m | dB | | cm | degree | |
| 1 | | 2266.667 | 35.33 | 10.17 | 45.50 | 74.00 | -28.50 | peak | | | |
| 2 | | 3141.667 | 35.13 | 11.77 | 46.90 | 74.00 | -27.10 | peak | | | |
| 3 | * | 4882.000 | 43.89 | 7.89 | 51.78 | 74.00 | -22.22 | peak | | | |

RESULT: PASS

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RADIATED EMISSION TEST- (ABOVE 1GHz)-HIGH CHANNEL-HORIZONTAL

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | - | MHz | dBu∀ | dB/m | dBu\//m | dBuV/m | dB | | cm | degree | |
| 1 | | 1841.667 | 36.57 | 8.21 | 44.78 | 74.00 | -29.22 | peak | | | |
| 2 | | 3525.000 | 33.29 | 12.26 | 45.55 | 74.00 | -28.45 | peak | | | |
| 3 | * | 4960.000 | 43.10 | 8.09 | 51.19 | 74.00 | -22.81 | peak | | | |

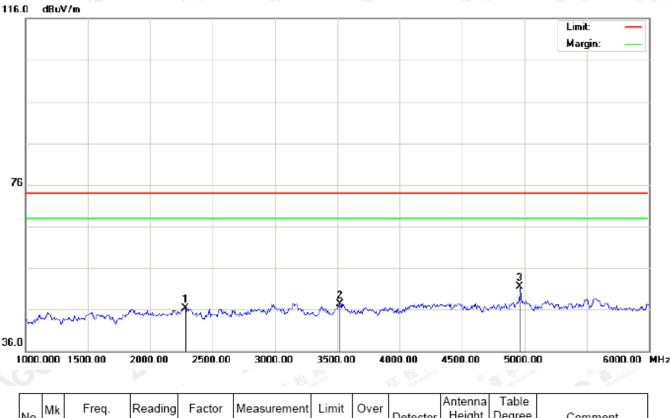
RESULT: PASS

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RADIATED EMISSION TEST- (ABOVE 1GHz)-HIGH CHANNEL- VERTICAL

| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | • | MHz | dBu∀ | dB/m | dBuV/m | dBu∨/m | dB | | cm | degree | |
| 1 | | 2283.333 | 36.05 | 10.19 | 46.24 | 74.00 | -27.76 | peak | | | |
| 2 | | 3525.000 | 35.02 | 12.26 | 47.28 | 74.00 | -26.72 | peak | | | |
| 3 | * | 4960.000 | 43.41 | 8.09 | 51.50 | 74.00 | -22.50 | peak | | | |

RESULT: PASS

Note: 6~25GHz at least have 20dB margin. No recording in the test report.

Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

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10. BAND EDGE EMISSION

10.1. MEASUREMENT PROCEDURE

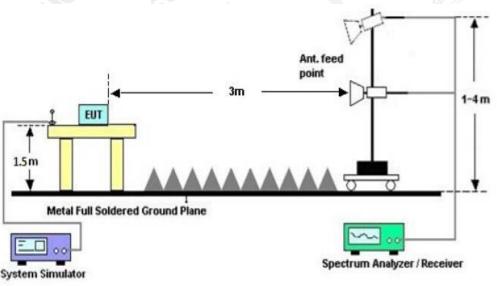
1. The EUT operates at hopping-off test mode. The lowest or highest channels are tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.

2. Max hold the trace of the setup 1, and the EUT operates at hopping-on test mode to verify the largest spurious emissions power.

3. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission.

| Start frequenc | y(MHz) | | Stop frequency(MH | z) |
|----------------|----------------|----------------|-------------------|------|
| 2200 | The The second | not C Stratter | 2405 | SC - |
| 2478 | Global C | GO | 2500 | |
| Alle | | | | 2000 |

10.2 TEST SETUP



RADIATED EMISSION TEST SETUP

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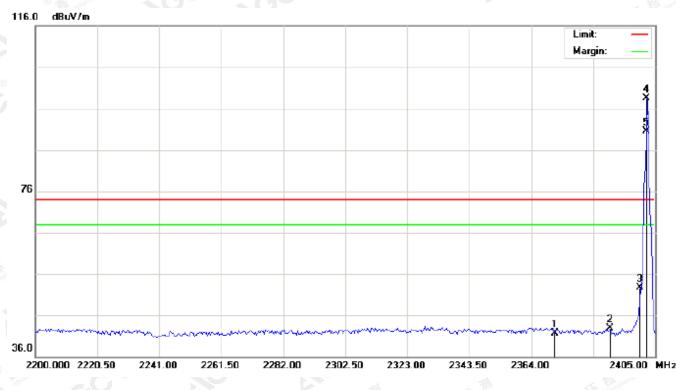


10.3 RADIATED TEST RESULT

FOR BR/EDR

(Worst modulation: 8DPSK)

TEST PLOT OF BAND EDGE FOR LOW CHANNEL-Horizontal



| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | • | MHz | dBu∀ | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 2371.858 | 31.34 | 10.29 | 41.63 | 74.00 | -32.37 | peak | | | |
| 2 | | 2390.000 | 32.50 | 10.31 | 42.81 | 74.00 | -31.19 | peak | | | |
| 3 | | 2400.000 | 42.47 | 10.32 | 52.79 | 74.00 | -21.21 | peak | | | |
| 4 | * | 2402.000 | 88.22 | 10.32 | 98.54 | 74.00 | 24.54 | peak | | | |
| 5 | Х | 2402.000 | 80.26 | 10.32 | 90.58 | 74.00 | 16.58 | AVG | 100 | 117 | |

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TEST PLOT OF BAND EDGE FOR LOW CHANNEL -Vertical

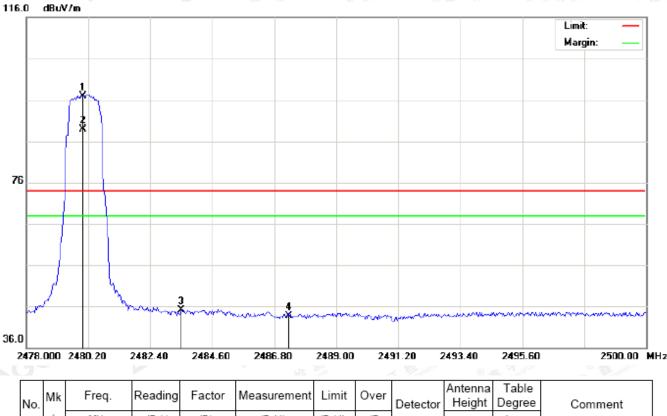
| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | - | MHz | dBu∀ | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 2375.958 | 31.23 | 10.29 | 41.52 | 74.00 | -32.48 | peak | | | |
| 2 | | 2390.000 | 31.71 | 10.31 | 42.02 | 74.00 | -31.98 | peak | | | |
| 3 | | 2400.000 | 36.06 | 10.32 | 46.38 | 74.00 | -27.62 | peak | | | |
| 4 | * | 2402.000 | 88.09 | 10.32 | 98.41 | 74.00 | 24.41 | peak | | | |
| 5 | Х | 2402.000 | 79.76 | 10.32 | 90.08 | 74.00 | 16.08 | AVG | 100 | 332 | |

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TEST PLOT OF BAND EDGE FOR HIGH CHANNEL -Horizontal

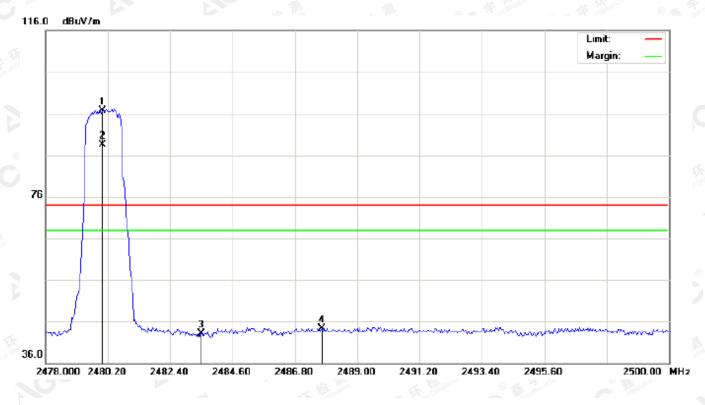
| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | - | MHz | dBu∨ | dB/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | * | 2480.000 | 86.55 | 10.41 | 96.96 | 74.00 | 22.96 | peak | | | |
| 2 | Х | 2480.000 | 78.50 | 10.41 | 88.91 | 74.00 | 14.91 | AVG | 100 | 113 | |
| 3 | | 2483.500 | 34.69 | 10.41 | 45.10 | 74.00 | -28.90 | peak | | | |
| 4 | | 2487.313 | 33.18 | 10.42 | 43.60 | 74.00 | -30.40 | peak | | | |

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TEST PLOT OF BAND EDGE FOR HIGH CHANNEL-Vertical

| No. Mk | | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|--------|-----|----------|---------|---------|-------------|-------|--------|----------|-------------------|-----------------|---------|
| - | MHz | dBu∨ | dB/m | dBu\//m | dBu∀/m | dB | | cm | degree | | |
| 1 | * | 2480.000 | 86.32 | 10.41 | 96.73 | 74.00 | 22.73 | peak | | | |
| 2 | Х | 2480.000 | 78.06 | 10.41 | 88.47 | 74.00 | 14.47 | AVG | 100 | 329 | |
| 3 | | 2483.500 | 32.76 | 10.41 | 43.17 | 74.00 | -30.83 | peak | | | |
| 4 | | 2487.753 | 33.95 | 10.42 | 44.37 | 74.00 | -29.63 | peak | | | |

RESULT: PASS

Note: Factor=Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

Hopping on mode and Hopping off mode have been tested, but only worst case reported.

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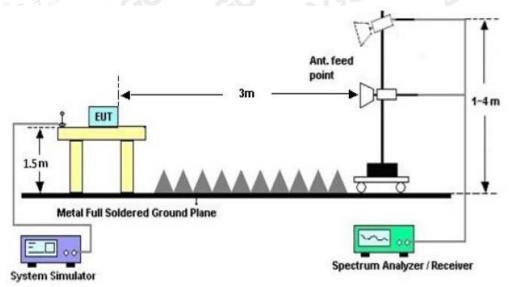
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11. 20DB BANDWIDTH

11.1. MEASUREMENT PROCEDURE

- 1. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 2. Set Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hoping channel
- RBW \geq 1% of the 20 dB bandwidth, VBW \geq 3RBW; Sweep = auto; Detector function = peak
- 3. Set SPA Trace 1 Max hold, then View.

11.2. TEST SET-UP

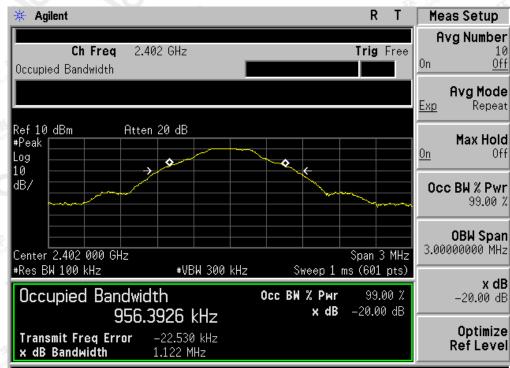


11.3. LIMITS AND MEASUREMENT RESULTS

FOR BR/EDR

| BLUET | OOTH 1MBPS LIN | ITS AND MEASU | REMENT RESULT | | |
|--------------------------|----------------|---------------|---------------|--------|--|
| | | Measure | ement Result | | |
| Applicable Limits | | Result | | | |
| | | 99%OBW (MHz) | -20dB BW(MHz) | Result | |
| The Constant of American | Low Channel | 0.956 | 1.122 | PASS | |
| N/A | Middle Channel | 0.951 | 1.125 | PASS | |
| | High Channel | 0.954 | 1.123 | PASS | |

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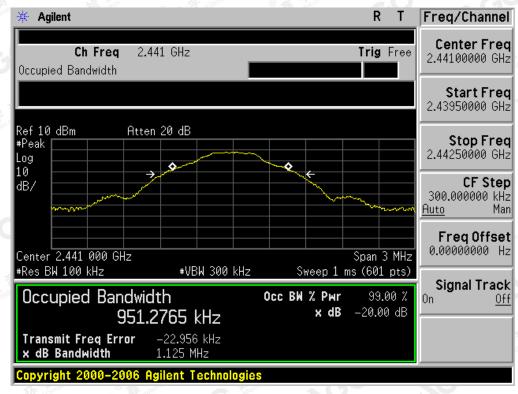


TEST PLOT OF BANDWIDTH FOR LOW CHANNEL

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TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



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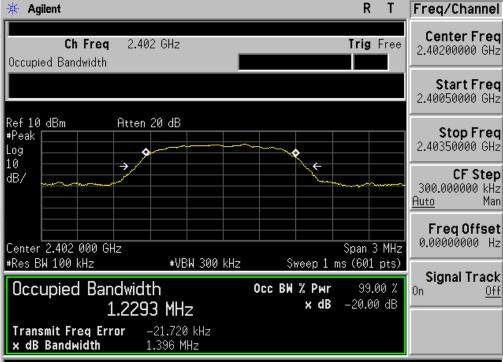
TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL

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| BLUET | OOTH 2MBPS LIN | ITS AND MEASU | REMENT RESULT | | | | | | |
|-----------------------------|--------------------|---------------|---------------|--------|--|--|--|--|--|
| | Measurement Result | | | | | | | | |
| Applicable Limits | | Desult | | | | | | | |
| | | 99%OBW (MHz) | -20dB BW(MHz) | Result | | | | | |
| The Barrieros The Barrieros | Low Channel | 1.229 | 1.396 | PASS | | | | | |
| N/A | Middle Channel | 1.228 | 1.391 | PASS | | | | | |
| | High Channel | 1.228 | 1.389 | PASS | | | | | |

TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



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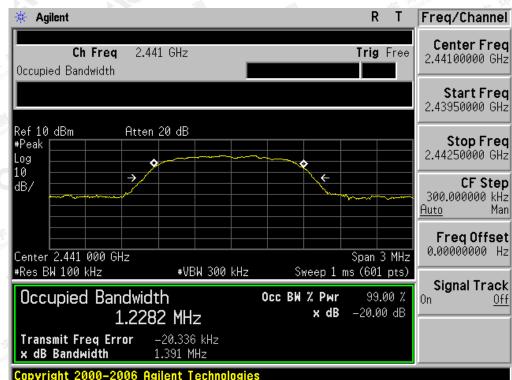
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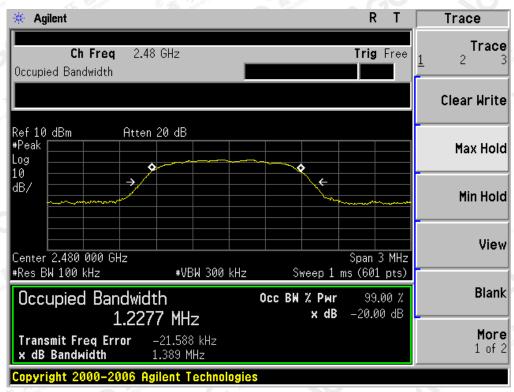
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TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



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| BLUET | OOTH 3MBPS LIN | MITS AND MEASU | REMENT RESULT | | | | | | |
|-------------------------|--------------------|----------------|---------------|------|--|--|--|--|--|
| | Measurement Result | | | | | | | | |
| Applicable Limits | | Result | | | | | | | |
| | | | | | | | | | |
| The Barrier The Barrier | Low Channel | 1.249 | 1.423 | PASS | | | | | |
| N/A | Middle Channel | 1.246 | 1.425 | PASS | | | | | |
| | High Channel | 1.244 | 1.419 | PASS | | | | | |

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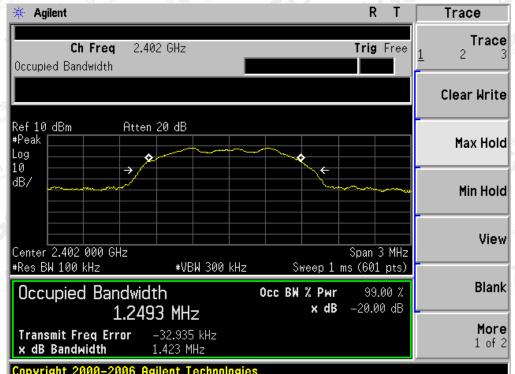
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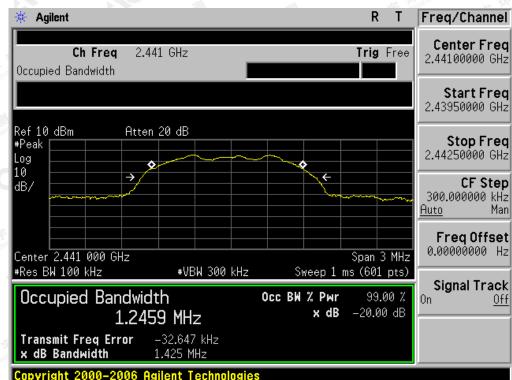
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TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



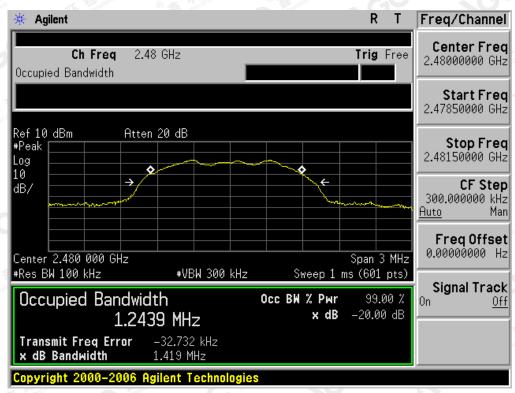
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TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



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12. FCC LINE CONDUCTED EMISSION TEST

12.1. LIMITS OF LINE CONDUCTED EMISSION TEST

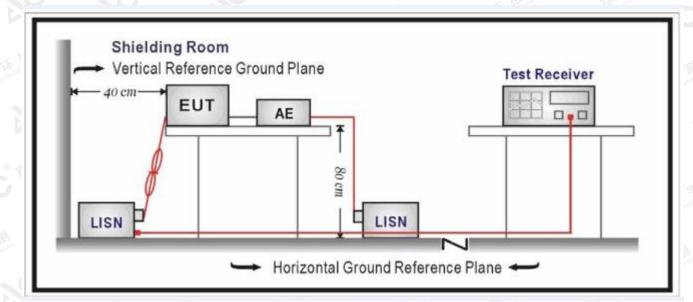
| Francisco | Maximum RF Line Voltage | | | | | | | |
|---------------|-------------------------|----------------|--|--|--|--|--|--|
| Frequency | Q.P.(dBuV) | Average(dBuV) | | | | | | |
| 150kHz~500kHz | 66-56 | 56-46 | | | | | | |
| 500kHz~5MHz | 56 | 46 | | | | | | |
| 5MHz~30MHz | 60 | 50 | | | | | | |

Note:

1. The lower limit shall apply at the transition frequency.

2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

12.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



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12.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

- The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 2. Support equipment, if needed, was placed as per ANSI C63.10.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4. All support equipments received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received DC charging voltage by adapter or PC which received 120V/60Hzpower by a LISN.
- 6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 8. During the above scans, the emissions were maximized by cable manipulation.
- 9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

12.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- 2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
- 3. The test data of the worst case condition(s) was reported on the Summary Data page.

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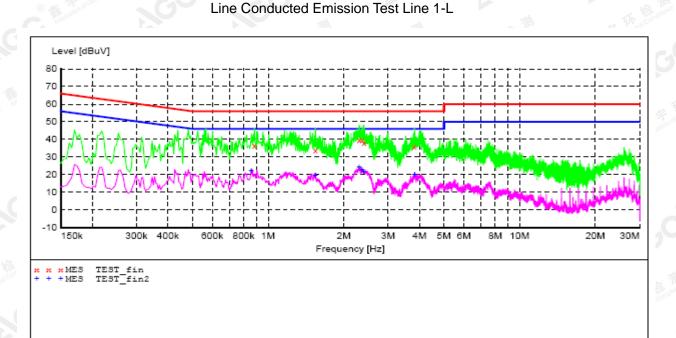
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12.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

By adapter(worst case)

FOR BR/EDR



MEASUREMENT RESULT:

| Frequency MHz | Level dBuV | Transd dB | Limit dBuV | Margin dB | Detector | Line | PE |
|--|--|--|----------------------------|--|----------------------------------|----------------------------------|--|
| 0.882000 1.542000 2.302000 2.366000 2.402000 3.818000 | 36.70 33.70 39.90 39.50 37.90 36.00 | 10.2 10.2 10.1 10.1 10.0 10.1 | 56 56 56 56 56 | 19.3 22.3 16.1 16.5 18.1 20.0 | QP QP QP QP QP QP | L1 L1 L1 L1 L1 L1 | FLO FLO FLO FLO FLO FLO |

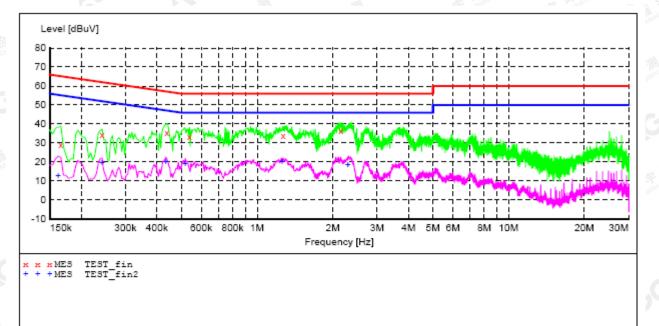
MEASUREMENT RESULT:

| Frequency MHz | Level dBuV | Transd dB | Limit dBuV | Margin dB | Detector | Line | PE |
|--|--|--|----------------------------|--------------|----------------------------------|----------------------------------|--|
| 0.858000 1.542000 2.302000 2.366000 2.402000 3.822000 | 22.40 19.60 24.30 22.90 21.90 20.20 | 10.2 10.2 10.1 10.1 10.0 10.1 | 46 46 46 46 46 | 26.4 21.7 | AV AV AV AV AV AV | L1 L1 L1 L1 L1 L1 | FLO FLO FLO FLO FLO FLO |

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Line Conducted Emission Test Line 2-N

MEASUREMENT RESULT:

| Frequency MHz | Level dBuV | Transd dB | Limit dBuV | Margin dB | Detector | Line | PE |
|--|--|--|----------------------------------|--|----------------------------------|-----------------------|--|
| 0.166000 0.242000 0.438000 0.538000 1.270000 2.154000 | 29.00 34.20 35.40 33.40 34.00 36.60 | 10.0 10.1 10.1 10.1 10.2 10.1 | 65 62 57 56 56 56 | 36.2 27.8 21.7 22.6 22.0 19.4 | QP QP QP QP QP QP | N N N N N | FLO FLO FLO FLO FLO FLO |

MEASUREMENT RESULT:

| Frequency MHz | Level dBuV | Transd dB | Limit dBuV | Margin dB | Detector | Line | PE |
|----------------------|----------------|--------------|---------------|--------------|----------|--------|------------|
| 0.162000 0.242000 | 12.70 19.50 | 10.0 10.1 | 55 52 | 42.7 32.5 | | N N | FLO FLO |
| 0.434000 | 20.30 | 10.1 | 47 | 26.9 | AV | N | FLO |
| 0.518000 | 19.20 | 10.1 | 46 | 26.8 | AV | Ν | FLO |
| 1.258000 | 20.30 | 10.2 | 46 | 25.7 | AV | Ν | FLO |
| 2.298000 | 18.50 | 10.1 | 46 | 27.5 | AV | N | FLO |

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APPENDIX A: PHOTOGRAPHS OF TEST SETUP FCC LINE CONDUCTED EMISSION TEST SETUP



FCC RADIATED EMISSION TEST SETUP

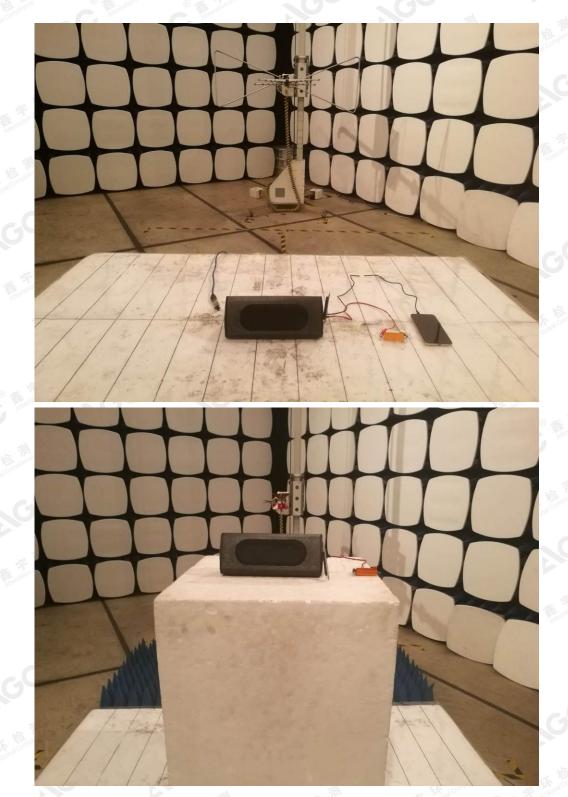


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APPENDIX B: PHOTOGRAPHS OF EUT TOP VIEW OF EUT

BOTTOM VIEW OF EUT



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FRONT VIEW OF EUT



BACK VIEW OF EUT



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LEFT VIEW OF EUT



RIGHT VIEW OF EUT



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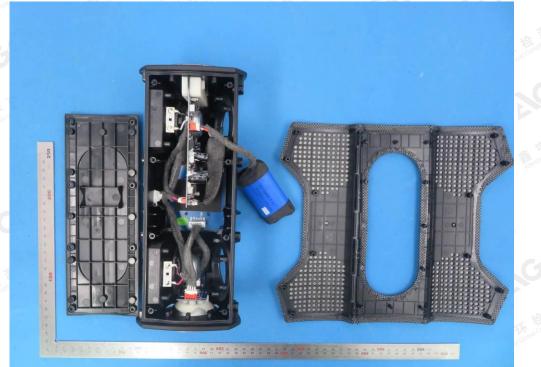


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VIEW OF EUT (PORT)

OPEN VIEW OF EUT



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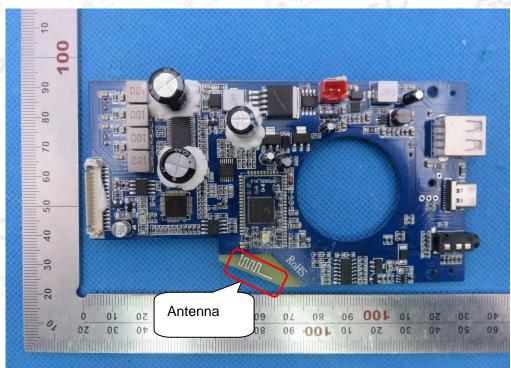
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VIEW OF BATTERY

WLY-18650-7.4U 180621-2500mAh

18.5Wh

INTERNAL VIEW OF EUT-1

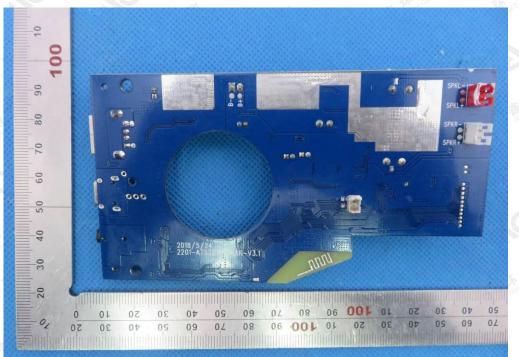


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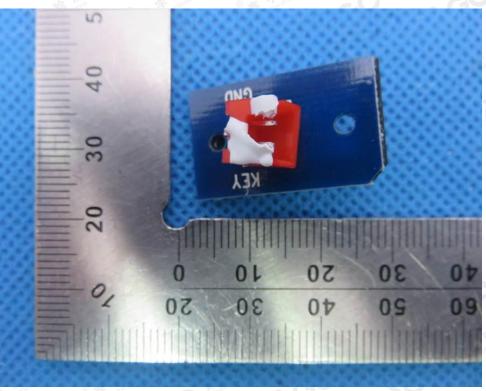


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INTERNAL VIEW OF EUT-2

INTERNAL VIEW OF EUT-3

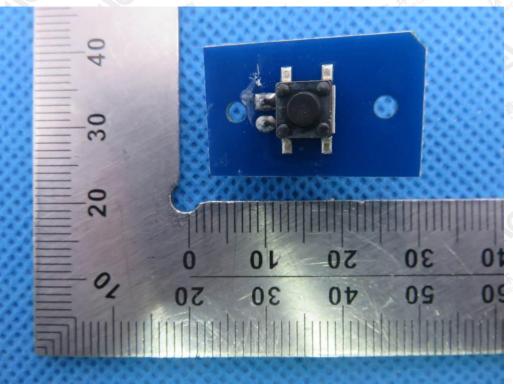


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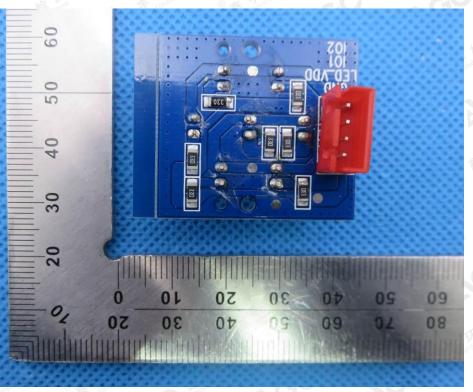


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INTERNAL VIEW OF EUT-4



INTERNAL VIEW OF EUT-5

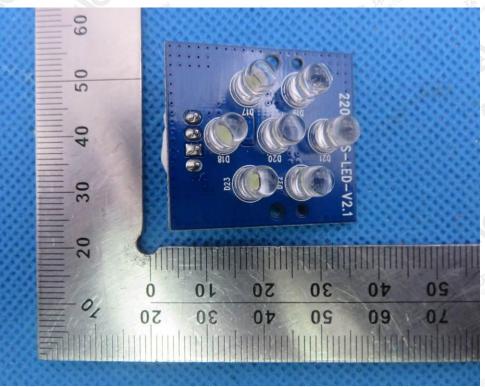


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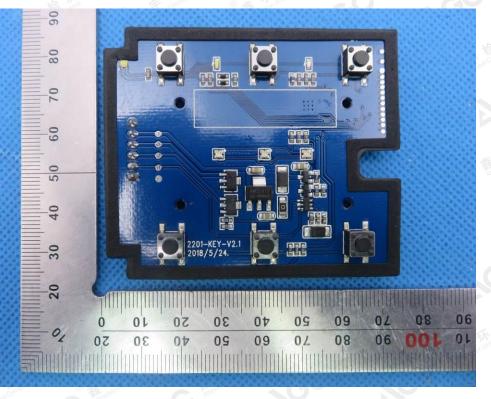


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INTERNAL VIEW OF EUT-6



INTERNAL VIEW OF EUT-7

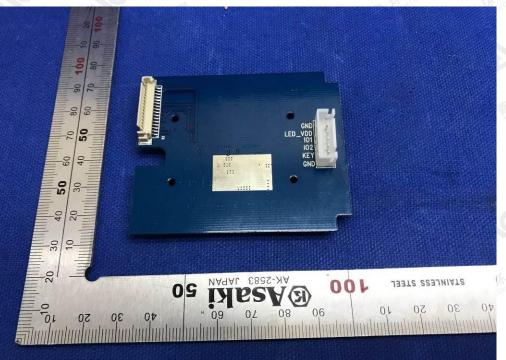


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INTERNAL VIEW OF EUT-8



INTERNAL VIEW OF EUT-9



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VIEW OF ADAPTER(AE)



The adapter was supplied by AGC ----END OF REPORT----

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