FCC Test Report

Report No.: AGC01343151101FE03

FCC ID : 2AGNJNOVA35

APPLICATION PURPOSE : Original Equipment

PRODUCT DESIGNATION: mobile phone

BRAND NAME : blood

MODEL NAME : Nova 3.5

CLIENT: TECHNO GENESIS S.A.S

DATE OF ISSUE : Nov.23, 2015

STANDARD(S) FCC Part 15 Rules

TEST PROCEDURE(S) DA 00-705

REPORT VERSION: V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

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Report Revise Record

| Report Version | Revise Time | Issued Date | Valid Version | Notes |
|----------------|-------------|--------------|---------------|-----------------|
| V1.0 | / | Nov.23, 2015 | Valid | Original Report |

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1. VERIFICATION OF CONFORMITY

| Applicant | TECHNO GENESIS S.A.S | | |
|--------------------------|--|--|--|
| Address | CARRERA 51B # 82 - 254 PISO 5 OFICINA 72 CC. Bahia, Barranquilla-Colombia | | |
| Manufacturer | Dika International Group Limited | | |
| Address | RM 19C LOCKHART CTR 301-307 LOCKHART WAN CHAI HONG KONG | | |
| Product Designation | mobile phone | | |
| Brand Name | blood | | |
| Test Model | Nova 3.5 | | |
| Date of test | Nov.17, 2015 to Nov.20, 2015 | | |
| Deviation | None | | |
| Condition of Test Sample | Normal | | |
| Report Template | AGCRT-US-BR/RF | | |

We hereby certify that:

The above equipment was tested by Dongguan Precise Testing Service Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2009) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC Rules Part 15.247.

| Tested By | Matt Zhang | |
|-------------|---|--------------|
| | Matt Zhang(Zhang Liang) | Nov.23, 2015 |
| Reviewed By | Bore xie | |
| | Bart Xie(Xie Xiaobin) | Nov.23, 2015 |
| Approved By | Solya Hong | |
| | Solger Zhang(Zhang Hongyi) Authorized Officer | Nov.23, 2015 |

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2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

The EUT is "mobile phone" designed as a "Communication Device". It is designed by way of utilizing the FHSS technology to achieve the system operation.

A major technical description of EUT is described as following

| -, | | | | |
|---|---|--|--|--|
| Operation Frequency 2.402 GHz to 2.480GHz | | | | |
| RF Output Power | 2.4dBm(Max) | | | |
| Bluetooth Version | V 3.0 | | | |
| Modulation | GFSK, π /4-DQPSK, 8DPSK | | | |
| Number of channels | 79 | | | |
| Hardware Version | HCT-Z85MB_B4 | | | |
| Software Version | z85-py-blood-s351-hvga-gg-nand-32g4g-kk_Blood_Nova3.5_V.10 _2015_11_21_release | | | |
| Antenna Designation | Integrated Antenna | | | |
| Antenna Gain | 0.8dBi | | | |
| Power Supply | DC3.7V by Battery | | | |

2.2. TABLE OF CARRIER FREQUENCYS

| Frequency Band | Channel Number | Frequency |
|----------------|----------------|-----------|
| | 0 | 2402MHZ |
| | 1 | 2403MHZ |
| | : | : |
| | 38 | 2440 MHZ |
| 2400~2483.5MHZ | 39 | 2441 MHZ |
| | 40 | 2442 MHZ |
| | : | : |
| | 77 | 2479 MHZ |
| | 78 | 2480 MHZ |

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2.3. RECEIVER INPUT BANDWIDTH

The input bandwidth of the receiver is 1.3MHZ,In every connection one Bluetooth device is the master and the other one is slave. The master determines the hopping sequence. The slave follows this sequence. Both devices shift between RX and TX time slot according to the clock of the master. Additionally the type of connection(e.g. single of multislot packet) is set up at the beginning of the connection. The master adapts its hopping frequency and its TX/RX timing according to the packet type of the connection. Also the slave of the connection will use these settings.

Repeating of a packet has no influence on the hopping sequence. The hopping sequence generated by the master of the connection will be followed in any case. That means, a repeated packet will not be send on the same frequency, it is send on the next frequency of the hopping sequence.

2.4. EXAMPLE OF A HOPPING SEQUENCY IN DATA MODE

Example of a 79 hopping sequence in data mode: 40,21,44,23,42,53,46,55,48,33,52,35,50,65,54,67 56,37,60,39,58,69,62,71,64,25,68,27,66,57,70,59 72,29,76,31,74,61,78,63,01,41,05,43,03,73,07,75 09,45,13,47,11,77,15,00,64,49,66,53,68,02,70,06 01, 51, 03, 55, 05, 04

2.5. EQUALLY AVERAGE USE OF FREQUENCIES AND BEHAVIOUR

The generation of the hopping sequence in connection mode depends essentially on two input values:

- 1. LAP/UAP of the master of the connection.
- 2. Internal master clock

The LAP(lower address part) are the 24 LSB's of the 48 BD_ADDRESS. The BD_ADDRESS is an unambiguous number of every Bluetooth unit. The UAP(upper address part) are the 24MSB's of the 48BD ADDRESS

The internal clock of a Bluetooth unit is derived from a free running clock which is never adjusted and is never turned off. For ehavior zation with other units only offset are used. It has no relation to the time of the day. Its resolution is at least half the RX/TX slot length of 312.5us. The clock has a cycle of about one day(23h30). In most case it is implemented as 28 bit counter. For the deriving of the hopping sequence the entire. LAP(24 bits), 4LSB's (4bits) (Input 1) and the 27MSB's of the clock (Input 2) are used. With this input values different mathematical procedures (permutations, additions, XOR-operations) are performed to generate te Sequence. This will be done at the beginning of every new transmission.

Regarding short transmissions the Bluetooth system has the following ehavior:

The first connection between the two devices is established, a hopping sequence was generated. For Transmitting the wanted data the complete hopping sequence was not used. The connection ended. The second connection will be established. A new hopping sequence is generated. Due to the fact the Bluetooth clock has a different value, because the period between the two transmission is longer(and it Cannot be shorter) than the minimum resolution of the clock(312.5us). The hopping sequence will always Differ from the first one.

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2.6. RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: 2AGNJNOVA35** filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

2.7. TEST METHODOLOGY

Both conducted and radiated testing was performed according to the procedures in FCC DA 00-705. Radiated testing was performed at an antenna to EUT distance 3 meters.

2.8. SPECIAL ACCESSORIES

Refer to section 5.2.

2.9. EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

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3. MEASUREMENT UNCERTAINTY

Conducted measurement: +/- 2.75dB Radiated measurement: +/- 3.2dB

4. DESCRIPTION OF TEST MODES

| TEST MODE DESCRIPTION | | |
|---------------------------|--|--|
| Low channel GFSK | | |
| Middle channel GFSK | | |
| High channel GFSK | | |
| Low channel π /4-DQPSK | | |
| Middle channel π /4-DQPSK | | |
| High channel π /4-DQPSK | | |
| Low channel 8DPSK | | |
| Middle channel 8DPSK | | |
| High channel 8DPSK | | |
| Normal Hopping | | |
| | | |

Note:

^{1.} All the test modes can be supply by Built-in Li-ion battery, only the result of the worst case was recorded in the report, if no other cases.

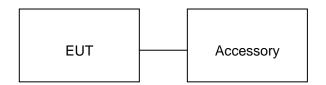
^{2.} For Radiated Emission, 3axis were chosen for testing for each applicable mode.

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5. SYSTEM TEST CONFIGURATION

5.1. CONFIGURATION OF EUT SYSTEM

Configuration:



5.2. EQUIPMENT USED IN EUT SYSTEM

| Item | Equipment | Model No. | ID or Specification | Note |
|------|--------------|-----------|---------------------|-----------|
| 1 | Mobile Phone | Nova 3.5 | FCC ID: 2AGNJNOVA35 | EUT |
| 2 | Adapter | Nova 3.5 | DC5V, 700mA | Accessory |
| 3 | Battery | N/A | DC3.7V/1350mAh | Accessory |
| 4 | Earphone | N/A | N/A | Accessory |
| 5 | USB Cable | N/A | N/A | Accessory |

5.3. SUMMARY OF TEST RESULTS

| FCC RULES | DESCRIPTION OF TEST | RESULT |
|-----------|--------------------------------|-----------|
| §15.247 | Peak Output Power | Compliant |
| §15.247 | 20 dB Bandwidth | Compliant |
| §15.247 | Spurious Emission | Compliant |
| §15.209 | Radiated Emission | Compliant |
| §15.247 | Band Edges | Compliant |
| §15.207 | Conduction Emission | Compliant |
| §15.247 | Number of Hopping Frequency | Compliant |
| §15.247 | Time of Occupancy | Compliant |
| §15.247 | Frequency Separation Compliant | |

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6. TEST FACILITY

| Site Dongguan Precise Testing Service Co., Ltd. | |
|---|--|
| Location Building D,Baoding Technology Park,Guangming Road2,Dongcheng District Dongguan, Guangdong, China, | |
| FCC Registration No. | 371540 |
| Description | The test site is constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2009. |

ALL TEST EQUIPMENT LIST

FOR RADIATED EMISSION TEST (BELOW 1GHZ)

| , | | | | | | | |
|--|-----------------|--------------|------------------|---------------------|--------------------|--|--|
| Radiated Emission Test Site | | | | | | | |
| Name of Equipment | Manufacturer | Model Number | Serial Number | Last Calibration | Due Calibration | | |
| EMI Test Receiver | Rohde & Schwarz | ESCI | 101417 | July 4, 2015 | July 3, 2016 | | |
| Trilog Broadband Antenna (25M-1GHz) | SCHWARZBECK | VULB9160 | 9160-3355 | July 4, 2015 | July 3, 2016 | | |
| Signal Amplifier | SCHWARZBECK | BBV 9475 | 9745-0013 | July 4, 2015 | July 3, 2016 | | |
| RF Cable | SCHWARZBECK | AK9515E | 96221 | July 4, 2015 | July 3, 2016 | | |
| 3m Anechoic Chamber | CHENGYU | 966 | PTS-001 | June 6, 2015 | June 5, 2016 | | |
| MULTI-DEVICE Positioning Controller | Max-Full | MF-7802 | MF780208339 | N/A | N/A | | |
| Active loop antenna (9K-30MHz) | Schwarzbeck | FMZB1519 | 1519-038 | June 6, 2015 | June 5, 2016 | | |
| Spectrum analyzer | Agilent | E4407B | MY46185649 | June 6, 2015 | June 5, 2016 | | |
| Power Probe | R&S | NRP-Z23 | 100323 | July 25,2015 | July 24,2016 | | |
| RF attenuator | N/A | RFA20db | 68 | N/A | N/A | | |

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FOR RADIATED EMISSION TEST (1GHZ ABOVE)

| Radiated Emission Test Site | | | | | |
|--|-----------------|--------------|------------------|---------------------|--------------------|
| Name of Equipment | Manufacturer | Model Number | Serial Number | Last Calibration | Due Calibration |
| EMI Test Receiver | Rohde & Schwarz | ESCI | 101417 | July 4, 2015 | July 3, 2016 |
| Horn Antenna (1G-18GHz) | SCHWARZBECK | BBHA9120D | 9120D-1246 | July 11, 2015 | July 10, 2016 |
| Spectrum Analyzer | Agilent | E4411B | MY4511453 | July 4, 2015 | July 3, 2016 |
| Signal Amplifier | SCHWARZBECK | BBV 9718 | 9718-269 | July 7, 2015 | July 6, 2016 |
| RF Cable | SCHWARZBECK | AK9515H | 96220 | July 8, 2015 | July 7, 2016 |
| 3m Anechoic Chamber | CHENGYU | 966 | PTS-001 | June 6, 2015 | June 5, 2016 |
| MULTI-DEVICE Positioning Controller | Max-Full | MF-7802 | MF780208339 | N/A | N/A |
| Horn Ant (18G-40GHz) | Schwarzbeck | BBHA 9170 | 9170-181 | June 6, 2015 | June 5, 2016 |
| Power Probe | R&S | NRP-Z23 | 100323 | July 25,2015 | July 24,2016 |
| RF attenuator | N/A | RFA20db | 68 | N/A | N/A |

| Conducted Emission Test Site | | | | | |
|-----------------------------------|-----------------|--------------|---------------|------------------|--------------------|
| Name of Equipment | Manufacturer | Model Number | Serial Number | Last Calibration | Due Calibration |
| EMI Test Receiver | Rohde & Schwarz | ESCI | 101417 | July 4, 2015 | July 3, 2016 |
| Artificial Mains Network | Narda | L2-16B | 000WX31025 | July 8, 2015 | July 7, 2016 |
| Artificial Mains Network (AUX) | Narda | L2-16B | 000WX31026 | July 8, 2015 | July 7, 2016 |
| RF Cable | SCHWARZBECK | AK9515E | 96222 | July 4, 2015 | July 3, 2016 |
| Shielded Room | CHENGYU | 843 | PTS-002 | June 6,2015 | June 5,2016 |

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7. PEAK OUTPUT POWER

7.1. MEASUREMENT PROCEDURE

For peak power test:

- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2. Set the EUT Work on the top, middle and the bottom operation frequency individually.
- 3. RBW > the 20 dB bandwidth of the emission being measured, VBW ≥ RBW.
- 4. Record the maximum power from the Spectrum Analyzer.

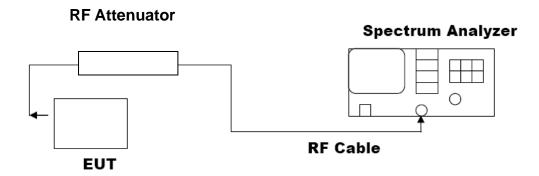
For average power test:

- 1. Connect EUT RF output port to power probe through an RF attenuator.
- 2. Connect the power probe to the PC.
- 3. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 4. Record the maximum power from the software.
- 5. The maximum peak power shall be less 125mW (21dBm).

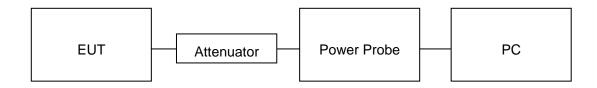
Note: The EUT was tested according to DA000705 for compliance to FCC 47CFR 15.247 requirements.

7.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

PEAK POWER TEST SETUP



AVERAGE POWER SETUP



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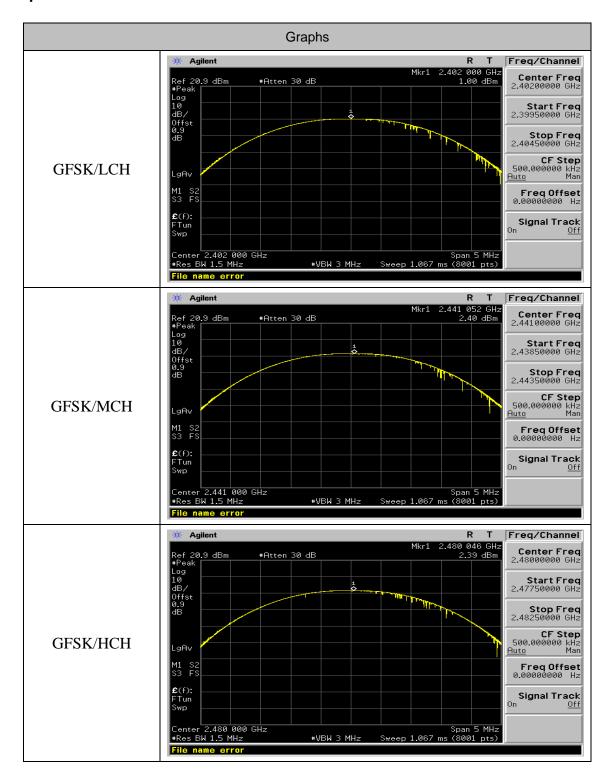
7.3. LIMITS AND MEASUREMENT RESULT

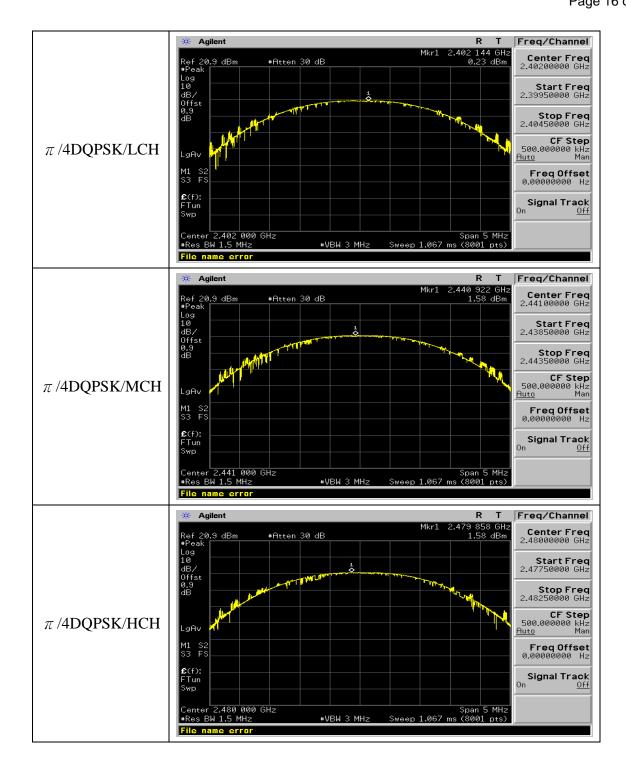
| PEAK OUTPUT POWER MEASUREMENT RESULT FOR GFSK MOUDULATION | | | | |
|--|-------|------|----|------|
| Frequency Average Power Peak Power Applicable Limits (GHz) (dBm) (dBm) Pass or F | | | | |
| 2.402 | -1.01 | 1 | 21 | Pass |
| 2.441 | 0.39 | 2.4 | 21 | Pass |
| 2.480 | 0.38 | 2.39 | 21 | Pass |

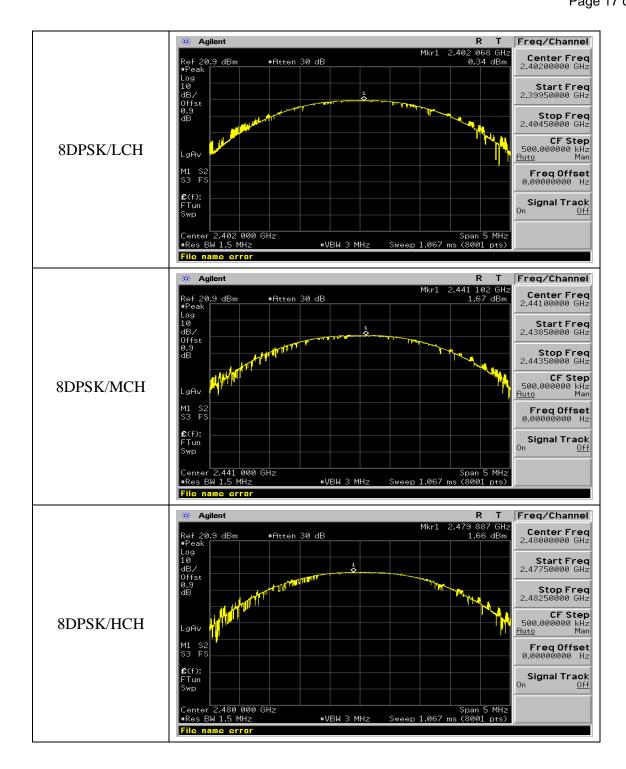
| PEAK OUTPUT POWER MEASUREMENT RESULT FOR II /4-DQPSK MODULATION | | | | |
|---|---------------------|---------------------|-------------------------|--------------|
| Frequency (GHz) | Average Power (dBm) | Peak Power (dBm) | Applicable Limits (dBm) | Pass or Fail |
| 2.402 | -1.78 | 0.23 | 21 | Pass |
| 2.441 | -0.43 | 1.58 | 21 | Pass |
| 2.480 | -0.43 | 1.58 | 21 | Pass |

| PEAK OUTPUT POWER MEASUREMENT RESULT | | | | |
|--------------------------------------|---------------------|---------------------|-------------------------|--------------|
| | FOR 8 | 3-DPSK MODULATION | N . | |
| Frequency (GHz) | Average Power (dBm) | Peak Power (dBm) | Applicable Limits (dBm) | Pass or Fail |
| 2.402 | -1.67 | 0.34 | 21 | Pass |
| 2.441 | -0.34 | 1.67 | 21 | Pass |
| 2.480 | -0.35 | 1.66 | 21 | Pass |

Test Graph







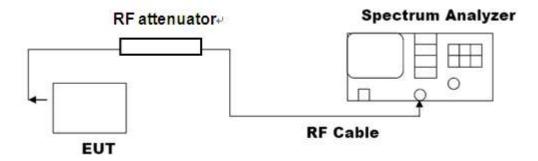
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8. 20DB BANDWIDTH

8.1. MEASUREMENT PROCEDURE

- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2, Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 3. 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 RBW; Sweep = auto; Detector function = peak
- 4. Set SPA Trace 1 Max hold, then View.

8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

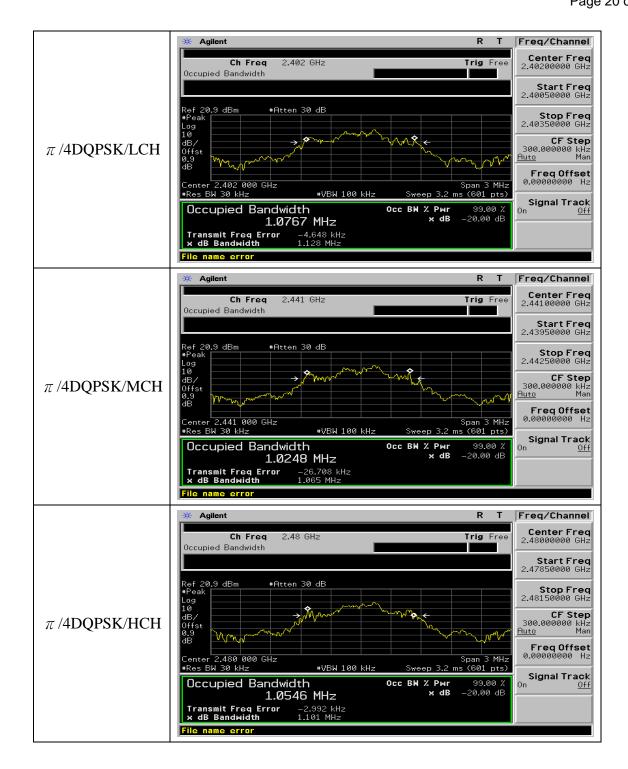


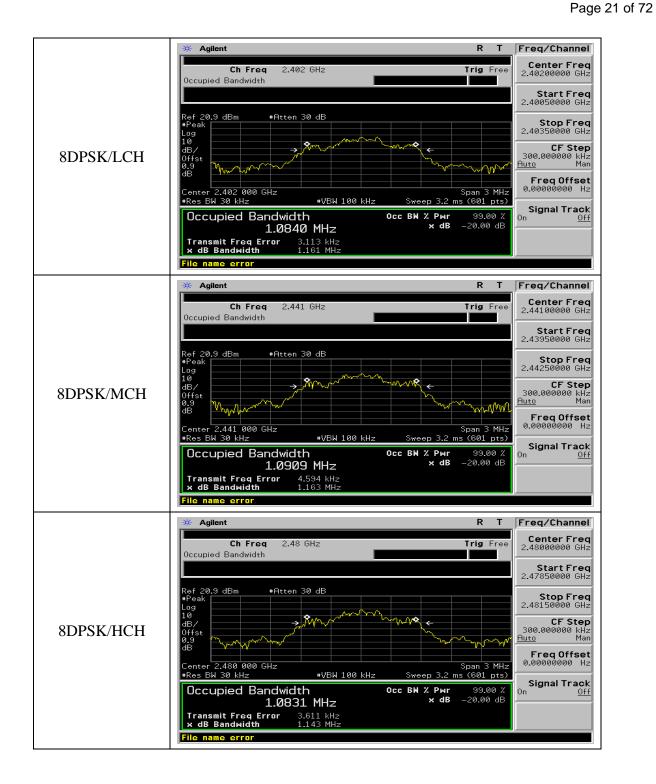
8.3. LIMITS AND MEASUREMENT RESULTS

| Mode | Channel. | EBW [MHz] | OBW [MHz] | Verdict |
|----------|----------|-----------|-----------|---------|
| GFSK | LCH | 0.7805 | 0.8152 | PASS |
| GFSK | MCH | 0.8209 | 0.7930 | PASS |
| GFSK | HCH | 0.8358 | 0.8006 | PASS |
| π/4DQPSK | LCH | 1.1278 | 1.0767 | PASS |
| π/4DQPSK | MCH | 1.0655 | 1.0248 | PASS |
| π/4DQPSK | HCH | 1.1007 | 1.0546 | PASS |
| 8DPSK | LCH | 1.1607 | 1.0840 | PASS |
| 8DPSK | MCH | 1.1628 | 1.0909 | PASS |
| 8DPSK | HCH | 1.1429 | 1.0831 | PASS |

Test Graph







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9. CONDUCTED SPURIOUS EMISSION

9.1. MEASUREMENT PROCEDURE

- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2. Set the EUT Work on the top, the Middle and the bottom operation frequency individually.
- 3. Set the Span = wide enough to capture the peak level of the in-band emission and all spurious emissions from the lowest frequency generated in the EUT up through the 10th harmonic.
 - RBW = 100 kHz; VBW ≥ RBW; Sweep = auto; Detector function = peak.
- 4. Set SPA Trace 1 Max hold, then View.

Note: The EUT was tested according to DA000705 for compliance to FCC 47CFR 15.247 requirements. Owing to satisfy the requirements of the number of measurement points, we set the RBW=1MHz, VBW > RBW, scan up through 10th harmonic, and consider the tested results as the worst case, if the tested results conform to the requirement, we can deem that the real tested results(set the RBW=100KHz, VBW > RBW) are conform to the requirement.

9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The same as described in section 8.2

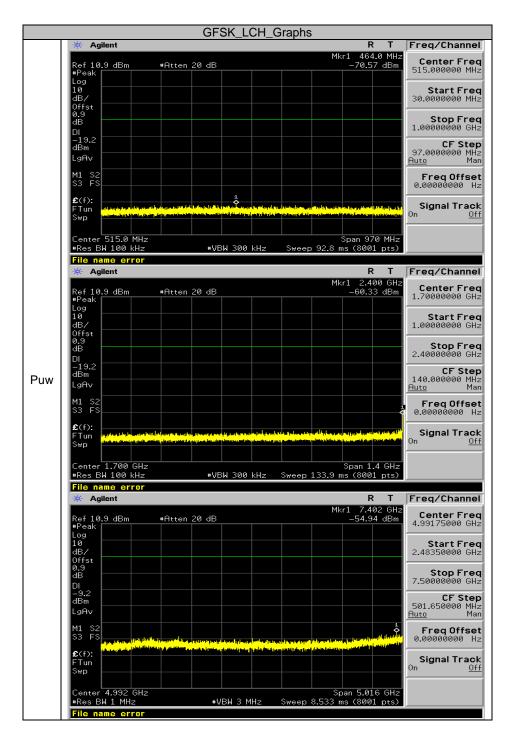
9.3. MEASUREMENT EQUIPMENT USED

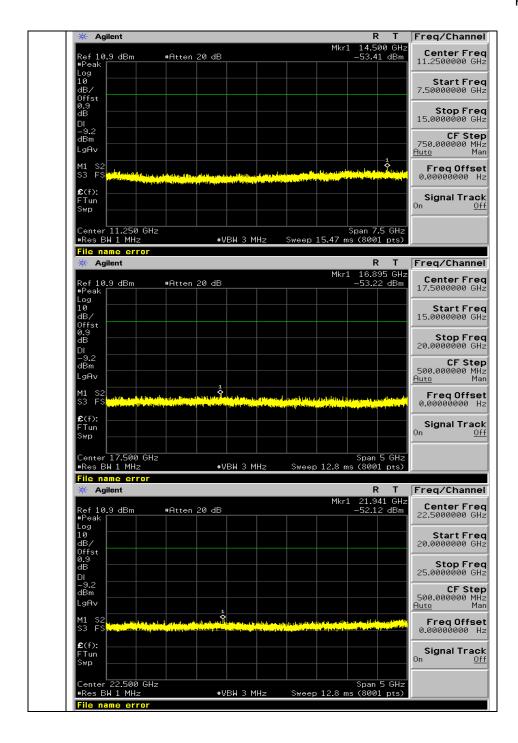
The same as described in section 6

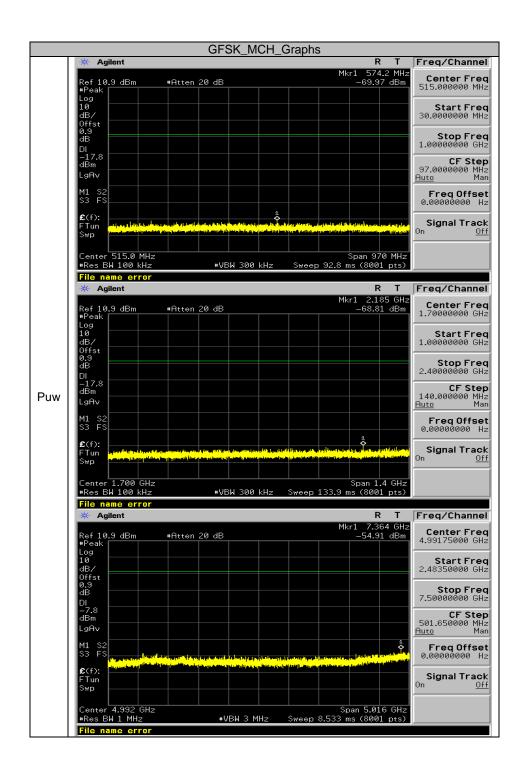
9.4. LIMITS AND MEASUREMENT RESULT

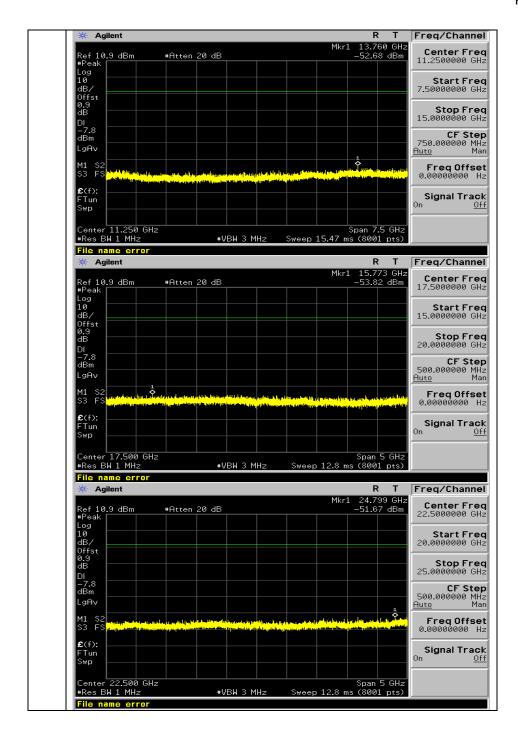
| LIMITS AND MEASUREMENT RESULT | | | | |
|--|--------------------------------|----------|--|--|
| A martin a la la la finalita | Measurement Result | | | |
| Applicable Limits | Test Data | Criteria | | |
| In any 100 KHz Bandwidth Outside the | At least -20dBc than the limit | | | |
| frequency band in which the spread spectrum | Specified on the BOTTOM | PASS | | |
| intentional radiator is operating, the radio frequency | Channel | | | |
| power that is produce by the intentional radiator | | | | |
| shall be at least 20 dB below that in 100KHz | | | | |
| bandwidth within the band that contains the highest | | | | |
| level of the desired power. | At least -20dBc than the limit | DACC | | |
| In addition, radiation emissions which fall in the | Specified on the TOP Channel | PASS | | |
| restricted bands, as defined in §15.205(a), must also | | | | |
| comply with the radiated emission limits specified | | | | |
| in§15.209(a)) | | | | |

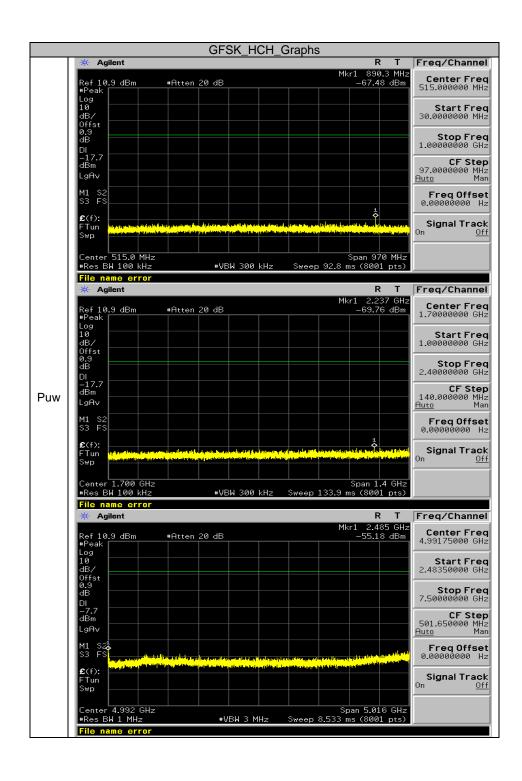
Test Graph

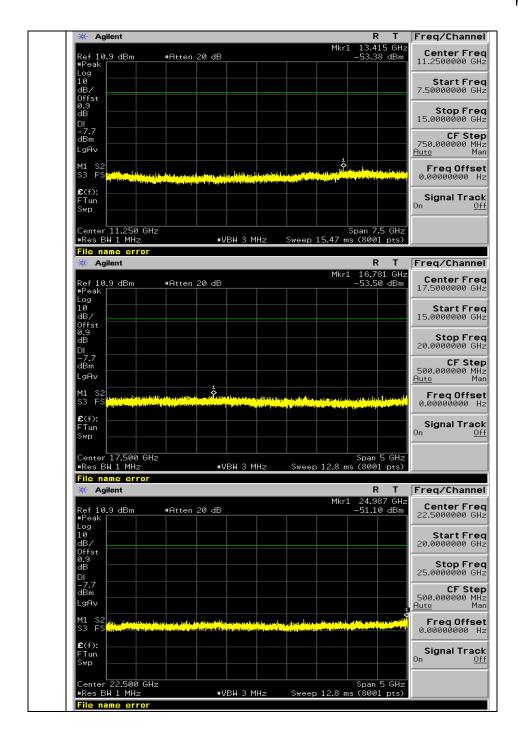


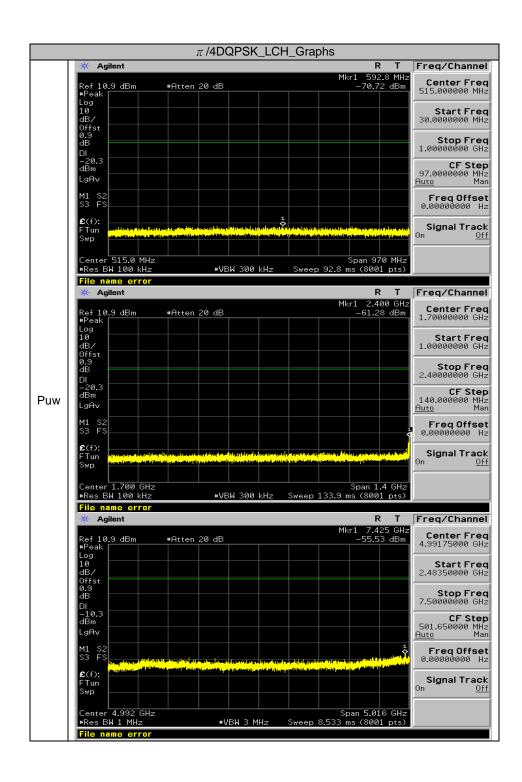


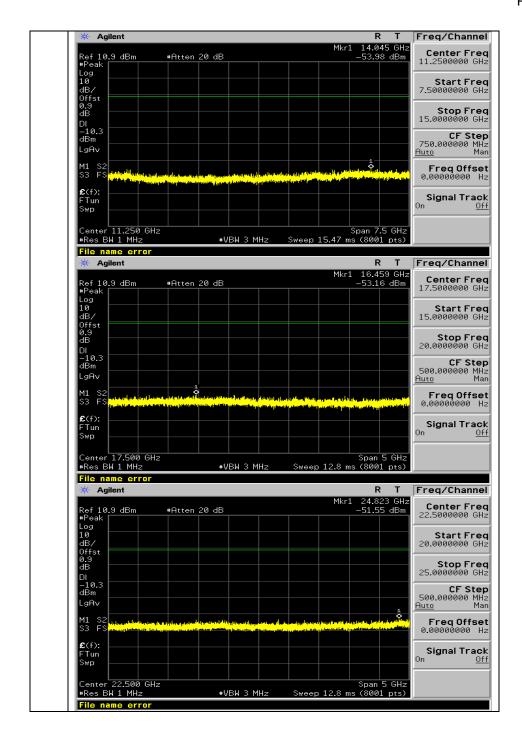


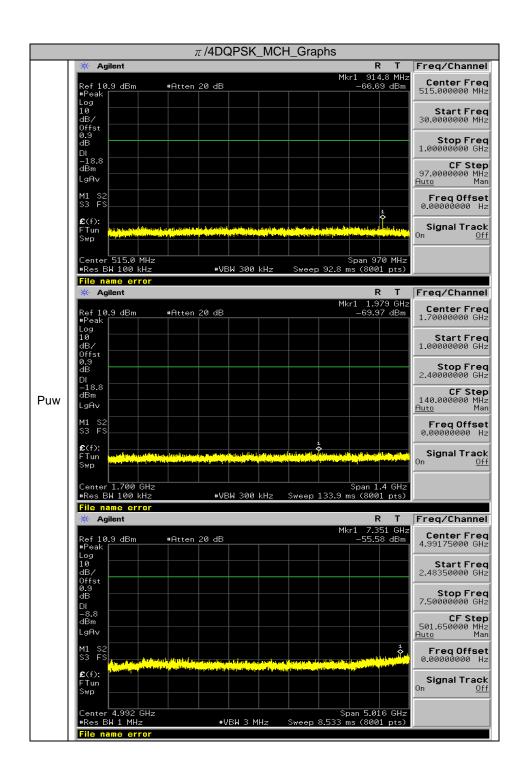


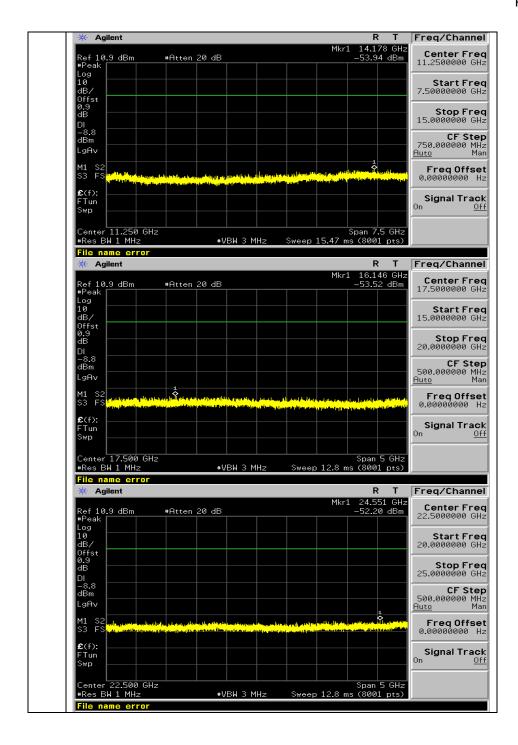


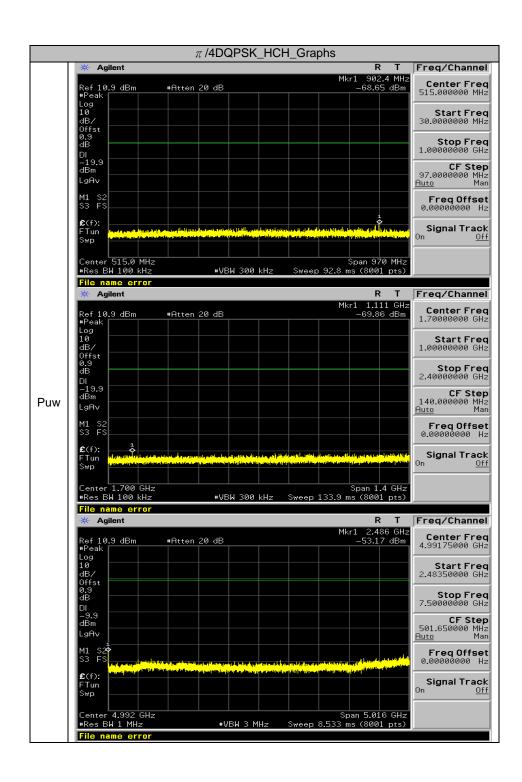


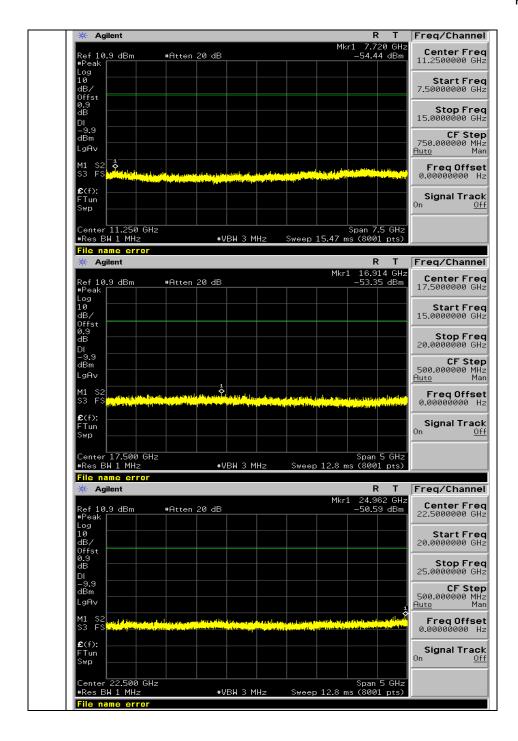


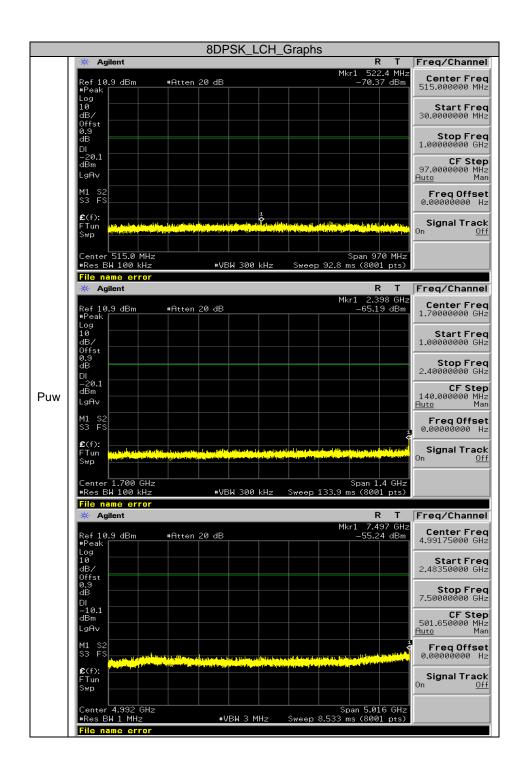


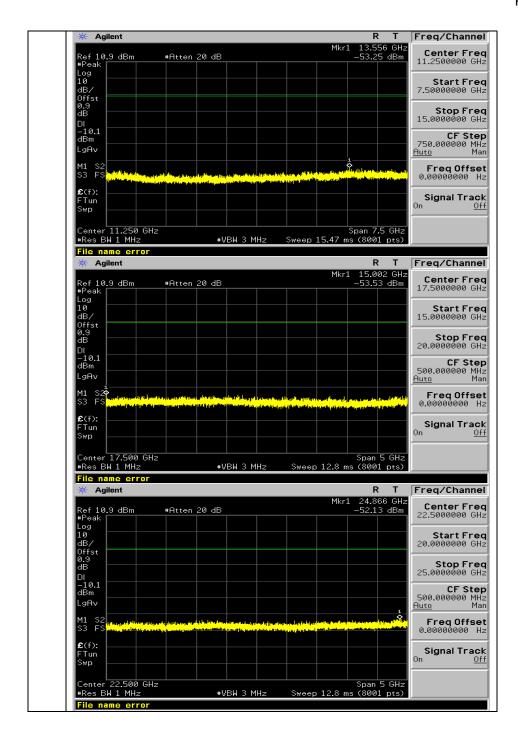


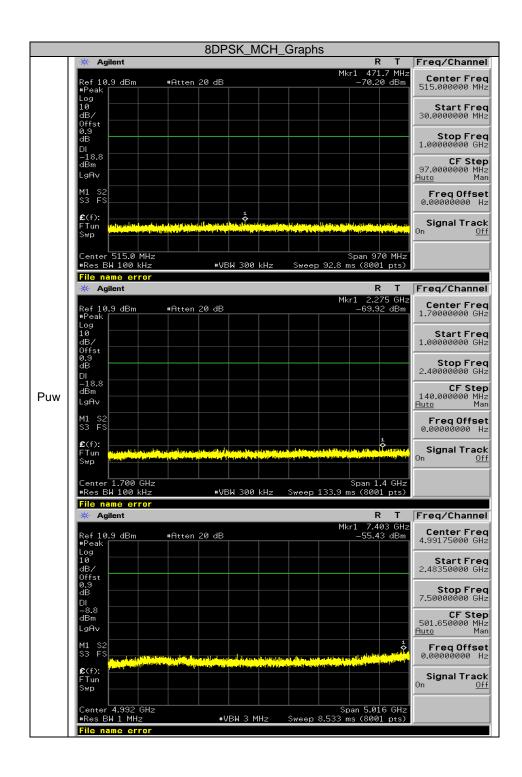


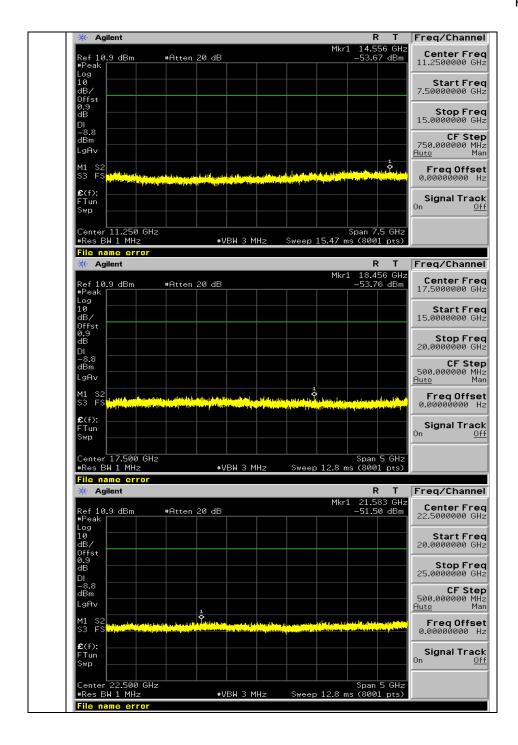


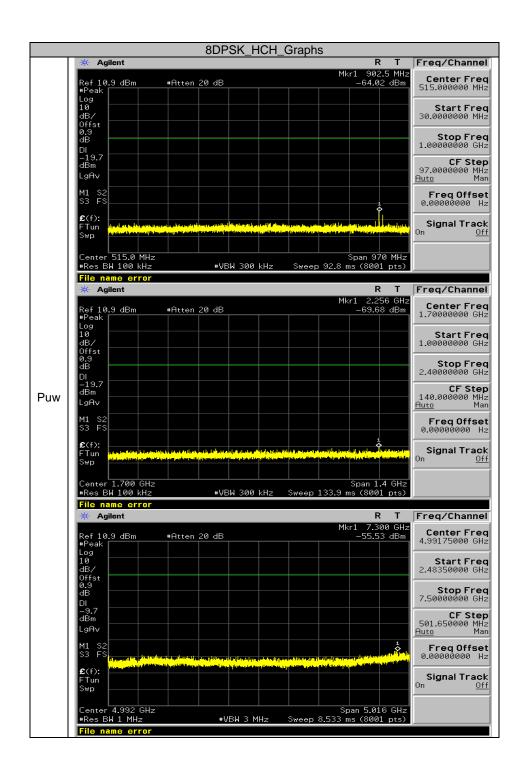


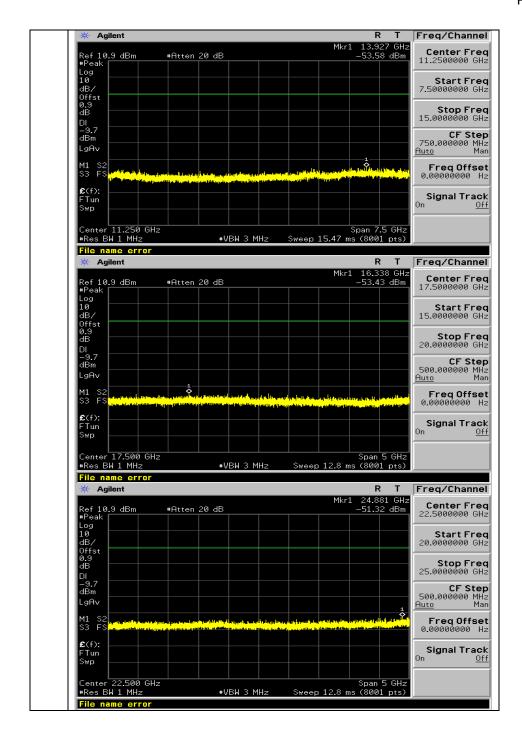












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10. RADIATED EMISSION

10.1. MEASUREMENT PROCEDURE

- 1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8.If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

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

| 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 | 1GHz~26.5GHz 1MHz/1MHz for Peak, 1MHz/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 |

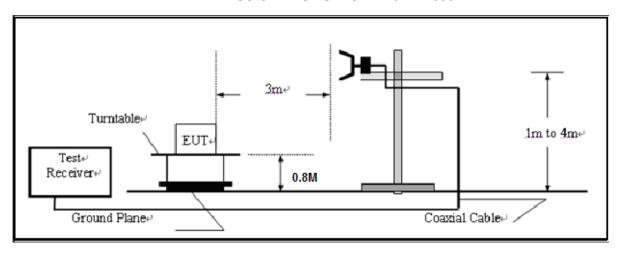
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10.2. TEST SETUP

RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



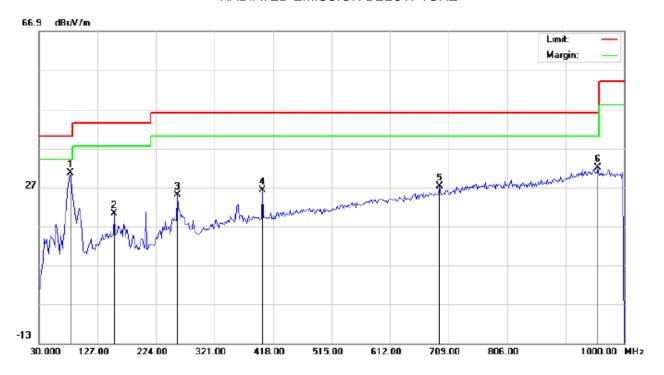
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10.3. TEST RESULT

RADIATED EMISSION BELOW 30MHZ

No emission found between lowest internal used/generated frequencies to 30MHz.

RADIATED EMISSION BELOW 1GHZ



Site: site #1 Limit: FCC Class B 3M Radiation

EUT: mobile phone M/N: Nova 3.5

Mode: Low channel TX

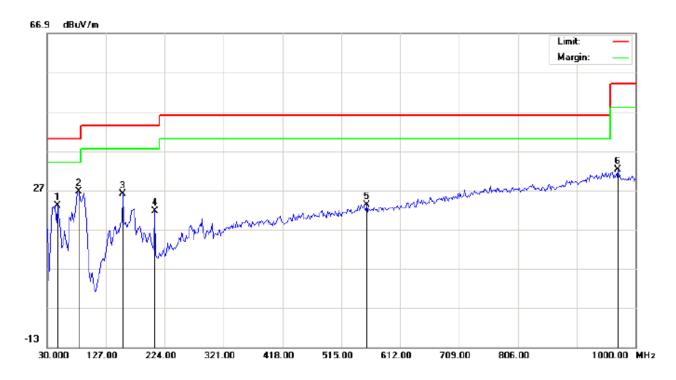
Note:

Polarization: *Horizontal* Temperature: 22.7 Power: AC 120V/60Hz Humidity: 53.6 %

Distance: 3m

| 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 | * | 81.7333 | 20.96 | 9.73 | 30.69 | 40.00 | -9.31 | peak | | | |
| 2 | | 154.4832 | 4.91 | 15.29 | 20.20 | 43.50 | -23.30 | peak | | | |
| 3 | | 259.5667 | 10.87 | 14.19 | 25.06 | 46.00 | -20.94 | peak | | | |
| 4 | | 400.2167 | 7.22 | 19.08 | 26.30 | 46.00 | -19.70 | peak | | | |
| 5 | | 694.4500 | 2.17 | 25.04 | 27.21 | 46.00 | -18.79 | peak | | | |
| 6 | | 956.3500 | 2.05 | 29.94 | 31.99 | 46.00 | -14.01 | peak | | | |

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Site: site #1 Polarization: Vertical Temperature: 22.7 Limit: FCC Class B 3M Radiation Power: AC 120V/60Hz Humidity: 53.6 %

EUT: mobile phone Distance: 3m

M/N: Nova 3.5

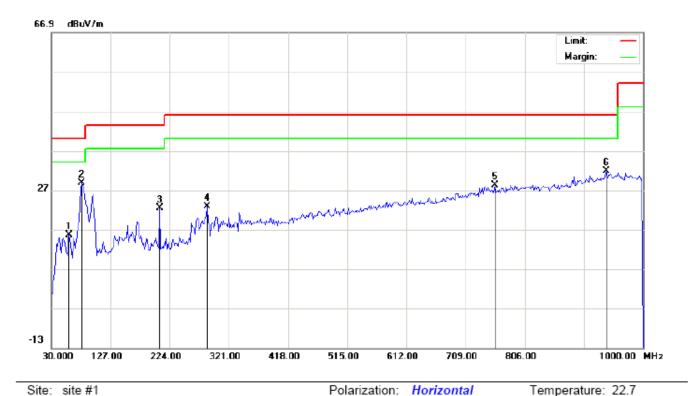
Mode: Low channel TX

Note:

| 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 | | 47.7833 | 14.54 | 8.39 | 22.93 | 40.00 | -17.07 | peak | | | |
| 2 | * | 81.7333 | 24.21 | 2.42 | 26.63 | 40.00 | -13.37 | peak | | | |
| 3 | | 154.4832 | 10.79 | 15.29 | 26.08 | 43.50 | -17.42 | peak | | | |
| 4 | | 207.8333 | 11.93 | 9.77 | 21.70 | 43.50 | -21.80 | peak | | | |
| 5 | | 557.0333 | 0.68 | 22.52 | 23.20 | 46.00 | -22.80 | peak | | · | |
| 6 | | 970.9000 | 2.40 | 29.80 | 32.20 | 54.00 | -21.80 | peak | | | |

Humidity: 53.6 %

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Site: site #1 Limit: FCC Class B 3M Radiation

EUT: mobile phone

M/N: Nova 3.5

Mode: Middle channel TX

Note:

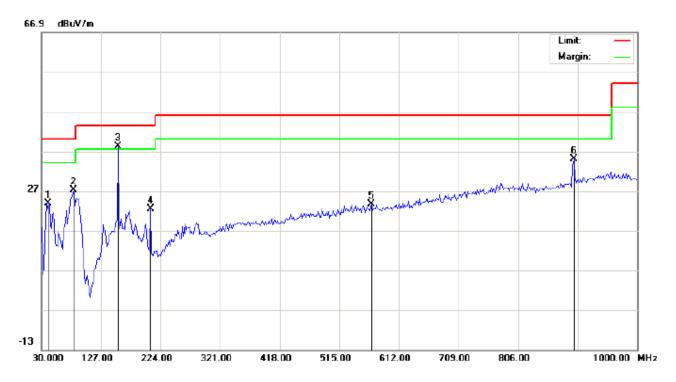
| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | - | MHz | dBu∀ | dB/m | dBu∀/m | dBu∀/m | dB | | cm | degree | |
| 1 | | 59.1000 | 4.40 | 11.16 | 15.56 | 40.00 | -24.44 | peak | | | |
| 2 | * | 80.1167 | 19.02 | 9.80 | 28.82 | 40.00 | -11.18 | peak | | | |
| 3 | | 207.8333 | 10.07 | 12.30 | 22.37 | 43.50 | -21.13 | peak | | | |
| 4 | | 285.4333 | 7.87 | 14.97 | 22.84 | 46.00 | -23.16 | peak | | | |
| 5 | | 757.5000 | 1.57 | 26.73 | 28.30 | 46.00 | -17.70 | peak | | | |
| 6 | | 940.1833 | 2.09 | 29.73 | 31.82 | 46.00 | -14.18 | peak | | | |

Power:

Distance: 3m

AC 120V/60Hz

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Site: site #1 Polarization: Vertical Temperature: 22.7 Limit: FCC Class B 3M Radiation AC 120V/60Hz Humidity: 53.6 % Power:

EUT: mobile phone Distance: 3m

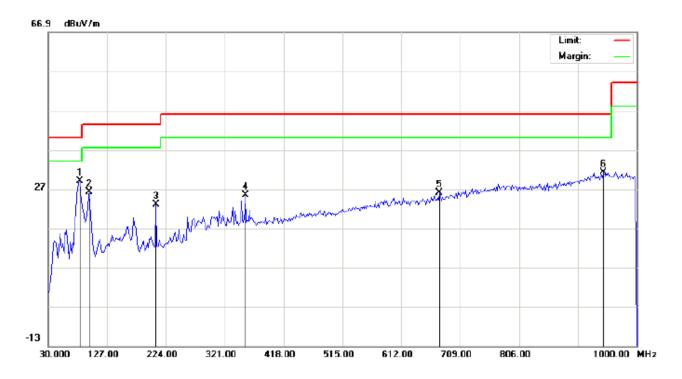
M/N: Nova 3.5

Mode: Middle channel TX

Note:

| 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 | | 41.3167 | 14.90 | 8.81 | 23.71 | 40.00 | -16.29 | peak | | | |
| 2 | | 81.7333 | 24.86 | 2.42 | 27.28 | 40.00 | -12.72 | peak | | | |
| 3 | * | 154.4832 | 22.91 | 15.29 | 38.20 | 43.50 | -5.30 | peak | | | |
| 4 | | 207.8333 | 12.72 | 9.77 | 22.49 | 43.50 | -21.01 | peak | | | |
| 5 | | 566.7333 | 1.07 | 22.56 | 23.63 | 46.00 | -22.37 | peak | | | |
| 6 | | 896.5333 | 6.58 | 28.52 | 35.10 | 46.00 | -10.90 | peak | | | |

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Site: site #1 Polarization: Horizontal Temperature: 22.7
Limit: FCC Class B 3M Radiation Power: AC 120V/60Hz Humidity: 53.6 %

EUT: mobile phone Distance: 3m

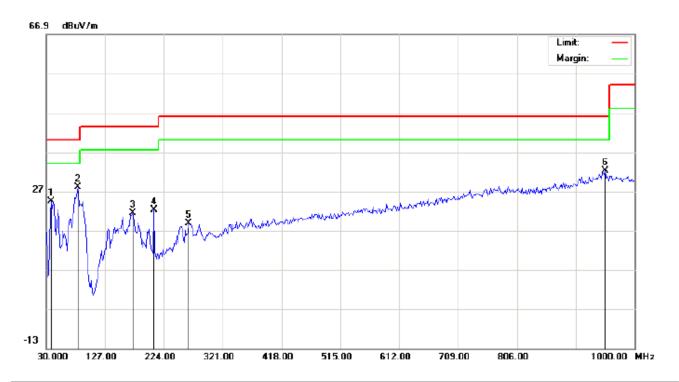
M/N: Nova 3.5

Mode: High channel TX

Note:

| 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 | * | 81.7333 | 19.18 | 9.73 | 28.91 | 40.00 | -11.09 | peak | | | |
| 2 | | 97.9000 | 15.88 | 10.25 | 26.13 | 43.50 | -17.37 | peak | | | |
| 3 | | 207.8333 | 10.78 | 12.30 | 23.08 | 43.50 | -20.42 | peak | | | |
| 4 | | 354.9500 | 6.57 | 18.77 | 25.34 | 46.00 | -20.66 | peak | | | |
| 5 | | 675.0500 | 1.49 | 24.52 | 26.01 | 46.00 | -19.99 | peak | | | |
| 6 | | 945.0333 | 1.38 | 29.86 | 31.24 | 46.00 | -14.76 | peak | | | |

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Site: site #1 Polarization: Vertical Temperature: 22.7 Limit: FCC Class B 3M Radiation Power: AC 120V/60Hz Humidity: 53.6 %

EUT: mobile phone Distance: 3m

M/N: Nova 3.5

Mode: High channel TX

Note:

| 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 | | 38.0833 | 17.97 | 6.39 | 24.36 | 40.00 | -15.64 | peak | | | |
| 2 | * | 81.7333 | 25.66 | 2.42 | 28.08 | 40.00 | -11.92 | peak | | | |
| 3 | | 172.2667 | 6.84 | 14.56 | 21.40 | 43.50 | -22.10 | peak | | | |
| 4 | | 207.8333 | 12.44 | 9.77 | 22.21 | 43.50 | -21.29 | peak | | | |
| 5 | | 264.4166 | 4.54 | 14.34 | 18.88 | 46.00 | -27.12 | peak | | | |
| 6 | | 951.5000 | 2.23 | 29.99 | 32.22 | 46.00 | -13.78 | 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.
- 3. Scan with GFSK, $\pi/4$ -DQPSK,8DPSK, record the worst cas is GFSK Mode.

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RADIATED EMISSION TEST- (ABOVE 1GHZ)

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector | Comment |
|-----------|---------------|--------|-------------------|----------|--------|----------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Type | |
| | | L | ow Channel (2402 | 2 MHz) | | | |
| 4804.264 | 66.29 | -3.62 | 62.67 | 74 | -11.33 | Pk | Vertical |
| 4804.272 | 46.46 | -3.62 | 42.84 | 54 | -11.16 | AV | Vertical |
| 7206.138 | 64.21 | -0.9 | 63.31 | 74 | -10.69 | pk | Vertical |
| 7206.156 | 43.86 | -0.9 | 42.96 | 54 | -11.04 | AV | Vertical |
| 4803.959 | 65.77 | -3.64 | 62.13 | 74 | -11.87 | Pk | Horizontal |
| 4803.964 | 45.29 | -3.64 | 41.65 | 54 | -12.35 | AV | Horizontal |
| | | 1 | Mid Channel (2441 | MHz) | | | |
| 4882.128 | 65.21 | -3.65 | 61.56 | 74 | -12.44 | Pk | Vertical |
| 4882.094 | 47.88 | -3.65 | 44.23 | 54 | -9.77 | AV | Vertical |
| 7323.228 | 63.91 | -0.82 | 63.09 | 74 | -10.91 | Pk | Vertical |
| 7323.220 | 46.49 | -0.82 | 45.67 | 54 | -8.33 | AV | Vertical |
| 4882.096 | 63.08 | -3.68 | 59.4 | 74 | -14.6 | Pk | Horizontal |
| 4882.171 | 47.27 | -3.68 | 43.59 | 54 | -10.41 | AV | Horizontal |
| | | H | ligh Channel (248 | 0 MHz) | | | |
| 4960.260 | 63.48 | -3.59 | 59.89 | 74 | -14.11 | pk | Vertical |
| 4960.325 | 45.61 | -3.59 | 42.02 | 54 | -11.98 | AV | Vertical |
| 4960.190 | 64.28 | -3.59 | 60.69 | 74 | -13.31 | pk | Horizontal |
| 4960.157 | 46.33 | -3.59 | 42.74 | 54 | -11.26 | AV | Horizontal |

Note:

- 1) 30MHz~25GHz:(Scan with GFSK, π /4-DQPSK,8DPSK, the worst casw is GFSK Mode)
- 2) Factor = Antenna Factor + Cable Loss Pre-amplifier.

Emission Level = Meter Reading + Factor

Margin = Emission Leve - Limit

RESULT: PASS

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11. BAND EDGE EMISSION

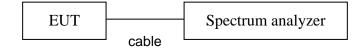
11.1. MEASUREMENT PROCEDURE

- 1. The transmitter output is connected to a spectrum analyzer. The resolution bandwidth is set to 100kHz. The video bandwidth is set to 300kHz.
- 2. Transmitter set to the normal hopping mode at 2.4 and 2.4835 GHz.

11.2. TEST SET-UP

Radiated same as 10.2

Conducted set up



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11.3. Radiated TEST RESULT

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector | Comment |
|-----------|------------------|--------|-------------------|----------|--------|----------|------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре | |
| | | | GF | SK | | | |
| 2399.9 | 68.51 | -12.99 | 55.52 | 74 | -18.48 | peak | Vertical |
| 2399.9 | 54.37 | -12.99 | 41.38 | 54 | -12.62 | AVG | Vertical |
| 2399.9 | 71.38 | -12.99 | 58.39 | 74 | -15.61 | peak | Horizontal |
| 2399.9 | 54.43 | -12.99 | 41.44 | 54 | -12.56 | AVG | Horizontal |
| 2483.6 | 71.51 | -12.78 | 58.73 | 74 | -15.27 | peak | Vertical |
| 2483.6 | 54.67 | -12.78 | 41.89 | 54 | -12.11 | AVG | Vertical |
| 2483.6 | 71.29 | -12.78 | 58.51 | 74 | -15.49 | peak | Horizontal |
| 2483.6 | 54.52 | -12.78 | 41.74 | 54 | -12.26 | AVG | Horizontal |
| | | | π/4-D | QPSK | | | |
| 2399.9 | 71.33 | -12.99 | 58.34 | 74 | -15.66 | peak | Vertical |
| 2399.9 | 54.63 | -12.99 | 41.64 | 54 | -12.36 | AVG | Vertical |
| 2399.9 | 70.76 | -12.99 | 57.77 | 74 | -16.23 | peak | Horizontal |
| 2399.9 | 55.62 | -12.99 | 42.63 | 54 | -11.37 | AVG | Horizontal |
| 2483.6 | 71.87 | -12.78 | 59.09 | 74 | -14.91 | peak | Vertical |
| 2483.6 | 58.27 | -12.78 | 45.49 | 54 | -8.51 | AVG | Vertical |
| 2483.6 | 71.26 | -12.78 | 58.48 | 74 | -15.52 | peak | Horizontal |
| 2483.6 | 54.74 | -12.78 | 41.96 | 54 | -12.04 | AVG | Horizontal |
| | | | 8DF | PSK | | | |
| 2399.9 | 71.39 | -12.99 | 58.4 | 74 | -15.6 | peak | Vertical |
| 2399.9 | 55.24 | -12.99 | 42.25 | 54 | -11.75 | AVG | Vertical |
| 2399.9 | 70.53 | -12.99 | 57.54 | 74 | -16.46 | peak | Horizontal |
| 2399.9 | 56.68 | -12.99 | 43.69 | 54 | -10.31 | AVG | Horizontal |
| 2483.6 | 71.93 | -12.78 | 59.15 | 74 | -14.85 | peak | Vertical |
| 2483.6 | 55.72 | -12.78 | 42.94 | 54 | -11.06 | AVG | Vertical |
| 2483.6 | 71.28 | -12.78 | 58.5 | 74 | -15.5 | peak | Horizontal |
| 2483.6 | 54.27 | -12.78 | 41.49 | 54 | -12.51 | AVG | Horizontal |

RESULT: PASS

Note: The other modes radiation emission have enough 20dB margin.

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

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

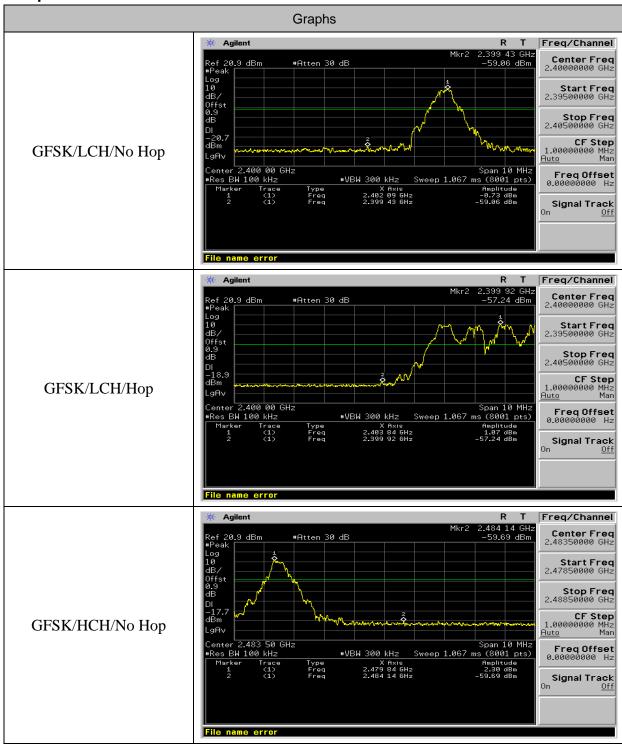
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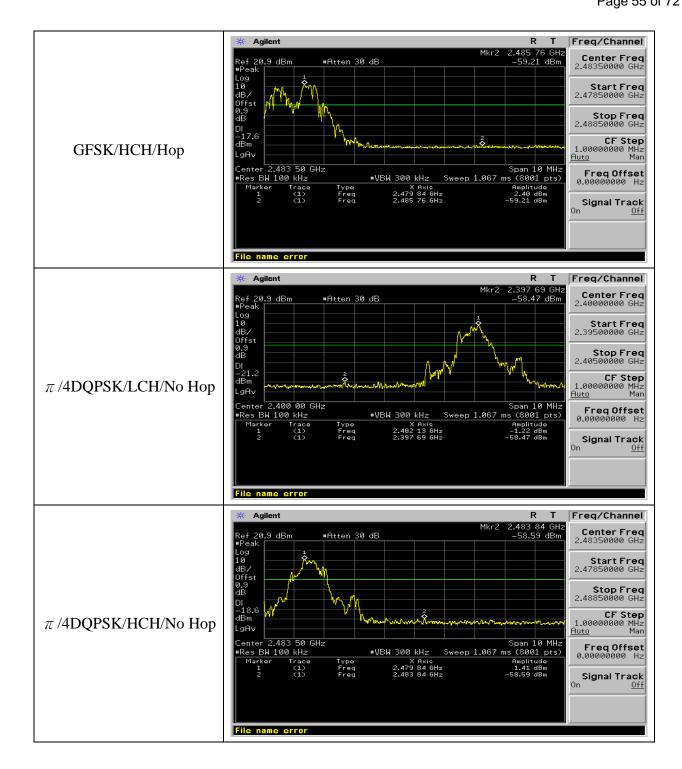
11.4 Conducted TEST RESULT

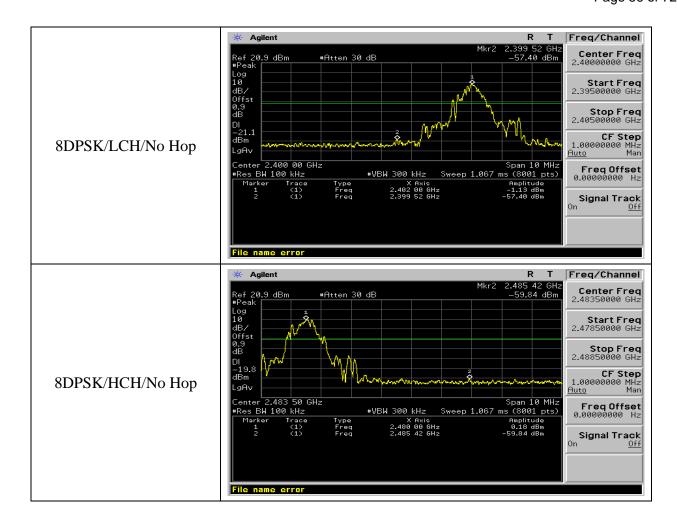
| Mode | Channel | Carrier Frequency [MHz] | Frequenc y Hopping | Max Spurious Level [dBm] | Verdict |
|----------|---------|-------------------------------|--------------------------|-----------------------------------|---------|
| GFSK | LCH | 2402 | Off | -59.059 | PASS |
| GFSK | LCH | 2402 | On | -57.238 | PASS |
| GFSK | HCH | 2490 | Off | -59.69 | PASS |
| GFSK | псп | 2480 | On | -59.208 | PASS |
| π/4DQPSK | LCH | 2402 | Off | -58.466 | PASS |
| π/4DQPSK | HCH | 2480 | Off | -58.593 | PASS |
| 8DPSK | LCH | 2402 | Off | -57.403 | PASS |
| 8DPSK | HCH | 2480 | Off | -59.838 | PASS |

Note: All modes were tested, only the worst case record in the report.

Test Graph







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12. NUMBER OF HOPPING FREQUENCY

12.1. MEASUREMENT PROCEDURE

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum analyzer.
- 3. Set the spectrum analyzer Start = 2.4GHz Stop = 2.4835GHz
- 4. Set the Spectrum Analyzer as RBW>=1%span, VBW>=RBW.

12.2. TEST SETUP (BLOCK DIAGRAM OF CONFIGURATION)

Same as described in section 8.2

12.3. MEASUREMENT EQUIPMENT USED

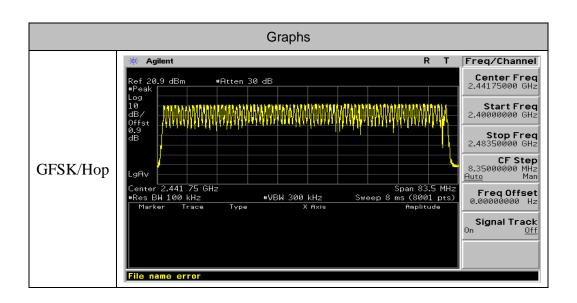
The same as described in section 6

12.4. LIMITS AND MEASUREMENT RESULT

| Mode | Channel. | Number of Hopping Channel | Verdict |
|------|----------|---------------------------|---------|
| GFSK | Нор | 79 | PASS |

Note: All modes were tested, only the worst case record in the report.

Test Graph



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13. TIME OF OCCUPANCY (DWELL TIME)

13.1. MEASUREMENT PROCEDURE

- 1. Place the EUT on the table and set it in transmitting mode
- 2. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum analyzer.
- 3. Set Span = zero span, centered on a hoping channel
- 4. Set the spectrum analyzer as RBW=1MHz, VBW>=RBW, Span = 0 Hz

13.2. TEST SETUP (BLOCK DIAGRAM OF CONFIGURATION)

Same as described in section 8.2

13.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6

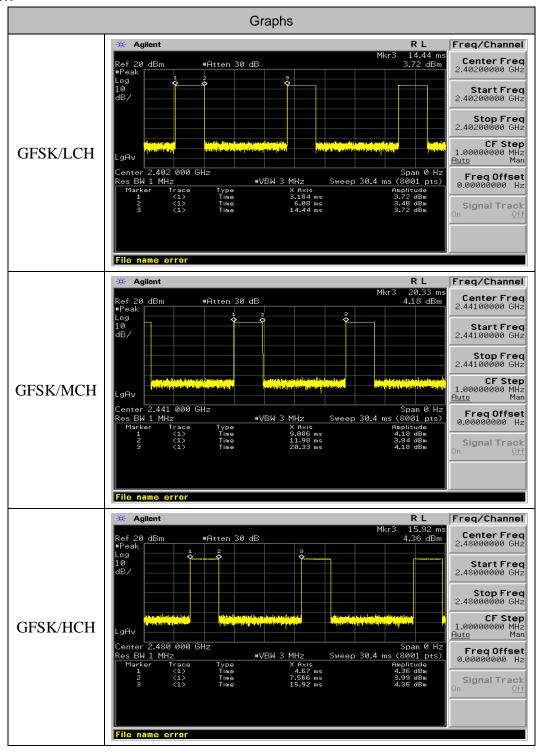
13.4. LIMITS AND MEASUREMENT RESULT

The Dwell Time=Burst Width*Total Hops. The detailed calculations are showed as follows:

- The duration for dwell time calculation:0.4[s]*hopping number=0.4[s]*79[ch]=31.6[s*ch];
- The burst width [ms/hop/ch], which is directly measured, refers to the duration on one channel hop.
- The hops per second for all channels: The selected EUT Conf uses a slot type of 5-Tx&1-Rx and a hopping rate of 1600 [ch*hop/s] for all channels. So the final hopping rate for all channels is 1600/6=266.67 [ch*hop/s]
- The hops per second on one channel: 266.67 [ch*hops/s]/79 [ch]=3.38 [hop/s];
- The total hops for all channels within the dwell time calculation duration:3.38 [hop/s]*31.6[s*ch]=106.67 [hop*ch];
- The dwell time for all channels hopping: 106.67 [hop*ch]*Burst Width [ms/hop/ch].

| Mode | Channel. | Burst Width [ms/hop/ch] | Total Hops[hop*ch] | Dwell Time[ms] | Verdict | Limit (ms) |
|------|----------|-------------------------|--------------------|----------------|---------|---------------|
| GFSK | LCH | 2.896 | 106.67 | 309.872 | PASS | 400 |
| GFSK | MCH | 2.896 | 106.67 | 309.872 | PASS | 400 |
| GFSK | HCH | 2.896 | 106.67 | 309.872 | PASS | 400 |

Test Graph



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14. FREQUENCY SEPARATION

14.1. MEASUREMENT PROCEDURE

- 1. Place the EUT on the table and set it in transmitting mode
- 2. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum analyzer
- 3. Set Span = wide enough to capture the peaks of two adjacent channels Resolution (or IF) Bandwidth (RBW) ≥ 1% of the span Video (or Average) Bandwidth (VBW) ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold

14.2. TEST SETUP (BLOCK DIAGRAM OF CONFIGURATION)

Same as described in section 6.2

14.3. MEASUREMENT EQUIPMENT USED

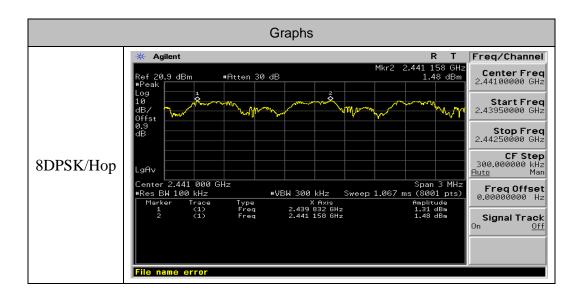
The same as described in section 6.3

14.4. LIMITS AND MEASUREMENT RESULT

| Mode | Channel. | Carrier Frequency Separation [MHz] | Verdict |
|-------|----------|------------------------------------|---------|
| 8DPSK | Нор | 1.327 | PASS |

Note: All modes were tested, only the worst case record in the report.

Test Graph



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15. FCC LINE CONDUCTED EMISSION TEST

15.1. 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.

15.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



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15.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. 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 C63.4 (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 C63.4.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- 4. All support equipments received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received DC charging voltage by adapter 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.

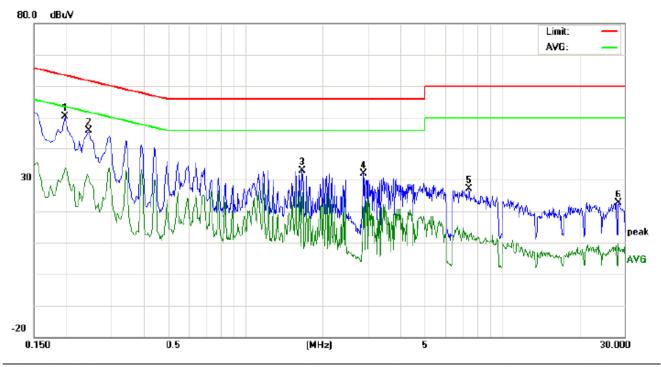
15.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 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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15.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

Line Conducted Emission Test Line 1-L



Site: Conduction Phase: L1 Temperature: 22.9
Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 53.2 %

EUT: mobile phone M/N: Nova 3.5

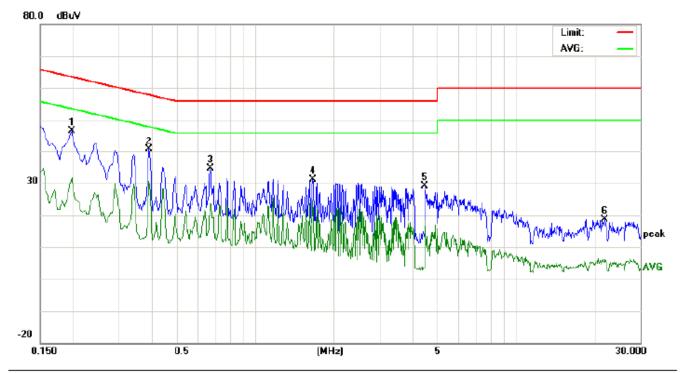
Mode: Normal Operation(BT3.0)

Note:

| No. | Freq. | Rea | Reading_Level (dBuV) | | Correct Factor | Measurement (dBuV) | | | Limit (dBuV) | | Margin (dB) | | P/F | Comment |
|-----|---------|-------|-------------------------|-------|-------------------|-----------------------|----|-------|-----------------|-------|----------------|--------|-----|---------|
| | (MHz) | Peak | QP | AVG | dB | Peak | QP | AVG | QP | AVG | QP | AVG | | |
| 1 | 0.1980 | 40.08 | | 23.76 | 10.21 | 50.29 | | 33.97 | 63.69 | 53.69 | -13.40 | -19.72 | Р | |
| 2 | 0.2460 | 35.66 | | 19.16 | 10.27 | 45.93 | | 29.43 | 61.89 | 51.89 | -15.96 | -22.46 | Р | |
| 3 | 1.6700 | 22.64 | | 13.11 | 10.33 | 32.97 | | 23.44 | 56.00 | 46.00 | -23.03 | -22.56 | Р | |
| 4 | 2.8980 | 21.38 | | 10.30 | 10.53 | 31.91 | | 20.83 | 56.00 | 46.00 | -24.09 | -25.17 | Р | |
| 5 | 7.4740 | 16.71 | | 0.63 | 10.33 | 27.04 | | 10.96 | 60.00 | 50.00 | -32.96 | -39.04 | Р | |
| 6 | 28.5100 | 12.55 | | -2.40 | 10.12 | 22.67 | | 7.72 | 60.00 | 50.00 | -37.33 | -42.28 | Р | |

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Line Conducted Emission Test Line 2-N



Site: Conduction Phase: N Temperature: 22.9
Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 53.2 %

EUT: mobile phone M/N: Nova 3.5

Mode: Normal Operation(BT3.0)

Note:

| No. | Freq. | Reading_Level (dBuV) | | | Correct Me Factor | | asurement (dBuV) | | Limit (dBuV) | | Margin (dB) | | P/F | Comment |
|-----|---------|-------------------------|----|-------|----------------------|-------|---------------------|-------|-----------------|-------|----------------|--------|-----|---------|
| | (MHz) | Peak | QP | AVG | dB | Peak | QP | AVG | QP | AVG | QP | AVG | | |
| 1 | 0.1980 | 36.49 | | 21.44 | 10.21 | 46.70 | | 31.65 | 63.69 | 53.69 | -16.99 | -22.04 | Р | |
| 2 | 0.3899 | 30.25 | | 20.41 | 10.33 | 40.58 | | 30.74 | 58.06 | 48.06 | -17.48 | -17.32 | Р | |
| 3 | 0.6740 | 24.34 | | 13.24 | 10.34 | 34.68 | | 23.58 | 56.00 | 46.00 | -21.32 | -22.42 | Р | |
| 4 | 1.6700 | 20.71 | | 14.31 | 10.33 | 31.04 | | 24.64 | 56.00 | 46.00 | -24.96 | -21.36 | Р | |
| 5 | 4.4899 | 18.82 | | 8.10 | 10.21 | 29.03 | | 18.31 | 56.00 | 46.00 | -26.97 | -27.69 | Р | |
| 6 | 21.8860 | 8.50 | | -4.75 | 10.12 | 18.62 | | 5.37 | 60.00 | 50.00 | -41.38 | -44.63 | Р | |

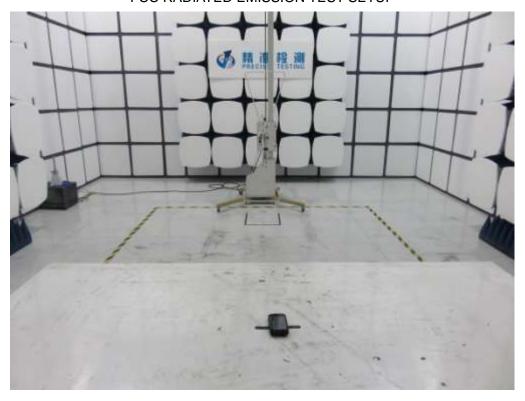
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APPENDIX A: PHOTOGRAPHS OF TEST SETUP

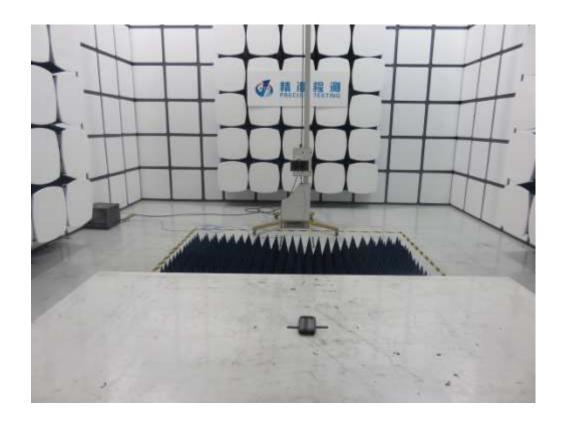
FCC LINE CONDUCTED EMISSION TEST SETUP



FCC RADIATED EMISSION TEST SETUP



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APPENDIX B: PHOTOGRAPHS OF EUT

TOTAL VIEW OF EUT



TOP VIEW OF EUT



BOTTOM VIEW OF EUT



FRONT VIEW OF EUT



BACK VIEW OF EUT



LEFT VIEW OF EUT



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RIGHT VIEW OF EUT

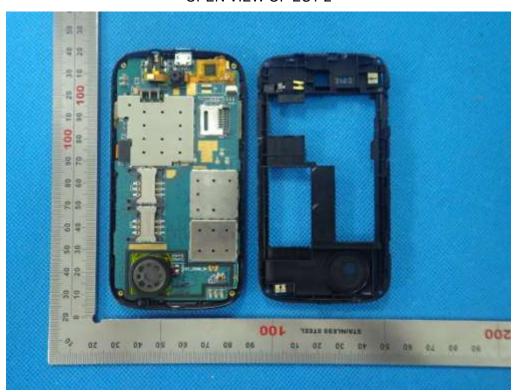


OPEN VIEW OF EUT-1

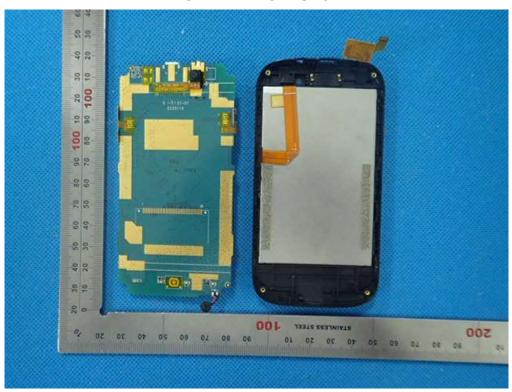


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OPEN VIEW OF EUT-2

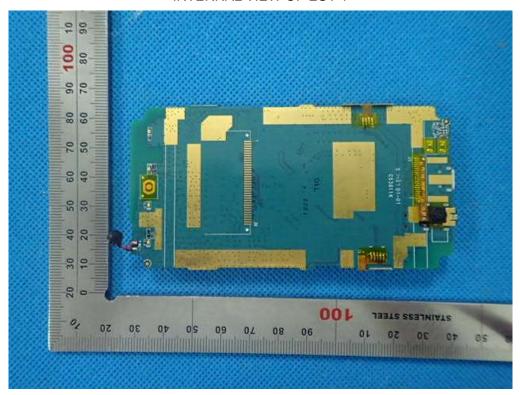


OPEN VIEW OF EUT-3

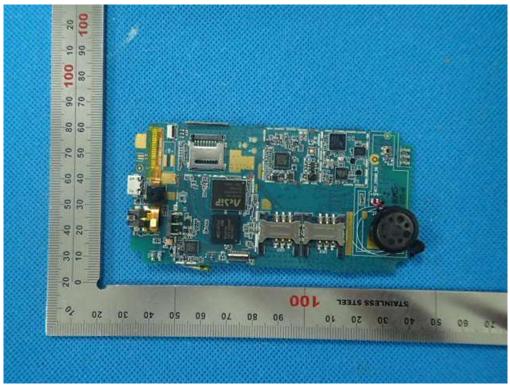


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INTERNAL VIEW OF EUT-1



INTERNAL VIEW OF EUT-2



----END OF REPORT----