

TEST REPORT

Application No.: ZR/2020/50040
Applicant: Xiaomi Communications Co., Ltd.
Address of Applicant: #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Manufacturer: Xiaomi Communications Co., Ltd.
Address of Manufacturer: #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
EUT Description: Mobile Phone
Model No.: M2006C3MG
Trade Mark: Redmi
FCC ID: 2AFZZC3MG
Standard(s) : 47 CFR Part 15, Subpart B
Date of Receipt: 2020-05-26
Date of Test: 2020-06-05 to 2020-06-10
Date of Issue: 2021-5-26

| | |
|---------------------|--------------|
| Test Result: | Pass* |
|---------------------|--------------|

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Simon Ling

Wireless Laboratory Manager



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| Revision Record | | | | |
|------------------------|----------------|-------------|-----------------|---|
| Version | Chapter | Date | Modifier | Remark |
| 01 | | 2020-06-28 | | Original |
| 02 | | 2021-5-26 | Leah Chen | 1. Modify data conversion error of antenna height 2.Updated equipment list |
| | | | | |

*This report supersedes our previous report ZR/2020/5004006, issued on 2020-06-28, which is hereby deemed null and void.

| | | |
|---------------------------------|--|--------------------------------|
| Authorized for issue by: | | |
| Prepared By |  | (Leah Chen) /Engineer |
| Checked By |  | (Daniel Wang) /Reviewer |

2 Test Summary

| Emission Part | | | | |
|---|---------------------------|-----------------|--------------------|---------------|
| Item | Standard | Method | Requirement | Result |
| Conducted Emissions at Mains Terminals (150kHz-30MHz) | 47 CFR Part 15, Subpart B | ANSI C63.4:2014 | Class B | Pass |
| Radiated Emissions (30MHz-1GHz) | 47 CFR Part 15, Subpart B | ANSI C63.4:2014 | Class B | Pass |
| Radiated Emissions (above 1GHz) | 47 CFR Part 15, Subpart B | ANSI C63.4:2014 | Class B | Pass |

| Internal Source | Upper Frequency |
|------------------------|--|
| Below 1.705MHz | 30MHz |
| 1.705MHz to 108MHz | 1GHz |
| 108MHz to 500MHz | 2GHz |
| 500MHz to 1GHz | 5GHz |
| Above 1GHz | 5th harmonic of the highest frequency or 40GHz, whichever is lower |



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4 General Information

| | | | |
|-----------------------------------|---|---|------------|
| Product Name: | Mobile Phone | | |
| Model No.(EUT): | M2006C3MG | | |
| Trade Mark: | Redmi | | |
| FCC ID: | 2AFZZC3MG | | |
| Device Type : | portable device | | |
| Exposure Category: | uncontrolled environment / general population | | |
| Product Phase: | Identical Prototype | | |
| Hardware Version: | P2 | | |
| Software Version: | MIUI 12 | | |
| Antenna Type: | PIFA Antenna | | |
| Device Operating Configurations : | | | |
| Modulation Mode: | GSM: GMSK, 8PSK; WCDMA: QPSK,16QAM(HSPA+); LTE: QPSK,16QAM WIFI: DSSS, OFDM; BT: GFSK, π/4DQPSK,8DPSK | | |
| Device Class: | B | | |
| GPRS Multi-slots Class: | 12 | EGPRS Multi-slots Class: | 12 |
| HSDPA UE Category: | 24 | HSUPA UE Category | 7 |
| DC-HSDPA UE Category: | 24 | | |
| Power Class | 4, tested with power level 5(GSM850) | | |
| | 1, tested with power level 0(GSM1900) | | |
| | 3, tested with power control "all 1"(WCDMA Band II/IV/V) | | |
| | 3, tested with power control Max Power(LTE Band 2/4/5/7/38/41) | | |
| Frequency Bands: | Band | Tx (MHz) | Rx (MHz) |
| | GSM850 | 824~849 | 869~894 |
| | GSM1900 | 1850~1910 | 1930~1990 |
| | WCDMA Band II | 1850~1910 | 1930~1990 |
| | WCDMA Band IV | 1710~1755 | 2110~2155 |
| | WCDMA Band V | 824~849 | 869~894 |
| | LTE Band 2 | 1850 ~1910 | 1930 ~1990 |
| | LTE Band 4 | 1710~1755 | 2110~2155 |
| | LTE Band 5 | 824~849 | 869-894 |
| | LTE Band 7 | 2500~2570 | 2620~2690 |
| | LTE Band 38 | 2570~2620 | 2570~2620 |
| | LTE Band 41 | 2535~2655 | 2535~2655 |
| | Wi-Fi 2.4G | 2402~2472 | 2402~2472 |
| | Bluetooth | 2402~2480 | 2402~2480 |
| | GNSS(GPS/BDS/G LONASS) | / | 1559~1610 |
| FM | 87.5~108 | | |
| Battery Information: | Model: | BN56 | |
| | Normal Voltage: | +3.85V | |
| | Rated capacity: | 4900mAh | |
| | Manufacturer: | Ningde Amperex Technology Limited | |
| Adaptor Information1 #: | Model: | MDY-09-EQ | |
| | Brand Name: | MI | |
| | SEC: | I/P: 100 - 240 Vac, 0.35 A, O/P:5.0V,2A; | |
| | Manufacturer: | Jiangsu Chenyang Electron Co.,Ltd. | |
| Adaptor Information2 #: | Model: | MDY-09-EQ | |
| | Brand Name: | MI | |
| | SEC: | I/P: 100 - 240 Vac, 0.35 A, O/P:5.0V,2A; | |

| | | |
|-------------------------|---------------|--|
| | Manufacturer: | Jiangxi jian Aohai Technology Co.,Ltd. |
| USB Cable Information : | Model: | H52210 |
| | Signal Line | 1.0 meter, shielded cable |
| | Manufacturer: | Dehong |

Note: There are 2 types of EUT sample, differences between them is Memory, EUT 1(3+64GB); EUT 2(2+32GB); Except listings above, the others are all the same .

4.1 Description of Support Units

| Description | Manufacturer | Model No. | Inventory No. |
|-------------|--|--------------|-----------------|
| Router | NETGEAR | R6020 | No.XA1401 |
| Computer | Lenovo | L480 | No.XA1402 |
| Mouse | A4TECH | OP-520NU USB | No.XA1403 |
| Headset | Tiinlab Acoustic Technology (Shenzhen) Co., Ltd. | EM023 | REF. No.SEA2222 |

4.2 Measurement Uncertainty

| No. | Item | Measurement Uncertainty |
|-----|---------------------|---------------------------|
| 1 | Conduction Emission | ± 3.0dB (150kHz to 30MHz) |
| 2 | Radiated Emission | ± 4.8dB (Below 1GHz) |
| | | ± 4.8dB (1GHz to 6GHz) |
| | | ± 4.5dB (6GHz to 18GHz) |
| | | ± 5.02dB (Above 18GHz) |



4.3 Test Location

All tests were performed at:

| | |
|----------------|--|
| Company: | SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD. |
| Address: | 1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, Xi'an, Shaanxi China |
| Post code: | 710086 |
| Test engineer: | Ben Huang, Leah Chen |

No tests were sub-contracted.

4.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA (Certificate No. 4854.01)**

SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4854.01.

- **FCC –Designation Number: CN1271.**

4.5 Deviation from Standards

None

4.6 Abnormalities from Standard Conditions

None

5 Equipment List

| RE Test System | | | | | |
|-------------------------------------|----------------|------------------|---------------|------------|--------------|
| Equipment | Manufacturer | Model No. | Inventory No. | Cal Date | Cal Due Date |
| Semi-Anechoic Chamber | Brilliant-emc | N/A | XAW03-35-01 | 2019-09-11 | 2022-09-10 |
| MXA signal analyzer | Keysight | N9020A | XAW01-06-01 | 2019-06-27 | 2020-06-26 |
| Test receiver | ROHDE&SCHWARZ | ESR | XAW01-08-01 | 2019-09-07 | 2020-09-06 |
| Receiving antenna (30MHz~3GHz) | Schwarzbeck | VULB 9163 | XAW01-09-01 | 2019-10-13 | 2021-10-12 |
| Receiving antenna (1GHz~18GHz) | Schwarzbeck | BBHA 9120D | XAW01-09-02 | 2019-10-13 | 2021-10-12 |
| Receiving antenna (15GHz~40GHz) | Schwarzbeck | BBHA 9170 | XAW01-09-03 | 2019-10-13 | 2021-10-12 |
| Directional antenna rack controller | Max-Full | MF-7802BS | XAW03-03-01 | NCR | NCR |
| High-speed antenna rack controller | Max-Full | MF-7802 | XAW03-04-01 | NCR | NCR |
| Filter bank | Tonscend | JS0806-F | XAW03-05-01 | NCR | NCR |
| Filter bank | Tonscend | JS0806s | XAW03-05-02 | NCR | NCR |
| Amplifier | Tonscend | TAP00903040 | XAW01-41-01 | 2019-11-18 | 2020-11-17 |
| Amplifier | Tonscend | TAP01018048 | XAW01-41-02 | 2019-11-18 | 2020-11-17 |
| Amplifier | Tonscend | TAP18040048 | XAW01-41-03 | 2019-12-03 | 2020-12-02 |
| Amplifier | Shanghai Steed | YX28980930 | XAW01-41-06 | 2019-11-18 | 2020-11-17 |
| Temperature and humidity meter | MingGao | TH101B | XAW01-01-01 | 2019-12-06 | 2020-12-05 |
| Measurement Software | Tonscend | TS+ RSE V3.0.0.2 | XAW02-05-01 | NCR | NCR |
| 5G UXM | Keysight | E7515B | XAW01-19-01 | 2019-08-17 | 2020-08-16 |
| Radio communication analyzer | ROHDE&SCHWARZ | CMW 500 | XAW01-03-02 | 2019-06-27 | 2020-06-26 |

| CE Test System | | | | | |
|--------------------------------|---------------|-------------|---------------|------------|--------------|
| Equipment | Manufacturer | Model No. | Inventory No. | Cal Date | Cal Due Date |
| Shielding Room | Brilliant-emc | N/A | XAW03-35-01 | 2019-09-11 | 2022-09-10 |
| Test receiver | ROHDE&SCHWARZ | ESR | XAW01-08-01 | 2019-09-07 | 2020-09-06 |
| Artificial network | ROHDE&SCHWARZ | ENV216 | XAW01-04-01 | 2019-07-16 | 2020-07-15 |
| Temperature and humidity meter | MingGao | TH101B | XAW01-01-01 | 2019-12-06 | 2020-12-05 |
| Measurement Software | Tonscend | TS+ CE V2.5 | XAW02-05-02 | NCR | NCR |
| 5G UXM | Keysight | E7515B | XAW01-19-01 | 2019-08-17 | 2020-08-16 |
| Radio communication analyzer | ROHDE&SCHWARZ | CMW 500 | XAW01-03-02 | 2019-06-27 | 2020-06-26 |

6 Emission Test Results

6.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

| | |
|-------------------|--|
| Test Requirement: | 47 CFR Part 15, Subpart B |
| Test Method: | ANSI C63.4:2014 |
| Frequency Range: | 150kHz to 30MHz |
| Limit: | |
| 0.15M-0.5MHz | 66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average |
| 0.5M-5MHz | 56dB(μV) quasi-peak, 46dB(μV) average |
| 5M-30MHz | 60dB(μV) quasi-peak, 50dB(μV) average |
| Detector: | Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz |

6.1.1 E.U.T. Operation

Operating Environment:

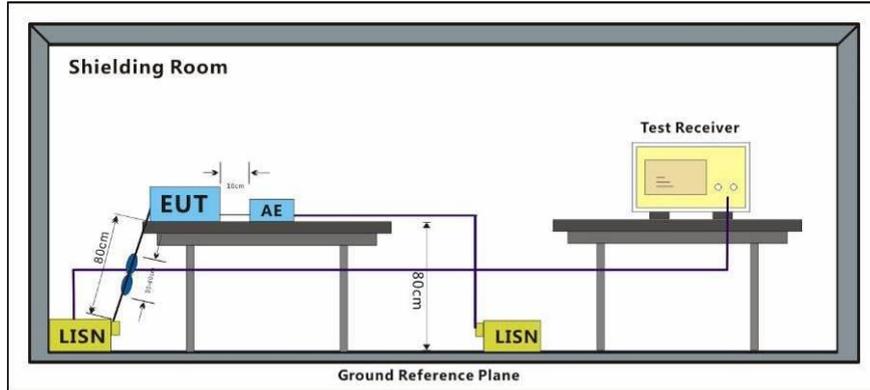
Temperature: 18.9 °C Humidity: 55.1 % RH Atmospheric Pressure: 1000 mbar

Pretest these modes to find the worst case:

- a: GSM850 Link+BT+WLAN2.4G+GPS Rx+playing MP4 (SD card)+earphone+EUT1+USB cable+adapter1
- b: GSM1900 Link +BT+WLAN2.4G+GPS Rx+camera (Back)+earphone+EUT1+USB cable+adapter1
- c: WCDMA II Link +BT+WLAN2.4G+GPS Rx+camera (Front)+earphone+EUT1+USB cable+adapter1
- d: WCDMA IV Link +BT+WLAN2.4G+GPS Rx+camera (Back)+earphone+EUT1+USB cable+adapter1
- e: WCDMA V Link +BT+WLAN2.4G+GPS Rx+camera (Back)+earphone+EUT1+USB cable+adapter1
- f: LTE band 2 Link +BT+ WLAN2.4G +GPS Rx +earphone+EUT1+USB cable+adapter1
- g: LTE band 4 Idle +BT+FM +WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
- h: LTE band 5 Idle +BT+FM+WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
- i: LTE band 7 Idle +BT+FM+WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
- j: LTE band 38 Link +BT+FM +WLAN2.4G+GPS Rx +earphone+EUT1+USB cable+adapter1
- k: LTE band 41 Idle +BT+FM +WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
- l: Transfer data between the EUT1 and the PC+USB cable
- m: GSM850 Link+BT+WLAN2.4G+GPS Rx+playing MP4 (SD card)+earphone+EUT1+USB cable+adapter2
- n: GSM850 Link+BT+WLAN2.4G+GPS Rx+playing MP4 (SD card)+earphone+EUT2+USB cable+adapter1

The worst case for final test: a: GSM850 Link+BT+WLAN2.4G+GPS Rx+playing MP4 (SD card)+earphone+EUT1+USB cable+adapter1

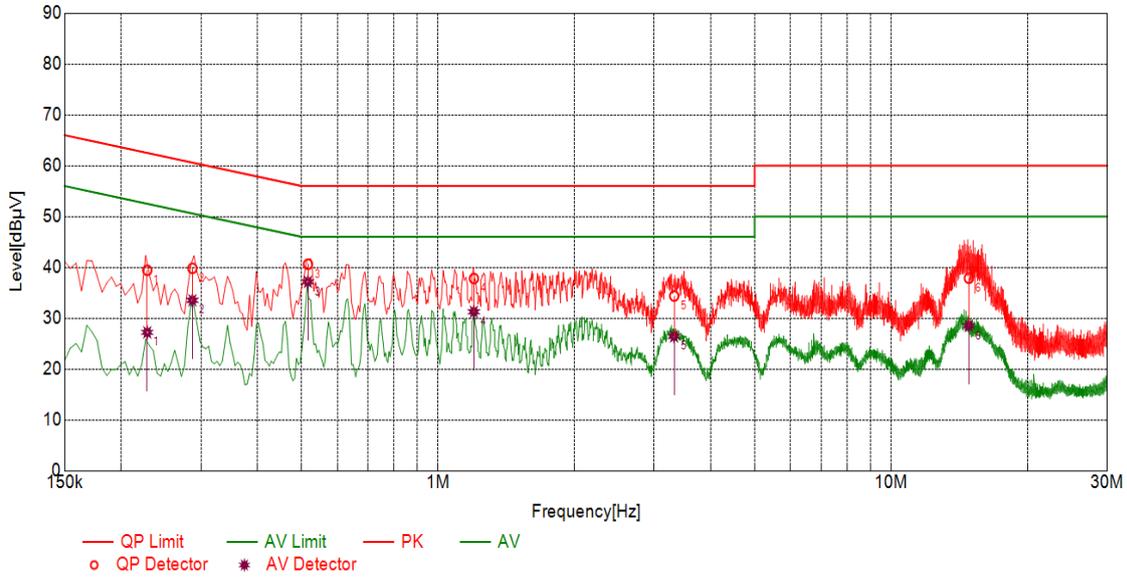
6.1.2 Test Setup Diagram



6.1.3 Measurement Data

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.

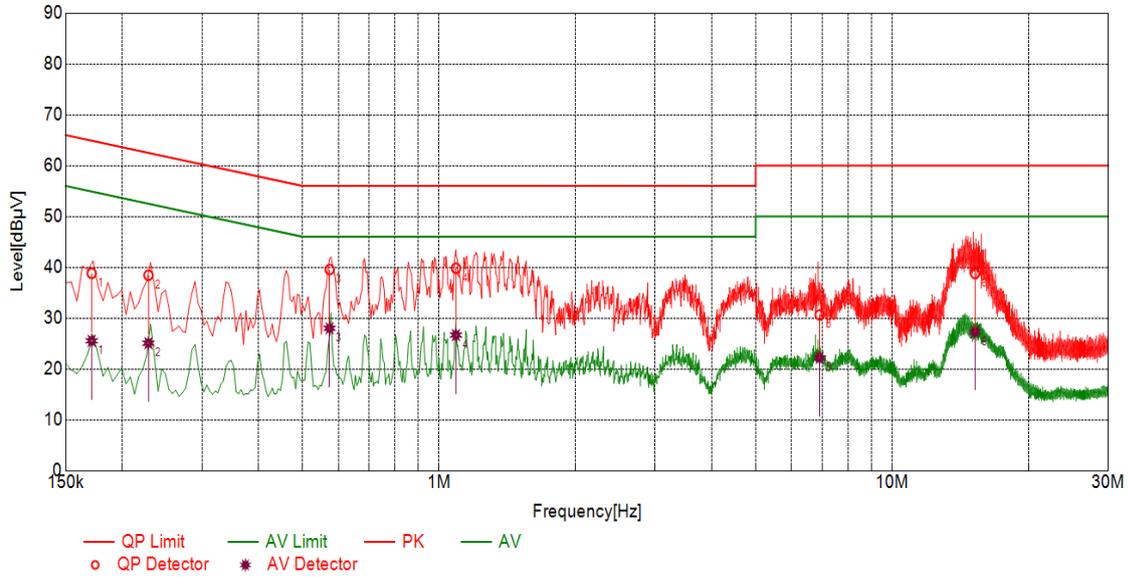
Mode:a; Line:Live Line



Final Data List

| NO. | Freq. [MHz] | Factor [dB] | QP Value [dBµV] | QP Limit [dBµV] | QP Margin [dB] | AV Value [dBµV] | AV Limit [dBµV] | AV Margin [dB] | Type |
|-----|-------------|-------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|------|
| 1 | 0.2283 | 10.10 | 39.43 | 62.51 | 23.08 | 27.21 | 52.51 | 25.30 | L |
| 2 | 0.2872 | 10.10 | 39.82 | 60.60 | 20.78 | 33.53 | 50.60 | 17.07 | L |
| 3 | 0.5166 | 10.10 | 40.63 | 56.00 | 15.37 | 37.16 | 46.00 | 8.84 | L |
| 4 | 1.2004 | 10.10 | 37.81 | 56.00 | 18.19 | 31.27 | 46.00 | 14.73 | L |
| 5 | 3.3200 | 10.10 | 34.37 | 56.00 | 21.63 | 26.43 | 46.00 | 19.57 | L |
| 6 | 14.8401 | 10.11 | 37.87 | 60.00 | 22.13 | 28.52 | 50.00 | 21.48 | L |

Mode:a; Line:Neutral Line



Final Data List

| NO. | Freq. [MHz] | Factor [dB] | QP Value [dBμV] | QP Limit [dBμV] | QP Margin [dB] | AV Value [dBμV] | AV Limit [dBμV] | AV Margin [dB] | Type |
|-----|-------------|-------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|------|
| 1 | 0.1713 | 10.10 | 38.81 | 64.90 | 26.09 | 25.54 | 54.90 | 29.36 | N |
| 2 | 0.2285 | 10.10 | 38.44 | 62.50 | 24.06 | 25.08 | 52.50 | 27.42 | N |
| 3 | 0.5737 | 10.10 | 39.57 | 56.00 | 16.43 | 28.00 | 46.00 | 18.00 | N |
| 4 | 1.0904 | 10.10 | 39.82 | 56.00 | 16.18 | 26.67 | 46.00 | 19.33 | N |
| 5 | 6.9188 | 10.10 | 30.65 | 60.00 | 29.35 | 22.19 | 50.00 | 27.81 | N |
| 6 | 15.2415 | 10.11 | 38.78 | 60.00 | 21.22 | 27.31 | 50.00 | 22.69 | N |

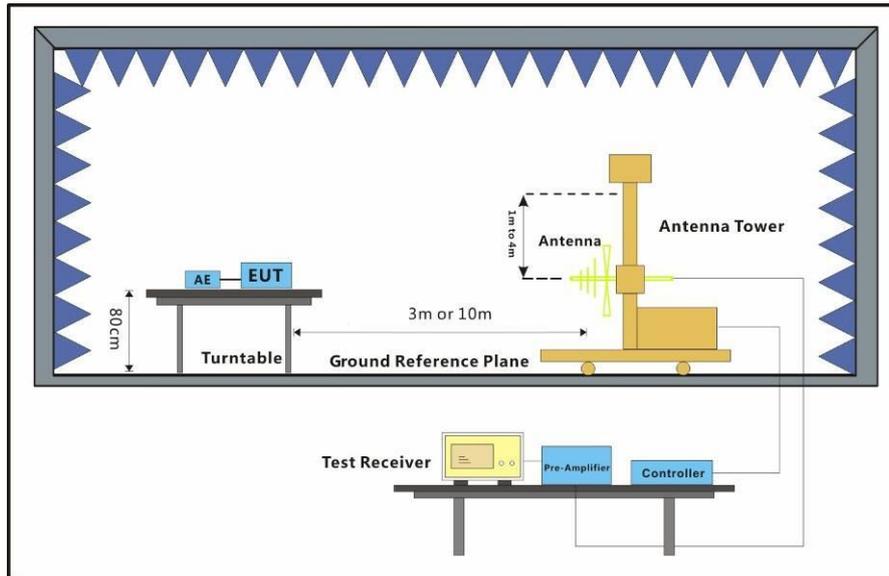
6.2 Radiated Emissions (30MHz-1GHz)

Test Requirement: 47 CFR Part 15, Subpart B
 Test Method: ANSI C63.4:2014
 Frequency Range: 30MHz to 1GHz
 Measurement Distance: 3m
 Limit:
 30MHz -88MHz 40.0(dBμV/m) quasi-peak
 88MHz-216MHz 43.5(dBμV/m) quasi-peak
 216MHz-960MHz 46.0(dBμV/m) quasi-peak
 960MHz-1000MHz 54.0(dBμV/m) quasi-peak
 Detector: Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz

6.2.1 E.U.T. Operation

Operating Environment:
 Temperature: 25 °C Humidity: 66.5 % RH Atmospheric Pressure: 1010 mbar
 Pretest these modes to find the worst case:
 a:GSM850 Idle+BT+WLAN2.4G+GPS Rx+camera (Back)+earphone+EUT1+USB cable+adapter1
 b:GSM1900 Idle+BT+WLAN2.4G+GPS Rx+playing MP4 (SD card)+earphone+EUT1+USB cable+adapter1
 c:WCDMA II Idle+BT+WLAN2.4G+GPS Rx+camera (Front)+earphone+EUT1+USB cable+adapter1
 d:WCDMA IV Idle+BT+WLAN2.4G+GPS Rx+camera (Back)+earphone+EUT1+USB cable+adapter1
 e:WCDMA V Idle+BT+WLAN2.4G+GPS Rx+camera (Back)+earphone+EUT1+USB cable+adapter1
 f:LTE band 2 Idle +BT+FM+ WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
 g:LTE band 4 Idle +BT+FM +WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
 h:LTE band 5 Idle +BT+FM+WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
 i:LTE band 7 Idle +BT+FM+WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
 j:LTE band 38 Idle +BT+FM +WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
 k:LTE band 41 Idle +BT+FM +WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
 l:Transfer data between the EUT1 and the PC+USB cable
 m:GSM1900 Idle+BT+WLAN2.4G+GPS Rx+playing MP4 (SD card)+earphone+EUT1+USB cable+adapter2
 n:Transfer data between the EUT2 and the PC+USB cable
 The worst case for final test: l:Transfer data between the EUT1 and the PC+USB cable

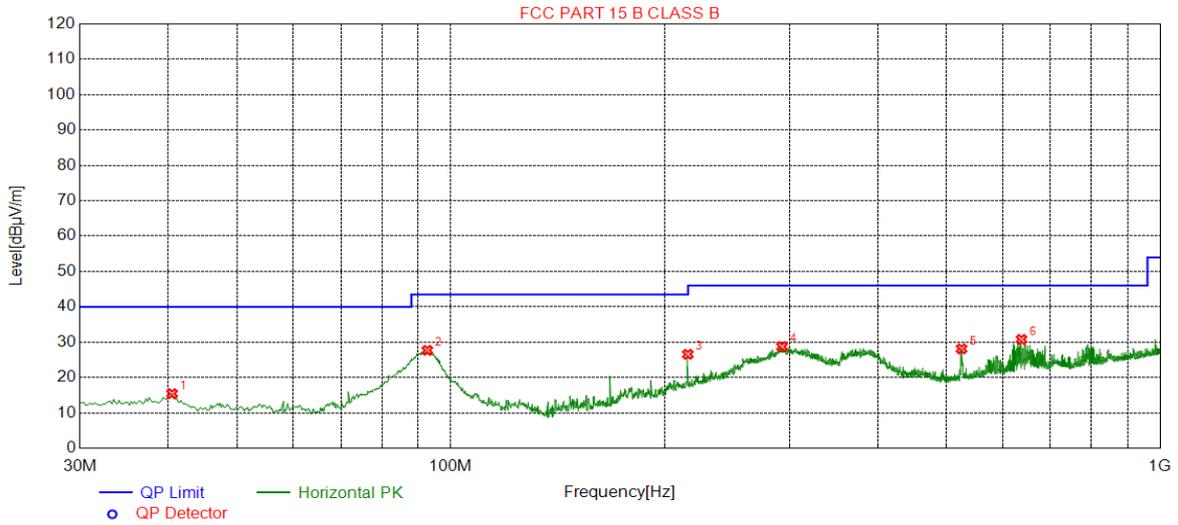
6.2.2 Test Setup Diagram



6.2.3 Measurement Data

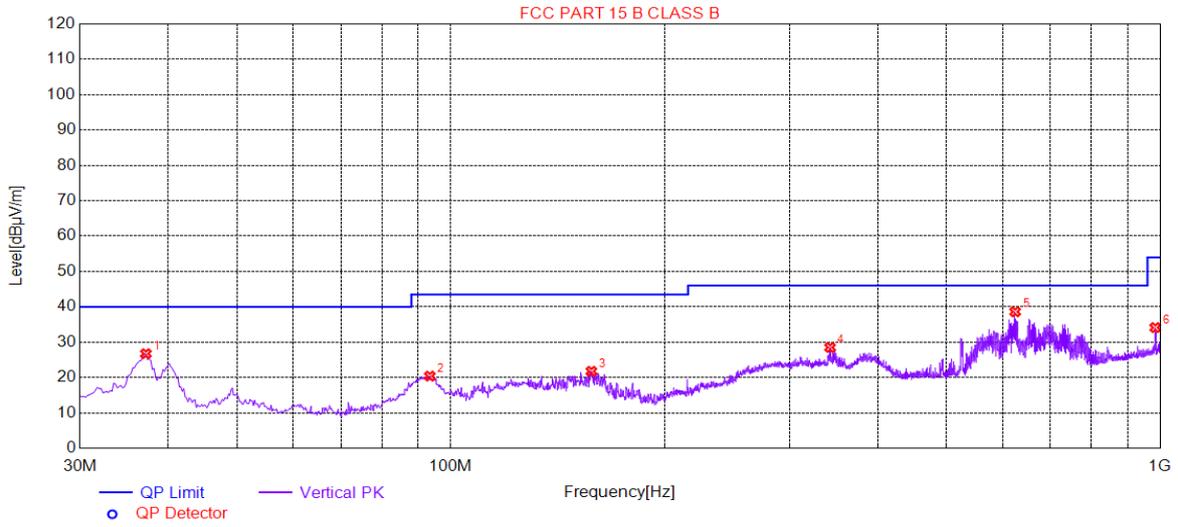
An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

Mode:I; Polarization:Horizontal



| Suspected List | | | | | | | | |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 40.4781 | 15.45 | -28.54 | 40.00 | 24.55 | 210 | 69 | Horizontal |
| 2 | 92.6745 | 27.68 | -33.27 | 43.50 | 15.82 | 172 | 16 | Horizontal |
| 3 | 215.889 | 26.57 | -30.82 | 43.50 | 16.93 | 234 | 32 | Horizontal |
| 4 | 293.116 | 28.74 | -28.53 | 46.00 | 17.26 | 206 | 78 | Horizontal |
| 5 | 524.993 | 28.12 | -22.68 | 46.00 | 17.88 | 216 | 60 | Horizontal |
| 6 | 637.729 | 30.78 | -20.18 | 46.00 | 15.22 | 239 | 22 | Horizontal |

Mode:I; Polarization:Vertical



| Suspected List | | | | | | | | |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 37.1794 | 26.75 | -29.25 | 40.00 | 13.25 | 151 | 14 | Vertical |
| 2 | 93.4507 | 20.40 | -33.14 | 43.50 | 23.10 | 285 | 107 | Vertical |
| 3 | 157.871 | 21.77 | -34.73 | 43.50 | 21.73 | 223 | 350 | Vertical |
| 4 | 342.596 | 28.50 | -27.06 | 46.00 | 17.50 | 231 | 341 | Vertical |
| 5 | 624.728 | 38.60 | -20.33 | 46.00 | 7.40 | 173 | 171 | Vertical |
| 6 | 984.476 | 34.14 | -15.00 | 54.00 | 19.86 | 168 | 14 | Vertical |

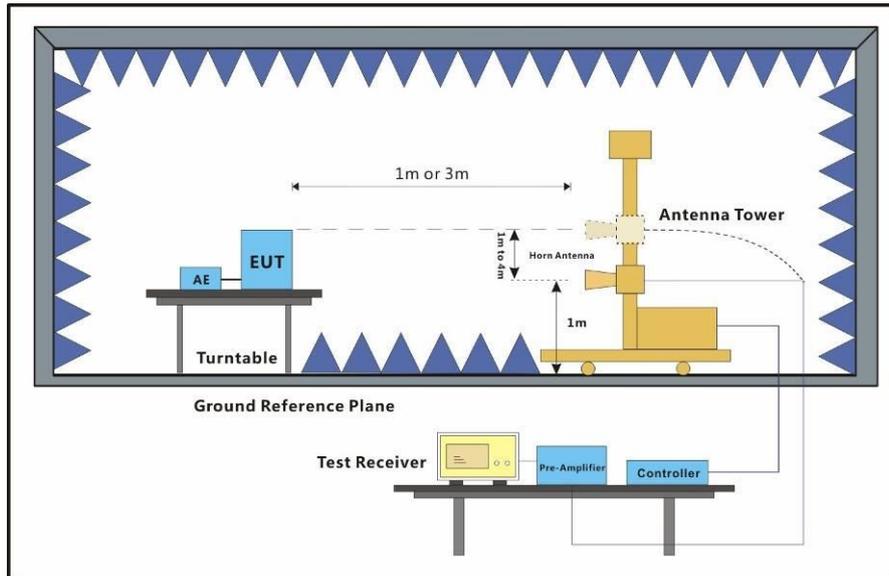
6.3 Radiated Emissions (above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B
 Test Method: ANSI C63.4:2014
 Frequency Range: Above 1GHz
 Measurement Distance: 3m
 Limit:
 Above 1GHz 74(dBµV/m) peak, 54(dBµV/m) average
 Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000M to18000MHZ

6.3.1 E.U.T. Operation

Operating Environment:
 Temperature: 21.7 °C Humidity: 56.4 % RH Atmospheric Pressure: 1010 mbar
 Pretest these modes to find the worst case:
 a:GSM850 Idle+BT+WLAN2.4G+GPS Rx+camera (Back)+earphone+EUT1+USB cable+adapter1
 b:GSM1900 Idle+BT+WLAN2.4G+GPS Rx+playing MP4 (SD card)+earphone+EUT1+USB cable+adapter1
 c:WCDMA II Idle+BT+WLAN2.4G+GPS Rx+camera (Front)+earphone+EUT1+USB cable+adapter1
 d:WCDMA IV Idle+BT+WLAN2.4G+GPS Rx+camera (Back)+earphone+EUT1+USB cable+adapter1
 e:WCDMA V Idle+BT+WLAN2.4G+GPS Rx+camera (Back)+earphone+EUT1+USB cable+adapter1
 f:LTE band 2 Idle +BT+FM+ WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
 g:LTE band 4 Idle +BT+FM +WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
 h:LTE band 5 Idle +BT+FM+WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
 i:LTE band 7 Idle +BT+FM+WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
 j:LTE band 38 Idle +BT+FM +WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
 k:LTE band 41 Idle +BT+FM +WLAN2.4G+GPS Rx+earphone+EUT1+USB cable+adapter1
 l:Transfer data between the EUT1 and the PC+USB cable
 m:GSM1900 Idle+BT+WLAN2.4G+GPS Rx+playing MP4 (SD card)+earphone+EUT1+USB cable+adapter2
 n:Transfer data between the EUT2 and the PC+USB cable
 The worst case for final test: l:Transfer data between the EUT1 and the PC+USB cable

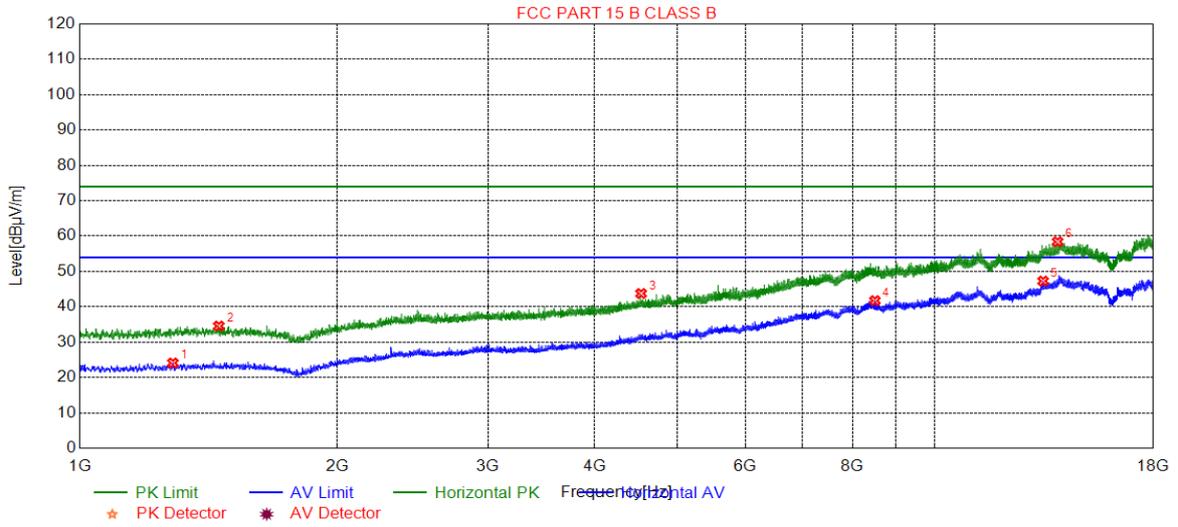
6.3.2 Test Setup Diagram



6.3.3 Measurement Data

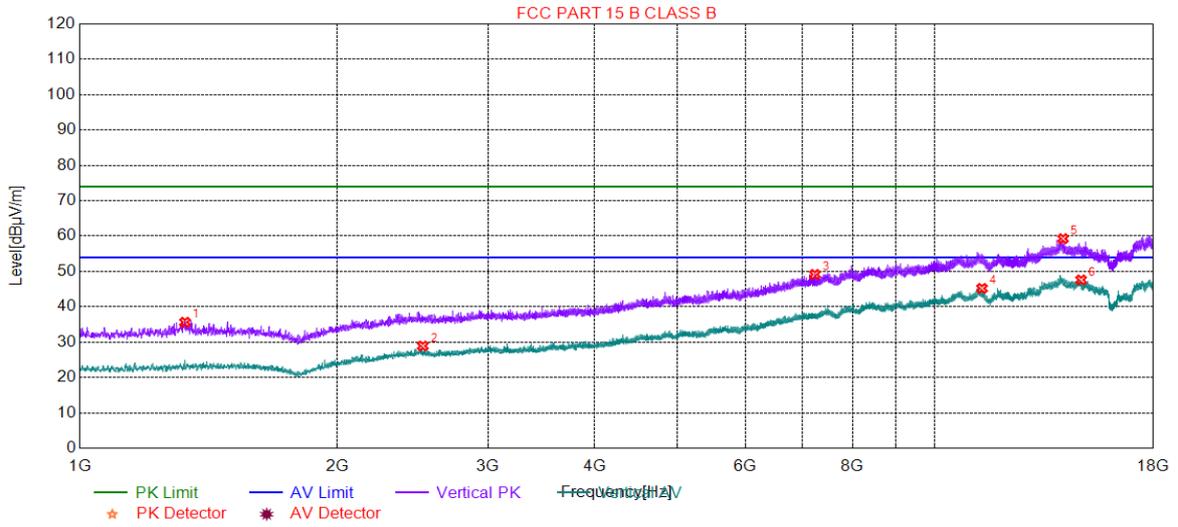
An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.

Mode:I; Polarization:Horizontal



| Suspected List | | | | | | | | |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 1284.76 | 24.12 | -30.84 | 54.00 | 29.88 | 213 | 3 | Horizontal |
| 2 | 1453.92 | 34.57 | -30.37 | 74.00 | 39.43 | 171 | 54 | Horizontal |
| 3 | 4531.07 | 43.77 | -19.20 | 74.00 | 30.23 | 130 | 269 | Horizontal |
| 4 | 8504.17 | 41.75 | -7.58 | 54.00 | 12.25 | 108 | 306 | Horizontal |
| 5 | 13374.0 | 47.27 | 0.25 | 54.00 | 6.73 | 144 | 320 | Horizontal |
| 6 | 13906.1 | 58.40 | 2.17 | 74.00 | 15.60 | 207 | 206 | Horizontal |

Mode:I; Polarization:Vertical



| Suspected List | | | | | | | | |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 1327.26 | 35.64 | -30.63 | 74.00 | 38.36 | 268 | 4 | Vertical |
| 2 | 2517.32 | 28.92 | -25.87 | 54.00 | 25.08 | 285 | 118 | Vertical |
| 3 | 7235.06 | 49.16 | -10.23 | 74.00 | 24.84 | 188 | 4 | Vertical |
| 4 | 11345.0 | 45.22 | -2.72 | 54.00 | 8.78 | 254 | 318 | Vertical |
| 5 | 14111.0 | 59.27 | 2.33 | 74.00 | 14.73 | 172 | 155 | Vertical |
| 6 | 14812.3 | 47.60 | 1.66 | 54.00 | 6.40 | 280 | 356 | Vertical |



7 Photographs

7.1 Conducted Emissions at Mains Terminals (150kHz-30MHz) Test Setup

7.2 Radiated Emissions (30MHz-1GHz) Test Setup

7.3 Radiated Emissions (above 1GHz) Test Setup

7.4 EUT Constructional Details (EUT Photos)

Refer to Photographs of EUT Constructional Details

- End of the Report -