EMC TEST REPORT



Report No.: 17070865-FCC-E-V1

Supersede Report No: N/A

| Applicant | Mobiwire Mobiles (Ningbo) Co.,Ltd | | | |
|---|-----------------------------------|---------------------------|------------------|--|
| Product Name | Mobile phone | | | |
| Model No. | N552 | | | |
| Serial No. | N/A | | | |
| Test Standard | FCC Part 1 | 5 Subpart B Class B:2016, | ANSI C63.4: 2014 | |
| Test Date | September 09 to 18, 2017 | | | |
| Issue Date | September 27, 2017 | | | |
| Test Result | Pass Fail | | | |
| Equipment complied with the specification | | | | |
| Equipment did not comply with the specification | | | | |
| mais. | He | David Huang | | |
| Evans He Test Engineer | | David Huang Checked By | | |

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Test result presented in this test report is applicable to the tested sample only

Issued by:

SIEMIC (SHENZHEN-CHINA) LABORATORIES

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| Country/Region | Scope | |
|----------------|------------------------------------|--|
| USA | EMC, RF/Wireless, SAR, Telecom | |
| Canada | EMC, RF/Wireless, SAR, Telecom | |
| Taiwan | EMC, RF, Telecom, SAR, Safety | |
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1. Report Revision History

| Report No. | Report Version | Description | Issue Date |
|-------------------|----------------|-------------------------|--------------------|
| 17070865-FCC-E | NONE | Original | September 19, 2017 |
| 17070865-FCC-E-V1 | V1 | Updated the GPRS/ EGPRS | 0 |
| 17070005-FCC-E-V1 | | Multi-slot class data | September 27, 2017 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

2. Customer information

| Applicant Name | Mobiwire Mobiles (Ningbo) Co.,Ltd |
|------------------|---|
| Applicant Add | Mobiwire Mobiles,No. 999 Dacheng East Road Fenghua,Zhejiang China |
| Manufacturer | Mobiwire Mobiles (Ningbo) Co.,Ltd |
| Manufacturer Add | Mobiwire Mobiles,No. 999 Dacheng East Road Fenghua,Zhejiang China |

3. Test site information

| Lab performing tests | SIEMIC (Shenzhen-China) LABORATORIES | | |
|----------------------|---|--|--|
| | Zone A, Floor 1, Building 2 Wan Ye Long Technology Park | | |
| Lab Address | South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China | | |
| | 518108 | | |
| FCC Test Site No. | 535293 | | |
| IC Test Site No. | 4842E-1 | | |
| Test Software of | | | |
| Radiated Emission | Radiated Emission Program-To Shenzhen v2.0 | | |
| Test Software of | | | |
| Conducted Emission | EZ-EMC(ver.lcp-03A1) | | |



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4. Equipment under Test (EUT) Information

| Description of EUT: | Mobile phone |
|---------------------|--------------|
| | |

Main Model: N552

Serial Model: N/A

GSM850: -3dBi PCS1900: -1dBi

UMTS-FDD Band V: -3dBi

UMTS-FDD Band II: -0.5dBi Antenna Gain:

LTE Band IV: -2dBi

WIFI: 1dBi

Bluetooth/BLE: 1dBi

GPS: 1dBi

Antenna Type: PIFA antenna

Adapter:

Model: S005UA0500100

Input: AC100-240V~50/60Hz,150mA

Input Power:
Output: DC 5.0V,1000mA

Battery:

Spec: 3.85V, 3000mAh,11.55Wh

Equipment Category: JBP

GSM / GPRS: GMSK EGPRS: GMSK,8PSK UMTS-FDD: QPSK

Type of Modulation: LTE Band: QPSK, 16QAM

802.11b/g/n: DSSS, OFDM

Bluetooth: GFSK, π /4DQPSK, 8DPSK

BLE: GFSK GPS:BPSK

RF Operating Frequency (ies): GSM850 TX: 824.2 ~ 848.8 MHz; RX: 869.2 ~ 893.8 MHz



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PCS1900 TX: 1850.2 ~ 1909.8 MHz; RX: 1930.2 ~ 1989.8 MHz

UMTS-FDD Band V TX: 826.4 ~ 846.6 MHz; RX: 871.4 ~ 891.6 MHz

UMTS-FDD Band II TX:1852.4 ~ 1907.6 MHz;

RX: 1932.4 ~ 1987.6 MHz

LTE Band IV TX: 1710.7 ~ 1754.3 MHz; RX: 2110.7~ 2154.3 MHz

WIFI: 802.11b/g/n(20M): 2412-2462 MHz WIFI: 802.11n(40M): 2422-2452 MHz Bluetooth& BLE: 2402-2480 MHz

GPS: 1575.42 MHz

GSM 850: 124CH PCS1900: 299CH

UMTS-FDD Band V: 102CH
UMTS-FDD Band II: 277CH

Number of Channels: WIFI :802.11b/g/n(20M): 11CH

WIFI:802.11n(40M): 7CH

Bluetooth: 79CH

BLE: 40CH GPS:1CH

Port: USB Port, Earphone Port

Trade Name: NOBLEX

FCC ID: 2ADA4N552

GPRS/ EGPRS Multi-slot class 8/10/11/12

Date EUT received: September 08, 2017

Test Date(s): September 09 to 18, 2017



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5. Test Summary

The product was tested in accordance with the following specifications.

All testing has been performed according to below product classification:

| FCC Rules | Description of Test | Result |
|---------------------------|-----------------------------------|------------|
| §15.107; ANSI C63.4: 2014 | AC Power Line Conducted Emissions | Compliance |
| §15.109; ANSI C63.4: 2014 | Radiated Emissions | Compliance |

Measurement Uncertainty

| Parameter | Uncertainty | |
|-----------------------------------|-------------|--|
| AC Power Line Conducted Emissions | ±3.11dB | |
| (150kHz~30MHz) | | |
| Radiated Emission(30MHz~1GHz) | ±5.12dB | |
| Radiated Emission(1GHz~6GHz) | ±5.34dB | |



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6. Measurements, Examination And Derived Results

6.1 AC Power Line Conducted Emissions

| Temperature | 25 °C | | |
|----------------------|--------------------|--|--|
| Relative Humidity | 50% | | |
| Atmospheric Pressure | 1008mbar | | |
| Test date : | September 08, 2017 | | |
| Tested By : | Evans He | | |

Requirement(s):

| Spec | Item | Requirement Applicable | | | | | | |
|------------|--|--|---------|---------|--|--|--|--|
| 47CFR§15. | a) | For Low-power radio-freconnected to the public voltage that is conducted frequency or frequencied not exceed the limits in [mu] H/50 ohms line implies at the second context of the limit applies at the limit applies at the second context of the limit applies at the limit app | V | | | | | |
| 107 | | Frequency ranges | Limit (| | | | | |
| | | (MHz) | QP | Average | | | | |
| | | 0.15 ~ 0.5 | 66 – 56 | 56 – 46 | | | | |
| | | 0.5 ~ 5 | 56 | 46 | | | | |
| | | 5 ~ 30 | 60 | 50 | | | | |
| Test Setup | Vertical Ground Reference Plane Test Receiver | | | | | | | |
| | | | | | | | | |
| Procedure | The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table. The power supply for the EUT was fed through a 50Ω /50mH EUT LISN, connected to filtered mains. | | | | | | | |



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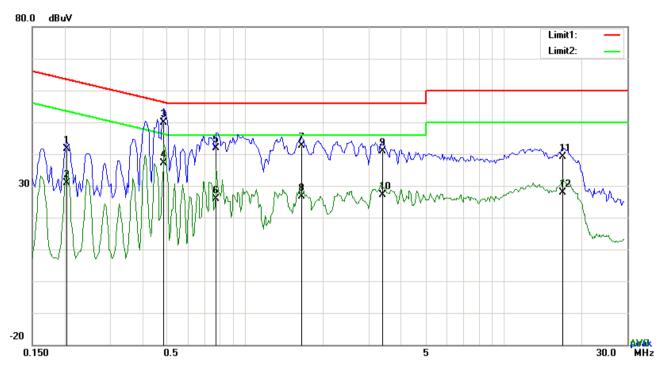
| | 3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss |
|--------|---|
| | coaxial cable. |
| | 4. All other supporting equipment were powered separately from another main supply. |
| | 5. The EUT was switched on and allowed to warm up to its normal operating condition. |
| | 6. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) |
| | over the required frequency range using an EMI test receiver. |
| | 7. High peaks, relative to the limit line, The EMI test receiver was then tuned to the |
| | selected frequencies and the necessary measurements made with a receiver bandwidth |
| | setting of 10 kHz. |
| | 8. Step 7 was then repeated for the LIVE line (for AC mains) or DC line (for DC power). |
| Remark | |
| Result | Pass Fail |
| | |

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



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Test Mode : USB Mode



Test Data

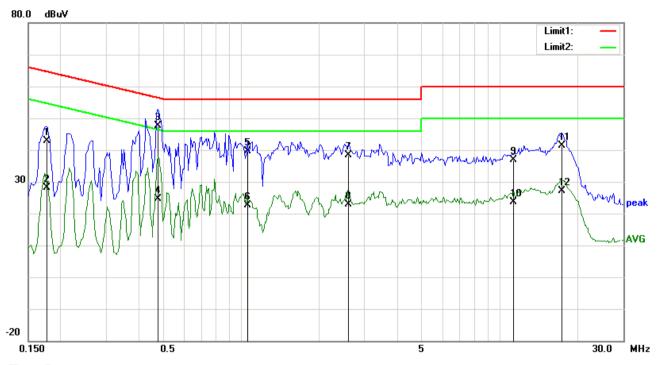
Phase Line Plot at 120Vac, 60Hz

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit | Margin |
|-----|-----|-----------|---------|----------|-----------|--------|--------|--------|
| | | (MHz) | (dBuV) | | (dB) | (dBuV) | (dBuV) | (dB) |
| 1 | L1 | 0.2046 | 31.57 | QP | 10.03 | 41.60 | 63.42 | -21.82 |
| 2 | L1 | 0.2046 | 20.85 | AVG | 10.03 | 30.88 | 53.42 | -22.54 |
| 3 | L1 | 0.4854 | 39.75 | QP | 10.03 | 49.78 | 56.25 | -6.47 |
| 4 | L1 | 0.4854 | 27.22 | AVG | 10.03 | 37.25 | 46.25 | -9.00 |
| 5 | L1 | 0.7740 | 31.73 | QP | 10.03 | 41.76 | 56.00 | -14.24 |
| 6 | L1 | 0.7740 | 15.76 | AVG | 10.03 | 25.79 | 46.00 | -20.21 |
| 7 | L1 | 1.6515 | 32.69 | QP | 10.04 | 42.73 | 56.00 | -13.27 |
| 8 | L1 | 1.6515 | 16.48 | AVG | 10.04 | 26.52 | 46.00 | -19.48 |
| 9 | L1 | 3.3900 | 30.70 | QP | 10.06 | 40.76 | 56.00 | -15.24 |
| 10 | L1 | 3.3900 | 17.12 | AVG | 10.06 | 27.18 | 46.00 | -18.82 |
| 11 | L1 | 16.8450 | 28.98 | QP | 10.25 | 39.23 | 60.00 | -20.77 |
| 12 | L1 | 16.8450 | 17.73 | AVG | 10.25 | 27.98 | 50.00 | -22.02 |



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| Test Mode: USB Mode |
|---------------------|
|---------------------|



Test Data

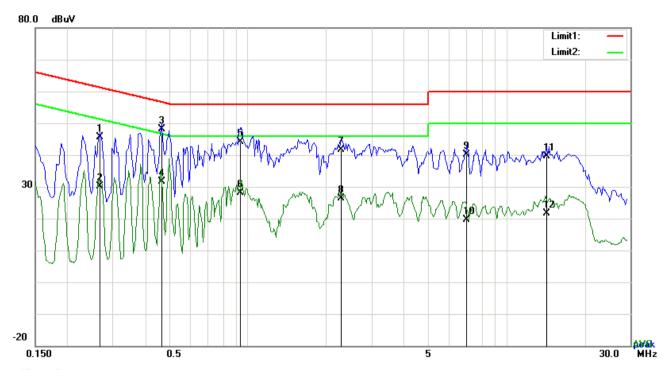
Phase Neutral Plot at 120Vac, 60Hz

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit | Margin |
|-----|-----|-----------|---------|----------|-----------|--------|--------|--------|
| | | (MHz) | (dBuV) | | (dB} | (dBuV) | (dBuV) | (dB) |
| 1 | N | 0.1773 | 32.74 | QP | 10.02 | 42.76 | 64.61 | -21.85 |
| 2 | Ν | 0.1773 | 18.12 | AVG | 10.02 | 28.14 | 54.61 | -26.47 |
| 3 | Ν | 0.4776 | 37.64 | QP | 10.02 | 47.66 | 56.38 | -8.72 |
| 4 | N | 0.4776 | 14.49 | AVG | 10.02 | 24.51 | 46.38 | -21.87 |
| 5 | N | 1.0548 | 29.61 | QP | 10.03 | 39.64 | 56.00 | -16.36 |
| 6 | N | 1.0548 | 12.55 | AVG | 10.03 | 22.58 | 46.00 | -23.42 |
| 7 | N | 2.5992 | 28.23 | QP | 10.05 | 38.28 | 56.00 | -17.72 |
| 8 | N | 2.5992 | 12.86 | AVG | 10.05 | 22.91 | 46.00 | -23.09 |
| 9 | N | 11.2572 | 26.70 | QP | 10.16 | 36.86 | 60.00 | -23.14 |
| 10 | N | 11.2572 | 13.40 | AVG | 10.16 | 23.56 | 50.00 | -26.44 |
| 11 | N | 17.4222 | 31.09 | QP | 10.23 | 41.32 | 60.00 | -18.68 |
| 12 | N | 17.4222 | 16.97 | AVG | 10.23 | 27.20 | 50.00 | -22.80 |



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Test Mode : USB Mode



Test Data

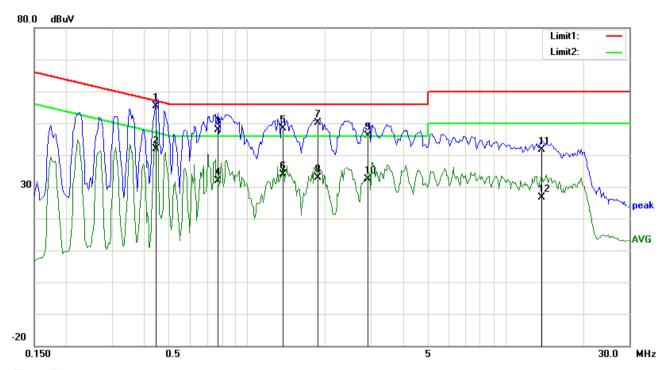
Phase Line Plot at 240Vac, 60Hz

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit | Margin |
|-----|-----|-----------|---------|----------|-----------|--------|--------|--------|
| | | (MHz) | (dBuV) | | (dB) | (dBuV) | (dBuV) | (dB) |
| 1 | L1 | 0.2670 | 35.56 | QP | 10.03 | 45.59 | 61.21 | -15.62 |
| 2 | L1 | 0.2670 | 20.01 | AVG | 10.03 | 30.04 | 51.21 | -21.17 |
| 3 | L1 | 0.4620 | 38.03 | QP | 10.03 | 48.06 | 56.66 | -8.60 |
| 4 | L1 | 0.4620 | 21.54 | AVG | 10.03 | 31.57 | 46.66 | -15.09 |
| 5 | L1 | 0.9378 | 34.20 | QP | 10.03 | 44.23 | 56.00 | -11.77 |
| 6 | L1 | 0.9378 | 18.01 | AVG | 10.03 | 28.04 | 46.00 | -17.96 |
| 7 | L1 | 2.2950 | 31.57 | QP | 10.05 | 41.62 | 56.00 | -14.38 |
| 8 | L1 | 2.2950 | 16.24 | AVG | 10.05 | 26.29 | 46.00 | -19.71 |
| 9 | L1 | 7.0053 | 30.13 | QP | 10.11 | 40.24 | 60.00 | -19.76 |
| 10 | L1 | 7.0053 | 9.42 | AVG | 10.11 | 19.53 | 50.00 | -30.47 |
| 11 | L1 | 14.2320 | 29.36 | QP | 10.21 | 39.57 | 60.00 | -20.43 |
| 12 | L1 | 14.2320 | 11.41 | AVG | 10.21 | 21.62 | 50.00 | -28.38 |



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Test Mode : USB Mode



Test Data

Phase Neutral Plot at 240Vac, 60Hz

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit | Margin |
|-----|-----|-----------|---------|----------|-----------|--------|--------|--------|
| | | (MHz) | (dBuV) | | (dB) | (dBuV) | (dBuV) | (dB) |
| 1 | N | 0.4464 | 45.25 | QP | 10.02 | 55.27 | 56.94 | -1.67 |
| 2 | N | 0.4464 | 31.93 | AVG | 10.02 | 41.95 | 46.94 | -4.99 |
| 3 | N | 0.7701 | 37.96 | QP | 10.03 | 47.99 | 56.00 | -8.01 |
| 4 | N | 0.7701 | 21.85 | AVG | 10.03 | 31.88 | 46.00 | -14.12 |
| 5 | N | 1.3785 | 38.32 | QP | 10.03 | 48.35 | 56.00 | -7.65 |
| 6 | N | 1.3785 | 23.84 | AVG | 10.03 | 33.87 | 46.00 | -12.13 |
| 7 | N | 1.8855 | 40.01 | QP | 10.04 | 50.05 | 56.00 | -5.95 |
| 8 | N | 1.8855 | 22.87 | AVG | 10.04 | 32.91 | 46.00 | -13.09 |
| 9 | N | 2.9424 | 36.16 | QP | 10.05 | 46.21 | 56.00 | -9.79 |
| 10 | N | 2.9424 | 22.30 | AVG | 10.05 | 32.35 | 46.00 | -13.65 |
| 11 | N | 13.7601 | 31.56 | QP | 10.19 | 41.75 | 60.00 | -18.25 |
| 12 | N | 13.7601 | 16.38 | AVG | 10.19 | 26.57 | 50.00 | -23.43 |



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6.2 Radiated Emissions

| Temperature | 25 °C |
|----------------------|--------------------|
| Relative Humidity | 51% |
| Atmospheric Pressure | 1020mbar |
| Test date : | September 14, 2017 |
| Tested By : | Evans He |

Requirement(s):

| Spec | Item | Requirement Applicable | | | | |
|---------------------|--|--|------------|--|--|--|
| 47CFR§15. 109(d) | a) | Except higher limit as specified else emissions from the low-power radio exceed the field strength levels spet the level of any unwanted emission the fundamental emission. The tight edges Frequency range (MHz) | Y | | | |
| | | 30 - 88 | 100 | | | |
| | | 88 - 216 | 150 | | | |
| | | 216 - 960 Above 960 | 200 500 | | | |
| Test Setup | Ant. Tower Support Units Turn Table Ground Plane Test Receiver | | | | | |
| Procedure | The EUT was switched on and allowed to warm up to its normal operating condition. The test was carried out at the selected frequency points obtained from the EUT characterization. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner: Vertical or horizontal polarization (whichever gave the higher emission level | | | | | |



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| | | over a full rotation of the EUT) was chosen. |
|-----------|------------|---|
| | b. | The EUT was then rotated to the direction that gave the maximum |
| | | emission. |
| | C. | Finally, the antenna height was adjusted to the height that gave the maximum |
| | | emission. |
| | 3. The | e resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is |
| | 120 | kHz for Quasiy Peak detection at frequency below 1GHz. |
| | 4. The | resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video |
| | bar | ndwidth is 3MHz with Peak detection for Peak measurement at frequency above |
| | 1G | Hz. |
| | Th | ne resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video |
| | ba | andwidth with Peak detection for Average Measurement as below at frequency |
| | ab | ove 1GHz. |
| | - | 1 kHz (Duty cycle < 98%) □ 10 Hz (Duty cycle > 98%) |
| | 5. Ste | ps 2 and 3 were repeated for the next frequency point, until all selected frequency |
| | poi | nts were measured. |
| Remark | | |
| Remark | | |
| Result | Pass | Fail |
| | | |
| | 1 | F |
| Test Data | Yes | N/A |
| Test Plot | Yes (See b | pelow) |



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Test Mode : USB Mode

Below 1GHz



Test Data

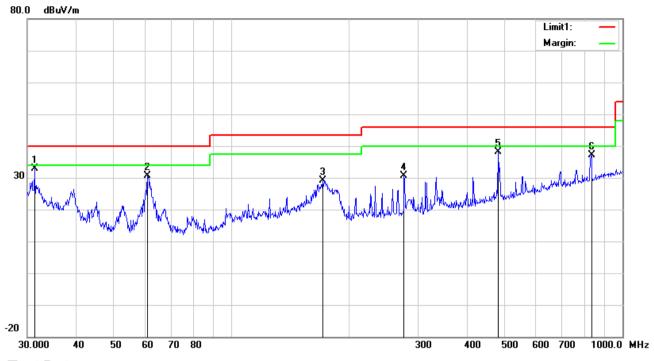
Horizontal Polarity Plot @3m

| No. | P/L | Frequency | Reading | Detector | Ant_F | PA_G | Cab_L | Result | Limit | Margin | Height | Degree |
|-----|-----|-----------|----------|----------|--------|-------|-------|----------|--------------|--------|--------|--------|
| | | (MHz) | (dBuV/m) | | (dB/m) | (dB) | (dB) | (dBuV/m) | (dBuV/ m) | (dB) | (cm) | () |
| 1 | Η | 60.9176 | 37.42 | peak | 7.35 | 22.41 | 0.77 | 23.13 | 40.00 | -16.87 | 100 | 162 |
| 2 | Η | 184.4898 | 42.73 | peak | 11.25 | 22.28 | 1.44 | 33.14 | 43.50 | -10.36 | 100 | 285 |
| 3 | Н | 233.3487 | 39.72 | peak | 11.63 | 22.32 | 1.65 | 30.68 | 46.00 | -15.32 | 200 | 328 |
| 4 | Н | 283.9792 | 41.74 | peak | 12.90 | 22.29 | 1.76 | 34.11 | 46.00 | -11.89 | 100 | 91 |
| 5 | Н | 332.5187 | 35.37 | peak | 14.28 | 22.20 | 1.95 | 29.40 | 46.00 | -16.60 | 100 | 27 |
| 6 | Н | 480.5276 | 44.38 | QP | 17.31 | 21.85 | 2.31 | 42.15 | 46.00 | -3.85 | 100 | 247 |



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Below 1GHz



Test Data

Vertical Polarity Plot @3m

| No. | P/L | Frequency | Reading | Detector | Ant_F | PA_G | Cab_L | Result | Limit | Margin | Height | Degree |
|-----|-----|-----------|----------|----------|--------|-------|-------|----------|--------------|--------|--------|--------|
| | | (MHz) | (dBuV/m) | | (dB/m) | (dB) | (dB) | (dBuV/m) | (dBuV/ m) | (dB) | (cm) | () |
| 1 | ٧ | 31.2893 | 33.98 | peak | 20.41 | 22.27 | 0.66 | 32.78 | 40.00 | -7.22 | 100 | 215 |
| 2 | > | 60.9176 | 44.81 | peak | 7.35 | 22.41 | 0.77 | 30.52 | 40.00 | -9.48 | 200 | 162 |
| 3 | V | 170.7926 | 38.33 | peak | 11.74 | 22.26 | 1.36 | 29.17 | 43.50 | -14.33 | 100 | 276 |
| 4 | V | 276.1236 | 38.67 | peak | 12.55 | 22.29 | 1.75 | 30.68 | 46.00 | -15.32 | 100 | 60 |
| 5 | ٧ | 480.5276 | 40.34 | peak | 17.31 | 21.85 | 2.31 | 38.11 | 46.00 | -7.89 | 100 | 63 |
| 6 | V | 833.3171 | 33.57 | peak | 21.77 | 21.06 | 2.90 | 37.18 | 46.00 | -8.82 | 100 | 266 |



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Above 1GHz

| Frequency | Read_level | A | Height | Polarity | Level | Factors | Limit | Margin | Detector |
|-----------|------------|---------|--------|----------|----------|---------|----------|--------|----------|
| (MHz) | (dBµV/m) | Azimuth | (cm) | (H/V) | (dBµV/m) | (dB) | (dBµV/m) | (dB) | (PK/AV) |
| 1159.2 | 63.28 | 154 | 100 | V | -20.02 | 43.26 | 74 | -30.74 | PK |
| 1647.5 | 62.18 | 132 | 100 | V | -17.51 | 44.67 | 74 | -29.33 | PK |
| 2136.8 | 60.55 | 205 | 100 | V | -14.64 | 45.91 | 74 | -28.09 | PK |
| 1420.5 | 67.18 | 136 | 100 | Н | -18.95 | 48.23 | 74 | -25.77 | PK |
| 1864.9 | 63.49 | 28 | 100 | Н | -15.98 | 47.51 | 74 | -26.49 | PK |
| 2531.8 | 56.95 | 314 | 100 | Н | -13.7 | 43.25 | 74 | -30.75 | PK |

Note1: The highest frequency of the EUT is 2480 MHz, so the testing has been conformed to 5*2480MHz=12,400MHz.

Note 2: The frequency that above 3GHz is mainly from the environment noise.

Note3: The AV measurement performed, more than 20dB below limit so AV test data was not presented.



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Annex A. TEST INSTRUMENT

| Instrument | Model | Serial # | Cal Date | Cal Due | In use | | | |
|---|-----------------------------|------------|------------|------------|---------------|--|--|--|
| AC Line Conducted Emis | AC Line Conducted Emissions | | | | | | | |
| EMI test receiver | ESCS30 | 8471241027 | 09/16/2016 | 09/15/2017 | < | | | |
| Line Impedance Stabilization Network | LI-125A | 191106 | 09/24/2016 | 09/23/2017 | Z | | | |
| Line Impedance Stabilization Network | LI-125A | 191107 | 09/24/2016 | 09/23/2017 | \ | | | |
| ISN | ISN T800 | 34373 | 09/24/2016 | 09/23/2017 | | | | |
| Transient Limiter | LIT-153 | 531118 | 08/30/2017 | 08/29/2018 | < | | | |
| Radiated Emissions | | | | | | | | |
| EMI test receiver | ESL6 | 100262 | 09/16/2016 | 09/15/2017 | < | | | |
| OPT 010 AMPLIFIER (0.1-1300MHz) | 8447E | 2727A02430 | 08/30/2017 | 08/29/2018 | • | | | |
| Microwave Preamplifier (1 ~ 26.5GHz) | 8449B | 3008A02402 | 03/23/2017 | 03/22/2018 | > | | | |
| Bilog Antenna (30MHz~6GHz) | JB6 | A110712 | 09/20/2016 | 09/19/2017 | (| | | |
| Double Ridge Horn Antenna | AH-118 | 71259 | 09/23/2016 | 09/22/2017 | \(\z\) | | | |



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Annex B. EUT And Test Setup Photographs

Annex B.i. Photograph: EUT External Photo





Adapter - Lable View





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EUT - Front View



EUT - Rear View



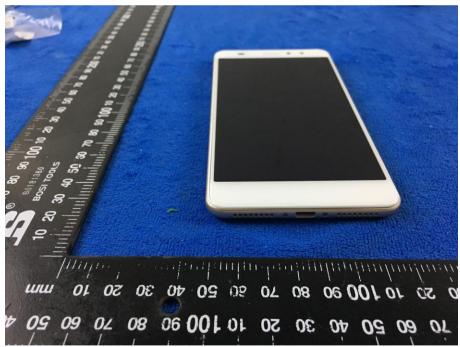


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EUT - Top View



EUT - Bottom View





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EUT - Left View



EUT - Right View





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Annex B.ii. Photograph: EUT Internal Photo

Cover Off - Top View 1



Cover Off - Top View 2



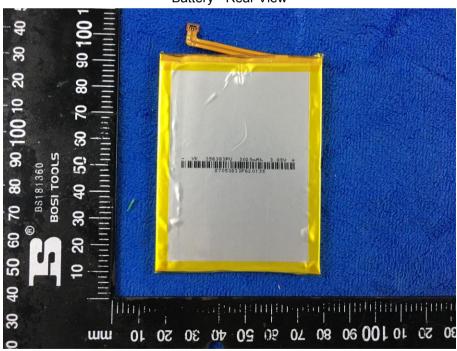


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Battery - Front View



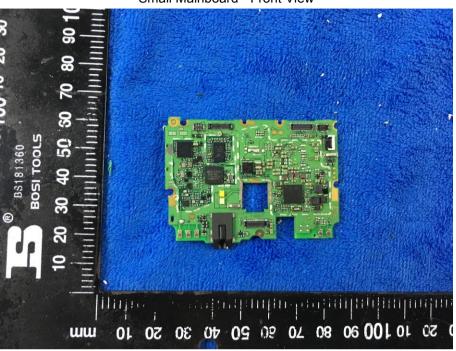
Battery - Rear View



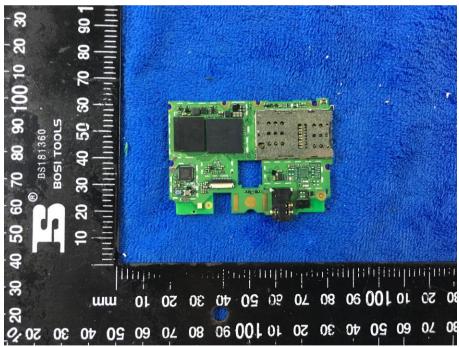


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Small Mainboard - Front View



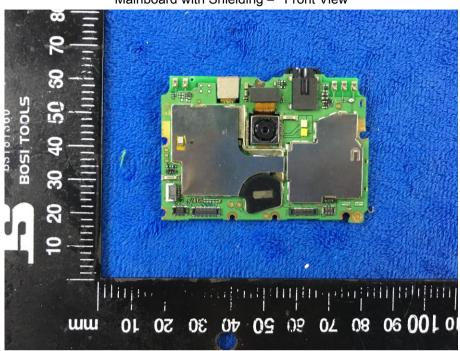
Small Mainboard - Rear View



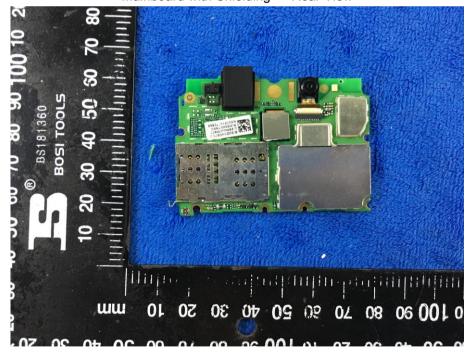


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Mainboard with Shielding - Front View



Mainboard with Shielding - Rear View





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LCD - Front View



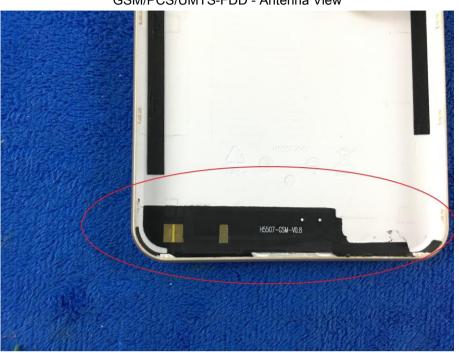
LCD - Rear View



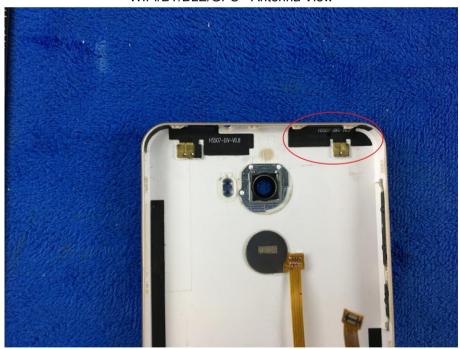


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GSM/PCS/UMTS-FDD - Antenna View



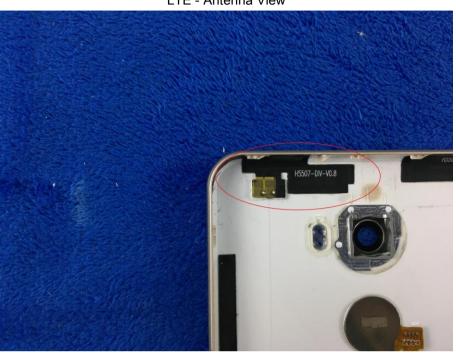
WIFI/BT/BLE/GPS - Antenna View





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LTE - Antenna View



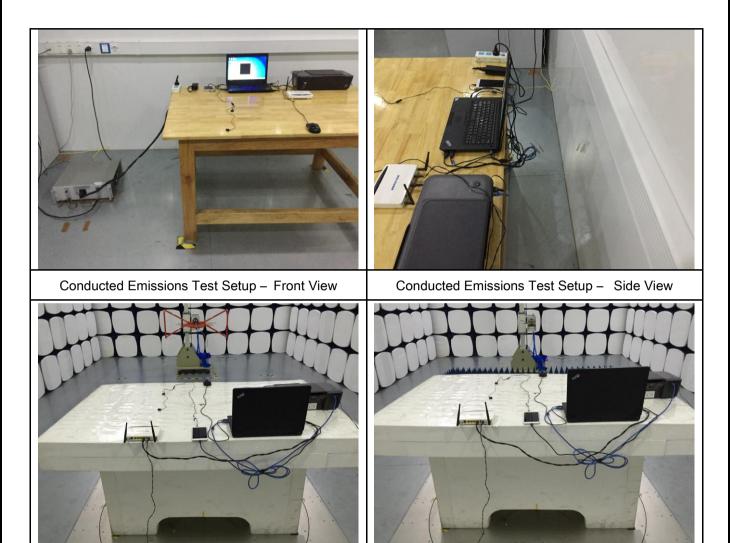


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Radiated Emissions Test Setup Above 1GHz

Annex B.iii. Photograph: Test Setup Photo

Radiated Emissions Test Setup Below 1GHz

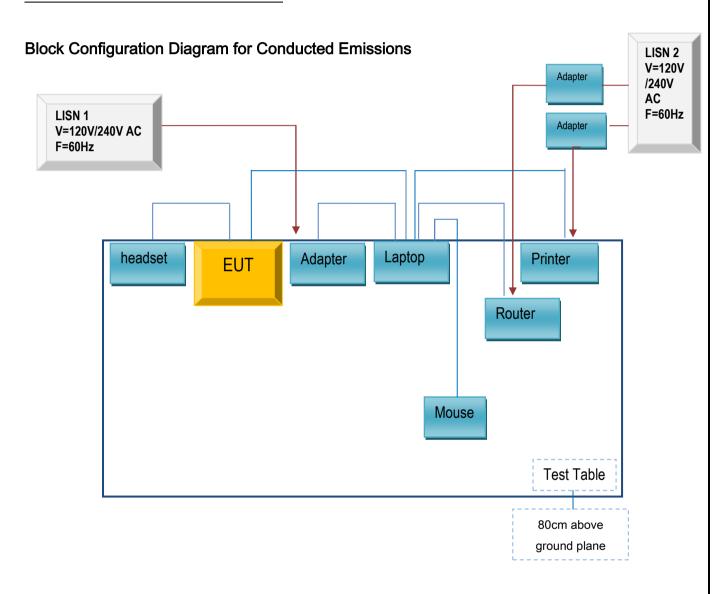




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Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

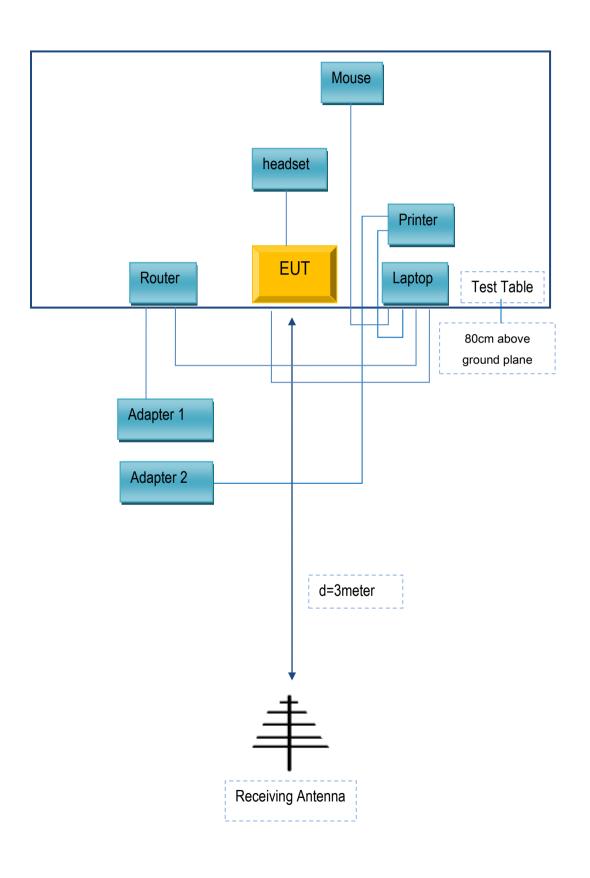
Annex C.ii. TEST SET UP BLOCK





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Block Configuration Diagram for Radiated Emissions





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Annex C. il. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

Supporting Equipment:

| Manufacturer | Equipment Description | Model | Serial No |
|-----------------------------------|--------------------------|------------|---------------|
| Lenovo | Laptop | E40 | LR-1EHRX |
| GOLDWEB | Router | R102 | 1202032094 |
| Lenovo | AC Adapter | 42T4416 | 21D9JU |
| HP | Printer | VCVRA-1003 | CN36M19JWX |
| DELL | Mouse | E100 | 912NMTUT41481 |
| BULL | Socket | GN-403 | GN201203 |
| Mobiwire Mobiles (Ningbo) Co.,Ltd | headset | N552 | N/A |

Supporting Cable:

| Cable type | Shield Type | Ferrite Core | Length | Serial No |
|---------------------|--------------|--------------|--------|--------------|
| USB Cable | Un-shielding | No | 2m | JX120051274 |
| USB Cable | Un-shielding | No | 2m | CBA3000AH0C1 |
| RJ45 Cable | Un-shielding | No | 2m | KX156327541 |
| Router Power cable | Un-shielding | No | 2m | 13274630Z |
| Printer Power cable | Un-shielding | No | 2m | 127581031 |
| Power Cable | Un-shielding | No | 0.8m | GT211032 |
| Earphone Cables | Un-shielding | No | 0.5m | N/A |



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

Please see the attachment



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Annex E. DECLARATION OF SIMILARITY

N/A