# EMC TEST REPORT



Report No.: 17070655-FCC-E
Supersede Report No: N/A

| Applicant                                       | SHENZHEN KENXINDA TECHNOLOGY CO.,LTD |                                 |                 |  |
|---|--------------------------------------|---------------------------------|-----------------|--|
| Product Name                                    | Mobile Phone                         |                                 |                 |  |
| Model No.                                       | K6900                                |                                 |                 |  |
| Serial No.                                      | N/A                                  |                                 |                 |  |
| Test Standard                                   | FCC Part 1                           | 5 Subpart B Class B:2016, A     | NSI C63.4: 2014 |  |
| Test Date                                       | August 23                            | August 23 to September 10, 2017 |                 |  |
| Issue Date                                      | September 11, 2017                   |                                 |                 |  |
| Test Result                                     | Pass Fail                            |                                 |                 |  |
| Equipment complied with the specification       |                                      |                                 |                 |  |
| Equipment did not comply with the specification |                                      |                                 |                 |  |
| mas. He   |                                      | David Huang                     |                 |  |
| Evans He<br>Test Engineer                       |                                      | David Huang<br>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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# **Laboratories Introduction**

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.



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## **Accreditations for Conformity Assessment**

| Country/Region | Scope                              |
|----------------|------------------------------------|
| USA            | EMC, RF/Wireless, SAR, Telecom     |
| Canada         | EMC, RF/Wireless, SAR, Telecom     |
| Taiwan         | EMC, RF, Telecom, SAR, Safety      |
| Hong Kong      | RF/Wireless, SAR, Telecom          |
| Australia      | EMC, RF, Telecom, SAR, Safety      |
| Korea          | EMI, EMS, RF, SAR, Telecom, Safety |
| Japan          | EMI, RF/Wireless, SAR, Telecom     |
| Singapore      | EMC, RF, SAR, Telecom              |
| Europe         | EMC, RF, SAR, Telecom, Safety      |



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# 1. Report Revision History

| Report No.     | Report Version | Description | Issue Date         |
|----------------|----------------|-------------|--------------------|
| 17070655-FCC-E | NONE           | Original    | September 11, 2017 |
|                |                |             |                    |
|                |                |             |                    |
|                |                |             |                    |
|                |                |             |                    |
|                |                |             |                    |
|                |                |             |                    |

# 2. Customer information

| Applicant Name   | SHENZHEN KENXINDA TECHNOLOGY CO.,LTD           |  |
|------------------|--|--|
| Applicant Add    | 18TH FLOOR, FUCHUN ORIENT BUILDING, SHENNAN AV |  |
|                  | 7006,SHENZHEN,CHINA                            |  |
| Manufacturer     | SHENZHEN KENXINDA TECHNOLOGY CO.,LTD           |  |
| Manufacturer Add | 18TH FLOOR,FUCHUN ORIENT BUILDING,SHENNAN AV   |  |
|                  | 7006,SHENZHEN,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     | Dedicted Engineers Drawners To Chamban v2 0                             |  |
| Radiated Emission    | Radiated Emission Program-To Shenzhen v2.0                              |  |
| Test Software of     | E7 FMC(ver len 0244)  |  |
| Conducted Emission   | EZ-EMC(ver.lcp-03A1)  |  |



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# 4. Equipment under Test (EUT) Information

| т.    | Equipment under            | 1 Cot (LOT) Information   |
|-------|----------------------------|---|
| Des   | cription of EUT:           | Mobile Phone  |
| Mair  | n Model:                   | K6900   |
| Seria | al Model:                  | N/A   |
| Ante  | enna Gain:                 | GSM850: 0.5dBi<br>PCS1900: 0.8dBi<br>Bluetooth:1.0dBi   |
| Ante  | enna Type:                 | BT: Monopole antenna GSM: PIFA antenna  |
| Inpu  | t Power:                   | Adapter: Model: HWT-2.5W-5050G Input: AC100-240V~50/60Hz,100mA Output: DC 5.0V,500mA Battery: Spec: 3.7V, 2000mAh, 7.4Wh                    |
| Equi  | ipment Category :          | JBP   |
| Туре  | e of Modulation:           | GSM / GPRS: GMSK<br>Bluetooth: GFSK, π /4DQPSK, 8DPSK   |
| RF (  | Operating Frequency (ies): | GSM850 TX: 824.2 ~ 848.8 MHz; RX: 869.2 ~ 893.8 MHz<br>PCS1900 TX: 1850.2 ~ 1909.8 MHz; RX: 1930.2 ~ 1989.8 MHz<br>Bluetooth: 2402-2480 MHz |
| Num   | nber of Channels:          | GSM 850: 124CH<br>PCS1900: 299CH<br>Bluetooth: 79CH   |
| Port  | :                          | USB Port, Earphone Port   |

Kenxinda

Trade Name:



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FCC ID: ZSHK6900

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

Date EUT received: August 22, 2017

Test Date(s): August 23 to September 10, 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    | 57%             |  |  |
| Atmospheric Pressure | 1024mbar        |  |  |
| Test date :          | August 24, 2017 |  |  |
| Tested By :          | Evans He        |  |  |

#### Requirement(s):

| Spec       | Item   | Requirement Appl   |                             |               |  |  |  |
|------------|--|--|-----------------------------|---------------|--|--|--|
| 47CFR§15.  | a)   | For Low-power radio-fr<br>connected to the public<br>voltage that is conducte<br>frequency or frequencie<br>not exceed the limits in<br>[mu] H/50 ohms line im | <b>\</b>                    |               |  |  |  |
| 107        |  | lower limit applies at th  | Limit (                     |               |  |  |  |
|            |  | (MHz)  | QP                          | Average       |  |  |  |
|            |  | 0.15 ~ 0.5   | 66 – 56                     | 56 – 46       |  |  |  |
|            |  | 0.5 ~ 5  | 56                          | 46            |  |  |  |
|            |  | 5 ~ 30   | 60                          | 50            |  |  |  |
| Test Setup |  |  | scal Ground<br>brence Plane | Test Receiver |  |  |  |
|            |  |  |                             |               |  |  |  |
| Procedure  | <ol> <li>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.</li> <li>The power supply for the EUT was fed through a 50Ω /50mH EUT LISN, connected to filtered mains.</li> </ol> |  |                             |               |  |  |  |



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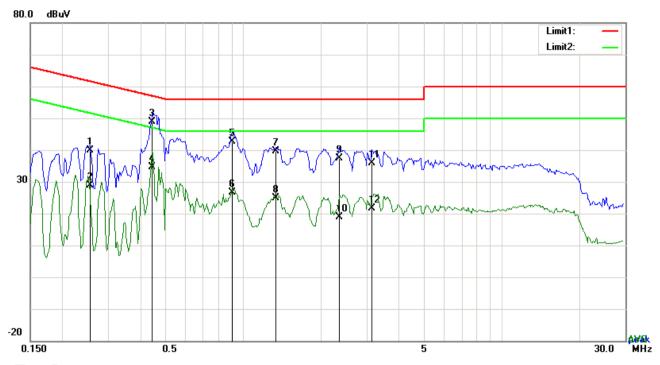
|        | 3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss     |  |  |  |  |
|--------|---|--|--|--|--|
|        | coaxial cable.  |  |  |  |  |
|        | All other supporting equipment were powered separately from another main supply.        |  |  |  |  |
|        | 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 bandwic        |  |  |  |  |
|        | setting of 10 kHz.  |  |  |  |  |
|        | 3. 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             | □ <sub>N/A</sub> |
|-----------|-----------------|------------------|
| Test Plot | Yes (See below) | □ <sub>N/A</sub> |



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Test Mode: USB Mode



#### Test Data

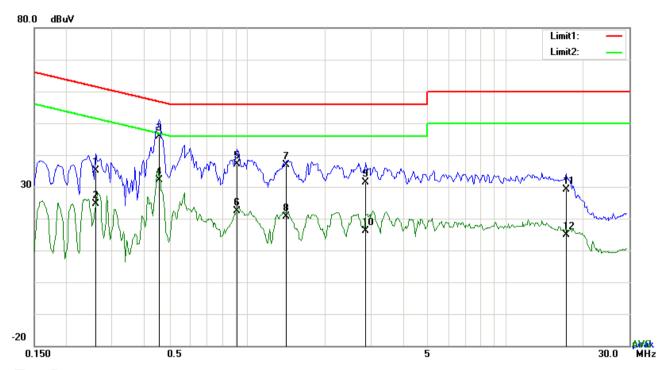
## Phase Line Plot at 120Vac, 60Hz

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit  | Margin |
|-----|-----|-----------|---------|----------|-----------|--------|--------|--------|
|     |     | (MHz)     | (dBuV)  |          | (dB)      | (dBuV) | (dBuV) | (dB)   |
| 1   | L1  | 0.2553    | 29.96   | QP       | 10.03     | 39.99  | 61.58  | -21.59 |
| 2   | L1  | 0.2553    | 18.89   | AVG      | 10.03     | 28.92  | 51.58  | -22.66 |
| 3   | L1  | 0.4464    | 38.95   | QP       | 10.03     | 48.98  | 56.94  | -7.96  |
| 4   | L1  | 0.4464    | 24.67   | AVG      | 10.03     | 34.70  | 46.94  | -12.24 |
| 5   | L1  | 0.9066    | 32.52   | QP       | 10.03     | 42.55  | 56.00  | -13.45 |
| 6   | L1  | 0.9066    | 16.70   | AVG      | 10.03     | 26.73  | 46.00  | -19.27 |
| 7   | L1  | 1.3434    | 29.72   | QP       | 10.03     | 39.75  | 56.00  | -16.25 |
| 8   | L1  | 1.3434    | 14.74   | AVG      | 10.03     | 24.77  | 46.00  | -21.23 |
| 9   | L1  | 2.3496    | 27.24   | QP       | 10.05     | 37.29  | 56.00  | -18.71 |
| 10  | L1  | 2.3496    | 8.89    | AVG      | 10.05     | 18.94  | 46.00  | -27.06 |
| 11  | L1  | 3.1404    | 25.94   | QP       | 10.06     | 36.00  | 56.00  | -20.00 |
| 12  | L1  | 3.1404    | 11.46   | AVG      | 10.06     | 21.52  | 46.00  | -24.48 |



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



#### Test Data

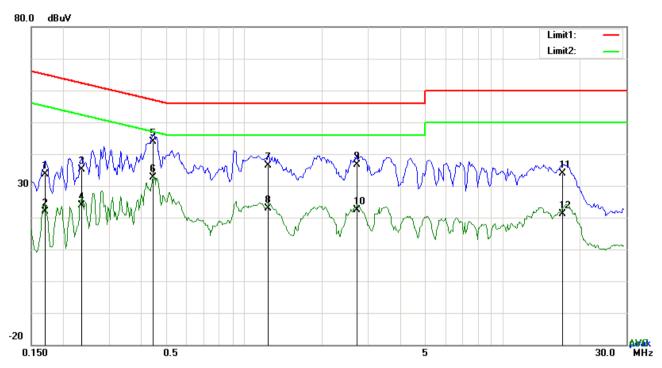
## Phase Neutral Plot at 120Vac, 60Hz

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit  | Margin |
|-----|-----|-----------|---------|----------|-----------|--------|--------|--------|
|     |     | (MHz)     | (dBuV)  |          | (dB}      | (dBuV) | (dBuV) | (dB)   |
| 1   | N   | 0.2592    | 25.02   | QP       | 10.02     | 35.04  | 61.46  | -26.42 |
| 2   | N   | 0.2592    | 14.55   | AVG      | 10.02     | 24.57  | 51.46  | -26.89 |
| 3   | N   | 0.4581    | 35.88   | QP       | 10.02     | 45.90  | 56.73  | -10.83 |
| 4   | N   | 0.4581    | 22.21   | AVG      | 10.02     | 32.23  | 46.73  | -14.50 |
| 5   | N   | 0.9144    | 27.16   | QP       | 10.03     | 37.19  | 56.00  | -18.81 |
| 6   | Ν   | 0.9144    | 12.45   | AVG      | 10.03     | 22.48  | 46.00  | -23.52 |
| 7   | N   | 1.4175    | 26.91   | QP       | 10.03     | 36.94  | 56.00  | -19.06 |
| 8   | N   | 1.4175    | 10.53   | AVG      | 10.03     | 20.56  | 46.00  | -25.44 |
| 9   | Ν   | 2.8683    | 21.23   | QP       | 10.05     | 31.28  | 56.00  | -24.72 |
| 10  | Ν   | 2.8683    | 6.11    | AVG      | 10.05     | 16.16  | 46.00  | -29.84 |
| 11  | Ν   | 17.1843   | 18.88   | QP       | 10.23     | 29.11  | 60.00  | -30.89 |
| 12  | N   | 17.1843   | 4.54    | AVG      | 10.23     | 14.77  | 50.00  | -35.23 |



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Test Mode : USB Mode



Test Data

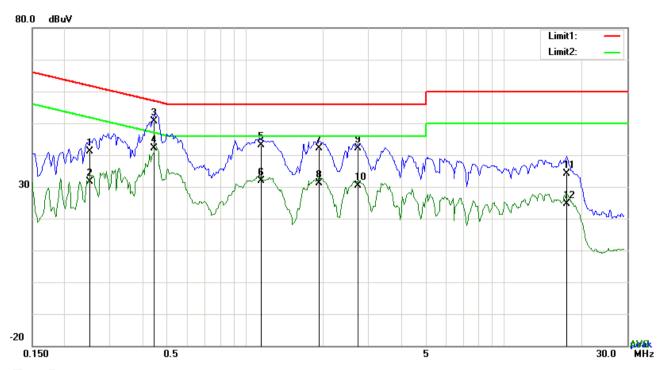
## Phase Line Plot at 240Vac, 60Hz

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit  | Margin |
|-----|-----|-----------|---------|----------|-----------|--------|--------|--------|
|     |     | (MHz)     | (dBuV)  |          | (dB)      | (dBuV) | (dBuV) | (dB)   |
| 1   | L1  | 0.1695    | 23.57   | QP       | 10.03     | 33.60  | 64.98  | -31.38 |
| 2   | L1  | 0.1695    | 11.82   | AVG      | 10.03     | 21.85  | 54.98  | -33.13 |
| 3   | L1  | 0.2358    | 24.98   | QP       | 10.03     | 35.01  | 62.24  | -27.23 |
| 4   | L1  | 0.2358    | 13.97   | AVG      | 10.03     | 24.00  | 52.24  | -28.24 |
| 5   | L1  | 0.4464    | 33.90   | QP       | 10.03     | 43.93  | 56.94  | -13.01 |
| 6   | L1  | 0.4464    | 22.60   | AVG      | 10.03     | 32.63  | 46.94  | -14.31 |
| 7   | L1  | 1.2381    | 26.43   | QP       | 10.03     | 36.46  | 56.00  | -19.54 |
| 8   | L1  | 1.2381    | 12.79   | AVG      | 10.03     | 22.82  | 46.00  | -23.18 |
| 9   | L1  | 2.7240    | 26.53   | QP       | 10.05     | 36.58  | 56.00  | -19.42 |
| 10  | L1  | 2.7240    | 12.42   | AVG      | 10.05     | 22.47  | 46.00  | -23.53 |
| 11  | L1  | 17.0088   | 23.52   | QP       | 10.26     | 33.78  | 60.00  | -26.22 |
| 12  | L1  | 17.0088   | 10.87   | AVG      | 10.26     | 21.13  | 50.00  | -28.87 |



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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   | Ν   | 0.2514    | 31.10   | QP       | 10.03     | 41.13  | 61.71  | -20.58 |
| 2   | Ν   | 0.2514    | 21.72   | AVG      | 10.03     | 31.75  | 51.71  | -19.96 |
| 3   | N   | 0.4464    | 40.51   | QP       | 10.03     | 50.54  | 56.94  | -6.40  |
| 4   | N   | 0.4464    | 32.03   | AVG      | 10.03     | 42.06  | 46.94  | -4.88  |
| 5   | N   | 1.1484    | 33.09   | QP       | 10.03     | 43.12  | 56.00  | -12.88 |
| 6   | N   | 1.1484    | 21.85   | AVG      | 10.03     | 31.88  | 46.00  | -14.12 |
| 7   | Ν   | 1.9323    | 32.03   | QP       | 10.04     | 42.07  | 56.00  | -13.93 |
| 8   | Ν   | 1.9323    | 21.18   | AVG      | 10.04     | 31.22  | 46.00  | -14.78 |
| 9   | Ν   | 2.7279    | 32.17   | QP       | 10.05     | 42.22  | 56.00  | -13.78 |
| 10  | N   | 2.7279    | 20.43   | AVG      | 10.05     | 30.48  | 46.00  | -15.52 |
| 11  | Ν   | 17.5275   | 23.84   | QP       | 10.26     | 34.10  | 60.00  | -25.90 |
| 12  | N   | 17.5275   | 14.25   | AVG      | 10.26     | 24.51  | 50.00  | -25.49 |



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# 6.2 Radiated Emissions

| Temperature          | 25 °C           |
|----------------------|-----------------|
| Relative Humidity    | 57%             |
| Atmospheric Pressure | 1024mbar        |
| Test date :          | August 24, 2017 |
| Tested By :          | Evans He        |

## Requirement(s):

| Spec       | Item   | Requirement  |                       | Applicable |  |
|------------|--|--|-----------------------|------------|--|
| 47CFR§15.  | a)   | Except higher limit as specified else emissions from the low-power radio exceed the field strength levels spe the level of any unwanted emission the fundamental emission. The tight edges | <b>V</b>              |            |  |
| 109(d)     | ,  | Frequency range (MHz)  | Field Strength (μV/m) |            |  |
|            |  | 30 - 88  | 100                   |            |  |
|            |  | 88 – 216   | 150                   |            |  |
|            |  | 216 - 960  | 200                   |            |  |
|            |  | Above 960  | 500                   |            |  |
| Test Setup | Ant. Tower  Support Units  Turn Table  Ground Plane  Test Receiver   |  |                       |            |  |
| Procedure  | <ol> <li>The EUT was switched on and allowed to warm up to its normal operating condition.</li> <li>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:         <ol> <li>Vertical or horizontal polarization (whichever gave the higher emission level</li> </ol> </li> </ol> |  |                       |            |  |



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|           |               | over a full rotation of the EUT) was chosen.                                     |
|-----------|---------------|--|
| 1         | 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 res    | solution bandwidth and video bandwidth of test receiver/spectrum analyzer is     |
|           | 120 kH        | z for Quasiy Peak detection at frequency below 1GHz.                             |
|           | 4. The res    | olution bandwidth of test receiver/spectrum analyzer is 1MHz and video           |
|           | bandwi        | dth is 3MHz with Peak detection for Peak measurement at frequency above          |
|           | 1GHz.         |  |
|           | The re        | esolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video     |
|           | bandw         | vidth with Peak detection for Average Measurement as below at frequency          |
|           | above         | 1GHz.  |
|           | ■ 1 kH        | Hz (Duty cycle < 98%) □ 10 Hz (Duty cycle > 98%)                                 |
|           | 5. Steps 2    | 2 and 3 were repeated for the next frequency point, until all selected frequency |
|           | points        | were measured.   |
| Remark    |               |  |
| Result    | Pass          | Fail   |
|           |               |  |
| Test Data | Yes           | N/A  |
| Test Plot | Yes (See belo | w) $\square$ N/A   |



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USB Mode Test Mode:

#### Below 1GHz



## Test Data

50

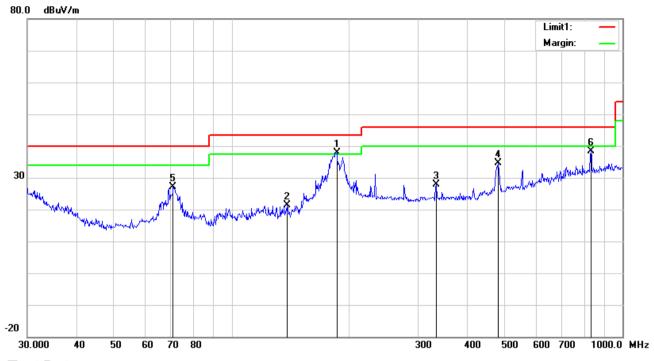
## Horizontal Polarity Plot @3m

| 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/<br>m) | (dB)   | (cm)   | ()     |
| 1   | Н   | 186.4409  | 46.03    | peak     | 11.35  | 22.29 | 1.48  | 36.57    | 43.50        | -6.93  | 100    | 355    |
| 2   | Н   | 480.5276  | 41.29    | peak     | 17.31  | 21.85 | 2.31  | 39.06    | 46.00        | -6.94  | 100    | 250    |
| 3   | Н   | 276.1236  | 40.64    | peak     | 12.55  | 22.29 | 1.75  | 32.65    | 46.00        | -13.35 | 200    | 353    |
| 4   | Н   | 71.0803   | 41.16    | peak     | 7.78   | 22.38 | 0.98  | 27.54    | 40.00        | -12.46 | 100    | 137    |
| 5   | Н   | 98.8326   | 31.09    | peak     | 10.12  | 22.32 | 1.09  | 19.98    | 43.50        | -23.52 | 100    | 80     |
| 6   | Н   | 369.4047  | 34.30    | peak     | 15.06  | 22.10 | 2.03  | 29.29    | 46.00        | -16.71 | 100    | 246    |



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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/<br>m) | (dB)   | (cm)   | ()     |
| 1   | ٧   | 185.7882  | 47.40    | peak     | 11.32  | 22.29 | 1.46  | 37.89    | 43.50        | -5.61  | 100    | 142    |
| 2   | V   | 138.3873  | 29.86    | peak     | 12.70  | 22.41 | 1.26  | 21.41    | 43.50        | -22.09 | 200    | 315    |
| 3   | >   | 333.6867  | 33.70    | peak     | 14.31  | 22.20 | 1.96  | 27.77    | 46.00        | -18.23 | 100    | 36     |
| 4   | ٧   | 480.5276  | 36.86    | peak     | 17.31  | 21.85 | 2.31  | 34.63    | 46.00        | -11.37 | 100    | 290    |
| 5   | ٧   | 70.8315   | 40.76    | peak     | 7.78   | 22.38 | 0.98  | 27.14    | 40.00        | -12.86 | 100    | 2      |
| 6   | ٧   | 830.4002  | 34.91    | peak     | 21.73  | 21.07 | 2.91  | 38.48    | 46.00        | -7.52  | 100    | 329    |



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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)  |
| 1426.3    | 65.1       | 74      | 100    | V        | -18.97   | 46.13   | 74       | -27.87 | PK       |
| 1724.1    | 61.37      | 135     | 100    | V        | -17.09   | 44.28   | 74       | -29.72 | PK       |
| 2036.9    | 60.81      | 298     | 100    | V        | -14.9    | 45.91   | 74       | -28.09 | PK       |
| 1437.5    | 66.2       | 301     | 100    | Н        | -18.95   | 47.25   | 74       | -26.75 | PK       |
| 1946.8    | 64.99      | 26      | 100    | Н        | -15.66   | 49.33   | 74       | -24.67 | PK       |
| 2419.8    | 59.27      | 145     | 100    | Н        | -13.6    | 45.67   | 74       | -28.33 | 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 | ssions   |            |            |            |             |
| EMI test receiver      | ESCS30   | 8471241027 | 09/16/2016 | 09/15/2017 | •           |
| Line Impedance         | LI-125A  | 191106     | 09/24/2016 | 09/23/2017 | <b>V</b>    |
| Stabilization Network  | LI-125A  | 191100     | 03/24/2010 | 09/23/2017 | Į.          |
| Line Impedance         | LI-125A  | 191107     | 09/24/2016 | 09/23/2017 | <b>V</b>    |
| Stabilization Network  | LI-125A  | 191107     | 09/24/2010 | 09/23/2017 |             |
| ISN                    | ISN T800 | 34373      | 09/24/2016 | 09/23/2017 |             |
| Transient Limiter      | LIT-153  | 531118     | 08/31/2016 | 08/30/2017 | <u>&lt;</u> |
| Radiated Emissions     |          |            |            |            |             |
| EMI test receiver      | ESL6     | 100262     | 09/16/2016 | 09/15/2017 | <u>&lt;</u> |
| OPT 010 AMPLIFIER      | 8447E    | 2727A02430 | 08/31/2016 | 08/30/2017 | <u>&lt;</u> |
| (0.1-1300MHz)          | 0441⊏    | 2121A02430 | 00/31/2010 | 06/30/2017 | 1           |
| Microwave Preamplifier | 8449B    | 3008A02402 | 03/23/2017 | 03/22/2018 | <u>&lt;</u> |
| (1 ~ 26.5GHz)          | 0449D    | 3000A02402 | 03/23/2017 | 03/22/2016 |             |
| Bilog Antenna          | JB6      | A110712    | 09/20/2016 | 09/19/2017 | <b>V</b>    |
| (30MHz~6GHz)           | JDO      | A110/12    | 09/20/2016 | 09/19/2017 | •           |
| Double Ridge Horn      | AH-118   | 71259      | 09/23/2016 | 09/22/2017 | <u>&lt;</u> |
| Antenna                | A∏-110   | 71209      | 09/23/2010 | 03/22/2017 | Į.          |



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# Annex B. EUT And Test Setup Photographs

# Annex B.i. Photograph: EUT External Photo





Adapter 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



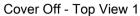
EUT - Right View





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## Annex B.ii. Photograph: EUT Internal Photo





Cover Off - Top View 2



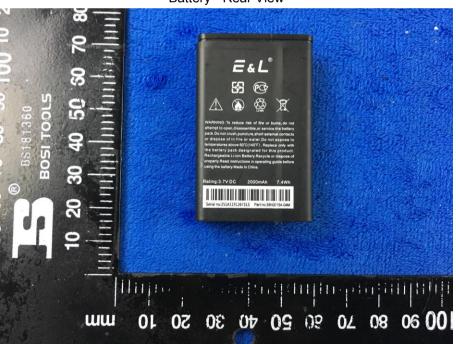


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Battery - Front View



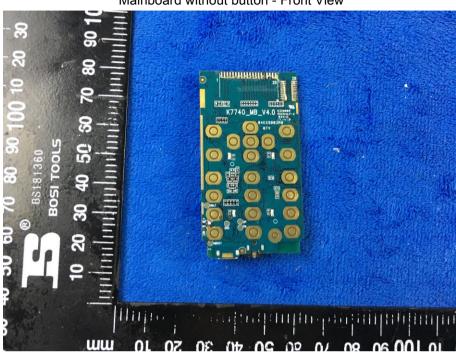
Battery - Rear View





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Mainboard without button - Front View



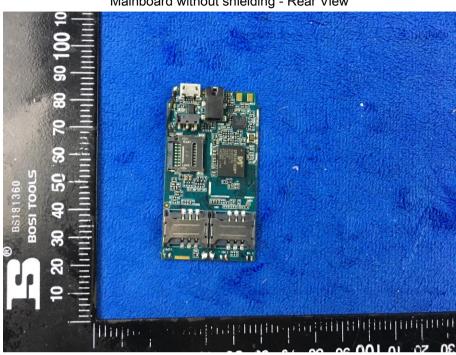
Mainboard with shielding - Rear View



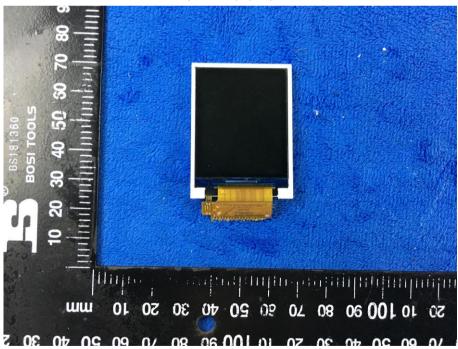


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Mainboard without shielding - Rear View



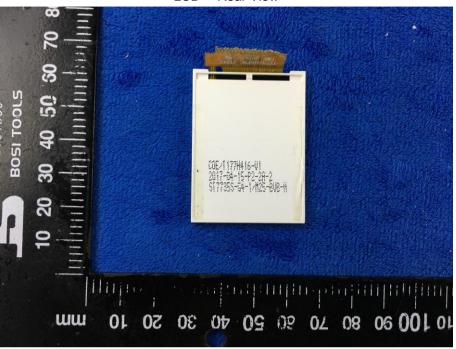
LCD - Front View





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LCD - Rear View



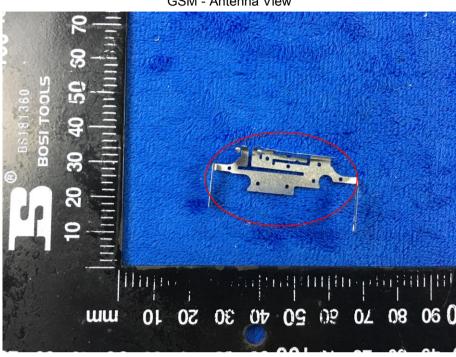
BT - Antenna View





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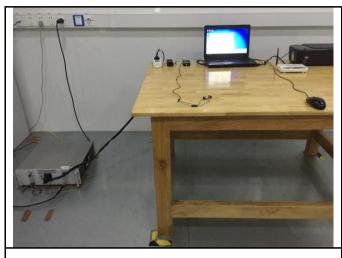
GSM - Antenna View



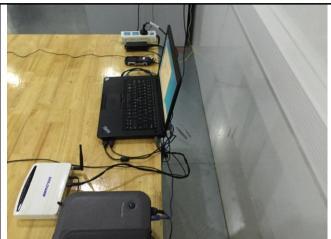


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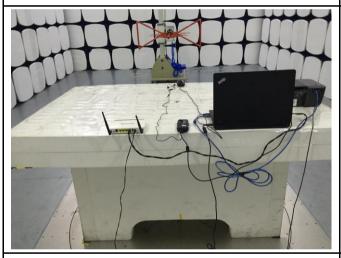
## Annex B.iii. Photograph: Test Setup Photo



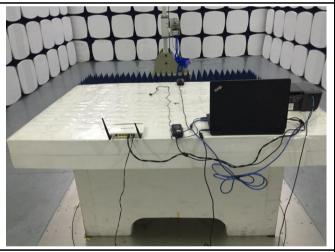
Conducted Emissions Test Setup - Front View



Conducted Emissions Test Setup - Side View



Radiated Emissions Test Setup Below 1GHz



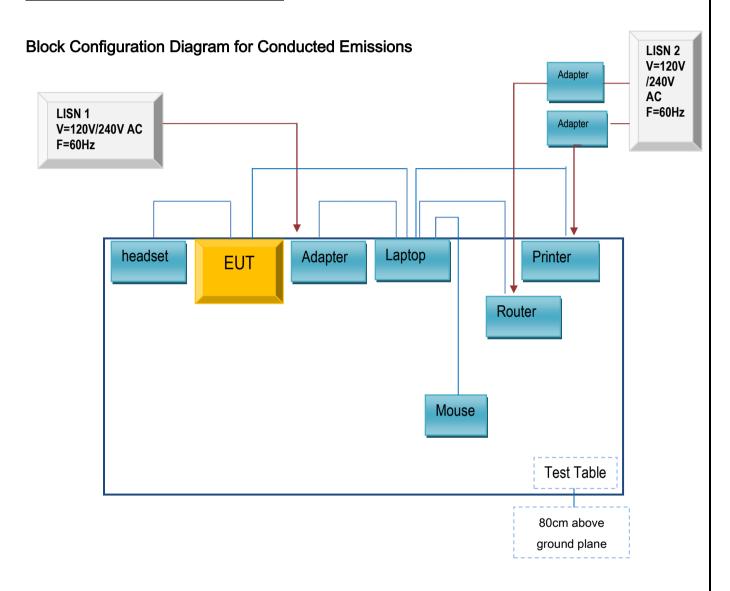
Radiated Emissions Test Setup Above 1GHz



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# Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

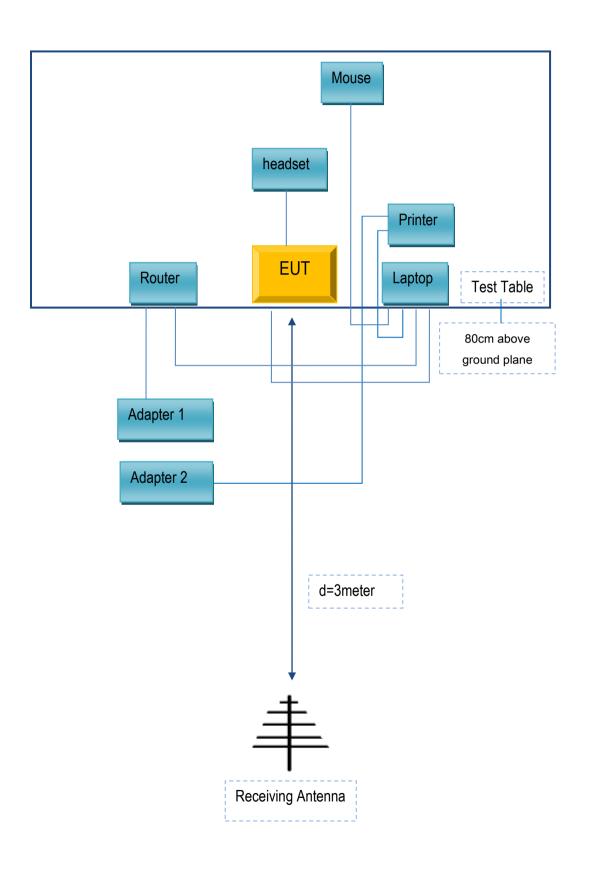
#### Annex C.ii. TEST SET UP BLOCK





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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<br>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      |
| SHENZHEN KENXINDA<br>TECHNOLOGY CO.,LTD | headset                  | K6900      | 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     |



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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