## EMC TEST REPORT

Report No.: 18070333-FCC-E
Supersede Report No: N/A

| Applicant | BLU Products,Inc |  |  |
| :---: | :---: | :---: | :---: |
| Product Name | Feature Phone |  |  |
| Model No. | FLASH |  |  |
| Serial No. | N/A |  |  |
| Test Standard | FCC Part 15 Subpart B Class B:2017, ANSI C63.4: 2014 |  |  |
| Test Date | April 10 to April 24, 2018 |  |  |
| Issue Date | April 25, 2018 |  |  |
| Test Result | $\checkmark$ Pass $\square_{\text {Fail }}$ |  |  |
| Equipment complied with the specification $\quad \mathrm{V}$ |  |  |  |
| Equipment did not comply with the specification $\quad$ - |  |  |  |
| hwas He |  | David Huang |  |
| Evans He <br> Test Engineer |  | David Huang Checked By |  |
| This test report may be reproduced in full only |  |  |  |

Issued by:
SIEMIC (SHENZHEN-CHINA) LABORATORIES
Zone A, Floor 1, Building 2 Wan Ye Long Technology Park
South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China 518108
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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.


In addition to testing and certification, SIEMIC provides initial design reviews and compliance management throughout a project. Our extensive experience with China, Asia Pacific, North America, European, and International compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

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 |
| :---: | :---: | :---: | :---: |
| 18070333-FCC-E | NONE | Original | April 25, 2018 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## 2. Customer information

| Applicant Name | BLU Products,Inc |
| :--- | :--- |
| Applicant Add | 10814 NW 33rd St \# 100 Doral, FL 33172, USA |
| Manufacturer | BLU Products,Inc |
| Manufacturer Add | 10814 NW 33rd St \# 100 Doral, FL 33172,USA |

## 3. Test site information

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


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## 4. Equipment under Test (EUT) Information

Description of EUT:

Main Model:

Serial Model:

Antenna Gain:

Antenna Type:

Input Power:

Equipment Category :

Type of Modulation:

RF Operating Frequency (ies):

Number of Channels

Feature Phone

FLASH

N/A

GSM850: -0.5dBi
PCS1900: -0.8dBi
Bluetooth: -0.4 dBi

GSM: PIFA antenna
BT: Monopole antenna

## Adapter

Model: US-NB-0550
Input: AC100-240V~50/60Hz,0.15A
Output: DC 5.0V, 550mA
Battery:
Model: C41664160170L
Spec: 3.7V, 1700mAh, 6.29Wh

JBP

GSM / GPRS: GMSK
EGPRS: GMSK
Bluetooth: GFSK, п /4DQPSK, 8DPSK

GSM850 TX: 824.2 ~ 848.8 MHz; RX: 869.2 ~ 893.8 MHz
PCS1900 TX: 1850.2 ~ 1909.8 MHz; RX: 1930.2 ~ 1989.8 MHz
Bluetooth: 2402-2480 MHz

GSM 850: 124CH
PCS1900: 299CH
Bluetooth: 79CH


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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 |
| :---: | :--- | :---: |
| $\S 15.107$; ANSI C63.4: 2014 | AC Power Line Conducted Emissions | Compliance |
| $\S 15.109 ;$ ANSI C63.4: 2014 | Radiated Emissions | Compliance |

Measurement Uncertainty

| Parameter | Uncertainty |
| :---: | :---: |
| AC Power Line Conducted Emissions |  |
| $(150 \mathrm{kHz} \sim 30 \mathrm{MHz})$ | $\pm 3.11 \mathrm{~dB}$ |
| Radiated Emission $(30 \mathrm{MHz} \sim 1 \mathrm{GHz})$ | $\pm 5.12 \mathrm{~dB}$ |
| Radiated Emission $(1 \mathrm{GHz} \sim 6 \mathrm{GHz})$ | $\pm 5.34 \mathrm{~dB}$ |


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6. Measurements, Examination And Derived Results

### 6.1 AC Power Line Conducted Emissions

| Temperature | $27^{\circ} \mathrm{C}$ |
| :--- | :--- |
| Relative Humidity | $58 \%$ |
| Atmospheric Pressure | 1010 mbar |
| Test date : | April 10, 2018 |
| Tested By: | Evans He |

Requirement(s):

| Spec | Item | Requirement |  |  | Applicable |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 47CFR§15.$107$ | a) | For Low-power radio-frequency devices that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz , shall not exceed the limits in the following table, as measured using a 50 [mu] H/50 ohms line impedance stabilization network (LISN). The lower limit applies at the boundary between the frequencies ranges. |  |  | V |
|  |  | Frequency ranges |  |  |  |
|  |  | (MHz) | QP | Average |  |
|  |  | $0.15 \sim 0.5$ | 66-56 | 56-46 |  |
|  |  | $0.5 \sim 5$ | 56 | 46 |  |
|  |  | 5~30 | 60 | 50 |  |
| Test Setup |  |  | ound <br> Plane <br> 0 c <br> (annected <br> MN) are 80 cm <br> and other m |  |  |
| Procedure | 1. $\begin{array}{r}\text { Th } \\ \text { 2. } \\ \text { th } \\ \hline\end{array}$ | EUT and supporting e standard on top of a 1. power supply for the red mains. | nt were set $\mathrm{m} \times 0.8 \mathrm{~m}$ hi fed throug | rdance with the tallic table. OmH EUT LISN | quirements of <br> nnected to |


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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. <br> 4. All other supporting equipment were powered separately from another main supply. <br> 5. The EUT was switched on and allowed to warm up to its normal operating condition. <br> 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. <br> 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 . <br> 8. Step 7 was then repeated for the LIVE line (for AC mains) or DC line (for DC power). |
| :---: | :---: |
| Remark |  |
| Result | $\checkmark$ Pass $\square_{\text {Fail }}$ |

## Test Data



Test Plot
N/A
$\square_{\text {N/A }}$

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



Test Data

Phase Line Plot at $120 \mathrm{Vac}, 60 \mathrm{~Hz}$

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit | Margin |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $(\mathrm{MHz})$ | $(\mathrm{dBuV})$ |  | $(\mathrm{dB})$ | $(\mathrm{dBuV})$ | $(\mathrm{dBuV})$ | $(\mathrm{dB})$ |
| 1 | L1 | 0.1578 | 29.89 | QP | 10.03 | 39.92 | 65.58 | -25.66 |
| 2 | L1 | 0.1578 | 17.07 | AVG | 10.03 | 27.10 | 55.58 | -28.48 |
| 3 | L1 | 0.4191 | 36.78 | QP | 10.03 | 46.81 | 57.47 | -10.66 |
| 4 | L1 | 0.4191 | 28.64 | AVG | 10.03 | 38.67 | 47.47 | -8.80 |
| 5 | L1 | 0.6687 | 23.32 | QP | 10.03 | 33.35 | 56.00 | -22.65 |
| 6 | L1 | 0.6687 | 16.99 | AVG | 10.03 | 27.02 | 46.00 | -18.98 |
| 7 | L1 | 1.9011 | 25.55 | QP | 10.04 | 35.59 | 56.00 | -20.41 |
| 8 | L1 | 1.9011 | 11.79 | AVG | 10.04 | 21.83 | 46.00 | -24.17 |
| 9 | L1 | 4.9383 | 23.77 | QP | 10.08 | 33.85 | 56.00 | -22.15 |
| 10 | L1 | 4.9383 | 11.56 | AVG | 10.08 | 21.64 | 46.00 | -24.36 |
| 11 | L1 | 23.6973 | 14.28 | QP | 10.37 | 24.65 | 60.00 | -35.35 |
| 12 | L1 | 23.6973 | 8.03 | AVG | 10.37 | 18.40 | 50.00 | -31.60 |


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$\square$


## Test Data

Phase Neutral Plot at 120Vac, 60Hz

| No. | P/L | Frequency | Reading | Detector | Corrected | Result | Limit | Margin |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $(\mathrm{MHz})$ | $(\mathrm{dBuV})$ |  | $(\mathrm{dB})$ | $(\mathrm{dBuV})$ | $(\mathrm{dBuV})$ | $(\mathrm{dB})$ |
| 1 | N | 0.1582 | 34.01 | QP | 10.02 | 44.03 | 65.56 | -21.53 |
| 2 | N | 0.1582 | 17.82 | AVG | 10.02 | 27.84 | 55.56 | -27.72 |
| 3 | N | 0.4425 | 23.73 | QP | 10.02 | 33.75 | 57.01 | -23.26 |
| 4 | N | 0.4425 | 14.41 | AVG | 10.02 | 24.43 | 47.01 | -22.58 |
| 5 | N | 0.8091 | 19.22 | QP | 10.03 | 29.25 | 56.00 | -26.75 |
| 6 | N | 0.8091 | 8.26 | AVG | 10.03 | 18.29 | 46.00 | -27.71 |
| 7 | N | 1.9752 | 17.88 | QP | 10.04 | 27.92 | 56.00 | -28.08 |
| 8 | N | 1.9752 | 8.51 | AVG | 10.04 | 18.55 | 46.00 | -27.45 |
| 9 | N | 3.3315 | 21.16 | QP | 10.05 | 31.21 | 56.00 | -24.79 |
| 10 | N | 3.3315 | 9.79 | AVG | 10.05 | 19.84 | 46.00 | -26.16 |
| 11 | N | 24.0015 | 18.79 | QP | 10.32 | 29.11 | 60.00 | -30.89 |
| 12 | N | 24.0015 | 9.92 | AVG | 10.32 | 20.24 | 50.00 | -29.76 |


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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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $(\mathrm{MHz})$ | $(\mathrm{dBuV})$ |  | $(\mathrm{dB})$ | $(\mathrm{dBuV})$ | $(\mathrm{dBuV})$ | $(\mathrm{dB})$ |
| 1 | L1 | 0.4269 | 36.35 | QP | 10.03 | 46.38 | 57.31 | -10.93 |
| 2 | L1 | 0.4269 | 22.86 | AVG | 10.03 | 32.89 | 47.31 | -14.42 |
| 3 | L1 | 0.9417 | 25.78 | QP | 10.03 | 35.81 | 56.00 | -20.19 |
| 4 | L1 | 0.9417 | 18.81 | AVG | 10.03 | 28.84 | 46.00 | -17.16 |
| 5 | L1 | 1.2771 | 26.16 | QP | 10.03 | 36.19 | 56.00 | -19.81 |
| 6 | L1 | 1.2771 | 19.38 | AVG | 10.03 | 29.41 | 46.00 | -16.59 |
| 7 | L1 | 3.2145 | 25.47 | QP | 10.06 | 35.53 | 56.00 | -20.47 |
| 8 | L1 | 3.2145 | 19.37 | AVG | 10.06 | 29.43 | 46.00 | -16.57 |
| 9 | L1 | 5.3946 | 23.25 | QP | 10.09 | 33.34 | 60.00 | -26.66 |
| 10 | L1 | 5.3946 | 14.85 | AVG | 10.09 | 24.94 | 50.00 | -25.06 |
| 11 | L1 | 24.0678 | 12.94 | QP | 10.38 | 23.32 | 60.00 | -36.68 |
| 12 | L1 | 24.0678 | 7.34 | AVG | 10.38 | 17.72 | 50.00 | -32.28 |


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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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $(\mathrm{MHz})$ | $(\mathrm{dBuV})$ |  | $(\mathrm{dB})$ | $(\mathrm{dBuV})$ | $(\mathrm{dBuV})$ | $(\mathrm{dB})$ |
| 1 | N | 0.4308 | 38.64 | QP | 10.02 | 48.66 | 57.24 | -8.58 |
| 2 | N | 0.4308 | 29.62 | AVG | 10.02 | 39.64 | 47.24 | -7.60 |
| 3 | N | 0.8403 | 28.52 | QP | 10.03 | 38.55 | 56.00 | -17.45 |
| 4 | N | 0.8403 | 18.40 | AVG | 10.03 | 28.43 | 46.00 | -17.57 |
| 5 | N | 1.2537 | 30.07 | QP | 10.03 | 40.10 | 56.00 | -15.90 |
| 6 | N | 1.2537 | 20.88 | AVG | 10.03 | 30.91 | 46.00 | -15.09 |
| 7 | N | 2.0441 | 28.57 | QP | 10.04 | 38.61 | 56.00 | -17.39 |
| 8 | N | 2.0441 | 19.73 | AVG | 10.04 | 29.77 | 46.00 | -16.23 |
| 9 | N | 5.0904 | 26.36 | QP | 10.07 | 36.43 | 60.00 | -23.57 |
| 10 | N | 5.0904 | 16.86 | AVG | 10.07 | 26.93 | 50.00 | -23.07 |
| 11 | N | 23.8806 | 16.76 | QP | 10.32 | 27.08 | 60.00 | -32.92 |
| 12 | N | 23.8806 | 7.84 | AVG | 10.32 | 18.16 | 50.00 | -31.84 |


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### 6.2 Radiated Emissions

| Temperature | $25^{\circ} \mathrm{C}$ |
| :--- | :--- |
| Relative Humidity | $53 \%$ |
| Atmospheric Pressure | 1021 mbar |
| Test date : | April 12,2018 |
| Tested By: | Evans He |

Requirement(s):

| Spec | Item | Requirement |  | Applicable |
| :---: | :---: | :---: | :---: | :---: |
| 47CFR§15. <br> 109(d) | a) | Except higher limit as specified elsewhere in other section, the emissions from the low-power radio-frequency devices shall not exceed the field strength levels specified in the following table and the level of any unwanted emissions shall not exceed the level of the fundamental emission. The tighter limit applies at the band edges |  | V |
|  |  | Frequency range (MHz) | Field Strength ( $\mu \mathrm{V} / \mathrm{m}$ ) |  |
|  |  | 30-88 | 100 |  |
|  |  | 88-216 | 150 |  |
|  |  | 216-960 | 200 |  |
|  |  | Above 960 | 500 |  |
| Test Setup |  |  |  |  |
| Procedure |  | The EUT was switched on and a The test was carried out at the s characterization. Maximization o changing the antenna polarizatio manner: <br> a. Vertical or horizontal pol | warm up to its normal oper quency points obtained fro sions, was carried out by ro justing the antenna height in <br> whichever gave the higher | ng condition. <br> the EUT <br> ting the EUT, <br> he following <br> ission level |


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Test Data $\quad \nabla_{\text {Yes }}$

Test Plot



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## Test Mode : <br> 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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $(\mathrm{MHz})$ | $(\mathrm{dBuV} / \mathrm{m})$ |  | $(\mathrm{dB} / \mathrm{m})$ | $(\mathrm{dB})$ | $(\mathrm{dB})$ | $(\mathrm{dBuV} / \mathrm{m})$ | $(\mathrm{dBuV} /$ <br> $\mathrm{m})$ | $(\mathrm{dB})$ | $(\mathrm{cm})$ | $\left({ }^{\circ}\right)$ |
| 1 | H | 468.8762 | 42.68 | QP | 17.08 | 21.87 | 2.24 | 40.13 | 46.00 | -5.87 | 100 | 265 |
| 2 | H | 234.1684 | 47.93 | peak | 11.62 | 22.32 | 1.65 | 38.88 | 46.00 | -7.12 | 100 | 227 |
| 3 | H | 143.8295 | 42.77 | peak | 12.60 | 22.38 | 1.30 | 34.29 | 43.50 | -9.21 | 100 | 26 |
| 4 | H | 99.5281 | 35.29 | peak | 10.29 | 22.32 | 1.11 | 24.37 | 43.50 | -19.13 | 100 | 283 |
| 5 | H | 324.4561 | 39.81 | peak | 14.11 | 22.22 | 1.91 | 33.61 | 46.00 | -12.39 | 100 | 44 |
| 6 | H | 71.8320 | 35.60 | peak | 7.76 | 22.39 | 0.97 | 21.94 | 40.00 | -18.06 | 100 | 0 |


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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 <br> $(\mathrm{dBL} /$ <br> $(\mathrm{MHz})$ | Margin | Height | Degree |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $(\mathrm{dBuV} / \mathrm{m})$ |  | $(\mathrm{dB} / \mathrm{m})$ | $(\mathrm{dB})$ | $(\mathrm{dB})$ | $(\mathrm{dBuV} / \mathrm{m})$ | $\mathrm{dBu} /$ <br> $\mathrm{m})$ | $(\mathrm{dB})$ | $(\mathrm{cm})$ | $\left({ }^{\circ}\right)$ |  |  |  |
| 1 | V | 234.1684 | 44.06 | peak | 11.62 | 22.32 | 1.65 | 35.01 | 46.00 | -10.99 | 100 | 43 |
| 2 | V | 468.8762 | 36.81 | peak | 17.08 | 21.87 | 2.24 | 34.26 | 46.00 | -11.74 | 100 | 157 |
| 3 | V | 131.7577 | 36.18 | peak | 13.14 | 22.39 | 1.21 | 28.14 | 43.50 | -15.36 | 100 | 141 |
| 4 | V | 79.8003 | 35.68 | peak | 7.60 | 22.42 | 1.05 | 21.91 | 40.00 | -18.09 | 200 | 131 |
| 5 | V | 51.3005 | 36.90 | peak | 8.26 | 22.38 | 0.79 | 23.57 | 40.00 | -16.43 | 100 | 268 |
| 6 | V | 33.3279 | 38.16 | QP | 18.84 | 22.26 | 0.71 | 35.45 | 40.00 | -4.55 | 100 | 48 |


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## Above 1 GHz

| Frequency <br> (MHz) | Read_level <br> ( $\mathrm{dB} \mu \mathrm{V} / \mathrm{m}$ ) | Azimuth | Height <br> (cm) | Polarity <br> (H/V) | Level $(\mathrm{dB} \mu \mathrm{V} / \mathrm{m})$ | Factors <br> (dB) | $\begin{gathered} \text { Limit } \\ (\mathrm{dB} \mu \mathrm{~V} / \mathrm{m}) \end{gathered}$ | Margin <br> (dB) | Detector <br> (PK/AV) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1068.542 | 68.22 | 335 | 100 | V | -20.3 | 47.92 | 74 | -26.08 | PK |
| 1375.659 | 66.46 | 121 | 100 | V | -19.14 | 47.32 | 74 | -26.68 | PK |
| 2184.107 | 63.19 | 80 | 100 | V | -14.49 | 48.7 | 74 | -25.3 | PK |
| 1139.738 | 64.13 | 113 | 100 | H | -20.01 | 44.12 | 74 | -29.88 | PK |
| 1764.712 | 65.49 | 145 | 100 | H | -16.76 | 48.73 | 74 | -25.27 | PK |
| 3216.286 | 57.91 | 278 | 100 | H | -12.83 | 45.08 | 74 | -28.92 | PK |

Note1: The highest frequency of the EUT is 2480 MHz , so the testing has been conformed to $5 * 2480 \mathrm{MHz}=12,400 \mathrm{MHz}$.
Note2: The frequency that above $3 G H z$ 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 Emissions |  |  |  |  |  |
| EMI test receiver | ESCS30 | 8471241027 | 09/15/2017 | 09/14/2018 | V |
| Line Impedance Stabilization Network | LI-125A | 191106 | 09/23/2017 | 09/22/2018 | V |
| Line Impedance <br> Stabilization Network | LI-125A | 191107 | 09/23/2017 | 09/22/2018 | V |
| ISN | ISN T800 | 34373 | 09/23/2017 | 09/22/2018 | $\Gamma$ |
| Transient Limiter | LIT-153 | 531118 | 08/30/2017 | 08/29/2018 | V |
| Radiated Emissions |  |  |  |  |  |
| EMI test receiver | E SL6 | 100262 | 09/15/2017 | 09/14/2018 | V |
| OPT 010 AMPLIFIER <br> (0.1-1300MHz) | 8447E | 2727A02430 | 08/30/2017 | 08/29/2018 | V |
| Microwave Preamplifier (1~26.5GHz) | 8449B | 3008A02402 | 03/22/2018 | 03/21/2019 | V |
| Bilog Antenna (30MHz~6GHz) | JB6 | A110712 | 09/19/2017 | 09/18/2018 | V |
| Double Ridge Horn Antenna | AH-118 | 71259 | 09/22/2017 | 09/21/2018 | V |


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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 - Left View


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Annex B.ii. Photograph: EUT Internal Photo

Cover Off - Top View 1


Cover Off - Top View 2


| Test Report | $18070333-$ FCC-E |
| :--- | :--- |
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Battery - Front View


Battery - Rear View


| Test Report | $18070333-$ FCC-E |
| :--- | :--- |
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Mainboard with Shielding - Front View


Mainboard with Shielding - Rear View


Mainboard without Shielding - Front View


LCD - Front View


| Test Report | 18070333-FCC-E |
| :--- | :--- |
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LCD - Rear View


GSM/PCS - Antenna View



FM - Antenna View


| Test Report | 18070333-FCC-E |
| :--- | :--- |
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Annex B.iii. Photograph: Test Setup Photo


## Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

## Annex C.ii. TEST SET UP BLOCK

## LISN 2

LISN 1
$\mathrm{V}=120 \mathrm{~V} / 240 \mathrm{~V}$ AC $\mathrm{F}=60 \mathrm{~Hz}$


| Test Report | $18070333-$ FCC-E |
| :--- | :--- |
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Block Configuration Diagram for Radiated Emissions


Receiving Antenna

| Test Report | 18070333-FCC-E |
| :--- | :--- |
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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 | 42 T4416 | 21D9JU |
| HP | Printer | VCVRA-1003 | CN36M19JWX |
| DELL | Mouse | E100 | 912NMTUT41481 |
| BULL | Socket | GN-403 | GN201203 |
| SAMSUNG | headset | HS330 | N/A |

## Supporting Cable:

| Cable type | Shield Type | Ferrite Core | Length | Serial No |
| :---: | :---: | :---: | :---: | :---: |
| USB Cable | Un-shielding | No | $2 m$ | JX120051274 |
| USB Cable | Un-shielding | No | $2 m$ | CBA3000AH0C1 |
| RJ45 Cable | Un-shielding | No | $2 m$ | KX156327541 |
| Router Power <br> cable | Un-shielding | No | $2 m$ | $13274630 Z$ |
| Printer Power <br> cable | Un-shielding | No | $0.8 m$ | GT211032 |
| Power Cable | Un-shielding |  |  |  |

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

Please see the attachment

