# EMC TEST REPORT



Report No.: 17071300-FCC-E

Supersede Repo	rt No: N/A				
Applicant	BLU Produ	BLU Products, Inc.			
Product Name	Mobile Pho	ne			
Model No.	STUDIO J8	BM			
Serial No.	N/A				
Test Standard	FCC Part 1	FCC Part 15 Subpart B Class B:2016, ANSI C63.4: 2014			
Test Date	November	November 24 to December 19, 2017			
Issue Date	December	December 20, 2017			
Test Result	Pass	Pass Fail			
Equipment comp	lied with the	specification			
Equipment did not comply with the specification					
mans.	He	David Huang			
Evans I	He	David Huang			
Test Engineer		Checked By			
This test report may be reproduced in full only					
Test result presented in this test report is applicable to the tested sample 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 Phone: +86 0755 2601 4629801 Email: China@siemic.com.cn



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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.

	•
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

#### Accreditations for Conformity Assessment



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# 1. Report Revision History

Report No.	Report Version	Description	Issue Date
17071300-FCC-E	NONE	Original	December 20, 2017

# 2. Customer information

Applicant Name	BLU Products, Inc.
Applicant Add	10814 NW 33rd St # 100 Doral, FL 33172
Manufacturer	BLU Products, Inc.
Manufacturer Add	10814 NW 33rd St # 100 Doral, FL 33172

# 3. Test site information

Test Lab A:

TOST EUD / L		
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	Radiated Emission Program-To Shenzhen v2.0	
Test Lab B:		
Lab performing tests	SIEMIC (Nanjing-China) Laboratories	
Lab Address	2-1 Longcang Avenue Yuhua Economic and	
	Technology Development Park, Nanjing, China	
FCC Test Site No.	694825	
IC Test Site No.	4842B-1	
Test Software	EZ_EMC(ver.lcp-03A1)	
	diated Spurious Emission above 1904z in the test Lab R	

Note: We just perform Radiated Spurious Emission above 18GHz in the test Lab. B.



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# 4. Equipment under Test (EUT) Information

Description of EUT:	Mobile Phone		
Main Model:	STUDIO J8M		
Serial Model:	N/A		
	GSM850: -3.7dBi		
	PCS1900: -3.5dBi		
	UMTS-FDD Band V: -3dBi		
	UMTS-FDD Band IV: -2.5dBi		
	UMTS-FDD Band II: -4.5dBi		
	LTE Band II: -4.5dBi		
Antenna Gain:	LTE Band IV: -4dBi		
	LTE Band VII: -5dBi		
	LTE Band XII: -10.5dBi		
	LTE Band XVII: -10.5dBi		
	Bluetooth/BLE: -4.13dBi		
	WIFI: -4.13dBi		
	GPS: -3.2dBi		
Antenna Type:	PIFA Antenna		
	Adapter:		
	Model: US-BB-1000		
	Input: AC100-240V~50/60Hz,0.2A		
Input Power:	Output: DC 5V~1.0A		
	Battery:		
	Model: C705345200L		
	Spec: 3.8V, 2000mAh, 7.6Wh		
Equipment Category :	JBP		
	GSM / GPRS: GMSK		
	EGPRS: GMSK,8PSK		
Type of Modulation:	UMTS-FDD: QPSK		
	LTE Band: QPSK, 16QAM		
	802.11b/g/n: DSSS, OFDM		



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	Bluetooth: GFSK, π /4DQPSK, 8DPSK
	BLE: GFSK
	GPS:BPSK
	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
	UMTS-FDD Band V TX: 826.4 ~ 846.6 MHz; RX: 871.4 ~ 891.6 MHz
	UMTS-FDD Band IV TX:1712.4 ~ 1752.6 MHz;
	RX : 2112.4 ~ 2152.6 MHz
	UMTS-FDD Band II TX:1852.4 ~ 1907.6 MHz;
	RX: 1932.4 ~ 1987.6 MHz
	LTE Band II TX: 1850.7 ~ 1909.3MHz; RX : 1930.7 ~ 1989.3 MHz
RF Operating Frequency (ies):	LTE Band IV TX: 1710.7 ~ 1754.3 MHz; RX : 2110.7~ 2154.3 MHz
	LTE Band VII TX: 2502.5 ~ 2567.5 MHz; RX : 2622.5 ~ 2687.5 MHz
	LTE Band XII TX:699.7 ~ 715.3 MHz; RX : 729.7~ 745.3MHz
	LTE Band XVII TX: 706.5 ~ 713.5 MHz; RX : 736.5 ~ 743.5 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 IV: 202CH
Number of Observation	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 :	BLU
GPRS/EGPRS Multi-slot class	8/10/11/12
FCC ID:	YHLBLUSTUDIOJ8M



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Date EUT received:

November 23, 2017

Test Date(s):

November 24 to December 19, 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)	IS. HUD
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 :	December 08, 2017
Tested By :	Evans He

#### Requirement(s):

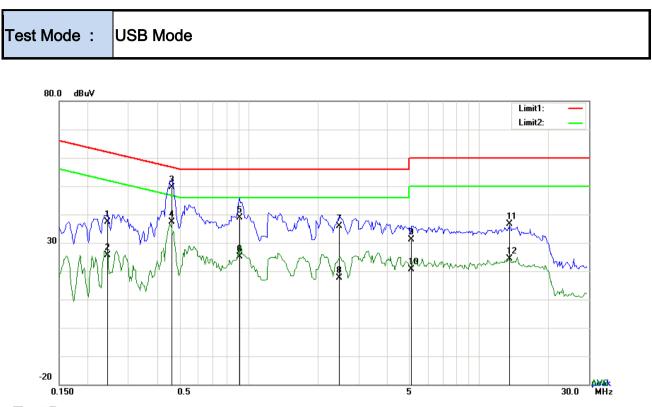
Spec	Item	Requirement		Applicable	
47CFR§15. 107	a)	a) For Low-power radio-frequency devices that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 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. Frequency ranges Limit (dBµV)			
		(MHz)	QP	Average	
		0.15 ~ 0.5	66 - 56	56 - 46	
		0.5 ~ 5 5 ~ 30	56 60	46 50	
Test Setup	Vertical Ground Reference Plane UT Horizontal Ground Reference Plane UT Horizontal Ground Reference Plane Note: 1.Support units were connected to second LISN. 2.Both of LISNs (AMN) are 80cm from EUT and at least 80cm				
<ul> <li>Procedure</li> <li>1. The EUT and supporting equipment were set up in accordance with the requirement the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table.</li> <li>2. The power supply for the EUT was fed through a 50Ω /50mH EUT LISN, con filtered mains.</li> </ul>					

<image/>				
Adverse Verifies Group Company       Page       11 of 38         Adverse Verifies Group Company       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       Pags         Fail         Test Data       N/A	1			
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         Test Data       Yes	SIE	MIC	Test Report	17071300-FCC-E
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	A Bureau Verit	as Group Company	Page	11 of 38
Remark   Result   Pass   Fail   Test Data Yes N/A	A Bureau Verit	<ol> <li>The RF OUT of the coaxial cable.</li> <li>All other supporting</li> <li>The EUT was switch</li> <li>A scan was made or over the required free</li> <li>High peaks, relative selected frequencies setting of 10 kHz.</li> </ol>	EUT LISN was co equipment were p hed on and allowe n the NEUTRAL li equency range usi to the limit line, T s and the necessa	ponnected to the EMI test receiver via a low-loss powered separately from another main supply. ed to warm up to its normal operating condition. ine (for AC mains) or Earth line (for DC power) ing an EMI test receiver. The EMI test receiver was then tuned to the ary measurements made with a receiver bandwidth
Result Pass   Fail Test Data Yes N/A	Domork	· · ·		· · · ·
Test Data Yes	Remark			
Test Data Yes	Result	Pass	Fail	



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#### Test Data

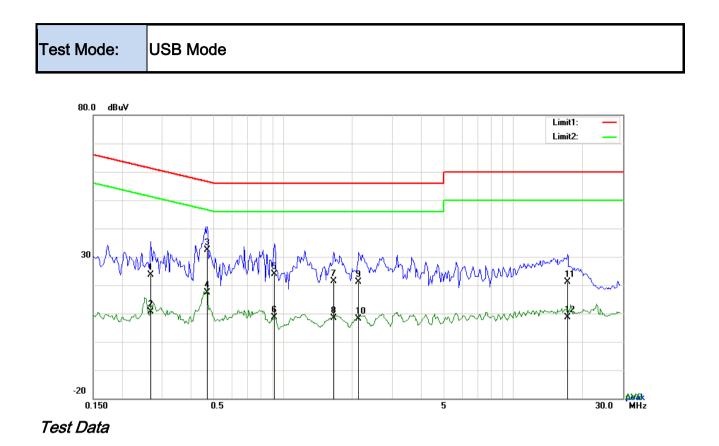
No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)	
1	L1	0.2436	27.26	QP	10.03	37.29	61.97	-24.68	
2	L1	0.2436	15.72	AVG	10.03	25.75	51.97	-26.22	
3	L1	0.4620	39.62	QP	10.03	49.65	56.66	-7.01	
4	L1	0.4620	27.29	AVG	10.03	37.32	46.66	-9.34	
5	L1	0.9105	28.80	QP	10.03	38.83	56.00	-17.17	
6	L1	0.9105	15.15	AVG	10.03	25.18	46.00	-20.82	
7	L1	2.4705	25.71	QP	10.05	35.76	56.00	-20.24	
8	L1	2.4705	7.55	AVG	10.05	17.60	46.00	-28.40	
9	L1	5.1060	21.04	QP	10.08	31.12	60.00	-28.88	
10	L1	5.1060	10.67	AVG	10.08	20.75	50.00	-29.25	
11	L1	13.6002	26.52	QP	10.20	36.72	60.00	-23.28	
12	L1	13.6002	14.06	AVG	10.20	24.26	50.00	-25.74	

#### Phase Line Plot at 120Vac, 60Hz



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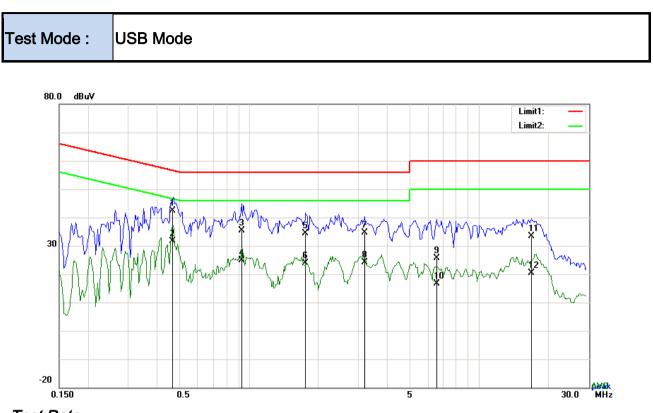


# Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	Ν	0.2670	13.68	QP	10.03	23.71	61.21	-37.50
2	Ν	0.2670	0.66	AVG	10.03	10.69	51.21	-40.52
3	Ν	0.4698	22.24	QP	10.03	32.27	56.52	-24.25
4	Ν	0.4698	7.39	AVG	10.03	17.42	46.52	-29.10
5	Ν	0.9222	13.87	QP	10.03	23.90	56.00	-32.10
6	Ν	0.9222	-1.52	AVG	10.03	8.51	46.00	-37.49
7	Ν	1.6671	11.22	QP	10.04	21.26	56.00	-34.74
8	Ν	1.6671	-1.74	AVG	10.04	8.30	46.00	-37.70
9	Ν	2.1390	11.16	QP	10.04	21.20	56.00	-34.80
10	Ν	2.1390	-2.00	AVG	10.04	8.04	46.00	-37.96
11	Ν	17.2662	10.89	QP	10.26	21.15	60.00	-38.85
12	Ν	17.2662	-1.58	AVG	10.26	8.68	50.00	-41.32



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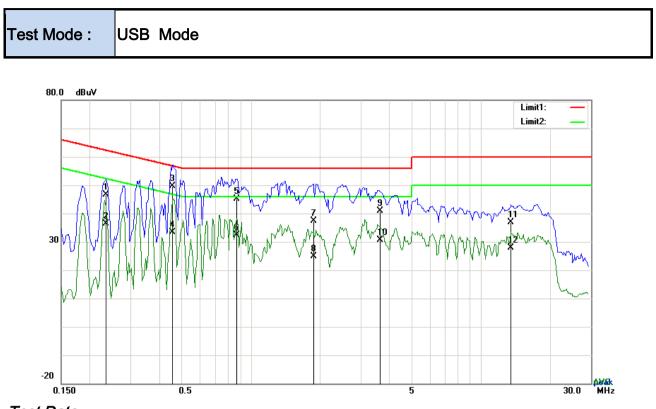
#### Test Data

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)	
1	L1	0.4661	32.30	QP	10.02	42.32	56.58	-14.26	
2	L1	0.4661	21.69	AVG	10.02	31.71	46.58	-14.87	
3	L1	0.9300	25.36	QP	10.03	35.39	56.00	-20.61	
4	L1	0.9300	14.76	AVG	10.03	24.79	46.00	-21.21	
5	L1	1.7646	24.46	QP	10.04	34.50	56.00	-21.50	
6	L1	1.7646	13.91	AVG	10.04	23.95	46.00	-22.05	
7	L1	3.1950	24.46	QP	10.05	34.51	56.00	-21.49	
8	L1	3.1950	14.17	AVG	10.05	24.22	46.00	-21.78	
9	L1	6.5295	15.47	QP	10.09	25.56	60.00	-34.44	
10	L1	6.5295	6.49	AVG	10.09	16.58	50.00	-33.42	
11	L1	16.8723	23.13	QP	10.22	33.35	60.00	-26.65	
12	L1	16.8723	10.23	AVG	10.22	20.45	50.00	-29.55	

#### Phase Line Plot at 240Vac, 60Hz



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#### Test Data

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)	
1	Ν	0.2358	36.54	QP	10.02	46.56	62.24	-15.68	
2	Ν	0.2358	26.37	AVG	10.02	36.39	52.24	-15.85	
3	Ν	0.4581	39.61	QP	10.02	49.63	56.73	-7.10	
4	N	0.4581	23.35	AVG	10.02	33.37	46.73	-13.36	
5	Ν	0.8676	35.21	QP	10.03	45.24	56.00	-10.76	
6	Ν	0.8676	22.25	AVG	10.03	32.28	46.00	-13.72	
7	Ν	1.8699	27.34	QP	10.04	37.38	56.00	-18.62	
8	Ν	1.8699	14.79	AVG	10.04	24.83	46.00	-21.17	
9	Ν	3.6418	30.75	QP	10.06	40.81	56.00	-15.19	
10	Ν	3.6418	20.51	AVG	10.06	30.57	46.00	-15.43	
11	Ν	13.5417	26.81	QP	10.18	36.99	60.00	-23.01	
12	Ν	13.5417	17.69	AVG	10.18	27.87	50.00	-22.13	

#### Phase Neutral Plot at 240Vac, 60Hz



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# 6.2 Radiated Emissions

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

#### Requirement(s):

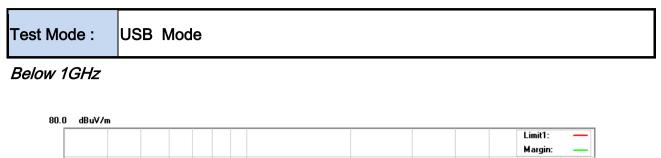
Spec	Item	Requirement	Applicable				
47CFR§15. 109(d)	a)	Except higher limit as specified else emissions from the low-power radio exceed the field strength levels spect the level of any unwanted emission the fundamental emission. The tight edges Frequency range (MHz) 30 – 88 88 – 216 216 - 960					
Test Setup		Above 960 500 Ant. Tower FUT& 3m Support Units Support Units Ground Plane Test Receiver					
Procedure	2.						

3							
SIF	MIC	Test Report	17071300-FCC-E				
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	ove	r a full rotation of the E	UT) 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 resolution	on bandwidth and vide	o bandwidth of test receiver/spectrum analyzer is				
	120 kHz for Quasiy Peak detection at frequency below 1GHz.						
	4. The resolutio	n bandwidth of test red	ceiver/spectrum analyzer is 1MHz and video				
	bandwidth is 1GHz.	3MHz with Peak dete	ection for Peak measurement at frequency above				
	The resolut	ion bandwidth of test r	eceiver/spectrum analyzer is 1MHz and the video				
	bandwidth	with Peak detection for	Average Measurement as below at frequency				
	above 1GH	z.					
	■ 1 kHz (D	uty cycle < 98%) □ 10	) Hz (Duty cycle > 98%)				
	5. Steps 2 and	3 were repeated for th	ne next frequency point, until all selected frequency				
	points were	measured.					
Remark							
Result	Pass	E Fail					
_	Yes Yes (See below)	N/A					



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#### Test Data

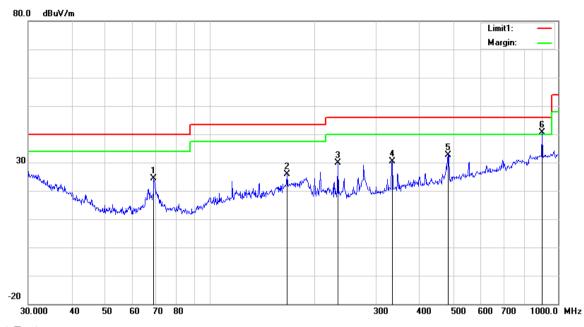
#### Horizontal Polarity Plot @3m

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	Н	69.1141	40.66	peak	7.76	22.38	0.96	27.00	40.00	-13.00	100	116
2	Н	189.7385	38.02	peak	11.54	22.31	1.54	28.79	43.50	-14.71	200	44
3	Н	233.3487	46.19	peak	11.63	22.32	1.65	37.15	46.00	-8.85	100	348
4	н	276.1236	46.03	peak	12.55	22.29	1.75	38.04	46.00	-7.96	100	89
5	н	480.5276	32.84	peak	17.31	21.85	2.31	30.61	46.00	-15.39	100	192
6	н	830.4002	36.62	QP	21.73	21.07	2.91	40.19	46.00	-5.81	100	58



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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	V	68.8721	38.07	peak	7.74	22.38	0.96	24.39	40.00	-15.61	100	162
2	V	166.6514	34.71	peak	12.07	22.26	1.37	25.89	43.50	-17.61	100	253
3	V	232.5318	38.81	peak	11.64	22.32	1.64	29.77	46.00	-16.23	100	62
4	V	333.6867	36.43	peak	14.31	22.20	1.96	30.50	46.00	-15.50	100	28
5	V	483.9094	34.81	peak	17.38	21.84	2.33	32.68	46.00	-13.32	100	266
6	V	900.1474	36.00	QP	22.50	20.88	3.07	40.69	46.00	-5.31	100	99



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#### Above 1GHz

Frequency	Read_level	A — incu dh	Height	Polarity	Level	Factors	Limit	Margin	Detector
(MHz)	(dBµV/m)	Azimuth	(cm)	(H/V)	(dBµV/m)	(dB)	(dBµV/m)	(dB)	(PK/AV)
2813.1	60.71	62	100	V	-12.34	48.37	74	-25.63	PK
4712.75	49.93	218	100	V	-5.27	44.66	74	-29.34	PK
1020.33	69.42	195	100	V	-20.7	48.72	74	-25.28	PK
3121.26	56.3	235	100	Н	-12.44	43.86	74	-30.14	РК
4999.53	52.01	168	100	н	-2.77	49.24	74	-24.76	PK
1011.29	65.05	305	100	Н	-19.91	45.14	74	-28.86	PK

*Note1: The highest frequency of the EUT is 2567.5 MHz, so the testing has been conformed to* 5\*2567.5MHz=12,838MHz.

Note2: 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. Note4: The radiated spurious test above 18GHz is subcontracted to SIEMIC (Nanjing-China) Laboratories. and found 30dB below the limit at least.



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# Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
AC Line Conducted Emis	ssions		1		1
EMI test receiver	ESCS30	8471241027	09/15/2017	09/14/2018	
Line Impedance	LI-125A	191106	09/23/2017	09/22/2018	V
Stabilization Network	LI-125A	131100	03/23/2011	03/22/2010	
Line Impedance	LI-125A	191107	09/23/2017	09/22/2018	
Stabilization Network	LI-IZJA	191107	09/20/2011	03/22/2010	
ISN	ISN T800	34373	09/23/2017	09/22/2018	
Transient Limiter	LIT-153	531118	08/30/2017	08/29/2018	•
Radiated Emissions					
EMI test receiver	ESL6	100262	09/15/2017	09/14/2018	
OPT 010 AMPLIFIER	8447E	2727A02430	08/30/2017	08/29/2018	V
(0.1-1300MHz)	0447 E	2121A02430	00/30/2017	00/29/2010	
Microwave Preamplifier	8449B	3008A02402	03/23/2017	03/22/2018	<b>V</b>
(1~26.5GHz)	0449D	3000A02402	03/23/2017	03/22/2010	
Bilog Antenna	JB6	A110712	09/19/2017	09/18/2018	
(30MHz~6GHz)	JDO	A110712	09/19/2017	09/10/2010	
Double Ridge Horn	AH-118	71259	09/22/2017	09/21/2018	•
Antenna	AIFTIO	11209	03/22/2017	03/21/2010	
Horn Antenna	BBHA9170	3145226D1	09/27/2017	09/26/2018	>



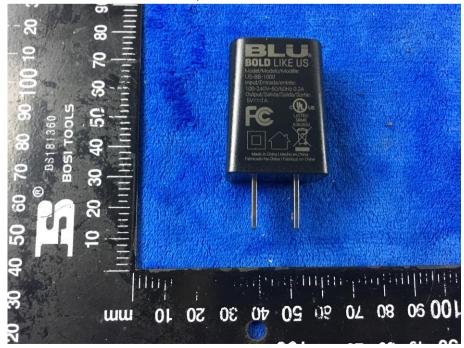
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## Annex B. EUT And Test Setup Photographs

#### Annex B.i. Photograph: EUT External Photo



Adapter - Lable View





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EUT - Front View



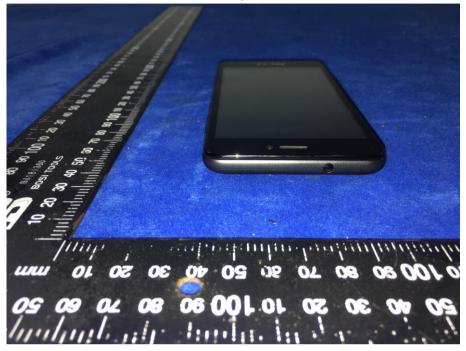
EUT - Rear View





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EUT - Top View



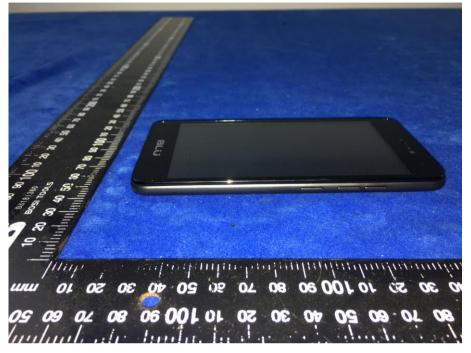
EUT - Bottom View



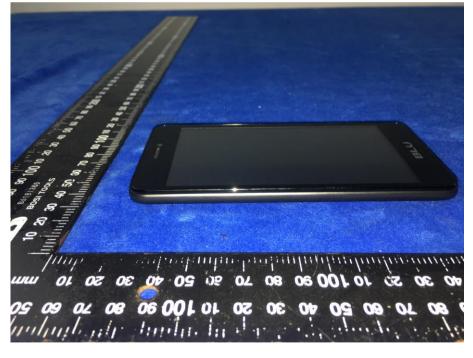


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EUT - Left View



EUT - Right View





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



Cover Off - Top View 2





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Battery - Front View



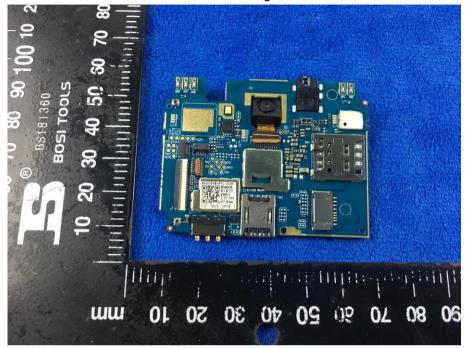
#### Battery - Rear View





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Mainboard with Shielding - Front View



Mainboard without Shielding - Front View



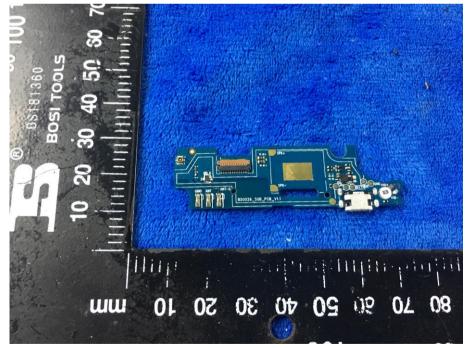


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Mainboard without Shielding - Rear View



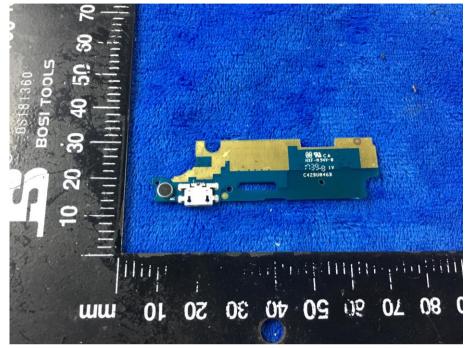
Smallboard – Front View





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Smallboard - Rear View



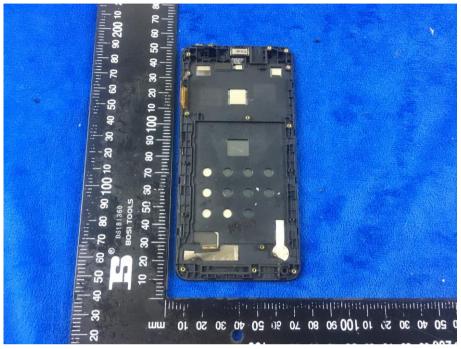
LCD - Front View





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LCD - Rear View



GSM/PCS/UMTS-FDD/LTE Antenna View





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WIFI/BT/BLE/GPS - Antenna View



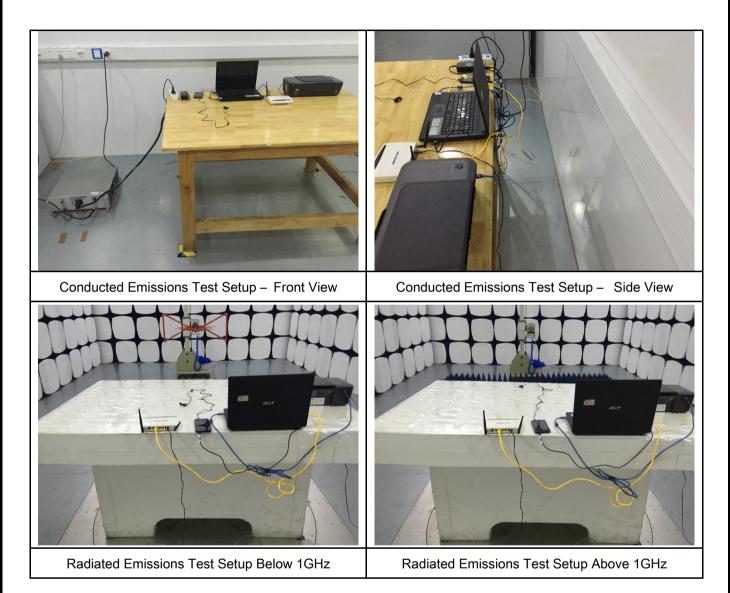






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#### Annex B.iii. Photograph: Test Setup Photo

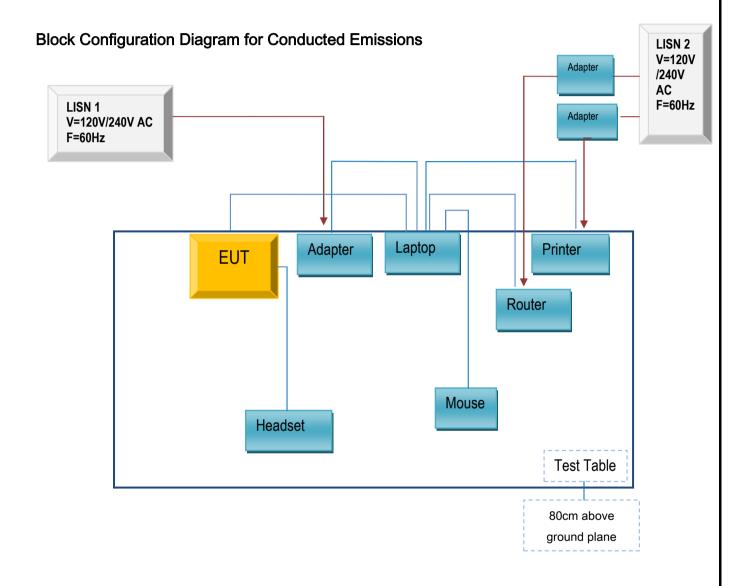




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# Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

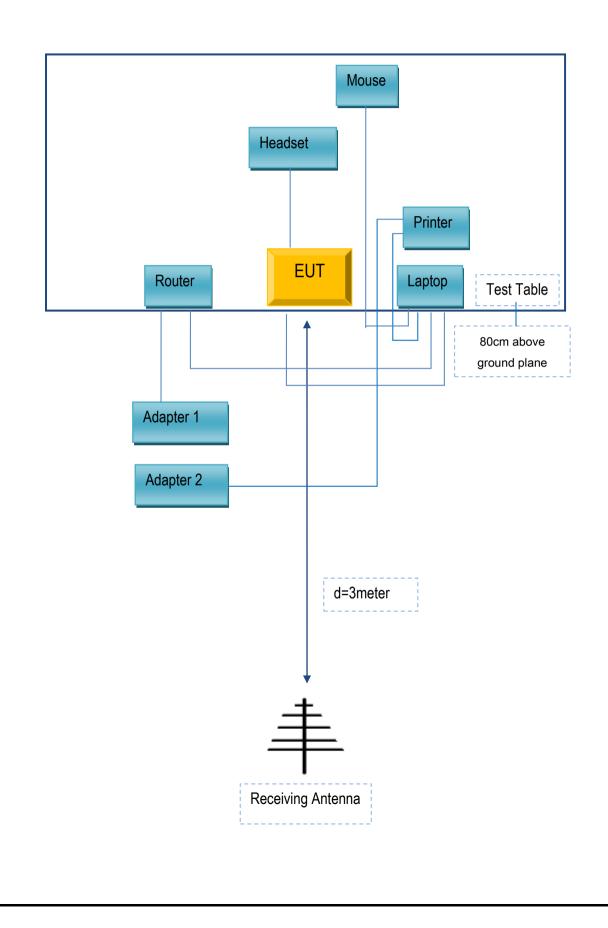
#### Annex C.ii. TEST SET UP BLOCK





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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
SAMSUNG	headset	HS330	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