FCC Test Report

APPLICANT : BLU Products, Inc.

EQUIPMENT: mobile phone

BRAND NAME : BLU
MODEL NAME : VIVO 8

FCC ID : YHLBLUVIVO8

STANDARD : FCC 47 CFR FCC Part 15 Subpart B

CLASSIFICATION: Certification

The product was received on May 05, 2017 and testing was completed on May 27, 2017. We, SPORTON International (ShenZhen) INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON International (ShenZhen) INC., the test report shall not be reproduced except in full.

Prepared by: Eric Shih / Manager

Frie Shih

Approved by: Jones Tsai / Manager

lac-MRA



Report No.: FC750505

SPORTON International (ShenZhen) INC.

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan District, Shenzhen City, Guangdong Province, China

SPORTON International (ShenZhen) INC.

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUVIVO8 Page Number : 1 of 24
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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC750505	Rev. 01	Initial issue of report	Jun. 23, 2017

SPORTON International (ShenZhen) INC.

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SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	n Limit		Remark
					Under limit
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	3.39 dB at
					0.200 MHz
					Under limit
2.0	15.109	.109 Radiated Emission	< 15.109 limits	PASS	5.06 dB at
3.2					81.840 MHz
					for Quasi-Peak

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1. General Description

1.1. Applicant

BLU Products, Inc.

10814 NW 33rd St # 100 Doral, FL 33172

1.2. Manufacturer

BLU Products, Inc.

10814 NW 33rd St # 100 Doral, FL 33172

1.3. Product Feature of Equipment Under Test

	Product Feature
Equipment	mobile phone
Brand Name	BLU
Model Name	VIVO 8
FCC ID	YHLBLUVIVO8
	GSM/GPRS/EGPRS
ELIT cumparts Badica application	WCDMA/HSPA/HSPA+/DC-HSDPA/LTE
EUT supports Radios application	WLAN 2.4GHz 802.11b/g/n HT20/HT40
	Bluetooth v3.0+EDR/ Bluetooth v4.0LE
IMEL Code	Conduction: 354147042340795/354147042340790
IMEI Code	Radiation: 354147045342445/354147042392440
HW Version	Vivo 8_Mainboard_P3
SW Version	Vivo 8_2305_V6811
EUT Stage	Pre-Production

Remark:

The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

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1.4. Product Specification of Equipment Under Test

Standarda valated Draduct Charliffication					
Standards-related Product Specification					
	GSM850: 824.2 MHz ~ 848.8 MHz				
	GSM1900: 1850.2 MHz ~ 1909.8MHz				
	WCDMA Band V: 826.4 MHz ~ 846.6 MHz				
	WCDMA Band IV : 1712.4 MHz ~ 1752.6 MHz				
	WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz				
Tx Frequency	LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz				
TX Toquonoy	LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz				
	LTE Band 7 : 2502.5 MHz ~ 2567.5 MHz				
	LTE Band 12: 699.7 MHz ~ 715.3 MHz				
	LTE Band 17 : 706.5 MHz ~ 713.5 MHz				
	802.11b/g/n: 2412 MHz ~ 2462 MHz				
	Bluetooth: 2402 MHz ~ 2480 MHz				
	GSM850: 869.2 MHz ~ 893.8 MHz				
	GSM1900: 1930.2 MHz ~ 1989.8 MHz				
	WCDMA Band V: 871.4 MHz ~ 891.6 MHz				
	WCDMA Band IV : 2112.4 MHz ~ 2152.6 MHz				
	WCDMA Band II: 1932.4 MHz ~ 1987.6 MHz				
	LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz				
Rx Frequency	LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz				
RX Frequency	LTE Band 7 2622.5MHz ~ 2687.5 MHz				
	LTE Band 12: 729.7 MHz ~ 745.3 MHz				
	LTE Band 17 : 736.5 MHz ~ 743.5 MHz				
	802.11b/g/n: 2412 MHz ~ 2462 MHz				
	Bluetooth: 2402 MHz ~ 2480 MHz				
	GPS : 1.57542 GHz				
	Glonass: 1602 MHz + n× 0.5625MHz (n=-7,-6,-5,0,,6)				
	WWAN : FPC Antenna				
Antenna Type	WLAN: FPC Antenna				
Antenna Type	Bluetooth : FPC Antenna				
	GPS/Glonass : FPC Antenna				
	GSM: GMSK				
	GPRS: GMSK				
	EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK				
	WCDMA: BPSK (Uplink)				
	HSDPA/DC-HSDPA: QPSK (Uplink)				
	HSUPA: QPSK (Uplink)				
	HSPA+: 16QAM				
	DC-HSDPA: 64QAM				
Type of Modulation	LTE: QPSK / 16QAM				
	802.11b: DSSS (DBPSK / DQPSK / CCK)				
	802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)				
	Bluetooth LE : GFSK				
	Bluetooth (1Mbps) : GFSK				
	Bluetooth (2Mbps) : π /4-DQPSK				
	Bluetooth (3Mbps): 8-DPSK				
	GPS/Glonass: BPSK				
	Gr Grandido . Dr Gr				

SPORTON International (ShenZhen) INC.

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1.5. Modification of EUT

No modifications are made to the EUT during all test items.

1.6. Test Location

Test Site	SPORTON International (ShenZhen) INC.					
	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan District,					
	Shenzhen City, Guangdong Province, China					
Test Site Location	TEL: +86-755-8637-9589					
	FAX: +86-755-8637-9595					
Took Cita No	Sporton Site No.					
Test Site No.	CO01-SZ					

Test Site	SPORTON International (ShenZhen) INC.				
Test Site Location	No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P. R. China TEL: +86-755- 3320-2398				
Total Olde No.	Sporton Site No. FCC Registration N				
Test Site No.	03CH03-SZ	565805			

Note: The test site complies with ANSI C63.4 2014 requirement.

1.7. Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC 47 CFR FCC Part 15 Subpart B
- ANSI C63.4-2014

Remark:

All test items were verified and recorded according to the standards and without any deviation during the test.

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2. Test Configuration of Equipment Under Test

2.1. Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Frequency range investigated: conduction (150 kHz to 30 MHz), radiation (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

Test Items	Function Type
	Mode 1: GSM 850 Idle + Earphone + Bluetooth Idle + USB Cable(Charging from Adapter) + WLAN Idle + Camera(Rear) <fig.1></fig.1>
	Mode 2: GSM 1900 Idle + Earphone + Bluetooth Idle + USB Cable(Charging from Adapter) + WLAN Idle + Camera(Front) <fig.1></fig.1>
AC Conducted Emission	Mode 3: WCDMA BandV Idle + Earphone + Bluetooth Idle + USB Cable(Charging from Adapter) + WLAN Idle + MPEG4 <fig.1></fig.1>
	Mode 4: LTE Band 4 Idle + Earphone + Bluetooth Idle + USB Cable(Charging from Adapter) + WLAN Idle + Glonass Rx <fig.2></fig.2>
	Mode 5: LTE Band 7 Idle+ Earphone + Bluetooth Idle + USB Cable(Data link with notebook) + WLAN Idle + GPS Rx <fig.3></fig.3>
	Mode 1: GSM 850 Idle + Earphone + Bluetooth Idle + USB Cable(Charging from Adapter) + WLAN Idle + Camera(Rear) <fig.1></fig.1>
	Mode 2: GSM 1900 Idle + Earphone + Bluetooth Idle + USB Cable(Charging from Adapter) + WLAN Idle + Camera(Front) <fig.1></fig.1>
Radiated Emissions < 1GHz	Mode 3: WCDMA BandV Idle + Earphone + Bluetooth Idle + USB Cable(Charging from Adapter) + WLAN Idle + MPEG4 <fig.1></fig.1>
	Mode 4: LTE Band 4 Idle + Earphone + Bluetooth Idle + USB Cable(Charging from Adapter) + WLAN Idle + Glonass Rx <fig.2></fig.2>
	Mode 5: LTE Band 7 Idle+ Earphone + Bluetooth Idle + USB Cable(Data link with notebook) + WLAN Idle + GPS Rx <fig.3></fig.3>
Radiated Emissions ≥ 1GHz	Mode 1: LTE Band 7 Idle+ Earphone + Bluetooth Idle + USB Cable(Data link with notebook) + WLAN Idle + GPS Rx <fig.3></fig.3>

Remark:

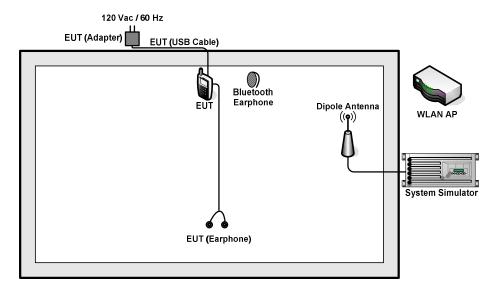
- 1. The worst case of AC is mode 1; and the USB Link mode is mode 5, the test data of this mode was reported.
- 2. The worst case of RE < 1G is mode 5; only the test data of this mode was reported.
- 3. Data Link with Notebook means data application transferred mode between EUT and Notebook.

SPORTON International (ShenZhen) INC.

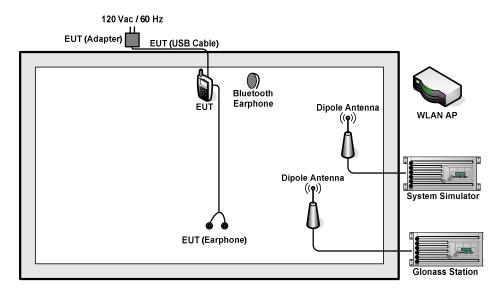
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2.2. Connection Diagram of Test System



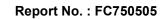
<fig.1>

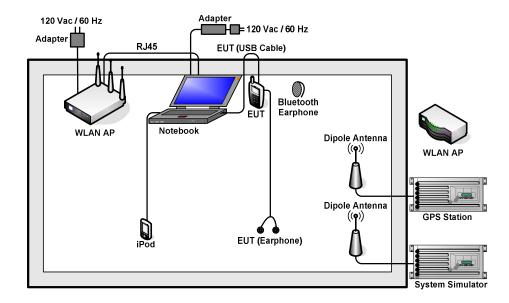


<fig.2>

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<fig.3>

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2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Base Station	Anritsu	MT8820C	Fcc DoC	N/A	Shielded, 1.5m
2.	WLAN AP	ASUSTek	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded,2.7m with Core
3.	Notebook	Lenovo	E540	Fcc DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Bluetooth Earphone	Samsung	HS3000	A3LHS3000	N/A	N/A
5.	GPS Station	ADIVIE	MP9000	Fcc DoC	N/A	Unshielded,1.8m
6.	LABSAT GPS Simulator	RACELOGIC	RLLS03-2P	Fcc DoC	N/A	Unshielded,1.8m
7.	SD Card	Kingston	SDC10/8GB	Fcc DoC	N/A	N/A
8.	WLAN AP	D-link	DIR-820L	KA2IR820LA1	N/A	Unshielded,1.8m
9.	Bluetooth Earphone	Nokia	BH-108	PYAHS-107W	N/A	N/A
10.	Glonass Station	Adivic	MP9000	N/A	N/A	Unshielded,1.8m
11.	SD Card	SanDisk	4G class 4	FCC DoC	N/A	N/A
12.	lpod	Apple	N/A	N/A	Unshielded,1.5m	N/A

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2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA or LTE idle mode during the testing. The EUT was synchronized to the BCCH, and is in continuous receiving mode by setting system simulator's paging reorganization.

At the same time, the EUT was attached to the Bluetooth earphone or WLAN AP, and the following programs installed in the EUT were programmed during the test.

- 1. Data application is transferred between notebook and EUT via USB cable.
- 2. Execute "GPS test" to make the EUT receive continuous signals from GPS/Glonass station.
- 3. Execute "Video Player" to play MPEG4 files.
- 4. Turn on camera to capture images.

SPORTON International (ShenZhen) INC.

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3. Test Result

3.1. Test of AC Conducted Emission Measurement

3.1.1 Limits of AC Conducted Emission

For equipment 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.

Frequency of emission	Conducted limit (dBuV)			
(MHz)	Quasi-peak	Average		
0.15-0.5	66 to 56*	56 to 46*		
0.5-5	56	46		
5-30	60	50		

^{*}Decreases with the logarithm of the frequency.

3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedure

- The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least
 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- 6. Both sides of AC line were checked for maximum conducted interference.
- 7. The frequency range from 150 kHz to 30 MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

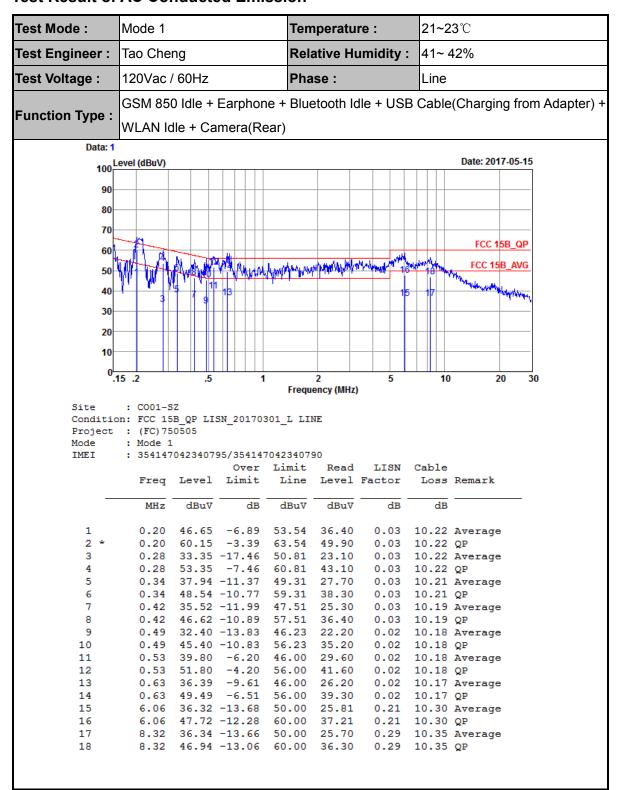
3.1.4 Test Setup



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3.1.5 Test Result of AC Conducted Emission

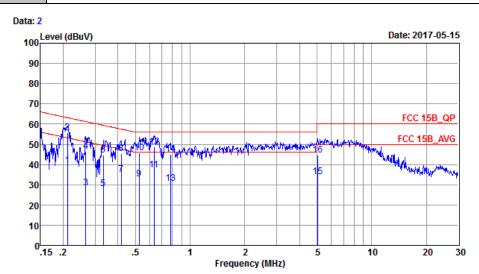


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Test Mode :	Mode 1	Temperature :	21~23℃		
Test Engineer :	Tao Cheng	Relative Humidity :	41~ 42%		
Test Voltage :	120Vac / 60Hz	Phase :	Neutral		
Function Type	GSM 850 Idle + Earphone + Bluetooth Idle + USB Cable(Charging from Adapter) +				
Function Type :	WLAN Idle + Camera(Rear)				



Site : CO01-SZ

Condition: FCC 15B_QP LISN_20170301_N NEUTRAL

Project : (FC)750505

Mode : Mode 1

IMEI : 354147042340795/354147042340790

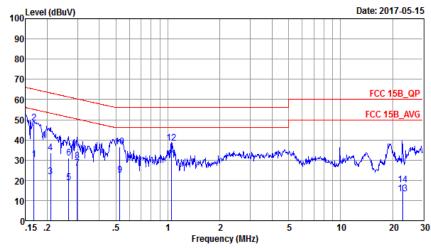
			Over	Limit	Read	LISN	Cable	
	Freq	Level	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBu∀	dB	dBu∀	dBu∀	dB	dB	
1	0.21	39.65	-13.49	53.14	29.40	0.03	10.22	Average
2	0.21	55.55	-7.59	63.14	45.30	0.03	10.22	QP
3	0.27	28.55	-22.70	51.25	18.30	0.03	10.22	Average
4	0.27	46.55	-14.70	61.25	36.30	0.03	10.22	QP
5	0.33	27.94	-21.46	49.40	17.70	0.03	10.21	Average
6	0.33	44.74	-14.66	59.40	34.50	0.03	10.21	QP
7	0.42	34.91	-12.60	47.51	24.70	0.02	10.19	Average
8	0.42	45.31	-12.20	57.51	35.10	0.02	10.19	QP
9	0.52	32.90	-13.10	46.00	22.70	0.02	10.18	Average
10	0.52	45.60	-10.40	56.00	35.40	0.02	10.18	QP
11	0.63	37.19	-8.81	46.00	27.00	0.02	10.17	Average
12 *	0.63	48.69	-7.31	56.00	38.50	0.02	10.17	QP
13	0.78	30.69	-15.31	46.00	20.50	0.03	10.16	Average
14	0.78	45.09	-10.91	56.00	34.90	0.03	10.16	QP
15	5.03	34.05	-15.95	50.00	23.70	0.07	10.28	Average
16	5.03	44.75	-15.25	60.00	34.40	0.07	10.28	QP

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ty: 41~ 42%				
Line				
nction Type : LTE Band 7 Idle+ Earphone + Bluetooth Idle + USB Cable(Data link with notebook)				



Site : CO01-SZ

Condition: FCC 15B_QP LISN_20170301_L LINE Project : (FC)750505

Mode : Mode 5 IMEI : 354147042340795/354147042340790

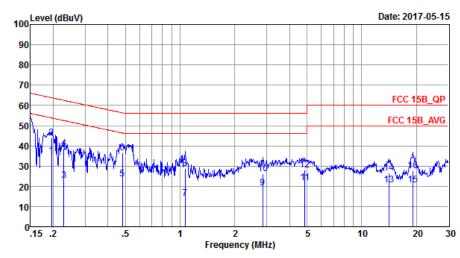
			Over	Limit	Read	LISN	Cable	
	Freq	Level	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBu∀	dB	dBu₹	dBu∀	dB	dB	
1	0.17	30.27	-24.81	55.08	19.90	0.03	10.34	Average
2	0.17	48.47	-16.61	65.08	38.10	0.03	10.34	QP
3	0.21	21.65	-31.58	53.23	11.40	0.03	10.22	Average
4	0.21	33.45	-29.78	63.23	23.20	0.03	10.22	QP
5	0.27	18.65	-32.60	51.25	8.40	0.03	10.22	Average
6	0.27	31.05	-30.20	61.25	20.80	0.03	10.22	QP
7	0.30	25.75	-24.53	50.28	15.50	0.03	10.22	Average
8	0.30	29.65	-30.63	60.28	19.40	0.03	10.22	QP
9	0.53	22.60	-23.40	46.00	12.40	0.02	10.18	Average
10	0.53	36.70	-19.30	56.00	26.50	0.02	10.18	QP
11 *	1.05	30.52	-15.48	46.00	20.30	0.07	10.15	Average
12	1.05	38.32	-17.68	56.00	28.10	0.07	10.15	QP
13	22.90	13.23	-36.77	50.00	1.30	1.34	10.59	Average
14	22.90	17.63	-42.37	60.00	5.70	1.34	10.59	QP

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Test Mode :	Mode 5	Temperature :	21~23℃			
Test Engineer :	Tao Cheng	Relative Humidity :	41~ 42%			
Test Voltage :	120Vac / 60Hz	Phase :	Neutral			
Function Type	3 Cable(Data link with notebook)					
Function Type :	+ WLAN Idle + GPS Rx					



: CO01-SZ

Condition: FCC 15B_QP LISN_20170301_N NEUTRAL

Project : (FC) 750505 Mode

: Mode 5 : 354147042340795/354147042340790

	I	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBu∀	dB	dBu∇	dBu∇	dB	dB	
1 '		0.20		-18.74 -19.84	53.80 63.80	24.80 33.70			Average
3	(0.23	23.05	-29.43	52.48	12.80	0.03	10.22	Average
4 5		0.23 0.48		-23.83 -22.82	62.48 46.32	28.40 13.30			QP Average
6 7		0.48 1.07		-19.72 -32.00	56.32 46.00	26.40 3.80			QP Average
8 9		1.07 2.85		-27.20 -26.76	56.00 46.00	18.60 9.00			QP Average
10 11		2.85 4.87		-29.96 -24.36	56.00 46.00	15.80 11.29			QP Average
12 13	4	4.87 4.21	28.04	-27.96 -29.28	56.00	17.69	0.07	10.28	QP
14	14	4.21	26.42	-33.58	50.00	10.09	0.31	10.32	
15 16		9.12 9.12		-29.46 -32.46	50.00 60.00	9.40 16.40	0.54 0.54	10.60	Average QP

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3.3. Test of Radiated Emission Measurement

3.3.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

Frequency	Field Strength	Measurement Distance
(MHz)	(microvolts/meter)	(meters)
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.3.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3. Test Procedures

- 1. The EUT was placed on a turntable with 0.8 meter above ground.
- 2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest radiation.
- 4. The antenna is a Bi-Log antenna and its height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
- For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
- 6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
- 7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
- 8. Emission level (dB μ V/m) = 20 log Emission level (μ V/m)
- 9. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level

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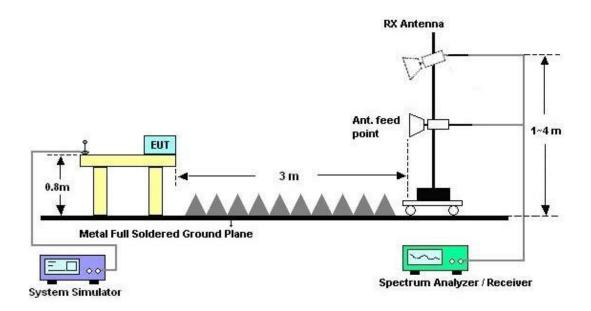
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3.3.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz

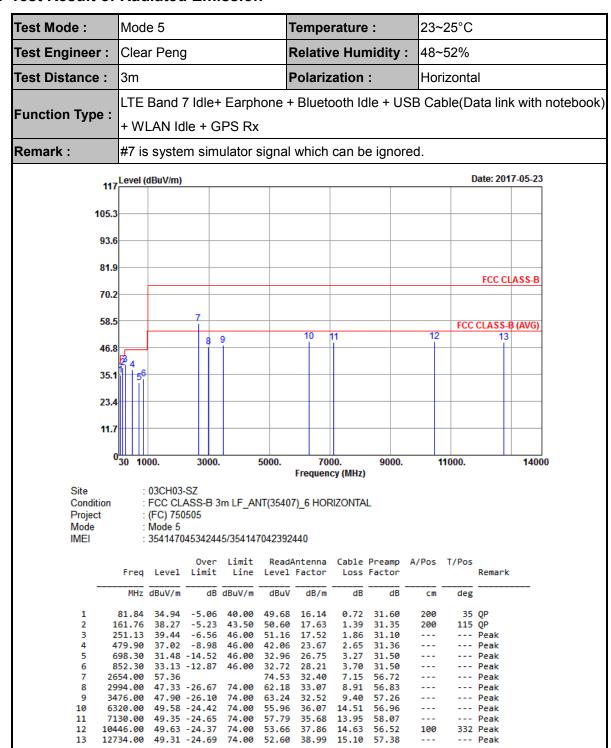


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3.3.5. Test Result of Radiated Emission



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23~25°C Test Mode: Mode 5 Temperature: Test Engineer: Clear Peng **Relative Humidity:** 48~52% Test Distance: 3m Polarization: Vertical LTE Band 7 Idle+ Earphone + Bluetooth Idle + USB Cable(Data link with notebook) **Function Type:** + WLAN Idle + GPS Rx Remark: #7 is system simulator signal which can be ignored. 117 Level (dBuV/m) Date: 2017-05-27 105.3 93.6 81.9 FCC CLASS-B 70.2 58.5 FCC CLASS-B (AVG) 10 11 12 46.8 35.1 23.4 11.7 0<mark>30 1000.</mark> 3000. 5000. 9000. 11000. 14000 7000. Frequency (MHz) Site : 03CH03-SZ Condition : FCC CLASS-B 3m LF_ANT(35407)_6 VERTICAL : (FC) 750505 Project Mode : Mode 5 IMEI : 354147045342445/354147042392440 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB deg cm84.00 31.28 -8.72 40.00 45.90 16.26 0.72 31.60 --- Peak 159.06 39.72 -3.78 43.50 51.96 17.75 1.37 31.36 100 241 Peak 35.44 -10.56 46.00 249.24 17.47 --- Peak 47.21 1.86 31.10 ---479.90 34.34 -11.66 46.00 --- Peak 39.38 23.67 2.65 31.36 --- Peak 33.29 -12.71 46.00 638.10 36.21 3.12 799.80 34.95 -11.05 46.00 34.74 28.10 3.61 --- Peak 2654.00 55.50 72.67 32.40 7.15 56.72 --- Peak

46.78 -27.22 74.00

74.00

74.00

74.00

74.00

74.00

47.70 -26.30

49.43 -24.57

7088.00 48.64 -25.36 10532.00 48.82 -25.18

12450.00 49.61 -24.39

61.98

62.98

55.30

56.78

52.75

53.34

33.00

32.48

35.97

35.76

37.91

38.80

8.62

9.54

15.69

14.16

14.65

15.06

56.82

57.30

58.06

56.49

57.59

2952.00

3540.00

10532.00

12

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--- Peak

--- Peak

--- Peak

--- Peak --- Peak

117 Peak

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4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Jan. 06, 2017	May 15, 2017	Jan. 05, 2018	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	00103912	9kHz~30MHz	Jan. 05, 2017	May 15, 2017	Jan. 04, 2018	Conduction (CO01-SZ)
AC LISN	MessTec	3816/2SH	00103892	9kHz~30MHz	Jan. 05, 2017	May 15, 2017	Jan. 04, 2018	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	61602000089 1	100Vac~250Vac	Jul. 16, 2016	May 15, 2017	Jul. 15, 2017	Conduction (CO01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 20, 2017	May 23, 2017~ May 27, 2017	Apr. 19, 2018	Radiation (03CH03-SZ)
EXA Spectrum Anaiyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 20, 2017	May 23, 2017~ May 27, 2017	Apr. 19, 2018	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	May 14, 2017	May 23, 2017~ May 27, 2017	May 13, 2018	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	ETS Lindgren	3117	00119436	1GHz~18GHz	Nov. 19, 2016	May 23, 2017~ May 27, 2017	Nov. 18, 2017	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102210	0.01Hz ~3000MHz	Oct. 11, 2016	May 23, 2017~ May 27, 2017	Oct. 10, 2017	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	AMF-7D-0010 1800-30-10P- R	1943528	1GHz~18GHz	Oct. 11, 2016	May 23, 2017~ May 27, 2017	Oct. 10, 2017	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	61601000198 5	N/A	NCR	May 23, 2017~ May 27, 2017	NCR	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	May 23, 2017~ May 27, 2017	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	May 23, 2017~ May 27, 2017	NCR	Radiation (03CH03-SZ)

NCR: No Calibration Required

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5. Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of	2.5 dB
Confidence of 95% (U = 2Uc(y))	2.5 UB

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Magazzina Ungortainty for a Loyal of	
Measuring Uncertainty for a Level of	5.1 dB
Confidence of 95% (U = 2Uc(y))	0.1 45

<u>Uncertainty of Radiated Emission Measurement (1GHz ~ 18GHz)</u>

Measuring Uncertainty for a Level of	5.0 dB
Confidence of 95% (U = 2Uc(y))	5.0 UB

Uncertainty of Radiated Emission Measurement (18GHz ~ 40GHz)

Measuring Uncertainty for a Level of	E 0 dB
Confidence of 95% (U = 2Uc(y))	5.0 dB

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