FCC Test Report

APPLICANT : CT Asia (HK) Ltd.

EQUIPMENT: Mobile phone

BRAND NAME : BLU

MODEL NAME : DASH X PLUS

FCC ID : YHLBLUDASHXPLUS

STANDARD : FCC 47 CFR FCC Part 15 Subpart B

CLASSIFICATION : Certification

The product was received on Jul. 31, 2015 and testing was completed on Aug. 20, 2015. 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 C63.4-2009 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.

Reviewed by: Louis Wu / Manager

Louis Wu

Approved by: Jones Tsai / Manager

SPORTON INTERNATIONAL (SHENZHEN) INC.

1F & 2F, Building A, Morning Business Center, No. 4003 ShiGu Rd., Xili Town, Nanshan District, Shenzhen, Guangdong, P. R. China

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Report Issued Date : Aug. 31, 2015

Testing Laboratory 2353

Report No. : FC573102

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC573102	Rev. 01	Initial issue of report	Aug. 31, 2015

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SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	15.107	ICES003 Section 6.1	AC Conducted Emission	< 15.107 limits < ICES003 6.1 limits	PASS	Under limit 7.31 dB at 0.150 MHz
3.2	15.109	ICES003 Section 6.2	Radiated Emission	< 15.109 limits < ICES003 6.2 limits	PASS	Under limit 4.13 dB at 240.060 MHz for peak

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1. General Description

1.1. Applicant

CT Asia (HK) Ltd.

Unit1309-11, 13th Floor 9 Wing Hong Street Cheung Sha Wan Kowloon, Hong Kong

1.2. Manufacturer

CT Asia (HK) Ltd.

Unit1309-11, 13th Floor 9 Wing Hong Street Cheung Sha Wan Kowloon, Hong Kong

1.3. Product Feature of Equipment Under Test

	Product Feature		
Equipment	Mobile phone		
Brand Name	BLU		
Model Name	DASH X PLUS		
FCC ID	YHLBLUDASHXPLUS		
	GSM/GPRS/WCDMA/HSPA		
FUT augusta Badica application	WLAN2.4GHz 802.11b/g/n HT20/HT40		
EUT supports Radios application	Bluetooth v2.1+EDR		
	Bluetooth v4.0 LE		
IMEI Code	Conduction: 351771053504933/351771053512936		
I IWEI Code	Radiation: 351771053504966/351771053512969		
HW Version	S5503-MB-V1.5		
SW Version	DASH X PLUS_V01_GENERIC		
EUT Stage	Production Unit		

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 subjective to this standard

Product Specification subjective to this standard					
Tx Frequency	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 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz				
Rx Frequency	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 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz GPS: 1.57542 GHz				
Antenna Type	WWAN: IFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS: PIFA Antenna				
Type of Modulation	GSM: GMSK GPRS: GMSK WCDMA: QPSK (Uplink) HSDPA: QPSK (Uplink) HSUPA: QPSK (Uplink) 802.11b: DSSS (DBPSK / DQPSK / CCK) 802.11g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) Bluetooth LE: GFSK Bluetooth (1Mbps): GFSK Bluetooth (2Mbps): \pi /4-DQPSK Bluetooth (3Mbps): 8-DPSK GPS: BPSK				

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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.
	1F & 2F,Building A, Morning Business Center, No. 4003 ShiGu Rd., Xili Town,
	Nanshan District, Shenzhen, Guangdong, P. R. China
Test Site Location	TEL: +86-755-8637-9589
	FAX: +86-755-8637-9595
Toot Site 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				
Test Site No.	Sporton Site No.	FCC/IC Registration No.			
Test Site NO.	03CH01-SZ	831040/4086F			

Note: The test site complies with ANSI C63.4 2009 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 C63.4-2009
- IC ICES-003 Issue 5
- IC RSS-Gen Issue 4

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 C63.4-2009 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).

The following tables are showing the test modes as the worst cases and recorded in this report.

		Те	st Condition	on
Item	EUT Configuration	EMI	EMI	EMI
		AC	RE<1G	RE≥1G
1.	Charging Mode (EUT with adapter)	\boxtimes	\boxtimes	Note 1
2.	Data application transferred mode (EUT with notebook)	\boxtimes	\boxtimes	\boxtimes

Abbreviations:

• EMI AC: AC conducted emissions

EMI RE ≥ 1G: EUT radiated emissions ≥ 1GHz

EMI RE < 1G: EUT radiated emissions < 1GHz

Note 1: Testing for this mode is not required or not the worst case.

Remark: For signal above 1GHz, the worst case was test item 2.

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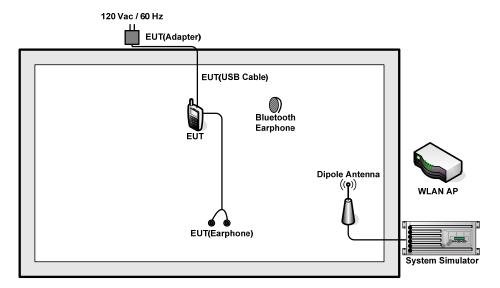
Test Items	EUT Configure Mode	Function Type
		Mode 1: GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera <fig.1></fig.1>
AC Conducted Emission	1/2	Mode 2: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + MPEG4 <fig.1></fig.1>
		Mode 3: WCDMA Band IV Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx <fig.2></fig.2>
		Mode 1: GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera <fig.1></fig.1>
Radiated Emissions < 1GHz	1/2	Mode 2: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + MPEG4 <fig.1></fig.1>
		Mode 3: WCDMA Band IV Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx <fig.2></fig.2>
Radiated Emissions ≥ 1GHz	2	Mode 1: WCDMA Band IV Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx <fig.2></fig.2>

Remark:

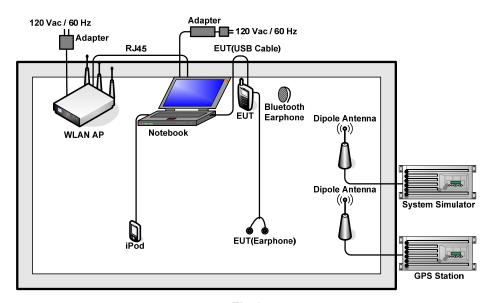
- 1. The worst case of AC is mode 1; and the USB Link mode of AC is mode 3, the test data of these modes were reported.
- 2. The worst case of RE < 1G is mode 3; only the test data of this mode was reported.
- **3.** Data Link with Notebook means data application transferred mode between EUT and Notebook.

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2.2. Connection Diagram of Test System



<Fig.1>



<Fig.2>

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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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	GPS Station	ADIVIC	MP9000	N/A	N/A	Unshielded, 1.8 m
3.	WLAN AP	ASUSTek	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 2.7 m
4.	WLAN AP	D-Link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
5.	Bluetooth Earphone	Nokia	BH-108	PYAHS-107W	N/A	N/A
6.	Notebook	Lenovo	E540	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
7.	SD Card	SanDisk	4G class 4	FCC DoC	N/A	N/A
8.	iPod	Apple	MC525 ZP/A	FCC DoC	Shielded, 1.0 m	N/A
9.	IPod nano 8GB	Apple	MC690 ZP/A	FCC DoC	Shielded, 1.2m	N/A

2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA 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. Turn on GPS function to make the EUT receive continuous signals from GPS station.
- 3. Execute "Video player" to play MPEG4 files.
- 4. Turn on camera to capture images.

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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.

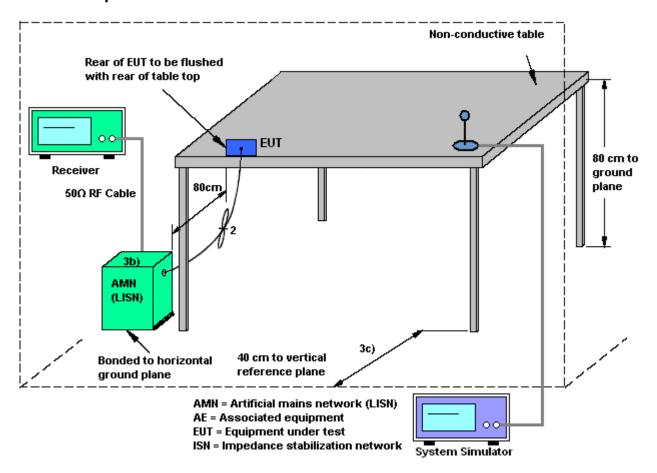
3.1.3 Test Procedure

- 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.

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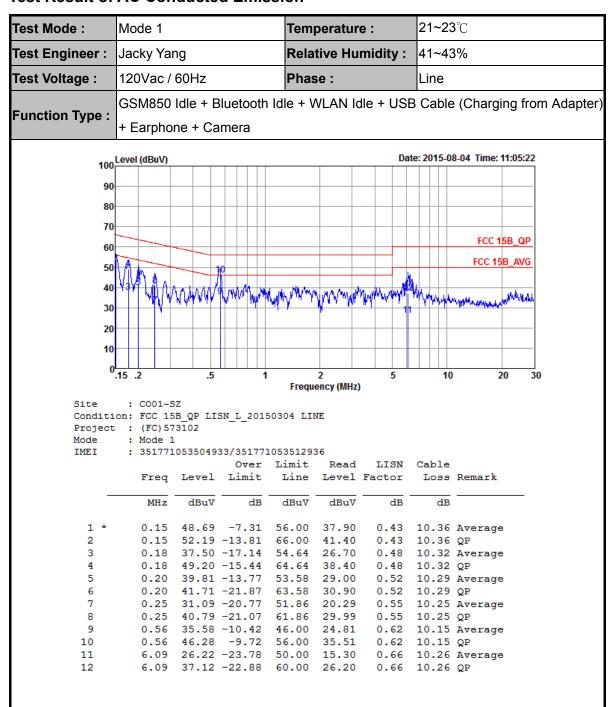
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3.1.4 Test Setup



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3.1.5 Test Result of AC Conducted Emission



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Test Voltage: 120Vac / 60Hz	Test Mode :	Mode 1			Tem	peratur	e:	21~23	3℃	
GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapte + Earphone + Camera 100	Test Engineer :	Jacky Ya	ng		Rela	tive Hu	midity:	41~43	3%	
# Earphone + Camera	Test Voltage :	120Vac /	60Hz		Phas	se :		Neutr	al	
Site CO01-S2	Function Type :				ı Idle + V	VLAN I	dle + USE	3 Cable	e (Chargino	g from Adapter
Site CO01-S2	100	Level (dBuV)					Dat	e: 2015-0	8-04 Time: 11:0	09:19
FCC 15B QP FCC 15B QP FCC 15B AVG										
FCC 15B QP FCC 15B AVG	90									
FCC 15B QP FCC 15B AVG	80									
Site CO01-SZ	70									
Site CO01-SZ Condition: FCC 15B QP LISN N 20150304 NEUTRAL	60								FCC 15B	_QP
Site C001-S2									FCC 15B	AVG
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	1 2 3 4 5 6 7 8 9 *	MHz 0.18 0.18 0.21 0.25 0.25 0.25 0.25 0.28 0.57 0.57 6.19	dBuV 33.11 42.51 30.10 39.20 26.20 35.90 25.39 33.49 36.74 43.14 25.04	Over Limit -21.39 -21.99 -23.26 -24.16 -25.71 -26.01 -25.29 -27.19 -9.26 -12.86 -24.96	Dine dBuV 54.50 64.50 53.36 63.36 51.91 61.91 50.68 60.68 46.00 56.00 50.00	dBuV 22.30 31.70 19.29 28.39 15.40 25.10 14.60 22.70 26.00 32.40 14.10	Garage Part	dB 10.32 10.32 10.29 10.25 10.25 10.25 10.25 10.25 10.21 10.21 10.15 10.15	Average QP Average QP Average QP Average QP Average QP	
	1 2 3 4 5 6 7 8 9 *	MHz 0.18 0.18 0.21 0.25 0.25 0.25 0.25 0.28 0.57 0.57 6.19	dBuV 33.11 42.51 30.10 39.20 26.20 35.90 25.39 33.49 36.74 43.14 25.04	Over Limit -21.39 -21.99 -23.26 -24.16 -25.71 -26.01 -25.29 -27.19 -9.26 -12.86 -24.96	Dine dBuV 54.50 64.50 53.36 63.36 51.91 61.91 50.68 60.68 46.00 56.00 50.00	dBuV 22.30 31.70 19.29 28.39 15.40 25.10 14.60 22.70 26.00 32.40 14.10	Garage Part	dB 10.32 10.32 10.29 10.25 10.25 10.25 10.25 10.25 10.21 10.21 10.15 10.15	Average QP Average QP Average QP Average QP Average QP	

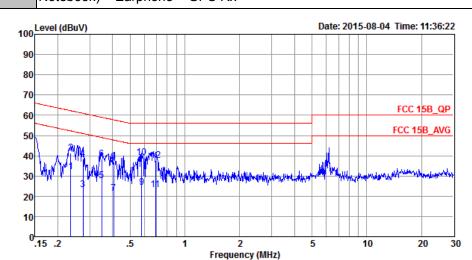
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21~23℃ Test Mode: Mode 3 Temperature : Test Engineer: Jacky Yang Relative Humidity: 41~43% Test Voltage: 120Vac / 60Hz Phase: Line WCDMA Band IV Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Function Type: Notebook) + Earphone + GPS Rx 100 Level (dBuV) Date: 2015-08-04 Time: 11:34:16 90 80 70 FCC 15B_QP 60 FCC 15B_AVG 50 30 20 10 .15 .2 Frequency (MHz) : CO01-SZ Condition: FCC 15B QP LISN L 20150304 LINE Project : (FC) 573102 : Mode 3 Mode IMEI : 351771053504933/351771053512936 LISN Cable Over Limit Read Freq Level Limit Line Level Factor Loss Remark dB dBu∇ MHz dBu∀ dBu∀ dB dB 1 0.24 27.40 -24.77 52.17 16.61 0.54 10.25 Average 0.24 40.00 -22.17 62.17 29.21 0.26 27.48 -23.81 51.29 16.69 0.54 10.25 QP 0.56 10.23 Average 2 3 0.26 40.08 -21.21 61.29 29.29 0.56 10.23 QP 0.37 18.13 -30.39 48.52 7.40 0.37 33.03 -25.49 58.52 22.30 5 7.40 0.55 10.18 Average 10.18 QP 0.55 0.41 18.32 -29.32 47.64 0.55 10.17 Average 7 7.60 0.41 34.82 -22.82 57.64 24.10 0.55 10.17 QP 0.55 18.19 -27.81 46.00 7.40 0.64 10.15 Ave 0.55 31.89 -24.11 56.00 21.10 0.64 10.15 QP 8 9 10.15 Average 10 11 0.61 15.74 -30.26 46.00 5.00 0.59 10.15 Average 0.61 31.24 -24.76 56.00 20.50 0.59 10.15 QP

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Test Mode :	Mode 3	Temperature :	21~23℃			
Test Engineer :	Jacky Yang	Relative Humidity :	41~43%			
Test Voltage :	120Vac / 60Hz	Phase :	Neutral			
Function Tune	WCDMA Band IV Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with					
Function Type :	Notebook) + Farphone + GPS Rx					



: CO01-SZ

Condition: FCC 15B_QP LISN_N_20150304 NEUTRAL

Project : (FC) 573102 Mode : Mode 3

: 351771053504933/351771053512936 IMEI

			Over	Limit	Read	LISN	Cable	
	Freq	Level	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBu∇	dB	dBu∀	dBuV	dB	dB	
1	0.24	32.10	-20.16	52.26	21.30	0.54	10.26	Average
2	0.24	41.40	-20.86	62.26	30.60	0.54	10.26	QP
3	0.28	23.29	-27.65	50.94	12.50	0.57	10.22	Average
4	0.28	38.29	-22.65	60.94	27.50	0.57	10.22	QP
5	0.35	27.65	-21.35	49.00	16.89	0.57	10.19	Average
6	0.35	38.45	-20.55	59.00	27.69	0.57	10.19	QP
7	0.41	21.52	-26.21	47.73	10.80	0.55	10.17	Average
8	0.41	37.02	-20.71	57.73	26.30	0.55	10.17	QP
9	0.58	24.24	-21.76	46.00	13.51	0.58	10.15	Average
10 *	0.58	38.94	-17.06	56.00	28.21	0.58	10.15	QP
11	0.69	23.30	-22.70	46.00	12.60	0.55	10.15	Average
12	0.69	37.70	-18.30	56.00	27.00	0.55	10.15	QP

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3.2. Test of Radiated Emission Measurement

3.2.1. 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		

3.2.2. Measuring Instruments

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

3.2.3. Test Procedures

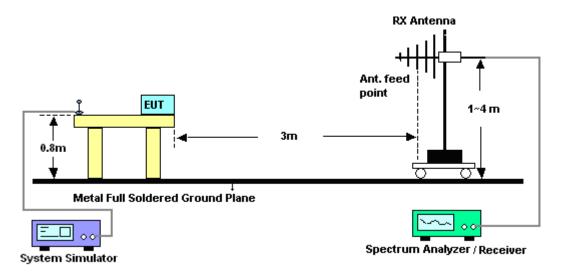
- 1. The EUT was placed on a turntable with 0.8 meter above ground.
- 2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest radiation.
- 4. The 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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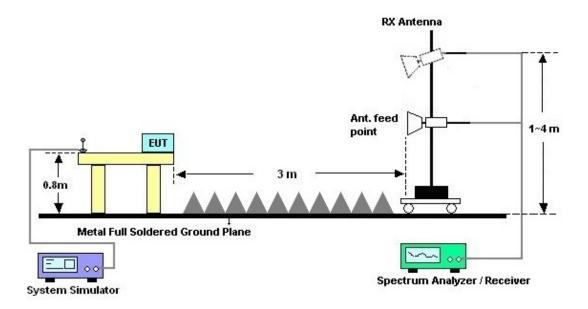
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3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz

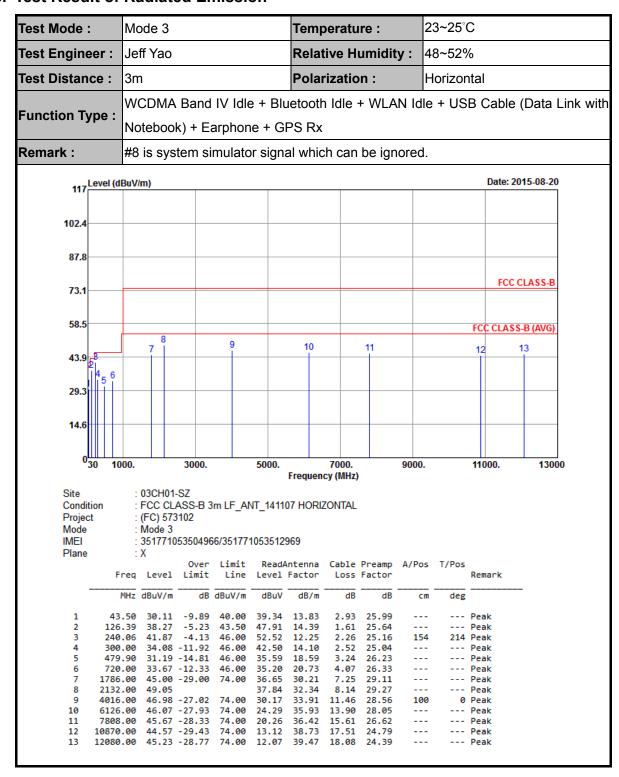


For radiated emissions above 1GHz



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3.2.5. Test Result of Radiated Emission



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23~25°C Test Mode: Mode 3 Temperature: Test Engineer: Jeff Yao **Relative Humidity:** 48~52% Test Distance: 3m Polarization: Vertical WCDMA Band IV Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with **Function Type:** Notebook) + Earphone + GPS Rx Remark: #7 is system simulator signal which can be ignored. 117 Level (dBuV/m) Date: 2015-08-20 102.4 87.8 FCC CLASS-B 73.1 58.5 FCC CLASS-B (AVG) 13 8 10 11 43.9 29.3 14.6 0<mark>30</mark> 1000. 3000. 5000. 9000. 11000. 13000 Frequency (MHz) : 03CH01-SZ Site Condition : FCC CLASS-B 3m LF_ANT_141107 VERTICAL Project (FC) 573102 Mode Mode 3 IMFI 351771053504966/351771053512969 Plane : X 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 dB cmdeg 43.77 31.97 -8.03 40.00 41.20 13.83 2.93 25.99 123 245 Peak 123.96 29.64 -13.86 43.50 39.23 14.46 1.60 25.65 ---Peak 30.17 -15.83 ---3 299.73 46.00 38.59 14.10 2.52 ---Peak 25.04 29.57 -16.43 300.00 46.00 37.99 14.10 2.52 25.04 Peak 28.36 -17.64 46.00 18.59 Peak 6 720.00 36.43 -9.57 46.00 37.96 20.73 4.07 26.33 ------Peak --- Peak 2132.00 50.08 38.87 32.34 8.14 29.27 45.88 -28.12 74.00 8 2658.00 33.02 32.83 9.19 29.16 Peak 44.58 -29.42 4770.00 74.00 25.62 34.37 12.80 28.21 Peak 10 6002.00 46.22 -27.78 74.00 24.79 35.80 13.74 28.11 Peak 11 8840.00 46.19 -27.81 74.00 19.05 36.60 16.52 25.98 Peak 46.83 -27.17 74.00 17.72 12 9788.00 16.66 37.85 25.40 100 0 Peak 12662.00 46.82 -27.18 74.00 --- Peak 13.26 39.20 18.57 24.21

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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	ESCI7	100724	9kHz~3GHz;	Jan. 28, 2015	Aug. 04, 2015	Jan. 27, 2016	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	103892	9kHz~30MHz	Feb. 02, 2015	Aug. 04, 2015	Feb. 01, 2016	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	MessTec	AN3016	16850	9kHz~30MHz	Feb. 02, 2015	Aug. 04, 2015	Feb. 01, 2016	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	61602000089 1	100Vac~250Vac	Sep. 29, 2014	Aug. 04, 2015	Sep. 28, 2015	Conduction (CO01-SZ)
Pulse Limiter	COM-POWER	LIT-153 Transient Limiter	53139	150kHz~30MHz	Oct. 24, 2014	Aug. 04, 2015	Oct. 23, 2015	Conduction (CO01-SZ)
EMI Test Receiver&SA	Agilent Technologies	N9038A	MY52260185	20Hz~26.5GHz	May 26, 2015	Aug. 20, 2015	May 25, 2016	Radiation (03CH01-SZ)
Spectrum Analyzer	R&S	FSV40	101041	10kHz~40GHz; Max 30dBm	Sep. 25, 2014	Aug. 20, 2015	Sep. 24, 2015	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	23188	30MHz~2GHz	Nov. 07, 2014	Aug. 20, 2015	Nov. 06, 2015	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Oct. 15, 2014	Aug. 20, 2015	Oct. 14, 2015	Radiation (03CH01-SZ)
Amplifier	ADVANTEST	BB525C	E9007003	9kHz~3000MHz / 30 dB	Jan. 28, 2015	Aug. 20, 2015	Jan. 27, 2016	Radiation (03CH01-SZ)
Amplifier	Yiai	AV3860B	04030	2GHz~26.5GHz	May 05, 2015	Aug. 20, 2015	May 04, 2016	Radiation (03CH01-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5G Hz	Jan. 28, 2015	Aug. 20, 2015	Jan. 27, 2016	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	61601000198 5	N/A	NCR	Aug. 20, 2015	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Aug. 20, 2015	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Aug. 20, 2015	NCR	Radiation (03CH01-SZ)

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5. Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of	2.3 dB
Confidence of 95% (U = 2Uc(y))	2.3 UB

<u>Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)</u>

Measuring Uncertainty for a Level of	0.0 ID
Confidence of 95% (U = 2Uc(y))	3.9 dB

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