FCC Test Report

APPLICANT : CT Asia (HK) Ltd. EQUIPMENT : 2G Flip phone

BRAND NAME : BLU

MODEL NAME : DIVA FLEX 2.4

FCC ID : YHLBLUDIVAFLX24

STANDARD : FCC 47 CFR FCC Part 15 Subpart B

CLASSIFICATION: Certification

The product was received on Sep. 25, 2015 and testing was completed on Oct. 16, 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.

Prepared by: James Huang / Manager

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

SPORTON INTERNATIONAL (SHENZHEN) INC.

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Testing Laboratory 2353

Report No.: FC592509

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC592509	Rev. 01	Initial issue of report	Oct. 29, 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 3.05 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 3.49 dB at 194.160 MHz for Quasi-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	2G Flip phone				
Brand Name	BLU				
Model Name	DIVA FLEX 2.4				
FCC ID	YHLBLUDIVAFLX24				
EUT supports Radios application	GSM/GPRS/Bluetooth v2.1 + EDR				
IMEI Code	Conduction: 866313028494524/866313028494532 Radiation: 866313028494144/866313028494151				
HW Version	V138-V0.1				
SW Version	V138_20C_CFZZ_BLU_Y05_BT_FM_FL_SC_V01_20150922 1451				
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 subjective to this standard

Product Specification subjective to this standard					
	GSM850 : 824.2 MHz ~ 848.8 MHz				
Tx Frequency	GSM1900 : 1850.2 MHz ~ 1909.8MHz				
	Bluetooth: 2402 MHz ~ 2480 MHz				
	GSM850 : 869.2 MHz ~ 893.8 MHz				
Rx Frequency	GSM1900 : 1930.2 MHz ~ 1989.8 MHz				
	Bluetooth: 2402 MHz ~ 2480 MHz				
Antonno Tymo	WWAN: PIFA Antenna				
Antenna Type	Bluetooth : Core Antenna				
	GSM: GMSK				
	GPRS: GMSK				
Type of Modulation	Bluetooth (1Mbps) : GFSK				
	Bluetooth (2Mbps) : π /4-DQPSK				
	Bluetooth (3Mbps): 8-DPSK				

1.5. Modification of EUT

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

SPORTON INTERNATIONAL (SHENZHEN) INC.

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1.6. Test Location

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.				
	1F & 2F, Building A, Morning Business Center, No. 4003 ShiGu Rd., Xili				
Test Site Location	Town, Nanshan District, Shenzhen, Guangdong, P. R. China				
rest Site Location	TEL: +86-755-8637-9589				
	FAX: +86-755-8637-9595				
Took Site No	Sporton Site No.				
Test Site No.	CO01-SZ				

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.				
	No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan				
Test Site Location	warehouse, Nanshan District, Shenzhen, Guangdong, P. R. China				
	TEL: +86-755- 3320-2398				
Test Site No.	Sporton Site No.	FCC/IC Registration No.			
rest site No.	03CH01-SZ	831040/4086F			

SPORTON INTERNATIONAL (SHENZHEN) INC.

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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.

	EUT Configuration		Test Condition			
Item			ЕМІ	EMI		
		AC	RE<1G	RE≥1G		
1.	Charging Mode (EUT with adapter)	\boxtimes	\boxtimes	\boxtimes		
2.	Data application transferred mode		\bowtie	\boxtimes		
	(EUT connected with notebook)					

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.

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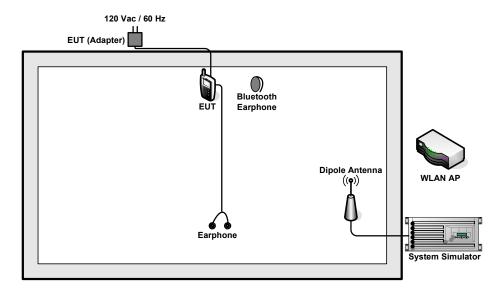
Test Items	EUT Configure Mode	Function Type
		Mode 1: GSM850 Idle + Bluetooth Idle + Adapter + Earphone + Camera + SIM1 <fig.1></fig.1>
AC Conducted Emission	1/2	Mode 2: GSM1900 Idle + Bluetooth Idle + Adapter + Earphone + MPEG4 + SIM2 <fig.1></fig.1>
		Mode 3: GSM850 Idle + Bluetooth Idle + USB Cable (Data Link with Notebook) + Earphone + SIM1 <fig.2></fig.2>
		Mode 1: GSM850 Idle + Bluetooth Idle + Adapter + Earphone + Camera + SIM1 <fig.1></fig.1>
Radiated Emissions < 1GHz	1/2	Mode 2: GSM1900 Idle + Bluetooth Idle + Adapter + Earphone + MPEG4 + SIM2 <fig.1></fig.1>
		Mode 3: GSM850 Idle + Bluetooth Idle + USB Cable (Data Link with Notebook) + Earphone + SIM1 <fig.2></fig.2>
Radiated		Mode 1: GSM1900 Idle + Bluetooth Idle + Adapter + Earphone + MPEG4 + SIM2 <fig.1></fig.1>
Emissions ≥ 1GHz	1/2	Mode 2: GSM850 Idle + Bluetooth Idle + USB Cable (Data Link with Notebook) + Earphone + SIM1 <fig.2></fig.2>

Remark:

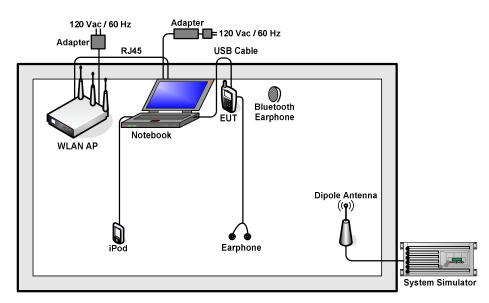
- 1. The worst case of AC is mode 2; and the USB Link mode of AC is mode 3; the test data of these modes were reported.
- 2. The worst case of RE < 1G is mode 2; and the USB Link mode of RE is mode 3; the test data of these modes were reported.
- 3. Link with Notebook means data application transferred 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	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	D-Link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
3.	WLAN AP	ASUSTek	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 2.7 m with Core
4.	Bluetooth Earphone	Nokia	BH-108	PYAHS-107W	N/A	N/A
5.	Notebook	Lenovo	E540	PD97260HU	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	iPod	Apple	MC525 ZP/A	FCC DoC	Shielded, 1.0 m	N/A
7.	iPod nano 8GB	Apple	MC690ZP/A	FCC DoC	Shielded, 1.2 m	N/A
8.	SD Card	SanDisk	4G class 4	FCC DoC	N/A	N/A
9.	iPod Earphone	Apple	MC690ZP/A	FCC DoC	Shielded, 1.6 m	N/A
10.	USB Cable	Motorola	SKN6378A	N/A	N/A	Unshielded, 1.0 m

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2.4. EUT Operation Test Setup

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

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

- 1. Execute the program, "Winthrax" under WIN7 installed in notebook for files transfer with EUT via USB cable.
- 2. Execute "Video player" to play MPEG4 files.
- 3. 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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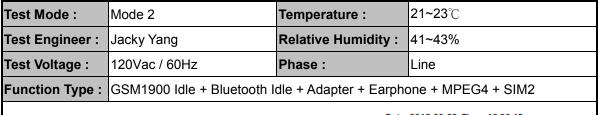
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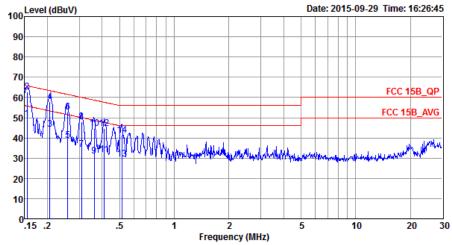
3.1.4 Test Setup



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3.1.5 Test Result of AC Conducted Emission





Site : CO01-SZ

Condition: FCC 15B_QP LISN_L_20150304 LINE

Project : (FC)592509 Mode : Mode 2

Mode : Mode 2 IMEI : 866313028494524/866313028494532

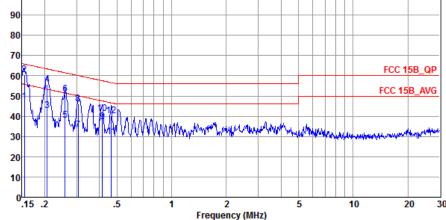
				Over	Limit	Read	LISN	Cable	
		Freq	Level	Limit	Line	Level	Factor	Loss	Remark
		MHz	dBuV	dB	dBu∀	dBu∀	dB	dB	
1		0.15	49.59	-6.15	55.74	38.80	0.44	10.35	Average
2	*	0.15	62.69	-3.05	65.74	51.90	0.44	10.35	QP
3		0.21	44.11	-9.25	53.36	33.30	0.52	10.29	Average
4		0.21	57.81	-5.55	63.36	47.00	0.52	10.29	QP
5		0.26	38.89	-12.58	51.47	28.11	0.55	10.23	Average
6		0.26	52.89	-8.58	61.47	42.11	0.55	10.23	QP
7		0.31	34.46	-15.56	50.02	23.69	0.57	10.20	Average
8		0.31	47.86	-12.16	60.02	37.09	0.57	10.20	QP
9		0.36	31.03	-17.66	48.69	20.30	0.55	10.18	Average
10		0.36	44.83	-13.86	58.69	34.10	0.55	10.18	QP
11		0.41	31.63	-15.96	47.59	20.90	0.56	10.17	Average
12		0.41	44.63	-12.96	57.59	33.90	0.56	10.17	QP
13		0.52	29.51	-16.49	46.00	18.69	0.66	10.16	Average
14		0.52	41.51	-14.49	56.00	30.69	0.66	10.16	QP

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Test Mode :	Mode 2	Temperature :	21~23℃					
Test Engineer :	Jacky Yang	Relative Humidity :	41~43%					
Test Voltage :	120Vac / 60Hz	20Vac / 60Hz Phase : Neutral						
Function Type :	GSM1900 Idle + Bluetooth Idle + Adapter + Earphone + MPEG4 + SIM2							

100 Level (dBuV) Date: 2015-09-29 Time: 16:30:23 90 80 70



: CO01-SZ Site

Condition: FCC 15B_QP LISN_N_20150304 NEUTRAL

Project : (FC) 592509

Mode

: Mode 2 : 866313028494524/866313028494532 IMEI

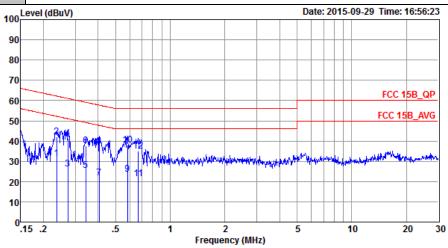
	. 000010020131021,000010020131002								
				Over	Limit	Read	LISN	Cable	
	F:	req	Level	Limit	Line	Level	Factor	Loss	Remark
	1	MHz	dBu∀	dB	dBu∀	dBu∀	dB	dB	
1	0	.15	47.41	-8.33	55.74	36.60	0.46	10.35	Average
2	* 0	.15	60.51	-5.23	65.74	49.70	0.46	10.35	QP
3	0	.21	42.90	-10.46	53.36	32.09	0.52	10.29	Average
4	0	.21	55.60	-7.76	63.36	44.79	0.52	10.29	QP
5	0	.26	37.90	-13.57	51.47	27.11	0.56	10.23	Average
6	0	.26	50.80	-10.67	61.47	40.01	0.56	10.23	QP
7	0	.31	33.39	-16.71	50.10	22.60	0.59	10.20	Average
8	0	.31	46.19	-13.91	60.10	35.40	0.59	10.20	QP
9	0	.41	37.13	-10.42	47.55	26.40	0.56	10.17	Average
10	0	.41	41.33	-16.22	57.55	30.60	0.56	10.17	QP
11	0	.47	29.85	-16.73	46.58	19.10	0.59	10.16	Average
12	0	.47	40.15	-16.43	56.58	29.40	0.59	10.16	QP

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Test Mode :	Mode 3	Temperature :	21~23℃
Test Engineer :	Jackyy Yang	Relative Humidity :	41~43%
Test Voltage :	120Vac / 60Hz	Phase :	Line
F	GSM850 Idle + Bluetooth Idl	e + USB Cable (Data I	_ink with Notebook) + Earphone

Function Type: + SIM1



Site : CO01-SZ

Condition: FCC 15B_QP LISN_L_20150304 LINE

Project : (FC) 592509 Mode : Mode 3

: 866313028494524/866313028494532 IMEI

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBu₹	dB	dBuV	dBu₹	dB	dB	
1	0.24	31.50	-20.72	52.22	20.71	0.54	10.25	Average
2	0.24	41.90	-20.32	62.22	31.11	0.54	10.25	QP
3	0.27	26.28	-24.75	51.03	15.50	0.56	10.22	Average
4	0.27	41.38	-19.65	61.03	30.60	0.56	10.22	QP
5	0.34	25.44	-23.69	49.13	14.69	0.56	10.19	Average
6	0.34	37.54	-21.59	59.13	26.79	0.56	10.19	QP
7	0.41	21.92	-25.81	47.73	11.20	0.55	10.17	Average
8	0.41	37.42	-20.31	57.73	26.70	0.55	10.17	QP
9	0.58	23.76	-22.24	46.00	13.00	0.61	10.15	Average
10 *	0.58	37.96	-18.04	56.00	27.20	0.61	10.15	QP
11	0.67	21.41	-24.59	46.00	10.70	0.56	10.15	Average
12	0.67	35.11	-20.89	56.00	24.40	0.56	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 Type	GSM850 Idle + Bluetooth Idl	e + USB Cable (Data I	Link with Notebook) + Earphone		
Function Type :	+ SIM1				
100 L	Level (dBuV)	Date:	2015-09-29 Time: 16:54:14		
90-					
80-					
70					
60			FCC 15B_QP		
50-	24		FCC 15B_AVG		
40 30-		المراعة والمراجعة	A		
20-	1	And and house transfers of and the same after a few	Name of the second seco		
10					
0-	.5 .1	2 5 Frequency (MHz)	10 20 30		

Site : CO01-SZ

Condition: FCC 15B_QP LISN_N_20150304 NEUTRAL

Project : (FC)592509 Mode : Mode 3 IMEI : 866313028494524/866313028494532

			Over	Limit	Read	LISN	Cable	
	Freq	Level	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBu∀	dB	dBuV	dBuV	dB	dB	
1	0.25	30.60	-21.09	51.69	19.80	0.56	10.24	Average
2	0.25	43.10	-18.59	61.69	32.30	0.56	10.24	QP
3	0.27	26.49	-24.54	51.03	15.70	0.57	10.22	Average
4	0.27	42.29	-18.74	61.03	31.50	0.57	10.22	QP
5	0.35	27.76	-21.29	49.05	17.00	0.57	10.19	Average
6	0.35	39.66	-19.39	59.05	28.90	0.57	10.19	QP
7	0.41	22.22	-25.51	47.73	11.50	0.55	10.17	Average
8	0.41	38.32	-19.41	57.73	27.60	0.55	10.17	QP
9	0.57	22.54	-23.46	46.00	11.80	0.59	10.15	Average
10	0.57	38.04	-17.96	56.00	27.30	0.59	10.15	QP
11	0.69	24.40	-21.60	46.00	13.70	0.55	10.15	Average
12 *	0.69	38.90	-17.10	56.00	28.20	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		

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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.
- 5. 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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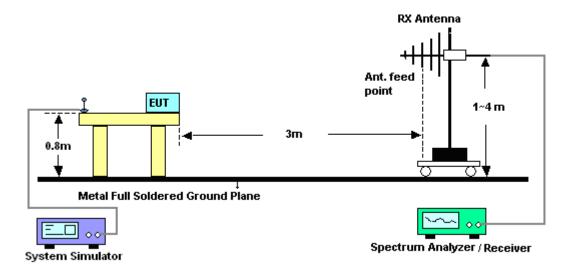
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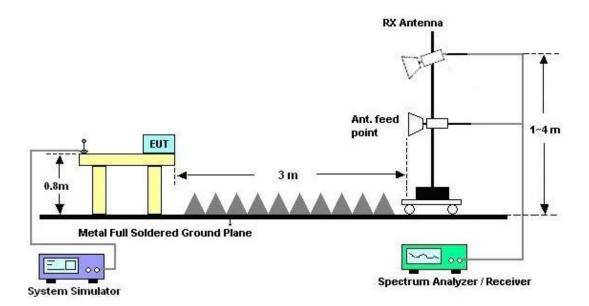
Report No.: FC592509

3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



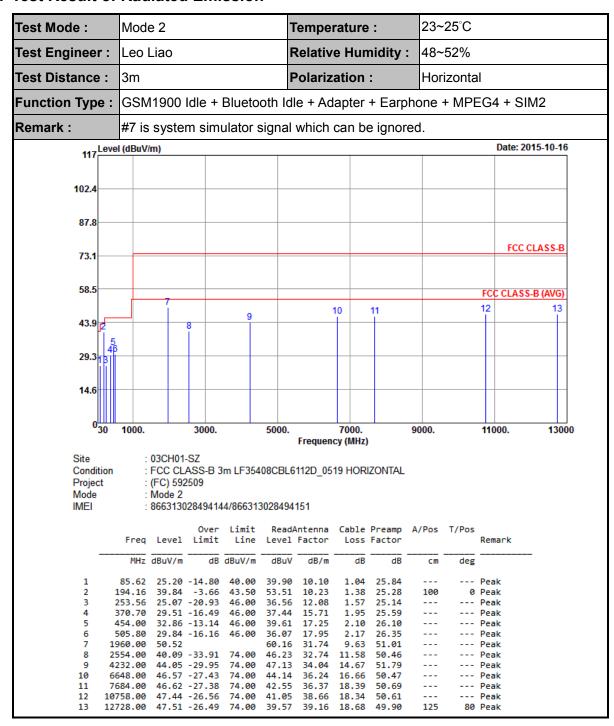
For radiated emissions above 1GHz



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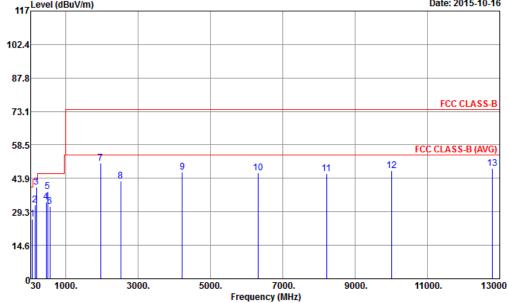
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3.2.5. Test Result of Radiated Emission



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23~25°C Test Mode: Mode 2 Temperature: Test Engineer: Leo Liao Relative Humidity: 48~52% Test Distance: 3m Polarization: Vertical GSM1900 Idle + Bluetooth Idle + Adapter + Earphone + MPEG4 + SIM2 Function Type: #7 is system simulator signal which can be ignored. Remark: 117 Level (dBuV/m) Date: 2015-10-16 102.4 87.8



Site : 03CH01-SZ

Condition : FCC CLASS-B 3m LF35408CBL6112D_0519 VERTICAL

Project : (FC) 592509 Mode : Mode 2

IMEI : 866313028494144/866313028494151

			0ver	Limit	ReadA	ntenna	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	cm	deg	
1	76.44	26.22	-13.78	40.00	42.31	8.74	1.04	25.87			Peak
2	149.61	32.14	-11.36	43.50	45.25	11.21	1.20	25.52			Peak
3	194.16	40.01	-3.49	43.50	53.68	10.23	1.38	25.28	125	80	QP
4	454.00	33.62	-12.38	46.00	40.37	17.25	2.10	26.10			Peak
5	500.20	38.16	-7.84	46.00	44.43	17.90	2.17	26.34			Peak
6	563.20	31.52	-14.48	46.00	37.05	18.47	2.40	26.40			Peak
7	1960.00	50.59			60.23	31.74	9.63	51.01			Peak
8	2520.00	42.54	-31.46	74.00	48.80	32.71	11.46	50.43			Peak
9	4218.00	46.65	-27.35	74.00	49.74	34.03	14.67	51.79			Peak
10	6314.00	46.22	-27.78	74.00	43.81	36.12	16.37	50.08			Peak
11	8214.00	45.97	-28.03	74.00	41.83	36.38	17.71	49.95			Peak
12	10016.00	47.37	-26.63	74.00	40.08	38.11	19.13	49.95			Peak
13	12800.00	48.16	-25.84	74.00	40.25	39.12	18.72	49.93	154	80	Peak

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Test Mode: Mode 3 Temperature: 23~25°C

Test Engineer: Leo Liao Relative Humidity: 48~52%

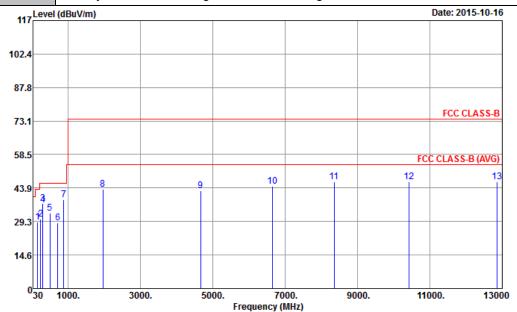
Test Distance: 2m Relative Humidity: Harizontal

Test Distance :3mPolarization :Horizontal

GSM850 Idle + Bluetooth Idle + USB Cable (Data Link with Notebook) + Earphone

+ SIM1

Remark: #7 is system simulator signal which can be ignored.



Site : 03CH01-SZ

Condition : FCC CLASS-B 3m LF35408CBL6112D_0519 HORIZONTAL

Project : (FC) 592509 Mode : Mode 3

IMEI : 866313028494144/866313028494151

	Freq	Level				Antenna Factor				T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	156.09	28.96	-14.54	43.50	42.18	11.06	1.20	25.48			Peak
2	240.06	30.34	-15.66	46.00	42.32	11.61	1.57	25.16			Peak
3	299.73	37.28	-8.72	46.00	46.81	13.80	1.71	25.04	100	0	Peak
4	300.00	36.41	-9.59	46.00	45.94	13.80	1.71	25.04			Peak
5	500.20	32.95	-13.05	46.00	39.22	17.90	2.17	26.34			Peak
6	715.10	28.80	-17.20	46.00	32.83	19.60	2.71	26.34			Peak
7	881.70	38.90			40.91	20.93	2.99	25.93			Peak
8	1958.00	43.27	-30.73	74.00	52.91	31.74	9.63	51.01			Peak
9	4660.00	42.57	-31.43	74.00	44.32	34.29	15.25	51.29			Peak
10	6648.00	44.57	-29.43	74.00	42.14	36.24	16.66	50.47			Peak
11	8354.00	46.57	-27.43	74.00	41.99	36.28	17.94	49.64			Peak
12	10424.00	46.60	-27.40	74.00	40.11	38.43	18.40	50.34			Peak
13	12854.00	46.75	-27.25	74.00	38.88	39.09	18.74	49.96	100	250	Peak

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23~25°C Test Mode: Mode 3 Temperature: Test Engineer: Leo Liao **Relative Humidity:** 48~52% Polarization: Test Distance: 3m Vertical GSM850 Idle + Bluetooth Idle + USB Cable (Data Link with Notebook) + Earphone **Function Type:** + SIM1 Remark: #6 is system simulator signal which can be ignored. 117 Level (dBuV/m) Date: 2015-10-16 102.4 87.8 FCC CLASS-B 73.1 58.5 FCC CLASS-B (AVG) 43.9 29.3 14.6 0<mark>30</mark> 1000. 3000. 5000. 7000. 9000. 11000. 13000 Frequency (MHz) Site : 03CH01-SZ Condition : FCC CLASS-B 3m LF35408CBL6112D 0519 VERTICAL Project : (FC) 592509 Mode : Mode 3 IMEI : 866313028494144/866313028494151 Over Limit ReadAntenna Freq Level Limit Line Level Factor ReadAntenna Cable Preamp A/Pos T/Pos Remark Loss Factor dB dBuV/m MHz dBuV/m dBuV dB/m dB dB deg 99.93 22.31 -21.19 43.50 34.75 12.30 1.04 25.78 --- Peak 26.16 -17.34 43.50 31.47 -14.53 46.00 ------ Peak 166.62 39.37 10.83 1.38 25.42 Peak 41.04 34.02 -11.98 46.00 33.17 -12.83 46.00 518.40 40.14 18.07 2.17 26.36 200 300 Peak 715.10 37.20 19.60 2.71 26.34 ------ Peak 881.70 37.62 39.63 20.93 2.99 25.93 Peak 896.40 30.42 -15.58 46.00 32.18 21.07 3.05 25.88 Peak 1934.00 42.93 -31.07 74.00 31.59 9.48 Peak 4358.00 43.64 -30.36 74.00 46.41 34.12 14.90 51.79 Peak

10

11

6230.00

8188.00

10248.00

12828.00

46.19 -27.81

46.36 -27.64

46.50 -27.50

47.71 -26.29

74.00

74.00

74.00

74.00

43.85

42.30

39.64

39.84

36.03

36.39

38.30

39.10

16.28

17.65

18.73

18.72

49.97

49.98

50.17

49.95

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--- Peak

--- Peak

300 Peak

Peak

4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver&SA	Agilent Technologies	N9038A	MY52260185	20Hz~26.5GHz	May 26, 2015	Oct. 16, 2015	May 25, 2016	Radiation (03CH01-SZ)
Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz;M ax 30dBm	Jun. 07, 2015	Oct. 16, 2015	Jun. 06, 2016	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	23188	30MHz-2GHz	Nov. 07, 2014	Oct. 16, 2015	Nov. 06, 2015	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS Lindgren	3117	00119436	1GHz~18GHz	Nov. 07, 2014	Oct. 16, 2015	Nov. 06, 2015	Radiation (03CH01-SZ)
Amplifier	ADVANTEST	BB525C	E9007003	9kHz ~3000MHz / 30 dB	Jan. 28, 2015	Oct. 16, 2015	Jan. 27, 2016	Radiation (03CH01-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5G Hz	Jan. 28, 2015	Oct. 16, 2015	Jan. 27, 2016	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	61601000198 5	N/A	NCR	Oct. 16, 2015	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Oct. 16, 2015	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Oct. 16, 2015	NCR	Radiation (03CH01-SZ)
EMI Receiver	R&S	ESCI7	100724	9kHz~3GHz;	Jan. 28, 2015	Sep. 29, 2015	Jan. 27, 2016	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	103892	9kHz~30MHz	Feb.02, 2015	Sep. 29, 2015	Feb. 01, 2016	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	MessTec	AN3016	16850	9kHz~30MHz	Feb. 02, 2015	Sep. 29, 2015	Feb. 01, 2016	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	61602000089 1	100Vac~250Vac	Aug. 07, 2015	Sep. 29, 2015	Aug. 06, 2016	Conduction (CO01-SZ)
Radio communication analyzer	Anritsu	MT8820C	6201432833	GSM/WCDMA/L TE	Jan. 28. 2015	Sep. 29, 2015	Jan. 27. 2016	Conduction (CO01-SZ)

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5. Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of	2.3dB
Confidence of 95% (U = 2Uc(y))	2.306

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

Measuring Uncertainty for a Level of	4 EAD
Confidence of 95% (U = 2Uc(y))	4.5dB

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