FCC REPORT

Applicant: Verykool USA Inc

Address of Applicant: 3636 Nobel Drive, Suite 325, San Diego, CA 92122 USA

Equipment Under Test (EUT)

Product Name: Mobile Phone

Model No.: I607A

FCC ID: WA6I607A

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: 07 Nov., 2013

Date of Test: 07 Nov., to 20 Nov., 2013

Date of report issued: 21 Nov., 2013

Test Result: PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Version 2

Version No.	Date	Description
00	21 Nov., 2013	Original

Prepared by:	Shirbey Li	Date:	21 Nov., 2013
	Report Clerk		

Reviewed by: 21 Nov., 2013 Date:

Project No.: CCIS131100464RF

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



3 Contents

		P	age					
1	С	OVER PAGE	1					
2	٧	/ERSION	2					
3	C	CONTENTS						
	_							
4	T	EST SUMMARY	4					
5	G	SENERAL INFORMATION	5					
	5.1	CLIENT INFORMATION	5					
	5.2	GENERAL DESCRIPTION OF E.U.T.	5					
	5.3	TEST MODE	7					
	5.4	DESCRIPTION OF SUPPORT UNITS	7					
	5.5	LABORATORY FACILITY	7					
	5.6	LABORATORY LOCATION						
	5.7	TEST INSTRUMENTS LIST	8					
6	T	EST RESULTS AND MEASUREMENT DATA	9					
	6.1	Antenna requirement:	9					
	6.2	CONDUCTED EMISSIONS	10					
	6.3	CONDUCTED OUTPUT POWER	13					
	6.4	20dB Occupy Bandwidth	17					
	6.5	CARRIER FREQUENCIES SEPARATION.						
	6.6	HOPPING CHANNEL NUMBER						
	6.7	DWELL TIME						
	6.8	PSEUDORANDOM FREQUENCY HOPPING SEQUENCE	_					
	6.9	BAND EDGE						
	-	3.9.1 Conducted Emission Method						
	٠.	5.9.2 Radiated Emission Method						
	6.10							
	_	5.10.1 Conducted Emission Method						
7	T	EST SETUP PHOTO	49					
R	F	UIT CONSTRUCTIONAL DETAILS	51					

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



4 Test Summary

Test Item	Section in CFR 47	Result
Antenna Requirement	15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Peak Output Power	15.247 (b)(1)	Pass
20dB Occupied Bandwidth	15.247 (a)(1)	Pass
Carrier Frequencies Separation	15.247 (a)(1)	Pass
Hopping Channel Number	15.247 (a)(1)	Pass
Dwell Time	15.247 (a)(1)	Pass
Radiated Emission	15.205/15.209	Pass
Band Edge	15.247(d)	Pass

Pass: The EUT complies with the essential requirements in the standard.

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



Project No.: CCIS131100464RF

5 General Information

5.1 Client Information

Applicant:	Verykool USA Inc	
Address of Applicant:	3636 Nobel Drive, Suite 325,San Diego, CA 92122 USA	
Manufacturer:	Verykool Wireless Technology Ltd.	
Address of Manufacturer:	Room 1701, (5th floor),Reward Building C, No.203, 2nd Section of WangJing, Li Ze Zhong Yuan, ChaoYang District, Beijing, P.R. of China 100102	

5.2 General Description of E.U.T.

<u> </u>				
Product Name:	Mobile Phone			
Model No.:	I607A			
Operation Frequency:	2402MHz~2480MHz			
Transfer rate:	1/2/3 Mbits/s			
Number of channel:	79			
Modulation type:	GFSK, π/4-DQPSK, 8DPSK			
Modulation technology:	FHSS			
Antenna Type:	Internal Antenna			
Antenna gain:	-0.76dBi			
Power supply:	Rechargeable Li-ion Battery DC3.7V/700mAh			

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366 Page 5 of 51



Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	20	2422MHz	40	2442MHz	60	2462MHz
1	2403MHz	21	2423MHz	41	2443MHz	61	2463MHz
2	2404MHz	22	2424MHz	42	2444MHz	62	2464MHz
3	2405MHz	23	2425MHz	43	2445MHz	63	2465MHz
4	2406MHz	24	2426MHz	44	2446MHz	64	2466MHz
5	2407MHz	25	2427MHz	45	2447MHz	65	2467MHz
6	2408MHz	26	2428MHz	46	2448MHz	66	2468MHz
7	2409MHz	27	2429MHz	47	2449MHz	67	2469MHz
8	2410MHz	28	2430MHz	48	2450MHz	68	2470MHz
9	2411MHz	29	2431MHz	49	2451MHz	69	2471MHz
10	2412MHz	30	2432MHz	50	2452MHz	70	2472MHz
11	2413MHz	31	2433MHz	51	2453MHz	71	2473MHz
12	2414MHz	32	2434MHz	52	2454MHz	72	2474MHz
13	2415MHz	33	2435MHz	53	2455MHz	73	2475MHz
14	2416MHz	34	2436MHz	54	2456MHz	74	2476MHz
15	2417MHz	35	2437MHz	55	2457MHz	75	2477MHz
16	2418MHz	36	2438MHz	56	2458MHz	76	2478MHz
17	2419MHz	37	2439MHz	57	2459MHz	77	2479MHz
18	2420MHz	38	2440MHz	58	2460MHz	78	2480MHz
19	2421MHz	39	2441MHz	59	2461MHz		

Shenzhen Zhongjian Nanfang Testing Co., Ltd. No.B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



Project No.: CCIS131100464RF

5.3 Test mode

Transmitting mode:	Keep the EUT in transmitting mode with worst case data rate.
Remark	GFSK (1 Mbps) is the worst case mode.

The sample was placed 0.8m above the ground plane of 3m chamber*. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working with a fresh battery, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

5.4 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
DELL	PC	OPTIPLEX745	N/A	DoC
DELL	MONITOR	E178FPC	N/A	DoC
DELL	KEYBOARD	SK-8115	N/A	DoC
DELL	MOUSE	MOC5UO	N/A	DoC

5.5 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

● FCC - Registration No.: 817957

Shenzhen Zhongjian Nanfang Testing Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in out files. Registration 817957, February 27, 2012.

● IC - Registration No.: 10106A-1

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

CNAS - Registration No.: CNAS L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

5.6 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No.B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

Bao'an District, Shenzhen, Guangdong, China

Tel: 0755-23118282 Fax: 0755-23116366

Shenzhen Zhongjian Nanfang Testing Co., Ltd. No.B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366 Page 7 of 51



5.7 Test Instruments list

Radia	Radiated Emission:							
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)		
1	3m Semi- Anechoic Chamber	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	June 09 2013	June 08 2014		
2	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	May 25 2013	May 24 2014		
3	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	May 25 2013	May 24 2014		
4	EMI Test Software	AUDIX	E3	N/A	N/A	N/A		
5	Coaxial Cable	CCIS	N/A	CCIS0016	Apr. 01 2013	Mar. 31 2014		
6	Coaxial Cable	CCIS	N/A	CCIS0017	Apr. 01 2013	Mar. 31 2014		
7	Coaxial cable	CCIS	N/A	CCIS0018	Apr. 01 2013	Mar. 31 2014		
8	Coaxial Cable	CCIS	N/A	CCIS0019	Apr. 01 2013	Mar. 31 2014		
9	Coaxial Cable	CCIS	N/A	CCIS0087	Apr. 01 2013	Mar. 31 2014		
10	Amplifier(10kHz- 1.3GHz)	HP	8447D	CCIS0003	Apr. 01 2013	Mar. 31 2014		
11	Amplifier(1GHz- 18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	June 09 2013	June 08 2014		
12	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	Apr. 01 2013	Mar. 31 2014		
13	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 30 2013	Mar. 29 2014		
14	Printer	HP	HP LaserJet P1007	N/A	N/A	N/A		
15	Positioning Controller	UC	UC3000	CCIS0015	N/A	N/A		
16	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP	CCIS0023	May. 25 2013	May. 24 2014		
17	EMI Test Receiver	Rohde & Schwarz	ESPI	CCIS0022	Apr 01 2013	Mar. 31 2014		
18	Loop antenna	Laplace instrument	RF300	EMC0701	Aug. 12 2013	Aug. 11 2014		
19	Universal radio communication tester	Rhode & Schwarz	CMU200	CCIS0069	May. 25 2013	May. 24 2014		
20	Signal Analyzer	Rohde & Schwarz	FSIQ3	CCIS0088	May. 25 2013	May. 24 2014		

Cond	Conducted Emission:								
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)			
1	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	June 09 2013	June 08 2014			
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	May 25 2013	May 24 2014			
3	LISN	CHASE	MN2050D	CCIS0074	Apr 01 2013	Mar. 31 2014			
4	Coaxial Cable	CCIS	N/A	CCIS0086	Apr. 01 2013	Mar. 31 2014			
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A			

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



Project No.: CCIS131100464RF

6 Test results and Measurement Data

6.1 Antenna requirement:

Standard requirement: FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The Bluetooth antenna is an integral antenna which permanently attached, and the best case gain of the antenna is-0.76dBi.



Shenzhen Zhongjian Nanfang Testing Co., Ltd. No.B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366 Page 9 of 51



Project No.: CCIS131100464RF

6.2 Conducted Emissions

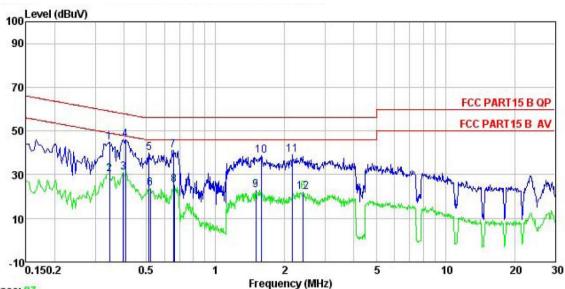
	FCC Part15 C Section 15.207				
Test Method:	ANSI C63.4:2003				
Test Frequency Range:	150 kHz to 30 MHz				
Class / Severity:	Class B				
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Swee	ep time=auto			
Limit:	Fragues and range (MILE)	Limit (d	BuV)		
	Frequency range (MHz)	Quasi-peak	Average		
	0.15-0.5	66 to 56*	56 to 46*		
	0.5-5	56	46		
	5-30	60	50		
	* Decreases with the logarithm of	the frequency.			
Test setup:	Reference Plane LISN 40cm 80cm Filter AC power Equipment Test table/Insulation plane Remark E U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m				
	 The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2003 on conducted measurement. 				
Test Instruments:	Refer to section 5.7 for details				
Test mode:	Bluetooth (Continuous transmitting	g) mode			
Test results:	Pass				

Measurement Data

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366 Page 10 of 51



Line:



Trace: 87

Site : CCIS Conducted test Site
Condition : FCC PART15 B QP LISN LINE
Job. no : 464RF
EUT : Mobile phone
Model : i607A
Test Mode : BT Mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 °C Huni:56% Atmos:101KPa
Test Engineer: aaron
Read LISN Cable Limit

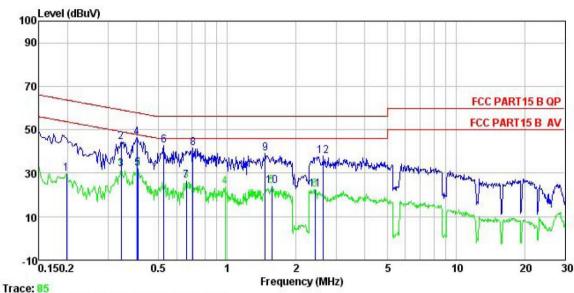
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
,	MHz	dBu∀	<u>dB</u>	<u>d</u> B	dBu₹	dBu√	<u>ab</u>	
1	0.346	33.75	10.27	0.73	44.75	59.05	-14.30	QP
2	0.346	19.35	10.27	0.73	30.35	49.05	-18.70	Average
3	0.398	19.85	10.28	0.72	30.85	47.90	-17.05	Average
1 2 3 4 5	0.406	35.12	10.28	0.72	46.12	57.73	-11.61	QP
5	0.513	28.83	10.26	0.76	39.85	56.00	-16.15	QP
6	0.521	12.73	10.26	0.76	23.75	46.00	-22.25	Average
7 8 9	0.654	30.27	10.20	0.77	41.24	56.00	-14.76	QP
8	0.661	14.45	10.20	0.77	25.42	46.00	-20.58	Average
9	1.495	11.65	10.25	0.92	22.82	46.00	-23.18	Average
10	1.577	27.62	10.26	0.93	38.81	56.00	-17.19	QP
11	2.155	27.83	10.28	0.95	39.06	56.00	-16.94	QP
12	2.409	10.84	10.28	0.94	22.06	46.00	-23.94	Average

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366

Page 11 of 51



Neutral:



Transaction Assessed

Site : CCIS Conducted test Site
Condition : FCC PART15 B QP LISN NEUTRAL

Job. no : 464RF
EUT : Mobile phone
Model : i607A
Test Mode : BT Mode
Power Rating : AC 120V/60Hz

Environment : Temp: 23 °C Huni: 56% Atmos: 101KPa

Test Engineer: aaron

	Freq	Level	Factor	Loss	Level	Limit	Uver Limit	Remark
_	MHz	dBu∜	<u>dB</u>		dBu₹	dBu∇	<u>ab</u>	
1	0.198	18.90	10.23	0.76	29.89			Average
2	0.343	33.60	10.25	0.73	44.58	59.13	-14.55	QP
3	0.343	20.78	10.25	0.73	31.76	49.13	-17.37	Average
4	0.402	35.58	10.26	0.72	46.56	57.81	-11.25	QP
5	0.406	21.21	10.26	0.72	32.19	47.73	-15.54	Average
6	0.527	31.55	10.26	0.76	42.57	56.00	-13.43	QP
7	0.661	15.57	10.18	0.77	26.52	46.00	-19.48	Average
2 3 4 5 6 7 8 9	0.708	30.49	10.16	0.77	41.42	56.00	-14.58	QP
9	1.464	28.08	10.24	0.92	39.24	56.00	-16.76	QP
10	1.568	12.85	10.25	0.93	24.03	46.00	-21.97	Average
11	2,422	11.20	10.27	0.94	22.41			Average
12	2.636	26.87	10.27	0.93	38.07		-17.93	

Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss



6.3 Conducted Output Power

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)			
Test Method:	ANSI C63.4:2003 and DA00-705			
Receiver setup:	RBW=1MHz, VBW=3MHz, Detector=Peak (If 20dB BW ≤1 MHz) RBW=3MHz, VBW=10MHz, Detector=Peak (If 20dB BW > 1 MHz and < 3MHz)			
Limit:	125 mW(21 dBm)			
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane			
Test Instruments:	Refer to section 5.7 for details			
Test mode:	Non-hopping mode			
Test results:	Pass			

Measurement Data

Measurement Data								
	GFSK mode							
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result					
Lowest	6.84	21.00	Pass					
Middle	5.89	21.00	Pass					
Highest	6.10	21.00	Pass					
	π/4-DQPSK ι	mode						
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result					
Lowest	Lowest 6.30		Pass					
Middle	Middle 5.68		Pass					
Highest	Highest 5.92		Pass					
	8DPSK mo	ode						
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result					
Lowest			Pass					
Middle	5.55	21.00	Pass					
Highest	5.71	21.00	Pass					

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



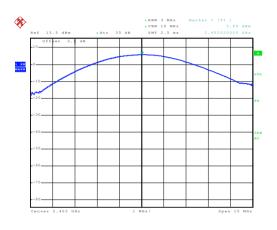
Test plot as follows:

Modulation mode: GFSK



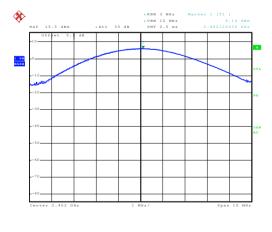
Date: 10.NOV.2013 07:45:43

Lowest channel



Date: 10.NOV.2013 08:00:59

Middle channel

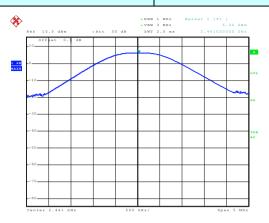


Date: 10.NOV.2013 08:05:06

Highest channel

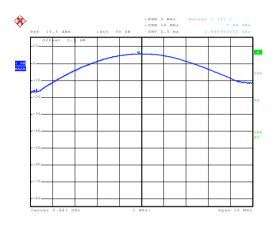


Modulation mode: π/4-DQPSK



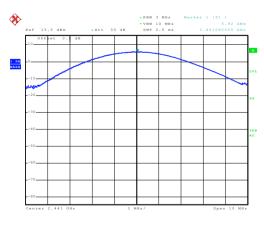
Date: 10.NOV.2013 07:47:22

Lowest channel



Date: 10.NOV.2013 07:59:29

Middle channel

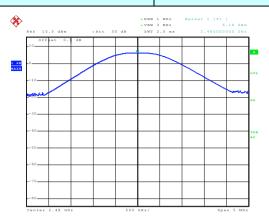


Date: 10.NOV.2013 08:05:54

Highest channel

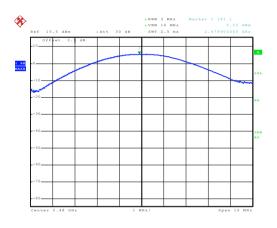


Modulation mode: 8DPSK



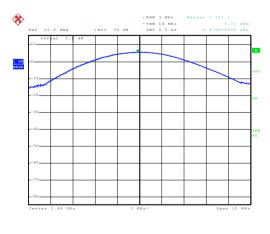
Date: 10.NOV.2013 07:52:08

Lowest channel



Date: 10.NOV.2013 07:53:35

Middle channel



Date: 10.NOV.2013 08:10:32

Highest channel



6.4 20dB Occupy Bandwidth

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)				
Test Method:	ANSI C63.4:2003 and DA00-705				
Receiver setup:	RBW=30 kHz, VBW=100 kHz, detector=Peak				
Limit:	NA NA				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 5.7 for details				
Test mode:	Non-hopping mode				
Test results:	Pass				

Measurement Data

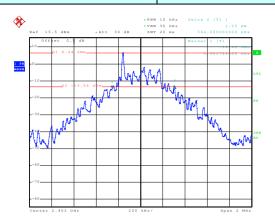
Test channel	Test shown al	20dB Occupy Bandwidth (kHz)			
	GFSK	π/4-DQPSK	8DPSK		
	Lowest	564	1130	1180	
	Middle	560	1130	1180	
	Highest	560	1130	1180	

Test plot as follows:

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366 Page 17 of 51

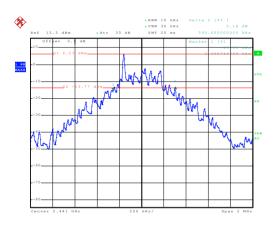


Modulation mode: GFSK



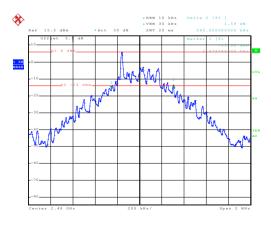
Date: 10.NOV.2013 07:43:13

Lowest channel



Date: 10.NOV.2013 07:49:03

Middle channel

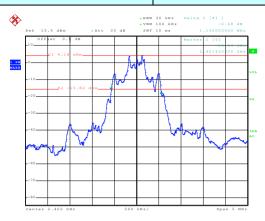


Date: 10.NOV.2013 07:50:52

Highest channel

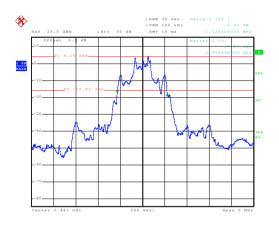


Modulation mode: π/4-DQPSK



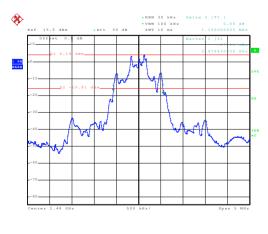
Date: 10.NOV.2013 08:02:39

Lowest channel



Date: 10.NOV.2013 07:58:20

Middle channel

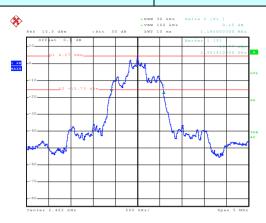


Date: 10.NOV.2013 07:56:13

Highest channel

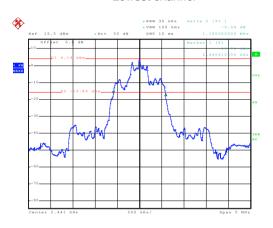


Modulation mode: 8DPSK



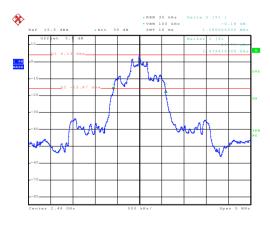
Date: 10.NOV.2013 08:04:03

Lowest channel



Date: 10.NOV.2013 08:07:17

Middle channel

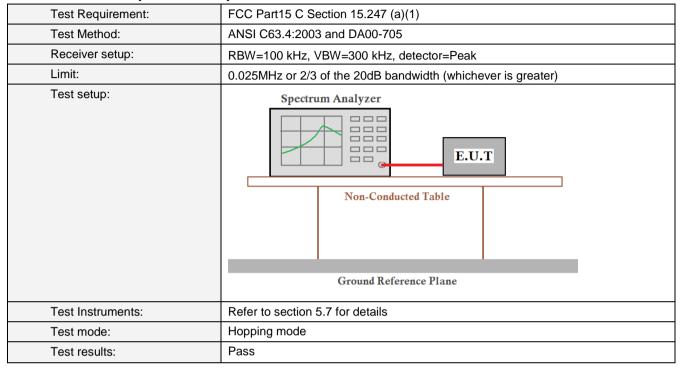


Date: 10.NOV.2013 08:09:16

Highest channel



6.5 Carrier Frequencies Separation



Measurement Data

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



GFSK mode					
Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result		
Lowest	1000	376.000	Pass		
Middle	1000	376.000	Pass		
Highest	1000	376.000	Pass		
	π/4-DQPSK mod	le			
Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result		
Lowest	1000	753.333	Pass		
Middle	1000	753.333	Pass		
Highest	1000	753.333	Pass		
	8DPSK mode				
Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result		
Lowest	1000	786.667	Pass		
Middle	1000	786.667	Pass		
Highest	1000	786.667	Pass		

Note: According to section 6.4

Note: Necoraling to section 6.4						
Mode	20dB bandwidth (kHz)	Limit (kHz)				
	(worse case)	(Carrier Frequencies Separation)				
GFSK	1180	376.000				
π/4-DQPSK	1180	753.333				
8DPSK	1180	786.667				

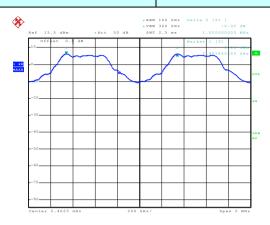
Test plot as follows:

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366

Page 22 of 51

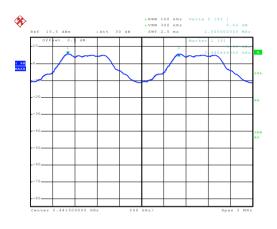


Modulation mode: GFSK



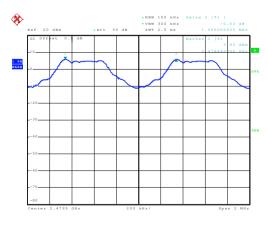
Date: 10.NOV.2013 10:41:19

Lowest channel



Date: 10.NOV.2013 10:51:48

Middle channel

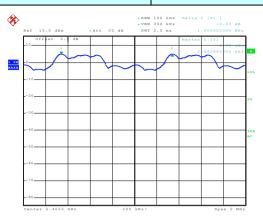


Date: 13.NOV.2013 17:10:50

Highest channel

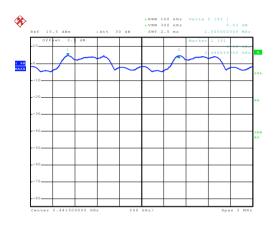


Modulation mode: π/4-DQPSK



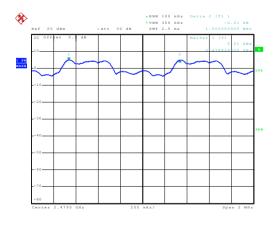
Date: 10.NOV.2013 10:45:53

Lowest channel



Date: 10.NOV.2013 10:54:16

Middle channel

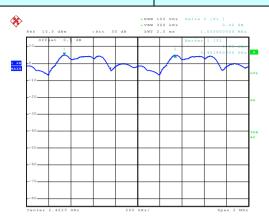


Date: 13.NOV.2013 17:09:12

Highest channel

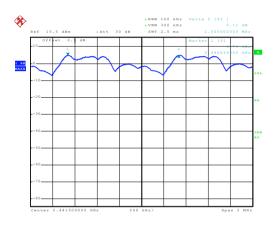


Modulation mode: 8DPSK



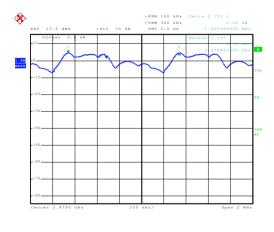
Date: 10.NOV.2013 10:48:14

Lowest channel



Date: 10.NOV.2013 11:31:15

Middle channel



Date: 10.NOV.2013 11:33:19

Highest channel



6.6 Hopping Channel Number

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)				
Test Method:	ANSI C63.4:2003 and DA00-705				
Receiver setup:	RBW=100 kHz, VBW=300 kHz, Frequency range=2400MHz-2483.5MHz, Detector=Peak				
Limit:	15 channels				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 5.7 for details				
Test mode:	Hopping mode				
Test results:	Pass				

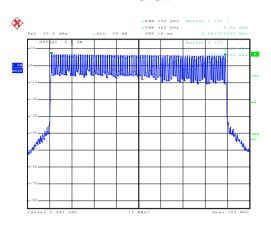
Measurement Data:

Mode	Hopping channel numbers	Limit	Result
GFSK, π/4-DQPSK, 8DPSK	79	15	Pass

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366

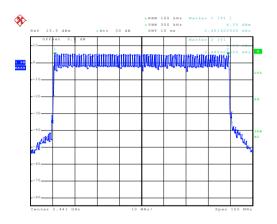


GFSK



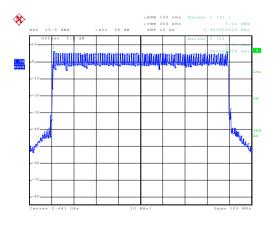
Date: 10.NOV.2013 08:52:03

π/4-DQPSK



Date: 10.NOV.2013 08:36:57

8DPSK



Date: 10.NOV.2013 08:28:25



6.7 Dwell Time

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)			
Test Method:	ANSI C63.4:2003 and KDB DA00-705			
Receiver setup:	RBW=1 MHz, VBW=1 MHz, Span=0 Hz, Detector=Peak			
Limit:	0.4 Second			
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane			
Test Instruments:	Refer to section 5.7 for details			
Test mode:	Hopping mode			
Test results:	Pass			

Measurement Data (Worse case)

Mode	Packet	Dwell time (second)	Limit (second)	Result
	DH1	0.12800		
GFSK	DH3	0.26976	0.4	Pass
	DH5	0.31637		
	2-DH1	0.12864		Pass
π /4-DQPSK	2-DH3	0.27072	0.4	
	2-DH5	0.31445		
	3-DH1	0.13056		
8DPSK	3-DH3	0.27168	0.4	Pass
	3-DH5	0.31765		

For GFSK, π/4-DQPSK and 8DPSK:

The test period: T= 0.4 Second/Channel x 79 Channel = 31.6 s

DH1 time slot=0.400*(1600/(2*79))*31.6=128.00ms DH3 time slot=1.686*(1600/(4*79))*31.6=269.76ms DH5 time slot=2.966*(1600/(6*79))*31.6=316.37ms

2-DH1 time slot=0.402*(1600/ (2*79))*31.6=128.64ms

2-DH3 time slot=1.692*(1600/ (4*79))*31.6=270.72ms

2-DH5 time slot=2.948*(1600/ (6*79))*31.6=314.45ms

3-DH1 time slot=0.408*(1600/ (2*79))*31.6=130.56ms

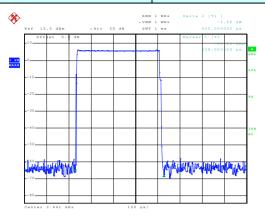
3-DH3 time slot=1.698*(1600/ (4*79))*31.6=271.68ms

3-DH5 time slot=2.978*(1600/ (6*79))*31.6=317.65ms



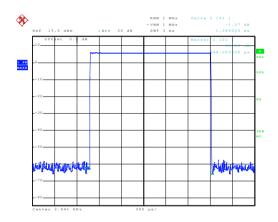
Test plot as follows:

Modulation mode: GFSK



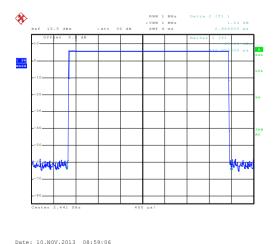
Date: 10.NOV.2013 08:56:02

DH1



Date: 10.NOV.2013 08:58:06

DH3

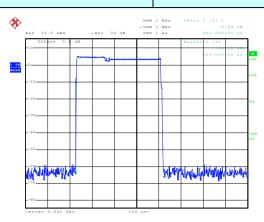


00.2013 08:59:06

DH5

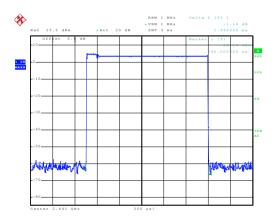


Modulation mode: $\pi/4$ -DQPSK



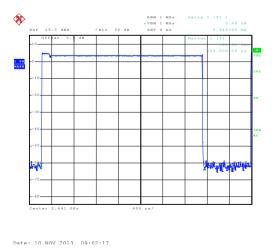
Date: 10.NOV.2013 09:00:44

2-DH1



Date: 10.NOV.2013 09:01:38

2-DH3

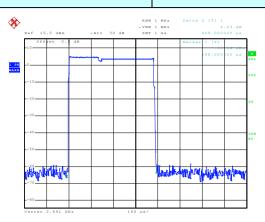


OV.2013 09:02:17

2-DH5

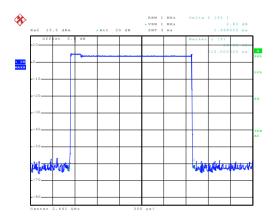


Modulation mode: 8DPSK



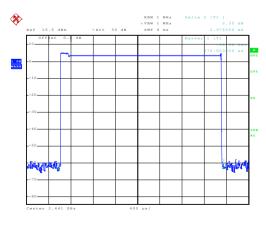
Date: 10.NOV.2013 09:03:16

3-DH1



Date: 10.NOV.2013 09:03:57

3-DH3



Date: 10.NOV.2013 09:04:54

3-DH5



Project No.: CCIS131100464RF

6.8 Pseudorandom Frequency Hopping Sequence

Test Requirement:

FCC Part15 C Section 15.247 (a)(1) requirement:

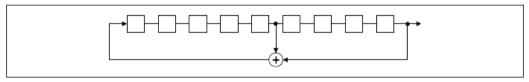
Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Alternatively. Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

EUT Pseudorandom Frequency Hopping Sequence

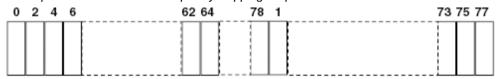
The pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONEs; i.e. the shift register is initialized with nine ones.

- Number of shift register stages: 9
- Length of pseudo-random sequence: 29 -1 = 511 bits
- Longest sequence of zeros: 8 (non-inverted signal)



Linear Feedback Shift Register for Generation of the PRBS sequence

An example of Pseudorandom Frequency Hopping Sequence as follow:



Each frequency used equally on the average by each transmitter.

The system receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.

Shenzhen Zhongjian Nanfang Testing Co., Ltd. No.B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366 Page 32 of 51



6.9 Band Edge

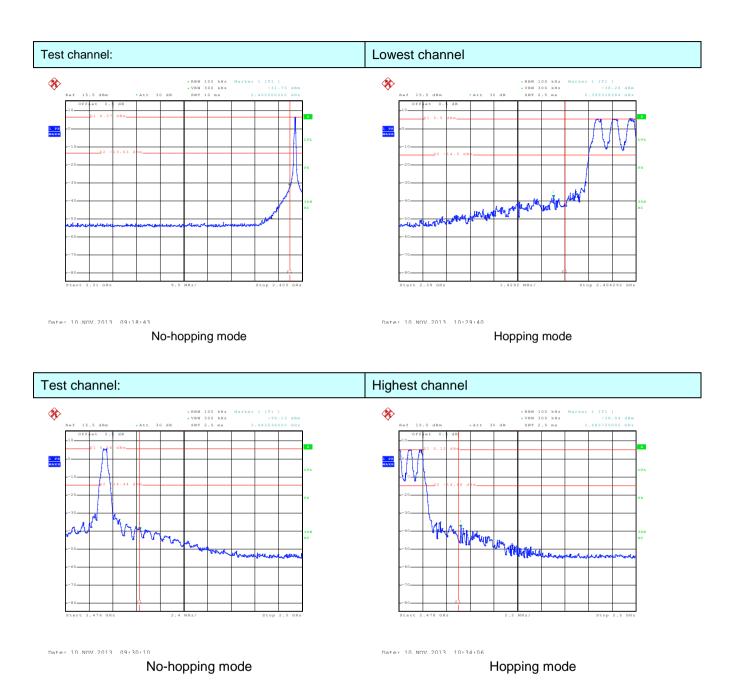
6.9.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)				
Test Method:	ANSI C63.4:2003 and DA00-705				
Receiver setup:	RBW=100 kHz, VBW=300 kHz, Detector=Peak				
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 5.7 for details				
Test mode:	Non-hopping mode and hopping mode				
Test results:	Pass				

Test plot as follows:

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366 Page 33 of 51





Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



6.9.2 Radiated Emission Method

	Test Requirement:	FCC Part15 C Section 15.209 and 15.205							
	Test Method:	ANSI C63.4: 2003							
	Test Frequency Range:	2.3GHz to 2.5GHz							
	Test site:	Measurement Distance: 3m							
	Receiver setup:	Frequency Detector RBW VBW Remark							
	receiver setap.	Above 1GHz	Peak	1MHz	3MHz	Peak Value			
			Peak	1MHz	10Hz	Average Value			
	Limit:	Frequency		Limit (dBuV/m @3m)		Remark			
		Above 1GHz		54.00		Average Value			
				74.00		Peak Value			
	Test setup:	Antenna Tower Horn Antenna Spectrum Analyzer Turn Table Amplifier							
	Test Procedure:	 The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. 							
	Test Instruments:	Refer to section 5.7 for details							
	Test mode:	Non-hopping mode							
	Test results:	Passed							
Remark	la.								

Remark:

- 1. During the test, pre-scan the GFSK, $\pi/4$ -DQPSK, 8DPSK, and all data were shown in report.
- 2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case.

Shenzhen Zhongjian Nanfang Testing Co., Ltd. No.B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China

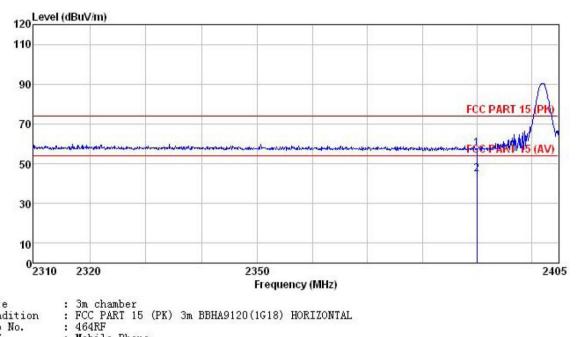
Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366 Page 35 of 51



Project No.: CCIS131100464RF

Test channel: Lowest

Horizontal:



Site

Condition
Job No.

FIIT Mobile Phone Model i 607A Test mode : BT-L Power Rating : AC 120V/60Hz

Environment : Temp: 25°C Huni: 55% Atmos: 101Kpa

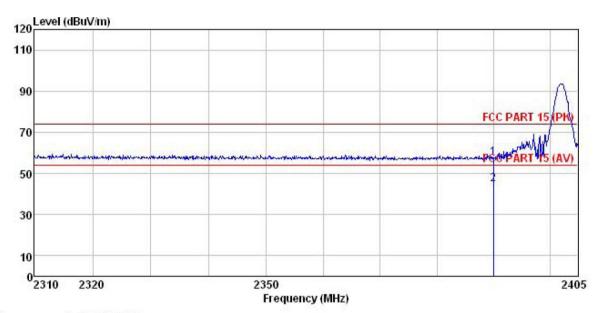
Test Engineer: AARON

ReadAntenna Cable Preamp Limit Over Freq Level Factor Loss Factor Level Line Limit Remark dBuV dB/m MHz ďB dB dBuV/m dBuV/m dB 0.00 57.47 74.00 -16.53 Peak 0.00 44.62 54.00 -9.38 Average 2390.000 24.22 27.58 2390.000 11.37 27.58 5.67 5.67

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366 Page 36 of 51



Vertical:



Site Condition

: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL : 464RF

Job No.

EUT : Mobile Phone Model : i 607A

Test mode : BT-L Power Rating : AC 120V/60Hz Environment : Temp:25°C Huni:55% Atmos:101Kpa

Test Engineer: AARON

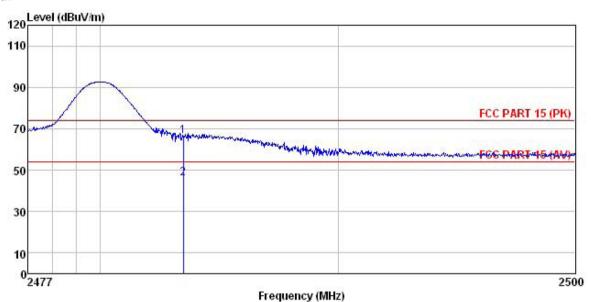
ReadAntenna Cable Preamp Limit Over Freq Level Factor Line Limit Remark Loss Factor Level dBuV MHz dB/m ďΒ dB dBuV/m dBuV/m 2390,000 2390,000 24.32 11.36 27.58 27.58 57.57 74.00 -16.43 Peak 44.61 54.00 -9.39 Average 1 2 5.67 0.00 57.57 5.67 0.00

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



Test channel: Highest

Horizontal:



Site Condition

: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL : 464RF

Job No. EUT : Mobile Phone

Model : i 607A
Test mode : BT-H
Power Rating : AC 120V/60Hz
Environment : Temp:25°C Huni:55% Atmos:101Kpa

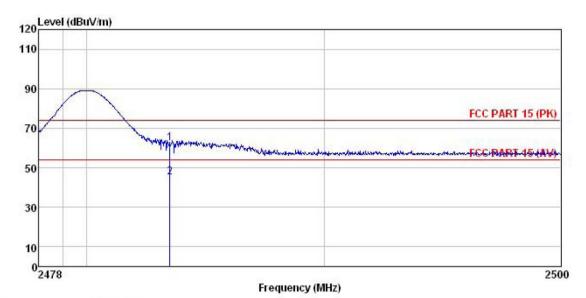
est	Engineer:	AARON							
	2000	Read	Ant enna	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBu₹	<u>dB</u> /m	<u>dB</u>	<u>d</u> B	dBuV/m	dBuV/m	<u>dB</u>	
1	2483.500	33.16	27.52	5.70	0.00	66.38	74.00	-7.62	Peak
2	2483.500	12.89	27.52	5.70	0.00	46.11	54.00	-7.89	Average

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



Project No.: CCIS131100464RF

Vertical:



Site

: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL Condition

Job No. 464RF : mobile Phone

Model : i 607A

Test mode : BT--H

Power Rating : AC 120V/60Hz

Environment : Temp:25°C Huni:55% Atmos:101Kpa

Test Engineer: AARON

ReadAntenna Cable Preamp Limit Over Freq Level Factor Loss Factor Level Line Limit Remark MHz dBuV dB/m dB dBuV/m dBuV/m ďΒ 2483.500 29.43 27.52 12.11 27.52 0.00 62.65 74.00 -11.35 Peak 0.00 45.33 54.00 -8.67 Average 1 2 5.70 2483.500 5.70

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366 Page 39 of 51



6.10 Spurious Emission

6.10.1 Conducted Emission Method

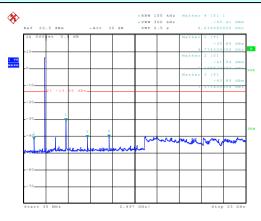
Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.4:2003 and DA00-705
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 5.7 for details
Test mode:	Non-hopping mode
Test results:	Pass

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



GFSK

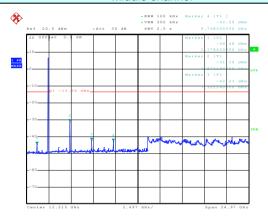
Lowest channel



Date: 14.NOV.2013 08:00:00

30MHz~25GHz

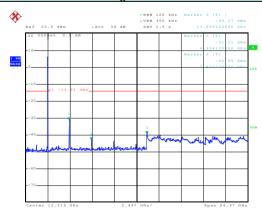
Middle channel



Date: 14.NOV.2013 08:01:19

30MHz~25GHz

Highest channel



Date: 14.NOV.2013 08:04:05

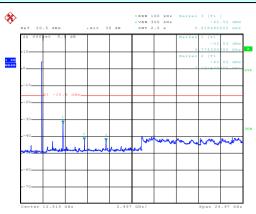
30MHz~25GHz



$\pi/4$ -DQPSK

Report No: CCIS13110046402

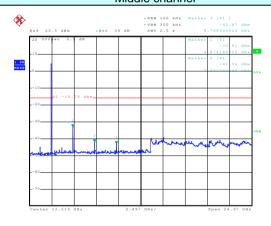
Lowest channel



Date: 14.NOV.2013 08:17:59

30MHz~25GHz

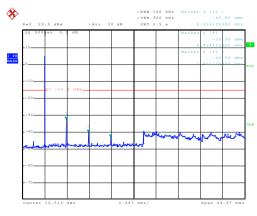
Middle channel



Date: 14.NOV.2013 08:15:24

30MHz~25GHz

Highest channel



Date: 14.NOV.2013 08:12:16

30MHz~25GHz

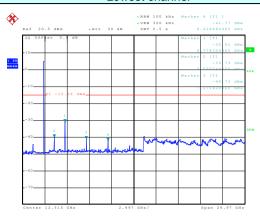
Page 42 of 51



8DPSK

Report No: CCIS13110046402

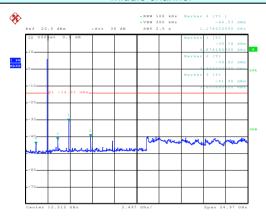
Lowest channel



Date: 14.NOV.2013 08:20:32

30MHz~25GHz

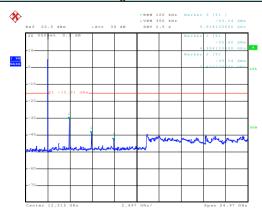
Middle channel



Date: 14.NOV.2013 08:23:01

30MHz~25GHz

Highest channel



Date: 14.NOV.2013 08:25:19

30MHz~25GHz



6.10.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Se	ction 15.209			
Test Method:	ANSI C63.4: 2003	3			
Test Frequency Range:	9 kHz to 25 GHz				
Test site:	Measurement Dis	tance: 3m			
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
	Above 10112	Peak	1MHz	10Hz	Average Value
Limit:	Freque	ncy	Limit (dBuV/	m @3m)	Remark
	30MHz-8	8MHz	40.0)	Quasi-peak Value
	88MHz-21	6MHz	43.5	5	Quasi-peak Value
	216MHz-9	60MHz	46.0)	Quasi-peak Value
	960MHz-	1GHz	54.0)	Quasi-peak Value
	Above 1	GHz	54.0		Average Value
	71,5070 1	01.12	74.0)	Peak Value
	Ground Plane Above 1GHz	3m 4m 1m 4m 1m		Antenna Searc Anten RF Test Receiver Antenna Tower Horn Antenna Spectrum Analyzer	

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



Test Procedure:	The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
	2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
	3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
	4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
	The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test Instruments:	Refer to section 5.7 for details
Test mode:	Non-hopping mode
Test results:	Pass

Remark:

- 1. During the test, pre-scan the GFSK, $\pi/4$ -DQPSK, 8DPSK modulation, and found the GFSK modulation is the worst case.
- 2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case.
- 3. 9 kHz to 30 MHz is noise floor, so only shows the data of above 30MHz in this report.

Measurement data:

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366 Page 45 of 51



Project No.: CCIS131100464RF

Above 1GHz: lowest

Test channel:		Lowest			Level:		Peak	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804	60.95	31.53	8.90	40.24	61.14	74.00	-12.86	Vertical
7206	57.70	36.47	10.59	41.24	63.52	74.00	-10.48	Vertical
9608	50.84	38.10	13.16	41.40	60.70	74.00	-13.30	Vertical
4804	70.35	31.53	8.90	40.24	70.54	74.00	-3.46	Horizontal
7206	53.06	36.47	10.59	41.24	58.88	74.00	-15.12	Horizontal
9608	50.27	38.10	13.16	41.40	60.13	74.00	-13.87	Horizontal

Test channel:	Lowest	Level:	Average
icse chamer.	DOWCD C	LCVCI.	nverage

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.00	40.72	31.53	8.90	40.24	40.91	54	-13.09	Vertical
7206.00	37.97	36.47	10.59	41.24	43.79	54	-10.21	Vertical
9608.00	33.24	38.10	13.16	41.40	43.10	54	-10.90	Vertical
4804.00	43.77	31.53	8.90	40.24	43.96	54	-10.04	Horizontal
7206.00	38.25	36.47	10.59	41.24	44.07	54	-9.93	Horizontal
9608.00	37.35	38.10	13.16	41.40	47.21	54	-6.79	Horizontal

Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366 Page 46 of 51



Middle

					Peak	
I Factor	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
31.58	8.98	40.15	56.25	74.00	-17.75	Vertical
36.47	10.69	41.15	63.03	74.00	-10.97	Vertical
38.45	13.37	41.71	56.51	74.00	-17.49	Vertical
31.58	8.98	40.15	62.41	74.00	-11.59	Horizontal
36.47	10.69	41.15	57.61	74.00	-16.39	Horizontal
38.45	13.37	41.71	55.85	74.00	-18.15	Horizontal
e 1V 32 40 50	el Factor (dB/m) 34 31.58 02 36.47 40 38.45 00 31.58 60 36.47	el Factor (dB/m) (dB) 34 31.58 8.98 02 36.47 10.69 40 38.45 13.37 00 31.58 8.98 60 36.47 10.69	el Factor (dB/m) Loss (dB) Factor (dB) 34 31.58 8.98 40.15 32 36.47 10.69 41.15 40 38.45 13.37 41.71 30 31.58 8.98 40.15 30 36.47 10.69 41.15	el Factor (dB/m) Loss (dB) Factor (dBuV/m) 34 31.58 8.98 40.15 56.25 32 36.47 10.69 41.15 63.03 40 38.45 13.37 41.71 56.51 30 31.58 8.98 40.15 62.41 60 36.47 10.69 41.15 57.61	el Factor (dB/m) Loss (dB) Factor (dB) Level (dBuV/m) Line (dBuV/m) 34 31.58 8.98 40.15 56.25 74.00 92 36.47 10.69 41.15 63.03 74.00 40 38.45 13.37 41.71 56.51 74.00 90 31.58 8.98 40.15 62.41 74.00 60 36.47 10.69 41.15 57.61 74.00	el Factor (dB/m) Loss (dB) Factor (dB) Level (dBuV/m) Line (dBuV/m) Limit (dB) 34 31.58 8.98 40.15 56.25 74.00 -17.75 32 36.47 10.69 41.15 63.03 74.00 -10.97 40 38.45 13.37 41.71 56.51 74.00 -17.49 30 31.58 8.98 40.15 62.41 74.00 -11.59 60 36.47 10.69 41.15 57.61 74.00 -16.39

lest channel:	Middle		Level:	Average	

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4882.00	35.84	31.58	8.98	40.15	36.25	54.00	-17.75	Vertical
7323.00	37.01	36.47	10.69	41.15	43.02	54.00	-10.98	Vertical
9764.00	26.39	38.45	13.37	41.71	36.50	54.00	-17.50	Vertical
4882.00	41.26	31.58	8.98	40.15	41.67	54.00	-12.33	Horizontal
7323.00	31.60	36.47	10.69	41.15	37.61	54.00	-16.39	Horizontal
9764.00	35.73	38.45	13.37	41.71	45.84	54.00	-8.16	Horizontal

Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366

Page 47 of 51



Highest

Test chann	iei:		Highest		Lev	el:	ł	^o eak
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	58.08	31.69	9.08	40.03	58.82	74.00	-15.18	Vertical
7440.00	54.34	36.60	10.80	41.05	60.69	74.00	-13.31	Vertical
9920.00	46.86	38.66	13.55	41.99	57.08	74.00	-16.92	Vertical
4960.00	62.55	31.69	9.08	40.03	63.29	74.00	-10.71	Horizontal
7440.00	51.29	36.60	10.80	41.05	57.64	74.00	-16.36	Horizontal
9920.00	47.50	38.66	13.55	41.99	57.72	74.00	-16.28	Horizontal
Test channel:								
Test chann	nel:		Highest		Lev	el:	Av	erage
Test chanr	nel:		Highest		Lev	el:	Av	<mark>erage</mark>
Test chann Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Highest Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	erage Polarization
Frequency	Read Level	Factor	Cable Loss	Factor	Level	Limit Line	Over Limit	
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Cable Loss (dB)	Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
Frequency (MHz) 4960.00	Read Level (dBuV) 38.07	Factor (dB/m) 31.69	Cable Loss (dB) 9.08	Factor (dB) 40.03	Level (dBuV/m) 38.81	Limit Line (dBuV/m) 54.00	Over Limit (dB) -15.19	Polarization Vertical
Frequency (MHz) 4960.00 7440.00	Read Level (dBuV) 38.07 34.33	Factor (dB/m) 31.69 36.60	Cable Loss (dB) 9.08 10.80	Factor (dB) 40.03 41.05	Level (dBuV/m) 38.81 40.68	Limit Line (dBuV/m) 54.00	Over Limit (dB) -15.19 -13.32	Polarization Vertical Vertical
Frequency (MHz) 4960.00 7440.00 9920.00	Read Level (dBuV) 38.07 34.33 36.85	Factor (dB/m) 31.69 36.60 38.66	Cable Loss (dB) 9.08 10.80	Factor (dB) 40.03 41.05 41.99	Level (dBuV/m) 38.81 40.68 47.07	Limit Line (dBuV/m) 54.00 54.00	Over Limit (dB) -15.19 -13.32 -6.93	Polarization Vertical Vertical Vertical

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366

Page 48 of 51



8 EUT Constructional Details

Reference to the test report No. CCIS CCIS13110046401

-----End of report-----

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366