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: 1.77 Inch Feature Phone

Model No.: i1211

Trade mark: Verykool

FCC ID: WA6I1211

FCC CFR Title 47 Part 2

Applicable standards: FCC CFR Title 47 Part22 Subpart H

FCC CFR Title 47 Part24 Subpart E

Date of sample receipt: 25 Sep., 2014

Date of Test: 26 Sep., to 9 Oct., 2014

Date of report issued: 10 Oct., 2014

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.

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2. Version

Version No.	Date	Description
00	10 Oct., 2014	Original

Prepared by: 10 Oct., 2014

Report Clerk

Reviewed by: Date: 10 Oct., 2014

Project Engineer



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4. Test Summary

Test Item	Section in CFR 47	Result
RF Exposure (SAR)	Part 1.1307 Part 2.1093	Passed* (Please refer to SAR Report)
RF Output Power	Part 2.1046 Part 22.913 (a)(2) Part 24.232 (c)	Pass
Modulation Characteristics	Part 2.1047	Pass
99% & -26 dB Occupied Bandwidth	Part 2.1049 Part 22.917 Part 24.238	Pass
Spurious Emissions at Antenna Terminal	Part 2.1051 Part 22.917 (a) Part 24.238 (a)	Pass
Field Strength of Spurious Radiation	Part 2.1053 Part 22.917 (a) Part 24.238 (a)	Pass
Out of band emission, Band Edge	Part 22.917 (a) Part 24.238 (a)	Pass
Frequency stability vs. temperature	Part 2.1055(a)(1)(b)	Pass
Frequency stability vs. voltage	Part 2.1055(d)(1)(2)	Pass

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



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 :	Shenzhen Fortuneship Technology Co., Ltd	
Address of Manufacturer:	6/F, Kingson Building, No.1 Chuangsheng Road, Nanshan District, Shenzhen, Guangdong, China	

5.2 General Description of E.U.T.

Product Name:	1.77 Inch Feature Phone
Model No.:	i1211
Operation Frequency range:	GSM 850: 824.20MHz-848.80MHz PCS1900: 1850.20MHz-1909.80MHz
Modulation type:	GSM/GPRS:GMSK
Antenna type:	Internal Antenna
Antenna gain:	GSM 850: -0.5 dBi PCS 1900: -0.8 dBi
AC adapter:	Model: i1211 Input: AC 100-240V 50/60Hz 0.15A Output: DC 5V, 500mA
Power supply:	Rechargeable Li-ion Battery DC3.7V-600mAh



Operation Frequency List:

GS	M 850	PCS1900		
Channel:	Channel: Frequency (MHz)		Frequency (MHz)	
128	824.20	512	1850.20	
129	824.40	513	1850.40	
189	836.40	660	1879.80	
190	836.60	661	1880.00	
191	836.80	662	1880.20	
250	848.60	809	1909.60	
251	848.80	810	1909.80	

Regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

	GSM850		PCS1900		
Channel Frequency(MHz)			Channel	Frequency(MHz)	
Lowest channel	128	824.20	Lowest channel	512	1850.20
Middle channel	190	836.60	Middle channel	661	1880.00
Highest channel	251	848.80	Highest channel	810	1909.80



5.3 Test modes

Communicate mode (GSM850)	Keep the EUT in communicating mode on GSM 850 band.
Data mode (GPRS850)	Keep the EUT in data communicating mode on GPRS 850 band.
Communicate mode (PCS1900)	Keep the EUT in communicating mode on PCS1900 band.
Data mode (GPRS1900)	Keep the EUT in data communicating mode on GPRS1900 band.

5.4 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is filing to comply with Section Part 22 subpart H and Part 24 subpart E of the FCC CFR 47 Rules.

5.5 Test Methodology

Both conducted and radiated testing were performed according to the procedures document on TIA/EIA 603 and FCC CFR 47.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057

5.6 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.

5.7 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: +86-755-23118282 Fax: +86-755-23116366

5.8 Test Instruments list

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	Aug. 23 2014	Aug. 22 2017	
2	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	Apr. 19 2014	Apr. 19 2015	
3	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	Apr. 19 2014	Apr. 19 2015	
4	EMI Test Software	AUDIX	E3	N/A	N/A	N/A	
5	Coaxial Cable	CCIS	N/A	CCIS0016	Apr. 01 2014	Mar. 31 2015	
6	Coaxial Cable	CCIS	N/A	CCIS0017	Apr. 01 2014	Mar. 31 2015	

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



7	Coaxial cable	CCIS	N/A	CCIS0018	Apr. 01 2014	Mar. 31 2015
8	Coaxial Cable	CCIS	N/A	CCIS0019	Apr. 01 2014	Mar. 31 2015
9	Coaxial Cable	CCIS	N/A	CCIS0087	Apr. 01 2014	Mar. 31 2015
10	Amplifier(10kHz- 1.3GHz)	НР	8447D	CCIS0003	Apr. 01 2014	Mar. 31 2015
11	Amplifier(1GHz- 18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	June 09 2014	June 08 2015
12	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	Apr. 01 2014	Mar. 31 2015
13	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 30 2014	Mar. 29 2015
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	Apr. 19 2014	Apr. 19 2015
17	EMI Test Receiver	Rohde & Schwarz	ESPI	CCIS0022	Apr. 01 2014	Mar. 31 2015
18	Loop antenna	Laplace instrument	RF300	EMC0701	Apr. 01 2014	Mar. 31 2015
19	Universal radio communication tester	Rhode & Schwarz	CMU200	CCIS0069	May. 29 2014	May. 28 2015
20	Signal Analyzer	Rohde & Schwarz	FSIQ3	CCIS0088	Apr. 19 2014	Apr. 19 2015



6. System test configuration

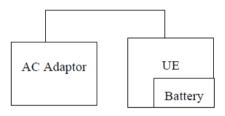
6.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

6.2 EUT Exercise

The EUT (Transmitter) was operated in the engineering mode to fix the Tx frequency which was for the purpose of the measurements.

6.3 Configuration of Tested System



Remote Side



6.4 Description of Test Modes

The EUT has been tested under operating condition.

EUT staying in continuous transmitting mode. Channel Low, Mid and High for each type band with rated data rate were chosen for full testing.

The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for three modes (GSM850, PCS1900) with power adaptor, earphone and Data cable. The worst-case H mode for GSM850, PCS1900.



6.5 Conducted Output Power

Test Requirement:	FCC part 22.913(a) and FCC part 24.232(b)				
Test Method:	FCC part 2.1046				
Limit:	GSM 850 7W				
	PCS 1900 2W				
Test setup:	EUT ATT Communication Tester Note: Measurement setup for testing on Antenna connector				
Test Procedure:	The transmitter output was connected to a calibrated attenuator, the other end of which was connected to the CMU200. Transmitter output power was read off in dBm.				
Test Instruments:	Refer to section 5.8 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				

Measurement Data

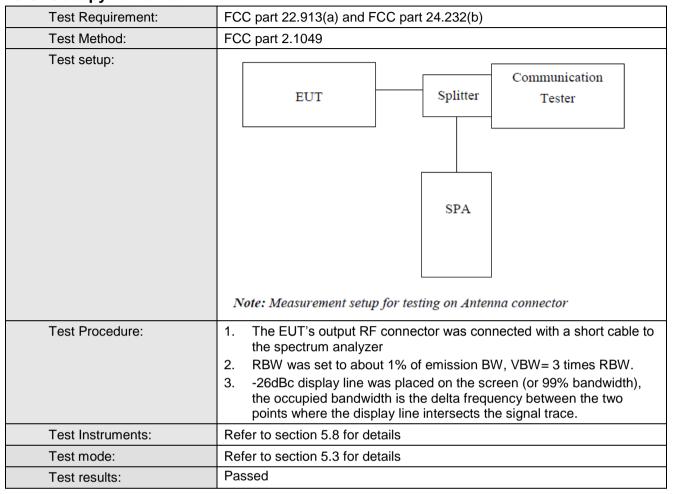


EUT Mode	Channel	Frequency (MHz)	Burst Average power (dBm)	Limit(dBm)	Result
	128	824.20	32.52		
GSM 850	190	836.60	32.47		
	251	848.80	32.44		
	128	824.20	32.49		
GPRS 850	190	836.60	32.47		
(1 Uplink slot)	251	848.80	32.40		
	128	824.20	30.91		
GPRS 850	190	836.60	30.82	38.45	Pass
(2 Uplink slots)	251	848.80	30.80		
	128	824.20	29.52		
GPRS 850	190	836.60	29.40		
(3 Uplink slots)	251	848.80	29.37		
	128	824.20	27.33		
GPRS 850	190	836.60	27.28		
(4 Uplink slots)	251	848.80	27.25		

EUT Mode	Channel	Frequency (MHz)	Burst Average power (dBm)	Limit(dBm)	Result
	512	1850.20	29.49		
PCS 1900	661	1880.00	29.05		
	810	1909.80	29.01		
0000 4000	512	1850.20	29.49		
GPRS 1900	661	1880.00	29.11		
(1 Uplink slot)	810	1909.80	29.06		
GPRS 1900 (2 Uplink slots)	512	1850.20	27.62		
	661	1880.00	27.13	33.00	Pass
	810	1909.80	26.66		
0000 4000	512	1850.20	25.90		
GPRS 1900	661	1880.00	25.34		
(3 Uplink slots)	810	1909.80	24.85		
	512	1850.20	23.83		
GPRS 1900	661	1880.00	23.16		
(4 Uplink slots)	810	1909.80	22.63		



6.6 Occupy Bandwidth



Measurement Data



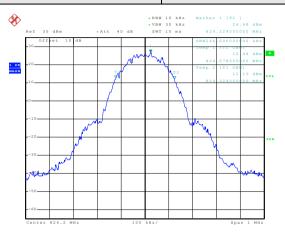
EUT Mode	Channel	Frequency (MHz)	99% Occupy bandwidth (kHz)	-26dB bandwidth (kHz)
	128	824.2	246.00	322.00
GSM 850	190	836.6	250.00	314.00
	251	848.8	242.00	322.00
	512	1850.2	248.00	318.00
PCS 1900	661	1880.0	242.00	316.00
	810	1909.8	246.00	320.00

Note: GSM & GPRS use the same modulation technical (GMSK), and with the same channels, so the 99% OBW and the -26dB of GPRS not performed.

Test plot as follows:

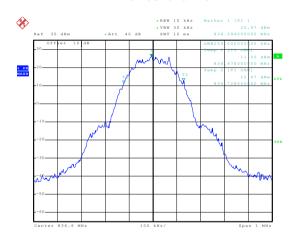


Test Item: 99% Occupy bandwidth Test Mode: GSM85)
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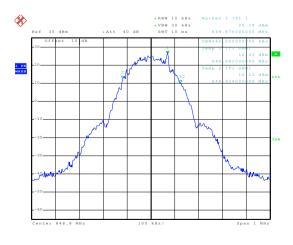
Date: 26.SEP.2014 16:03:10

Lowest channel



Date: 26.SEP.2014 16:02:40

Middle channel

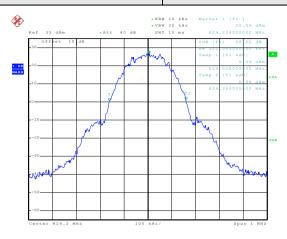


Date: 26.SEP.2014 16:01:56

Highest channel

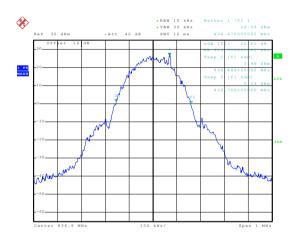


Test Item:	-26dB bandwidth	Test Mode:	GSM850



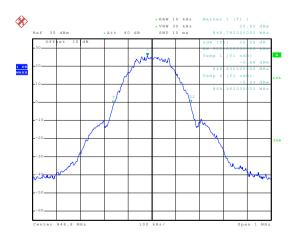
Date: 26.SEP.2014 16:00:08

Lowest channel



Date: 26.SEP.2014 16:00:36

Middle channel

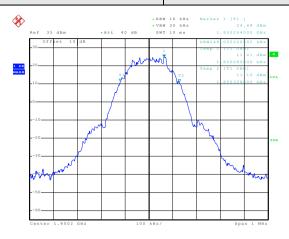


Date: 26.SEP.2014 16:01:32

Highest channel

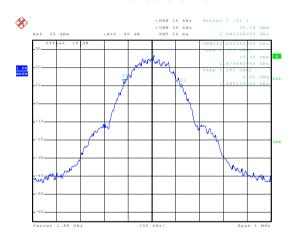


Test Item: 99% Occupy bandwidth Test Mode: PCS 1900



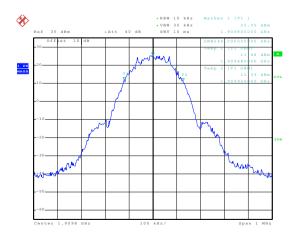
Date: 26.SEP.2014 16:06:00

Lowest channel



Date: 26.SEP.2014 16:06:24

Middle channel

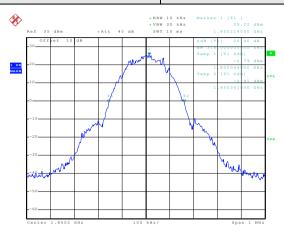


Date: 26.SEP.2014 16:06:48

Highest channel

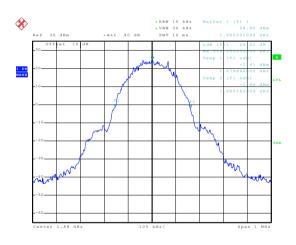


Test Item: -26dB bandwidth Test Mode: PCS 1900		Test Item:	-26dB bandwidth	Test Mode:	PCS 1900
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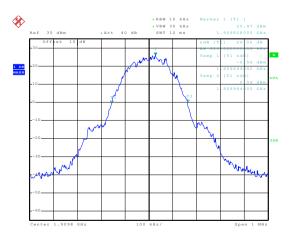
Date: 26.SEP.2014 16:08:22

Lowest channel



Date: 26.SEP.2014 16:07:47

Middle channel



Date: 26.SEP.2014 16:07:25

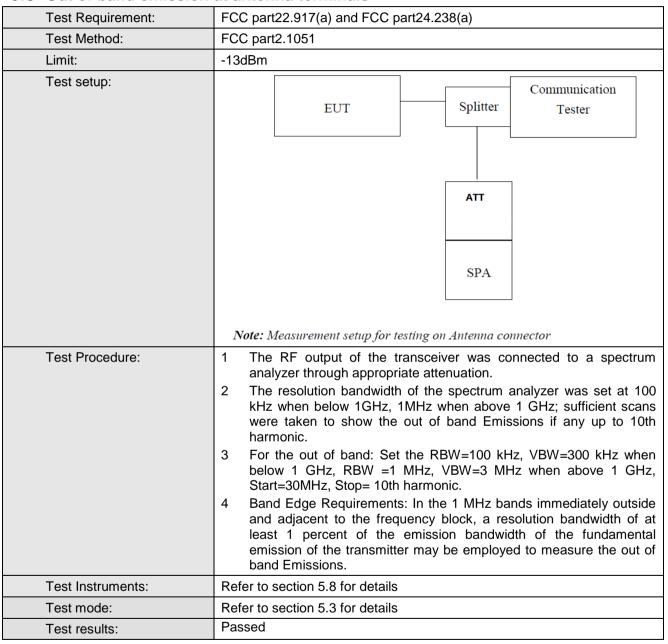
Highest channel



6.7 Modulation Characteristic

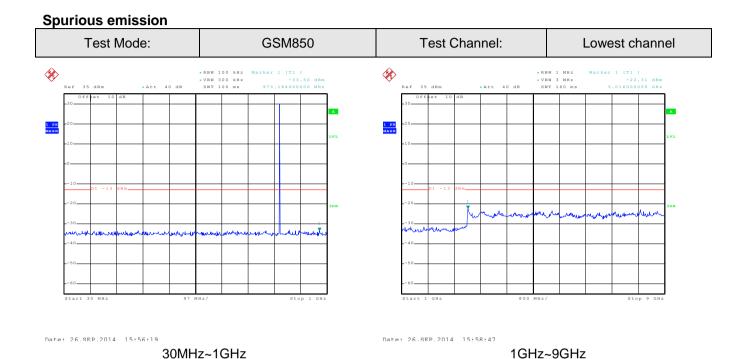
According to FCC § 2.1047(d), Part 22H & 24E there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

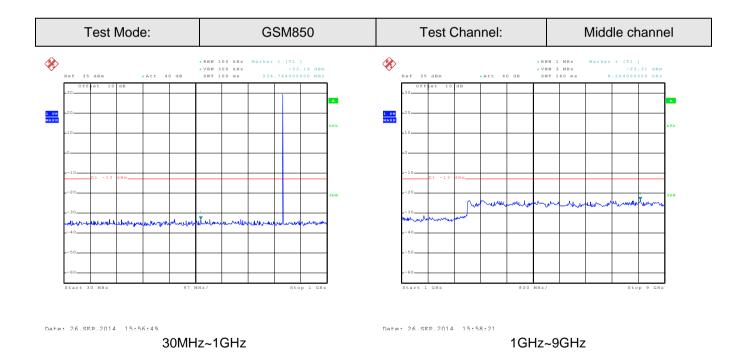
6.8 Out of band emission at antenna terminals



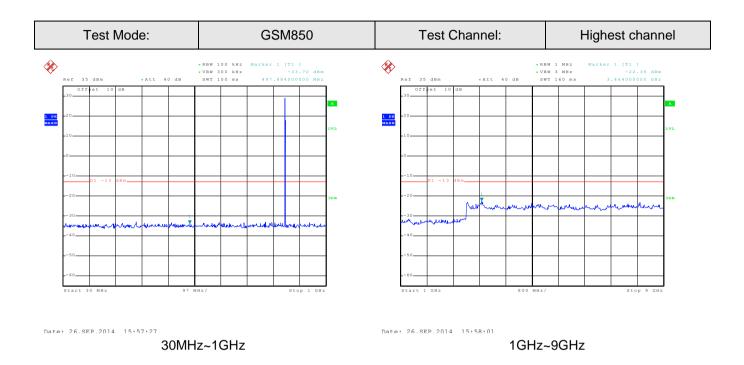
Test plots as follows:

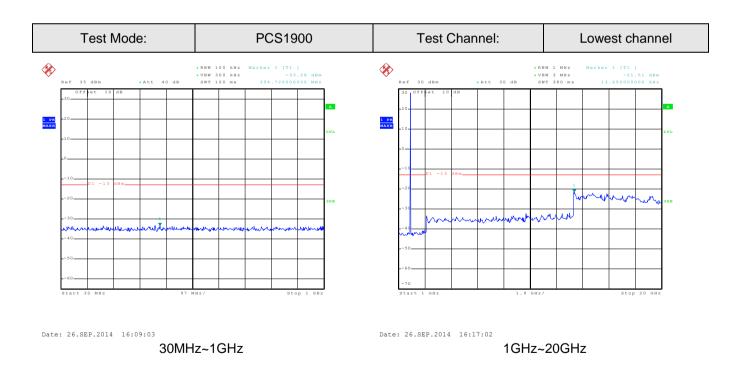




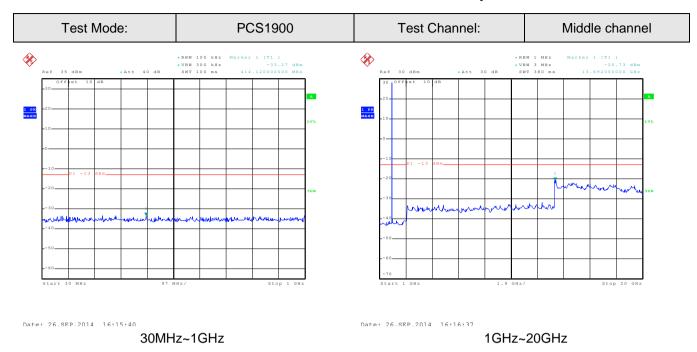


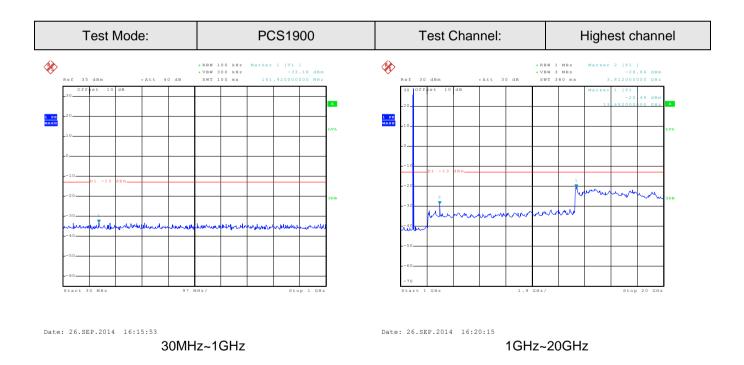






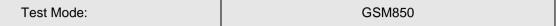


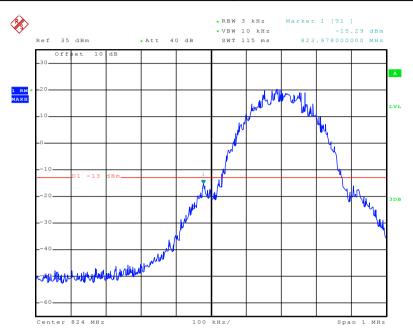






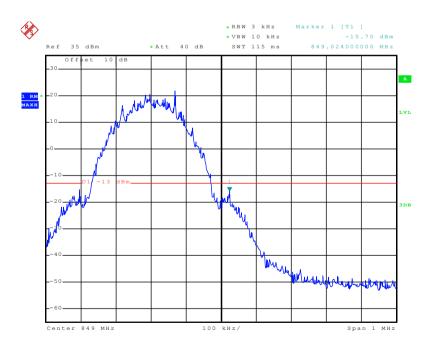
Band edge emission:





Date: 26.SEP.2014 15:53:29

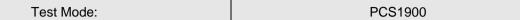
Lowest channel

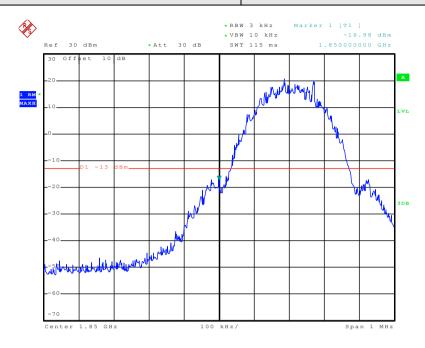


Date: 26.SEP.2014 15:54:42

Highest channel

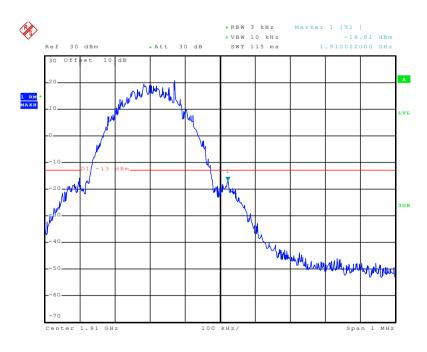






Date: 28.SEP.2014 09:14:04

Lowest channel



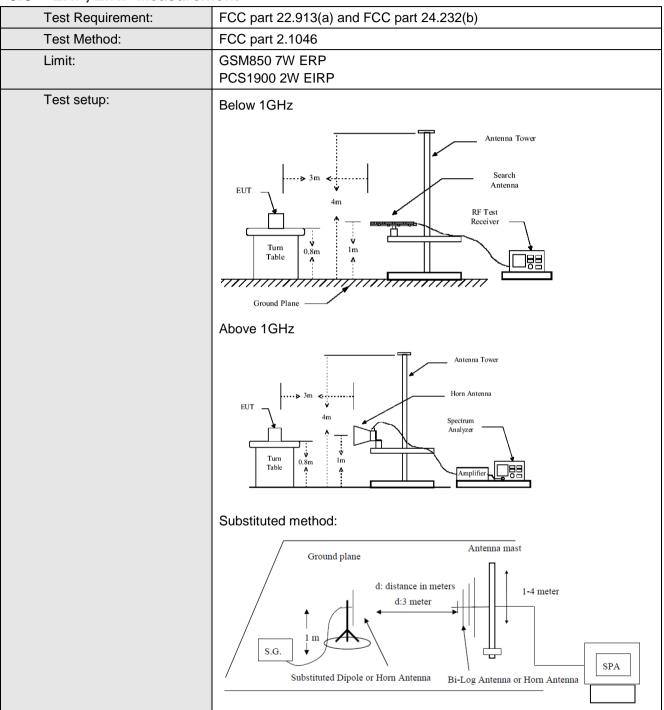
Date: 28.SEP.2014 09:15:29

Highest channel





6.9 ERP, EIRP Measurement





Test Procedure:	1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.
	 During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated.
	 ERP in frequency band 824.2 –848.80.8MHz were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated as follows:
	ERP = S.G. output (dBm) + Antenna Gain (dBd) - Cable Loss (dB)
	4. EIRP in frequency band 1850.2 –1909.8MHz were measured using a substitution method. The EUT was replaced by or horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows:
	EIRP = S.G. output (dBm) + Antenna Gain (dBi) - Cable Loss (dB)
	5. The worse case was relating to the conducted output power.
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data (worst case)



EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
GSM850 251		н	V	20.58	38.45	Pass
			Н	19.91		
		251 E1	V	20.24		
	251 E1 E2		Н	19.57		
			V	20.37		
			E2	Н	19.81	

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
PCS1900 512			V	30.99	33.00	Pass
		Н	Н	23.33		
		512 E1	V	30.12		
	512		Н	23.25		
			V	30.05		
		E2	Н	23.16		



6.10 Field strength of spurious radiation measurement

Test Requirement:	FCC part 22.917(a) and FCC part 24.238(a)			
Test Method:	FCC part 2.1053			
Limit:	-13dBm			
Test setup:	Below 1GHz Antenna Tower Search Antenna RF Test Receiver Tum Table Antenna RF Test Receiver			
	Ground Plane ————————————————————————————————————			
	Antenna Tower Horn Antenna Spectrum Analyzer Turn Table Amplifier			
	Substituted method:			
	Ground plane d: distance in meters d:3 meter I -4 meter SpA Substituted Dipole or Horn Antenna Bi-Log Antenna or Horn Antenna			
Test Procedure:	 The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations. 			
	3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels).			

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



	Once spurious emission was identified, the power of the emission was determined using the substitution method.
	 The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.
	ERP / EIRP = S.G. output (dBm) + Antenna Gain(dB/dBi) –
	Cable Loss (dB)
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details.
	Based on the ERP/EIRP results, we selected GSM850, PCS1900, UMTS RMC 850 and UMTS RMC 1900 for Radiated spurious emission test, other modes were not test.
Test results:	Passed



Measurement Data (worst case)

Test mode:		1850	Test channel:	Lowest	
		Emission			
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result	
1648.88	Vertical	-28.91			
2471.56	V	-21.41			
3296.44	V	-28.76	-13.00	Pass	
4123.17	V	-38.19			
4950.75	V	-39.43			
1648.88	Horizontal	-32.32			
2471.56	Н	-27.68			
3296.44	Н	-38.22	-13.00	Pass	
4123.17	Н	-40.42			
4950.75	Н	-41.71			
Test mode:		1850	Test channel:	Middle	
Frequency (MHz)	Spurious		Limit (dBm)	Result	
,	Polarization	Level (dBm)	Limit (dBin)	rtoouit	
1671.50	Vertical	-31.53			
2510.33	V	-27.67	-13.00		
3348.16	V	-29.43		Pass	
4187.86	V	-42.69			
5018.64	V	-39.24			
1671.50	Horizontal	-34.19			
2510.33	Н	-27.04			
3348.16	Н	-34.03	-13.00	Pass	
4187.86	Н	-41.08			
5018.64	Н	-41.11			
Test mode:		1850	Test channel:	Highest	
Frequency (MHz)	Spurious		Limit (dBm)	Result	
,	Polarization	Level (dBm)	Limit (dBin)	rtoodit	
1697.72	Vertical	-30.04			
2544.76	V	-30.93	-13.00	Pass	
3394.08	V	-29.58	10.00	1 433	
4245.30	V	-43.52			
1697.72	Horizontal	-35.51	<u> </u>		
2544.76	Н	-30.73	-13.00	Pass	
3394.08	Н	-33.10	-13.00	rass	
4245.30	Н	-42.65			

Remark:

- 1. The emission behavior belongs to narrowband spurious emission.
- 2. The emission levels of below 1 GHz are very lower than the limit and not show in test report.



Test mode:	PCS	PCS1900		Lowest	
Frequency (MHz)	Spurious Emission		Limit (dPm)	Result	
Frequency (IVITZ)	Polarization	Level (dBm)	Limit (dBm)	Nesuit	
3700.40	Vertical	-50.16	-13.00	Pass	
5550.60	V	-43.05	-13.00	газэ	
3700.40	Horizontal	-41.05	-13.00	Door	
5550.60	Н	-41.82	-13.00	Pass	
Test mode:	PCS	1900	Test channel:	Middle	
Frequency (MHz)	Spurious	Emission	Limit (dRm)	Result	
riequency (wiriz)	Polarization	Level (dBm)	Limit (dBm)		
3760.00	Vertical	-46.67	-13.00	Pass	
5640.00	V	-43.20	-13.00		
3760.00	Horizontal	-47.04	-13.00	Pass	
5640.00	Н	-45.35	-13.00	Fa55	
Test mode:	PCS	1900	Test channel:	Highest	
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result	
riequency (wiriz)	Polarization	Level (dBm)	LIIIII (UDIII)	Nesult	
3819.60	Vertical	-49.99	-13.00	Pass	
5729.40	V	-43.92	-13.00	газэ	
3819.60	Horizontal	-47.40	-13.00	Pass	
5729.40	Н	-44.49	-13.00		

Remark:

- 1. The emission behavior belongs to narrowband spurious emission.
- 2. The emission levels of below 1 GHz are very lower than the limit and not show in test report.



6.11 Frequency stability V.S. Temperature measurement

Test Requirement:	FCC Part 2.1055(a)(1)(b)
Test Method:	FCC Part 2.1055(a)(1)(b)
Limit:	2.5 ppm
Test setup:	Spectrum analyzer Att.
	Variable Power Supply
	Note: Measurement setup for testing on Antenna connector
Test procedure:	 The equipment under test was connected to an external DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	All three channels of all modulations have been tested, but only the worst channel and the worst modulation show in this test item.



Measurement Data:

Measurement Data:					
Refe	erence Frequency: G	SM850 Midd	lle channel=190 channe	el=836.6MHz	1
Power supplied (Vdc)	Temperature (°ℂ)	Frequency error		l ::t /	Desult
		Hz	ppm	Limit (ppm)	Result
3.70	-30	165	0.197227	2.5	Pass
	-20	134	0.160172		
	-10	106	0.126703		
	0	77	0.092039		
	10	84	0.100406		
	20	90	0.107578		
	30	79	0.094430		
	40	87	0.103992		
	50	74	0.088453		
Reference Frequency: PCS1900 Middle channel=661 channel=1880MHz					
Power supplied (Vdc)	T (%0)	Fr	Frequency error		
	Temperature (°C)	Hz	ppm		Result
	-30	129	0.068617	2.5	Pass
	-20	116	0.061702		
3.70	-10	93	0.049468		
	0	85	0.045213		
	10	94	0.050000		
	20	73	0.038830		
	30	70	0.037234		
	40	89	0.047340		
	50	44	0.023404		



6.12 Frequency stability V.S. Voltage measurement

Test Requirement:	FCC Part 2.1055(d)(1)(2)		
Test Method:	FCC Part 2.1055(d)(1)(2)		
Limit:	2.5ppm		
Test setup:	Spectrum analyzer EUT Att. Variable Power Supply		
	Note: Measurement setup for testing on Antenna connector		
Test procedure:	 Set chamber temperature to 25°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. Reduce the input voltage to specify extreme voltage variation (+/-15%) and endpoint, record the maximum frequency change. 		
Test Instruments:	Refer to section 5.8 for details		
Test mode:	Refer to section 5.3 for details, and all channels have been tested, only shows the worst channel data in this report.		
Test results:	Passed		

Measurement Data (the worst channel):



Reference Frequency: GSM850 Middle channel=190 channel=836.6MHz						
T(%)	Power supplied	Frequency error			-	
Temperature (℃)	(Vdc)	Hz	ppm	Limit (ppm)	Result	
	4.25	78	0.093235			
25	3.70	92	0.109969	2.5	Pass	
	3.40	74	0.088453			
Reference Frequency: PCS1900 Middle channel=661 channel=1880MHz						
Temperature (℃)	Power supplied	Frequency error			-	
	(Vdc)	Hz	ppm	Limit (ppm)	Result	
	4.25	109	0.057979			
25	3.70	92	0.048936	2.5	Pass	
	3.40	79	0.042021			