

Variant FCC RF Test Report

APPLICANT : HUAWEI TECHNOLOGIES CO., LTD.
EQUIPMENT : GSM Mobile Phone
BRAND NAME : HUAWEI
MODEL NAME : HUAWEI G5580
FCC ID : T38UT2016
STANDARD : FCC 47 CFR Part 2, 22(H), 24(E)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
Tx/Rx FREQUENCY RANGE : GSM850 : 824.2 ~ 848.8 MHz /
869.2 ~ 893.8 MHz
GSM1900 : 1850.2 ~ 1909.8 MHz /
1930.2 ~ 1989.8 MHz
MAX. ERP/EIRP POWER : GSM850 (GSM) : 0.88 W
GSM850 (GPRS 8) : 0.91 W
GSM1900 (GSM) : 1.10 W
GSM1900 (GPRS 8) : 1.07 W

This is a variant report which is only valid combined with the original report. The product was received on Oct. 01, 2009 and completely tested on Oct. 28, 2009. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI / TIA / EIA-603-C-2004 and shown 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 (KUNSHAN) INC., the test report shall not be reproduced except in full.

Reviewed by:



Roy Wu / Manager



SPORTON INTERNATIONAL (KUNSHAN) INC.
No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P.R.C.



TABLE OF CONTENTS

REVISION HISTORY	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Applicant.....	5
1.2 Manufacturer	5
1.3 Feature of Equipment Under Test.....	5
1.4 Testing Site.....	6
1.5 Applied Standards	7
1.6 Ancillary Equipment List.....	7
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	8
2.1 Test Mode.....	8
2.2 Connection Diagram of Test System	9
3 TEST RESULT	10
3.1 Effective Radiated Power and Effective Isotropic Radiated Power Measurement	10
3.2 Field Strength of Spurious Radiation Measurement	14
4 LIST OF MEASURING EQUIPMENT	20
5 UNCERTAINTY OF EVALUATION	21
6 CERTIFICATION OF TAF ACCREDITATION	22
APPENDIX A. PHOTOGRAPHS OF EUT	
APPENDIX B. SETUP PHOTOGRAPHS	
APPENDIX C. PRODUCT EQUALITY DECLARATION	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG9O0109	Rev. 01	This is a variant report, which is based on BACL Report Number RSZ09031601-2224. The test of conducted output power, ERP/EIRP, and Spurious Radiation were verified for the change. Please refer to Appendix C for the product equality declaration.	Nov. 04, 2009

SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	§22.913(a)(2)	RSS-132(4.4) SRSP-503(5.1.3)	Effective Radiated Power	< 7 Watts	PASS	-
3.1	§24.232(c)	RSS-133 (6.4) SRSP-510(5.1.2)	Equivalent Isotropic Radiated Power	< 2 Watts	PASS	-
3.2	§2.1053 §22.917(a) §24.238(a)	RSS-132 (4.5.1) RSS-133 (6.5.1)	Field Strength of Spurious Radiation	< $43+10\log_{10}(P[\text{Watts}])$	PASS	Under limit 6.15 dB at 1674 MHz



1 General Description

1.1 Applicant

HUAWEI TECHNOLOGIES CO., LTD.

Administration Building, Huawei Base, Bantian, Longgang District, Shenzhen 518129

1.2 Manufacturer

HUAWEI TECHNOLOGIES CO., LTD.

Administration Building, Huawei Base, Bantian, Longgang District, Shenzhen 518129

1.3 Feature of Equipment Under Test

Product Feature & Specification	
Equipment	GSM Mobile Phone
Brand Name	HUAWEI
Model Name	HUAWEI G5580
FCC ID	T38UT2016
Tx Frequency	GSM850 : 824 MHz ~ 849 MHz GSM1900 : 1850 MHz ~ 1910 MHz
Rx Frequency	GSM850 : 869 MHz ~ 894 MHz GSM1900 : 1930 MHz ~ 1990 MHz
Maximum Output Power to Antenna	GSM850 : 31.72 dBm GSM1900 : 28.95 dBm
Maximum ERP/EIRP	GSM850 (GSM) : 0.88 W (29.45 dBm) GSM850 (GPRS 8) : 0.91 W (29.59 dBm) GSM1900 (GSM) : 1.10 W (30.42 dBm) GSM1900 (GPRS 8) : 1.07 W (30.30 dBm)
Antenna Type	Fixed Internal Antenna
HW Version	V1.0_US
SW Version	G5580CA.P63.M21.01.07
Type of Modulation	GMSK
EUT Stage	Identical Prototype

Remark:

1. For other wireless features of this EUT, the test report will be issued separately.
2. This test report recorded only product characteristics and test results of PCS Licensed Transmitter Held to Ear (PCE).

List of Accessory:

Specification of Accessory		
AC Adapter	Brand Name	HUAWEI
	Model Name	ASUC1 – 050065
	Power Rating	I/P:100-240Vac, 50-60Hz, 0.3A; O/P: 5.0Vdc, 0.65A
Battery	Brand Name	HUAWEI
	Model Name	HB5E3
	Power Rating	3.7Vdc, 680mAh
	Type	Li-ion
Earphone	Brand Name	nf-shunda
	Model Name	TS300-03MS08
	Signal Line Type	1.18 meter non-shielded cable without ferrite core
USB Cable	Brand Name	SWM
	Model Name	SA09100901
	Signal Line Type	1.25 meter shielded cable without ferrite core
LCD Panel	Brand Name	VL
	Model Name	COG-T200MZFP-01
Camera	Brand Name	Sunny
	Model Name	0H026-0JG

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. For accessories equipped with this EUT, please refer to the appendix of the external photo.

1.4 Testing Site

Test Site	SPORTON INTERNATIONAL (KUNSHAN) INC.
Test Site Location	No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P.R.C. TEL: +86-0512-5790-0158 FAX: +86-0512-5790-0958
Test Site No.	Sporton Site No. 03CH01-KS



1.5 Applied Standards

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

- ♦ FCC 47 CFR Part 2, 22(H), 24(E)
- ♦ ANSI / TIA / EIA-603-C-2004
- ♦ IC RSS-132 Issue 2
- ♦ IC RSS-133 Issue 5

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B (DoC), recorded in a separate test report.

1.6 Ancillary Equipment List

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU200	N/A	N/A	Unshielded, 1.8 m

2 Test Configuration of Equipment Under Test

2.1 Test Mode

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Frequency range investigated for radiated emission is as follows:

1. 30 MHz to 9000 MHz for GSM850.
2. 30 MHz to 19000 MHz for GSM1900.

Test Modes	
Band	Radiated TCs
GSM 850	■ GSM Link
GSM 1900	■ GSM Link

Note:

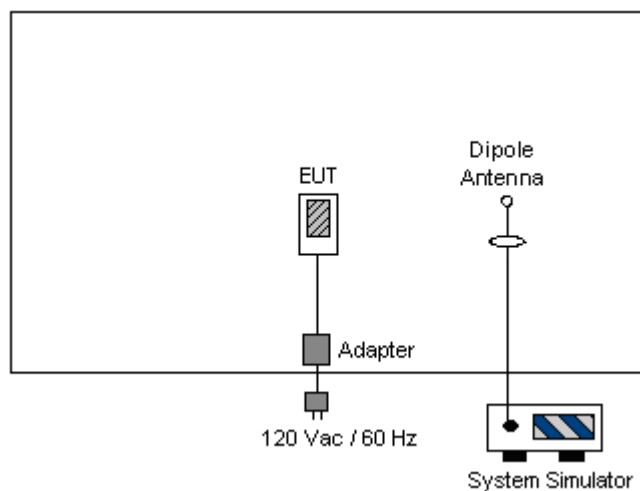
1. The maximum power levels are GSM mode for GMSK link, only these modes were used for all tests.
2. Because there are individual antennas for each GSM and Bluetooth, the co-location test modes are not required.

The conducted power tables are as follows:

Conducted Power						
Band	GSM850			GSM1900		
Channel	128	189	251	512	661	810
Frequency	824.2	836.4	848.8	1850.2	1880.0	1909.8
GSM	31.71	31.71	31.72	28.81	28.86	28.95
GPRS 8	31.71	31.71	31.72	28.71	28.81	28.91
GPRS 10	31.70	31.71	31.72	28.64	28.70	28.75
GPRS 12	31.71	31.70	31.72	28.62	28.58	28.55

(*Unit: dBm)

2.2 Connection Diagram of Test System



3 Test Result

3.1 Effective Radiated Power and Effective Isotropic Radiated Power Measurement

3.1.1 Description of the ERP/EIRP Measurement

ERP/EIRP is measured by substitution method according to ANSI / TIA / EIA-603-C-2004. The ERP of mobile transmitters must not exceed 7 Watts and the EIRP of mobile transmitters are limited to 2 Watts.

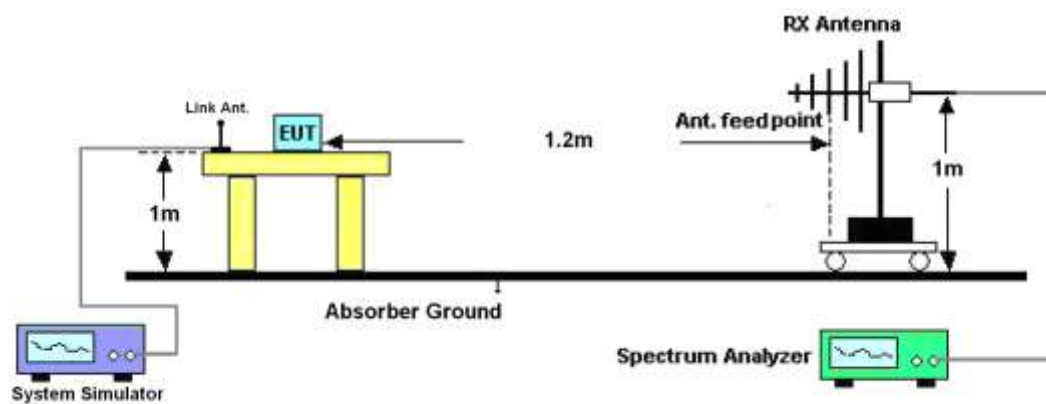
3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

3.1.3 Test Procedures

1. The EUT was placed on a turntable with 1.0 meter height in a fully anechoic chamber.
2. The EUT was set at 1.2 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiated power.
4. The height of the receiving antenna is adjusted to look for the maximum ERP/EIRP.
5. Taking the record of maximum ERP/EIRP.
6. A dipole antenna was substituted in place of the EUT and was driven by a signal generator.
7. The conducted power at the terminal of the dipole antenna is measured.
8. Repeat step 3 to step 5 to get the maximum ERP/EIRP of the substitution antenna.
9. $ERP/EIRP = P_s + E_t - E_s + G_s = P_s + R_t - R_s + G_s$
 P_s (dBm) : Input power to substitution antenna.
 G_s (dBi or dBd) : Substitution antenna Gain.
 $E_t = R_t + AF$
 $E_s = R_s + AF$
 AF (dB/m) : Receive antenna factor
 R_t : The highest received signal in spectrum analyzer for EUT.
 R_s : The highest received signal in spectrum analyzer for substitution antenna.

3.1.4 Test Setup



3.1.5 Test Result of ERP

GSM850 (GSM) Radiated Power ERP						
Horizontal Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBd)	ERP (dBm)	ERP (W)
824.20	-17.59	-48.12	0.00	-1.08	29.45	0.88
836.40	-18.81	-48.28	0.00	-0.93	28.54	0.71
848.80	-20.08	-48.35	0.00	-0.76	27.51	0.56
Vertical Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBd)	ERP (dBm)	ERP (W)
824.20	-32.69	-47.97	0.00	-1.08	14.20	0.03
836.40	-33.69	-48.01	0.00	-0.93	13.39	0.02
848.80	-35.05	-48.05	0.00	-0.76	12.24	0.02

GSM850 (GPRS 8) Radiated Power ERP						
Horizontal Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBd)	ERP (dBm)	ERP (W)
824.20	-17.45	-48.12	0.00	-1.08	29.59	0.91
836.40	-18.84	-48.28	0.00	-0.93	28.51	0.71
848.80	-20.28	-48.35	0.00	-0.76	27.31	0.54
Vertical Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBd)	ERP (dBm)	ERP (W)
824.20	-34.32	-47.97	0.00	-1.08	12.57	0.02
836.40	-35.24	-48.01	0.00	-0.93	11.84	0.02
848.80	-36.12	-48.05	0.00	-0.76	11.17	0.01

3.1.6 Test Result of EIRP

GSM1900 (GSM) Radiated Power EIRP						
Horizontal Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBi)	EIRP (dBm)	EIRP (W)
1850.20	-25.55	-51.88	0.00	1.96	28.29	0.67
1880.00	-24.99	-52.99	0.00	2.00	30.00	1.00
1909.80	-25.84	-54.28	0.00	1.98	30.42	1.10
Vertical Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBi)	EIRP (dBm)	EIRP (W)
1850.20	-28.02	-52.13	0.00	1.96	26.07	0.40
1880.00	-28.21	-53.17	0.00	2.00	26.96	0.50
1909.80	-28.60	-54.13	0.00	1.98	27.51	0.56

GSM1900 (GPRS 8) Radiated Power EIRP						
Horizontal Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBi)	EIRP (dBm)	EIRP (W)
1850.20	-25.74	-51.88	0.00	1.96	28.10	0.65
1880.00	-25.34	-52.99	0.00	2.00	29.65	0.92
1909.80	-25.96	-54.28	0.00	1.98	30.30	1.07
Vertical Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBi)	EIRP (dBm)	EIRP (W)
1850.20	-28.49	-52.13	0.00	1.96	25.60	0.36
1880.00	-28.75	-53.17	0.00	2.00	26.42	0.44
1909.80	-29.06	-54.13	0.00	1.98	27.05	0.51

3.2 Field Strength of Spurious Radiation Measurement

3.2.1 Description of Field Strength of Spurious Radiated Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA / EIA-603-C-2004. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

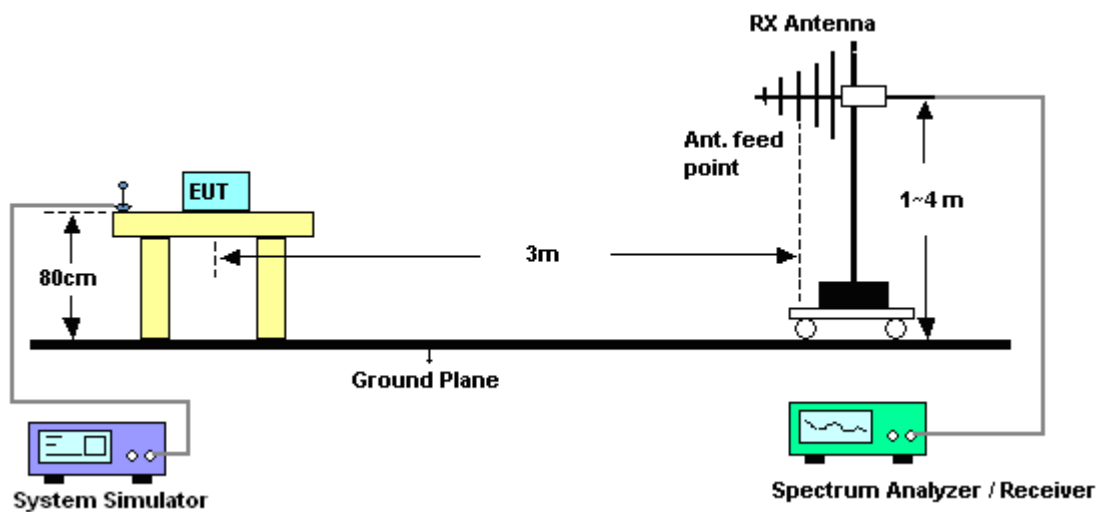
3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

3.2.3 Test Procedures

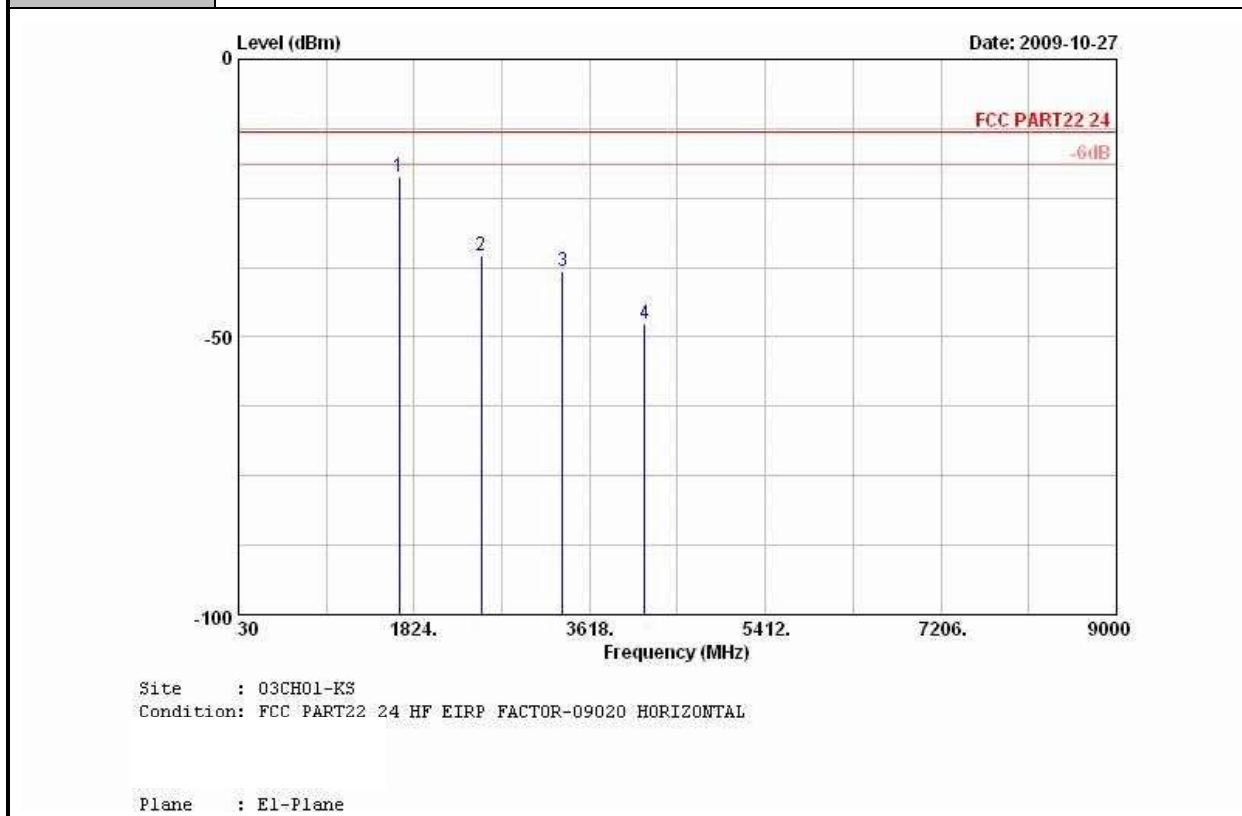
1. The EUT was placed on a rotatable wooden table with 0.8 meter about ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$

3.2.4 Test Setup



3.2.5 Test Result of Field Strength of Spurious Radiated

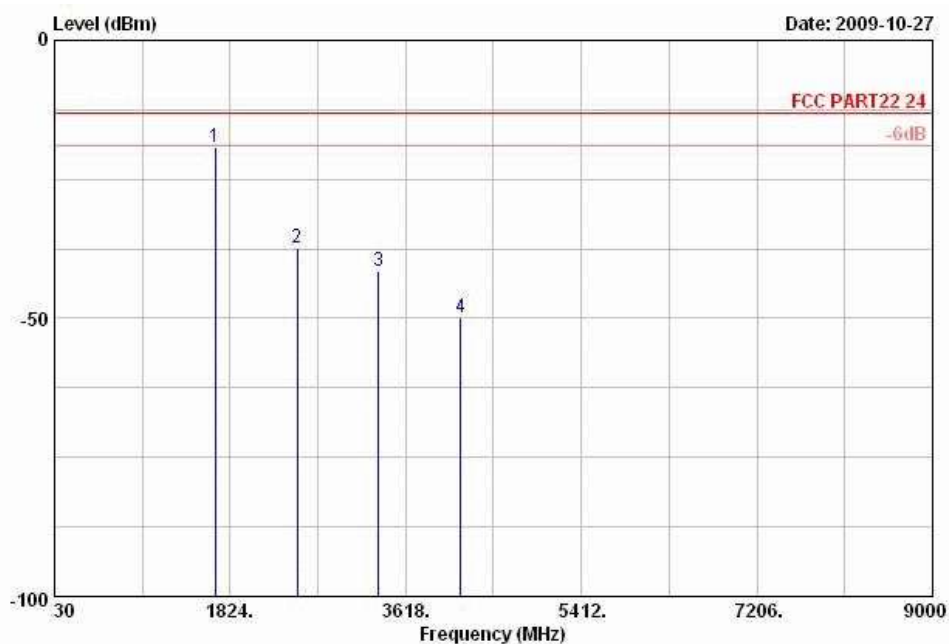
Band :	GSM850	Temperature :	27~28°C
Test Mode :	GSM Link	Relative Humidity :	40~42%
Test Engineer :	Harvey Tang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1674	-21.17	-13	-8.17	-28.97	-24.38	0.69	6.05	H	Pass
2510	-35.51	-13	-22.51	-43.92	-38.31	0.82	5.77	H	Pass
3344	-38.20	-13	-25.20	-49.14	-42.86	0.99	7.80	H	Pass
4182	-47.67	-13	-34.67	-60.76	-53.20	1.08	8.76	H	Pass



Band :	GSM850	Temperature :	27~28°C
Test Mode :	GSM Link	Relative Humidity :	40~42%
Test Engineer :	Harvey Tang	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



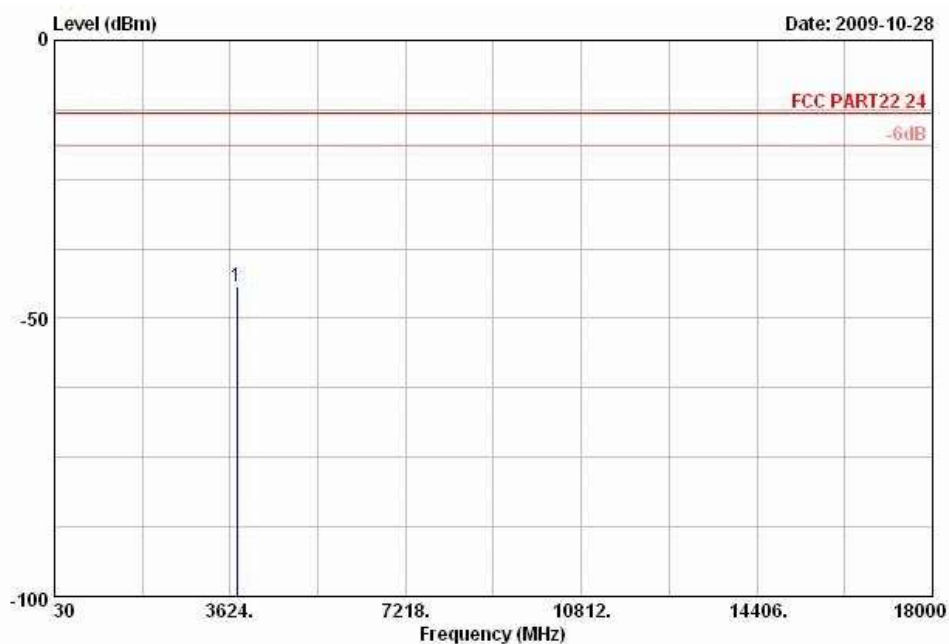
Site : 03CH01-KS
Condition: FCC PART22 24 HF EIRP FACTOR-09020 VERTICAL

Plane : E1-Plane

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1674	-19.15	-13	-6.15	-26.95	-22.36	0.69	6.05	V	Pass
2510	-37.28	-13	-24.28	-45.69	-40.08	0.82	5.77	V	Pass
3344	-41.59	-13	-28.59	-52.53	-46.25	0.99	7.80	V	Pass
4182	-49.76	-13	-36.76	-62.85	-55.29	1.08	8.76	V	Pass



Band :	GSM1900	Temperature :	27~28°C
Test Mode :	GSM Link	Relative Humidity :	40~42%
Test Engineer :	Harvey Tang	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



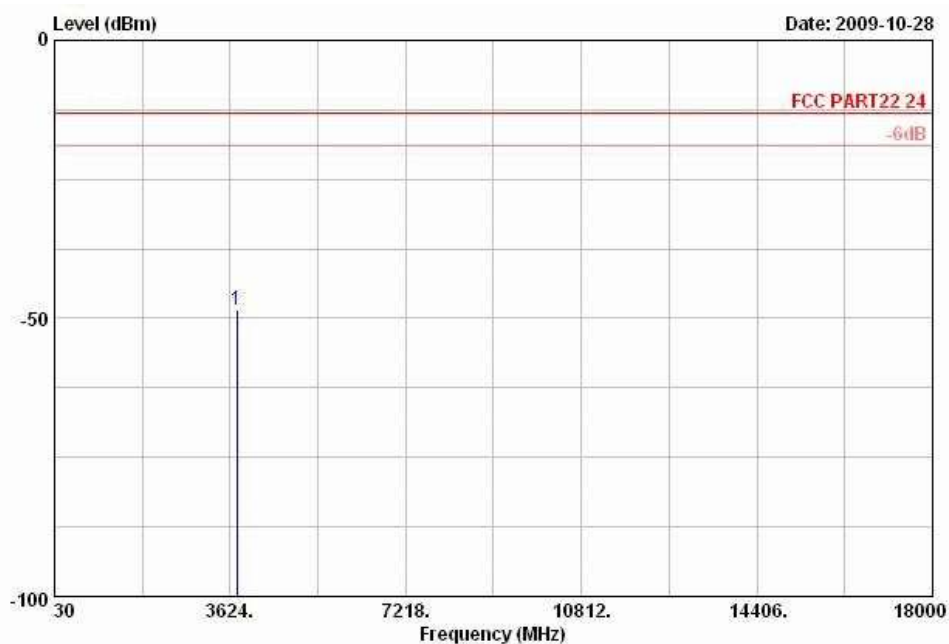
Site : 03CH01-KS
Condition: FCC PART22 24 HF EIRP FACTOR-09020 HORIZONTAL

Plane : E2-Plane

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-44.38	-13	-31.38	-58.09	-52.31	0.11	8.04	H	Pass



Band :	GSM1900	Temperature :	27~28°C
Test Mode :	GSM Link	Relative Humidity :	40~42%
Test Engineer :	Harvey Tang	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



Site : 03CH01-KS
Condition: FCC PART22 24 HF EIRP FACTOR-09020 VERTICAL

Plane : E2-Plane

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-48.46	-13	-35.46	-62.17	-56.39	0.11	8.04	V	Pass

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
Spectrum Analyzer	R&S	ESCI	100534	9kHz – 2.75GHz	Dec. 08, 2008	Dec. 07, 2009	Radiation (03CH01-KS)
Spectrum Analyzer	R&S	FSP40	100319	9kHz~40GHz	Dec. 08, 2008	Dec. 07, 2009	Radiation (03CH01-KS)
Bilog Antenna	SCHAFFNER	CBL6112D	23182	25MHz~2GHz	Dec. 17, 2008	Dec. 16, 2009	Radiation (03CH01-KS)
Double Ridge Horn Antenna	EMCO	3117	75959	1GHz~18GHz	Dec. 17, 2008	Dec. 16, 2009	Radiation (03CH01-KS)
Amplifier	Wireless	FPA6592G	600006	30MHz~2GHz	Dec. 17, 2008	Dec. 16, 2009	Radiation (03CH01-KS)
Amplifier	Agilent	8449B	3008A02370	1GHz~26.5GHz	Dec. 17, 2008	Dec. 16, 2009	Radiation (03CH01-KS)
Signal Generator	R&S	SMR40	100455	10MHz~40GHz	Dec. 08, 2008	Dec. 07, 2009	Radiation (03CH01-KS)
System Simulator	R&S	CMU200	837587/066	Full-Band/BT	Jan. 08, 2009	Jan. 07, 2011	Radiation (03CH01-KS)

5 Uncertainty of Evaluation

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

Contribution	Uncertainty of X_i		$u(X_i)$
	dB	Probability Distribution	
Receiver Reading	0.41	Normal (k=2)	0.21
Antenna Factor Calibration	0.83	Normal (k=2)	0.42
Cable Loss Calibration	0.25	Normal (k=2)	0.13
Pre-Amplifier Gain Calibration	0.27	Normal (k=2)	0.14
RCV/SPA Specification	2.50	Rectangular	0.72
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29
Site Imperfection	1.43	Rectangular	0.83
Mismatch	+0.39 / -0.41	U-Shape	0.28
Combined Standard Uncertainty $U_c(y)$	1.27		
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	2.54		

Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Contribution	Uncertainty of X_i		$u(X_i)$	C_i	$C_i * u(X_i)$
	dB	Probability Distribution			
Receiver Reading	± 0.10	Normal (k=2)	0.10	1	0.10
Antenna Factor Calibration	± 1.70	Normal (k=2)	0.85	1	0.85
Cable Loss Calibration	± 0.50	Normal (k=2)	0.25	1	0.25
Receiver Correction	± 2.00	Rectangular	1.15	1	1.15
Antenna Factor Directional	± 1.50	Rectangular	0.87	1	0.87
Site Imperfection	± 2.80	Triangular	1.14	1	1.14
Mismatch Receiver VSWR $\Gamma_1 = 0.197$ Antenna VSWR $\Gamma_2 = 0.194$ Uncertainty = $20\log(1-\Gamma_1\Gamma_2)$	+0.34 / -0.35	U-Shape	0.244	1	0.244
Combined Standard Uncertainty $U_c(y)$	2.36				
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.72				

6 Certification of TAF Accreditation


Certificate No. : L1190-090417
財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

This is to certify that

Sporton International Inc.
EMC & Wireless Communications Laboratory
No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien,
Taiwan, R.O.C.

is accredited in respect of laboratory

Accreditation Criteria	: ISO/IEC 17025:2005
Accreditation Number	: 1190
Originally Accredited	: December 15, 2003
Effective Period	: January 10, 2007 to January 09, 2010
Accredited Scope	: Testing Field, see described in the Appendix
Specific Accreditation Program	: Accreditation Program for Designated Testing Laboratory for Commodities Inspection Accreditation Program for Telecommunication Equipment Testing Laboratory Accreditation Program for BSMI Mutual Recognition Arrangement with Foreign Authorities


Jay-San Chen
President, Taiwan Accreditation Foundation
Date : April 17, 2009

P1, total 20 pages

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix



Appendix A. Photographs of EUT

Please refer to Sporton report number EP9O0109 as below.

Appendix C. Product Equality Declaration

Huawei Technologies Co., Ltd.

Administration Building, Huawei Base, Bantian, Longgang District, Shenzhen 518129

Date: November 6, 2009

Product Equality Declaration

We, Huawei Technologies Co., Ltd., declare on our sole responsibility for the product of HUAWEI G5580 (model) as below:

The differences are listed as below:

1. Product Appearance
2. Shape of GSM Antenna
3. The difference between accessory:
 - (1) Change battery and adapter
 - (2) Add earphone and USB cable

So that performed related EMC tests, for instance, Radiated Emission (RE), Conducted Emission, Radiated Spurious Emission (RSE), conducted power, ERP/EIRP, and SAR.

Except Listings above, the others are the same as previous version including RF Platform (Block diagram, Circuit diagram, RF component is the same)

Should you have any questions or comments regarding this matter, please have my best attention.

Sincerely yours

Wang Peng

Contact Person: WangPeng

Company: Huawei Technologies Co., Ltd.

Tel: +86-29-68584229

Fax: +86-755-36834474

E-Mail: wangp079@huawei.com