

47 CFR PART 22H & 24E

TEST REPORT

of

Quad Band GSM mobile phone with Bluetooth

Trade Name:

ConnectEasy

Brand Name:

ABE CS9133

Model Name:

CS9133 / BP01

Report No.:

SZ09100093E04

FCC ID.:

XWE-CS9133

prepared for

GRAND DRAGON INTERNATIONAL ENTERPRISE LIMITED

Room 1307-8, Dominion Centre, 43-59 Queen's Road East, Wanchai, Hong Kong

prepared by

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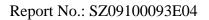
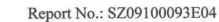




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	Change History								
Issue	Date	Reason for change							
1.0	November 25, 2009	First edition							





1. TEST CERTIFICATION

Equipment under Test: Quad Band GSM mobile phone with Bluetooth

Trade Name: ConnectEasy
Brand Name: ABE CS9133
Model Name: CS9133/BP01
FCC ID: XWE-CS9133

Applicant: GRAND DRAGON INTERNATIONAL ENTERPRISE LIMITED

Room 1307-8, Dominion Centre, 43-59 Queen's Road East,

Wanchai, Hong Kong

Manufacturer: In-Tech Electronics Ltd

Unit A, 13/F, Wing Tai Centre, 12 Hing Yip Street, Kwun Tong,

Kowloon, Hong Kong

Test Standards: 47 CFR Part 2

47 CFR Part 22 Subpart H 47 CFR Part 24 Subpart E

Test Date(s): November 25, 2009 - December 08, 2009

Test Result: PASS

* We Hereby Certify That:

The equipment under test was tested by Shenzhen Electronic Product Quality Testing Center Morlab Laboratory. The test data, data evaluation, test procedures and equipment configurations shown in this report were made in accordance with the requirement of related FCC rules.

The test results of this report only apply for the tested sample equipment identified above. The test report shall be invalid without all the signatures of the test engineer, the reviewer and the approver.

Tested by: Mo Huina Dated: 2010.1.b

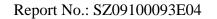
Mo Huina

Reviewed by: David Depresenting Dated: 1 2010 1.6

Deng Jiankun

Approved by: Dated: 20/0.1.6

Shu Luan





2. GENERAL INFORMATION

2.1 EUT Description

EUT Type...... Quad Band GSM mobile phone with Bluetooth

Model Name CS9133 / BP01

Serial No..... (n.a, marked #1 by test site)

Hardware Version 0.1 Software Version 0.1

Frequency Range GSM 850MHz:

Tx: 824.20 - 848.80MHz (at intervals of 200kHz);

Rx: 869.20 - 893.80MHz (at intervals of 200kHz)

GSM 1900MHz:

Tx: 1850.20 - 1909.80MHz (at intervals of 200kHz);

Rx: 1930.20 - 1989.80MHz (at intervals of 200kHz)

Modulation Type...... GMSK Emission Designators...... 300KGXW

Power Supply..... Battery

Model Name: BL5C_BAKINTK_OEM-7668

BL5C_OEM-7669-INJECTION

Brand name: 9133-5C

Capacitance: 900mAh /1050mAh

Rated voltage: 3.7V

Manufacturer: Shenzhen BAK Technology Co., Ltd

Manufacturer Address: No.1706, Tian An Cyber Time Town A,

Tian An Cyber Park Chegongmiao, Futian, Shenzhen, China

Ancillary Equipments..... AC Adapter (Charger for Battery)

Model Name: SSA-5W-XX Series
Brand Name: SIL Switching Adaptor
Serial No.: (n.a. marked #1 by test site)
Rated Input: ~ 100-240V, 0.3W, 50-60Hz

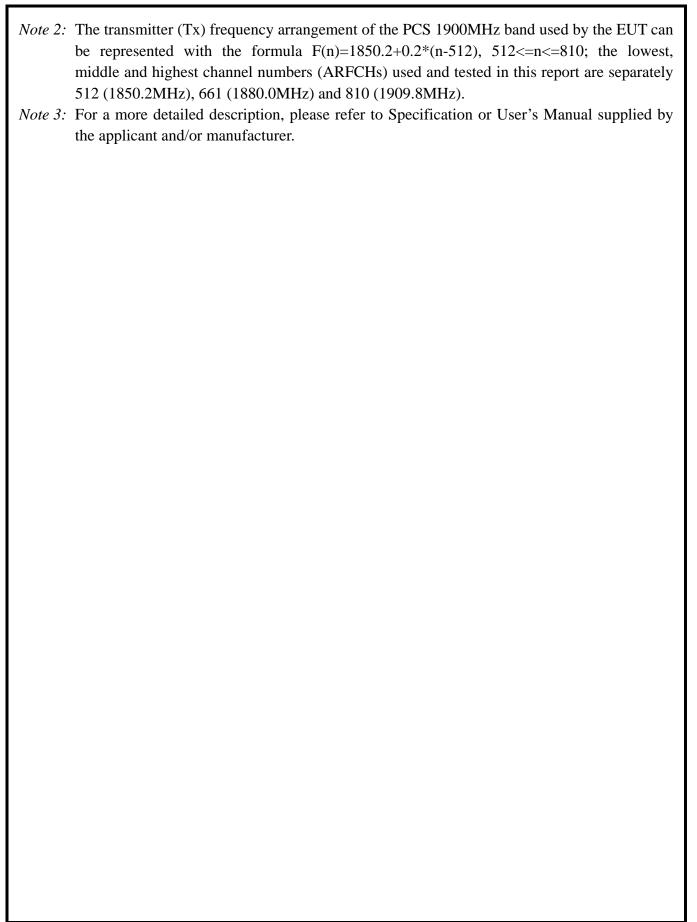
Rated Output: = 5V, 800 mA

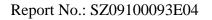
Manufacturer: SunStrong Industrial Ltd

Manufacturer Address: Flat5-9, 10/F, Wing Hing Industrial Building, No. 83-89, Chai Wan Kok St., Tsuen Wan, Hong Kong

Note 1: The transmitter (Tx) frequency arrangement of the Cellular 850MHz band used by the EUT can be represented with the formula F(n)=824.2+0.2*(n-128), 128<=n<=251; the lowest, middle, highest channel numbers (ARFCHs) used and tested in this report are separately 128 (824.2MHz), 190 (836.6MHz) and 251 (848.8MHz).









2.2 Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 2, Part 22 and Part 24 for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General
	(10-1-05 Edition)	Rules and Regulations
2	47 CFR Part 22	Public Mobile Services
	(10-1-05 Edition)	
3	47 CFR Part 24	Personal Communications Services
	(10-1-05 Edition)	

Test detailed items/section required by FCC rules and results are as below:

No.	Section	Description	Result
1	2.106	Frequencies	PASS
	22.905		
	24.229		
2	2.1046	Conducted RF Output Power	PASS
3	2.1049	20dB Occupied Bandwidth	PASS
4	2.1055	Frequency Stability	PASS
	22.355		
	24.235		
5	2.1051	Conducted Out of Band Emissions	PASS
	2.1057		
	22.917		
	24.238		
6	2.1051	Band Edge	PASS
	2.1057		
	22.917		
	24.238		
7	22.913	Transmitter Radiated Power (EIPR/ERP)	PASS
	24.232		
8	2.1053	Radiated Out of Band Emissions	PASS
	2.1057		
	22.917		
	24.238		



2.3 Facilities and Accreditations

2.3.1 Facilities

Shenzhen Electronic Product Quality Testing Center Morlab Laboratory is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L1659.

All measurement facilities used to collect the measurement data are located at Electronic Testing Building, Shahe Road, Xili, Nanshan District, Shenzhen 518055 CHINA. The test site is constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22; the FCC registration number is 741109.

2.3.2 Test Environment Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	20 - 25
Relative Humidity (%):	40 - 60
Atmospheric Pressure (kPa):	96



3. 47 CFR PART 2, PART 22H REQUIREMENTS

3.1 Frequencies

3.1.1 Requirement

According to FCC section 22.905, the frequency blocks assignment for the cellular radiotelephone service is listed as below:

(a) Channel Block A:

Mobile 824 - 835MHz, Base 869 - 880MHz;

Mobile 845 - 846.5MHz, Base 890 - 891.5MHz

(b) Channel Block B:

Mobile 835 - 845 MHz, Base 880 - 890MHz;

Mobile 846.5 - 849 MHz, Base 891.5 - 894MHz

According to FCC section 24.229, the frequencies available in the Broadband PCS services are listed as below, in accordance with the frequency allocations table of FCC section 2.106.

(a) The following frequency blocks are available for assignment on an MTA basis:

Block A: 1850 - 1865MHz paired with 1930 - 1945MHz;

Block B: 1870 - 1885MHz paired with 1950 - 1965MHz.

(b) The following frequency blocks are available for assignment on a BTA basis:

Block C: 1895 - 1910 MHz paired with 1975 - 1990MHz;

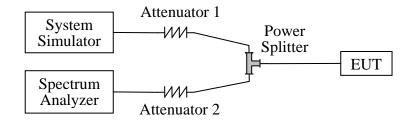
Block D: 1865 - 1870 MHz paired with 1945 - 1950MHz;

Block E: 1885 - 1890 MHz paired with 1965 - 1970MHz;

Block F: 1890 - 1895 MHz paired with 1970 - 1975MHz.

3.1.2 Test Description

1. Test Setup:



The EUT, which is powered by the Battery, is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna



terminal is 500hm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.

2. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
System Simulator	Agilent	E5515C	GB43130131	2009.08	1year
Spectrum Analyzer	Agilent	E7405A	US44210471	2009.08	1year
Power Splitter	Weinschel	1506A	NW521	(n.a.)	(n.a.)
Attenuator 1	Resnet	20dB	(n.a.)	(n.a.)	(n.a.)
Attenuator 2	Resnet	3dB	(n.a.)	(n.a.)	(n.a.)

3.1.3 Test Result

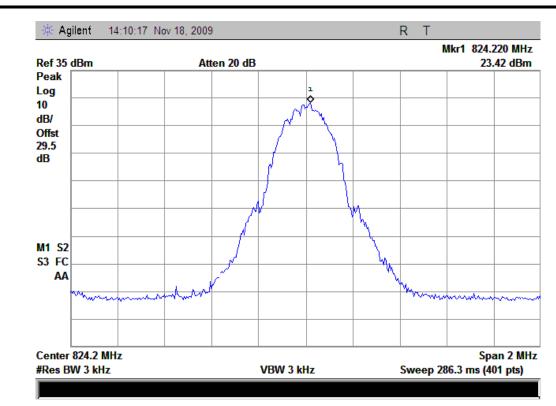
The Tx frequency arrangement of the Cellular 850MHz band employed by the EUT should be from 824.2MHz to 848.8MHz (the corresponding frequency block is from 824MHz to 849MHz), and Tx frequency arrangement of the PCS 1900MHz band employed by the EUT should be from 1850.2MHz to 1909.8MHz (the corresponding frequency block is from 1850MHz to 1910MHz). Here the lowest and highest channels are tested to verify the EUT's using the frequency block required.

1. Test Verdict:

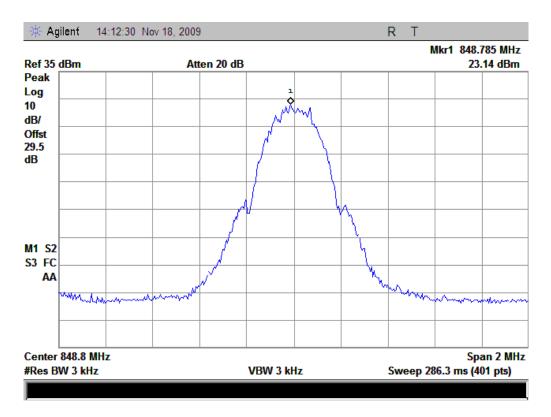
The required frequency block is employed legally, the verdict is PASS.

Band	Channel	Frequency (MHz)	Measured Carrier (dBm)	Refer to Plot
GSM	128	824.2	23.42	Plot A
850MHz	251	848.8	23.14	Plot B
GSM	512	1850.2	19.24	Plot C
1900MHz	810	1909.8	21.08	Plot D



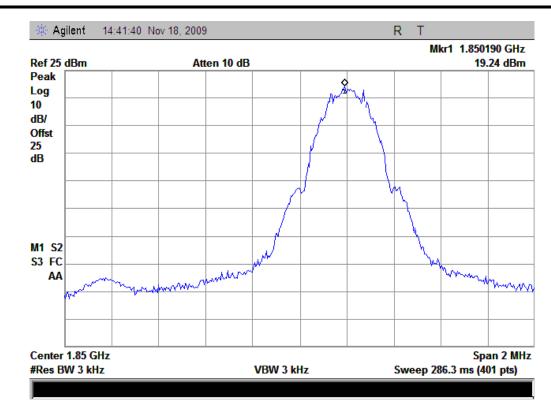


(Plot A: GSM 850MHz Channel = 128)

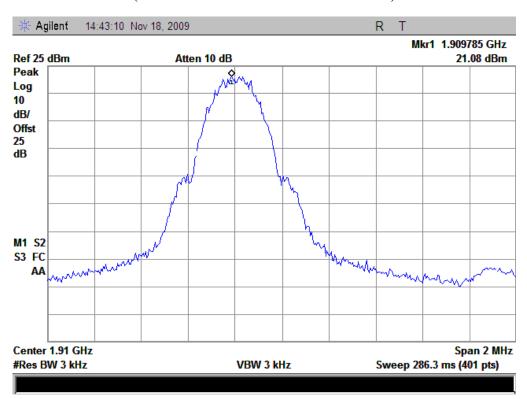


(Plot B: GSM 850MHz Channel = 251)





(Plot C: GSM 1900MHz Channel = 512)



(Plot D: GSM 1900MHz Channel = 810)



3.2 Conducted RF Output Power

3.2.1 Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

3.2.2 Test Description

See section 3.1.2 of this report.

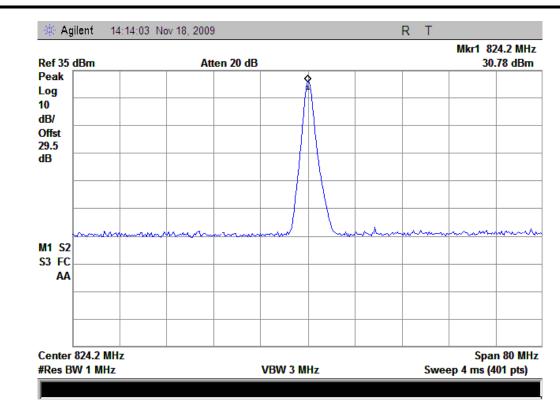
3.2.3 Test Result

Here the lowest, middle and highest channels are selected to perform testing to verify the conducted RF output power of the EUT. For the GSM 850MHz operates at PCL=5 (where Power Class is 4), the rated conducted RF output power is 33dBm within the tolerance of ±3dB, and For the GSM 1900MHz operates at PCL=0 (where Power Class is 1), the rated conducted RF output power is 30dBm within the tolerance of ±3dB.

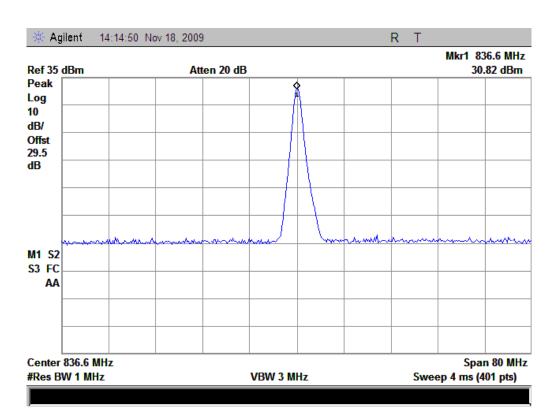
1. Test Verdict:

			Mea	sured Output	Rated Output		
Dand	Channal	Emaguar av. (MII.a)		Power		Power	Vandiat
Band	Channel	Frequency (MHz)	dDm	dBm Refer to Plot	dBm	Tolerance	Verdict
			ubili		ubili	(dB)	
GSM	128	824.2	30.78	Plot A			PASS
850MHz	190	836.6	30.82	Plot B	33	±3	PASS
OSUMINZ	251	848.8	30.99	Plot C			PASS
CCM	512	1850.2	27.20	20 Plot D		PASS	
GSM 1000MHz	661	1880.0	27.94	Plot E	30	±3	PASS
1900MHz	810	1909.8	30.37	Plot F			PASS



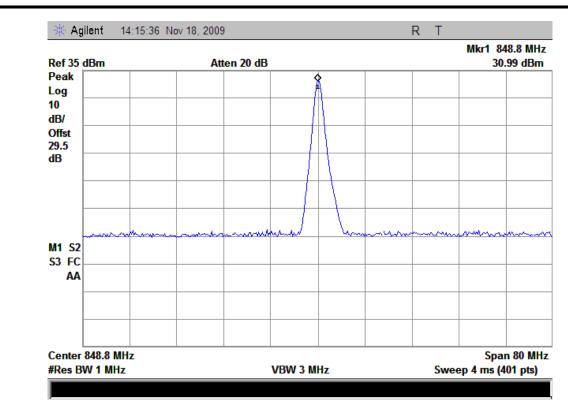


(Plot A: GSM 850MHz Channel = 128)

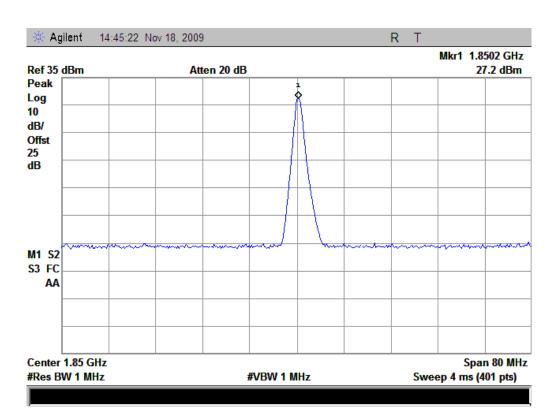


(Plot B: GSM 850MHz Channel = 190)



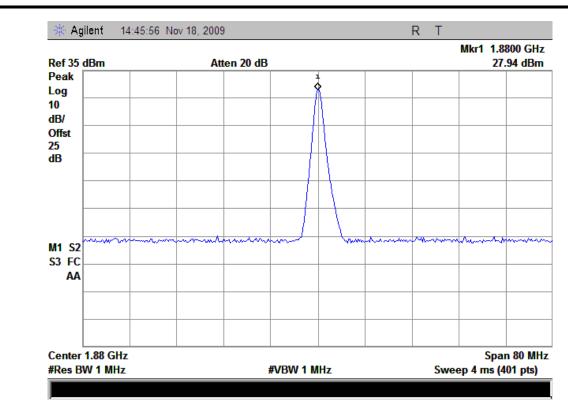


(Plot C: GSM 850MHz Channel = 251)

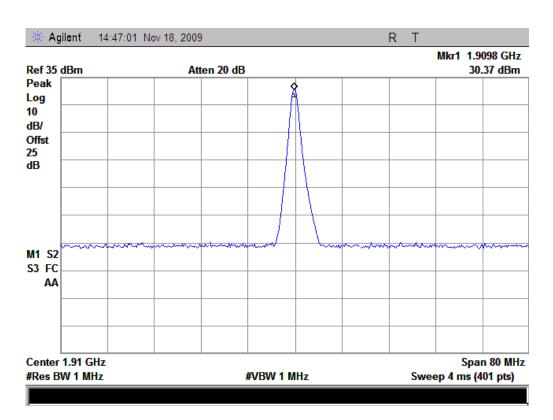


(Plot D: GSM 1900MHz Channel = 512)





(Plot E: GSM 1900MHz Channel = 661)



(Plot F: GSM 1900MHz Channel = 810)



3.3 99% Occupied Bandwidth

3.3.1 Definition

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission.

Occupied bandwidth is also known as the 99% emission bandwidth,.

3.3.2 Test Description

See section 3.1.2 of this report.

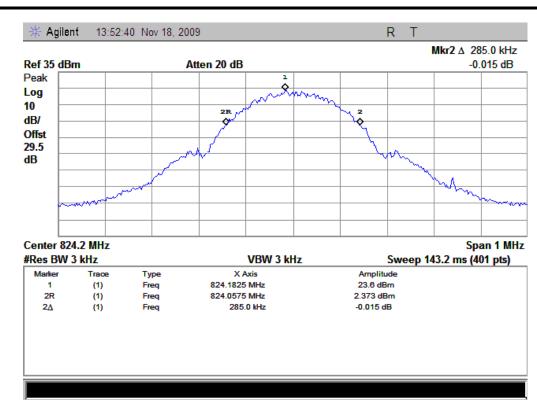
3.3.3 Test Verdict

Here the lowest, middle and highest channels are tested to record the 99% occupied bandwidth, it's about 300kHz.

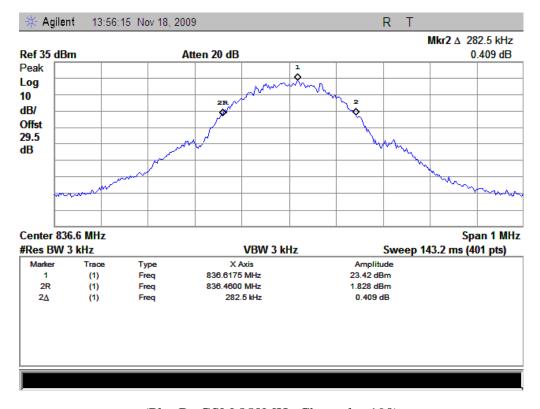
1. Test Verdict:

Band	Channel	Frequency (MHz)	Measured 99% Occupied Bandwidth (kHz)	Refer to Plot
GSM	128	824.2	285	Plot A
850MHz	190	836.6	282	Plot B
OSUMITZ	251	848.8	287	Plot C
GSM	512	1850.2	295	Plot D
1900MHz	661	1880.0	295	Plot E
1 900 MITZ	810	1909.8	290	Plot F



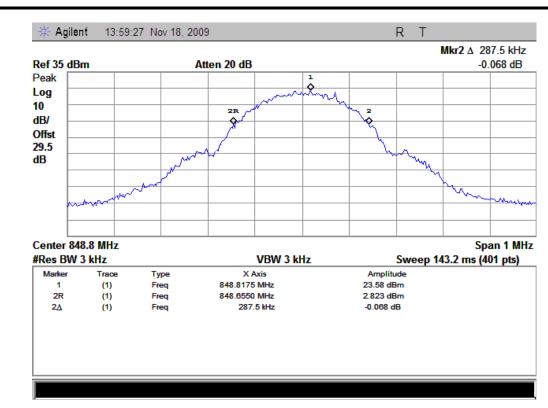


(Plot A: GSM 850MHz Channel = 128)

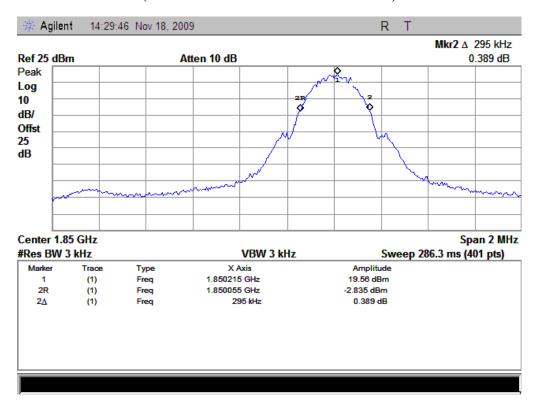


(Plot B: GSM 850MHz Channel = 190)



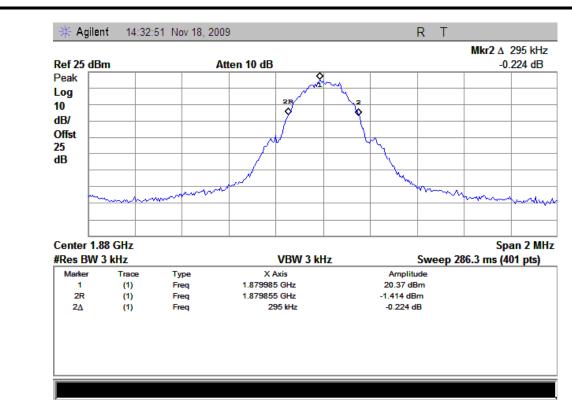


(Plot C: GSM 850MHz Channel = 251)

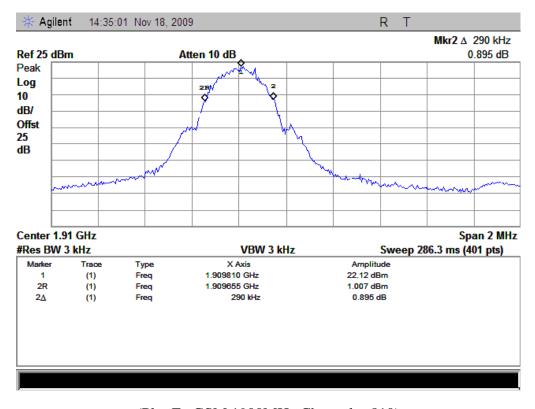


(Plot D: GSM 1900MHz Channel = 512)





(Plot E: GSM 1900MHz Channel = 661)



(Plot F: GSM 1900MHz Channel = 810)



3.4 Frequency Stability

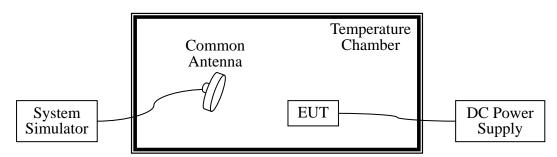
3.4.1 Requirement

According to FCC section 22.355 and FCC section 24.235, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from -30° C to $+50^{\circ}$ C at intervals of not more than 10° C.
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

3.4.2 Test Description

1. Test Setup:



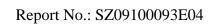
The EUT, which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS via a Common Antenna.

2. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
System Simulator	Agilent	E5515C	GB43130131	2009.08	1year
DC Power Supply	Good Will	GPS-3030DD	EF920938	2009.08	2year
Temperature	YinHe Experimental	HL4003T	(n.a.)	2009.08	1year
Chamber	Equip.				

3.4.3 Test Verdict

The nominal, highest and lowest extreme voltages are separately 3.7VDC, 4.2VDC and 3.6VDC, which are specified by the applicant; the normal temperature here used is 25°C. The frequency





deviation limit of GSM 850MHz band is $\pm 2.5 ppm$, and GSM 1900MHz is $\pm 1 ppm$

	Test C	onditions	Frequency Deviation						
Band	Power	Temperat	Chann	iel = 128	Chann	Channel = 190		Channel = 251	
Danu	(VDC)	1	(824.2MHz)		(836.6MHz)		(848.8MHz)		Verdict
	(VDC)	ure (C)	Hz	Limits	Hz	Limits	Hz	Limits	
		-30	-24.36		-26.31		-22.98		
		-20	-26.31		-28.29		-23.96		
		-10	-7.03		-9.34		-3.85		
		0	6.89		8.02		8.61		
GSM	3.7	+10	24.56		27.99		25.72		
850MHz		+20	8.62	±2060.5	8.67	±2091.5	7.09	±2122	PASS
03011112		+30	-4.89		-5.46		-8.07		
		+40	-23.39		-21.03		-19.72		
		+50	16.05		18.58		15.41		
	4.2	+25	-12.10		-8.83		-15.05		
	3.6	+25	5.69		8.75		5.28		
	Test Conditions		Frequency Deviation						
Band	Power (VDC)	er Temperat	Channel = 512		Channel = 661		Channel = 810		Verdict
Bullu		ure (°C)	(1850.2MHz)		(1880.0MHz)		(1909.8MHz)		Verdier
		(,20)	, ,	Hz	Limits	Hz	Limits	Hz	Limits
		-30	-14.42		-16.32		-14.75		
		-20	-25.41		-27.54		-24.67		
		-10	-28.95		-25.92		-26.19		
		0	0.42		3.97		1.10		
GSM	3.7	+10	-15.25		-13.67		-14.87		
1900MHz		+20	13.17	±1850.2	17.64	±1880.0	16.08	±1909.8	PASS
170011112		+30	6.76		10.82		5.73		
		+40	10.97		8.71		13.43		
		+50	-21.08		-19.19		-18.82		
	4.2	+25	-8.11		-8.61		-5.12		
	3.6	+25	3.32		3.59		5.63		



3.5 Conducted Out of Band Emissions

3.5.1 Requirement

According to FCC section 22.917(a) and FCC section 24.238(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB. This calculated to be -13dBm.

3.5.2 Test Description

See section 3.1.2 of this report.

3.5.3 Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the out of band emissions.

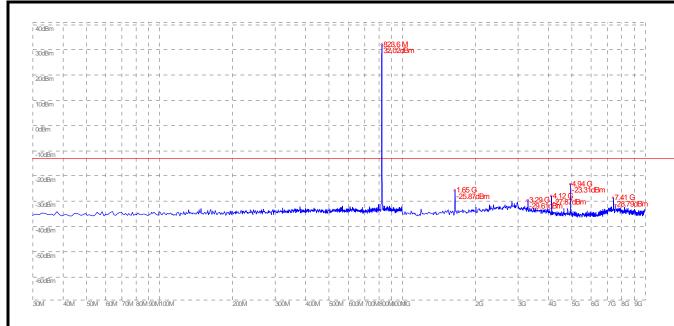
1. Test Verdict:

Band	Channe 1	Frequency (MHz)	Measured Max. Spurious Emission (dBm)	Refer to Plot	Limit (dBm)	Verdic t
CCM	128	824.2	-23.31	Plot A		PASS
GSM 850MHz	190	836.6	-25.59	Plot B	-13	PASS
OSUMITZ	251	848.8	-27.36	Plot C		PASS
CCM	512	1850.2	-36	Plot D		PASS
GSM 1900MHz	661	1880.0	-36	Plot E	-13	PASS
1 900 IVI TIZ	810	1909.8	-36	Plot F		PASS

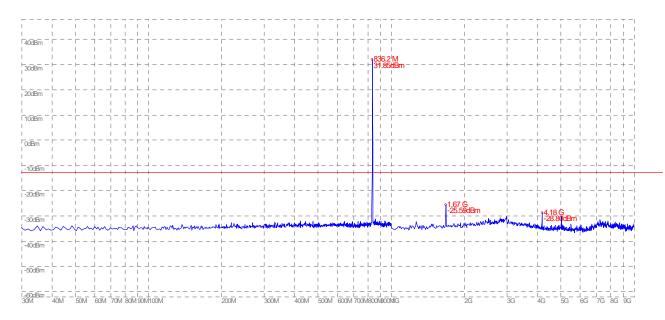
2. Test Plot for the Whole Measurement Frequency Range:

Note: the power of the EUT transmitting frequency should be ignored.



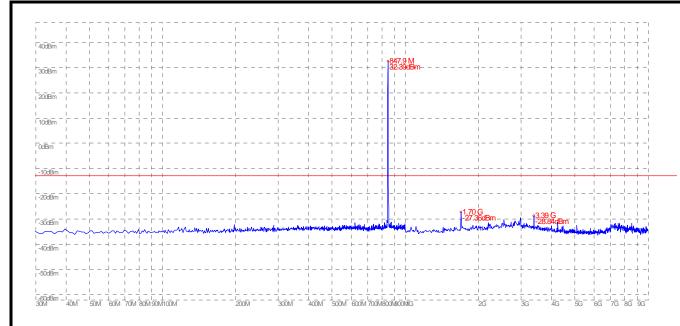


(Plot A: GSM 850MHz Channel = 128, 30MHz to 10GHz)

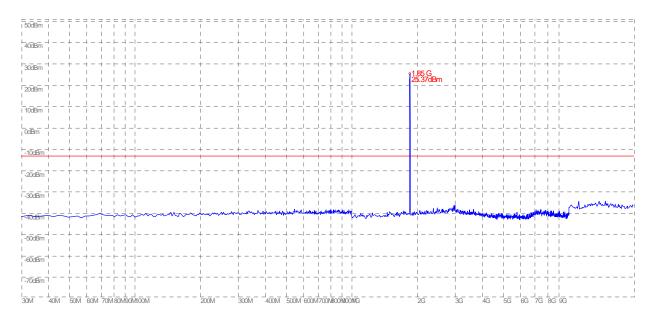


(Plot B: GSM 850MHz Channel = 190, 30MHz to 10GHz)

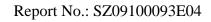




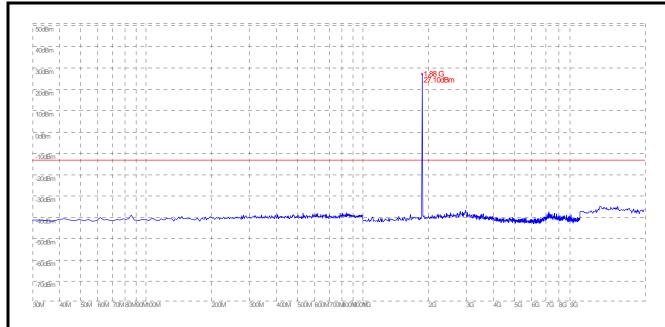
(Plot C: GSM 850MHz Channel = 251, 30MHz to 10GHz)



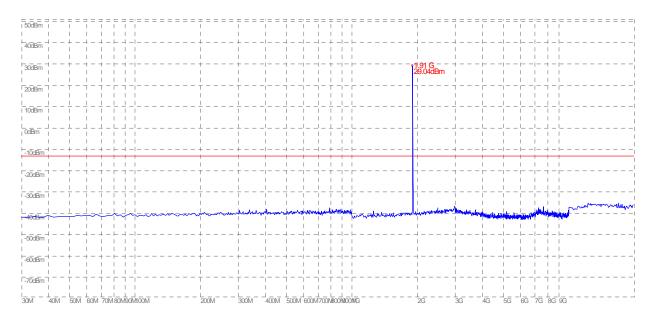
(Plot D: GSM 1900MHz Channel = 512, 30MHz to 20GHz)







(Plot E: GSM 1900MHz Channel = 661, 30MHz to 20GHz)



(Plot F: GSM 1900MHz Channel = 810, 30MHz to 20GHz)



3.6 Band Edge

3.6.1 Requirement

According to FCC section 22.917(b) and FCC section 24.238(b), in the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth (26dB emission bandwidth) of the fundamental emission of the transmitter may be employed.

3.6.2 Test Description

See section 3.1.2 of this report.

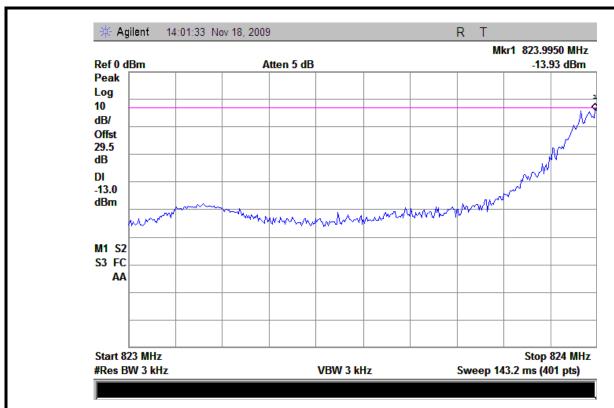
3.6.3 Test Result

The lowest and highest channels are tested to verify the band edge emissions.

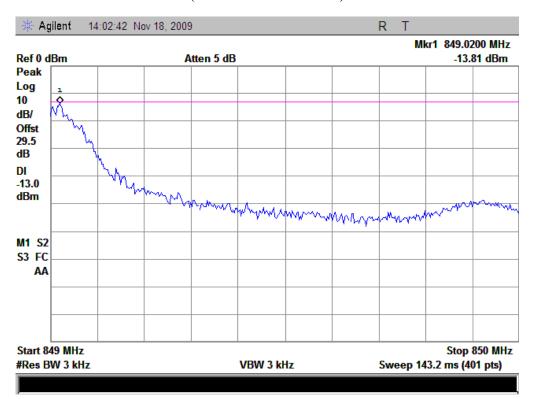
1. Test Verdict:

Band	Channel	Frequency (MHz)	Measured Max. Band Edge Emission (dBm)	Refer to Plot	Limit (dBm)	Verdict
GSM	128	824.2	-13.93	Plat A	12	PASS
850MHz	251	848.8	-13.81	Plot B	-13	PASS
GSM	512	1850.2	-16.21	Plat C	-13	PASS
1900MHz	810	1909.8	-15.22	Plot D	-13	PASS



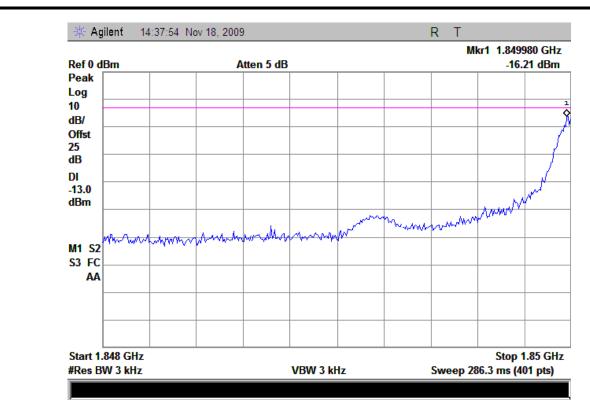


(Plot A: Channel = 128)

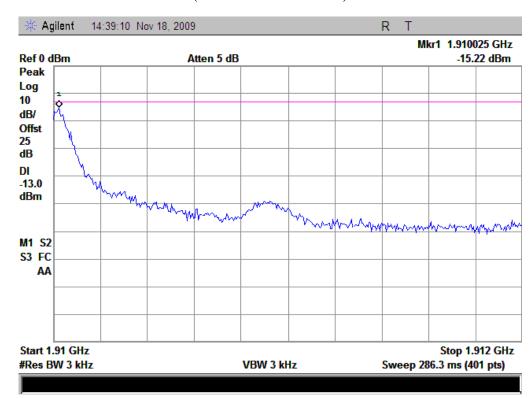


(Plot B: Channel = 251)

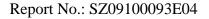




(Plot C: Channel = 512)



(Plot D: Channel = 810)





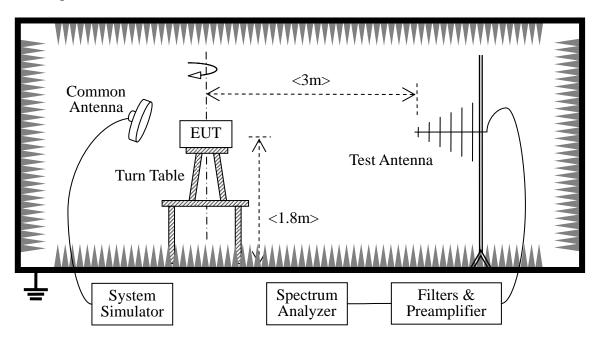
3.7 Transmitter Radiated Power (EIRP/ERP)

3.7.1 Requirement

According to FCC section 22.913, the Effective Radiated Power (ERP) of mobile transmitters and auxiliary test transmitters must not exceed 7Watts, and FCC section 24.232, the broadband PCS mobile station is limited to 2Watts e.i.r.p. peak power.

3.7.2 Test Description

1. Test Setup:



The EUT, which is powered by the Battery charged with the AC Adapter, is located in a 3m Full-Anechoic Chamber; the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. GSM850MHz band Power Control Level (PCL) = 5 and Power Class = 4 and GSM1900MHz band Power Control Level (PCL) = 0 and Power Class = 1. A call is established between the EUT and the SS via a Common Antenna.

The Test Antenna is a Bi-Log one (used for 30MHz to 1GHz) or a Horn one (used for above 3GHz), and it's located at the same height as the EUT. The Filters consists of Notch Filters and High Pass Filter.

2. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
System Simulator	Agilent	E5515C	GB43130131	2009.08	1year



Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	Agilent	E7405A	US44210471	2009.08	1year
Full-Anechoic Chamber	Albatross	9m*6m*6m	(n.a.)	2009.08	2year
Test Antenna - Bi-Log	Schwarzbeck	VULB 9163	9163-274	2009.08	1year
Test Antenna - Horn	Schwarzbeck	BBHA 9120C	9120C-384	2009.08	1year

3.7.3 Test Result

The Turn Table is actuated to turn from 0° to 360° , and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested.

The substitution corrections are obtained as described below:

 $A_{SUBST} = P_{SUBST_TX} - P_{SUBST_RX} - L_{SUBST_CABLES} + G_{SUBST_TX_ANT}$

 $A_{TOT} = L_{CABLES} + A_{SUBST}$

Where A_{SUBST} is the final substitution correction including receive antenna gain.

P_{SUBST_TX} is signal generator level,

P_{SUBST RX} is receiver level,

L_{SUBST CABLES} is cable losses including both TX and RX cables,

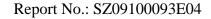
G_{SUBST_TX_ANT} is substitution antenna gain.

A_{TOT} is total correction factor including cable loss and substitution correction

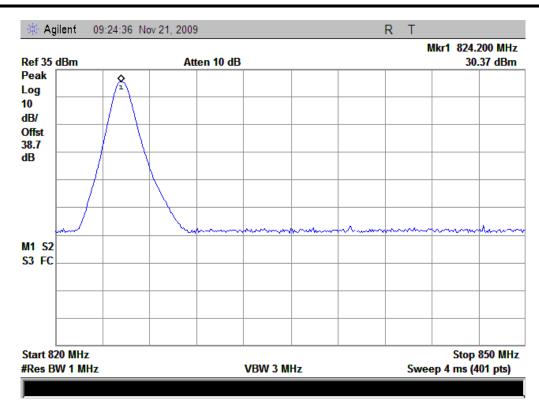
During the test, the data of A_{TOT} was added in the Test Spectrum Analyze, so Spectrum Analyze reading is the final value which contain the data of A_{TOT} .

1. Test Verdict:

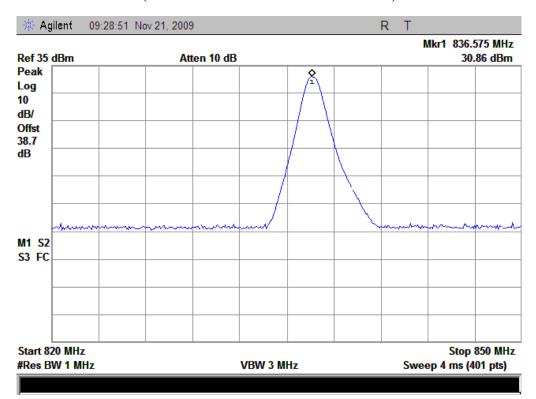
Band	Chann	Frequency	Measured ERP/EIRP			Limit		Verdict	
	el	(MHz)	dBm	W	Refer to Plot	dBm	W	verulet	
GSM 850MHz	128	824.20	30.37	1.09	Plot A		7	PASS	
	190	836.60	30.86	1.22	Plot B	38.45		PASS	
	251	848.80	30.04	1.01	Plot C			PASS	
GSM 1900MHz	512	1850.2	23.96	0.25			2	PASS	
	661	1880.0	23.26	0.21	Plot D	33		PASS	
	810	1909.8	19.36	0.09				PASS	







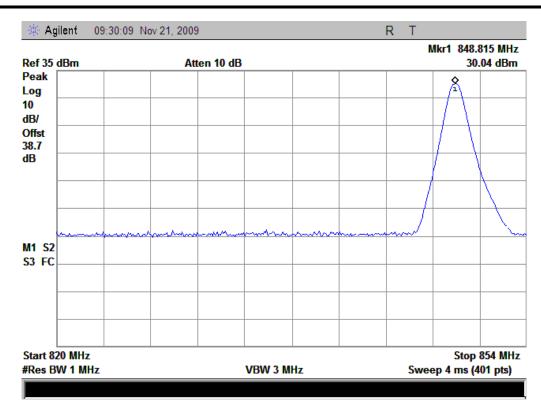
(Plot A: GSM 850MHz Channel = 128)



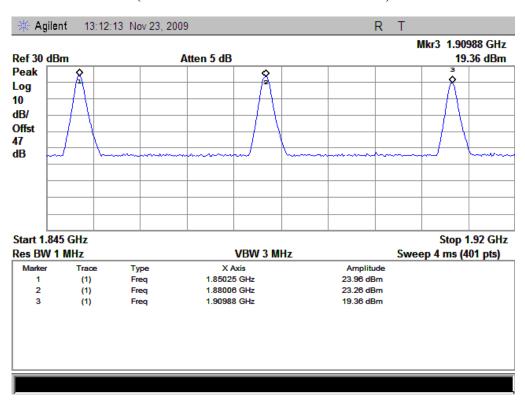
(Plot B: GSM 850MHz Channel = 190)







(Plot C: GSM 850MHz Channel = 251)



(Plot D: GSM 1900MHz Channel = 512, 661, 810)



3.8 Radiated Out of Band Emissions

3.8.1 Requirement

According to FCC section 22.917(a) and section 24.238(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB. This calculated to be -13dBm.

3.8.2 Test Description

See section 3.7.2 of this report.

Note: when doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

3.8.3 Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360° , and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested to verify the out of band emissions.

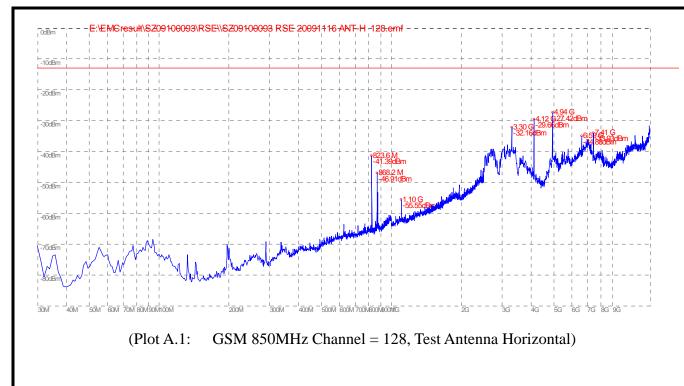
1. Test Verdict:

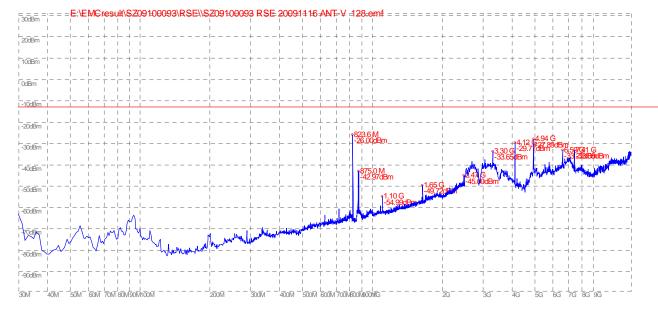
Band	Channe 1	Frequenc y (MHz)		ax. Spurious n (dBm)		Limit (dBm)	Verdict
			Test Antenna	Test Antenna	Refer to Plot		
			Horizontal	Vertical			
CCM	128	824.2	-27.42	-27.89	Plot A.1/A.2		PASS
GSM 850MHz	190	836.6	-26.69	-27.86	Plot B.1/B.2	-13	PASS
	251	848.8	-25.86	-26.81	Plot C.1/C.2		PASS
GSM 1900MHz	512	1850.2	-26.7	-38.29	Plot D.1/D.2		PASS
	661	1880.0	-26.6	-26.65	Plot E.1/E.2	-13	PASS
	810	1909.8	-34.09	-32.84	Plot F.1/F.2		PASS

2. Test Plot for the Whole Measurement Frequency Range:

Note: the power of the EUT transmitting frequency should be ignored.

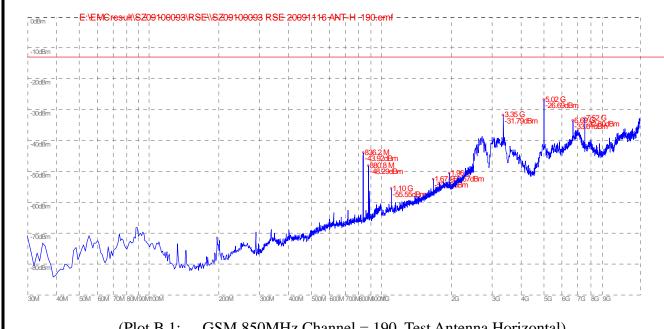




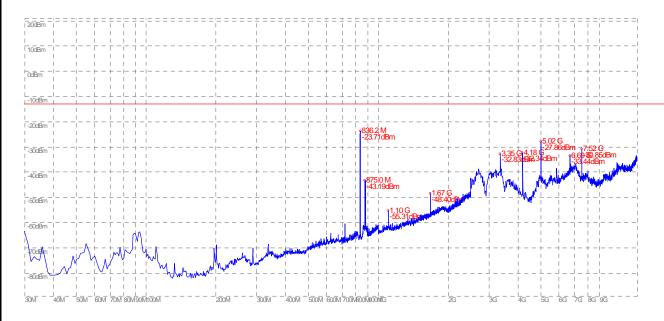


(Plot A.2: GSM 850MHz Channel = 128, Test Antenna Vertical)



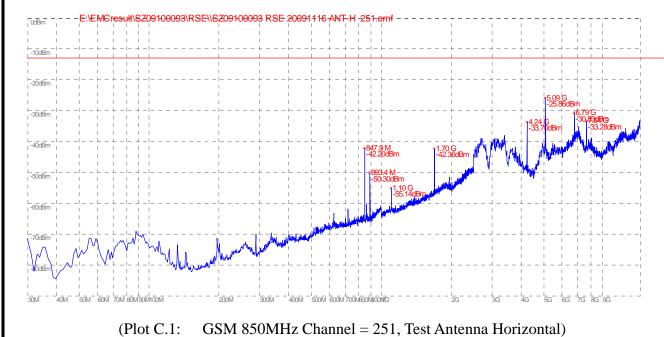


GSM 850MHz Channel = 190, Test Antenna Horizontal) (Plot B.1:



(Plot B.2: GSM 850MHz Channel = 190, Test Antenna Vertical)

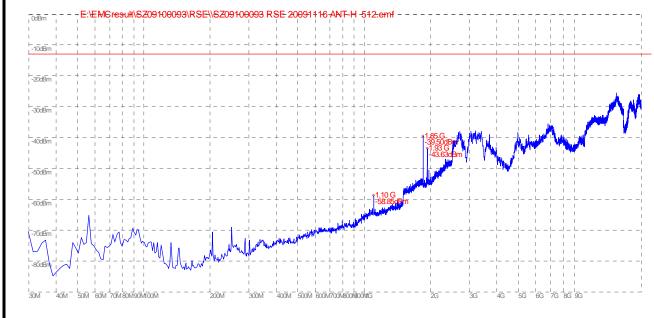




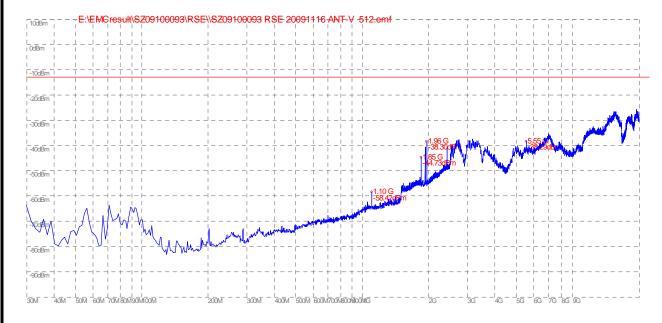


(Plot C.2: GSM 850MHz Channel = 251, Test Antenna Vertical)





(Plot D.1: GSM 1900MHz Channel = 512, Test Antenna Horizontal)

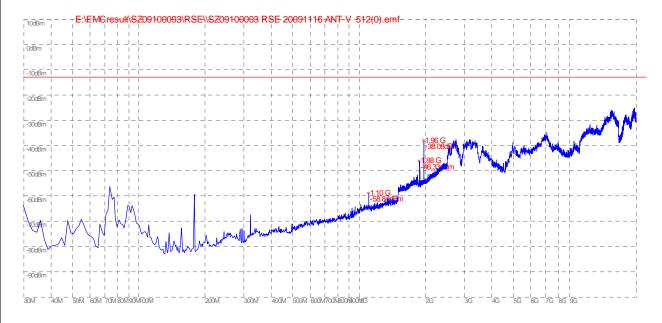


(Plot D.2: GSM 1900MHz Channel = 512, Test Antenna Vertical)



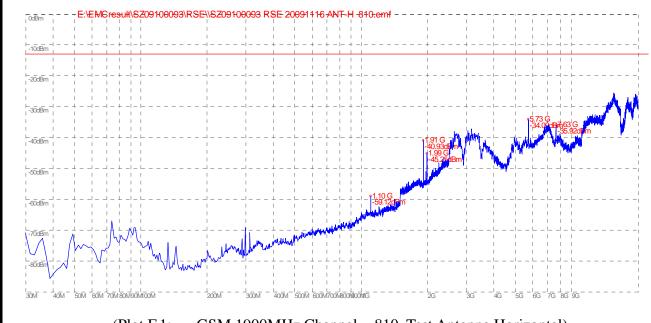


(Plot E.1: GSM 1900MHz Channel = 661, Test Antenna Horizontal)



(Plot E.2: GSM 1900MHz Channel = 661, Test Antenna Vertical)





(Plot F.1: GSM 1900MHz Channel = 810, Test Antenna Horizontal)



(Plot F.2: GSM 1900MHz Channel = 810, Test Antenna Vertical)

** END OF REPORT **