

FCC 47 CFR PART 22H and 24E

Product Type : Smartphone

Applicant : HTC Corporation

Address : No. 23, Xinghua Rd., Taoyuan City, Taoyuan County 330,
Taiwan

Trade Name : HTC

Model Number : PC10100

Test Specification : FCC 47 CFR PART 22H: Oct, 2009
FCC 47 CFR PART 24E: Oct, 2009
ANSI/TIA-603-2007

Issue Date : Jun. 23, 2010

Issue by

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Taiwan Accreditation Foundation accreditation number: 1330

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Revision History

Rev.	Issue Date	Revisions	Revised By
00	Jun. 23, 2010	Initial Issue	

Verification of Compliance

Issued Date: 2010/06/23

Product Type : Smartphone
Applicant : HTC Corporation
Address : No. 23, Xinghua Rd., Taoyuan City, Taoyuan County 330,
Taiwan
Trade Name : HTC
Model Number : PC10100
FCC ID : NM8PC10100
EUT Rated Voltage : DC 5.0V, 1.0A
Test Voltage : 120 Vac / 60 Hz
Applicable : FCC 47 CFR PART 22H: Oct, 2009
Standard : FCC 47 CFR PART 24E: Oct, 2009
ANSI/TIA-603-2007

Test Result : Complied

Performing Lab. : A Test Lab Techno Corp.

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Taoyuan County 334, Taiwan R.O.C.

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1330



<http://www.atl-lab.com.tw/e-index.htm>

The above equipment was tested by A Test Lab Techno Corp. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4: 2003 and the energy emitted by the sample tested as described in this report is in compliance with the requirements of FCC Rules Part 22H, Part 24E.
The test results of this report relate only to the tested sample identified in this report.

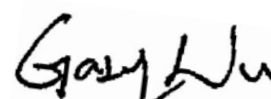
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1 General Information

1.1. EUT Description

Applicant		HTC Corporation			
Applicant Address		No. 23, Xinghua Rd., Taoyuan City, Taoyuan County 330, Taiwan			
Manufacturer		HTC Corporation			
Manufacturer Address		No. 23, Xinghua Rd., Taoyuan City, Taoyuan County 330, Taiwan			
Product Type		Smartphone			
Trade Name		HTC			
Model Number		PC10100			
FCC ID		NM8PC10100			
Mode	GSM/GPRS/ EGPRS	Band	UL Frequency (MHz)	DL Frequency (MHz)	Modulation
		850	824.2 ~ 848.8	869.2 ~ 893.8	GMSK/8PSK
		1900	1850.2 ~ 1909.8	1930.2 ~ 1989.8	GMSK/8PSK
Channel Control		Auto			
Type of Antenna		PIFA Antenna			
Antenna Gain (dBi)		GSM/GPRS/EGPRS 850: -1.18 dBi GSM/GPRS/EGPRS 1900: 2.30 dBi			
Max. RF Output power		GSM/GPRS 850: 34.00 dBm / 2.512 W, EGPRS 850: 27.97 dBm / 0.627 W GSM/GPRS 1900: 30.88 dBm / 1.225 W, EGPRS 1900: 26.58 dBm / 0.455 W			
Max. ERP/EIRP		GSM/GPRS 850: 30.12 dBm / 1.028 W, EGPRS 850: 24.52 dBm / 0.283 W GSM/GPRS 1900: 32.43 dBm / 1.750 W, EGPRS 1900: 28.73 dBm / 0.746 W			
Emission Designator		GSM/GPRS 850: 244KGXW, EGPRS 850: 246KG7W GSM/GPRS 1900: 248KGXW, EGPRS 1900: 245KG7W			

1.2. Mode of Operation

ATL has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Mode 1: GSM 850 Link
Mode 2: GSM 1900 Link
Mode 3: EGPRS 850 Link
Mode 4: EGPRS 1900 Link

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

Tested System Details

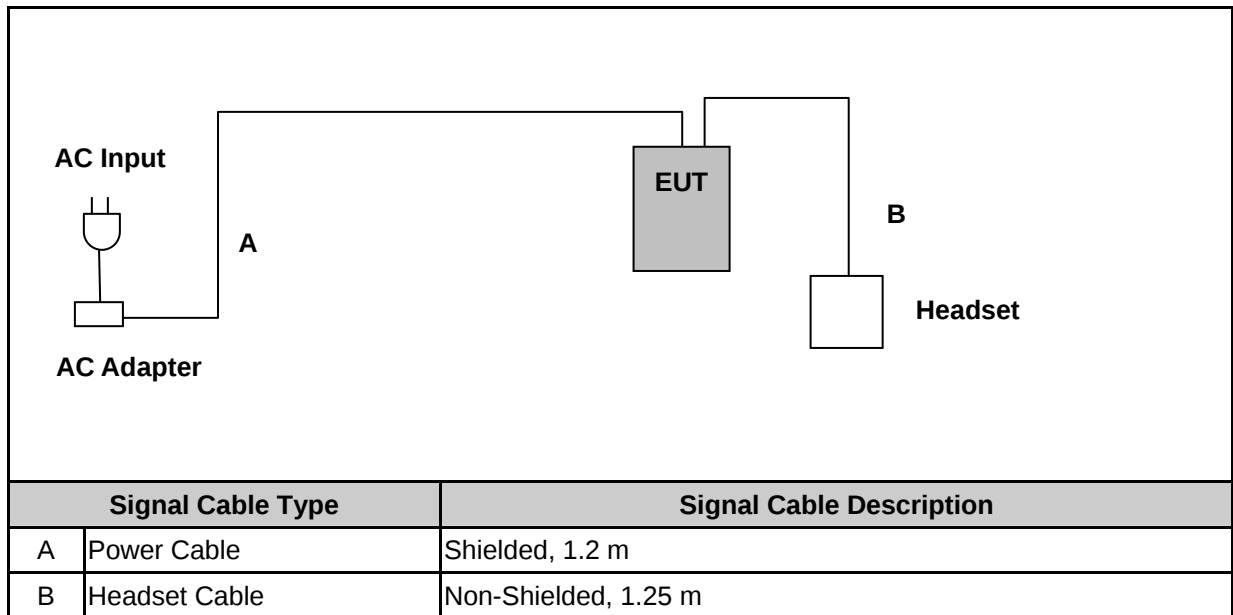
The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

	Product	Manufacturer	Model Number	Serial Number	Power Cord
1.	Universal Radio Communication Tester	R&S	CMU200	109369	N/A

1.3. EUT Exercise Software

1.	Setup the EUT and Base Station (CMU200) as shown on 1.4.
2.	Turn on the power of all equipment.

1.4. Configuration of Test System Details



1.5. Test Site Environment

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	25
Humidity (%RH)	25-75	50
Barometric pressure (mbar)	860-1060	950

1.6. Summary of Test Result

Description	FCC Rule	IC Rule	Limit	Result
Conducted Output Power	§2.1046	N/A	N/A	Pass
Effective Radiated Power	§22.913(a)(2)	RSS-132(4.4) SRSP-503(5.1.3)	< 7 Watts for FCC (<6.3 Watts for IC)	Pass
Equivalent Isotropic Radiated Power	§24.232(c)	RSS-133 (6.4) SRSP-510(5.1.2)	< 2 Watts	Pass
Occupied Bandwidth	§2.1049 §22.917(a) §24.238(a)	N/A	N/A	Pass
Band Edge Measurement	§2.1051 §22.917(a) §24.238(a)	RSS-132 (4.5.1)RSS-133 (6.5.1)	< 43+10log ₁₀ (P[Watts])	Pass
Conducted Emission	§2.1051 §22.917(a) §24.238(a)	RSS-132 (4.5.1) RSS-133 (6.5.1)	< 43+10log ₁₀ (P[Watts])	Pass
Field Strength of Spurious Radiation	§2.1053 §22.917(a) §24.238(a)	RSS-132 (4.5.1) RSS-133 (6.5.1)	< 43+10log ₁₀ (P[Watts])	Pass
Frequency Stability for Temperature & Voltage	§2.1055 §22.355 §24.235	RSS-132(4.3) RSS-133(6.3)	< 2.5 ppm	Pass

2 RF Output Power Test

2.1. Limit

N/A

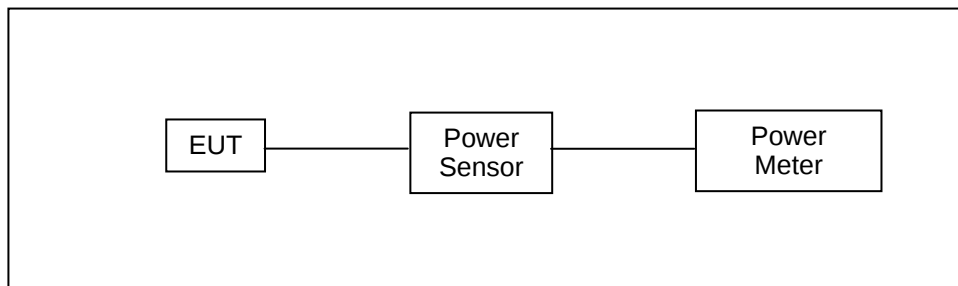
2.2. Test Instruments

Describe	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Universal Radio Communication Tester	ROHDE & SCHWARZ	CMU200	109369	07/29/2009	(2)
Single Channel PK Power Sensor	Agilent	N1911A	MY15101619	07/14/2009	(1)
Wideband Power Meter	Agilent	N1921A	MY45241957	07/25/2009	(1)
Test Site	ATL	TE02	TE02	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

NOTE: N.C.R. = No Calibration Request.

2.3. Test Setup



2.4. Test Procedure

The measurement is made according to ANSI/TIA-603-C-2004 as follows:

1. The transmitter output was connected to power meter and base station through power divider.
2. Set base station for EUT at GSM 850: PCL=5 and PCS 1900: PCL=0.
3. Set base station for EUT at WCDMA Band V and WCDMA Band II, power level was set to maximum.
4. Select lowest, middle, and highest channels for each band.

2.5. Uncertainty

The measurement uncertainty is defined as for RF output power measurement is 1.2 dB.

2.6. Test Result

Product	Smartphone					
Test Item	RF Output Power					
Test Mode	Mode 1: GSM 850 Link					
Date of Test	05/18/2010			Test Site	TE02	
Bands	Data Rate	Frequency (MHz)	Time-Average Power		Peak Power	
			(dBm)	(W)	(dBm)	(W)
GSM 850	-----	824.2	24.61	0.289	33.90	2.455
		836.6	24.72	0.296	34.00	2.512
		848.8	24.54	0.284	33.83	2.415
GRRS 850	4Down1Up	824.2	24.37	0.274	33.62	2.301
		836.6	24.53	0.284	33.78	2.388
		848.8	24.28	0.268	33.53	2.254
	3Down2Up	824.2	26.80	0.479	33.21	2.094
		836.6	26.76	0.474	33.17	2.075
		848.8	26.92	0.492	33.33	2.153
EGPRS 850	4Down1Up	824.2	18.53	0.071	27.90	0.617
		836.6	18.53	0.071	27.90	0.617
		848.8	18.60	0.072	27.97	0.627
	3Down2Up	824.2	21.44	0.139	27.85	0.610
		836.6	21.37	0.137	27.78	0.600
		848.8	21.45	0.140	27.86	0.611

Note: The peak power testing result was used peak detector.

Product	Smartphone					
Test Item	RF Output Power					
Test Mode	Mode 2: GSM 1900 Link					
Date of Test	05/18/2010			Test Site	TE02	
Bands	Data Rate	Frequency (MHz)	Time-Average Power		Peak Power	
			(dBm)	(W)	(dBm)	(W)
GSM 1900	-----	1850.20	21.23	0.133	30.53	1.130
		1880.00	21.37	0.137	30.62	1.153
		1909.80	21.38	0.137	30.88	1.225
GRRS 1900	4Down1Up	1850.20	20.94	0.124	30.22	1.052
		1880.00	21.09	0.129	30.39	1.094
		1909.80	21.64	0.146	30.85	1.216
	3Down2Up	1850.20	23.7	0.234	30.13	1.030
		1880.00	23.9	0.245	30.26	1.062
		1909.80	23.91	0.246	30.28	1.067
EGPRS 1900	4Down1Up	1850.20	17.13	0.052	26.42	0.439
		1880.00	17.19	0.052	26.49	0.446
		1909.80	17.29	0.054	26.58	0.455
	3Down2Up	1850.20	19.94	0.099	26.28	0.425
		1880.00	19.96	0.099	26.29	0.426
		1909.80	20.04	0.101	26.37	0.434

Note: The peak power testing result was used peak detector.

3 Effective Radiated Power / Equivalent Isotropic Radiated Power Test

3.1. Limit

For FCC Part 22.913(a)(2): The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

For FCC Part 24.232(b): The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 2 Watts.

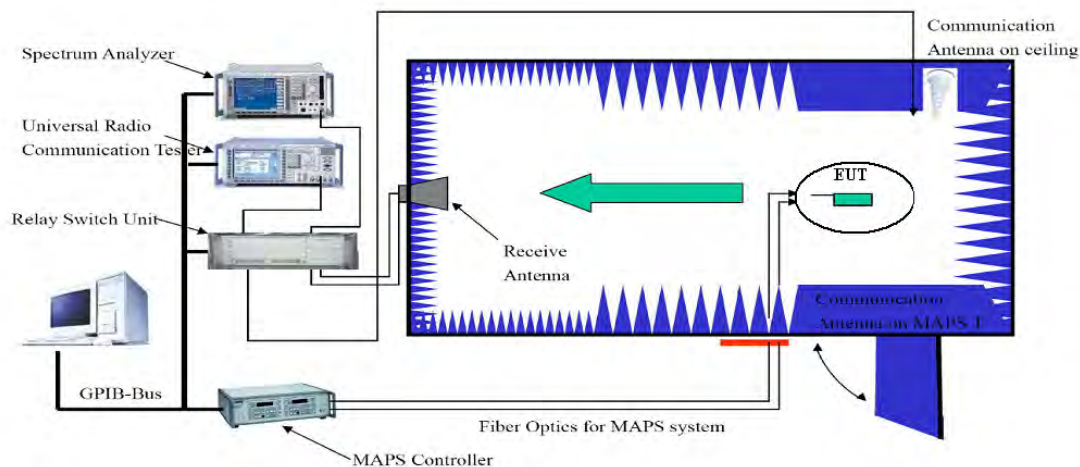
3.2. Test Instruments

Describe	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Universal Radio Communication Tester	ROHDE & SCHWARZ	CMU200	109369	07/29/2009	(2)
Spectrum Analyzer	Agilent	E4445A	MY45300744	12/22/2008	(2)
Loop Dipole	ETS-Lindgren	3127-1880	00064239	02/05/2009	(2)
Loop Dipole	ETS-Lindgren	3127-836	00064352	02/19/2009	(2)
Sleeve Dipole	ETS-Lindgren	3126-1845	00083335	03/18/2009	(2)
Sleeve Dipole	ETS-Lindgren	3126-880	00052705	11/05/2009	(2)
Circularly Polarized Communication Antennas	EMCO	3102	00051714	NCR	-----
Antenna Positioner Controller	EMCO	2090	00052447	NCR	-----
MAPS Positioner	EMCO	2010/2015	NA	NCR	-----
Pattern Measurement Software	ETS-Lindgren	EMQuest™ EMQ-100	NA	NCR	-----
Desktop Computer with Windows XP	DELL	Dell Computers	NA	NCR	-----
Anechoic Chamber	ETS-Lindgren	AMS 8500	102165	NCR	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

NOTE: N.C.R. = No Calibration Request.

3.3. Test Setup



3.4. Test Procedure

The phone was tested in an anechoic chamber with a 3-axis position system that permits taking complete spherical scans of the EUT's 3-axis radiation patterns. For all tests, the phone was supported in a free space type environment, vertically oriented in the chamber. Tests were done for GSM 850 three frequencies (824.2, 836.6 and 848.8 MHz) and GSM 1900 three frequencies (1850.2, 1880.00, and 1909.80 MHz).

GSM measurements were made with the phone placed in a call using the CMU200 mobile station test set. The phone was weakly coupled to the test set and configured to transmit in full data rate mode.

The radiated power was measured using ETS-LINDGREN OTA Chamber in "Peak" mode. From these measurements, the software calculates the angle at which maximum radiated power occurs for each case, and the radiated power at this angle was extracted from the data.

Each individual data point in a radiated power or sensitivity measurement is referred to as the effective isotropic radiated power or effective isotropic sensitivity. That is, the desired information is how the measured quantity relates to the same quantity from an isotropic radiator. Thus, the reference measurement must relate the power received or transmitted at the EUT test equipment (spectrum analyzer or communication tester) back to the power transmitted or received at a theoretical isotropic radiator. The total path loss then, is just the difference in dB between the power transmitted or received at the isotropic radiator and that seen at the test equipment (see follow Figure 1).

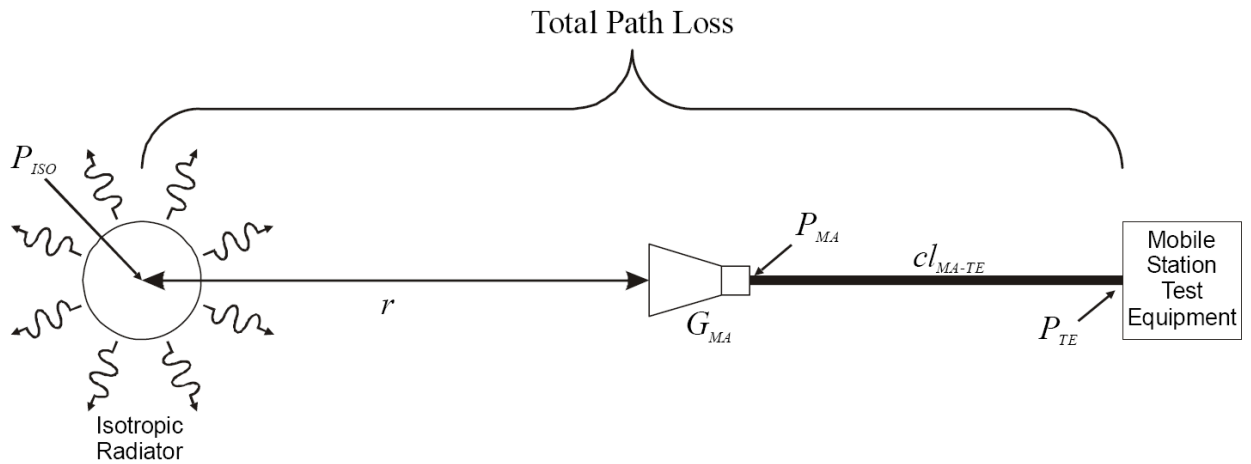


Figure 1. THEORETICAL CASE FOR DETERMINING PATH LOSS

In equation form, this becomes:

Equation 1

$$PL = P_{ISO} - P_{TE}$$

where PL is the total path loss, P_{ISO} is the power radiated by the theoretical isotropic radiator, and P_{TE} is the power received at the test equipment port. As can be seen in Figure 1, this quantity includes the range path loss due to the range length r , the gain of the measurement antenna, and any loss terms associated with the cabling, connections, amplifiers, splitters, etc. between the measurement antenna and the test equipment port.

Figure 2 shows a typical real world configuration for measuring the path loss. In this case, a reference antenna with known gain is used in place of the theoretical isotropic source. The path loss may then be determined from the power into the reference antenna by adding the gain of the reference antenna.

That is:

Equation 2

$$P_{ISO} = P_{RA} + G_{RA}$$

where P_{RA} is the power radiated by reference antenna, and G_{RA} is the gain of the reference antenna, so that:

Equation 3

$$PL = P_{RA} + G_{RA} - P_{TE}$$

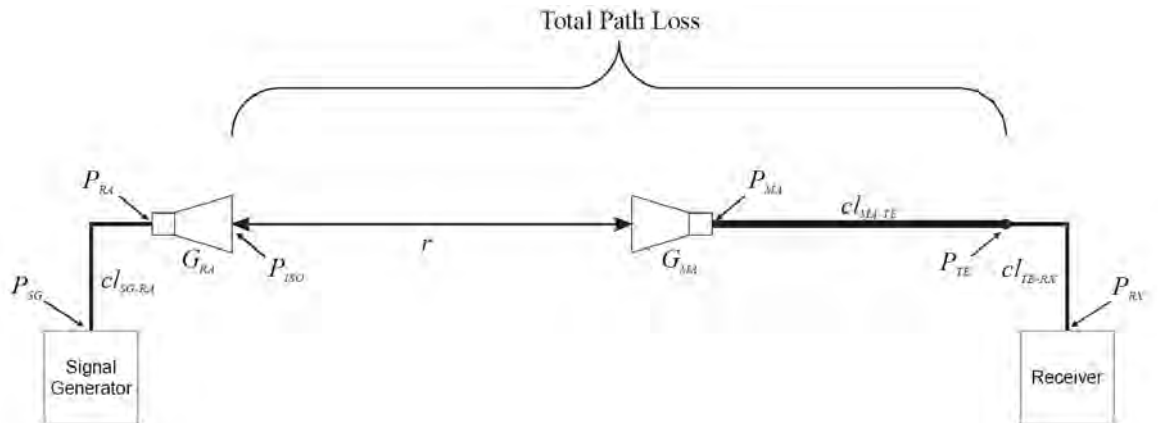


Figure 2. TYPICAL CONFIGURATION FOR MEASURING PATH LOSS

In order to determine P_{RA} , it is necessary to perform a cable reference measurement to remove the effects of the cable loss between signal generator and reference antenna, and between the test equipment port and the receiver. This establishes a reference point at the input to the reference antenna. Figure 3 illustrates the cable reference measurement configuration. Assuming the power level at the signal generator is fixed, it is easy to show that the difference between P_{RA} and P_{TE} in Figure 2 is given by:

Equation 4

$$P_{RA} - P_{TE} = P_{RX'} - P_{RX}$$

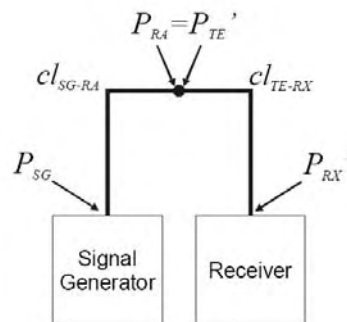


Figure 3. CABLE REFERENCE CALIBRATION CONFIGURATION

Where $P_{RX'}$ is the power measured at the receiver during the cable reference test, and P_{RX} is the power measured at the receiver during the range path loss measurement in Figure 2. Thus, the path loss is then just given by:

Equation 5

$$PL = G_{RA} + P_{RX'} - P_{RX}$$

$$EIRP = P_t + P_L$$

P_t = Often referred to as antenna output power

3.5. Uncertainty

The measurement uncertainty is defined as for Radiated Power measurement list below:

Band	Uncertainty
Cell	1.08 dB
PCS	1.42 dB
GPRS	1.44 dB

3.6. Test Result

Product	Smartphone					
Test Item	ERP/EIRP					
Test Mode	Mode 1: GSM 850 Link					
Date of Test	05/28/2010			Test Site	TC03	
Bands	Frequency (MHz)	Read Level (dBm)	Correction factor (dBm)	ERP		Limit
				(dBm)	(W)	
GSM 850	824.2	78.86	-49.50	29.36	0.863	< 7W
	836.6	79.79	-49.70	30.09	1.021	< 7W
	848.8	79.82	-49.70	30.12	1.028	< 7W
EGPRS 850	824.2	72.44	-49.50	22.94	0.197	< 7W
	836.6	74.22	-49.70	24.52	0.283	< 7W
	848.8	73.89	-49.70	24.19	0.262	< 7W

Product	Smartphone					
Test Item	ERP/EIRP					
Test Mode	Mode 2: GSM 1900 Link					
Date of Test	05/28/2010			Test Site	TC03	
Bands	Frequency (MHz)	Read Level (dBm)	Correction factor (dBm)	EIRP		Limit
				(dBm)	(W)	
GSM 1900	1850.20	87.75	-55.40	32.35	1.718	< 2W
	1880.00	88.03	-55.60	32.43	1.750	< 2W
	1909.80	87.94	-55.70	32.24	1.675	< 2W
EGPRS 1900	1850.20	84.13	-55.40	28.73	0.746	< 2W
	1880.00	83.91	-55.60	28.31	0.678	< 2W
	1909.80	83.55	-55.70	27.85	0.610	< 2W

Note: 1. ERP/EIRP = Read Level + Correction factor.

2. For WCDMA signals, a peak detector is used with RBW = VBW = 5MHz.

3. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW= 1 MHz.

4 Occupied Bandwidth Test

4.1. Limit

The Occupied Bandwidth Limit:

N/A.

The Band Edge Limit:

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.

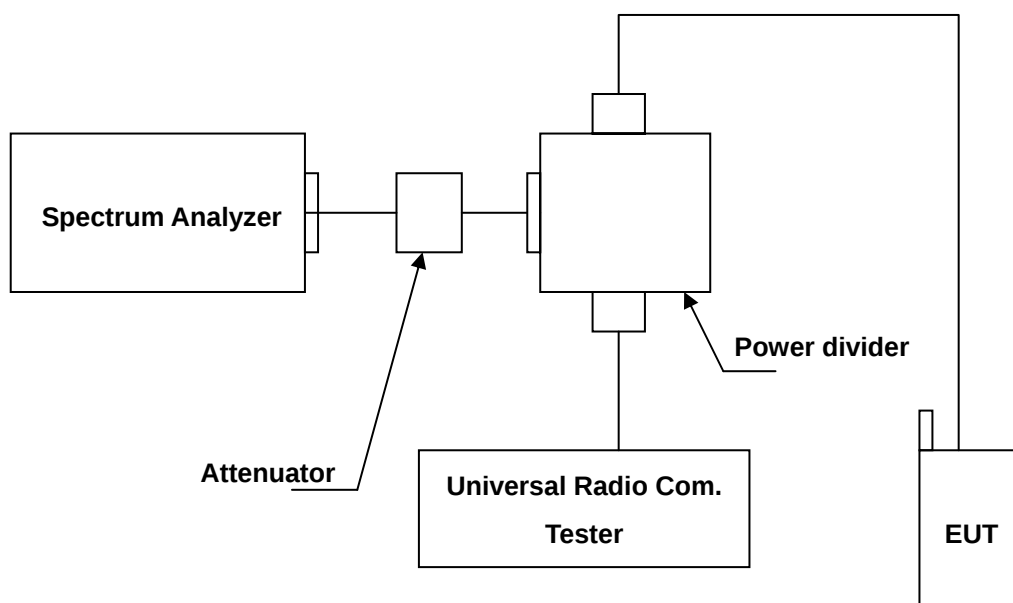
4.2. Test Instruments

Describe	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/14/2009	(2)
Universal Radio Communication Tester	ROHDE & SCHWARZ	CMU200	109369	07/29/2009	(2)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE02	TE02	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

NOTE: N.C.R. = No Calibration Request.

4.3. Setup



4.4. Test Procedure

The measurement is made according to FCC rules part 22 and 24:

1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. The occupied bandwidth of middle channel for the highest and lowest RF powers was measured.
3. The band edge of low and high channels for the highest RF powers within the transmitting frequency band were measured. Setting RBW as roughly BW/100.
4. The band edge setting:
 - a. RB=3 kHz; VB=3 kHz for GSM 850 and PCS 1900.
 - b. RB=100 kHz; VB=100 kHz for WCDMA Band V and WCDMA Band II.

4.5. Uncertainty

The measurement uncertainty is defined as $\pm 10\text{Hz}$

4.6. Test Result

99% Occupied Bandwidth

Product	Smartphone		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: GSM 850 Link		
Date of Test	05/26/2010	Test Site	TE02
Channel No.	Frequency (MHz)	99% Bandwidth (kHz)	Note
128	824.2	241.5884	RBW:3KHz , VBW:10KHz
190	836.6	244.4669	RBW:3KHz , VBW:10KHz
251	848.8	243.4844	RBW:3KHz , VBW:10KHz

Figure Channel 128

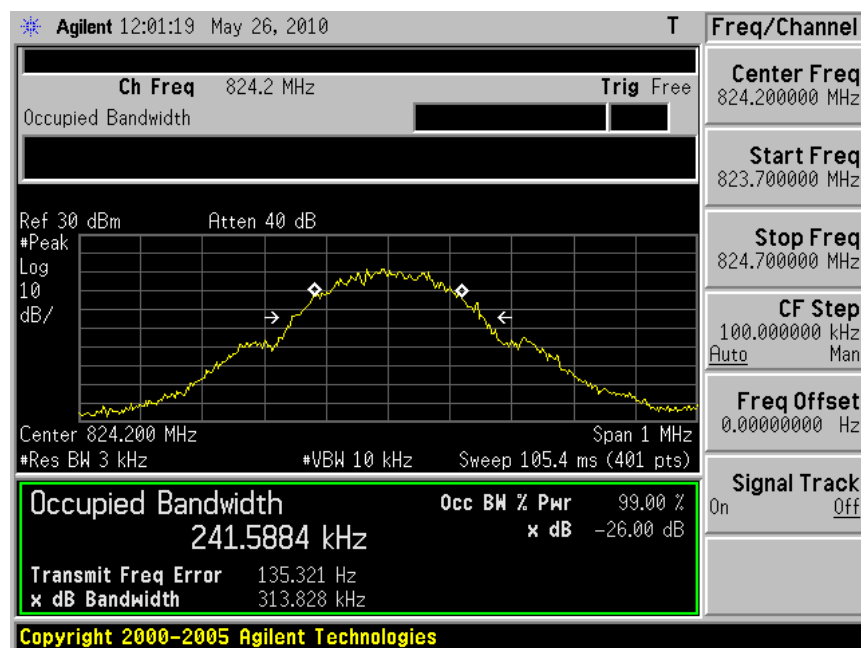


Figure Channel 190

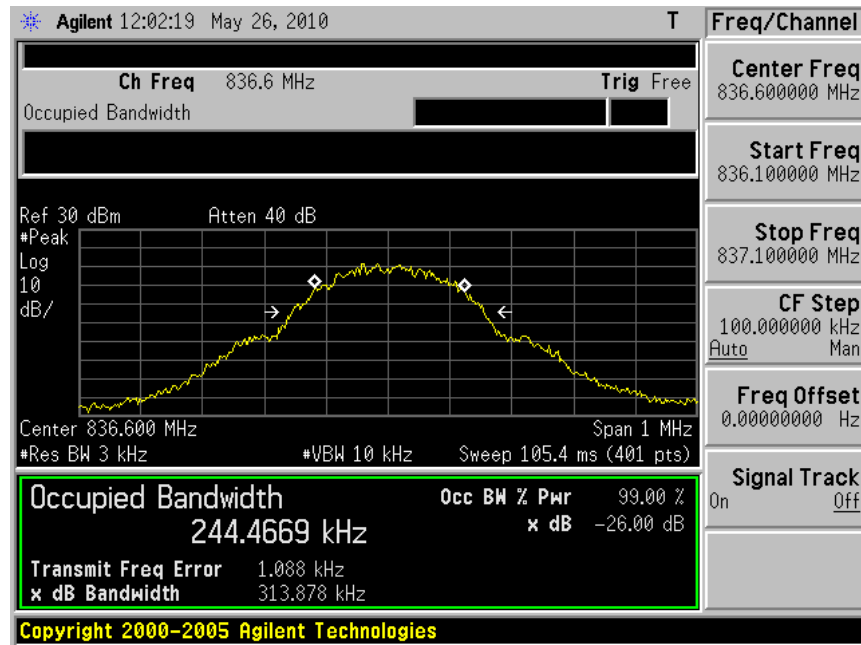
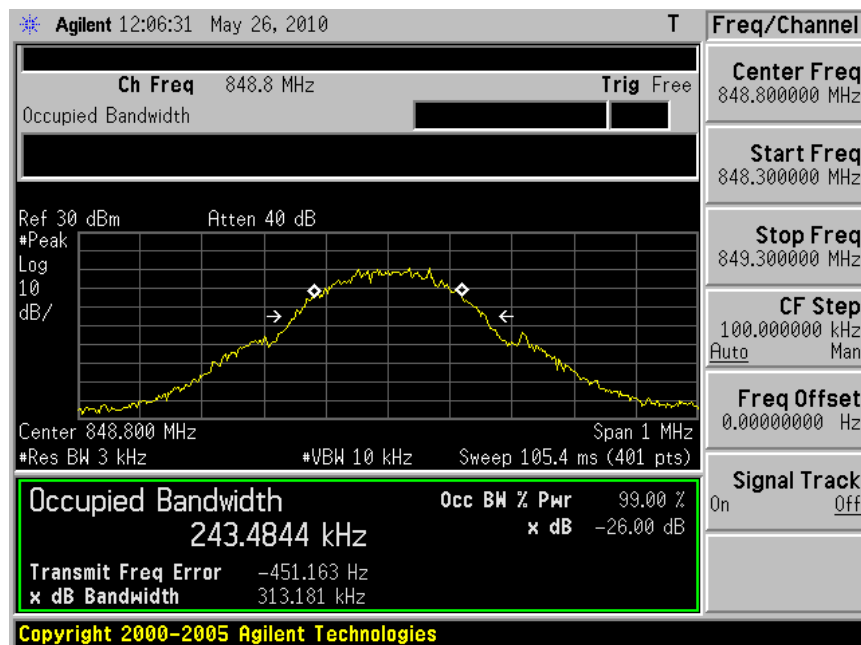


Figure Channel 251



Product	Smartphone		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: GSM 1900 Link		
Date of Test	05/26/2010	Test Site	TE02
Channel No.	Frequency (MHz)	99% Bandwidth (kHz)	Note
512	1850.20	244.1796	RBW:3KHz , VBW:10KHz
661	1880.00	246.8472	RBW:3KHz , VBW:10KHz
810	1909.80	248.6626	RBW:3KHz , VBW:10KHz

Figure Channel 512

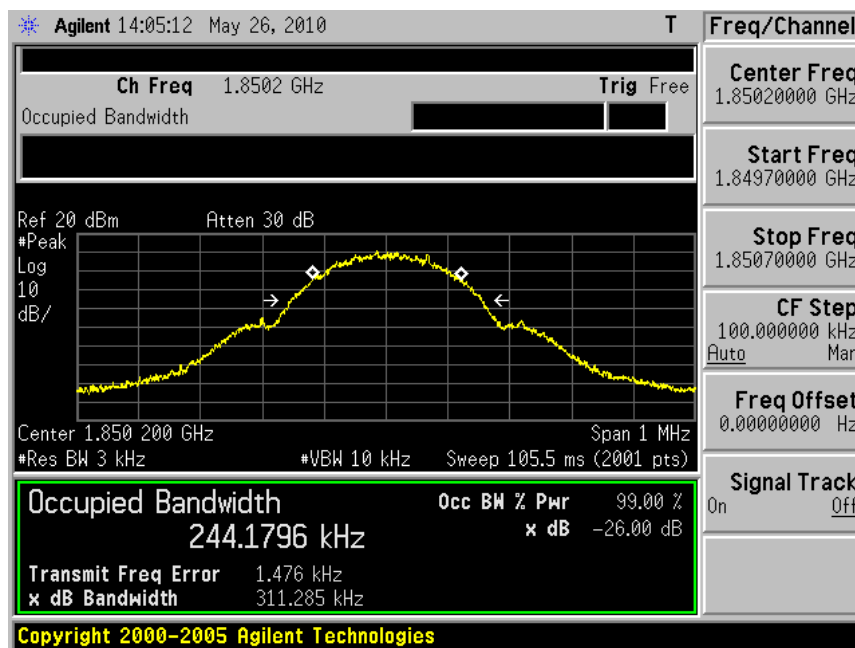


Figure Channel 661

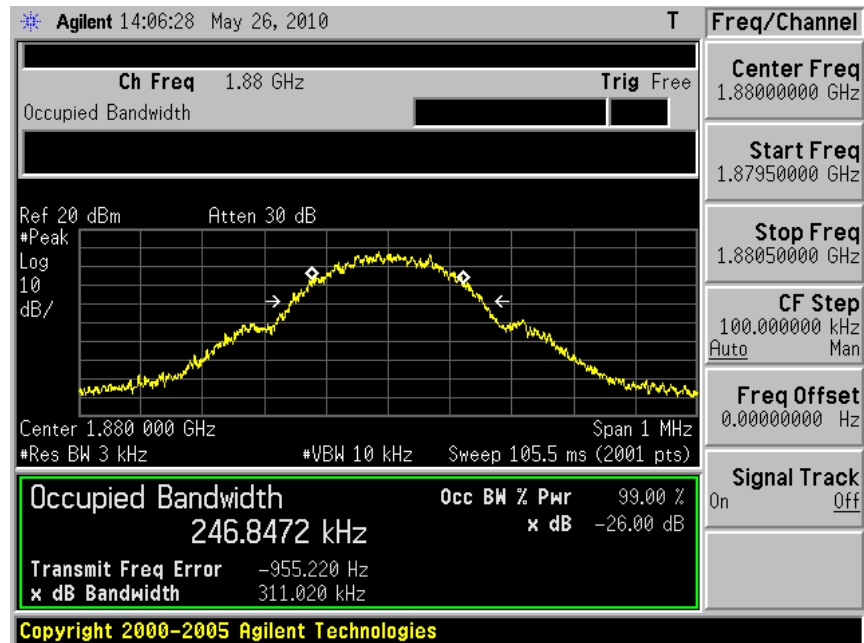
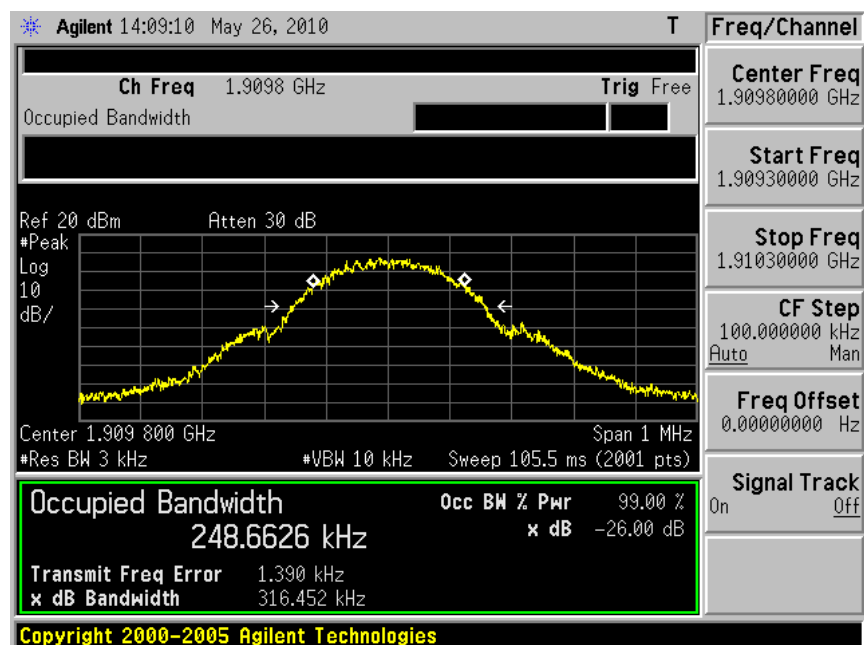


Figure Channel 810



Product	Smartphone		
Test Item	Occupied Bandwidth		
Test Mode	Mode 3: EGPRS 850 Link		
Date of Test	05/26/2010	Test Site	TE02
Channel No.	Frequency (MHz)	99% Bandwidth (kHz)	Note
128	824.2	243.6254	RBW:3KHz , VBW:10KHz
190	836.6	240.9818	RBW:3KHz , VBW:10KHz
251	848.8	246.1385	RBW:3KHz , VBW:10KHz

Figure Channel 128

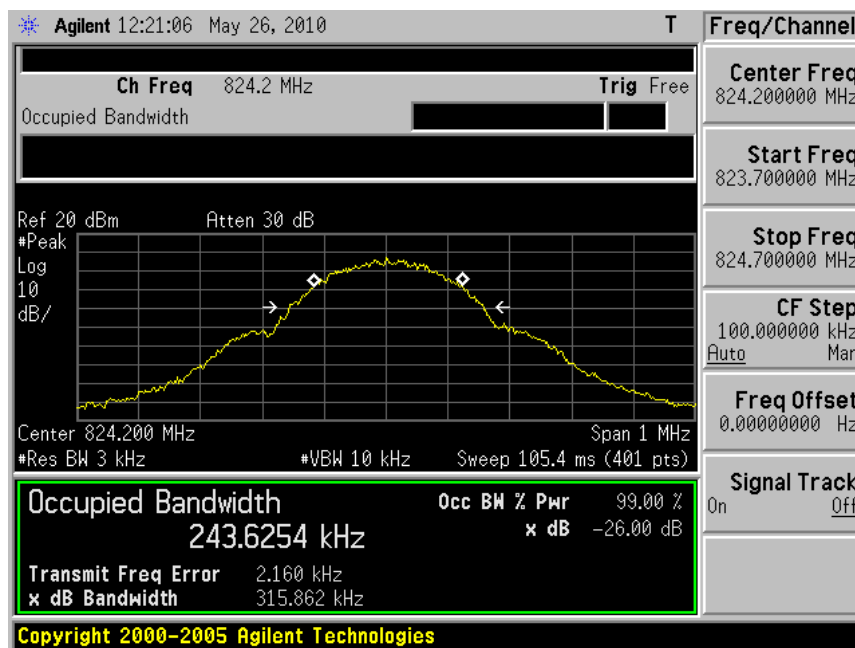


Figure Channel 190

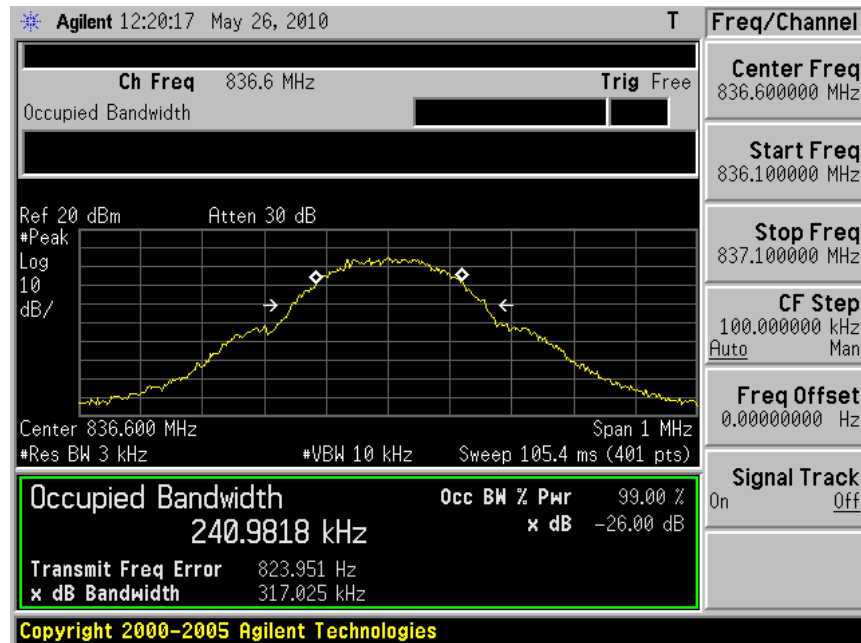
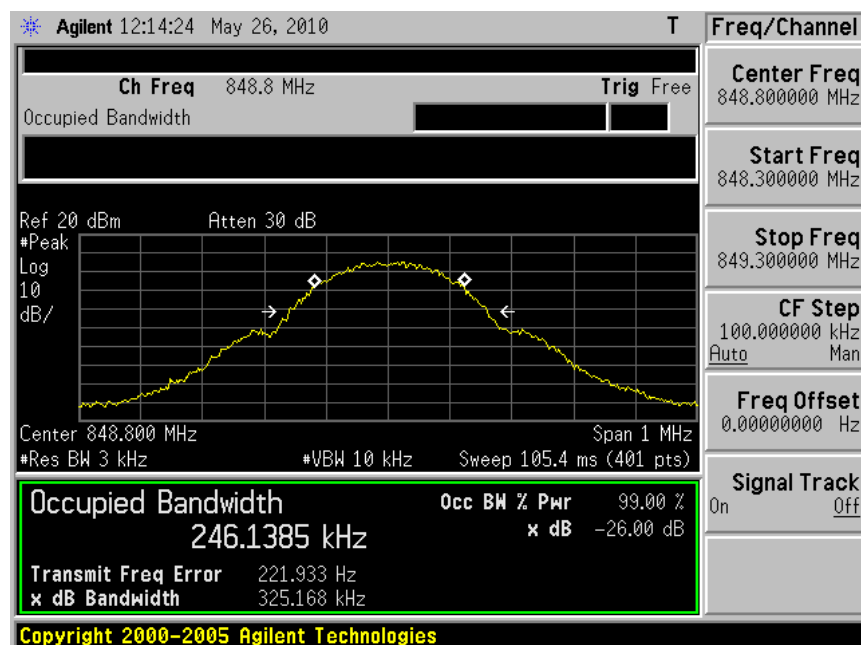


Figure Channel 251



Product	Smartphone		
Test Item	Occupied Bandwidth		
Test Mode	Mode 4: EGPRS 1900 Link		
Date of Test	05/26/2010	Test Site	TE02
Channel No.	Frequency (MHz)	99% Bandwidth (kHz)	Note
512	1850.20	242.5493	RBW:3KHz , VBW:10KHz
661	1880.00	241.6474	RBW:3KHz , VBW:10KHz
810	1909.80	245.6917	RBW:3KHz , VBW:10KHz

Figure Channel 512

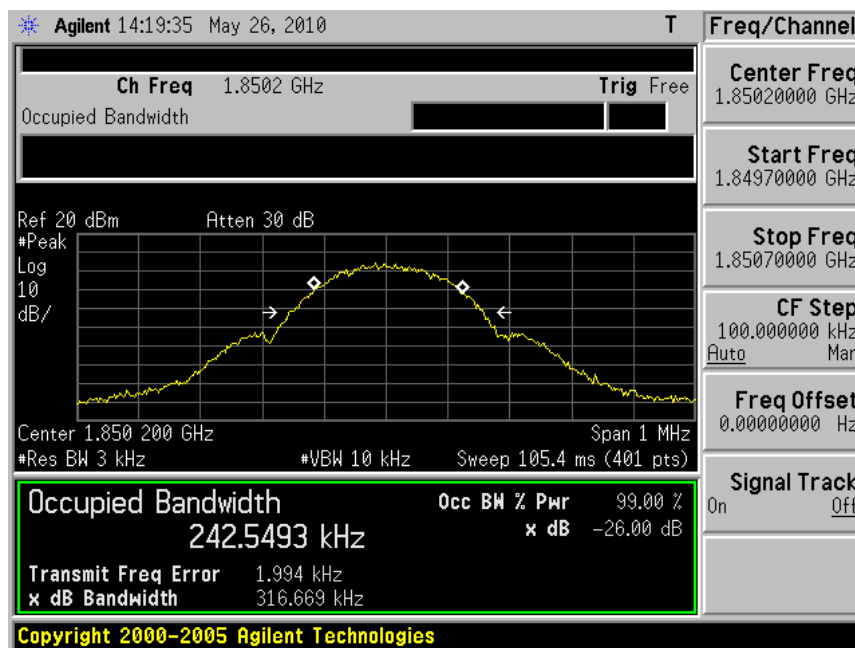


Figure Channel 661

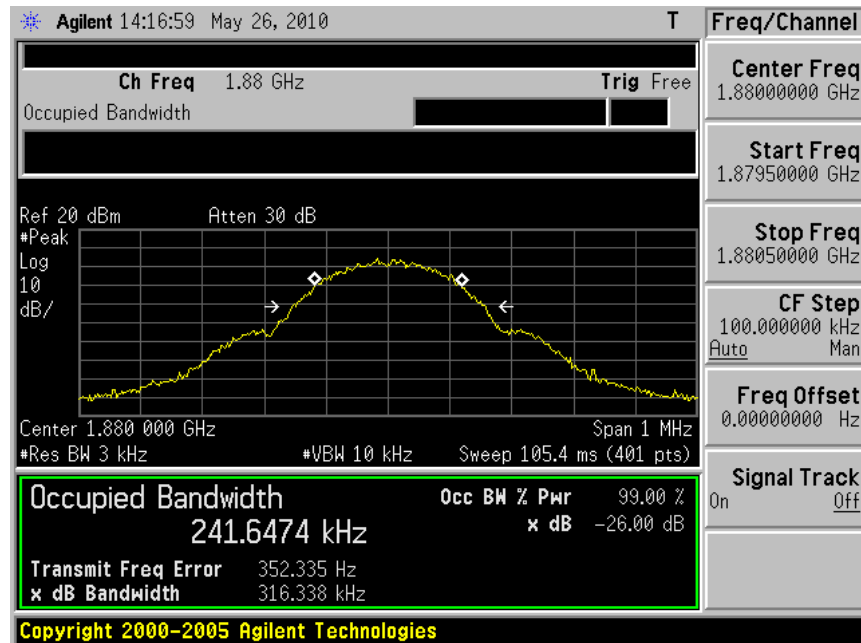
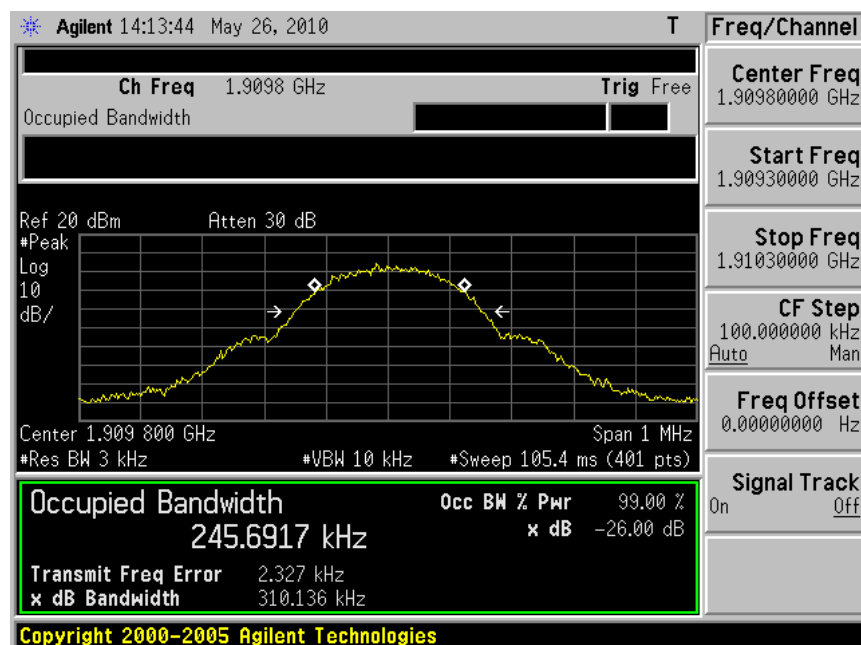


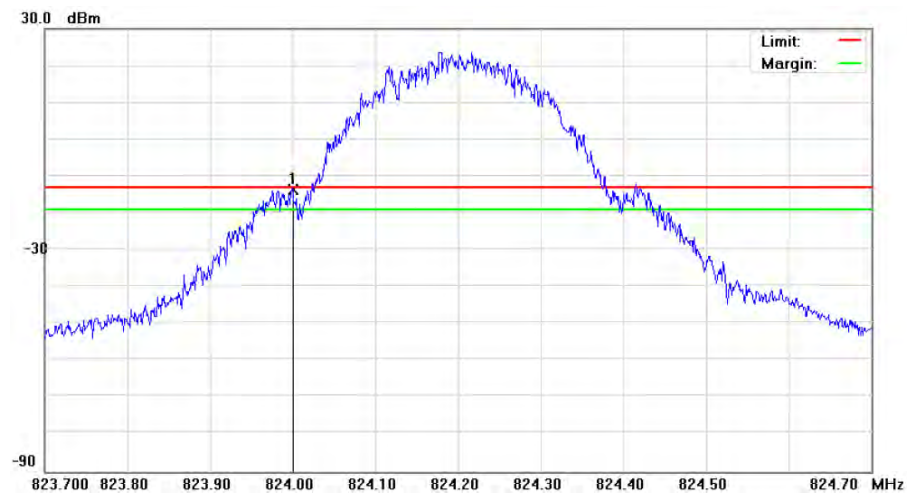
Figure Channel 810



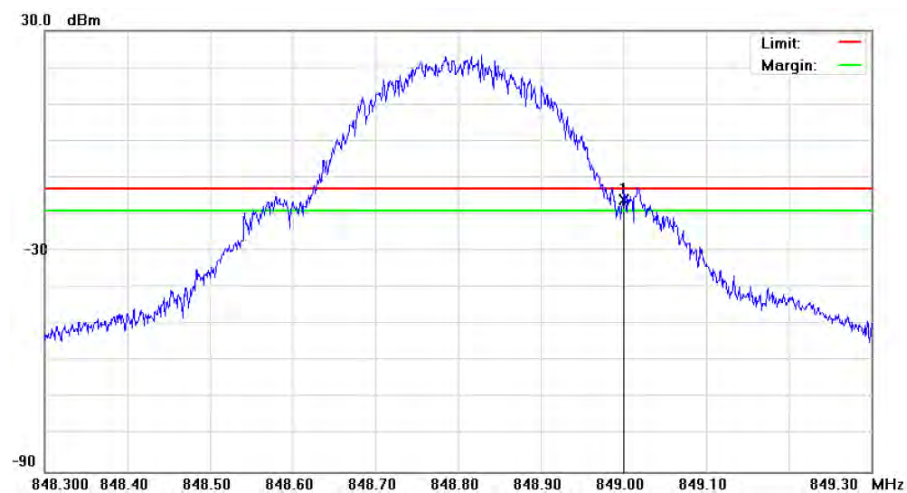
Band Edge

Product	Smartphone				
Test Item	Band Edge				
Test Mode	Mode 1: GSM 850 Link				
Date of Test	05/29/2010		Test Site	TE02	
Band	Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)	Result
Lower	128	824.0000	-13.71	-13	Pass
Higher	251	849.0000	-16.04	-13	Pass

Lower Band

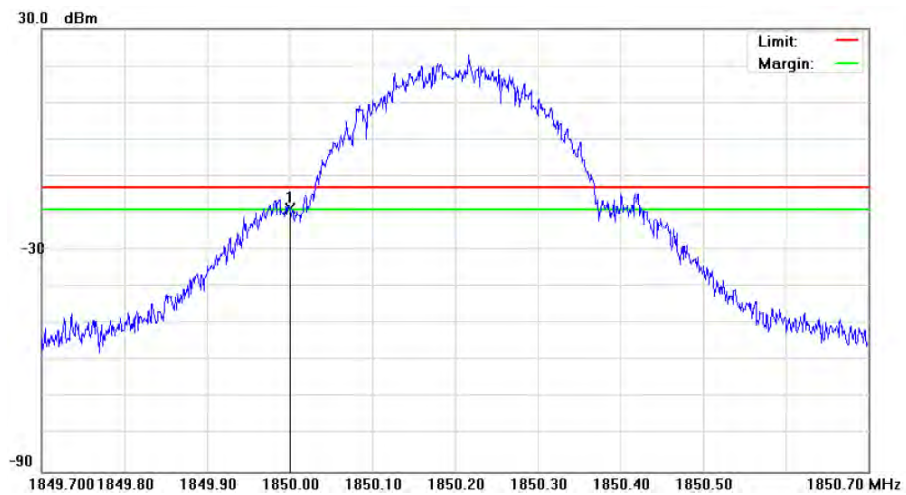


Higher Band

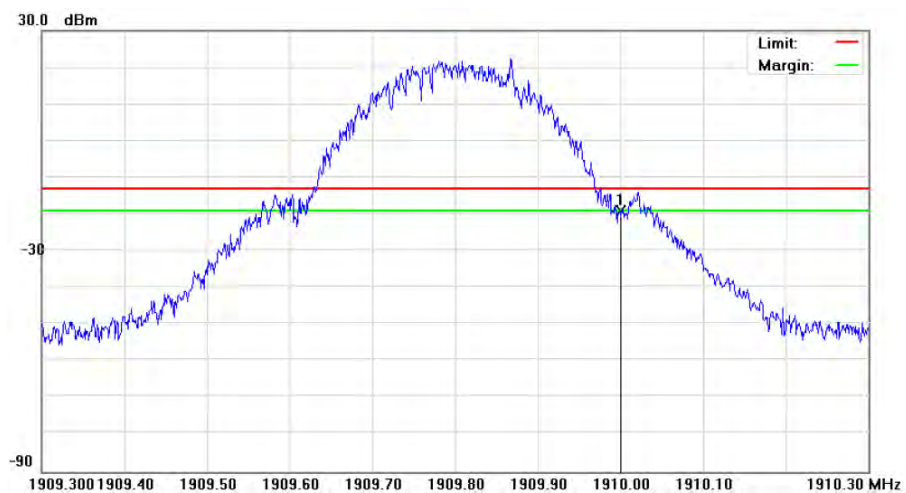


Product	Smartphone				
Test Item	Band Edge				
Test Mode	Mode 2: GSM 1900 Link				
Date of Test	05/29/2010		Test Site	TE02	
Band	Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)	Result
Lower	512	1850.000	-18.75	-13	Pass
Higher	810	1910.000	-19.19	-13	Pass

Lower Band



Higher Band



5 Conducted Emission Test

5.1. Limit

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.

5.2. Test Instruments

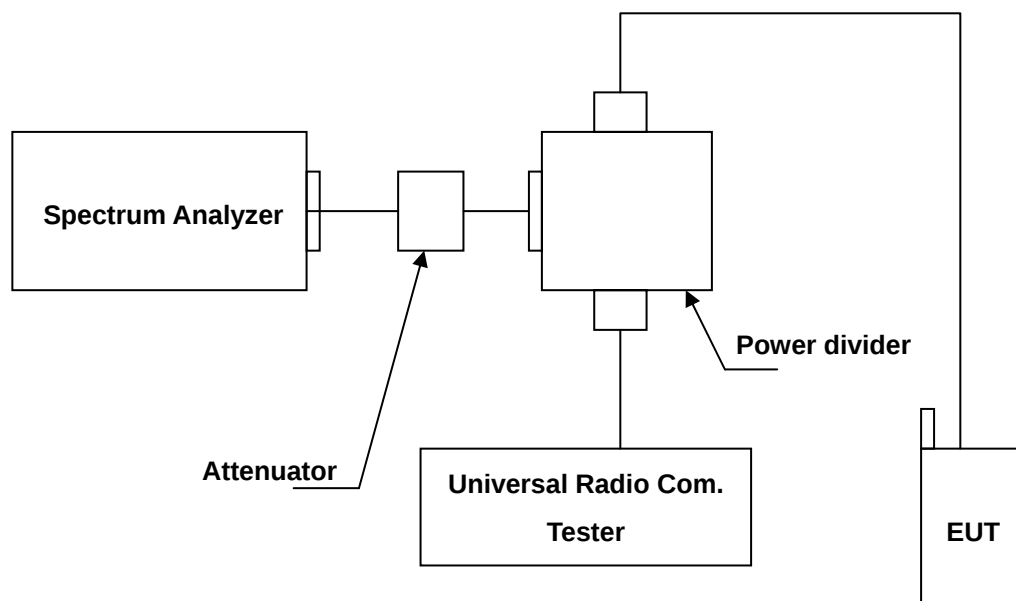
Describe	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/14/2009	(2)
Universal Radio Communication Tester	ROHDE & SCHWARZ	CMU200	109369	07/29/2009	(2)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE02	TE02	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

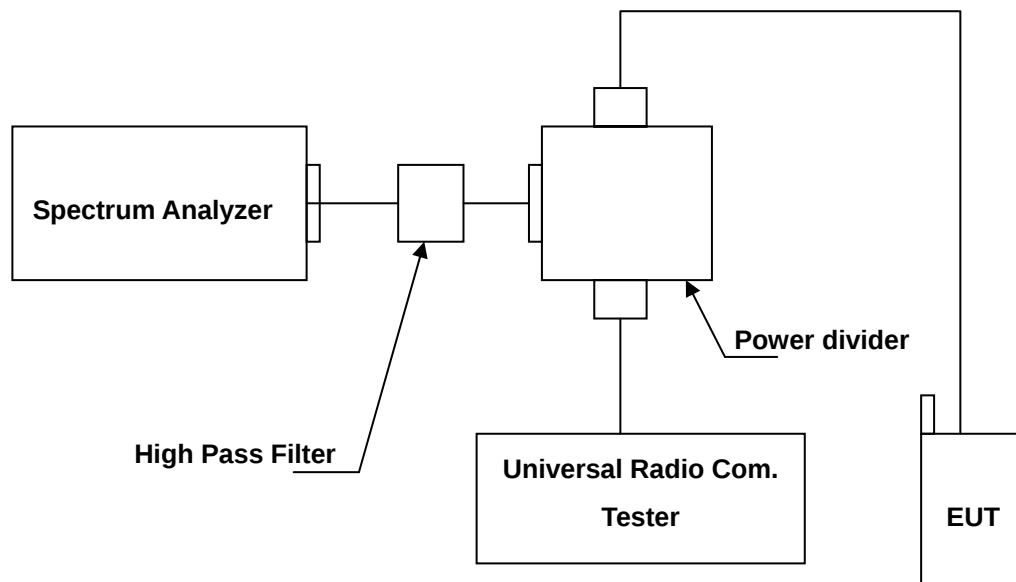
NOTE: N.C.R. = No Calibration Request.

5.3. Setup

Below 2.8GHz



Above 2.8GHz



5.4. Test Procedure

1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. The middle channel for the highest RF power within the transmitting frequency was measured.
3. The conducted spurious emission for the whole frequency range was taken.
4. Test setting at GSM 850 RB>100 kHz, VB>100 kHz; PCS 1900 RB>1MHz, VB>1MHz.

5.5. Uncertainty

The measurement uncertainty is evaluated as ± 2.24 dB.

5.6. Test Result

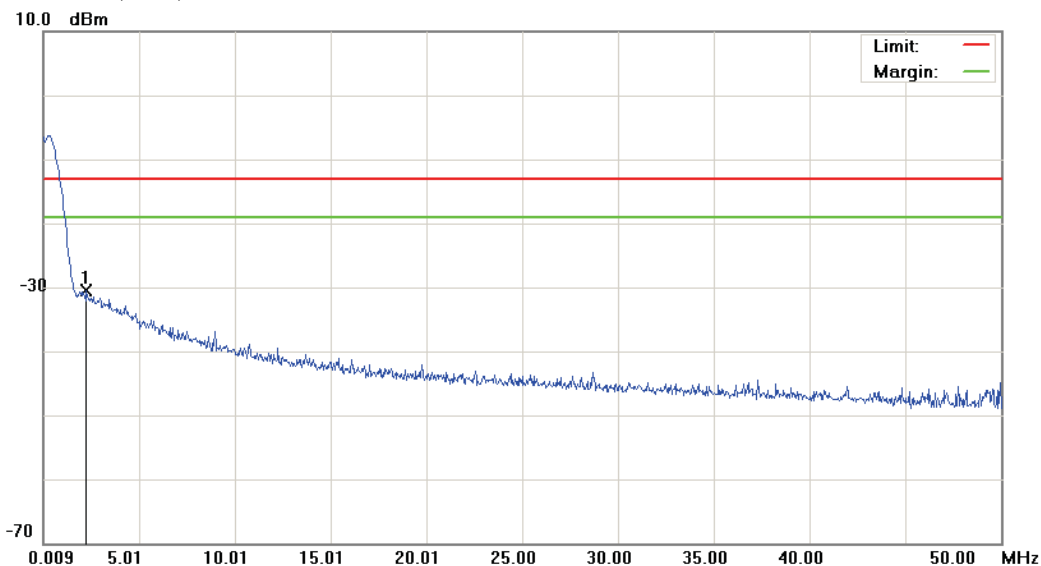
Product	Smartphone		
Test Item	Conducted Emission		
Mode	Mode 1: GSM 850 Link Mode 2: GSM 1900 Link		
Date of Test	05/29/2010	Test Site	TE02

File:PC10100(CH128)

Data :#1

Date:2010/5/29

Time: PM 01:35:33



Site: : RF Conducted

Limit: FCC Part 22 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 1

Note: CH128(824.2MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	2.2585	-61.63	31.14	-30.49	-13.00	-17.49	peak		Comment

*:Maximum data x:Over limit !:over margin

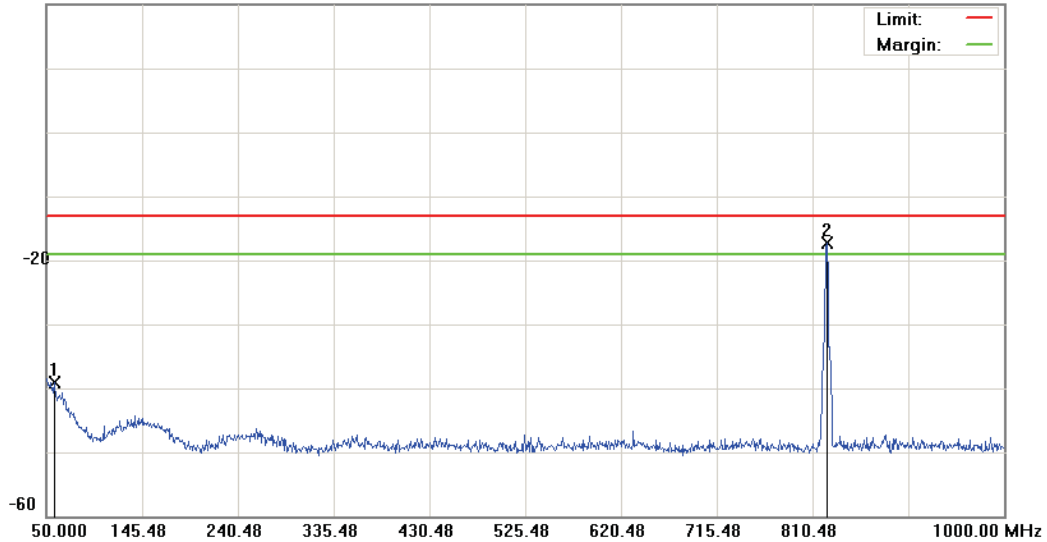
File:PC10100(CH128)

Data :#2

Date:2010/5/29

Time: PM 01:35:58

20.0 dBm



Site: : RF Conducted

Limit: FCC Part 22 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 1

Note: CH128(824.2MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree degree	Comment
1		57.6000	-52.36	13.33	-39.03	-13.00	-26.03	peak		
2	*	824.2500	-21.06	3.84	-17.22	-13.00	-4.22	peak		Tx

*:Maximum data x:Over limit !:over margin

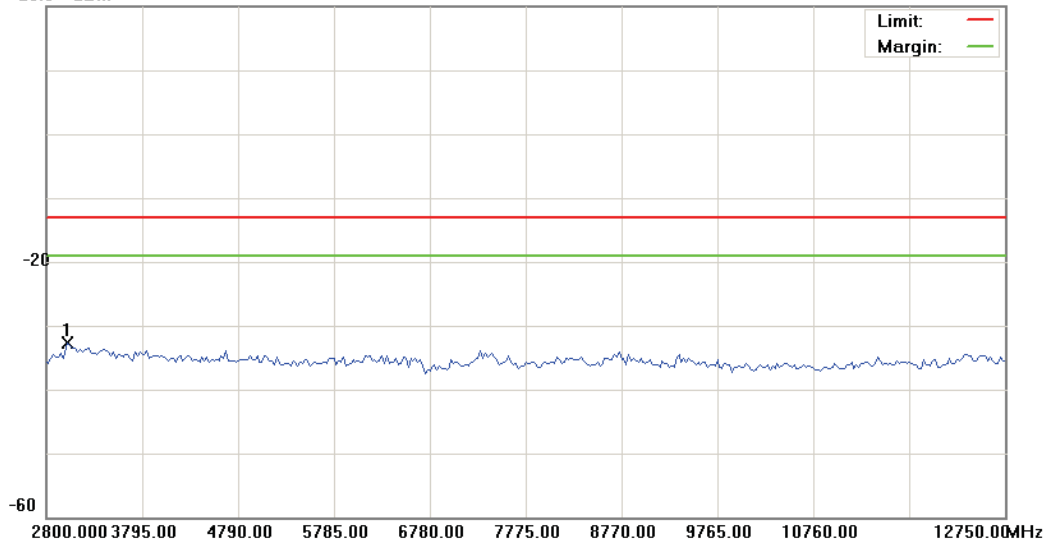
File:PC10100(CH128)

Data :#3

Date:2010/5/29

Time: PM 05:35:58

20.0 dBm



Site : RF Conducted

Phase: *Conducted po*

Temperature: 26 °C

Limit: FCC Part 24 conducted(9k-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: Smartphone

M/N: PC10100

Mode: 1

Note: CH128(824.2MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3023.875	-38.19	5.48	-32.71	-13.00	-19.71	peak	

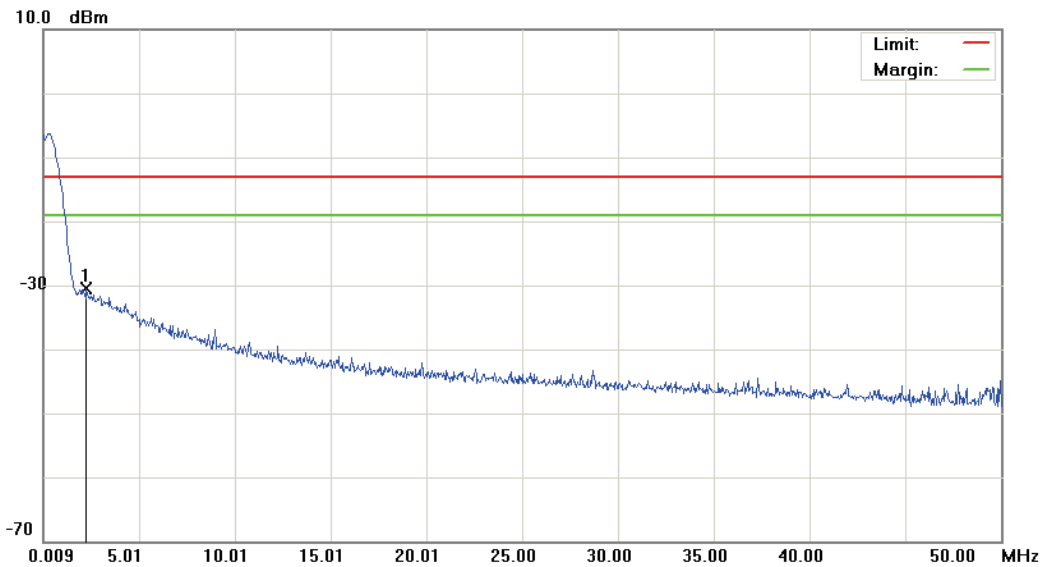
*:Maximum data x:Over limit !:over margin

File:PC10100(CH128)

Data :#1

Date:2010/5/29

Time: PM 01:35:33



Site: : RF Conducted

Limit: FCC Part 22 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 1

Note: CH128(824.2MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	2.2585	-61.63	31.14	-30.49	-13.00	-17.49	peak		Comment

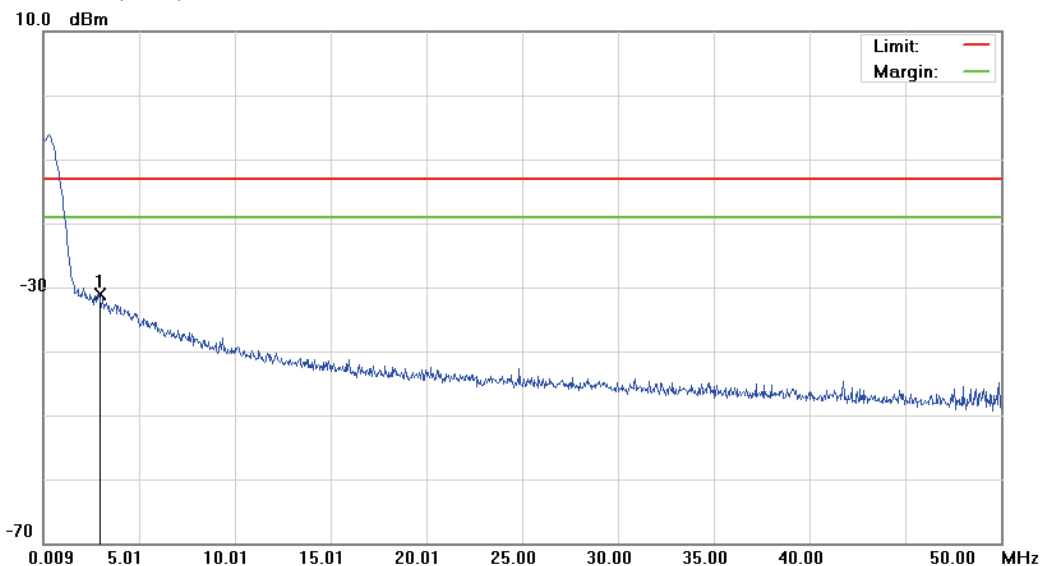
*:Maximum data x:Over limit !:over margin

File:PC10100(CH190)

Data :#1

Date:2010/5/29

Time: PM 01:42:26



Site: : RF Conducted

Limit: FCC Part 22 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 1

Note: CH190(836.6MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	2.9334	-61.71	30.67	-31.04	-13.00	-18.04	peak		Comment

*:Maximum data x:Over limit !:over margin

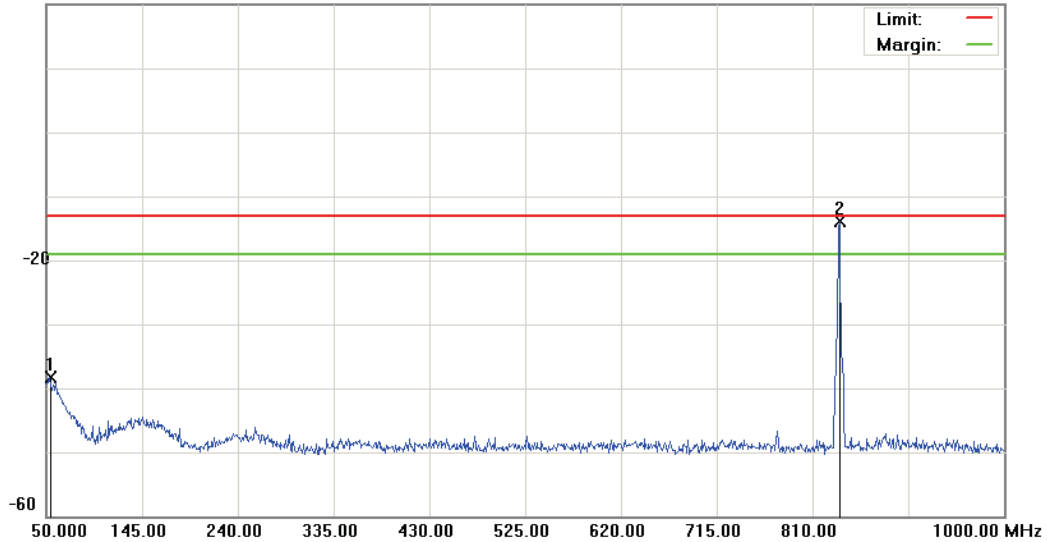
File:PC10100(CH190)

Data :#2

Date:2010/5/29

Time: PM 01:42:50

20.0 dBm



Site: : RF Conducted

Limit: FCC Part 22 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 1

Note: CH190(836.6MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree degree	Comment
1		53.3250	-52.32	14.10	-38.22	-13.00	-25.22	peak		
2	*	836.6000	-17.93	3.96	-13.97	-13.00	-0.97	peak		Tx

*:Maximum data x:Over limit !:over margin

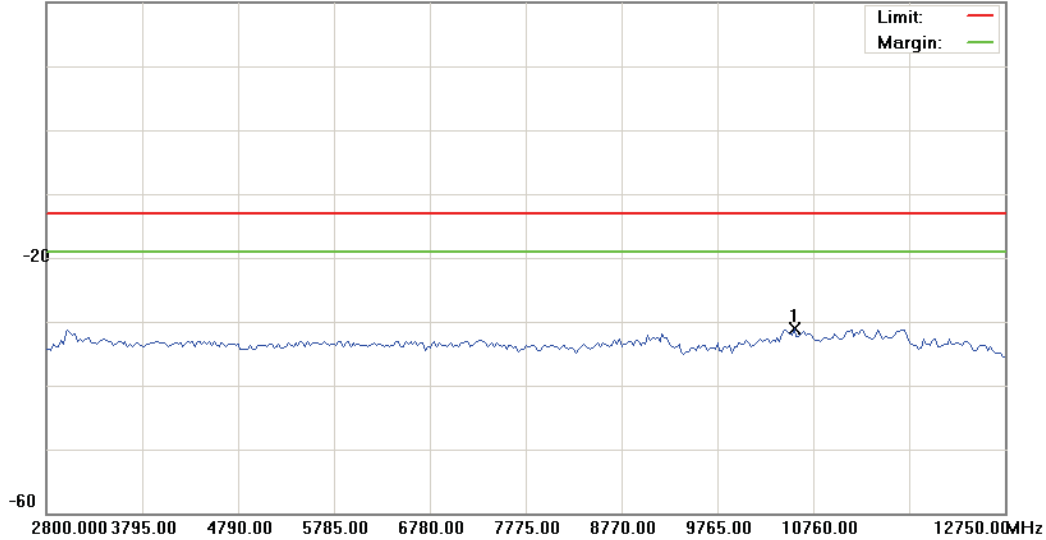
File:PC10100(CH190)

Data :#3

Date:2010/5/29

Time: PM 01:45:10

20.0 dBm



Site : RF Conducted

Phase: *Conducted po*

Temperature: 26 °C

Limit: FCC Part 24 conducted(9k-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: Smartphone

M/N: PC10100

Mode: 1

Note: CH190(836.6MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	10561.00	-36.11	5.10	-31.01	-13.00	-18.01	peak	

*:Maximum data x:Over limit !:over margin

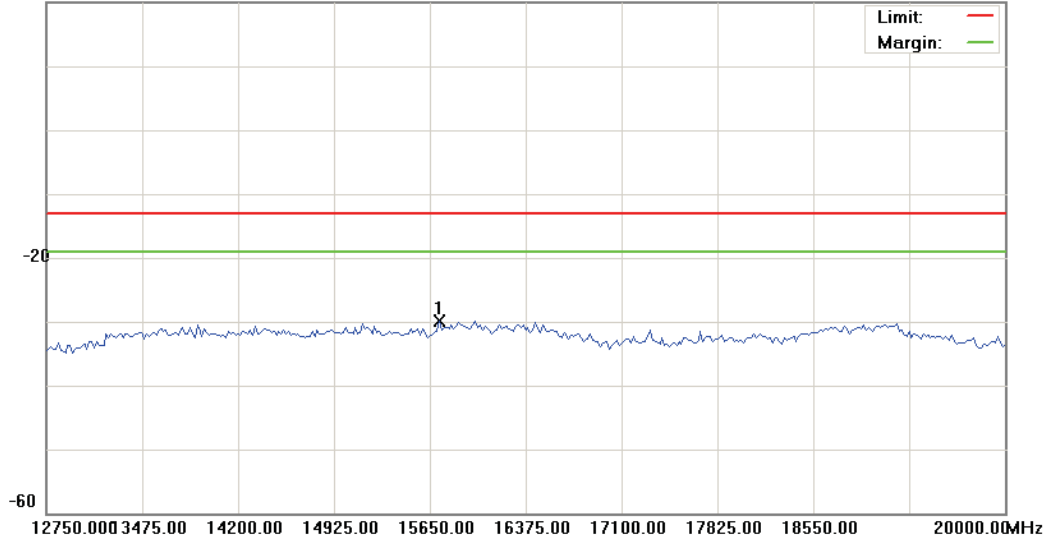
File:PC10100(CH190)

Data :#4

Date:2010/5/29

Time: PM 01:45:30

20.0 dBm



Site : RF Conducted

Phase: *Conducted po*

Temperature: 26 °C

Limit: FCC Part 24 conducted(9k-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: Smartphone

M/N: PC10100

Mode: 1

Note: CH190(836.6MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	15722.50	-36.14	6.22	-29.92	-13.00	-16.92	peak	

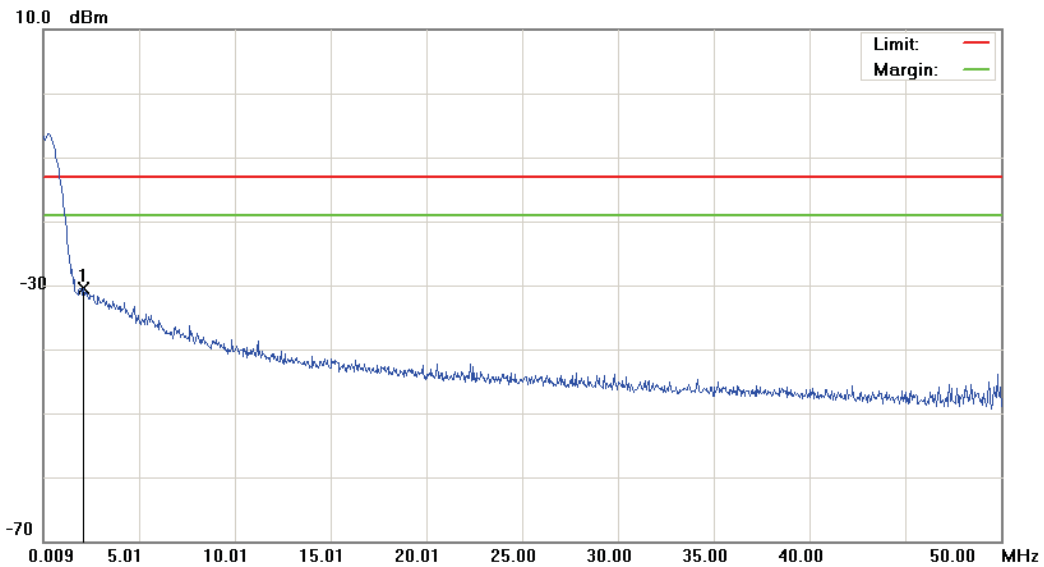
*:Maximum data x:Over limit !:over margin

File:PC10100(CH251)

Data :#1

Date:2010/5/29

Time: PM 01:48:07



Site: : RF Conducted

Limit: FCC Part 22 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 1

Note: CH251(848.8MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	2.1086	-61.96	31.54	-30.42	-13.00	-17.42	peak		Comment

*:Maximum data x:Over limit !:over margin

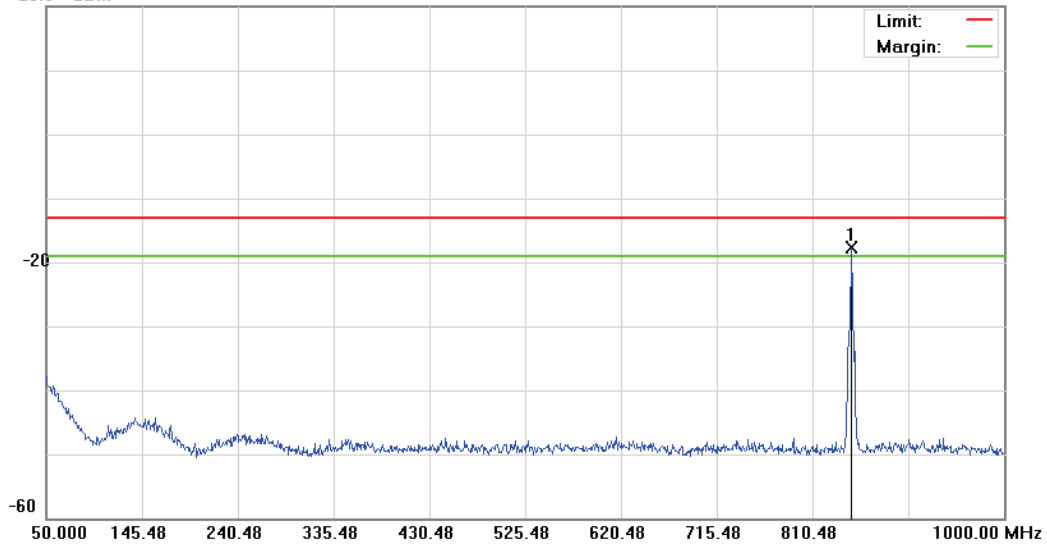
File:PC10100(CH251)

Data :#2

Date:2010/5/29

Time: PM 01:48:31

20.0 dBm



Site: : RF Conducted

Limit: FCC Part 22 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 1

Note: CH251(848.8MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	848.9500	-21.65	3.98	-17.67	-13.00	-4.67	peak		TX

*:Maximum data x:Over limit !:over margin

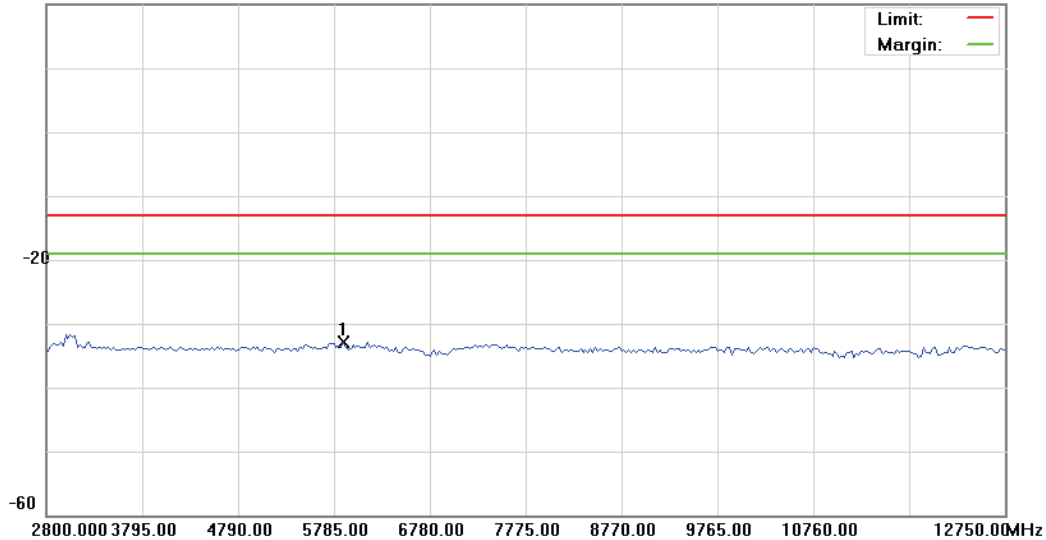
File:PC10100(CH251)

Data :#3

Date:2010/5/29

Time: PM 01:49:11

20.0 dBm



Site : RF Conducted

Phase: *Conducted po*

Temperature: 26 °C

Limit: FCC Part 24 conducted(9k-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: Smartphone

M/N: PC10100

Mode: 1

Note: CH251(848.8MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	5884.500	-37.74	4.88	-32.86	-13.00	-19.86	peak	

*:Maximum data x:Over limit !:over margin

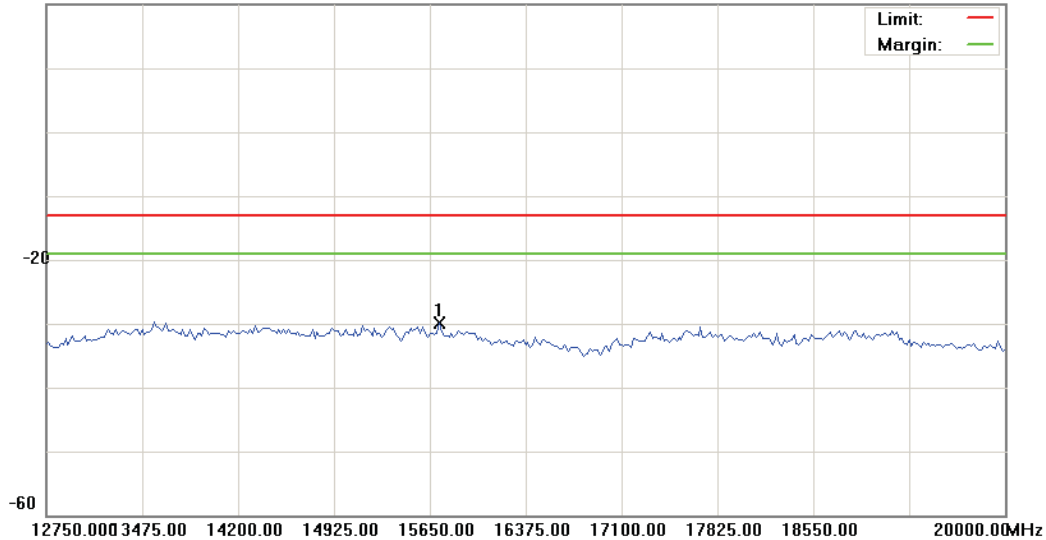
File:PC10100(CH251)

Data :#4

Date: 2010/5/29

Time: PM 01:49:31

20.0 dBm



Site : RF Conducted

Phase: *Conducted po*

Temperature: 26 °C

Limit: FCC Part 24 conducted(9k-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: Smartphone

M/N: PC10100

Mode: 1

Note: CH251(848.8MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	15722.50	-36.14	6.22	-29.92	-13.00	-16.92	peak	

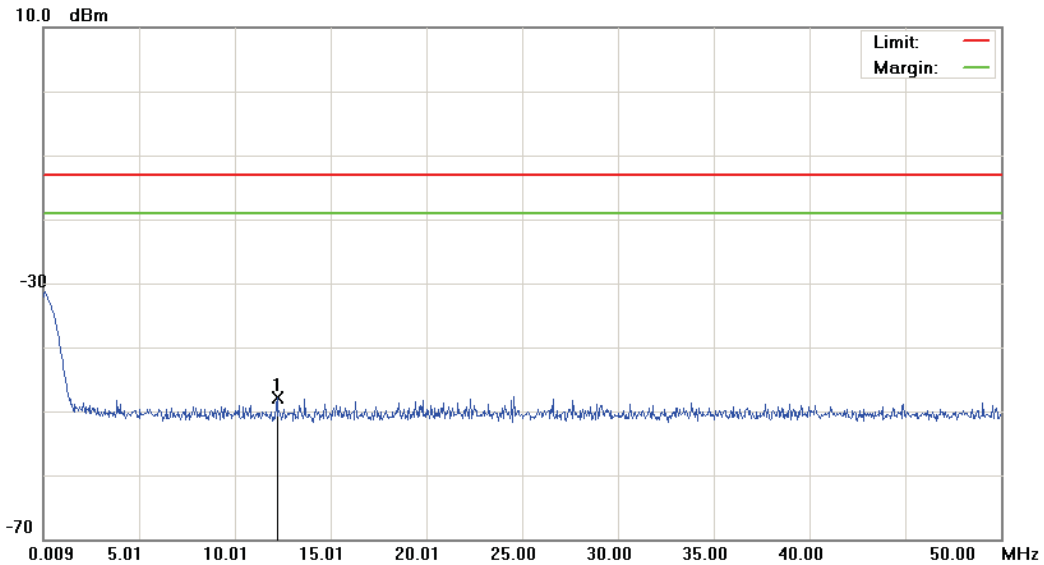
*:Maximum data x:Over limit !:over margin

File:PC10100(CH512)

Data :#1

Date:2010/5/29

Time: PM 02:52:26



Site: : RF Conducted

Limit: FCC Part 24 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 2

Note: CH512(1850.2MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	12.2068	-61.24	13.27	-47.97	-13.00	-34.97	peak		Comment

*:Maximum data x:Over limit !:over margin

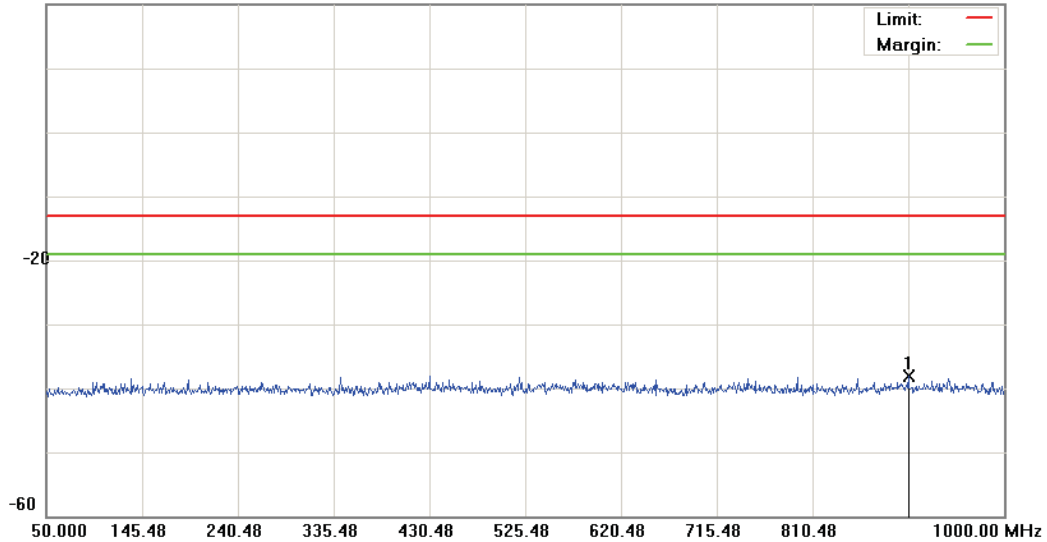
File:PC10100(CH512)

Data :#2

Date:2010/5/29

Time: PM 02:52:51

20.0 dBm



Site: : RF Conducted

Limit: FCC Part 24 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 2

Note: CH512(1850.2MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	905.4750	-51.34	13.23	-38.11	-13.00	-25.11	peak		

*:Maximum data x:Over limit !:over margin

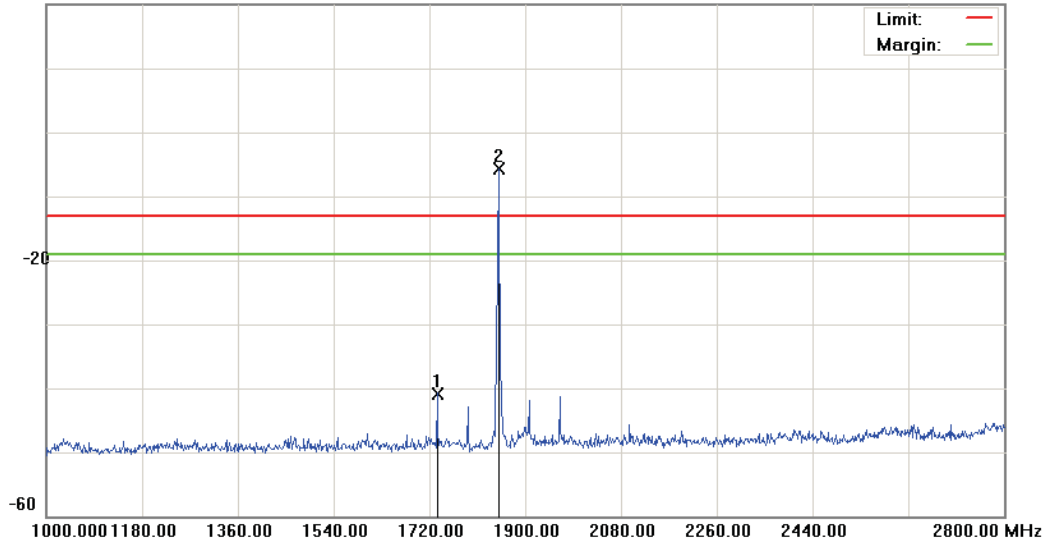
File:PC10100(CH512)

Data :#3

Date:2010/5/29

Time: PM 03:07:31

20.0 dBm



Site: : RF Conducted

Limit: FCC Part 24 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 2

Note: CH512(1850.2MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1		1734.400	-45.40	4.60	-40.80	-13.00	-27.80	peak		
2	*	1850.500	-9.98	4.26	-5.72	-13.00	7.28	peak		TX

*:Maximum data x:Over limit !:over margin

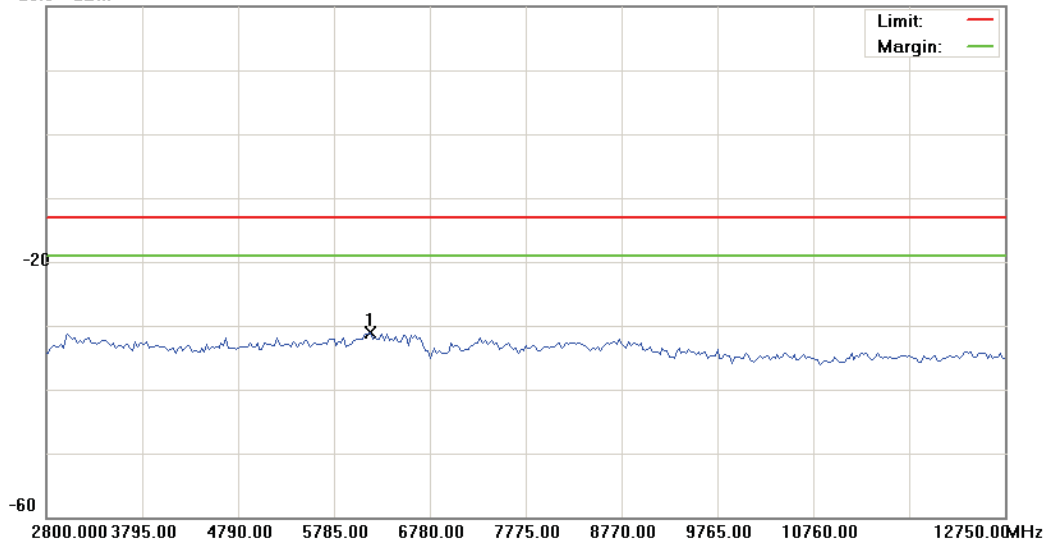
File:PC10100(CH512)

Data :#4

Date:2010/5/29

Time: PM 04:41:28

20.0 dBm



Site : RF Conducted

Phase: *Conducted po*

Temperature: 26 °C

Limit: FCC Part 24 conducted(9k-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: Smartphone

M/N: PC10100

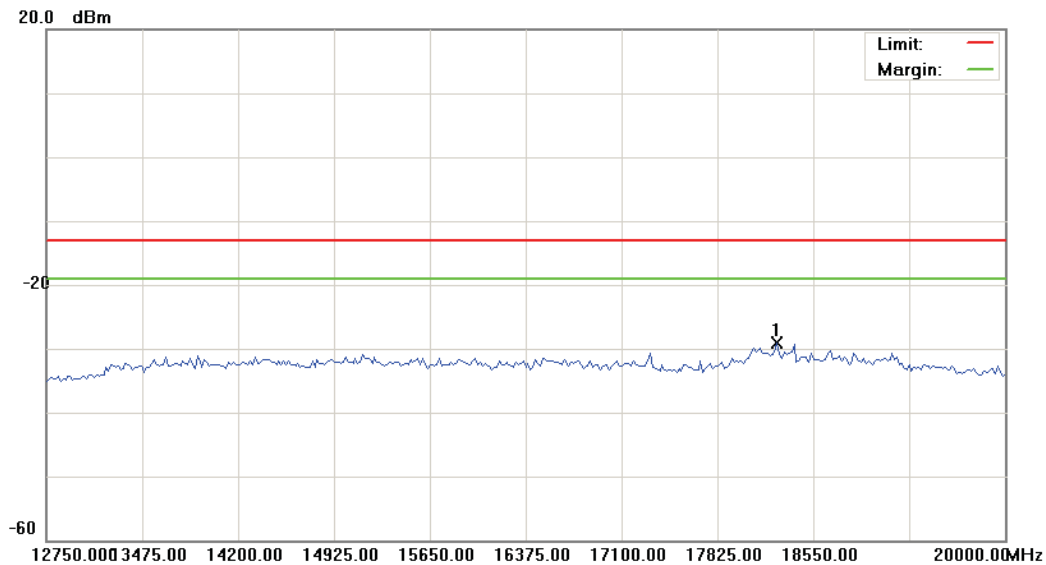
Mode: 2

Note: CH512(1850.2MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	6158.125	-36.05	4.91	-31.14	-13.00	-18.14	peak	

*:Maximum data x:Over limit !:over margin

File:PC10100(CH512) Data :#5 Date:2010/5/29 Time: PM 04:41:58



Site : RF Conducted Phase: **Conducted po** Temperature: 26 °C
 Limit: FCC Part 24 conducted(9k-12.75G) Power: AC 110V/60Hz Humidity: 55 %
 EUT: Smartphone
 M/N: PC10100
 Mode: 2
 Note: CH512(1850.2MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	18278.12	-35.98	6.95	-29.03	-13.00	-16.03	peak	

*:Maximum data x:Over limit !:over margin

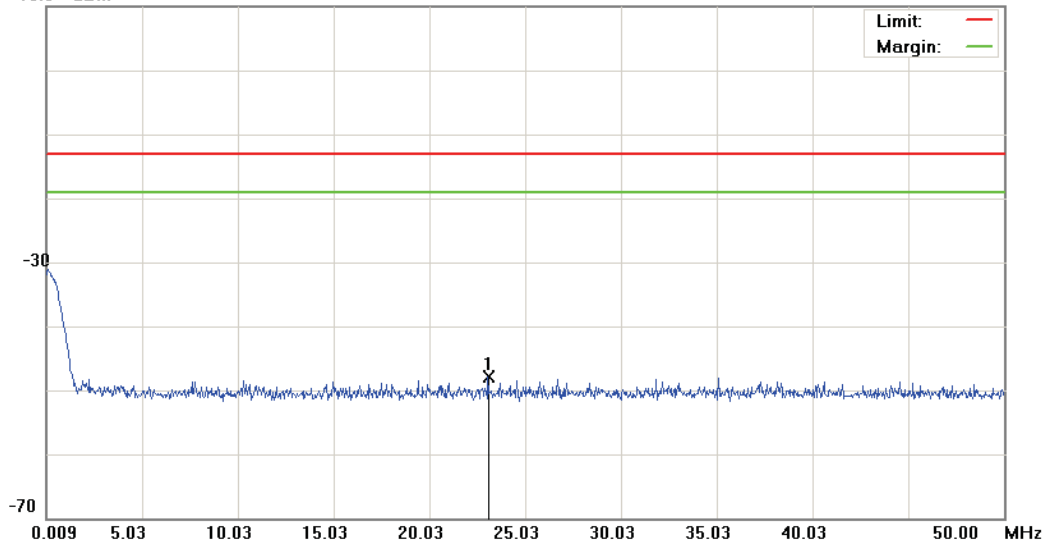
File:PC10100(CH661)

Data :#1

Date:2010/5/29

Time: PM 02:55:55

10.0 dBm



Site: : RF Conducted

Limit: FCC Part 24 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 2

Note: CH661(1880MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	23.0550	-61.19	13.30	-47.89	-13.00	-34.89	peak		

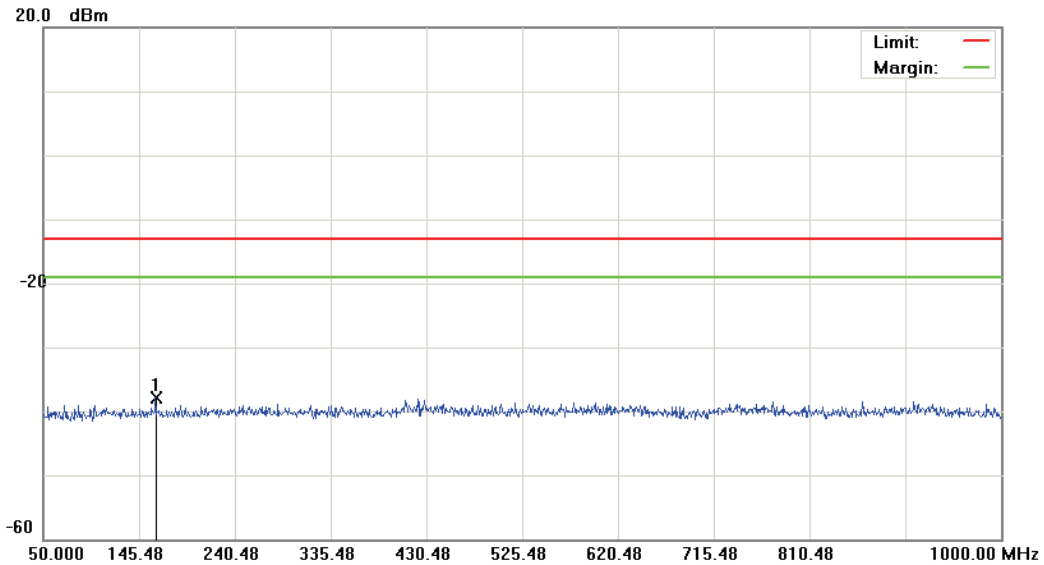
*:Maximum data x:Over limit !:over margin

File: PC10100(CH661)

Data :#2

Date: 2010/5/29

Time: PM 02:56:19



Site: : RF Conducted

Limit: FCC Part 24 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 2

Note: CH661(1880MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	161.6250	-51.23	13.38	-37.85	-13.00	-24.85	peak		Comment

*:Maximum data x:Over limit !:over margin

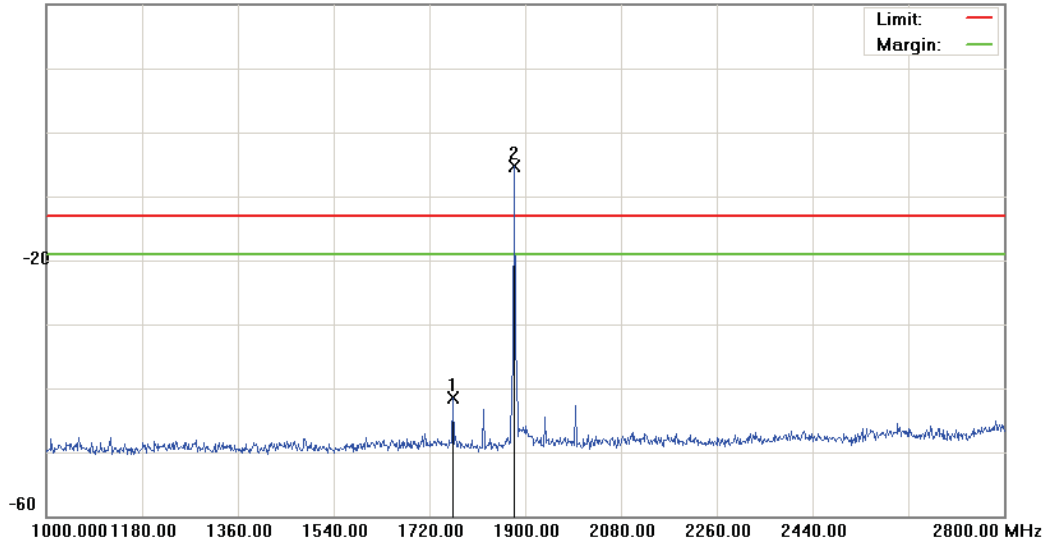
File:PC10100(CH661)

Data :#3

Date:2010/5/29

Time: PM 03:10:26

20.0 dBm



Site: : RF Conducted

Limit: FCC Part 24 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 2

Note: CH661(1880MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1		1765.000	-46.07	4.52	-41.55	-13.00	-28.55	peak		
2	*	1880.200	-10.04	4.65	-5.39	-13.00	7.61	peak		Tx

*:Maximum data x:Over limit !:over margin

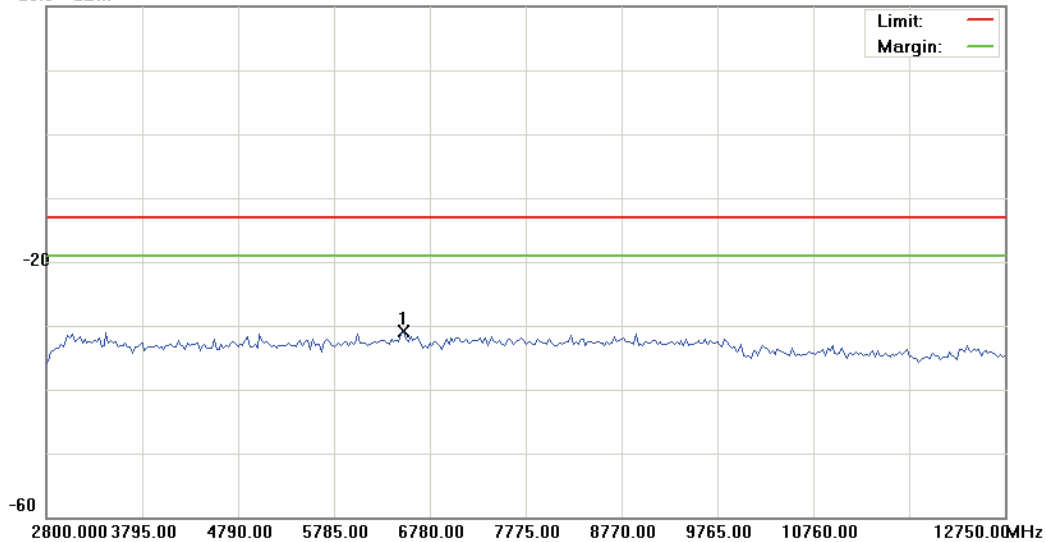
File:PC10100(CH661)

Data :#4

Date:2010/5/29

Time: PM 04:52:26

20.0 dBm



Site : RF Conducted

Phase: *Conducted po*

Temperature: 26 °C

Limit: FCC Part 24 conducted(9k-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: Smartphone

M/N: PC10100

Mode: 2

Note: CH661(1880MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	6506.375	-35.88	5.03	-30.85	-13.00	-17.85	peak	

*:Maximum data x:Over limit !:over margin

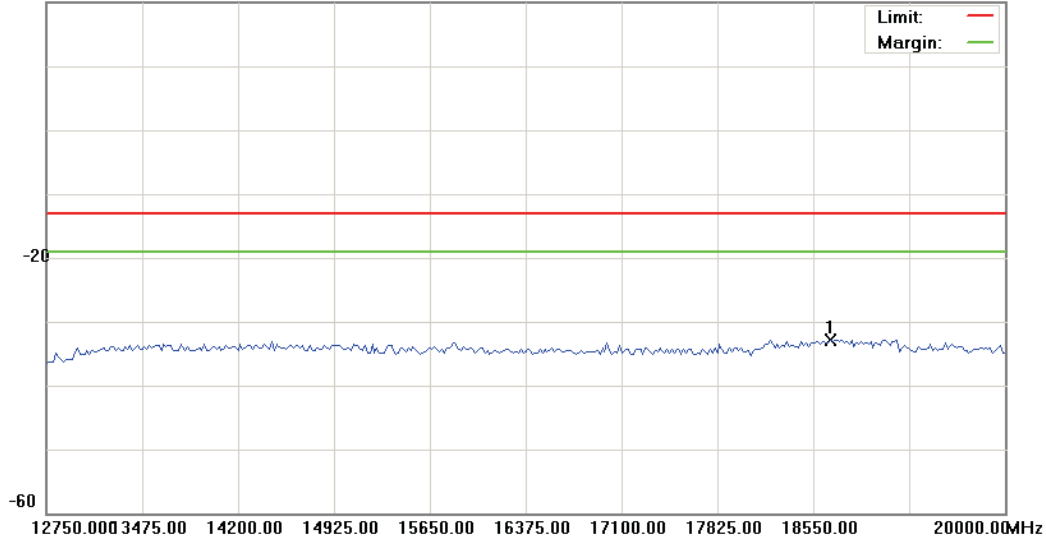
File:PC10100(CH661)

Data :#5

Date:2010/5/29

Time: PM 04:52:26

20.0 dBm



Site : RF Conducted

Phase: *Conducted po*

Temperature: 26 °C

Limit: FCC Part 24 conducted(9k-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: Smartphone

M/N: PC10100

Mode: 2

Note: CH661(1880MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	18676.87	-39.88	7.06	-32.82	-13.00	-19.82	peak	

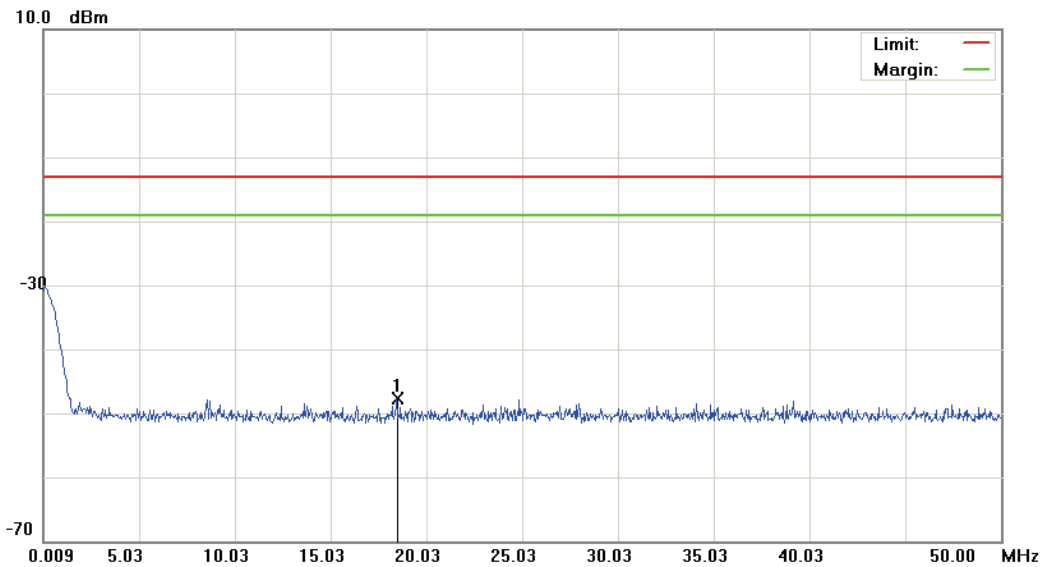
*:Maximum data x:Over limit !:over margin

File:PC10100(CH810)

Data :#1

Date:2010/5/29

Time: PM 03:04:06



Site: : RF Conducted

Limit: FCC Part 24 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 2

Note: CH810(1909.8MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	18.4807	-60.99	13.29	-47.70	-13.00	-34.70	peak		Comment

*:Maximum data x:Over limit !:over margin

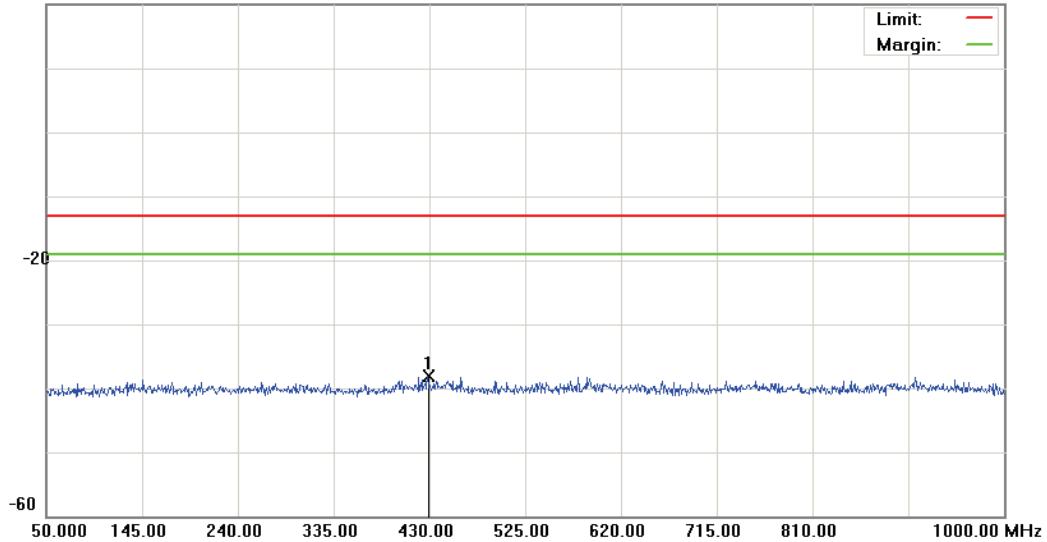
File:PC10100(CH810)

Data :#2

Date:2010/5/29

Time: PM 03:04:30

20.0 dBm



Site: : RF Conducted

Limit: FCC Part 24 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 2

Note: CH810(1909.8MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	428.5750	-51.40	13.25	-38.15	-13.00	-25.15	peak		

*:Maximum data x:Over limit !:over margin

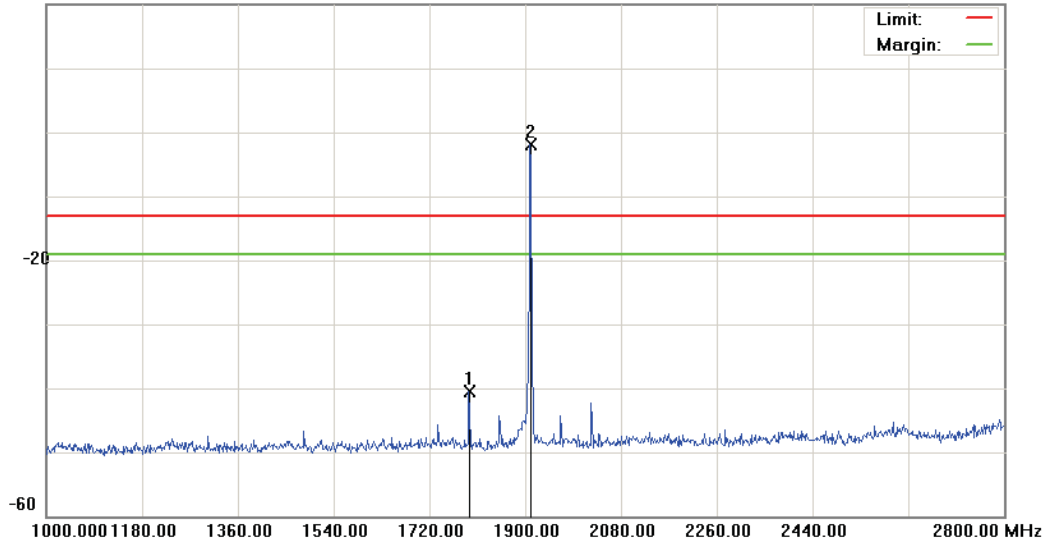
File:PC10100(CH810)

Data :#3

Date:2010/5/29

Time: PM 03:13:14

20.0 dBm



Site: : RF Conducted

Limit: FCC Part 24 conducted(9k-12.75G)

EUT: Smartphone

M/N: PC10100

Mode: 2

Note: CH810(1909.8MHz)

Polarization: *Conducted po*

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1		1794.700	-44.77	4.21	-40.56	-13.00	-27.56	peak		
2	*	1909.900	-7.56	5.71	-1.85	-13.00	11.15	peak		TX

*:Maximum data x:Over limit !:over margin

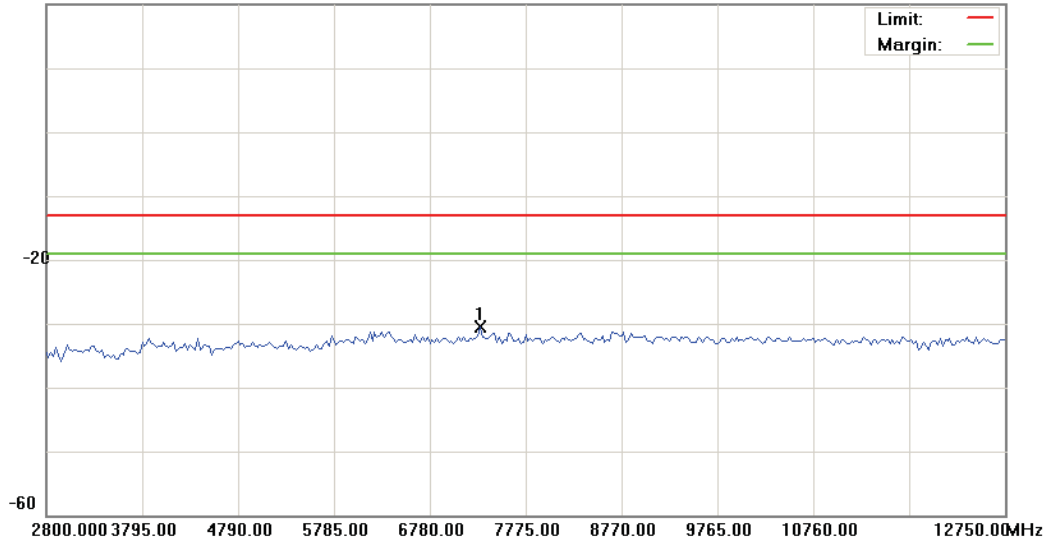
File:PC10100(CH810)

Data :#4

Date:2010/5/29

Time: PM 05:25:54

20.0 dBm



Site : RF Conducted

Phase: *Conducted po*

Temperature: 26 °C

Limit: FCC Part 24 conducted(9k-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: Smartphone

M/N: PC10100

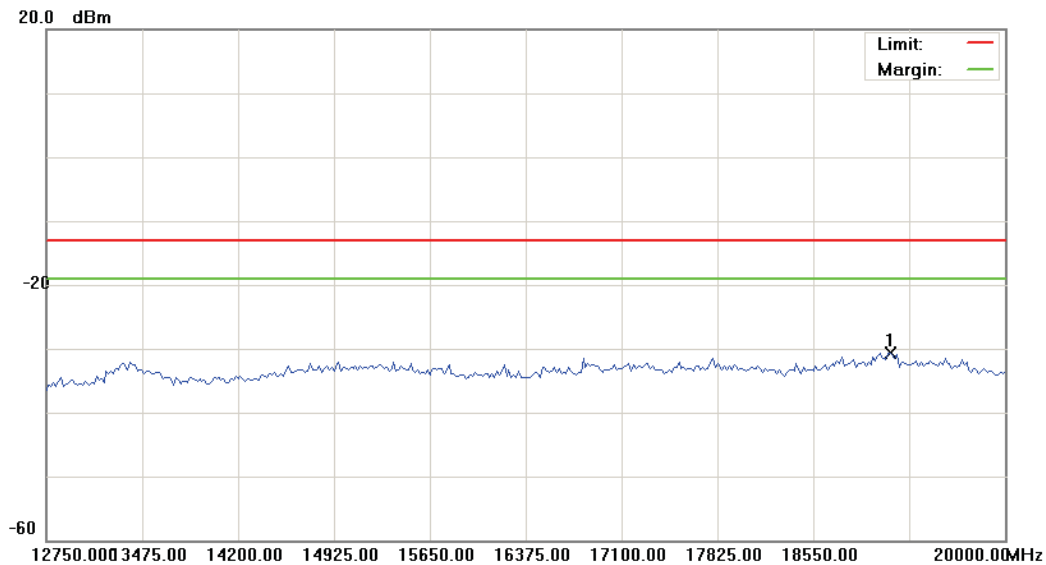
Mode: 2

Note: CH810(1909.8MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	7302.375	-35.63	5.22	-30.41	-13.00	-17.41	peak	

*:Maximum data x:Over limit !:over margin

File:PC10100(CH810) Data :#5 Date:2010/5/29 Time: PM 05:30:54



Site : RF Conducted Phase: *Conducted po* Temperature: 26 °C
 Limit: FCC Part 24 conducted(9k-12.75G) Power: AC 110V/60Hz Humidity: 55 %
 EUT: Smartphone
 M/N: PC10100
 Mode: 2
 Note: CH810(1909.8MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	19130.00	-37.81	7.19	-30.62	-13.00	-17.62	peak	

*:Maximum data x:Over limit !:over margin

6 Field Strength of Spurious Radiation Test

6.1. Limit

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.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

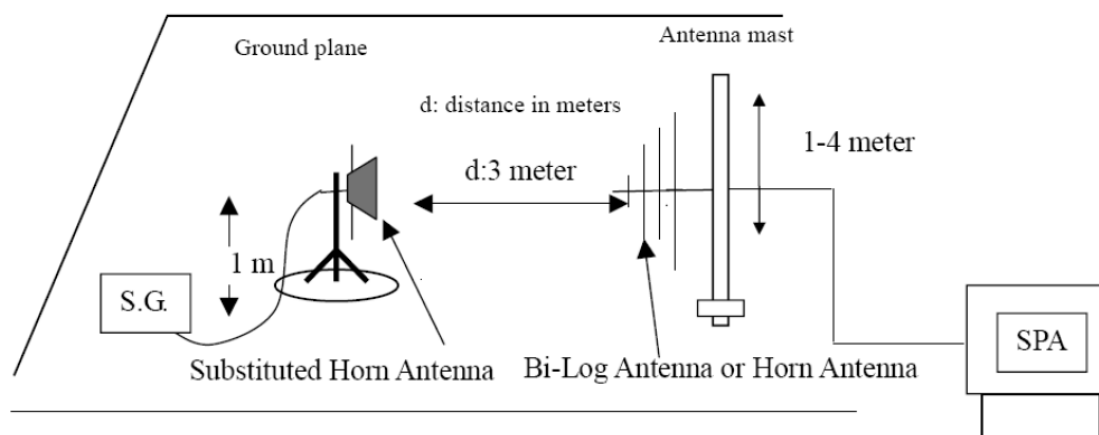
6.2. Test Instruments

3 Meter Chamber					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/27/2009	(2)
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/20/2009	(2)
Pre Amplifier	Agilent	8449B	3008A02237	07/01/2009	(1)
Pre Amplifier	Agilent	8447D	2944A10961	06/30/2009	(1)
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	06/23/2009	(2)
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	07/01/2009	(2)
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	06/30/2009	(2)
Test Site	ATL	TE01	TE01	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

NOTE: N.C.R. = No Calibration Request.

6.3. Setup



6.4. Test Procedure

The measurement is made according to ANSI/TIA-603-C-2004 as follows:

The equipment under test is placed inside the semi-anechoic chamber on a wooden table at the turntable center. For each spurious frequency, the antenna mast is raised and lowered from 1 to 4 meters and the turntable is rotated 360 degrees to obtain a maximum reading on the spectrum analyzer. This is repeated for both horizontal and vertical polarizations of the receive antenna.

The equipment under test is then replaced with a substitution antenna fed by a signal generator. With the signal generator tuned to a particular spurious frequency, the antenna mast is raised and lowered from 1 to 4 meters to obtain a maximum reading at the spectrum analyzer. The output of the signal generator is then adjusted until a reading identical to that obtained with the actual transmitter is achieved.

The power in dBm of each spurious emission is calculated by correcting the signal generator level for cable loss and gain of the substitution antenna referenced to a dipole. A fully charged battery was used for the supply voltage.

The settings of the receiver were as follows:

Units	dBm
Resolution Bandwidth	1 MHz
Video Bandwidth	Auto
Sweep Time	Auto

The field strength of spurious emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in **lie-down position (X axis)** and the worst case was recorded.

6.5. Uncertainty

The measurement uncertainty is defined as for Field Strength of Spurious Radiation measurement is ± 3.072 dB.

6.6. Test Result

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10100	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 1	Date:	2010/06/03
Frequency:	824.2 MHz	Test By:	Gary Wu

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	37.5000	-76.87	12.41	-64.46	-13.00	-51.46	peak	H
2	138.0000	-59.34	-7.11	-66.45	-13.00	-53.45	peak	H
3	229.5000	-61.25	-5.45	-66.70	-13.00	-53.70	peak	H
4	276.0000	-62.48	-4.57	-67.05	-13.00	-54.05	peak	H
5	873.5000	-45.67	14.05	-31.62	-13.00	-18.62	peak	H
6	1648.000	-44.87	10.39	-34.48	-13.00	-21.48	peak	H
7	2472.000	-55.99	11.91	-44.08	-13.00	-31.08	peak	H
8	8440.000	-64.77	28.80	-35.97	-13.00	-22.97	peak	H
1	84.5000	-59.66	-7.49	-67.15	-13.00	-54.15	peak	V
2	178.0000	-62.09	-1.79	-63.88	-13.00	-50.88	peak	V
3	234.5000	-64.46	0.99	-63.47	-13.00	-50.47	peak	V
4	270.5000	-62.92	6.05	-56.87	-13.00	-43.87	peak	V
5	873.5000	-36.33	8.03	-28.30	-13.00	-15.30	peak	V
6	1648.000	-45.95	6.70	-39.25	-13.00	-26.25	peak	V
7	2472.000	-58.23	11.98	-46.25	-13.00	-33.25	peak	V
8	5520.000	-66.64	23.45	-43.19	-13.00	-30.19	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10100	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 1	Date:	2010/06/03
Frequency:	836.6MHz	Test By:	Gary Wu

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	37.5000	-78.14	12.41	-65.73	-13.00	-52.73	peak	H
2	136.0000	-60.48	-6.70	-67.18	-13.00	-54.18	peak	H
3	278.5000	-59.51	-4.49	-64.00	-13.00	-51.00	peak	H
4	873.5000	-45.33	14.06	-31.27	-13.00	-18.27	peak	H
5	881.5000	-41.99	14.80	-27.19	-13.00	-14.19	peak	H
6	1674.000	-44.86	10.39	-34.47	-13.00	-21.47	peak	H
7	2510.000	-57.25	12.03	-45.22	-13.00	-32.22	peak	H
8	8360.000	-66.27	28.99	-37.28	-13.00	-24.28	peak	H
9	9920.000	-66.71	32.12	-34.59	-13.00	-21.59	peak	H
1	84.0000	-58.97	-7.61	-66.58	-13.00	-53.58	peak	V
2	175.0000	-61.79	-1.97	-63.76	-13.00	-50.76	peak	V
3	265.0000	-61.82	5.86	-55.96	-13.00	-42.96	peak	V
4	873.5000	-36.03	8.03	-28.00	-13.00	-15.00	peak	V
5	881.5000	-34.16	8.21	-25.95	-13.00	-12.95	peak	V
6	1674.000	-45.88	6.90	-38.98	-13.00	-25.98	peak	V
7	2510.000	-56.55	12.22	-44.33	-13.00	-31.33	peak	V
8	5860.000	-65.75	22.88	-42.87	-13.00	-29.87	peak	V
9	7130.000	-64.49	25.81	-38.68	-13.00	-25.68	peak	V
10	11370.000	-65.52	37.70	-27.82	-13.00	-14.82	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10100	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 1	Date:	2010/06/03
Frequency:	848.8 MHz	Test By:	Gary Wu

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	37.5000	-75.80	12.41	-63.39	-13.00	-50.39	peak	H
2	139.0000	-59.30	-7.31	-66.61	-13.00	-53.61	peak	H
3	230.5000	-60.09	-5.40	-65.49	-13.00	-52.49	peak	H
4	873.5000	-44.00	14.06	-29.94	-13.00	-16.94	peak	H
5	894.0000	-46.75	16.13	-30.62	-13.00	-17.62	peak	H
6	1102.000	-60.47	11.42	-49.05	-13.00	-36.05	peak	H
7	1698.000	-44.83	10.40	-34.43	-13.00	-21.43	peak	H
8	2546.000	-58.29	12.15	-46.14	-13.00	-33.14	peak	H
9	7710.000	-65.29	29.40	-35.89	-13.00	-22.89	peak	H
1	84.5000	-59.40	-7.49	-66.89	-13.00	-53.89	peak	V
2	178.0000	-61.77	-1.79	-63.56	-13.00	-50.56	peak	V
3	271.0000	-62.64	6.05	-56.59	-13.00	-43.59	peak	V
4	873.5000	-36.11	8.03	-28.08	-13.00	-15.08	peak	V
5	894.0000	-35.65	8.48	-27.17	-13.00	-14.17	peak	V
6	1698.000	-43.85	7.08	-36.77	-13.00	-23.77	peak	V
7	2546.000	-55.40	12.50	-42.90	-13.00	-29.90	peak	V
8	8610.000	-65.55	25.63	-39.92	-13.00	-26.92	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10100	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2	Date:	2010/06/03
Frequency:	1850.2 MHz	Test By:	Gary Wu

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	43.0000	-80.19	11.97	-68.22	-13.00	-55.22	peak	H
2	94.5000	-81.33	0.92	-80.41	-13.00	-67.41	peak	H
3	290.0000	-76.13	-4.12	-80.25	-13.00	-67.25	peak	H
4	441.0000	-78.54	6.28	-72.26	-13.00	-59.26	peak	H
5	485.0000	-79.58	11.50	-68.08	-13.00	-55.08	peak	H
6	880.0000	-66.47	14.64	-51.83	-13.00	-38.83	peak	H
7	1678.000	-59.24	10.40	-48.84	-13.00	-35.84	peak	H
8	1736.000	-53.96	10.40	-43.56	-13.00	-30.56	peak	H
9	1792.000	-57.85	10.42	-47.43	-13.00	-34.43	peak	H
10	1930.000	-43.63	10.44	-33.19	-13.00	-20.19	peak	H
11	5550.000	-64.36	21.82	-42.54	-13.00	-29.54	peak	H
1	102.0000	-80.40	-3.06	-83.46	-13.00	-70.46	peak	V
2	276.5000	-77.84	6.25	-71.59	-13.00	-58.59	peak	V
3	561.5000	-78.15	2.77	-75.38	-13.00	-62.38	peak	V
4	689.0000	-78.50	8.82	-69.68	-13.00	-56.68	peak	V
5	752.5000	-78.87	9.19	-69.68	-13.00	-56.68	peak	V
6	880.0000	-67.89	8.18	-59.71	-13.00	-46.71	peak	V
7	1678.000	-60.14	6.93	-53.21	-13.00	-40.21	peak	V
8	1736.000	-49.75	7.37	-42.38	-13.00	-29.38	peak	V
9	1792.000	-52.64	7.82	-44.82	-13.00	-31.82	peak	V
10	1930.000	-37.23	8.88	-28.35	-13.00	-15.35	peak	V
11	1966.000	-49.84	9.15	-40.69	-13.00	-27.69	peak	V
12	2022.000	-61.85	9.54	-52.31	-13.00	-39.31	peak	V
13	5550.000	-64.56	23.41	-41.15	-13.00	-28.15	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10100	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2	Date:	2010/06/03
Frequency:	1880.0 MHz	Test By:	Gary Wu

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	40.0000	-80.55	12.22	-68.33	-13.00	-55.33	peak	H
2	90.5000	-80.78	1.29	-79.49	-13.00	-66.49	peak	H
3	299.0000	-77.25	-3.83	-81.08	-13.00	-68.08	peak	H
4	481.0000	-79.71	11.66	-68.05	-13.00	-55.05	peak	H
5	657.5000	-78.65	2.54	-76.11	-13.00	-63.11	peak	H
6	891.5000	-80.24	15.87	-64.37	-13.00	-51.37	peak	H
7	1708.000	-62.02	10.39	-51.63	-13.00	-38.63	peak	H
8	1764.000	-54.35	10.41	-43.94	-13.00	-30.94	peak	H
9	1822.000	-58.50	10.41	-48.09	-13.00	-35.09	peak	H
10	1938.000	-44.88	10.44	-34.44	-13.00	-21.44	peak	H
11	1960.000	-42.55	10.44	-32.11	-13.00	-19.11	peak	H
12	5640.000	-64.98	22.04	-42.94	-13.00	-29.94	peak	H
13	10440.000	-66.15	34.05	-32.10	-13.00	-19.10	peak	H
1	107.5000	-80.25	-3.12	-83.37	-13.00	-70.37	peak	V
2	228.0000	-78.73	1.29	-77.44	-13.00	-64.44	peak	V
3	271.5000	-77.97	6.08	-71.89	-13.00	-58.89	peak	V
4	496.5000	-78.39	0.71	-77.68	-13.00	-64.68	peak	V
5	699.0000	-77.21	8.39	-68.82	-13.00	-55.82	peak	V
6	880.0000	-74.00	8.18	-65.82	-13.00	-52.82	peak	V
7	1708.000	-58.65	7.15	-51.50	-13.00	-38.50	peak	V
8	1764.000	-47.70	7.60	-40.10	-13.00	-27.10	peak	V
9	1822.000	-52.41	8.04	-44.37	-13.00	-31.37	peak	V
10	1938.000	-38.86	8.94	-29.92	-13.00	-16.92	peak	V
11	1960.000	-39.95	9.11	-30.84	-13.00	-17.84	peak	V
12	1996.000	-52.13	9.39	-42.74	-13.00	-29.74	peak	V
13	3760.000	-63.60	19.98	-43.62	-13.00	-30.62	peak	V
14	5640.000	-64.83	23.26	-41.57	-13.00	-28.57	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10100	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2	Date:	2010/06/03
Frequency:	1909.8 MHz	Test By:	Gary Wu

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	44.0000	-80.71	11.87	-68.84	-13.00	-55.84	peak	H
2	91.0000	-80.38	1.25	-79.13	-13.00	-66.13	peak	H
3	275.5000	-75.89	-4.58	-80.47	-13.00	-67.47	peak	H
4	480.5000	-80.01	11.69	-68.32	-13.00	-55.32	peak	H
5	776.5000	-78.16	5.45	-72.71	-13.00	-59.71	peak	H
6	909.0000	-79.66	16.56	-63.10	-13.00	-50.10	peak	H
7	1736.000	-60.81	10.40	-50.41	-13.00	-37.41	peak	H
8	1794.000	-53.78	10.41	-43.37	-13.00	-30.37	peak	H
9	1852.000	-59.50	10.42	-49.08	-13.00	-36.08	peak	H
10	1938.000	-45.06	10.44	-34.62	-13.00	-21.62	peak	H
11	1990.000	-40.44	10.45	-29.99	-13.00	-16.99	peak	H
12	7720.000	-65.63	29.41	-36.22	-13.00	-23.22	peak	H
1	101.5000	-81.09	-3.05	-84.14	-13.00	-71.14	peak	V
2	236.5000	-78.44	0.89	-77.55	-13.00	-64.55	peak	V
3	268.0000	-78.71	5.95	-72.76	-13.00	-59.76	peak	V
4	660.5000	-78.68	8.15	-70.53	-13.00	-57.53	peak	V
5	737.0000	-79.36	9.36	-70.00	-13.00	-57.00	peak	V
6	976.5000	-79.76	10.51	-69.25	-13.00	-56.25	peak	V
7	1738.000	-58.79	7.39	-51.40	-13.00	-38.40	peak	V
8	1794.000	-48.13	7.83	-40.30	-13.00	-27.30	peak	V
9	1852.000	-51.50	8.27	-43.23	-13.00	-30.23	peak	V
10	1938.000	-38.68	8.94	-29.74	-13.00	-16.74	peak	V
11	1990.000	-43.24	9.34	-33.90	-13.00	-20.90	peak	V
12	2026.000	-53.06	9.55	-43.51	-13.00	-30.51	peak	V
13	7830.000	-65.30	26.50	-38.80	-13.00	-25.80	peak	V

7 Frequency Stability (Temperature Variation) Test

7.1. Limit

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block.

The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

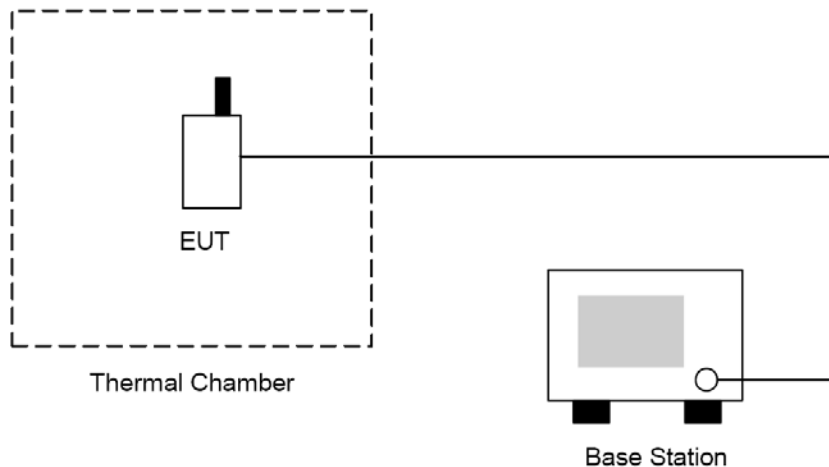
7.2. Test Instruments

Describe	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Universal Radio Communication Tester	ROHDE & SCHWARZ	CMU200	109369	07/29/2009	(2)
Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	08/26/2009	(2)
Test Site	ATL	TE02	TE02	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

NOTE: N.C.R. = No Calibration Request.

7.3. Setup



7.4. Test Procedure

The measurement is made according to FCC rules part 22 and 24:

1. The EUT and test equipment were set up as shown on the following section.
2. With all power removed, the temperature was decreased to -30°C and permitted to stabilize for three hours. Power was applied and the maximum change in frequency was note within one minute.
3. With power OFF, the temperature was raised in 10°C steps. The sample was permitted to stabilize at each step for at least one-half hour. Power was applied and the maximum frequency change was noted within one minute.
4. The temperature tests were performed for the worst case.
5. Test data was recorded.

7.5. Uncertainty

The measurement uncertainty is defined as for Frequency Stability (Temperature Variation) measurement is $\pm 10\text{Hz}$.

7.6. Test Result

Product	Smartphone			
Test Item	Frequency Stability (Temperature Variation)			
Test Mode	Mode 1: GSM 850 Link			
Date of Test	06/01/2010		Test Site	TE02
Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
-30	23.44	0.028	±2.5	Pass
-20	20.95	0.025	±2.5	Pass
-10	20.48	0.024	±2.5	Pass
0	21.47	0.026	±2.5	Pass
10	22.34	0.027	±2.5	Pass
20	21.44	0.026	±2.5	Pass
30	20.45	0.024	±2.5	Pass
40	28.31	0.034	±2.5	Pass
50	23.14	0.028	±2.5	Pass

Product	Smartphone			
Test Item	Frequency Stability (Temperature Variation)			
Test Mode	Mode 2: GSM 1900 Link			
Date of Test	06/01/2010		Test Site	TE02
Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
-30	21.47	0.011	±2.5	Pass
-20	20.59	0.011	±2.5	Pass
-10	21.45	0.011	±2.5	Pass
0	21.34	0.011	±2.5	Pass
10	19.35	0.010	±2.5	Pass
20	19.31	0.010	±2.5	Pass
30	18.54	0.010	±2.5	Pass
40	19.67	0.010	±2.5	Pass
50	19.73	0.010	±2.5	Pass

8 Frequency Stability (Voltage Variation) Test

8.1. Limit

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block.

The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

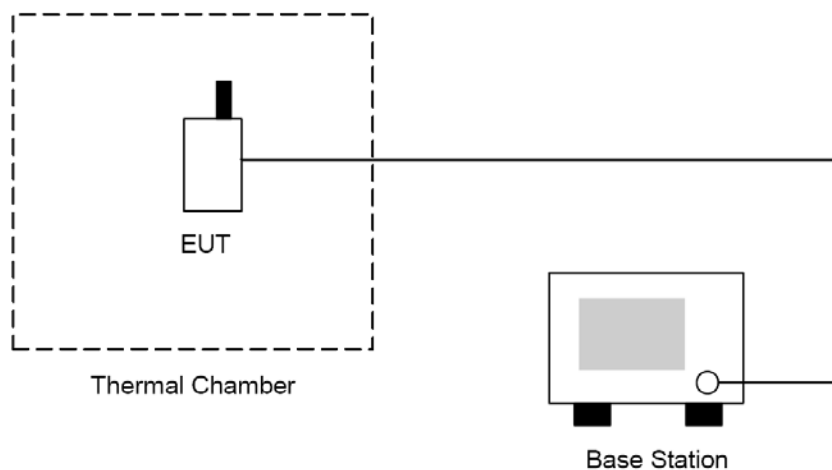
8.2. Test Instruments

Describe	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Universal Radio Communication Tester	ROHDE & SCHWARZ	CMU200	109369	07/29/2009	(2)
Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	08/26/2009	(2)
Test Site	ATL	TE02	TE02	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

NOTE: N.C.R. = No Calibration Request.

8.3. Setup



8.4. Test Procedure

1. The EUT was placed in a temperature chamber at $25 \pm 5^\circ\text{C}$ and connected as the following section.
2. The power supply voltage to the EUT was varied from BEP to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

8.5. Uncertainty

The measurement uncertainty is defined as for Frequency Stability (Voltage Variation) measurement is $\pm 10\text{Hz}$.

8.6. Test Result

Product	Smartphone				
Test Item	Frequency Stability (Voltage Variation)				
Test Mode	Mode 1: GSM 850 Link				
Date of Test	06/01/2010		Test Site	TE02	
Level	Voltage [V]	Deviation [Hz]	Deviation [ppm]	Limit [ppm]	Result
Battery full point	4.20	23.48	0.028	± 2.5	Pass
Normal	3.70	23.18	0.028	± 2.5	Pass
Battery cut-off point	3.40	23.13	0.028	± 2.5	Pass

Product	Smartphone				
Test Item	Frequency Stability (Voltage Variation)				
Test Mode	Mode 2: GSM 1900 Link				
Date of Test	06/01/2010		Test Site	TE02	
Level	Voltage [V]	Deviation [Hz]	Deviation [ppm]	Limit [ppm]	Result
Battery full point	4.20	23.96	0.013	± 2.5	Pass
Normal	3.70	25.43	0.014	± 2.5	Pass
Battery cut-off point	3.40	22.47	0.012	± 2.5	Pass

9 AC Power Conducted Emissions Test

9.1. Limit

Frequency range (MHz)	Limits (dBuV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5.0	56	46
5.0 to 30	60	50

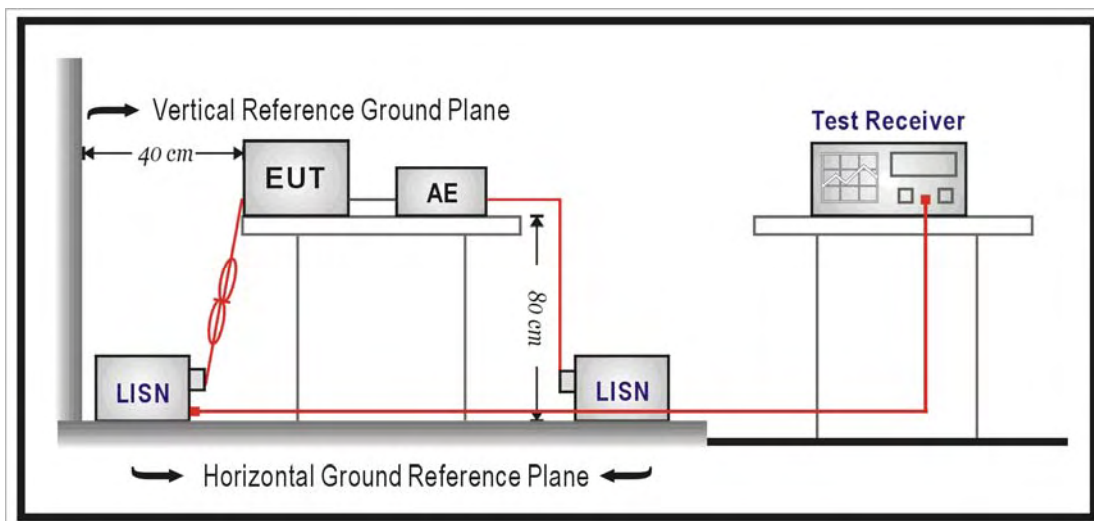
9.2. Test Instruments

Describe	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Test Receiver	R&S	ESCI	100367	07/01/2009	(1)
LISN	R&S	ENV216	101040	03/02/2010	(1)
LISN	R&S	ENV216	101041	03/02/2010	(1)
Test Site	ATL	TE02	TE02	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

NOTE: N.C.R. = No Calibration Request.

9.3. Setup



9.4. Test Procedure

The measurement is made according to FCC rules15.207:

The power line conducted emission measurements were performed in a shielded enclosure. The EUT was assembled on a wooden table which is 80 centimeters high, was placed 40 centimeters from the back wall and at least 1 meter from the sidewall.

Power was fed to the EUT from the public utility power grid through a line filter and EMCO Model 3162/2 SH Line Impedance Stabilization Networks (LISN). The LISN housing, measuring instrumentation case, ground plane, etc., were electrically bonded together at the same RF potential. The Spectrum analyzer was connected to the AC line through an isolation transformer. The 50-ohm output of the LISN was connected to the spectrum analyzer directly. Conducted emission levels were in the CISPR quasi-peak detection mode. The analyzer's 6 dB bandwidth was set to 9 KHz. No post-detector video filter was used.

The spectrum was scanned from 150 KHz to 30 MHz. The physical arrangement of the test system and associated cabling was varied (within the scope of arrangements likely to be encountered in actual use) to determine the effect on the unit's emanations in amplitude and frequency. All spurious emission frequencies were observed. The highest emission amplitudes relative to the appropriate limit were measured and have been recorded in section 10.6.

9.5. Uncertainty

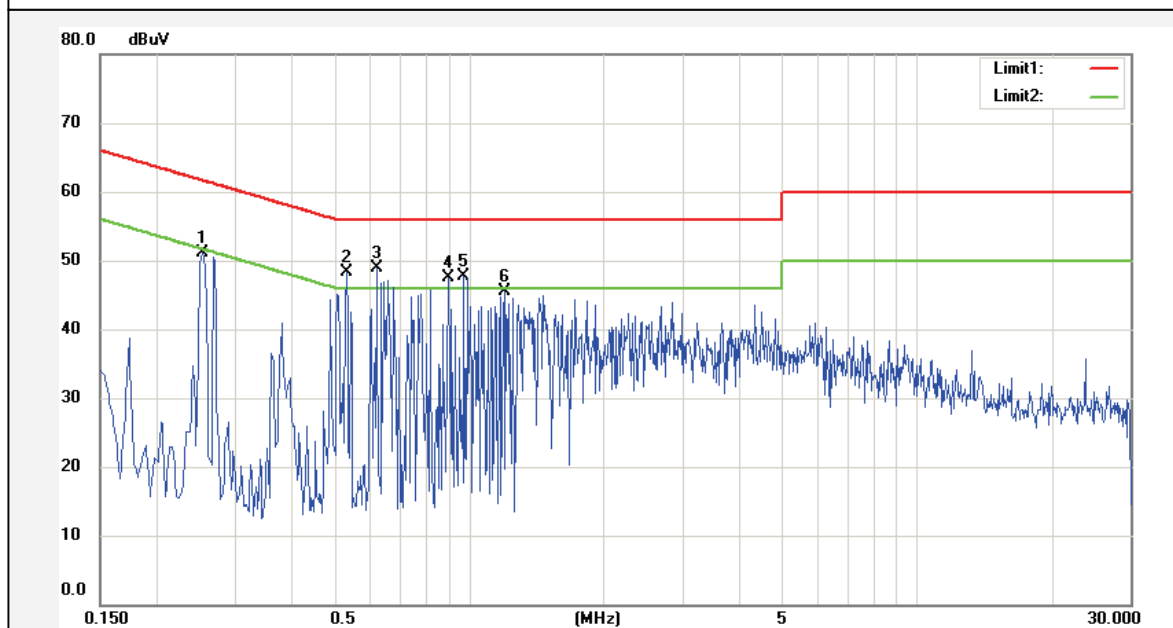
The measurement uncertainty is defined as for AC power conducted emission measurement is ± 2.24 dB.

9.6. Test Result

Product	Smartphone		
Test Item	AC Power Conducted Emissions		
Test Mode	Mode 1: GSM 850 Link Mode 2: GSM 1900 Link		
Date of Test	05/18 ~ 05/31/2010	Test Site	TE02

Job No.:	File :10-0196-SE	Date:	2010/5/31
Standard:	FCC Part 22 Class B Conduction(QP)	Time:	PM 05:42:26
Test item:	Conduction Test	Temp.(°C)/Hum.(%):	26 °C / 60 %
Line :	L1	Test By :	Gary Wu
Model:	PC10100	Test Voltage	AC 120V/60Hz

Description: Mode 1

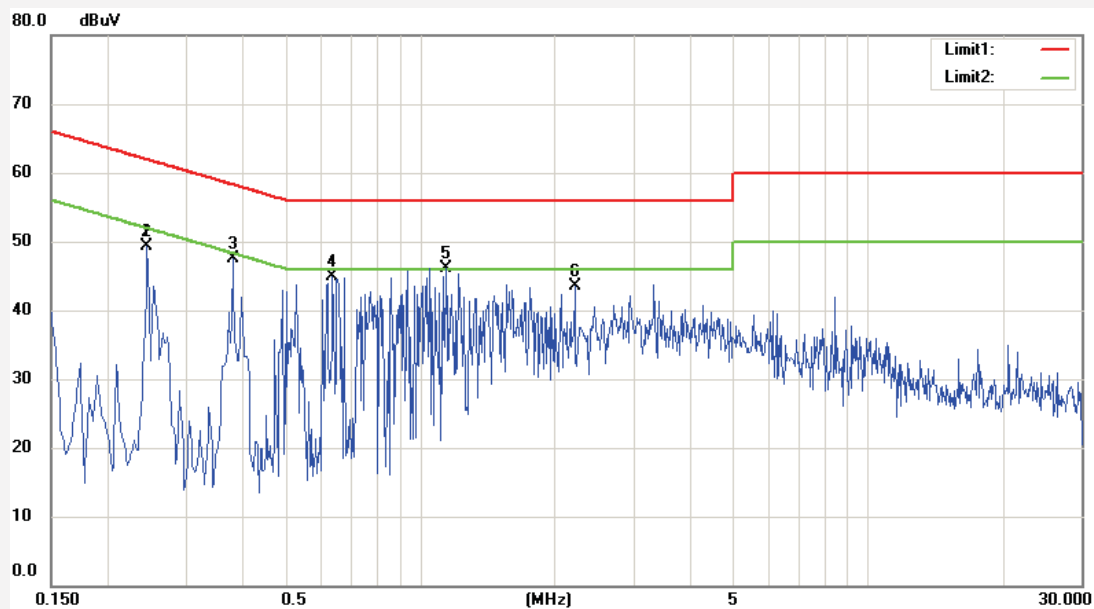


No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
1	0.2540	38.03	17.15	10.06	48.09	27.21	61.63	51.63	-13.54	-24.42	*
2	0.5340	30.21	8.05	9.94	40.15	17.99	56.00	46.00	-15.85	-28.01	
3	0.6220	32.06	8.94	9.90	41.96	18.84	56.00	46.00	-14.04	-27.16	
4	0.9020	32.38	11.28	9.80	42.18	21.08	56.00	46.00	-13.82	-24.92	
5	0.9740	29.03	5.82	9.77	38.80	15.59	56.00	46.00	-17.20	-30.41	
6	1.1980	27.58	5.12	9.67	37.25	14.79	56.00	46.00	-18.75	-31.21	

Remark: " * " Maximum data

Job No.:	File :10-0196-SE	Date:	2010/5/31
Standard:	FCC Part 22 Class B Conduction(QP)	Time:	PM 05:45:38
Test item:	Conduction Test	Temp.(°C)/Hum.(%):	26 °C / 60 %
Line :	N	Test By :	Gary Wu
Model:	PC10100	Test Voltage	AC 120V/60Hz

Description: Mode 1

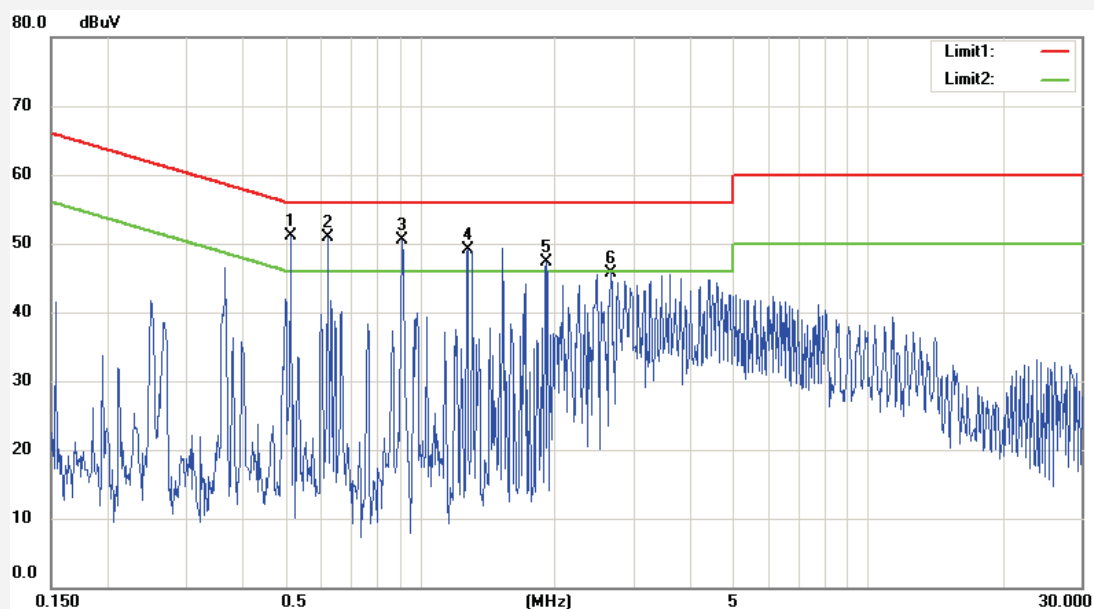


No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
1	0.2460	38.25	19.62	10.05	48.30	29.67	61.89	51.89	-13.59	-22.22	*
2	0.2460	38.15	19.75	10.05	48.20	29.80	61.89	51.89	-13.69	-22.09	*
3	0.3820	28.90	13.52	10.01	38.91	23.53	58.24	48.24	-19.33	-24.71	
4	0.6380	31.59	10.34	9.89	41.48	20.23	56.00	46.00	-14.52	-25.77	
5	1.1460	27.52	8.90	9.69	37.21	18.59	56.00	46.00	-18.79	-27.41	
6	2.2180	22.41	9.05	9.73	32.14	18.78	56.00	46.00	-23.86	-27.22	

Remark: " * " Maximum data

Job No.:	File :10-0196-SE	Date:	2010/5/18
Standard:	FCC Part 24 Class B Conduction(QP)	Time:	PM 04:59:15
Test item:	Conduction Test	Temp.(°C)/Hum.(%):	26 °C / 60 %
Line :	L1	Test By :	Gary Wu
Model:	PC10100	Test Voltage	AC 120V/60Hz

Description: Mode 2

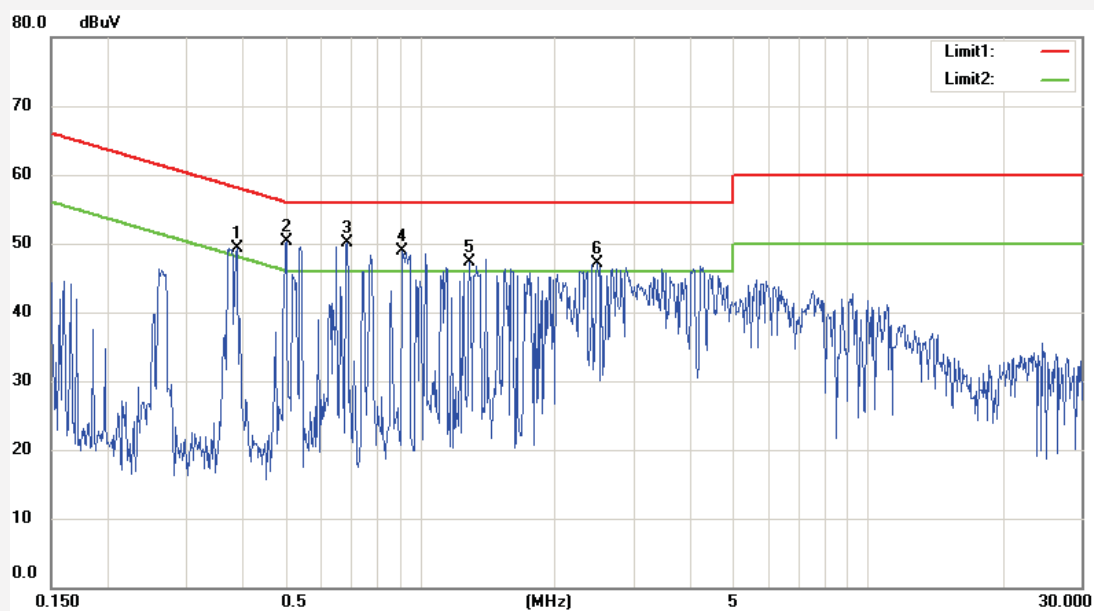


No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
1	0.5128	36.37	14.65	9.95	46.32	24.60	56.00	46.00	-9.68	-21.40	*
2	0.6238	34.97	15.24	9.90	44.87	25.14	56.00	46.00	-11.13	-20.86	
3	0.9136	33.74	9.65	9.79	43.53	19.44	56.00	46.00	-12.47	-26.56	
4	1.2756	31.84	8.06	9.64	41.48	17.70	56.00	46.00	-14.52	-28.30	
5	1.9182	27.87	8.15	9.70	37.57	17.85	56.00	46.00	-18.43	-28.15	
6	2.6641	26.97	12.69	9.78	36.75	22.47	56.00	46.00	-19.25	-23.53	

Remark: " * " Maximum data

Job No.:	File :10-0196-SE	Date:	2010/5/18
Standard:	FCC Part 24 Class B Conduction(QP)	Time:	PM 05:04:17
Test item:	Conduction Test	Temp.(°C)/Hum.(%):	26 °C / 60 %
Line :	N	Test By :	Gary Wu
Model:	PC10100	Test Voltage	AC 120V/60Hz

Description: Mode 2



No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
1	0.3893	34.70	11.82	10.00	44.70	21.82	58.08	48.08	-13.38	-26.26	
2	0.5020	35.44	11.93	9.96	45.40	21.89	56.00	46.00	-10.60	-24.11	*
3	0.6863	29.92	3.48	9.88	39.80	13.36	56.00	46.00	-16.20	-32.64	
4	0.9087	32.37	8.78	9.79	42.16	18.57	56.00	46.00	-13.84	-27.43	
5	1.2892	30.10	7.97	9.62	39.72	17.59	56.00	46.00	-16.28	-28.41	
6	2.4868	27.87	6.99	9.76	37.63	16.75	56.00	46.00	-18.37	-29.25	

Remark: " * " Maximum data