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 No.	:	PB76100
Test Specification	:	FCC 47 CFR PART 22H: Oct, 2008 FCC 47 CFR PART 24E: Oct, 2008 ANSI/TIA-603-2007
Issue Date	:	Nov.30, 2009 ~ Jan.05, 2010

Issue by

A Test Lab Techno Corp.
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Taiwan Accreditation Foundation accreditation number: 1330

Revision History

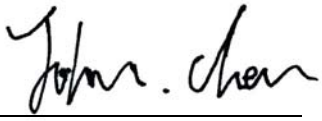
Rev.	Issue Date	Revisions	Revised By
00	Jan.29, 2010	Initial Issue	

Test Report Certification

Issued Date: 2010/01/29

Product Type	:	Smartphone
Applicant	:	HTC Corporation
Address	:	No. 23, Xinghua Rd., Taoyuan City, Taoyuan County 330, Taiwan
Trade Name	:	HTC
Model No.	:	PB76100
EUT Rated Voltage	:	AC 100-240V, 50-60Hz, 0.2 A
Test Voltage	:	120 Vac / 60 Hz
Applicable Standard	:	FCC 47 CFR PART 22H: Oct, 2008 FCC 47 CFR PART 24E: Oct, 2008 ANSI/TIA-603-2007
Test Result	:	Complied
Performed Lab.	:	A Test Lab Techno Corp. No. 140-1, Changan Street, Bade City Taoyuan Country 334, Taiwan R.O.C. Tel：+86-3-2710188 / Fax：+86-3-2710190 Taiwan Accreditation Foundation accreditation number: 1330 http://www.atl-lab.com.tw/e-index.htm

The above equipment has been tested by A Test Lab Techno Corp., and found compliance with the requirements set forth in the Electromagnetic Compatibility Directive 2004/108/EC and technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved By	:		Reviewed By	:	
(Director)		(Miller Lee)	(Manager)		(John Cheng)

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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		PB76100			
Mode	GPRS & EGPRS	Band	UL Frequency (MHz)	DL Frequency (MHz)	Modulation
		850	824.2 ~ 848.8	869.2 ~ 893.8	8PSK
		1900	1850.2 ~ 1909.8	1930.2 ~ 1989.8	8PSK
Channel Control		Auto			
Type of Antenna		PIFA			
Antenna Gain (dBi)		GSM/GPRS/EGPRS 850: -5.2 dBi PCS/GPRS/EGPRS 1900: 0.6 dBi			
RF Output Power		1.941 W (32.88 dBm) GSM850/GPRS/EGPRS 0.855 W (29.32 dBm) PCS1900/GPRS/EGPRS			

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: IDLE
Mode 2: GSM850 Link
Mode 3: PCS1900 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 No.	Serial No.	Power Cord
1.	Universal Radio Communication Tester	R&S	CMU200	109369	N/A

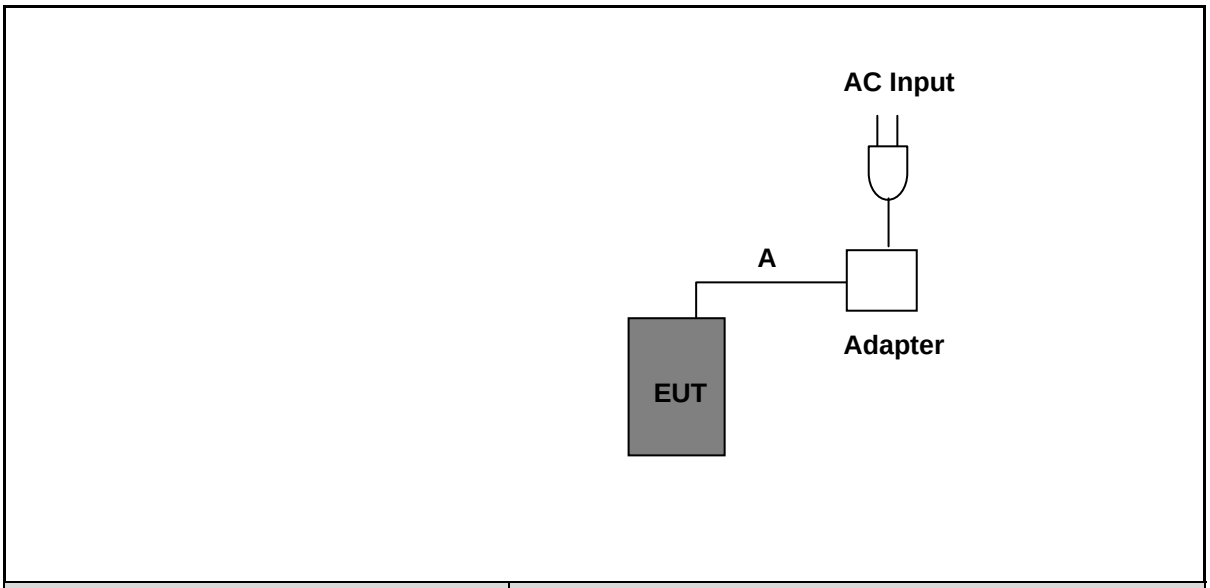
Preliminary tests were performed in different mode to find the worst case. The mode shown in the table below is the worst-case. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Mode	Multi-Class	Frequency (MHz)	Conducted Power (dBm)	Worst Case
GSM850	----	824.2	32.81	☐
		836.4	32.84	☐
		848.8	32.88	■
GPRS850	----	824.2	32.28	☐
		836.4	32.31	☐
		848.8	32.35	■
EGPRS850	----	824.2	26.31	☐
		836.4	26.30	☐
		848.8	26.33	■
PCS1900	----	1850.2	29.20	☐
		1880.0	29.32	■
		1909.8	29.25	☐
GSRS1900	----	1850.2	28.66	☐
		1880.0	28.77	■
		1909.8	28.68	☐
EGSRS1900	----	1850.2	24.73	☐
		1880.0	24.85	■
		1909.8	24.80	☐
Note: The EGPRS only test RF output power, EIRP/ERP and occupied bandwidth.				

1.3. EUT Exercise Software

1.	Setup the EUT and Base Station (CMU200) as shown on 3.3.
2.	Turn on the power of all equipment.
3.	EUT run test program can reads and writes data into and from USB storage.
4.	EUT turn on Bluetooth function link Bluetooth Headset

1.4. Configuration of Test System Details



Signal Cable Type		Signal cable Description
A	AC Power Cable	Cable out :Shielded, 1.25 m

Devices Description					
Product		Manufacturer	Model No.	Serial No.	Power Cord
1.	--	--	--	--	--

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	950-1000

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)	< $43+10\log_{10}$(P[Watts])	Pass
Conducted Emission	§2.1051 §22.917(a) §24.238(a)	RSS-132 (4.5.1) RSS-133 (6.5.1)	< $43+10\log_{10}$(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)	< $43+10\log_{10}$(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

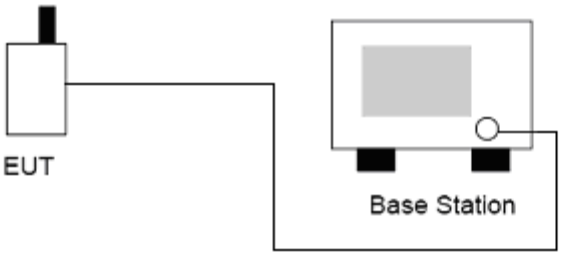
N/A

2.2. Test Instruments

Describe	Manufacturer	Model No.	Serial No.	Cal. Date
Universal Radio Communication Tester	ROHDE & SCHWARZ	CMU200	109369	07/29/2009
Test Site	ATL	TE02	TE02	N.C.R.

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 GPRS/EGPRS: PCL=5 and GPRS/EGPRS 1900: PCL=0.
3. 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		
Date of Test	01/25/2010	Test Site	TE02

Bands	Frequency (MHz)	Conducted Power		Result
		(dBm)	(W)	
GSM 850	824.2	32.81	1.910	Pass
	836.4	32.84	1.923	Pass
	848.8	32.88	1.941	Pass

Bands	Frequency (MHz)	Conducted Power		Result
		(dBm)	(W)	
PCS 1900	1850.20	29.20	0.832	Pass
	1880.00	29.32	0.855	Pass
	1909.80	29.25	0.841	Pass

Bands	Frequency (MHz)	Conducted Power		Result
		(dBm)	(W)	
GPRS 850	824.2	32.28	1.690	Pass
	836.4	32.31	1.702	Pass
	848.8	32.35	1.718	Pass

Bands	Frequency (MHz)	Conducted Power		Result
		(dBm)	(W)	
GPRS 1900	1850.20	28.66	0.735	Pass
	1880.00	28.77	0.753	Pass
	1909.80	28.68	0.738	Pass

Bands	Frequency (MHz)	Conducted Power		Result
		(dBm)	(W)	
EGPRS 850	824.2	26.31	0.428	Pass
	836.4	26.30	0.427	Pass
	848.8	26.33	0.430	Pass

Bands	Frequency (MHz)	Conducted Power		Result
		(dBm)	(W)	
EGPRS 1900	1850.20	24.73	0.297	Pass
	1880.00	24.85	0.305	Pass
	1909.80	24.80	0.302	Pass

Note: The 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.

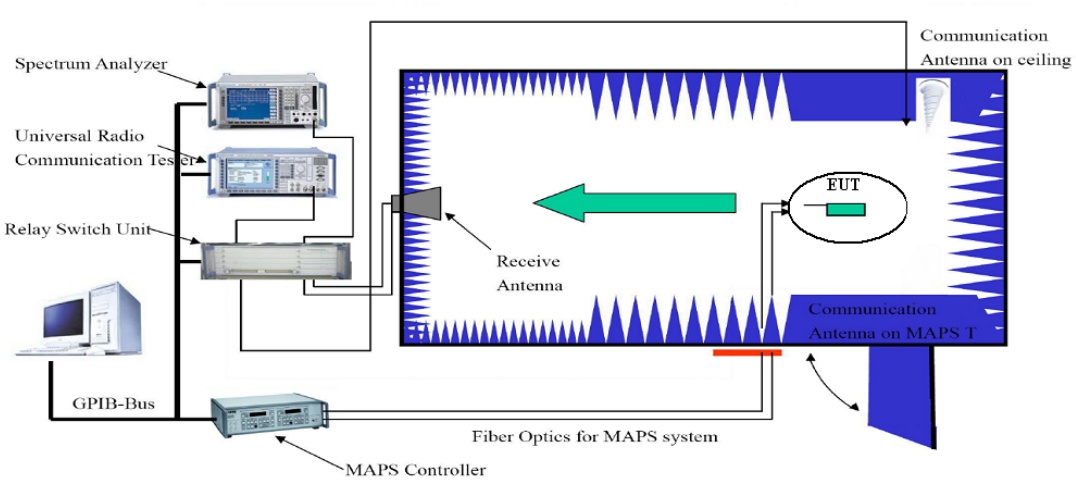
For FCC Part 24.232(b): The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 2 Watts.

3.2. Test Instruments

Describe	Manufacturer	Model No.	Serial No.	Cal. Date
Universal Radio Communication Tester	ROHDE & SCHWARZ	CMU200	109369	07/29/2009
Spectrum Analyzer	Agilent	E4445A	MY45300744	12/22/2008
Loop Dipole	ETS-Lindgren	3127-1880	00064239	02/05/2009
Loop Dipole	ETS-Lindgren	3127-836	00064352	02/19/2009
Sleeve Dipole	ETS-Lindgren	3126-1845	00083335	03/18/2009
Sleeve Dipole	ETS-Lindgren	3126-880	00052705	11/05/2009
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

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 GPRS/EGPRS 850 three frequencies (824.2, 836.6 and 848.8 MHz) and GPRS/EGPRS 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).

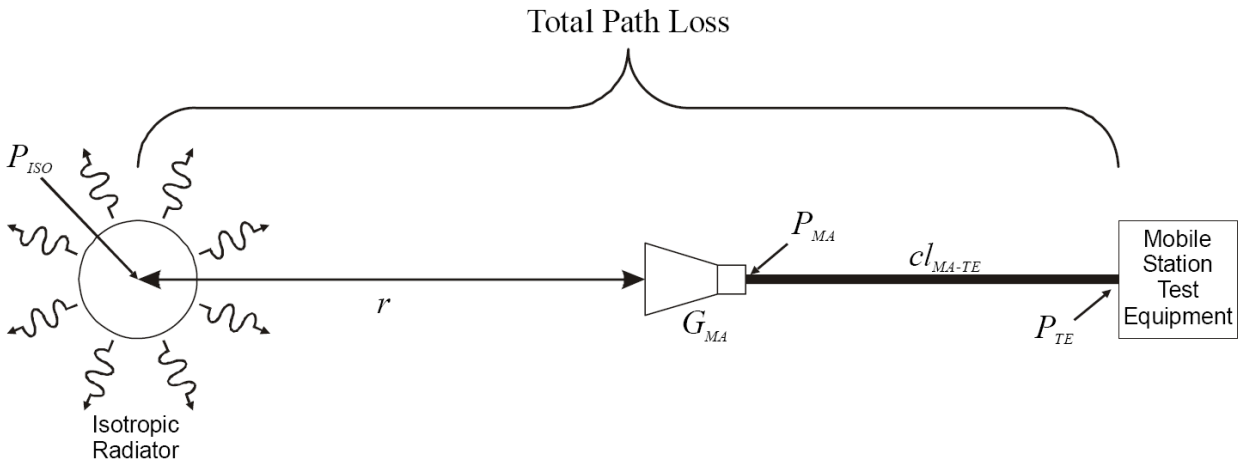


Figure 1. THEORETICAL CASE FOR DETERMINING PATH LOSS

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

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

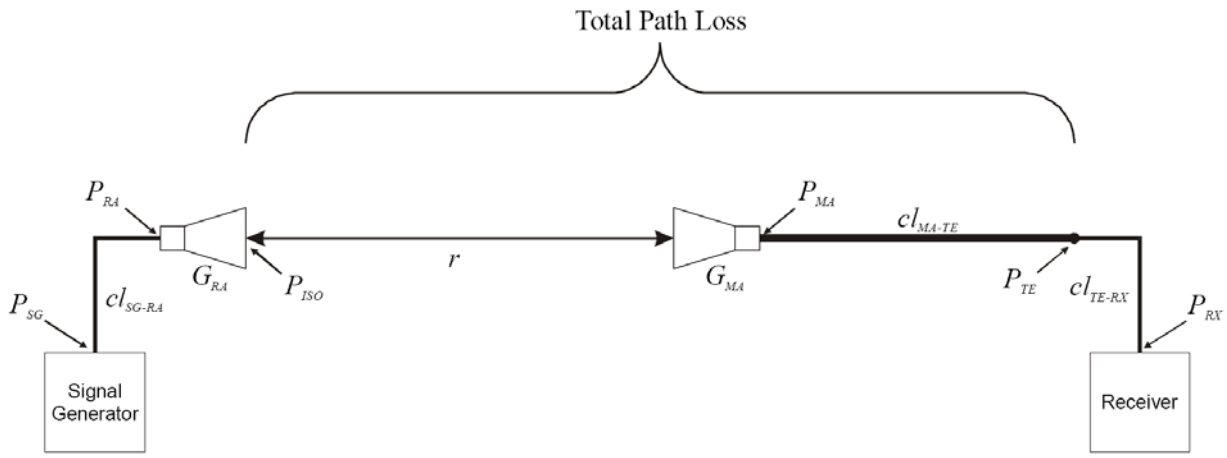


Figure 2. TYPICAL CONFIGURATION FOR MEASURING PATH LOSS

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

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

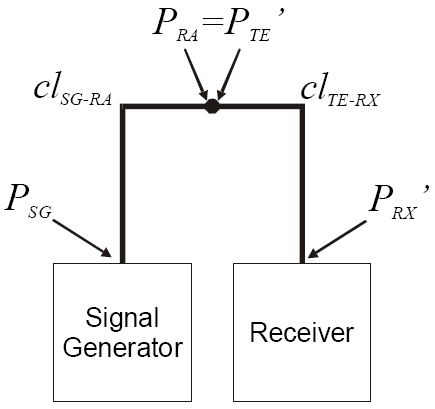


Figure 3. CABLE REFERENCE CALIBRATION CONFIGURATION

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		
Date of Test	01/05/2010	Test Site	TC03

Bands	Frequency (MHz)	Read Level (dBm)	Correction factor (dBm)	ERP		Result
				(dBm)	(W)	
GSM 850	824.2	74.78	-49.50	25.28	0.337	Pass
	836.4	75.08	-49.70	25.38	0.345	Pass
	848.8	75.14	-49.70	25.44	0.350	Pass

Bands	Frequency (MHz)	Read Level (dBm)	Correction factor (dBm)	EIRP		Result
				(dBm)	(W)	
PCS 1900	1850.20	84.92	-55.40	29.52	0.895	Pass
	1880.00	85.39	-55.60	29.79	0.953	Pass
	1909.80	85.36	-55.70	29.66	0.925	Pass

Bands	Frequency (MHz)	Read Level (dBm)	Correction factor (dBm)	ERP		Result
				(dBm)	(W)	
EGPRS 850	824.2	68.33	-49.50	18.83	0.076	Pass
	836.4	68.48	-49.70	18.78	0.076	Pass
	848.8	68.63	-49.70	18.93	0.078	Pass

Bands	Frequency (MHz)	Read Level (dBm)	Correction factor (dBm)	EIRP		Result
				(dBm)	(W)	
EGPRS 1900	1850.20	80.48	-55.40	25.08	0.322	Pass
	1880.00	80.87	-55.60	25.27	0.337	Pass
	1909.80	80.90	-55.70	25.20	0.331	Pass

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

2. 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.

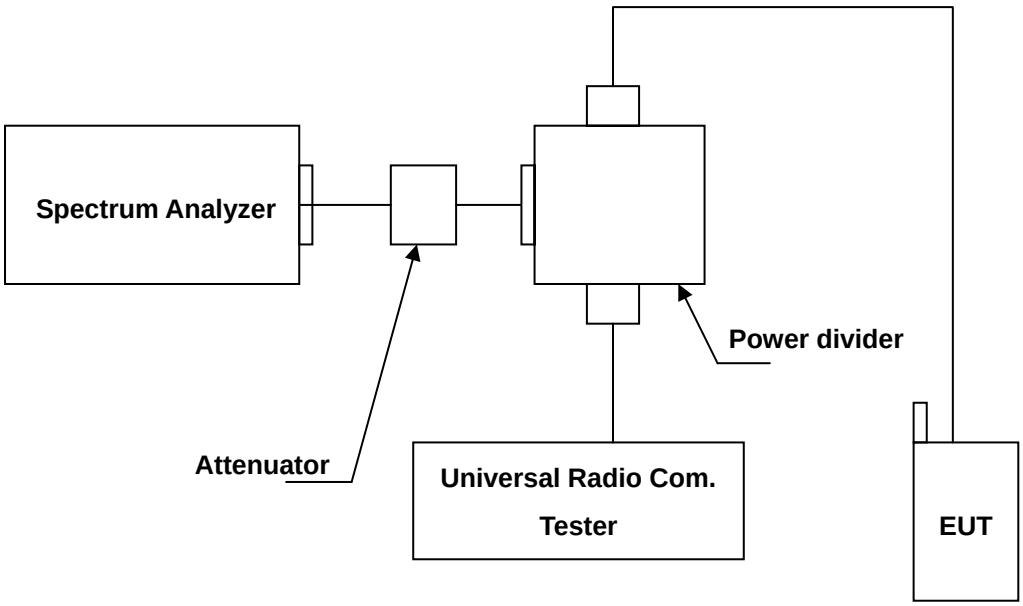
The Band Edge Limit:

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 + 10log(P) dB.

4.2. Test Instruments

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

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=10 kHz for GPRS/EGPRS 850 and GPRS/EGPRS 1900.

4.5. Uncertainty

The measurement uncertainty is defined as ± 10Hz

4.6. Test Result

99% Occupied Bandwidth

Product	Smartphone		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: GSM850 Link		
Date of Test	12/30/2009	Test Site	TE02

Channel No.	Frequency (MHz)	99% Occupied Bandwidth (kHz)	Note
128	824.2	243.9124	RBW:3KHz , VBW:10KHz
190	836.4	243.2879	RBW:3KHz , VBW:10KHz
251	848.8	245.3375	RBW:3KHz , VBW:10KHz

Figure Channel 128

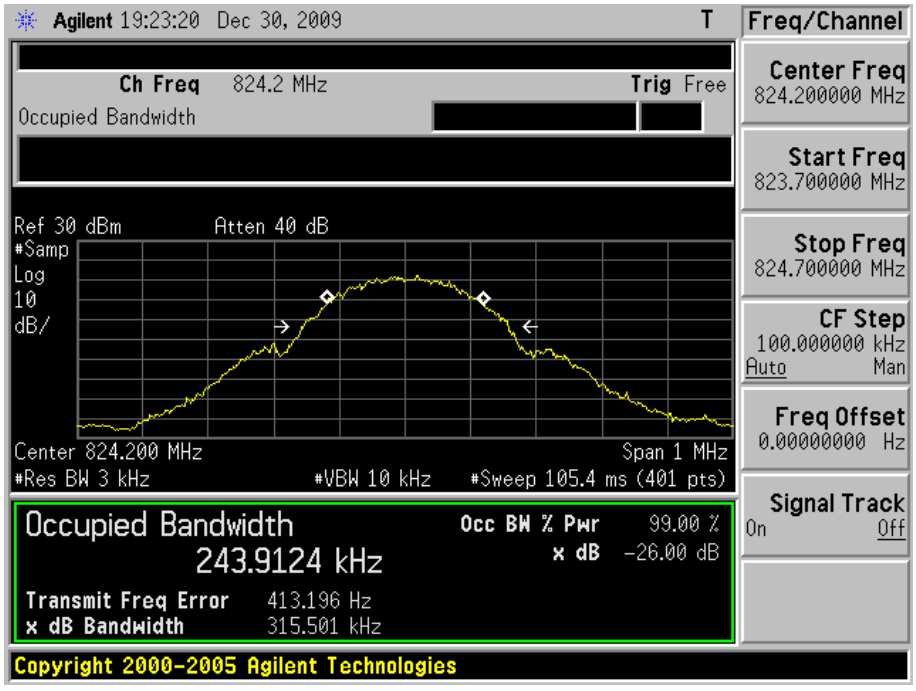


Figure Channel 190

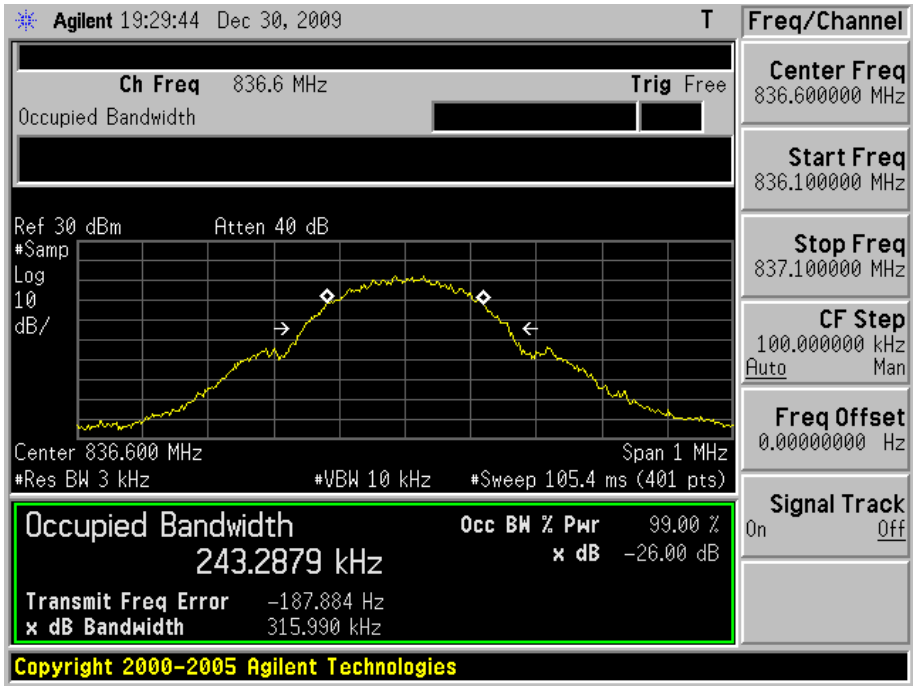
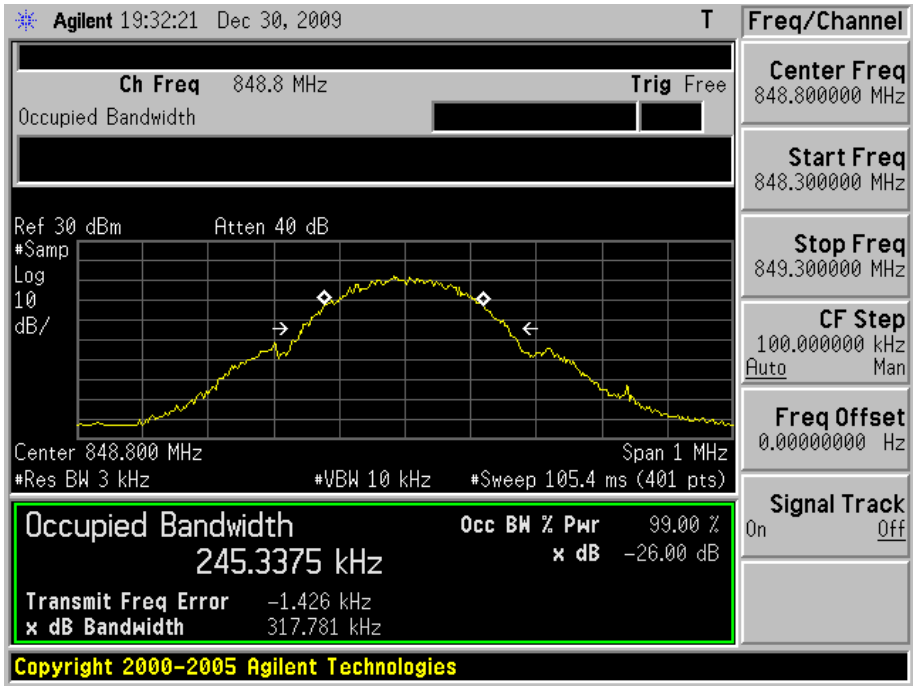


Figure Channel 251



Product	Smartphone		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: PCS1900 Link		
Date of Test	12/30/2009	Test Site	TE02

Channel No.	Frequency (MHz)	99% Occupied Bandwidth (kHz)	Note
512	1850.20	243.9429	RBW:3KHz , VBW:10KHz
661	1880.00	245.5190	RBW:3KHz , VBW:10KHz
810	1909.80	243.4100	RBW:3KHz , VBW:10KHz

Figure Channel 512

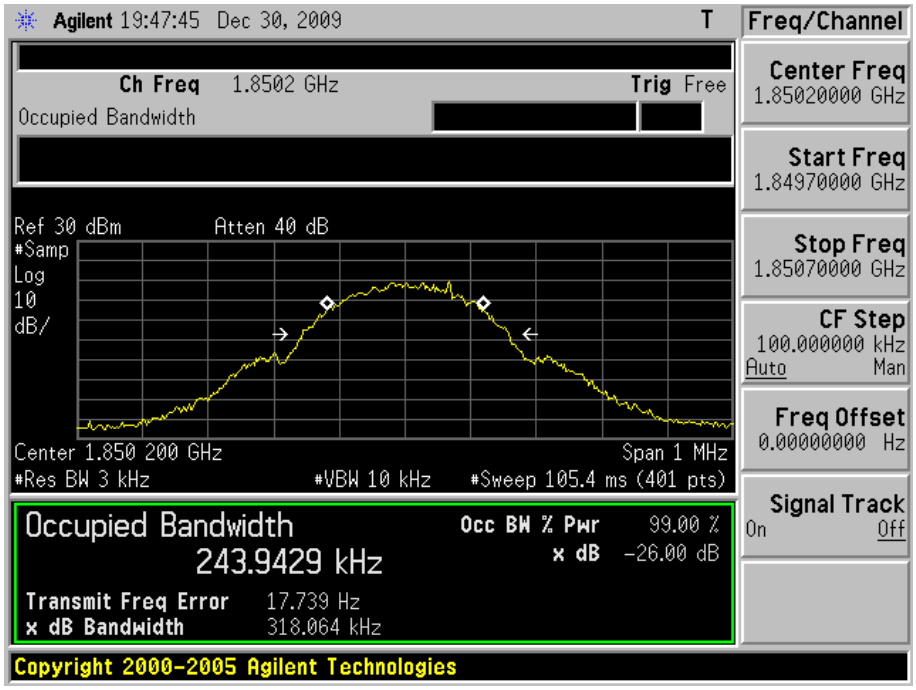


Figure Channel 661

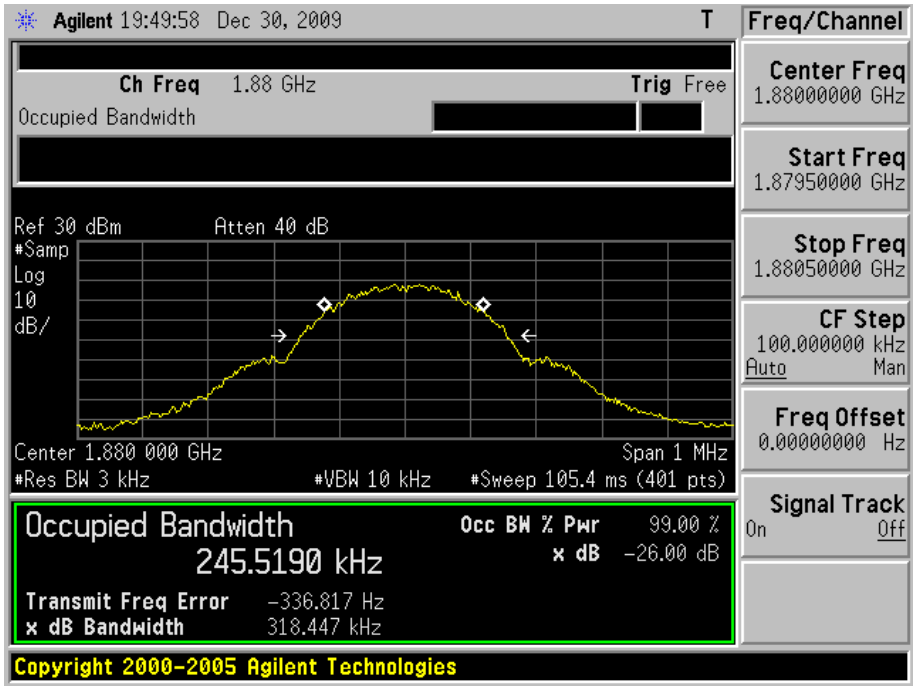
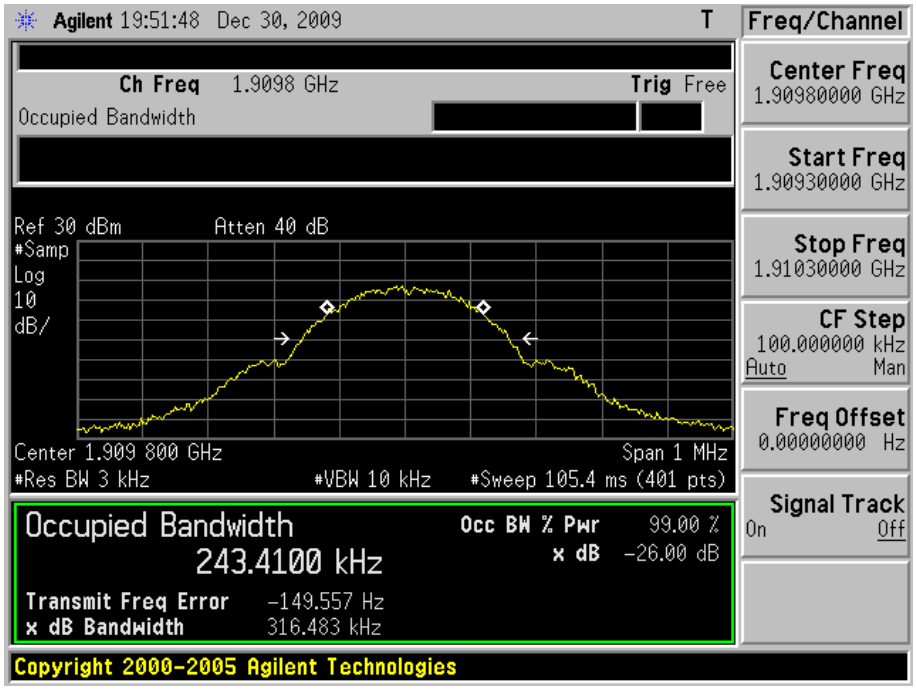


Figure Channel 810



Product	Smartphone		
Test Item	Occupied Bandwidth(EDGE)		
Test Mode	Mode 3: EGPRS850 Link		
Date of Test	12/30/2009	Test Site	TE02

Channel No.	Frequency (MHz)	99% Occupied Bandwidth (kHz)	Note
128	824.2	244.6909	RBW:3KHz , VBW:10KHz
190	836.4	243.5816	RBW:3KHz , VBW:10KHz
251	848.8	241.8294	RBW:3KHz , VBW:10KHz

Figure Channel 128

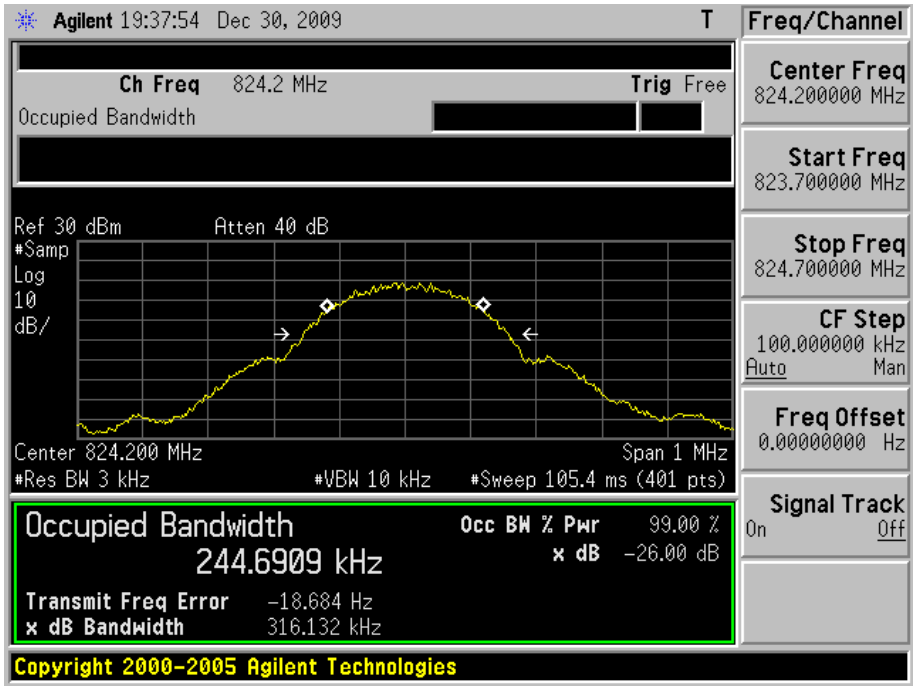


Figure Channel 190

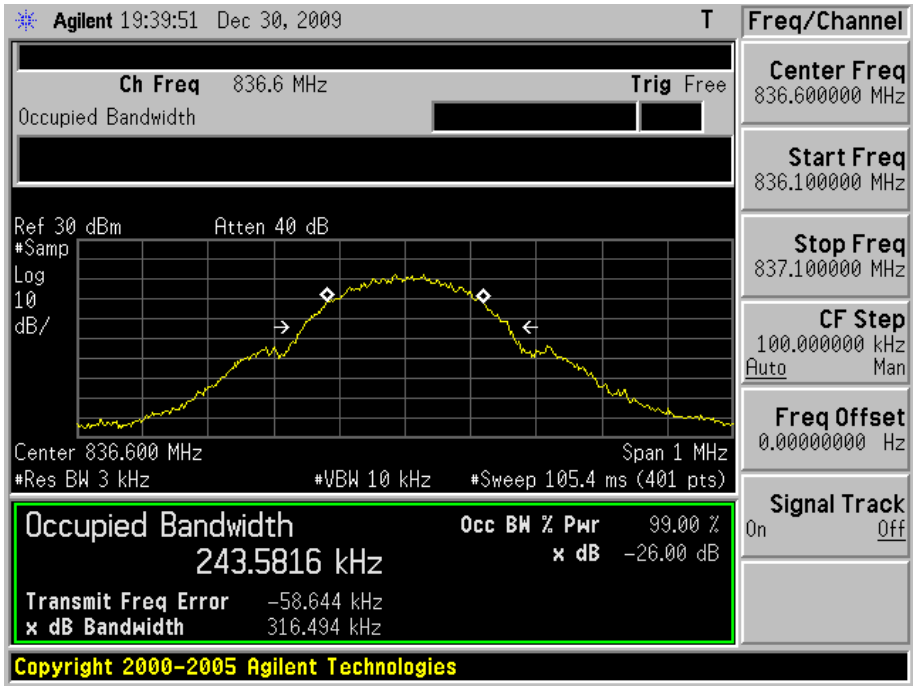
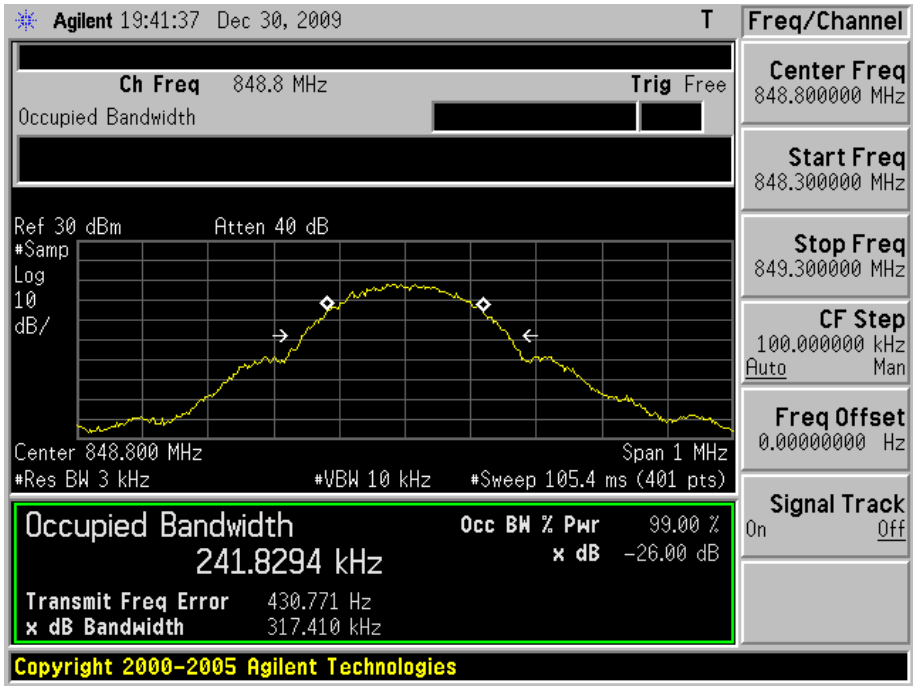


Figure Channel 251



Product	Smartphone		
Test Item	Occupied Bandwidth(EDGE)		
Test Mode	Mode 4: EGPRS1900 Link		
Date of Test	12/30/2009	Test Site	TE02

Channel No.	Frequency (MHz)	99% Occupied Bandwidth (kHz)	Note
512	1850.20	245.2881	RBW:3KHz , VBW:10KHz
661	1880.00	245.3712	RBW:3KHz , VBW:10KHz
810	1909.80	247.5102	RBW:3KHz , VBW:10KHz

Figure Channel 512

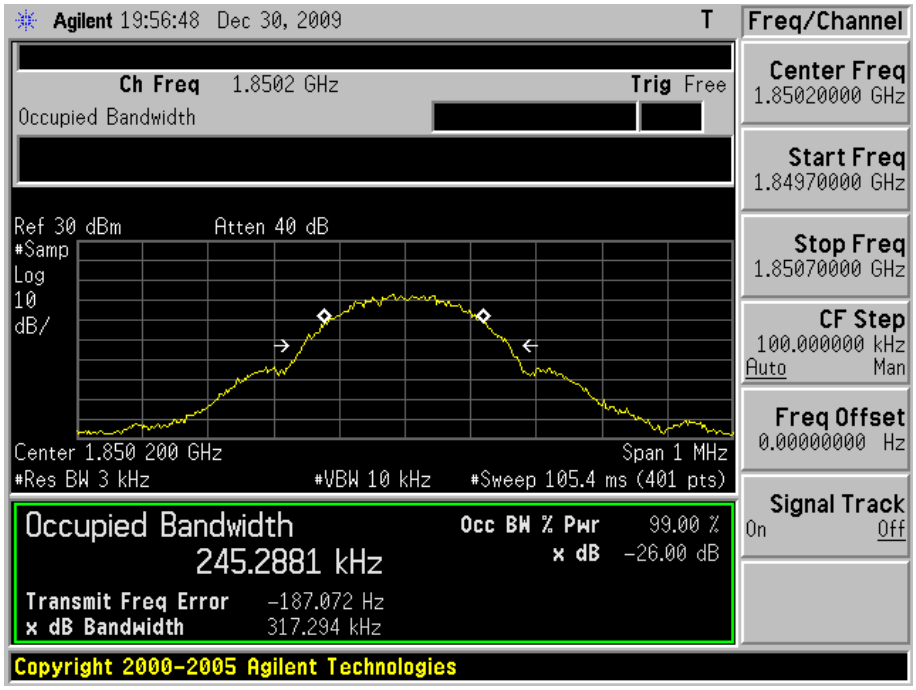


Figure Channel 661

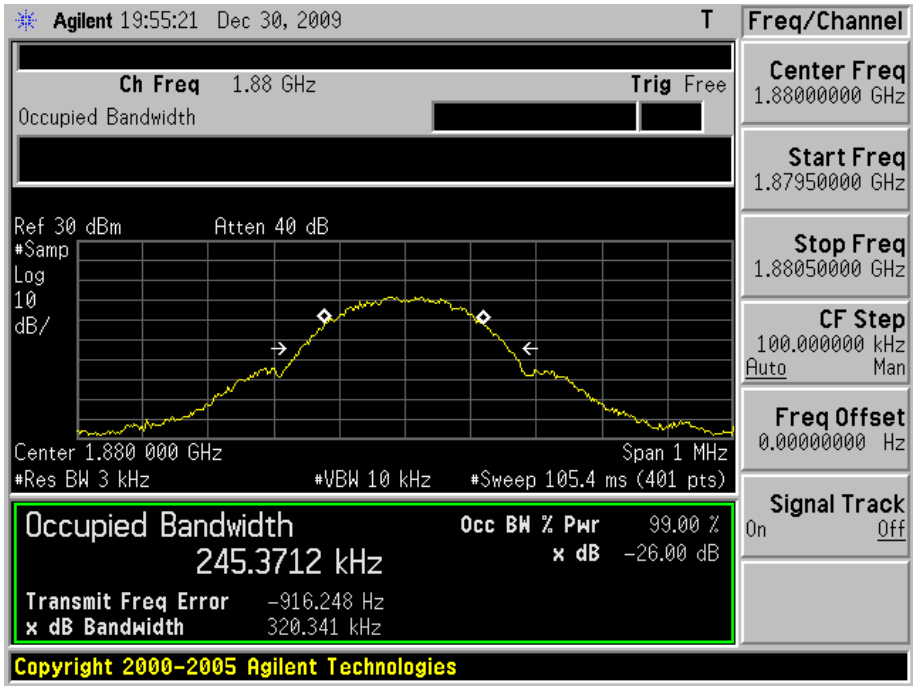
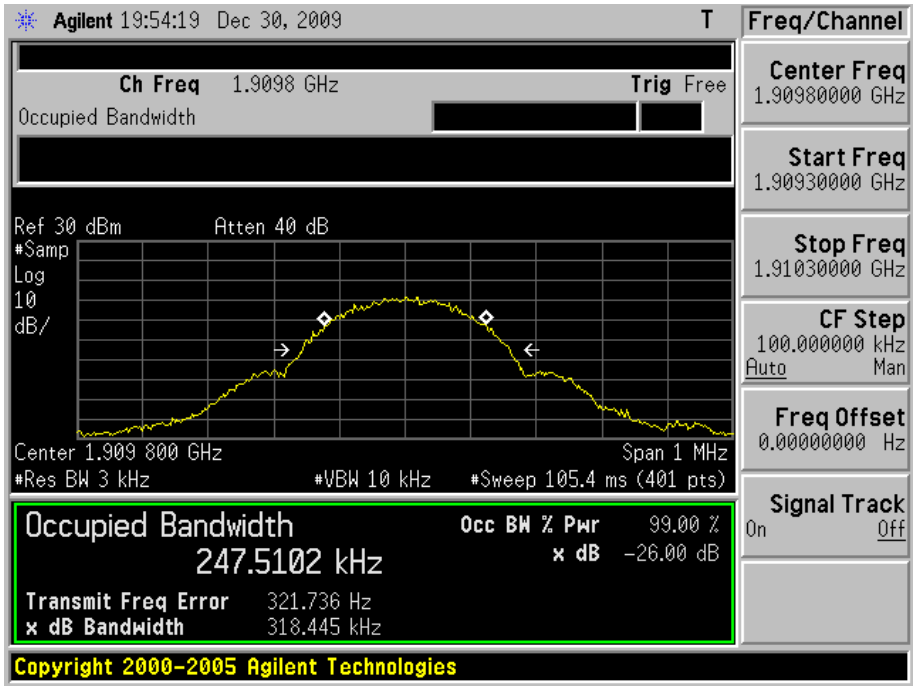


Figure Channel 810

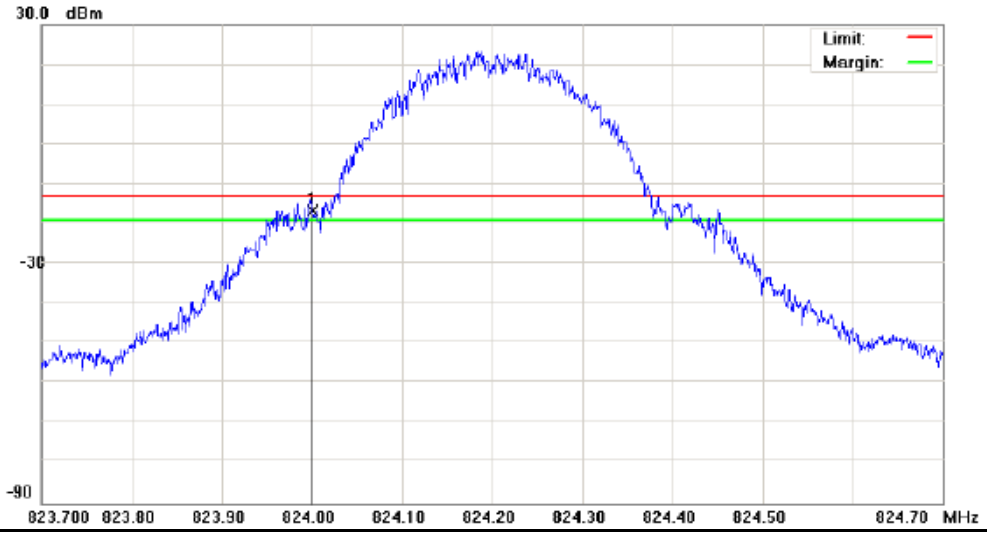


Band Edge

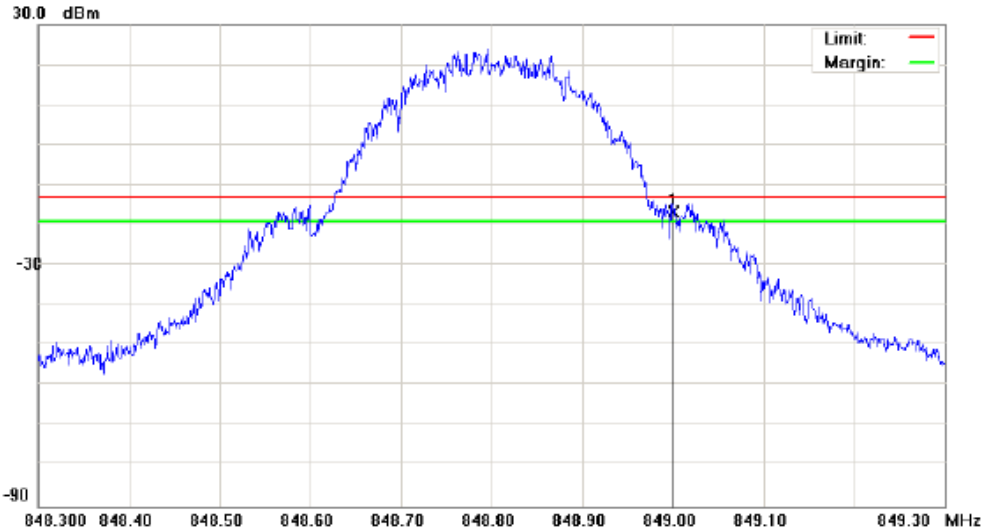
Product	Smartphone		
Test Item	Band Edge		
Test Mode	Mode 1: GSM850 Link		
Date of Test	12/30/2009	Test Site	TE02

Band	Channel	Frequency (MHz)	Band Edge (dBm)	Limit (dBm)	Result
Lower	128	824.0000	-16.66	-13	Pass
Higher	251	849.0000	-16.54	-13	Pass

Lower Band



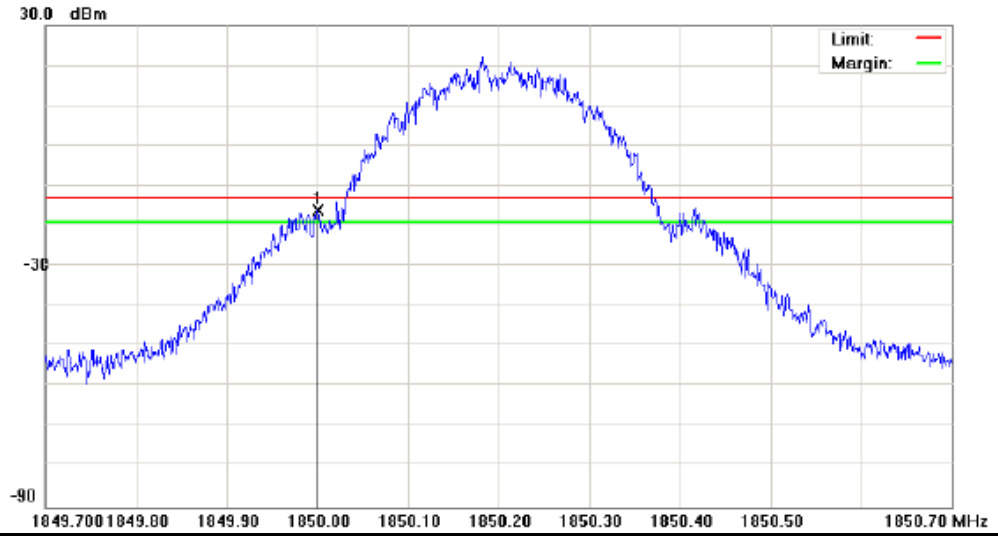
Higher Band



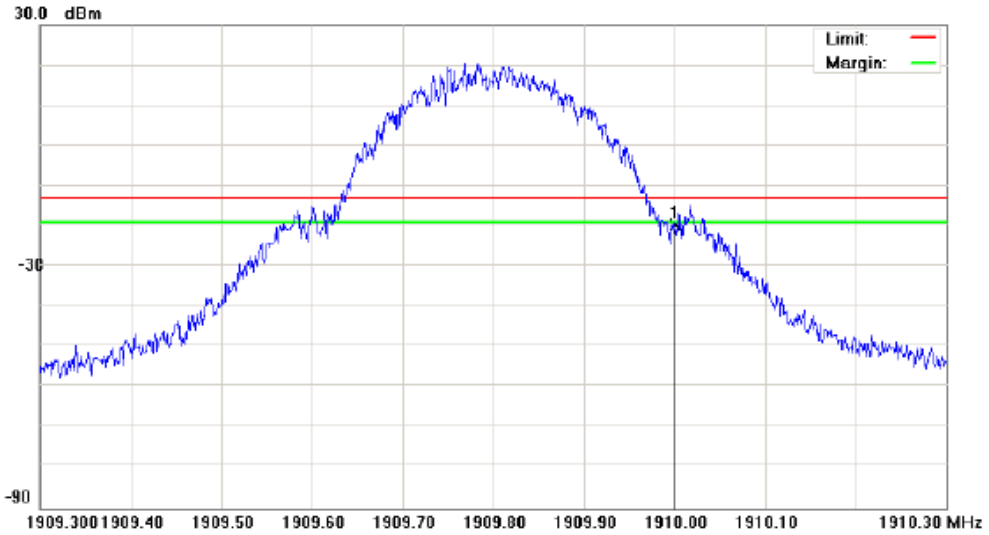
Product	Smartphone		
Test Item	Band Edge		
Test Mode	Mode 2: PCS1900 Link		
Date of Test	12/30/2009	Test Site	TE02

Band	Channel	Frequency (MHz)	Band Edge (dBm)	Limit (dBm)	Result
Lower	512	1850.000	-15.97	-13	Pass
Higher	810	1910.000	-19.67	-13	Pass

Lower Band



Higher Band



5 Conducted Emission Test

5.1. Limit

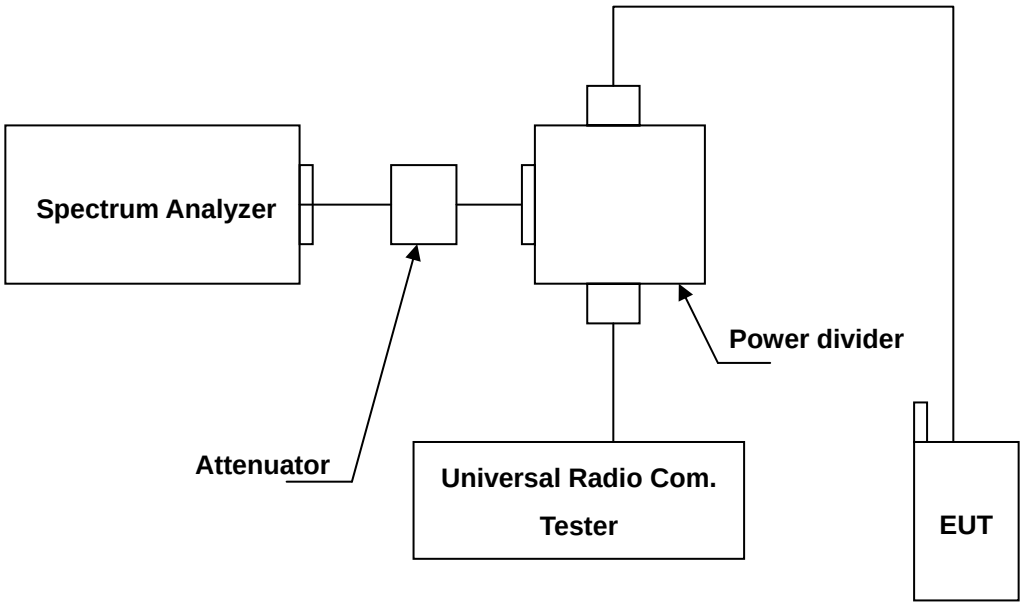
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

5.2. Test Instruments

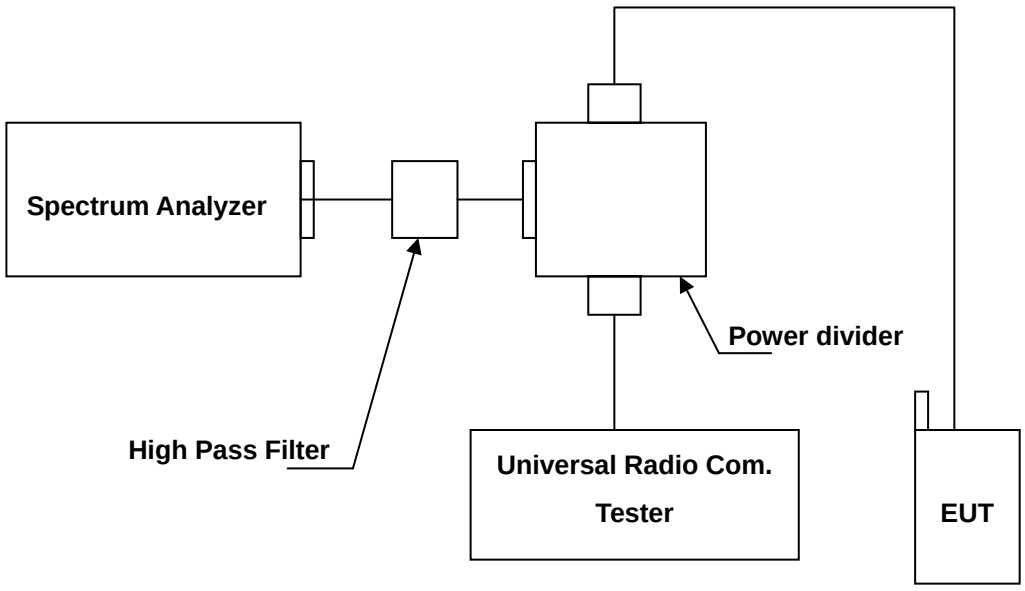
Describe	Manufacturer	Model No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4408A	MY45107753	06/23/2009
Universal Radio Communication Tester	ROHDE & SCHWARZ	CMU200	109369	07/29/2009
Attenuator	RADIALL	R41572000	0603033073	N.C.R.
Power divider	Agilent	87302C	3239A00760	N.C.R.
Test Site	ATL	TE02	TE02	N.C.R.

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 GPRS/EGPRS 850 RB>100 kHz, VB>100 kHz; GPRS/EGPRS 1900 RB>1MHz, VB>1MHz.

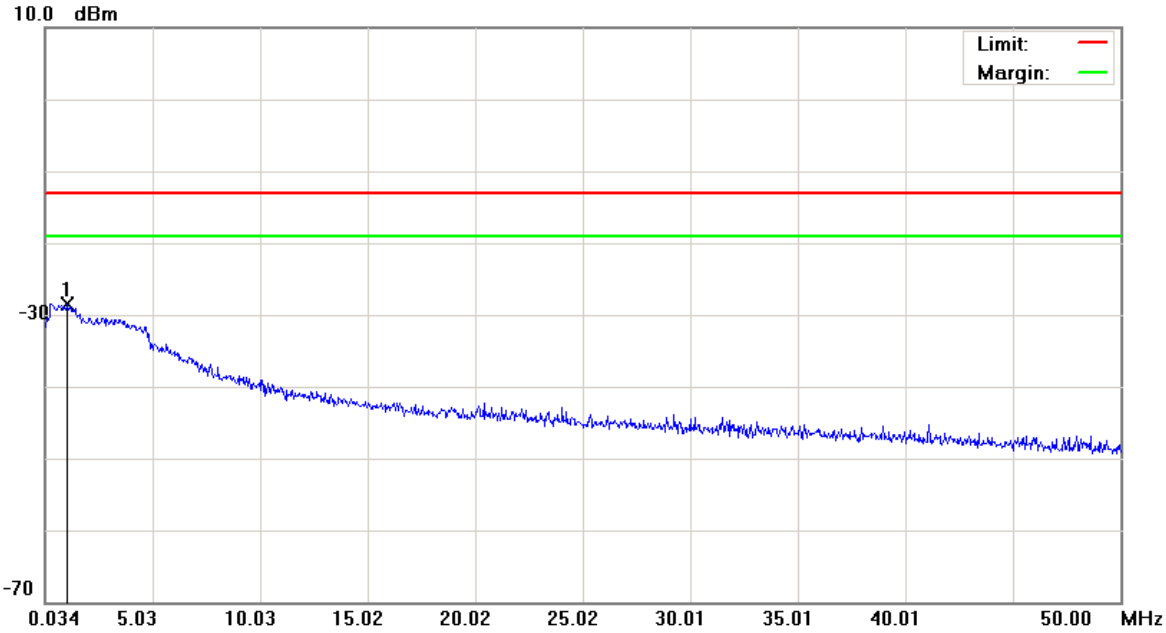
5.5. Uncertainty

The measurement uncertainty is evaluated as ± 2.24 dB.

5.6. Test Result

Product	Smartphone		
Test Item	Conducted Emission		
Mode	Mode 1: GSM850 Link Mode 2: PCS1900 Link		
Date of Test	12/30/2009	Test Site	TE02

File :PB76100(CH128) Data :#1 Date:2009/12/30 Time: PM 08:58:04



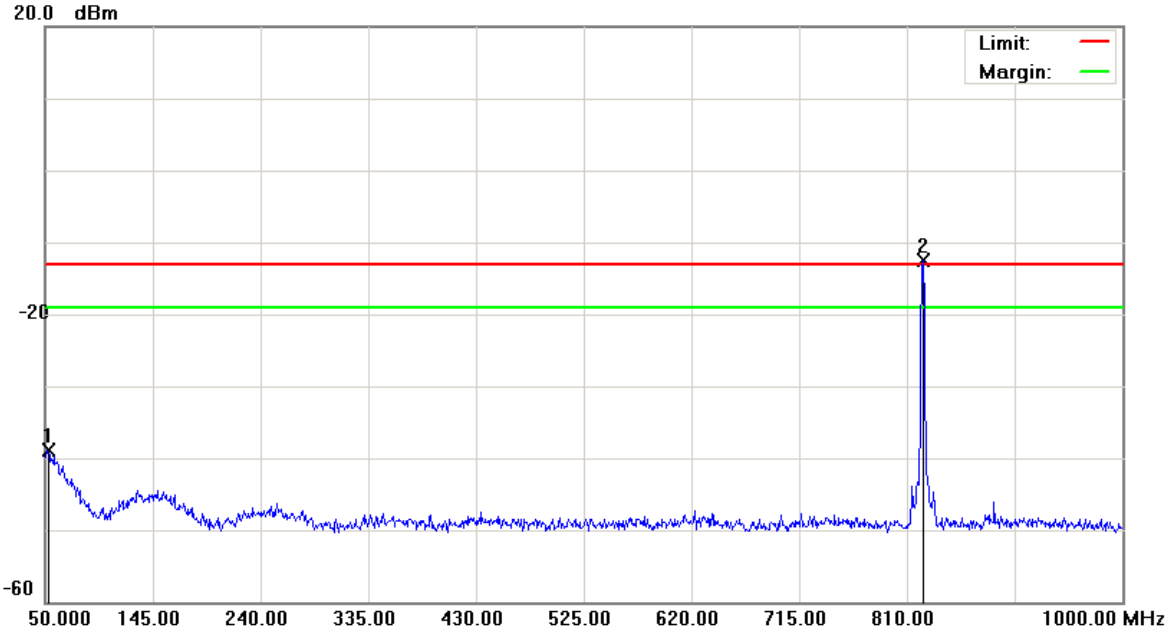
Site:	:Conduction	Polarization:	***Conducted po***
Limit:	FCC Part 22 conducted(9k-12.75G)	Power:	AC 120V/60Hz
EUT:	Smartphone	Distance:	
M/N:	PB76100		
Mode:	2		
Note:	CH128(824.2MHz)		

Temperature:	26 ℃
Humidity:	55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1.0586	-60.56	31.97	-28.59	-13.00	-15.59	peak			

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

File :PB76100(CH128) Data :#2 Date: 2009/12/30 Time: PM 08:58:29



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 2
Note: CH128(824.2MHz)

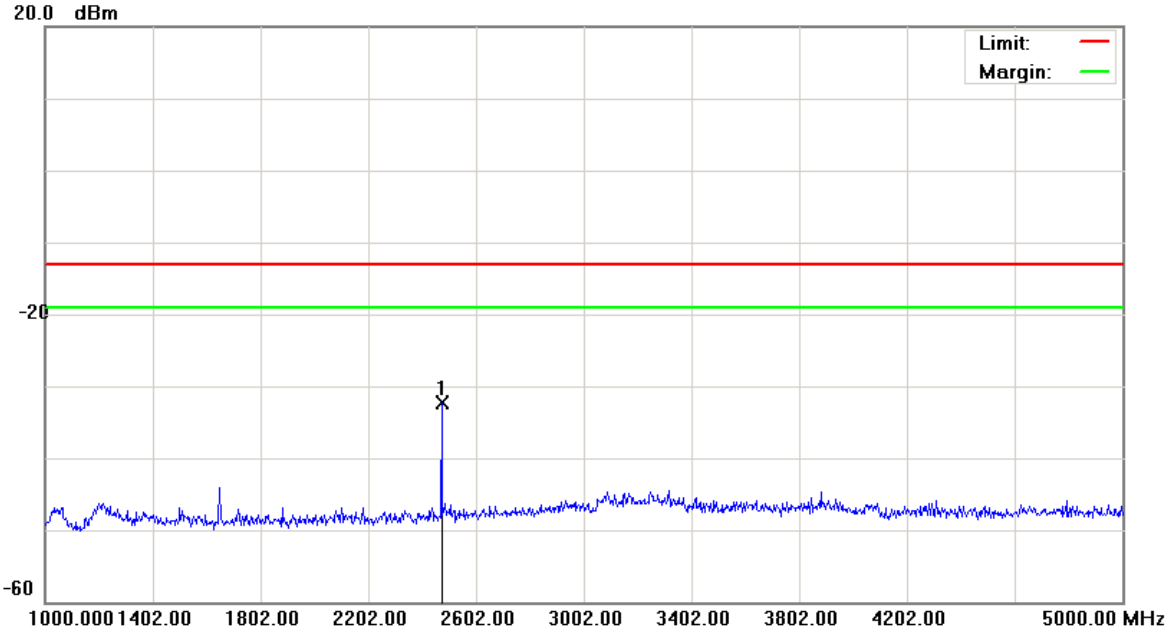
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		52.3750	-53.16	14.27	-38.89	-13.00	-25.89	peak			
2	*	824.2500	-16.32	3.84	-12.48	-13.00	0.52	peak			TX

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

File :PB76100(CH128) Data :#3 Date: 2009/12/30 Time: PM 09:19:42



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 2
Note: CH128(824.2MHz)

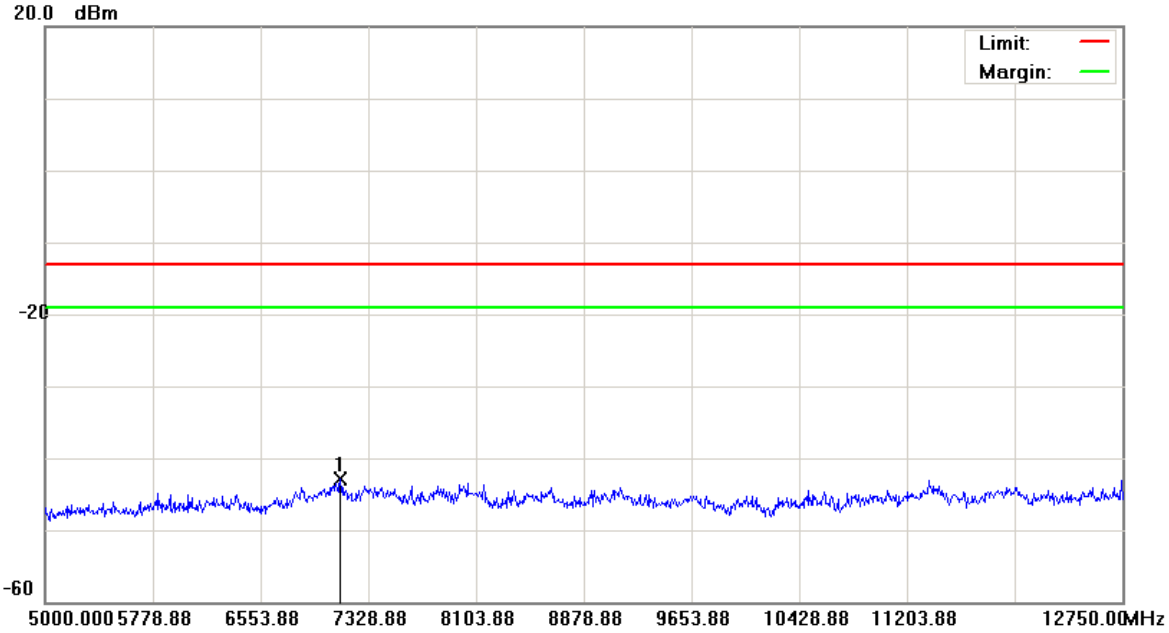
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2472.000	-36.69	4.45	-32.24	-13.00	-19.24	peak			

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

File :PB76100(CH128) Data :#4 Date: 2009/12/30 Time: PM 09:20:06



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 2
Note: CH128(824.2MHz)

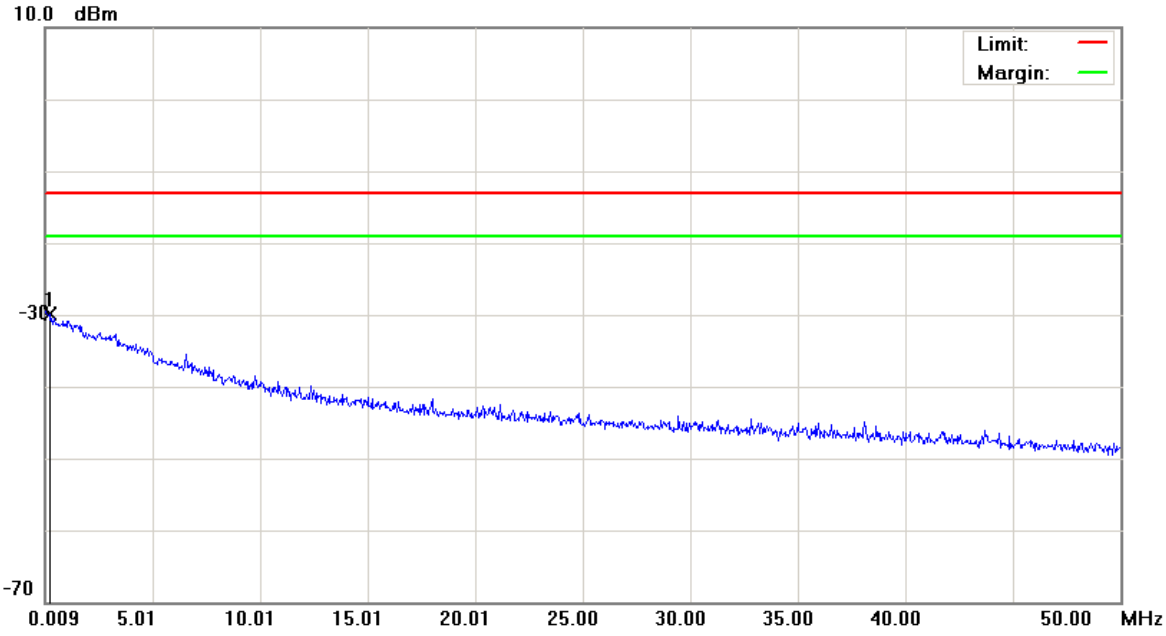
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	7123.500	-48.09	5.18	-42.91	-13.00	-29.91	peak			

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

File :PB76100(CH190) Data :#1 Date:2009/12/30 Time: PM 09:03:41



Site: : Conduction
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 2
Note: CH190(836.6MHz)

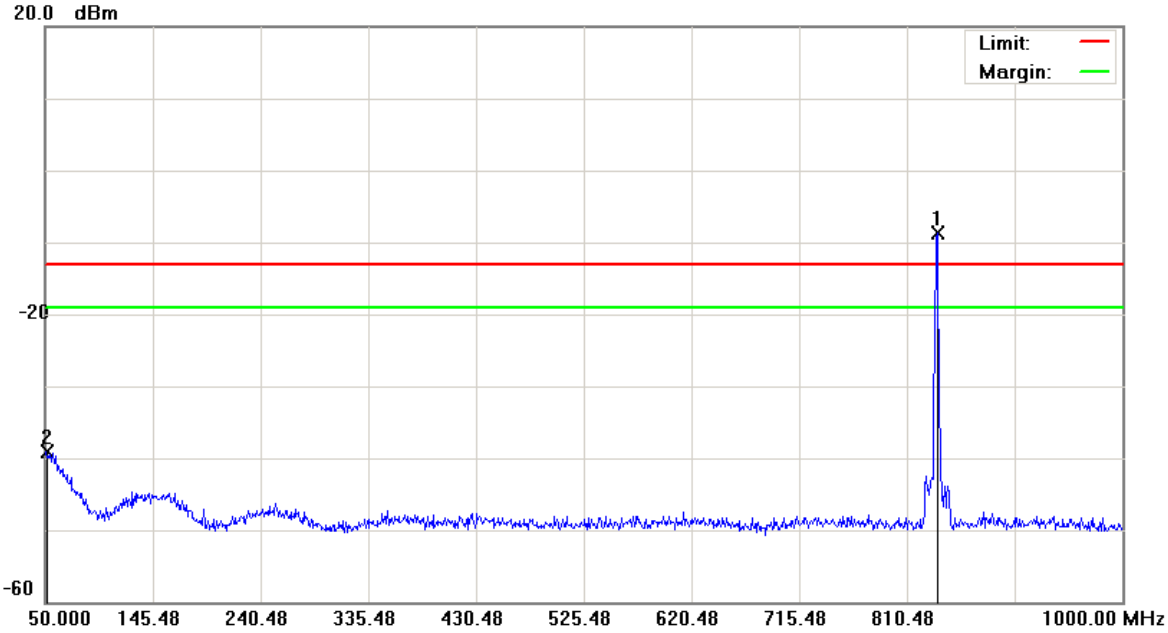
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	0.2340	-61.05	31.20	-29.85	-13.00	-16.85	peak			

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

File :PB76100(CH190) Data :#2 Date: 2009/12/30 Time: PM 09:04:05



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 2
Note: CH190(836.6MHz)

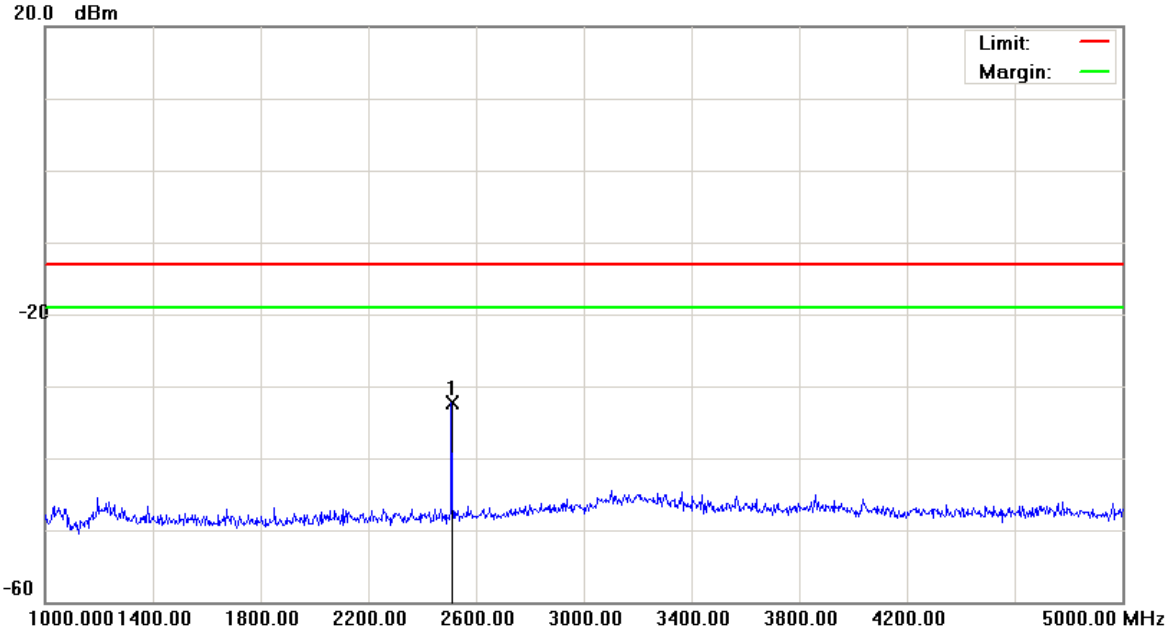
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	836.6000	-12.63	3.96	-8.67	-13.00	4.33	peak			TX
2		51.4250	-53.57	14.44	-39.13	-13.00	-26.13	peak			

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

File :PB76100(CH190) Data :#3 Date: 2009/12/30 Time: PM 09:21:47

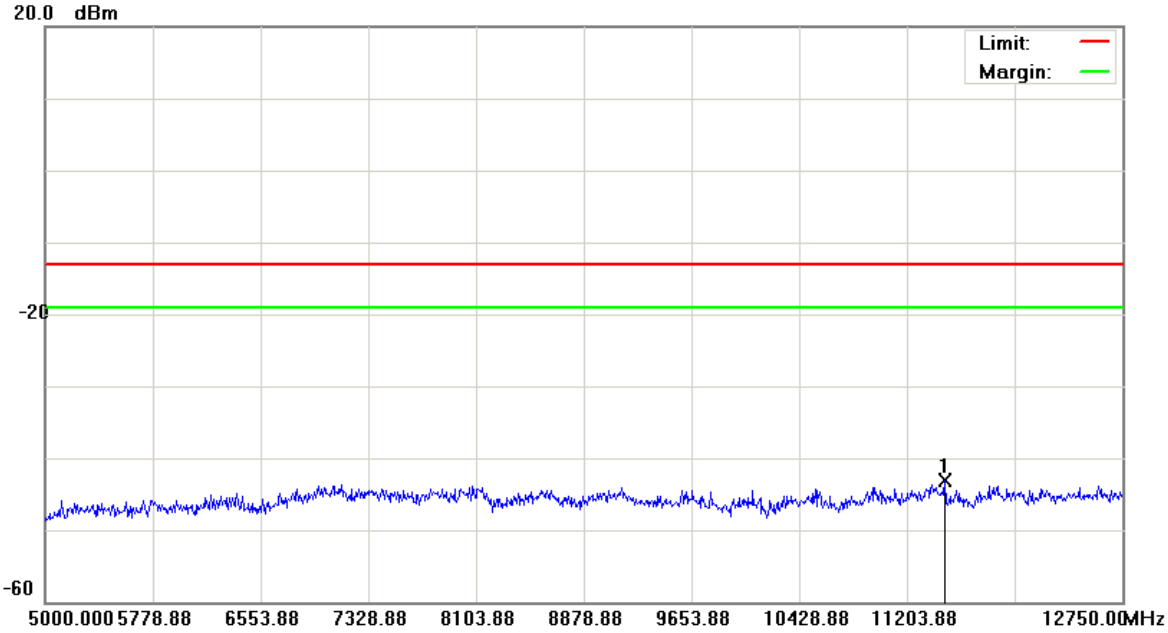


Site: : RF Conducted	Polarization:	***Conducted po***	Temperature: 26 ℃
Limit: FCC Part 22 conducted(9k-12.75G)	Power:	AC 120V/60Hz	Humidity: 55 %
EUT: Smartphone	Distance:		
M/N: PB76100			
Mode: 2			
Note: CH190(836.6MHz)			

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2510.000	-36.74	4.36	-32.38	-13.00	-19.38	peak			

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

File :PB76100(CH190) Data :#4 Date: 2009/12/30 Time: PM 09:22:10



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 2
Note: CH190(836.6MHz)

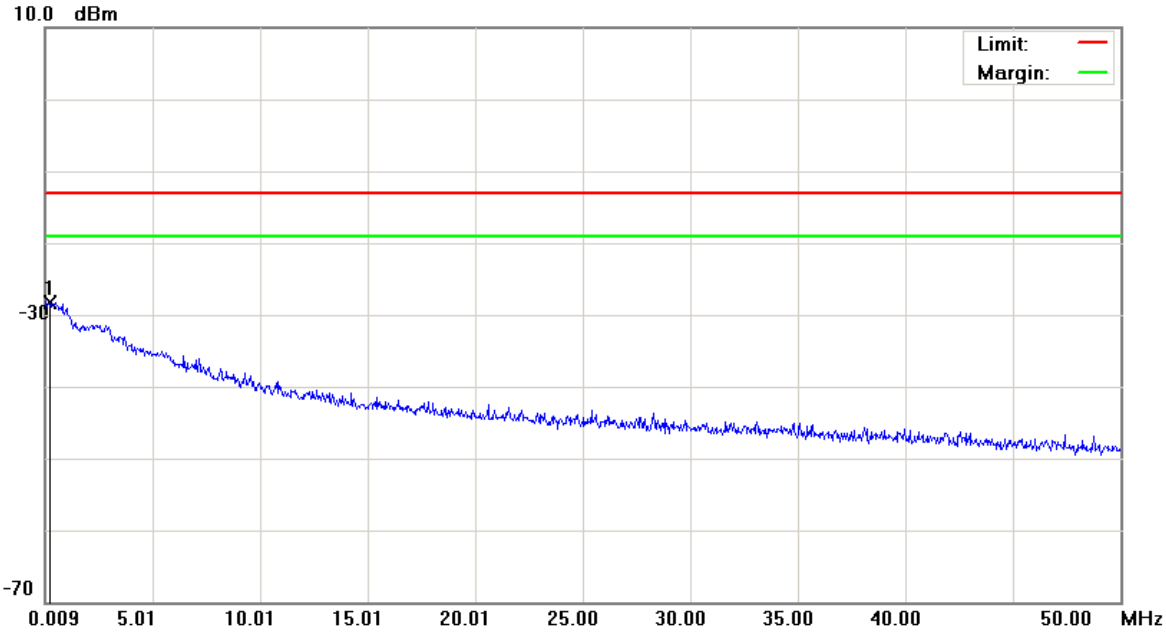
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	11471.250	-48.37	5.21	-43.16	-13.00	-30.16	peak			

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

File :PB76100(CH251) Data :#1 Date:2009/12/30 Time: PM 09:11:08



Site: : Conduction
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 2
Note: CH251(848.8MHz)

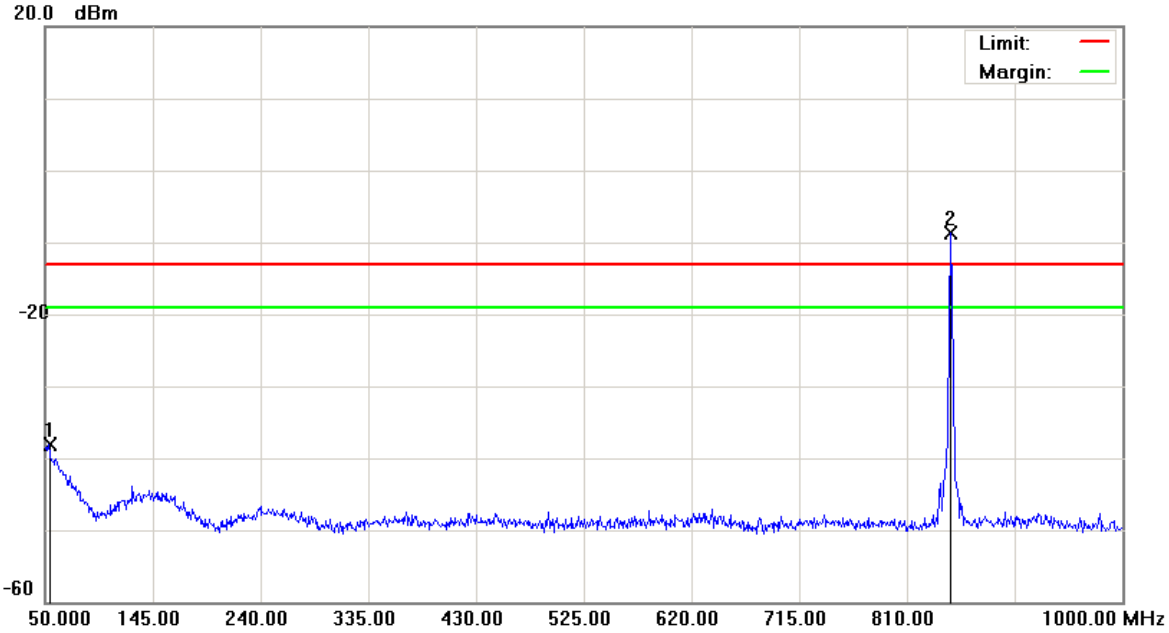
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	0.2090	-59.20	30.99	-28.21	-13.00	-15.21	peak			

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

File :PB76100(CH251) Data :#2 Date: 2009/12/30 Time: PM 09:11:32



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 2
Note: CH251(848.8MHz)

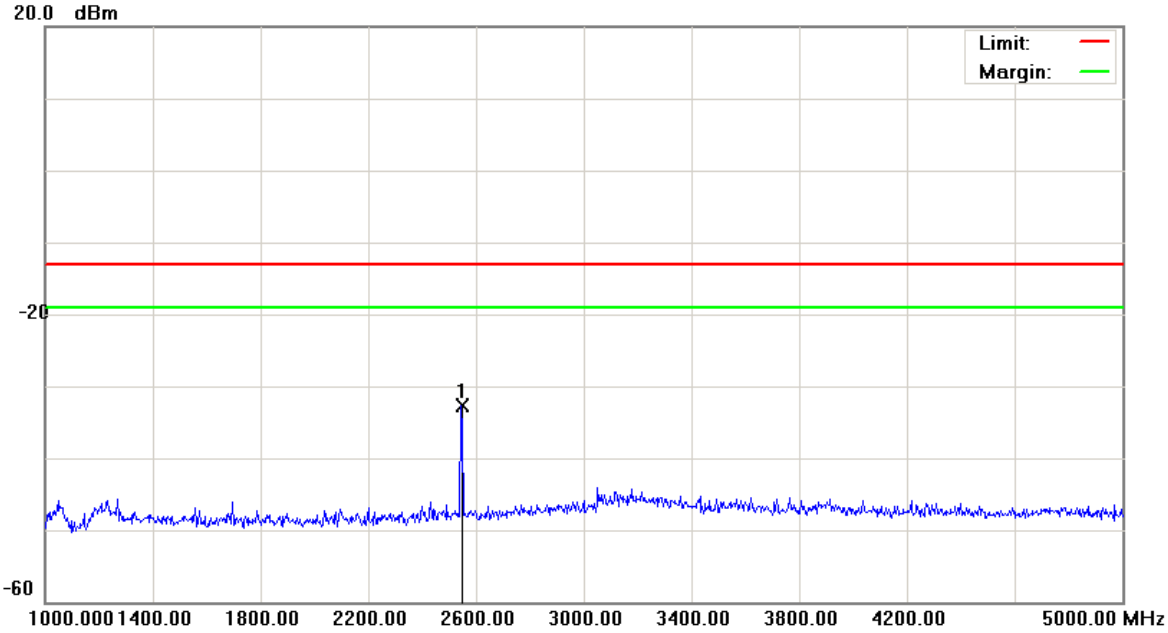
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		53.3250	-52.19	14.10	-38.09	-13.00	-25.09	peak			
2	*	848.9500	-12.76	3.98	-8.78	-13.00	4.22	peak			TX

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

File :PB76100(CH251) Data :#3 Date: 2009/12/30 Time: PM 09:23:08

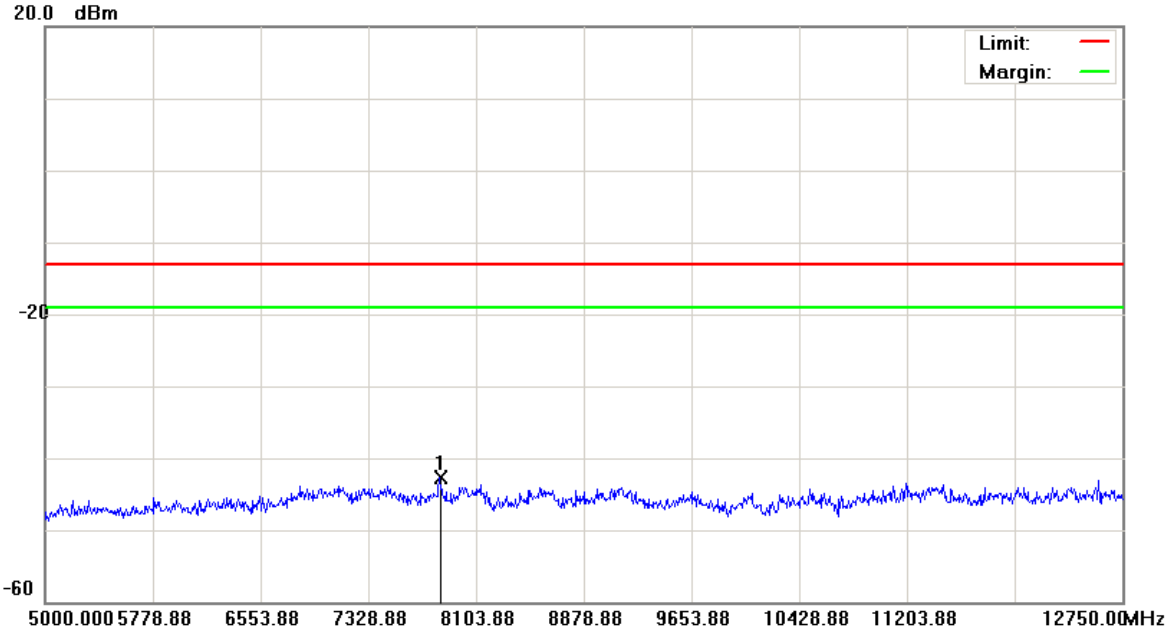


Site: : RF Conducted	Polarization:	***Conducted po***	Temperature: 26 ℃
Limit: FCC Part 22 conducted(9k-12.75G)	Power:	AC 120V/60Hz	Humidity: 55 %
EUT: Smartphone	Distance:		
M/N: PB76100			
Mode: 2			
Note: CH251(848.8MHz)			

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2546.000	-37.23	4.45	-32.78	-13.00	-19.78	peak			

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

File :PB76100(CH251) Data :#4 Date: 2009/12/30 Time: PM 09:23:31



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 2
Note: CH251(848.8MHz)

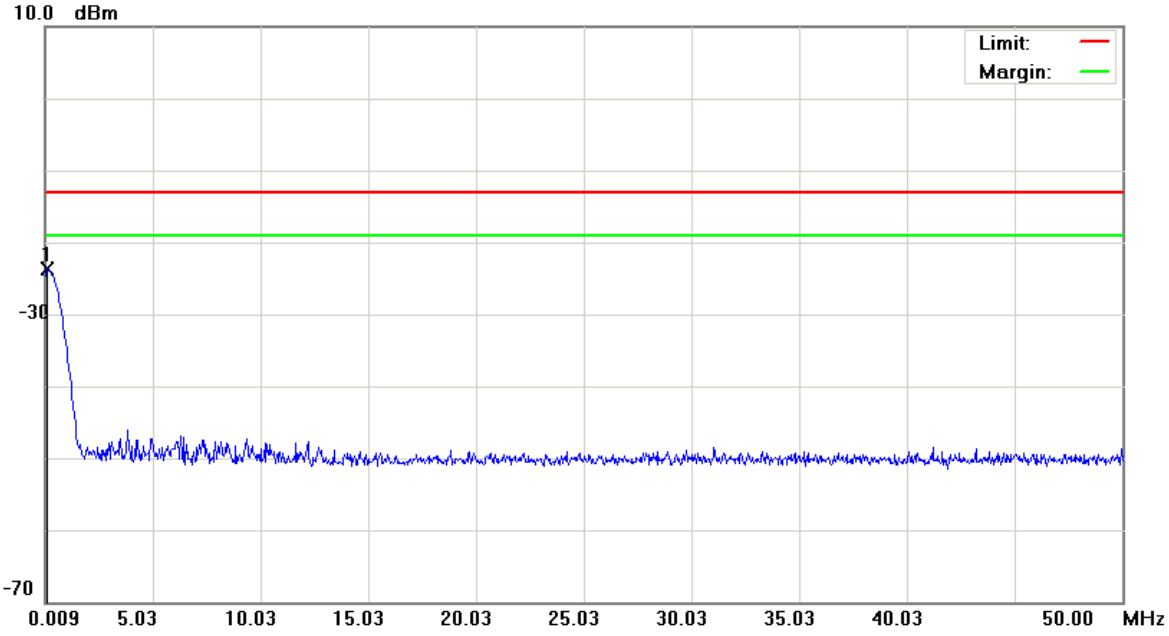
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	7840.375	-48.30	5.58	-42.72	-13.00	-29.72	peak			

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

File :PB76100(CH512) Data :#1 Date: 2009/12/30 Time: PM 10:31:00



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 3
Note: CH512(1850.2MHz)

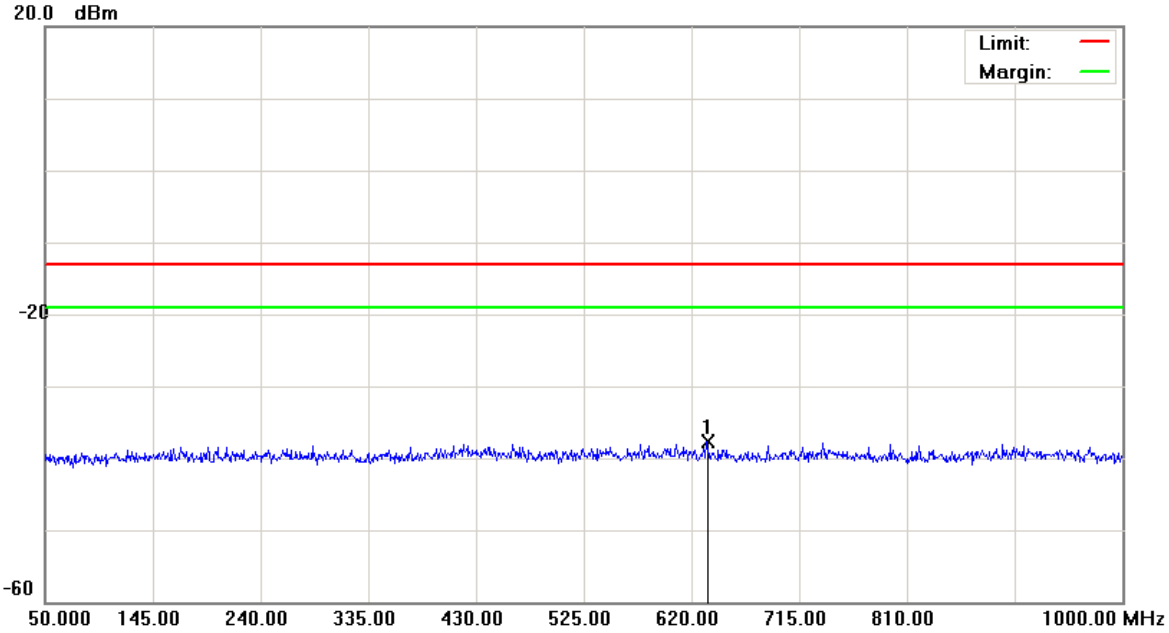
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	0.1090	-36.14	12.49	-23.65	-13.00	-10.65	peak			

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

File :PB76100(CH512) Data :#2 Date: 2009/12/30 Time: PM 10:31:24



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 3
Note: CH512(1850.2MHz)

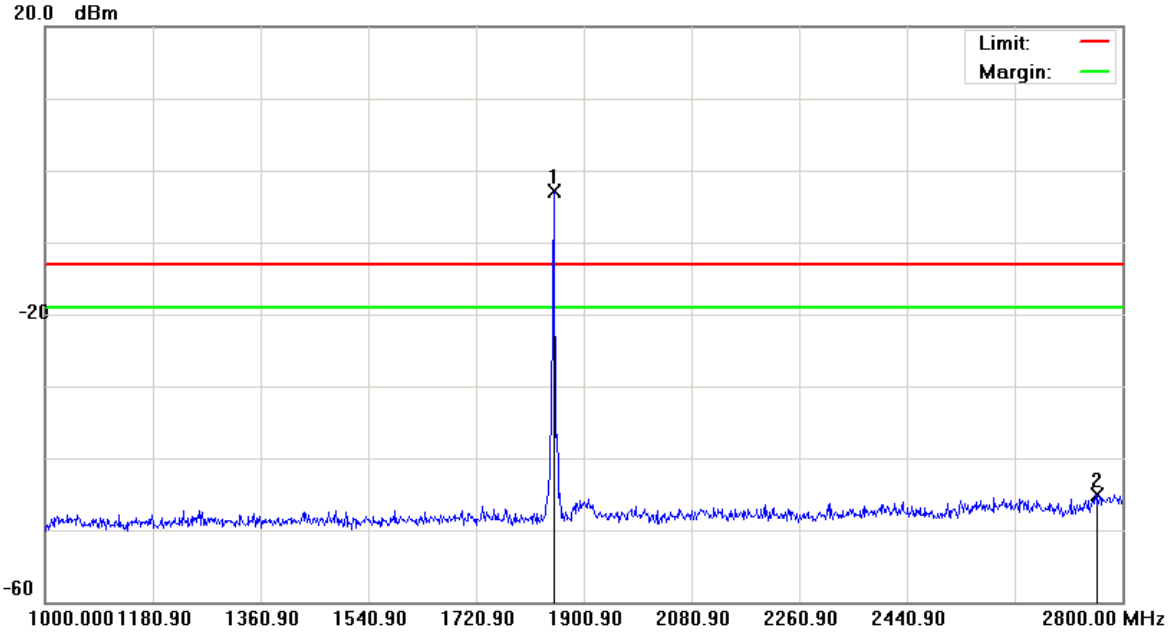
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	633.7750	-50.74	13.14	-37.60	-13.00	-24.60	peak			

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

File :PB76100(CH512) Data :#3 Date: 2009/12/30 Time: PM 10:53:01



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 3
Note: CH512(1850.2MHz)

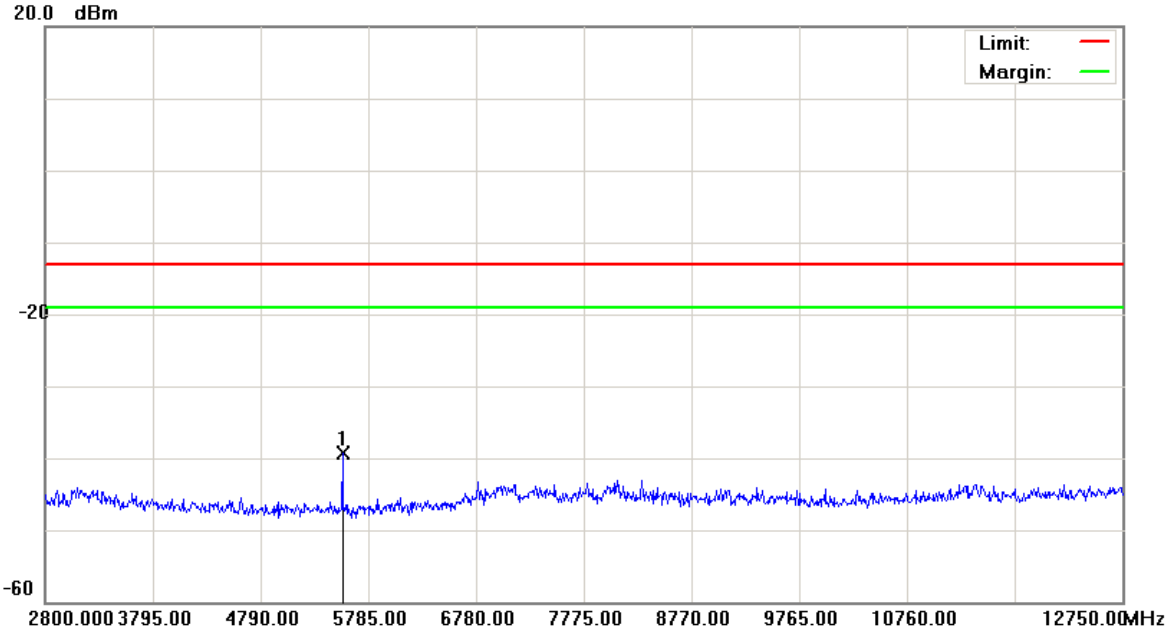
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1850.500	-7.11	4.26	-2.85	-13.00	10.15	peak			TX
2		2758.600	-50.62	5.57	-45.05	-13.00	-32.05	peak			

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

File :PB76100(CH512) Data :#4 Date: 2009/12/30 Time: PM 11:17:42

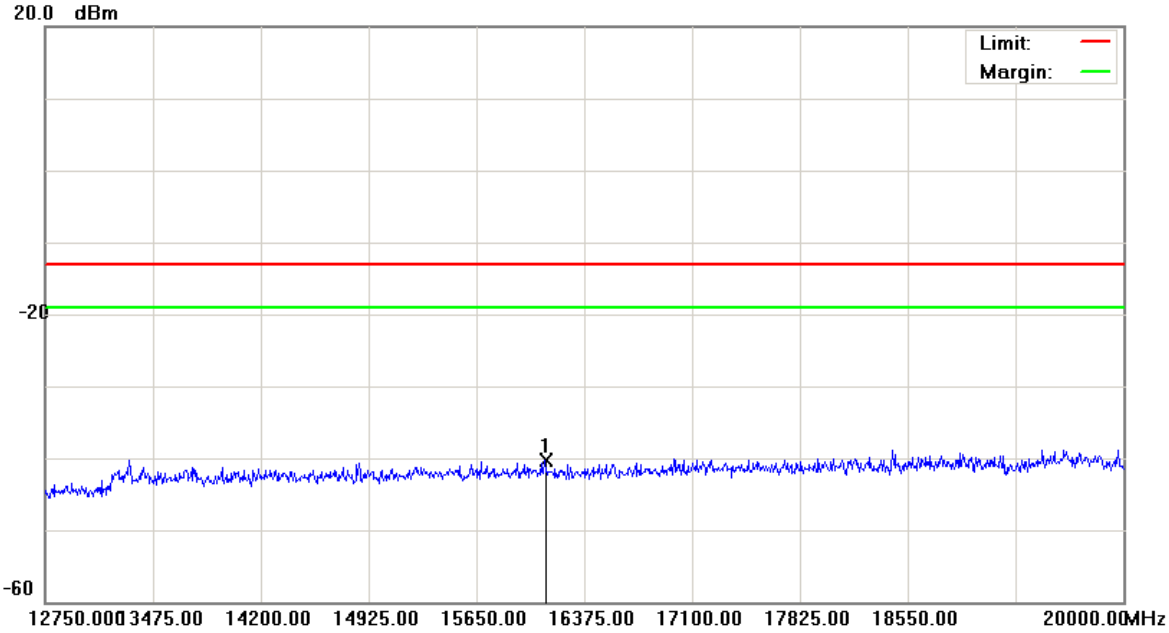


Site: : RF Conducted	Polarization:	***Conducted po***	Temperature: 26 ℃
Limit: FCC Part 24 conducted(9k-12.75G)	Power:	AC 120V/60Hz	Humidity: 55 %
EUT: Smartphone	Distance:		
M/N: PB76100			
Mode: 3			
Note: CH512(1850.2MHz)			

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	5551.175	-44.22	4.87	-39.35	-13.00	-26.35	peak			

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

File :PB76100(CH512) Data :#5 Date: 2009/12/30 Time: PM 11:24:42

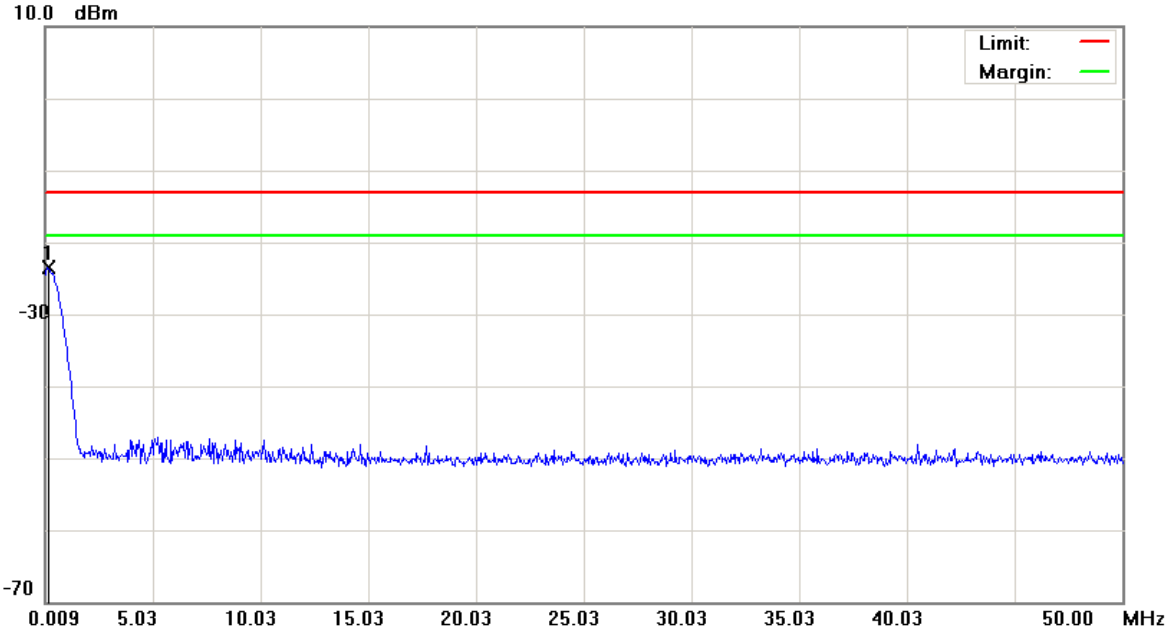


Site: : Conduction	Polarization:	***Conducted po***	Temperature: 26 ℃
Limit: FCC Part 24 conducted(9k-12.75G)	Power:	AC 120V/60Hz	Humidity: 55 %
EUT: Smartphone	Distance:		
M/N: PB76100			
Mode: 3			
Note: CH512(1850.2MHz)			

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	16110.375	-46.71	6.33	-40.38	-13.00	-27.38	peak			

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

File :PB76100(CH661) Data :#1 Date: 2009/12/30 Time: PM 10:33:18



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 3
Note: CH661(1880MHz)

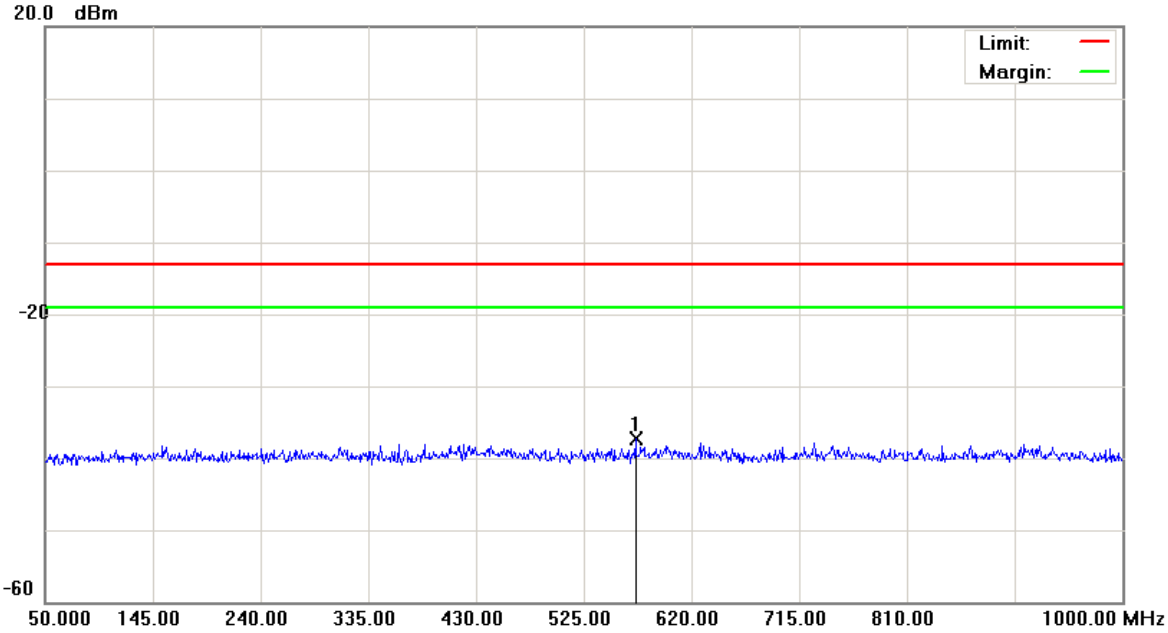
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	0.1340	-36.03	12.48	-23.55	-13.00	-10.55	peak			

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

File :PB76100(CH661) Data :#2 Date: 2009/12/30 Time: PM 10:33:42



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 3
Note: CH661(1880MHz)

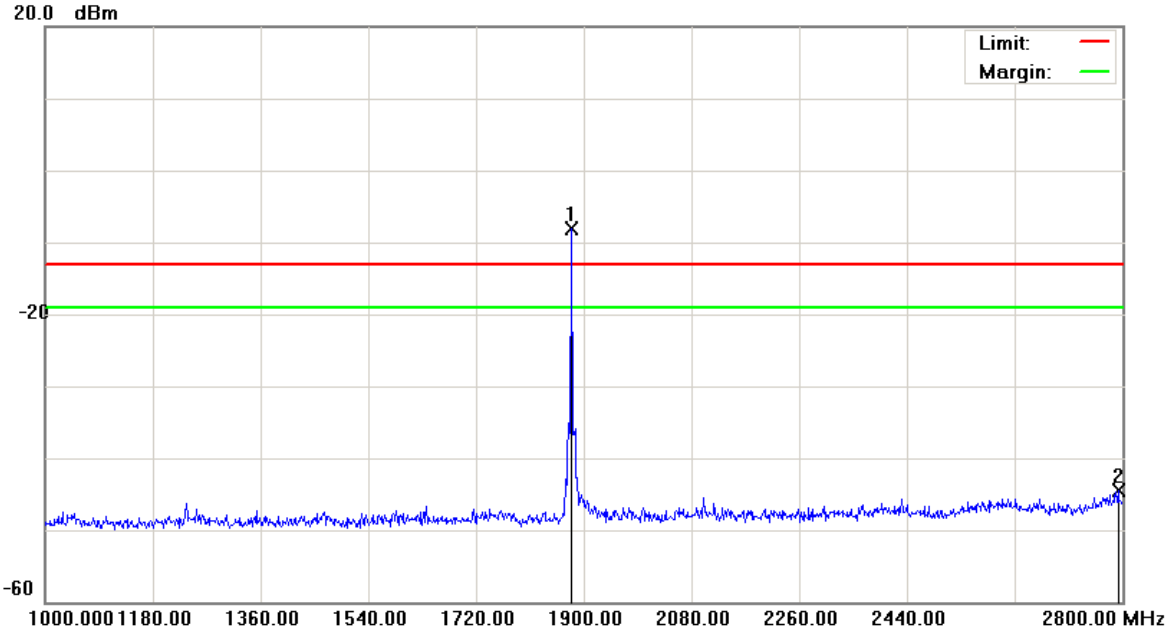
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	570.6000	-50.43	13.14	-37.29	-13.00	-24.29	peak			

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

File :PB76100(CH661) Data :#3 Date: 2009/12/30 Time: PM 11:01:27



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 3
Note: CH661(1880MHz)

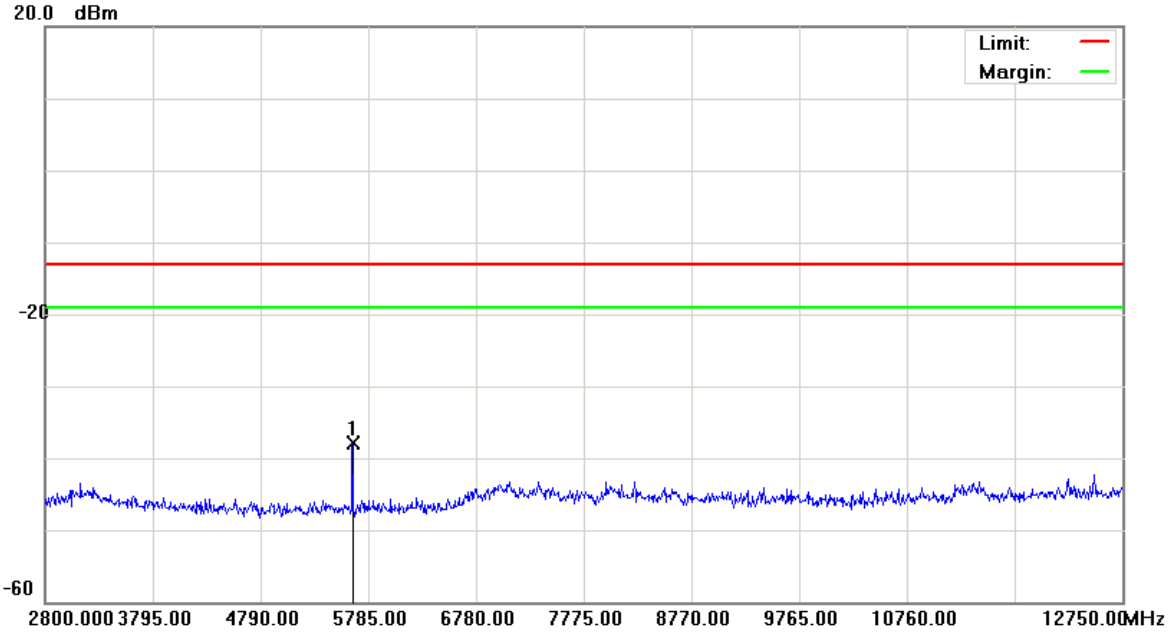
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1880.200	-12.83	4.65	-8.18	-13.00	4.82	peak			TX
2		2793.700	-50.34	5.90	-44.44	-13.00	-31.44	peak			

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

File :PB76100(CH661) Data :#4 Date: 2009/12/30 Time: PM 11:19:06

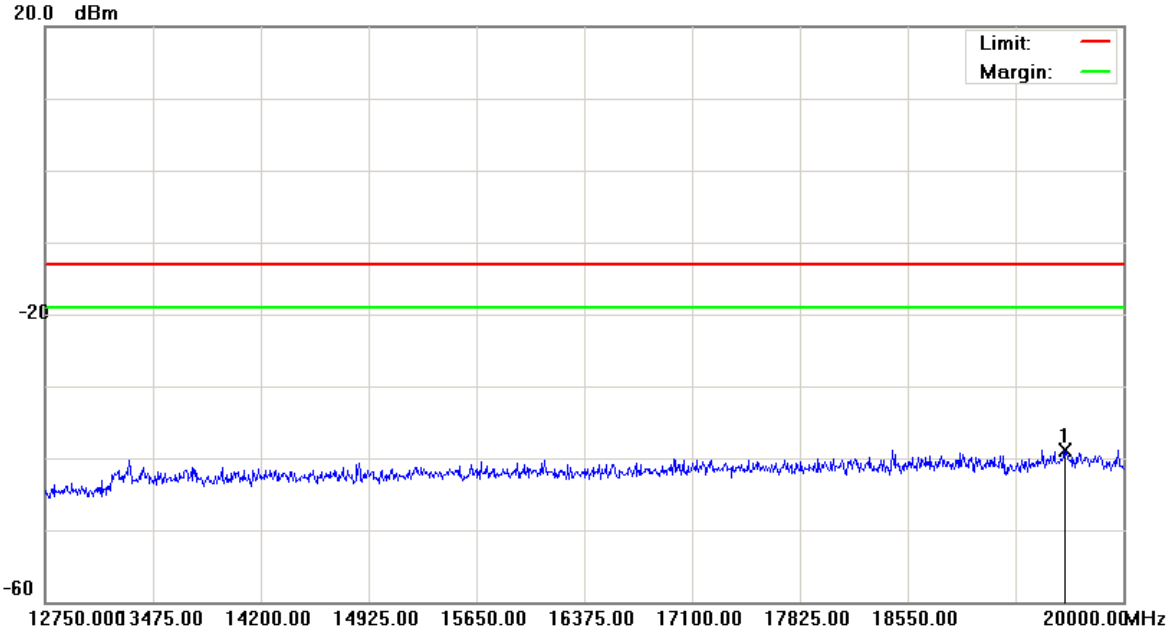


Site: : RF Conducted	Polarization:	***Conducted po***	Temperature: 26 ℃
Limit: FCC Part 24 conducted(9k-12.75G)	Power:	AC 120V/60Hz	Humidity: 55 %
EUT: Smartphone	Distance:		
M/N: PB76100			
Mode: 3			
Note: CH661(1880MHz)			

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	5640.725	-42.75	4.85	-37.90	-13.00	-24.90	peak			

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

File :PB76100(CH661) Data :#5 Date: 2009/12/30 Time: PM 11:24:38



Site: : Conduction
Limit: FCC Part 24 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 3
Note: CH661(1880MHz)

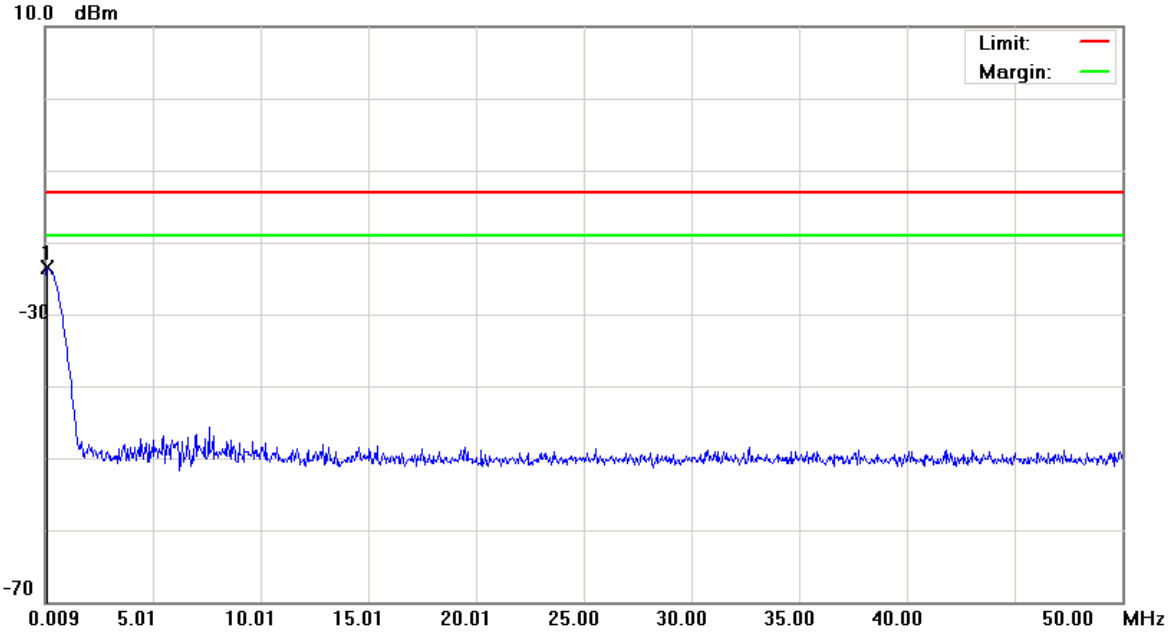
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	19604.875	-46.14	7.33	-38.81	-13.00	-25.81	peak			

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

File :PB76100(CH810) Data :#1 Date: 2009/12/30 Time: PM 10:35:09



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 3
Note: CH810(1909.8MHz)

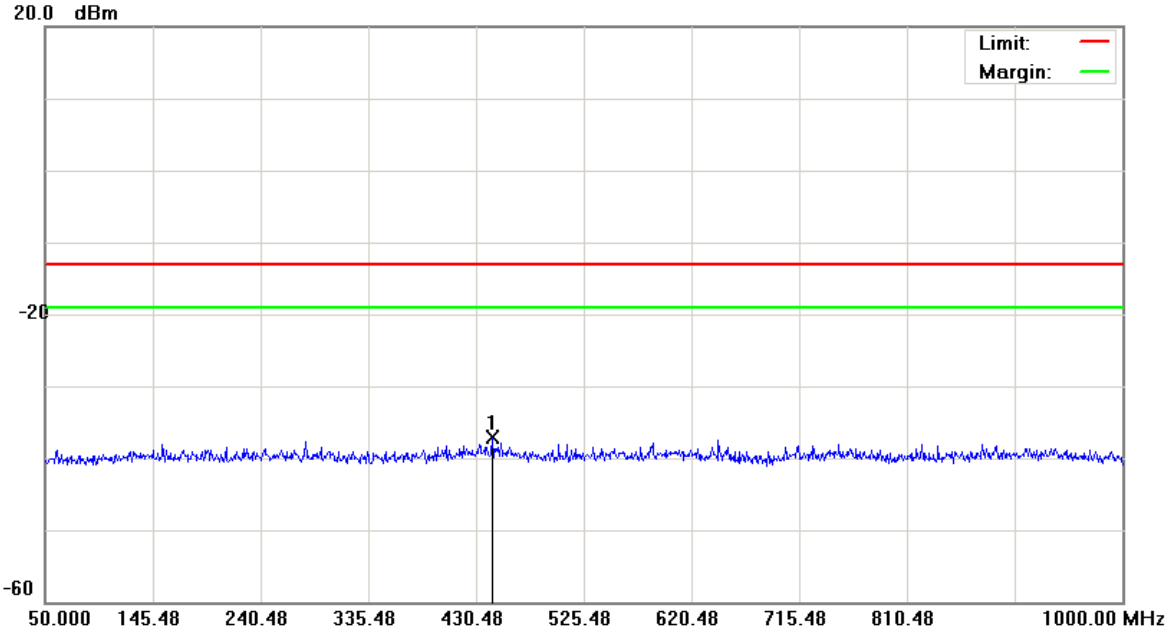
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	0.1090	-35.99	12.49	-23.50	-13.00	-10.50	peak			

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

File :PB76100(CH810) Data :#2 Date: 2009/12/30 Time: PM 10:35:33

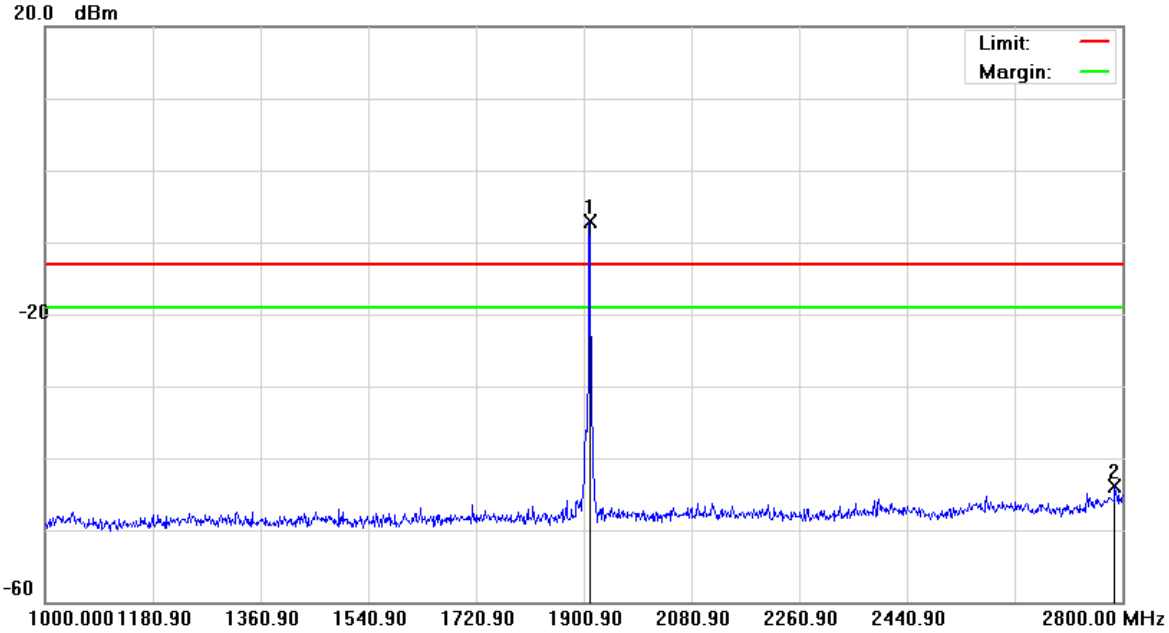


Site: : RF Conducted	Polarization:	***Conducted po***	Temperature: 26 ℃
Limit: FCC Part 24 conducted(9k-12.75G)	Power:	AC 120V/60Hz	Humidity: 55 %
EUT: Smartphone	Distance:		
M/N: PB76100			
Mode: 3			
Note: CH810(1909.8MHz)			

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	444.2500	-50.24	13.22	-37.02	-13.00	-24.02	peak			

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

File :PB76100(CH810) Data :#3 Date: 2009/12/30 Time: PM 11:05:44



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 3
Note: CH810(1909.8MHz)

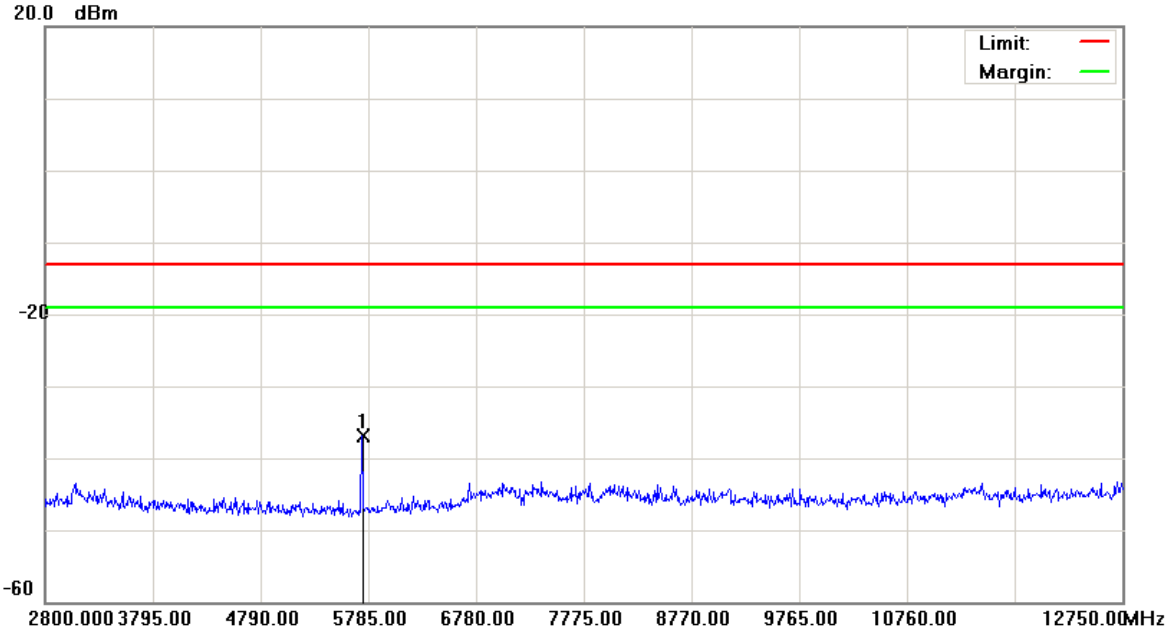
Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1909.900	-12.78	5.71	-7.07	-13.00	5.93	peak			TX
2		2787.400	-49.70	5.89	-43.81	-13.00	-30.81	peak			

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

File :PB76100(CH810) Data :#4 Date: 2009/12/30 Time: PM 11:20:19

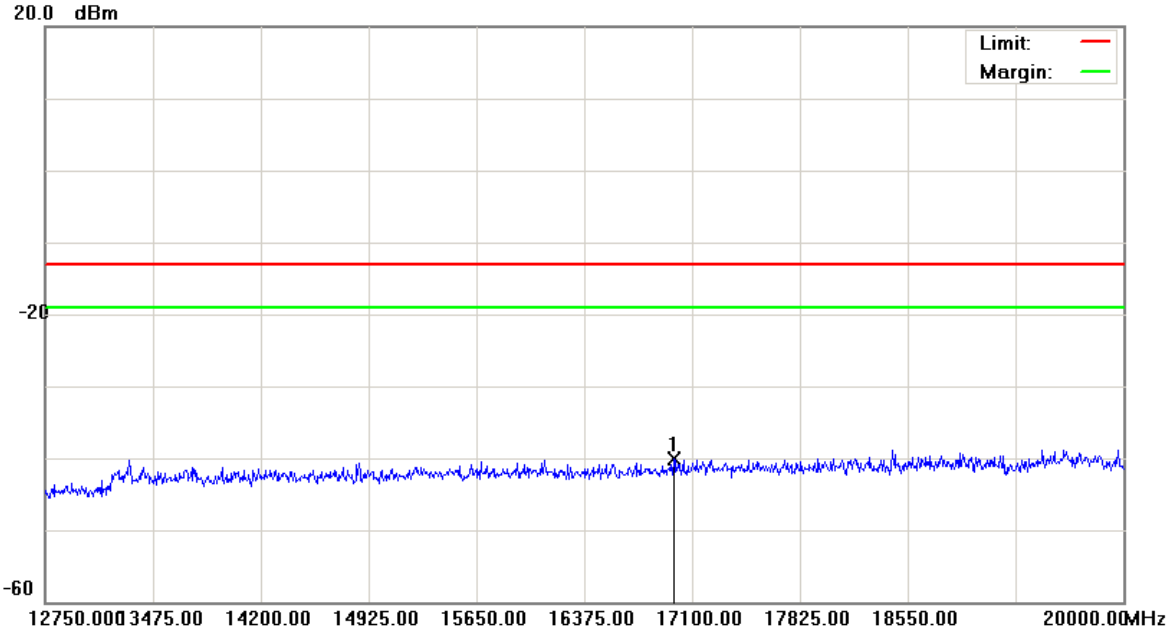


Site: : RF Conducted	Polarization:	***Conducted po***	Temperature: 26 ℃
Limit: FCC Part 24 conducted(9k-12.75G)	Power:	AC 120V/60Hz	Humidity: 55 %
EUT: Smartphone	Distance:		
M/N: PB76100			
Mode: 3			
Note: CH810(1909.8MHz)			

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	5730.275	-41.81	4.89	-36.92	-13.00	-23.92	peak			

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

File :PB76100(CH810) Data :#5 Date: 2009/12/30 Time: PM 11:23:26



Site: : Conduction
Limit: FCC Part 24 conducted(9k-12.75G)
EUT: Smartphone
M/N: PB76100
Mode: 3
Note: CH810(1909.8MHz)

Polarization: ***Conducted po***
Power: AC 120V/60Hz
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	16976.750	-46.68	6.58	-40.10	-13.00	-27.10	peak			

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

6 Field Strength of Spurious Radiation Test

6.1. Limit

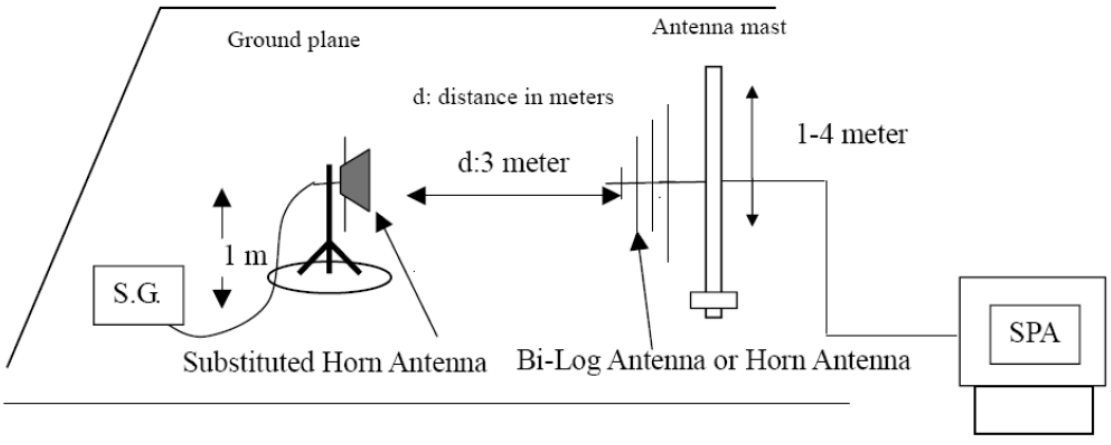
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

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**
RF Pre-selector	Agilent	N9039A	MY46520256	01/27/2009
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/20/2009
Pre Amplifier	Agilent	8449B	3008A02237	07/01/2009
Pre Amplifier	Agilent	8447D	2944A10961	06/30/2009
Bi-log Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	06/23/2009
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	07/01/2009
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	06/30/2009
Test Site	ATL	TE01	888001	08/06/2009

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

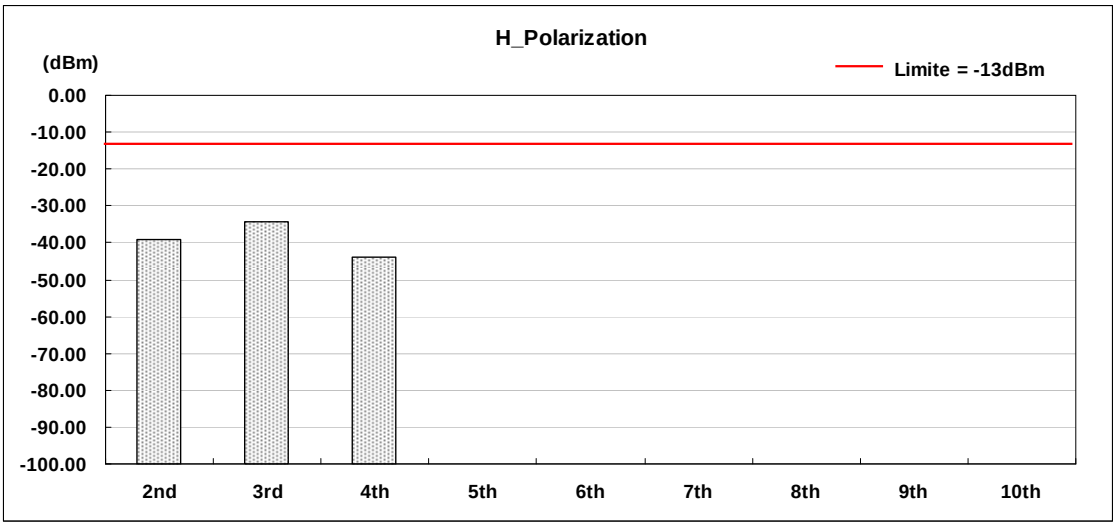
6.5. Uncertainty

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

6.6. Test Result

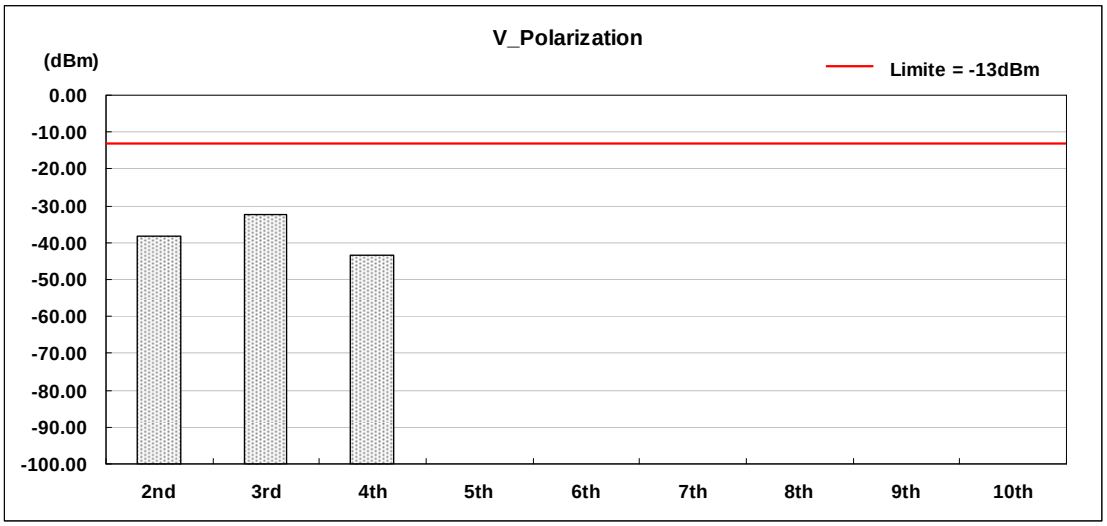
Product	Smartphone		
Test Item	Field Strength of Spurious Radiation		
Test Mode	Mode 1: GSM850 Link / CH128	Polarization	Horizontal
Date of Test	12/30/2009	Test Site	TE01

Harmonic	Frequency (MHz)	Polarization	FCC Max. Limit (dBm)	S.G Power (dBm)	Substitution Antenna Gain (dBi)	Cable Loss (dBm)	Peak Output Power (dBm)
2nd	1648.8	H	-13	-49.27	10.72	0.56	-39.11
3rd	2473.2	H	-13	-44.24	10.66	0.62	-34.20
4th	3297.6	H	-13	-54.08	10.78	0.74	-44.04
5th	4122.0	H	-13	*	*	*	*
6th	4946.4	H	-13	*	*	*	*
7th	5770.8	H	-13	*	*	*	*
8th	6595.2	H	-13	*	*	*	*
9th	7419.6	H	-13	*	*	*	*
10th	8244.0	H	-13	*	*	*	*



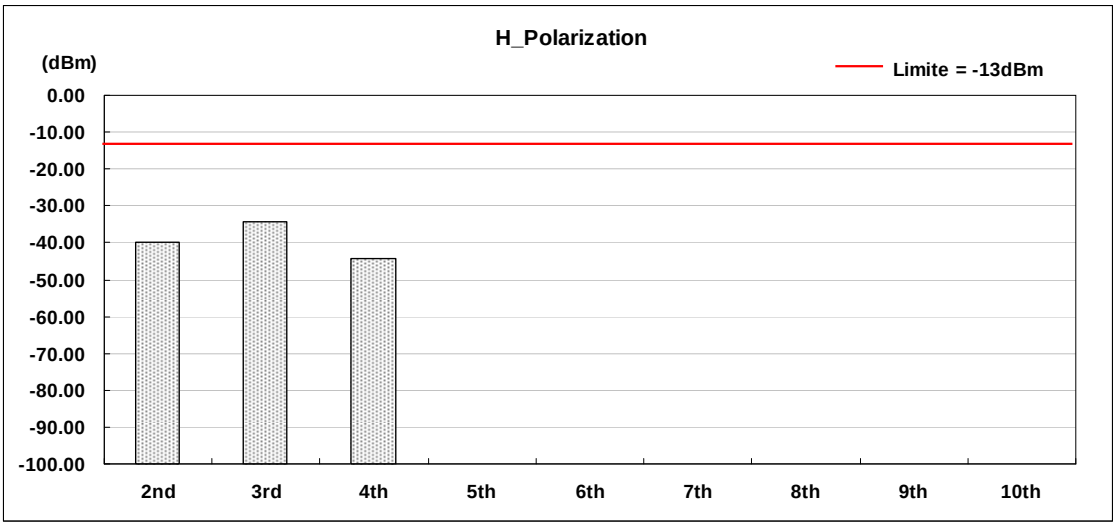
Product	Smartphone		
Test Item	Field Strength of Spurious Radiation		
Test Mode	Mode 1: GSM850 Link / CH128	Polarization	Vertical
Date of Test	12/30/2009	Test Site	TE01

Harmonic	Frequency (MHz)	Polarization	FCC Max. Limit (dBm)	S.G Power (dBm)	Substitution Antenna Gain (dBi)	Cable Loss (dBm)	Peak Output Power (dBm)
2nd	1648.8	V	-13	-48.42	10.72	0.56	-38.26
3rd	2473.2	V	-13	-42.26	10.66	0.62	-32.22
4th	3297.6	V	-13	-53.24	10.78	0.74	-43.20
5th	4122.0	V	-13	*	*	*	*
6th	4946.4	V	-13	*	*	*	*
7th	5770.8	V	-13	*	*	*	*
8th	6595.2	V	-13	*	*	*	*
9th	7419.6	V	-13	*	*	*	*
10th	8244.0	V	-13	*	*	*	*



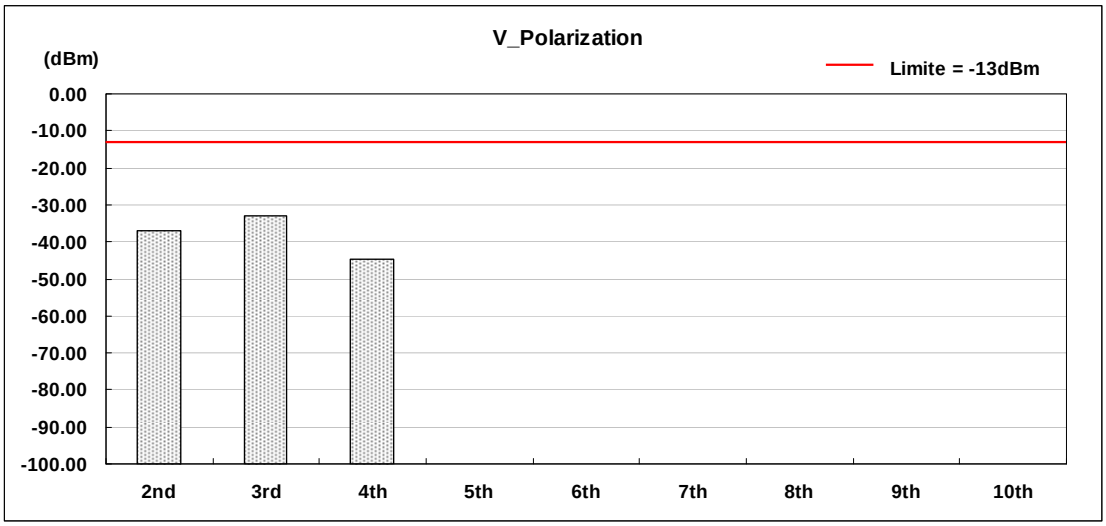
Product	Smartphone		
Test Item	Field Strength of Spurious Radiation		
Test Mode	Mode 1: GSM850 Link / CH190	Polarization	Horizontal
Date of Test	12/30/2009	Test Site	TE01

Harmonic	Frequency (MHz)	Polarization	FCC Max. Limit (dBm)	S.G Power (dBm)	Substitution Antenna Gain (dBi)	Cable Loss (dBm)	Peak Output Power (dBm)
2nd	1673.2	H	-13	-50.10	10.72	0.56	-39.94
3rd	2509.8	H	-13	-44.46	10.66	0.62	-34.42
4th	3346.4	H	-13	-54.40	10.78	0.74	-44.36
5th	4183.0	H	-13	*	*	*	*
6th	5019.6	H	-13	*	*	*	*
7th	5856.2	H	-13	*	*	*	*
8th	6692.8	H	-13	*	*	*	*
9th	7529.4	H	-13	*	*	*	*
10th	8366.0	H	-13	*	*	*	*



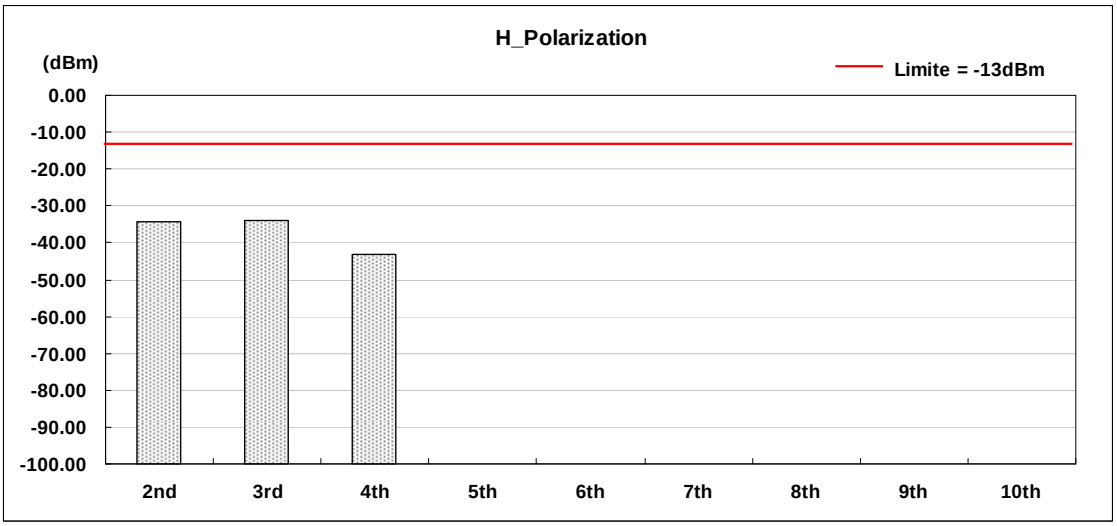
Product	Smartphone		
Test Item	Field Strength of Spurious Radiation		
Test Mode	Mode 1: GSM850 Link / CH190	Polarization	Vertical
Date of Test	12/30/2009	Test Site	TE01

Harmonic	Frequency (MHz)	Polarization	FCC Max. Limit (dBm)	S.G Power (dBm)	Substitution Antenna Gain (dBi)	Cable Loss (dBm)	Peak Output Power (dBm)
2nd	1673.2	V	-13	-47.33	10.72	0.56	-37.17
3rd	2509.8	V	-13	-42.99	10.66	0.62	-32.95
4th	3346.4	V	-13	-54.57	10.78	0.74	-44.53
5th	4183.0	V	-13	*	*	*	*
6th	5019.6	V	-13	*	*	*	*
7th	5856.2	V	-13	*	*	*	*
8th	6692.8	V	-13	*	*	*	*
9th	7529.4	V	-13	*	*	*	*
10th	8366.0	V	-13	*	*	*	*



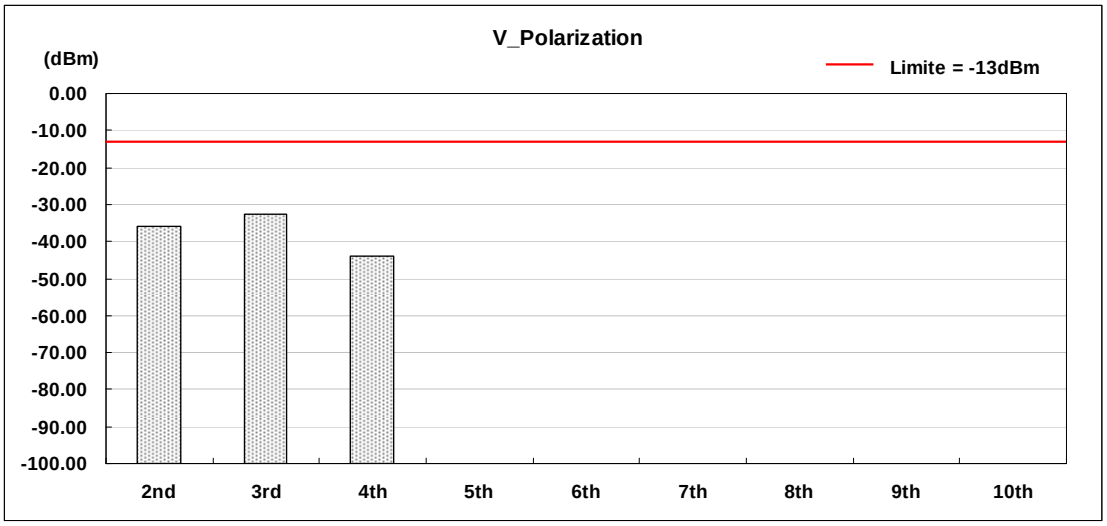
Product	Smartphone		
Test Item	Field Strength of Spurious Radiation		
Test Mode	Mode 1: GSM850 Link / CH251	Polarization	Horizontal
Date of Test	12/30/2009	Test Site	TE01

Harmonic	Frequency (MHz)	Polarization	FCC Max. Limit (dBm)	S.G Power (dBm)	Substitution Antenna Gain (dBi)	Cable Loss (dBm)	Peak Output Power (dBm)
2nd	1697.6	H	-13	-44.45	10.72	0.56	-34.29
3rd	2546.4	H	-13	-44.01	10.66	0.62	-33.97
4th	3395.2	H	-13	-53.14	10.78	0.74	-43.10
5th	4244.0	H	-13	*	*	*	*
6th	5092.8	H	-13	*	*	*	*
7th	5941.6	H	-13	*	*	*	*
8th	6790.4	H	-13	*	*	*	*
9th	7639.2	H	-13	*	*	*	*
10th	8488.0	H	-13	*	*	*	*



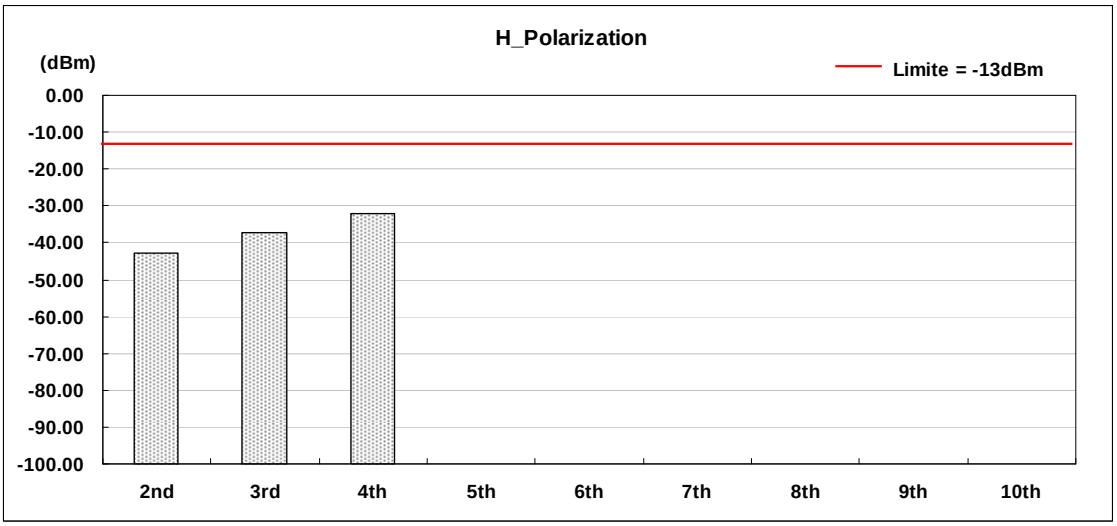
Product	Smartphone		
Test Item	Field Strength of Spurious Radiation		
Test Mode	Mode 1: GSM850 Link / CH251	Polarization	Vertical
Date of Test	12/22/2009	Test Site	TE01

Harmonic	Frequency (MHz)	Polarization	FCC Max. Limit (dBm)	S.G Power (dBm)	Substitution Antenna Gain (dBi)	Cable Loss (dBm)	Peak Output Power (dBm)
2nd	1697.6	V	-13	-46.00	10.72	0.56	-35.84
3rd	2546.4	V	-13	-42.50	10.66	0.62	-32.46
4th	3395.2	V	-13	-54.18	10.78	0.74	-44.14
5th	4244.0	V	-13	*	*	*	*
6th	5092.8	V	-13	*	*	*	*
7th	5941.6	V	-13	*	*	*	*
8th	6790.4	V	-13	*	*	*	*
9th	7639.2	V	-13	*	*	*	*
10th	8488.0	V	-13	*	*	*	*



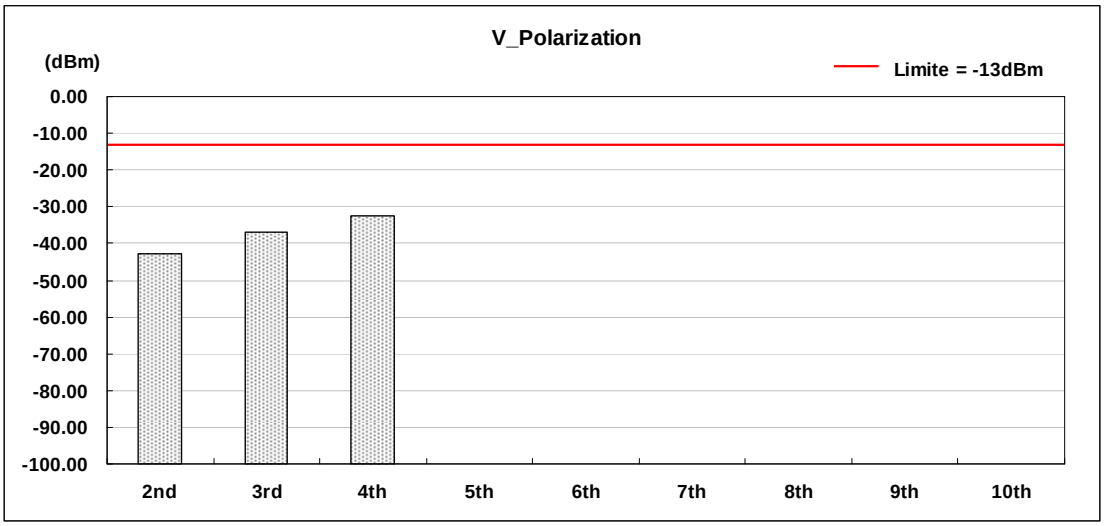
Product	Smartphone		
Test Item	Field Strength of Spurious Radiation		
Test Mode	Mode 2: PCS1900 Link / CH512	Polarization	Horizontal
Date of Test	12/30/2009	Test Site	TE01

Harmonic	Frequency (MHz)	Polarization	FCC Max. Limit (dBm)	S.G Power (dBm)	Substitution Antenna Gain (dBi)	Cable Loss (dBm)	Peak Output Power (dBm)
2nd	3700.4	H	-13	-52.83	10.72	0.56	-42.67
3rd	5550.6	H	-13	-47.41	10.66	0.62	-37.37
4th	7400.8	H	-13	-42.17	10.78	0.74	-32.13
5th	9251.0	H	-13	*	*	*	*
6th	11101.2	H	-13	*	*	*	*
7th	12951.4	H	-13	*	*	*	*
8th	14801.6	H	-13	*	*	*	*
9th	16651.8	H	-13	*	*	*	*
10th	18502.0	H	-13	*	*	*	*



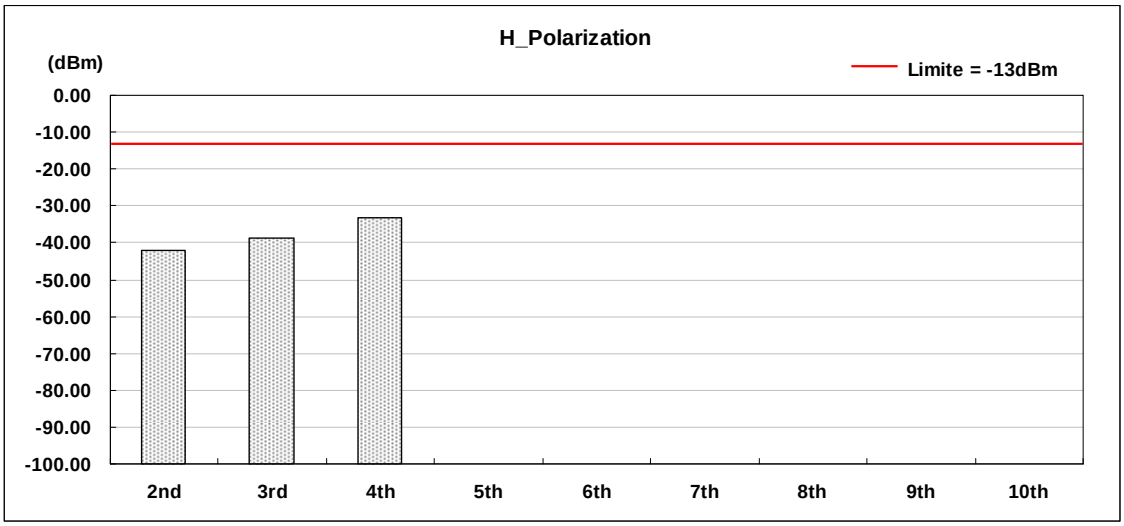
Product	Smartphone		
Test Item	Field Strength of Spurious Radiation		
Test Mode	Mode 2: PCS1900 Link / CH512	Polarization	Vertical
Date of Test	12/30/2009	Test Site	TE01

Harmonic	Frequency (MHz)	Polarization	FCC Max. Limit (dBm)	S.G Power (dBm)	Substitution Antenna Gain (dBi)	Cable Loss (dBm)	Peak Output Power (dBm)
2nd	3700.4	V	-13	-52.80	10.72	0.56	-42.64
3rd	5550.6	V	-13	-46.82	10.66	0.62	-36.78
4th	7400.8	V	-13	-42.39	10.78	0.74	-32.35
5th	9251.0	V	-13	*	*	*	*
6th	11101.2	V	-13	*	*	*	*
7th	12951.4	V	-13	*	*	*	*
8th	14801.6	V	-13	*	*	*	*
9th	16651.8	V	-13	*	*	*	*
10th	18502.0	V	-13	*	*	*	*



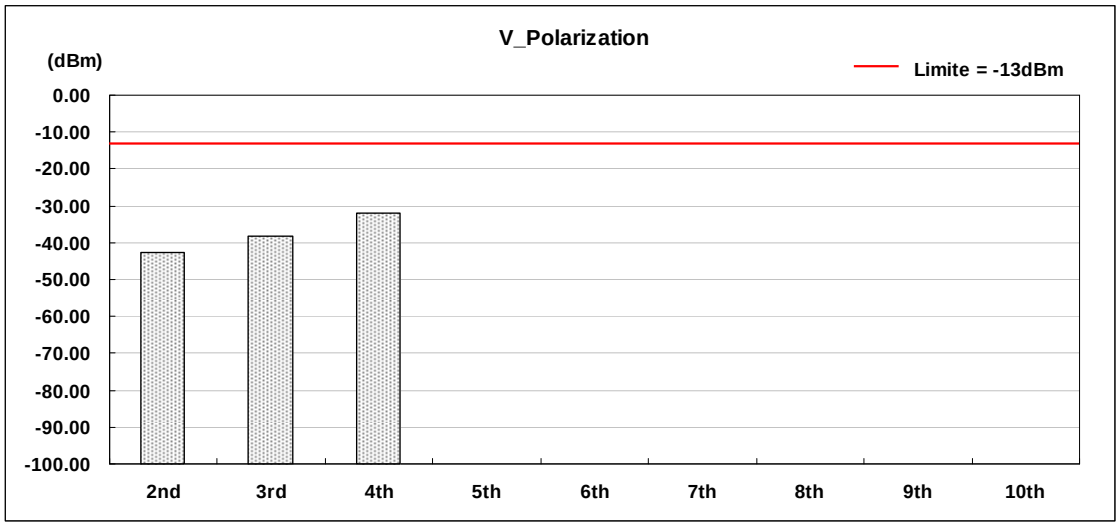
Product	Smartphone		
Test Item	Field Strength of Spurious Radiation		
Test Mode	Mode 2: PCS1900 Link / CH661	Polarization	Horizontal
Date of Test	12/30/2009	Test Site	TE01

Harmonic	Frequency (MHz)	Polarization	FCC Max. Limit (dBm)	S.G Power (dBm)	Substitution Antenna Gain (dBi)	Cable Loss (dBm)	Peak Output Power (dBm)
2nd	3760.0	H	-13	-52.39	10.72	0.56	-42.23
3rd	5640.0	H	-13	-48.74	10.66	0.62	-38.70
4th	7520.0	H	-13	-43.17	10.78	0.74	-33.13
5th	9400.0	H	-13	*	*	*	*
6th	11280.0	H	-13	*	*	*	*
7th	13160.0	H	-13	*	*	*	*
8th	15040.0	H	-13	*	*	*	*
9th	16920.0	H	-13	*	*	*	*
10th	18800.0	H	-13	*	*	*	*



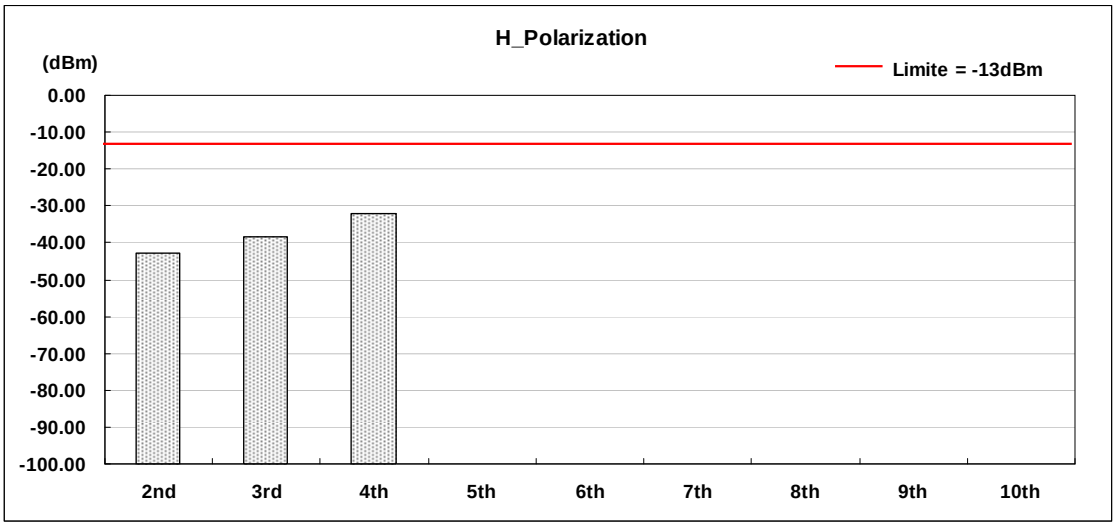
Product	Smartphone		
Test Item	Field Strength of Spurious Radiation		
Test Mode	Mode 2: PCS1900 Link / CH661	Polarization	Vertical
Date of Test	12/30/2009	Test Site	TE01

Harmonic	Frequency (MHz)	Polarization	FCC Max. Limit (dBm)	S.G Power (dBm)	Substitution Antenna Gain (dBi)	Cable Loss (dBm)	Peak Output Power (dBm)
2nd	3760.0	V	-13	-52.77	10.72	0.56	-42.61
3rd	5640.0	V	-13	-48.25	10.66	0.62	-38.21
4th	7520.0	V	-13	-42.05	10.78	0.74	-32.01
5th	9400.0	V	-13	*	*	*	*
6th	11280.0	V	-13	*	*	*	*
7th	13160.0	V	-13	*	*	*	*
8th	15040.0	V	-13	*	*	*	*
9th	16920.0	V	-13	*	*	*	*
10th	18800.0	V	-13	*	*	*	*



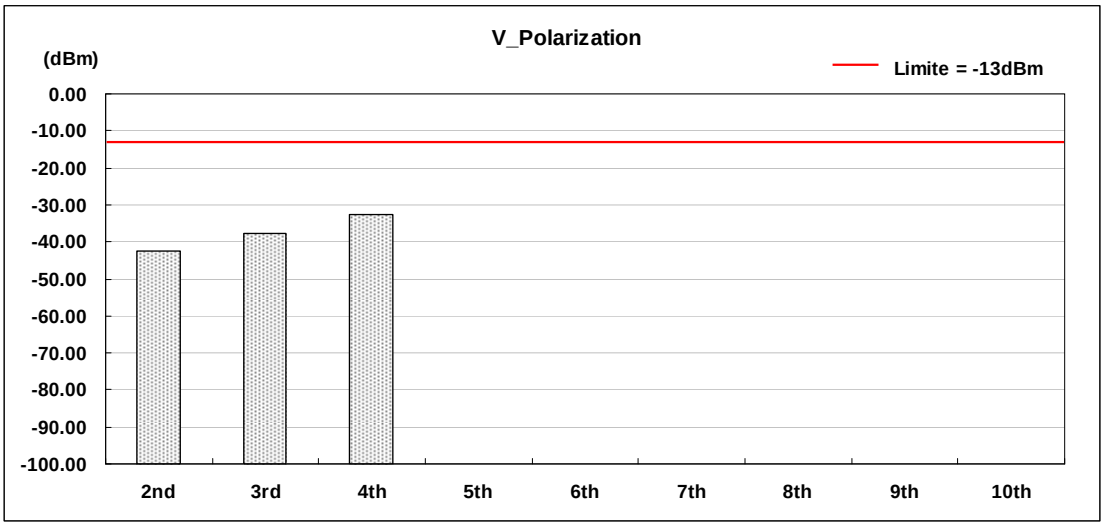
Product	Smartphone		
Test Item	Field Strength of Spurious Radiation		
Test Mode	Mode 2: PCS1900 Link / CH810	Polarization	Horizontal
Date of Test	12/30/2009	Test Site	TE01

Harmonic	Frequency (MHz)	Polarization	FCC Max. Limit (dBm)	S.G Power (dBm)	Substitution Antenna Gain (dBi)	Cable Loss (dBm)	Peak Output Power (dBm)
2nd	3819.6	H	-13	-52.97	10.72	0.56	-42.81
3rd	5729.4	H	-13	-48.50	10.66	0.62	-38.46
4th	7639.2	H	-13	-42.20	10.78	0.74	-32.16
5th	9549.0	H	-13	*	*	*	*
6th	11458.8	H	-13	*	*	*	*
7th	13368.6	H	-13	*	*	*	*
8th	15278.4	H	-13	*	*	*	*
9th	17188.2	H	-13	*	*	*	*
10th	19098.0	H	-13	*	*	*	*



Product	Smartphone		
Test Item	Field Strength of Spurious Radiation		
Test Mode	Mode 2: PCS1900 Link / CH810	Polarization	Vertical
Date of Test	12/30/2009	Test Site	TE01

Harmonic	Frequency (MHz)	Polarization	FCC Max. Limit (dBm)	S.G Power (dBm)	Substitution Antenna Gain (dBi)	Cable Loss (dBm)	Peak Output Power (dBm)
2nd	3819.6	V	-13	-52.58	10.72	0.56	-42.42
3rd	5729.4	V	-13	-47.80	10.66	0.62	-37.76
4th	7639.2	V	-13	-42.55	10.78	0.74	-32.51
5th	9549.0	V	-13	*	*	*	*
6th	11458.8	V	-13	*	*	*	*
7th	13368.6	V	-13	*	*	*	*
8th	15278.4	V	-13	*	*	*	*
9th	17188.2	V	-13	*	*	*	*
10th	19098.0	V	-13	*	*	*	*



7 Frequency Stability (Temperature Variation) Test

7.1. Limit

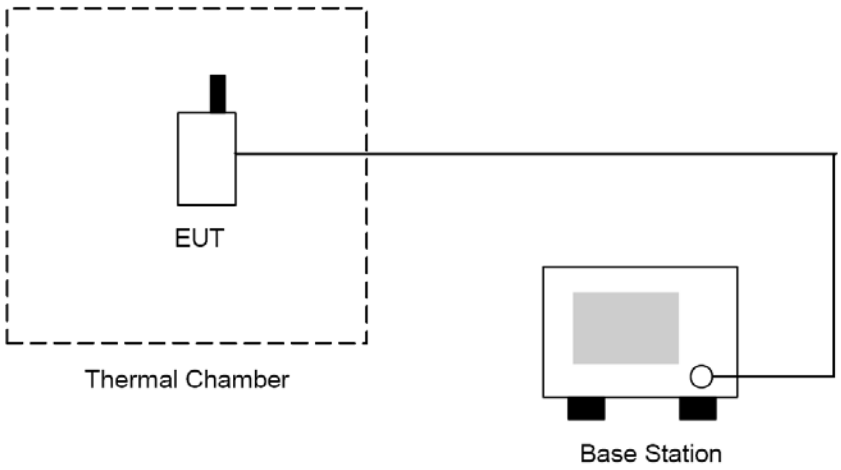
The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.

7.2. Test Instruments

Describe	Manufacturer	Model No.	Serial No.	Cal. Date
Universal Radio Communication Tester	ROHDE & SCHWARZ	CMU200	109369	07/29/2009
Test Site	ATL	TE02	TE02	N.C.R.

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℃ 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℃ 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 ± 10Hz.

7.6. Test Result

Product	Smartphone		
Test Item	Frequency Stability (Temperature Variation)		
Test Mode	Mode 1: GSM850 Link		
Date of Test	12/30/2009	Test Site	TE02

Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
-30	20.44	**0.024**	±2.5	Pass
-20	20.39	**0.024**	±2.5	Pass
-10	18.48	**0.022**	±2.5	Pass
0	19.72	**0.024**	±2.5	Pass
10	19.39	**0.023**	±2.5	Pass
20	20.44	**0.024**	±2.5	Pass
30	18.44	**0.022**	±2.5	Pass
40	23.48	**0.028**	±2.5	Pass
50	21.77	**0.026**	0.1	Pass

Product	Smartphone		
Test Item	Frequency Stability (Temperature Variation)		
Test Mode	Mode 2: PCS1900 Link		
Date of Test	12/30/2009	Test Site	TE02

Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
-30	19.38	**0.010**	±2.5	Pass
-20	19.77	**0.011**	±2.5	Pass
-10	20.46	**0.011**	±2.5	Pass
0	20.43	**0.011**	±2.5	Pass
10	17.69	**0.009**	±2.5	Pass
20	17.27	**0.009**	±2.5	Pass
30	16.48	**0.009**	±2.5	Pass
40	16.22	**0.009**	±2.5	Pass
50	18.35	**0.010**	0.1	Pass

8 Frequency Stability (Voltage Variation) Test

8.1. Limit

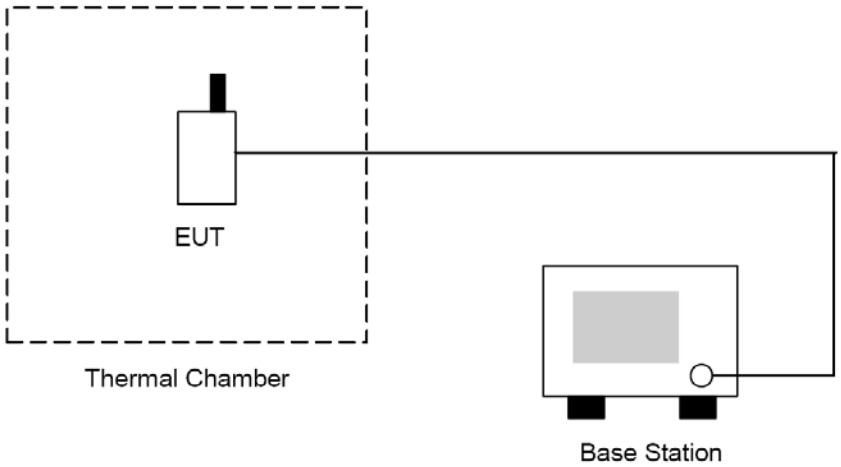
The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.

8.2. Test Instruments

Describe	Manufacturer	Model No.	Serial No.	Cal. Date
Universal Radio Communication Tester	ROHDE & SCHWARZ	CMU200	109369	07/29/2009
Test Site	ATL	TE02	TE02	N.C.R.

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±5 ℃ 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 ± 10Hz.

8.6. Test Result

Product	Smartphone		
Test Item	Frequency Stability (Voltage Variation)		
Test Mode	Mode 1: GSM850 Link		
Date of Test	12/30/2009	Test Site	TE02

Level	Voltage [V]	Deviation [Hz]	Deviation [ppm]	Limit [ppm]	Result
Battery full point	4.20	21.79	**0.026**	±2.5	Pass
Normal	3.70	24.38	**0.029**	±2.5	Pass
Battery cut-off point	3.40	23.77	**0.028**	±2.5	Pass

Product	Smartphone		
Test Item	Frequency Stability (Voltage Variation)		
Test Mode	Mode 2: PCS1900 Link		
Date of Test	12/30/2009	Test Site	TE02

Level	Voltage [V]	Deviation [Hz]	Deviation [ppm]	Limit [ppm]	Result
Battery full point	4.20	21.45	**0.011**	±2.5	Pass
Normal	3.70	24.72	**0.013**	±2.5	Pass
Battery cut-off point	3.40	23.58	**0.013**	±2.5	Pass

9 AC Power Conducted Emissions Test

9.1. Limit

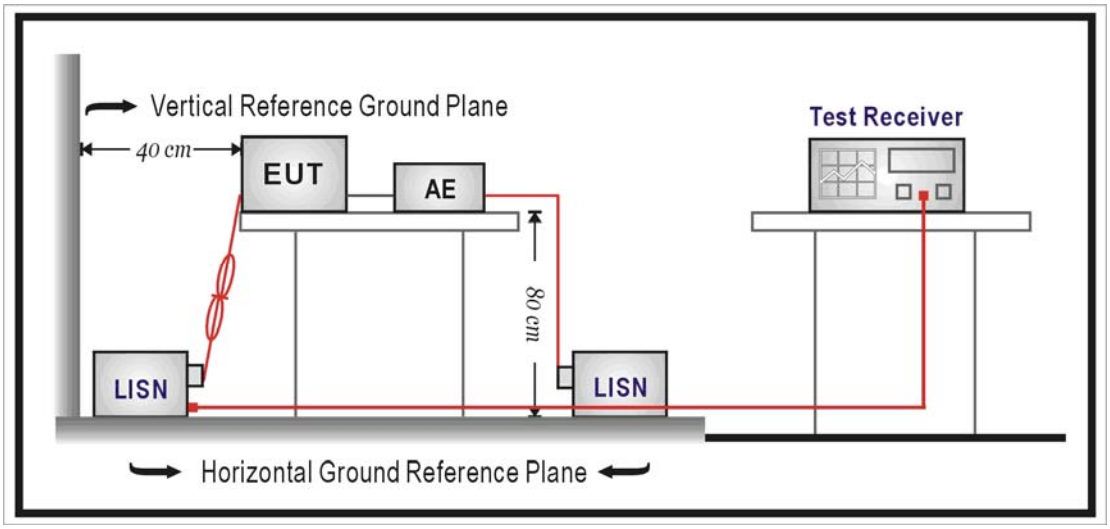
Frequency range (MHz)	Limits (dBuV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5.0	56	46
5.0 to 30	60	50

9.2. Test Instruments

Describe	Manufacturer	Model No.	Serial No.	Cal. Date
Test Receiver	R&S	ESCI	100367	06/05/2009
LISN	EMCO	3816/2 SH	00060110	06/05/2009
LISN	EMCO	3816/2 SH	00060111	06/29/2009
Transient Limiter	ELECTRO-METRICS	EM-7600	777	09/22/2009
Test Site	ATL	TE02	TE02	N.C.R.

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.

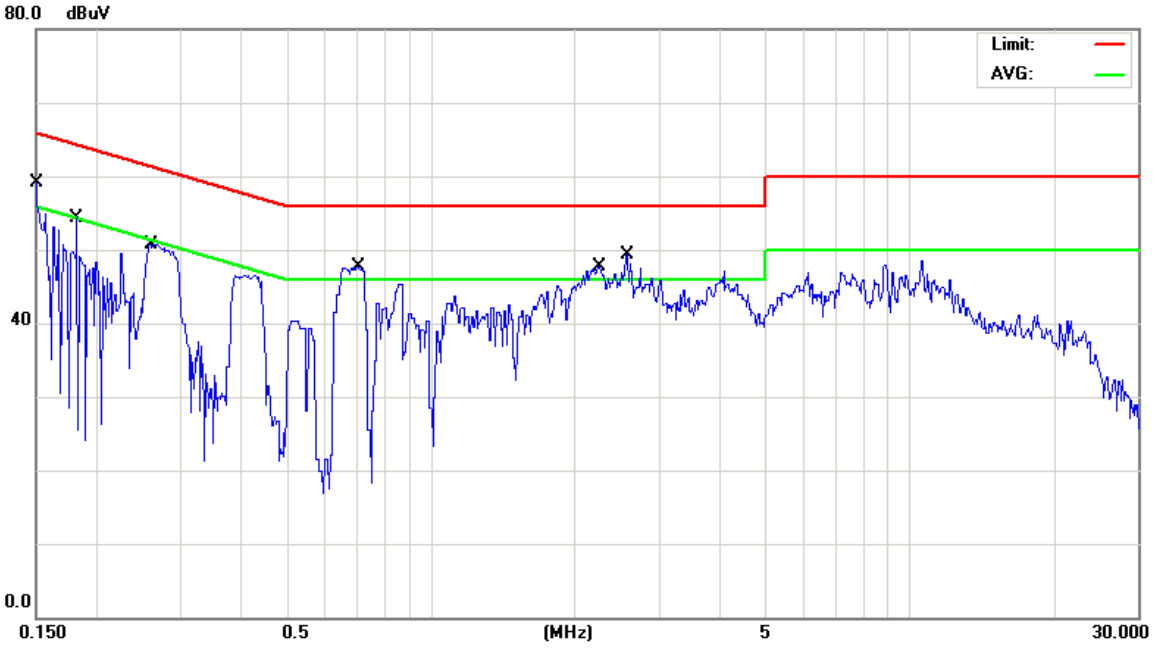
9.5. Uncertainty

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: IDLE Mode 2: GSM850 Link Mode 3: PCS1900 Link		
Date of Test	11/30/2009~01/05/2010	Test Site	TE02

File :09-0319-SEO(IDLE) Data :#1 Date: 2009/12/31 Time: 下午 04:53:25



Site : Conducted Phase: *L1* Temperature: 26 ℃

Limit: CISPR22 Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 55 %

EUT: Smartphone

M/N: PB76100

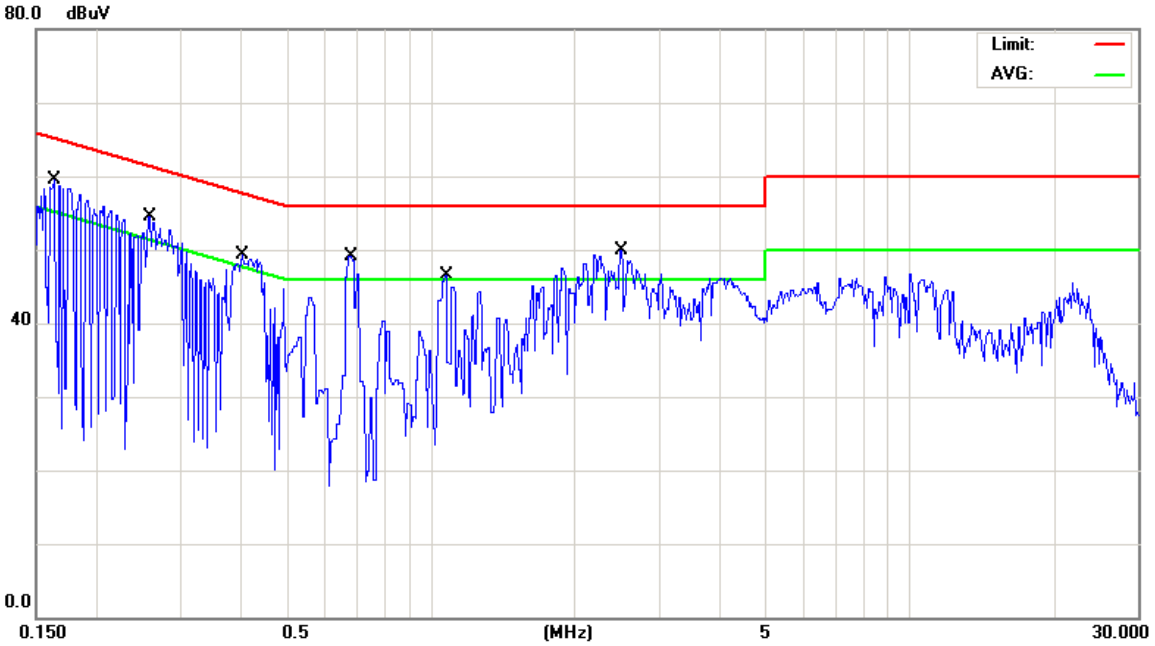
Mode: 1

Note: AC Adapter : #2

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	40.90	9.73	50.63	65.99	-15.36	QP	
2		0.1500	20.70	9.73	30.43	55.99	-25.56	AVG	
3		0.1822	27.80	9.74	37.54	64.38	-26.84	QP	
4		0.1822	7.00	9.74	16.74	54.38	-37.64	AVG	
5		0.2592	38.10	9.75	47.85	61.45	-13.60	QP	
6		0.2592	20.10	9.75	29.85	51.45	-21.60	AVG	
7	*	0.7070	34.40	9.80	44.20	56.00	-11.80	QP	
8		0.7070	17.10	9.80	26.90	46.00	-19.10	AVG	
9		2.2370	30.40	9.88	40.28	56.00	-15.72	QP	
10		2.2370	15.10	9.88	24.98	46.00	-21.02	AVG	
11		2.5610	31.80	9.93	41.73	56.00	-14.27	QP	
12		2.5610	21.40	9.93	31.33	46.00	-14.67	AVG	

*:Maximum data x:Over limit !:over margin ●Reference Only

File :09-0319-SEO(IDLE) Data :#2 Date: 2009/12/31 Time: 下午 04:51:00



Site : Conducted Phase: *L2* Temperature: 26 ℃

Limit: CISPR22 Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 55 %

EUT: Smartphone

M/N: PB76100

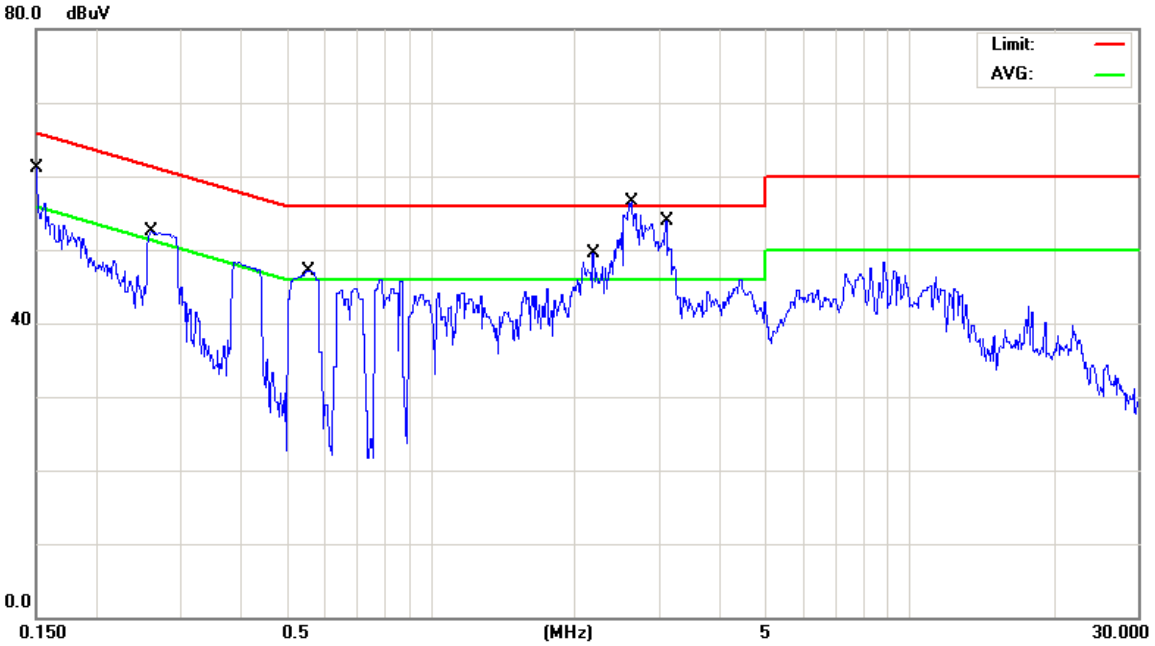
Mode: 1

Note: AC Adapter : #2

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1633	36.80	9.73	46.53	65.29	-18.76	QP	
2		0.1633	11.90	9.73	21.63	55.29	-33.66	AVG	
3		0.2578	37.40	9.75	47.15	61.50	-14.35	QP	
4		0.2578	15.70	9.75	25.45	51.50	-26.05	AVG	
5		0.4027	35.10	9.78	44.88	57.80	-12.92	QP	
6		0.4027	15.60	9.78	25.38	47.80	-22.42	AVG	
7	*	0.6800	35.10	9.79	44.89	56.00	-11.11	QP	
8		0.6800	12.80	9.79	22.59	46.00	-23.41	AVG	
9		1.0760	28.20	9.80	38.00	56.00	-18.00	QP	
10		1.0760	8.60	9.80	18.40	46.00	-27.60	AVG	
11		2.4890	31.71	9.87	41.58	56.00	-14.42	QP	
12		2.4890	18.61	9.87	28.48	46.00	-17.52	AVG	

*:Maximum data x:Over limit !:over margin ●Reference Only

File :09-0319-SEO(GSM850+WIFI+ Data :#1 Date: 2010/01/05 Time: 下午 03:17:08



Site : Conducted Phase: *L1* Temperature: 26 ℃

Limit: CISPR22 Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 55 %

EUT: Smartphone

M/N: PB76100

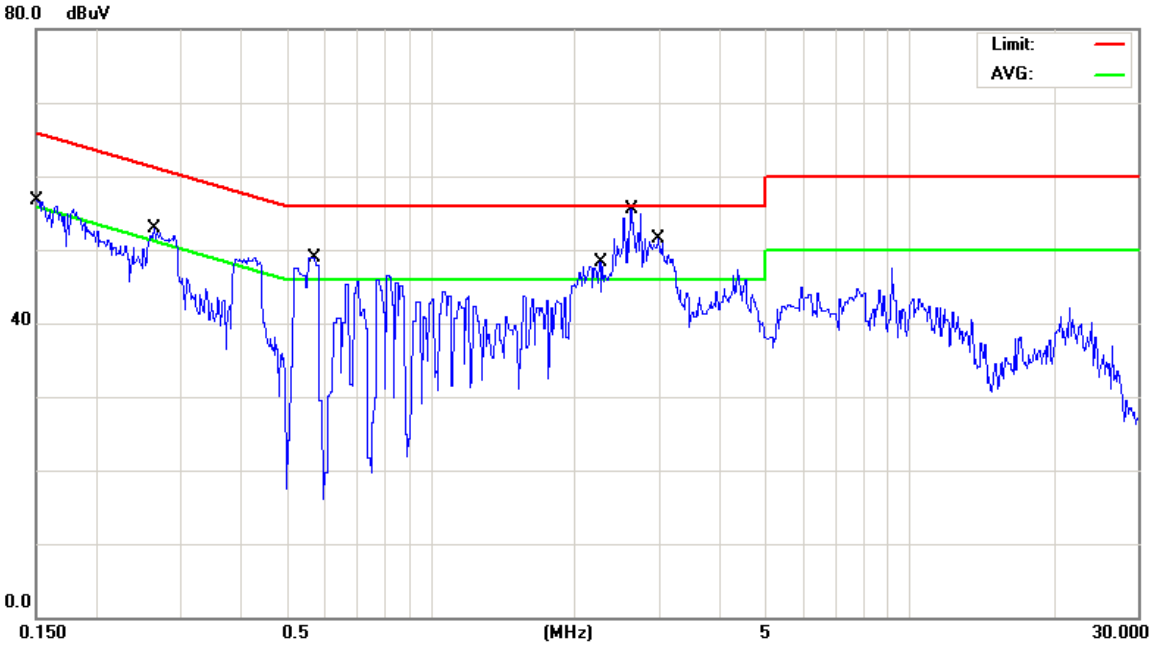
Mode: 2

Note: AC Adapter : #2

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	44.60	9.73	54.33	65.99	-11.66	QP	
2		0.1500	24.00	9.73	33.73	55.99	-22.26	AVG	
3		0.2606	39.60	9.75	49.35	61.41	-12.06	QP	
4		0.2606	22.70	9.75	32.45	51.41	-18.96	AVG	
5		0.5540	34.70	9.79	44.49	56.00	-11.51	QP	
6		0.5540	18.00	9.79	27.79	46.00	-18.21	AVG	
7		2.1829	32.90	9.88	42.78	56.00	-13.22	QP	
8		2.1829	20.70	9.88	30.58	46.00	-15.42	AVG	
9	*	2.6330	40.00	9.93	49.93	56.00	-6.07	QP	
10		2.6330	28.20	9.93	38.13	46.00	-7.87	AVG	
11		3.0920	37.00	9.90	46.90	56.00	-9.10	QP	
12		3.0920	29.20	9.90	39.10	46.00	-6.90	AVG	

*:Maximum data x:Over limit !:over margin ●Reference Only

File :09-0319-SEO(GSM850+WIFI+ Data :#2 Date: 2010/01/05 Time: 下午 03:21:24



Site : Conducted Phase: *L2* Temperature: 26 ℃

Limit: CISPR22 Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 55 %

EUT: Smartphone

M/N: PB76100

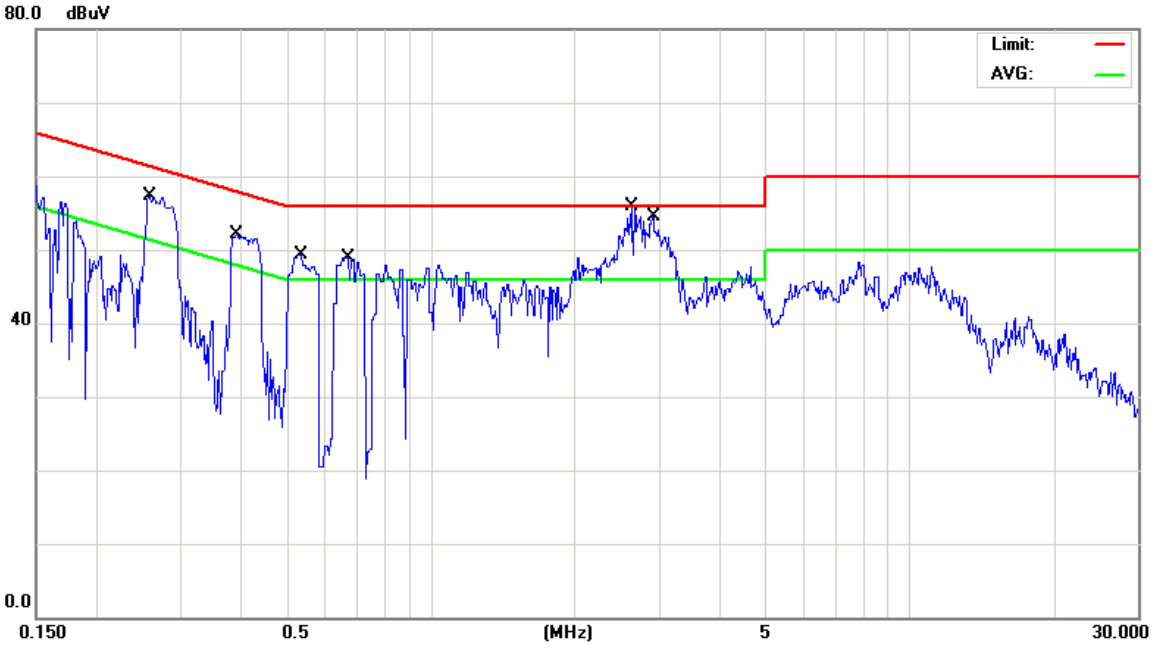
Mode: 2

Note: AC Adapter : #2

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	43.80	9.73	53.53	65.99	-12.46	QP	
2		0.1500	22.40	9.73	32.13	55.99	-23.86	AVG	
3		0.2641	39.40	9.75	49.15	61.30	-12.15	QP	
4		0.2641	21.60	9.75	31.35	51.30	-19.95	AVG	
5		0.5720	34.90	9.79	44.69	56.00	-11.31	QP	
6		0.5720	13.50	9.79	23.29	46.00	-22.71	AVG	
7		2.2550	31.00	9.88	40.88	56.00	-15.12	QP	
8		2.2550	18.90	9.88	28.78	46.00	-17.22	AVG	
9	*	2.6150	38.50	9.93	48.43	56.00	-7.57	QP	
10		2.6150	27.90	9.93	37.83	46.00	-8.17	AVG	
11		2.9930	38.40	9.89	48.29	56.00	-7.71	QP	
12		2.9930	28.40	9.89	38.29	46.00	-7.71	AVG	

*:Maximum data x:Over limit !:over margin ●Reference Only

File :09-0319-SEO(PCS1900+WIFI Data :#1 Date: 2010/01/05 Time: 下午 03:53:58



Site : Conducted Phase: *L1* Temperature: 26 ℃

Limit: CISPR22 Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 55 %

EUT: Smartphone

M/N: PB76100

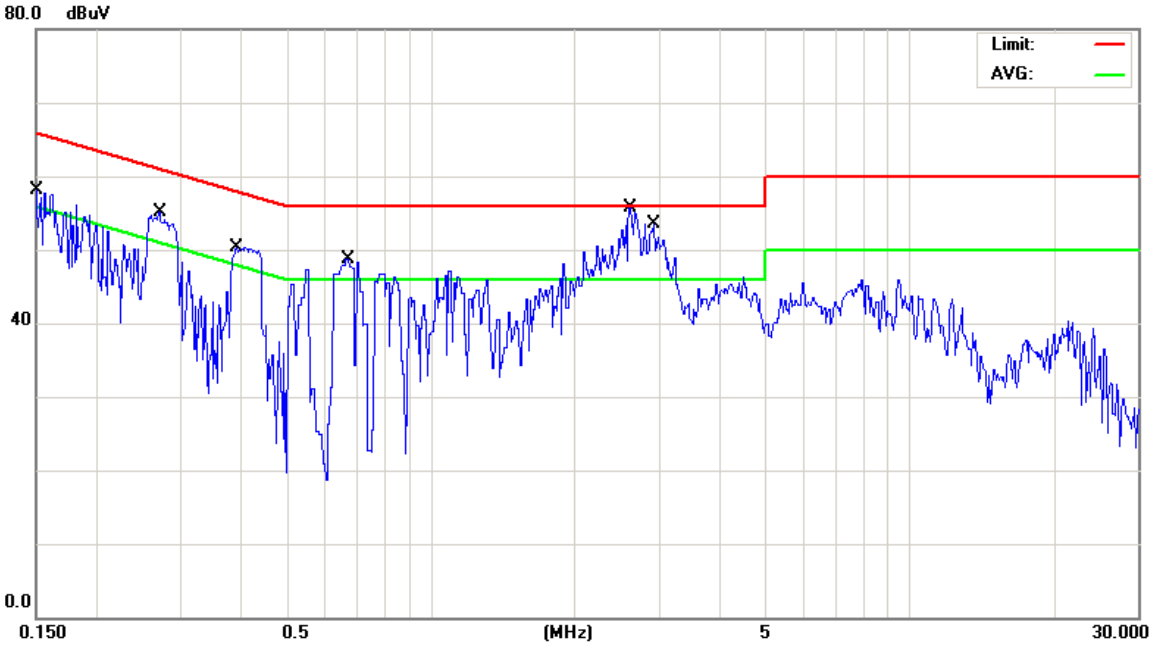
Mode: 3

Note: AC Adapter : #2

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2578	42.60	9.75	52.35	61.50	-9.15	QP	
2		0.2578	23.20	9.75	32.95	51.50	-18.55	AVG	
3		0.3922	37.60	9.78	47.38	58.02	-10.64	QP	
4		0.3922	21.80	9.78	31.58	48.02	-16.44	AVG	
5		0.5360	34.00	9.79	43.79	56.00	-12.21	QP	
6		0.5360	16.20	9.79	25.99	46.00	-20.01	AVG	
7		0.6710	35.70	9.79	45.49	56.00	-10.51	QP	
8		0.6710	18.50	9.79	28.29	46.00	-17.71	AVG	
9	*	2.6330	39.90	9.93	49.83	56.00	-6.17	QP	
10		2.6330	28.50	9.93	38.43	46.00	-7.57	AVG	
11		2.9030	39.80	9.90	49.70	56.00	-6.30	QP	
12		2.9030	28.60	9.90	38.50	46.00	-7.50	AVG	

*:Maximum data x:Over limit !:over margin ●Reference Only

File :09-0319-SEO(PCS1900+WIFI Data :#2 Date: 2010/01/05 Time: 下午 03:56:55



Site : Conducted Phase: *L2* Temperature: 26 ℃

Limit: CISPR22 Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 55 %

EUT: Smartphone

M/N: PB76100

Mode: 3

Note: AC Adapter : #2

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	44.60	9.73	54.33	65.99	-11.66	QP	
2		0.1500	22.10	9.73	31.83	55.99	-24.16	AVG	
3		0.2704	41.10	9.76	50.86	61.10	-10.24	QP	
4		0.2704	22.60	9.76	32.36	51.10	-18.74	AVG	
5		0.3929	36.50	9.78	46.28	58.00	-11.72	QP	
6		0.3929	17.10	9.78	26.88	48.00	-21.12	AVG	
7		0.6710	35.50	9.79	45.29	56.00	-10.71	QP	
8		0.6710	13.60	9.79	23.39	46.00	-22.61	AVG	
9	*	2.5970	39.90	9.93	49.83	56.00	-6.17	QP	
10		2.5970	28.40	9.93	38.33	46.00	-7.67	AVG	
11		2.9210	38.40	9.90	48.30	56.00	-7.70	QP	
12		2.9210	28.60	9.90	38.50	46.00	-7.50	AVG	

*:Maximum data x:Over limit !:over margin ●Reference Only