

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 : PC10120

Test Specification : FCC 47 CFR PART 22H: Oct, 2009
FCC 47 CFR PART 24E: Oct, 2009
CANADA RSS-132 Issue 2: Sep. 2005
CANADA RSS-133 Issue 4: Sep. 2008
ANSI/TIA-603-C 2004

Issue Date : Sep. 16, 2010

Issue by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade City,
Taoyuan County 334, Taiwan R.O.C.
Tel : +886-3-2710188 / Fax : +886-3-2710190



Taiwan Accreditation Foundation accreditation number: 1330

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Revision History

Rev.	Issue Date	Revisions	Revised By
00	Sep. 16, 2010	Initial Issue	

Verification of Compliance

Issued Date: 2010/09/16

Product Type : Smartphone
Applicant : HTC Corporation
Address : No. 23, Xinghua Rd., Taoyuan City, Taoyuan County 330,
Taiwan
Trade Name : HTC
Model Number : PC10120
FCC ID : NM8PC10120
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
CANADA RSS-132 Issue 2: Sep. 2005
CANADA RSS-133 Issue 4: Sep. 2008
ANSI/TIA-603-C 2004
Test Result : Complied
Performing Lab. : A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade City
Taoyuan County 334, Taiwan R.O.C.
Tel : +886-3-2710188 / Fax : +886-3-2710190
Taiwan Accreditation Foundation accreditation number:
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.

Approved By : Miller Lee Reviewed By : Gary Wu
(Manager) (Miller Lee) (Testing Engineer) (Gary Wu)

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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		PC10120			
FCC ID		NM8PC10120			
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
	WCDMA/ HSDPA/ HSUPA	Band	UL Frequency (MHz)	DL Frequency (MHz)	Modulation
		II	1852.4 ~ 1907.6	1932.4 ~ 1987.6	QPSK
		V	826.4 ~ 846.6	871.4 ~ 891.6	QPSK
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 WCDMA/ HSDPA/ HSUPA Band II: 2.30 dBi WCDMA/ HSDPA/ HSUPA Band V: 1.20 dBi			
Max. RF Output power		GSM/GPRS 850: 33.30 dBm / 2.138 W, EGPRS 850: 30.70 dBm / 1.175 W GSM/GPRS 1900: 29.70 dBm / 0.933 W, EGPRS 1900: 25.40 dBm / 0.347 W WCDMA/ HSDPA/ HSUPA Band II: 27.61 dBm / 0.577 W WCDMA/ HSDPA/ HSUPA Band V: 27.83 dBm / 0.607 W			
Max. ERP/EIRP		GSM/GPRS 850: 22.73 dBm / 0.187 W, EGPRS 850: 22.71 dBm / 0.187 W GSM/GPRS 1900: 26.72 dBm / 0.470 W, EGPRS 1900: 26.58 dBm / 0.455 W WCDMA/ HSDPA/ HSUPA Band II: 25.43 dBm / 0.349 W WCDMA/ HSDPA/ HSUPA Band V: 19.85 dBm / 0.097 W			
Emission Designator		GSM/GPRS 850: 245KGXW, EGPRS 850: 245KG7W GSM/GPRS 1900: 246KGXW, EGPRS 1900: 245KG7W WCDMA/ HSDPA/ HSUPA Band II: 4M16F9W WCDMA/ HSDPA/ HSUPA Band V: 4M14F9W			

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: WCDMA Band II Link
Mode 4: WCDMA Band V Link
Mode 5: EGPRS 850 Link
Mode 6: EGPRS 1900 Link
Mode 7: Receiver Mode

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

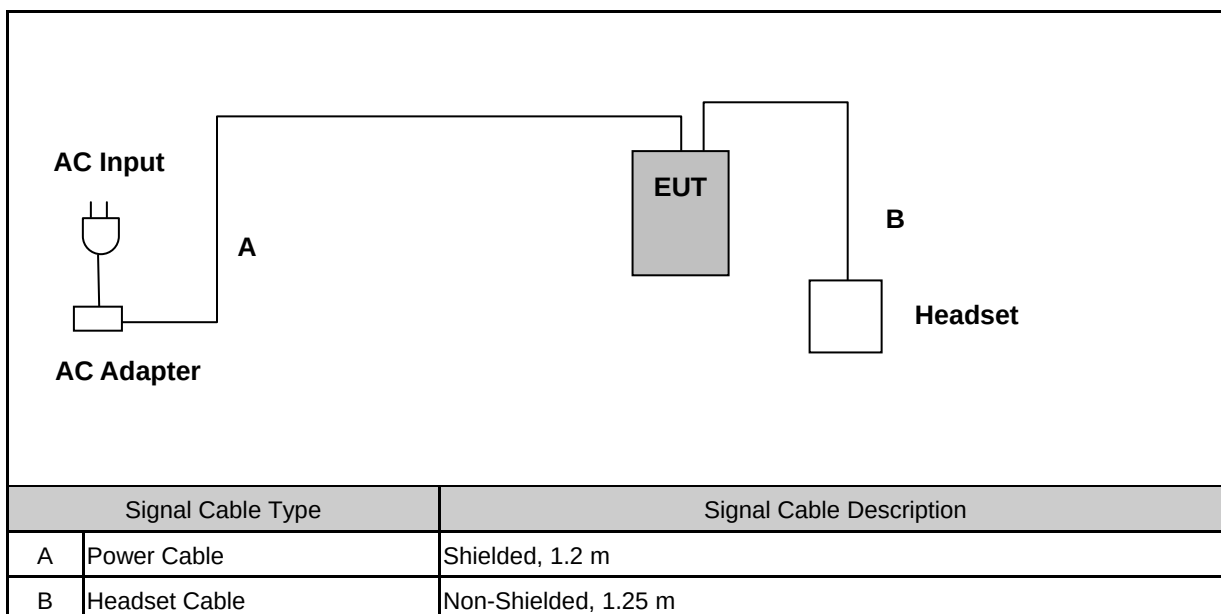
The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

	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

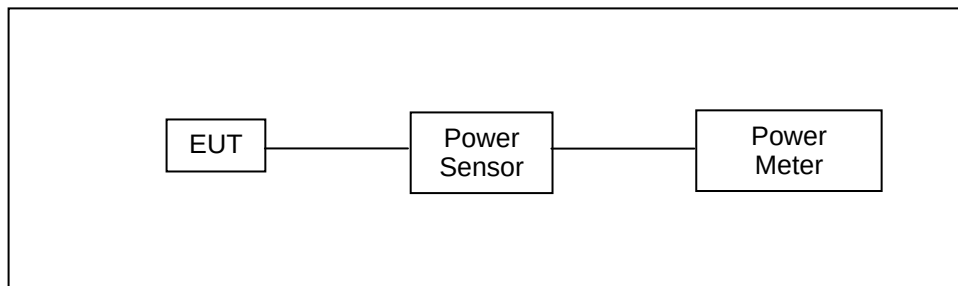
2.2. Test Instruments

Describe	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Universal Radio Communication Tester	ROHDE & SCHWARZ	CMU200	109369	08/10/2010	(1)
Single Channel PK Power Sensor	Agilent	N1911A	MY45101619	07/19/2010	(1)
Wideband Power Meter	Agilent	N1921A	MY45241957	07/19/2010	(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.

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

Model Number	PC10120					
Test Item	RF Output Power					
Date of Test	09/02/2010			Test Site	TE02	
Bands	Data Rate	Frequency (MHz)	Time-Average Conducted Power		Peak Conducted Power	
			(dBm)	(W)	(dBm)	(W)
GSM 850	-----	824.2	23.5	0.224	33.20	2.089
		836.4	23.5	0.224	33.20	2.089
		848.8	23.6	0.230	33.30	2.138
GRRS 850	4Down1Up	824.2	23.4	0.219	33.10	2.042
		836.4	23.3	0.214	33.00	1.995
		848.8	23.5	0.224	33.20	2.089
	3Down2Up	824.2	25.5	0.352	31.90	1.549
		836.4	25.6	0.360	32.00	1.585
		848.8	25.7	0.369	32.10	1.622
EGPRS 850	4Down1Up	824.2	18.0	0.063	30.50	1.122
		836.4	18.2	0.066	30.60	1.148
		848.8	18.3	0.068	30.70	1.175
	3Down2Up	824.2	19.5	0.088	28.90	0.776
		836.4	19.7	0.093	29.20	0.832
		848.8	19.7	0.093	29.30	0.851
GSM 1900	-----	1850.20	20.1	0.103	29.50	0.891
		1880.00	20.0	0.100	29.40	0.871
		1909.80	20.3	0.107	29.70	0.933
GRRS 1900	4Down1Up	1850.20	20.0	0.100	29.40	0.871
		1880.00	19.9	0.098	29.30	0.851
		1909.80	19.8	0.096	29.20	0.832
	3Down2Up	1850.20	22.2	0.165	28.60	0.724
		1880.00	22.3	0.169	28.60	0.724
		1909.80	22.7	0.185	29.10	0.813
EGPRS 1900	4Down1Up	1850.20	15.7	0.037	25.00	0.316
		1880.00	15.7	0.037	25.10	0.324
		1909.80	16.1	0.041	25.40	0.347
	3Down2Up	1850.20	18.6	0.072	25.00	0.316
		1880.00	18.6	0.072	25.10	0.324
		1909.80	18.9	0.077	25.30	0.339

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

Model Number	PC10120					
Test Item	RF Output Power					
Date of Test	09/02/2010			Test Site	TE02	
Bands	Sub-Test	Frequency (MHz)	Average Burst Conducted Power		Peak Conducted Power	
			(dBm)	(W)	(dBm)	(W)
WCDMA Band II	-----	1852.4	23.92	0.247	27.02	0.504
		1880.0	24.38	0.274	27.61	0.577
		1907.6	24.09	0.256	27.16	0.520
HSDPA Band II	1	1852.4	21.80	0.151	24.90	0.309
		1880.0	22.08	0.161	25.31	0.340
		1907.6	22.03	0.160	25.10	0.324
	2	1852.4	21.72	0.149	24.82	0.303
		1880.0	22.06	0.161	25.29	0.338
		1907.6	22.01	0.159	25.08	0.322
	3	1852.4	21.45	0.140	24.55	0.285
		1880.0	21.76	0.150	24.99	0.316
		1907.6	21.66	0.147	24.73	0.297
	4	1852.4	21.43	0.139	24.53	0.284
		1880.0	21.73	0.149	24.96	0.313
		1907.6	21.60	0.145	24.67	0.293
HSUPA Band II	1	1852.4	22.14	0.164	25.24	0.334
		1880.0	22.76	0.189	25.99	0.397
		1907.6	22.02	0.159	25.09	0.323
	2	1852.4	20.30	0.107	23.40	0.219
		1880.0	20.89	0.123	24.12	0.258
		1907.6	20.21	0.105	23.28	0.213
	3	1852.4	21.21	0.132	24.31	0.270
		1880.0	21.85	0.153	25.08	0.322
		1907.6	21.15	0.130	24.22	0.264
	4	1852.4	20.27	0.106	23.37	0.217
		1880.0	20.86	0.122	24.09	0.256
		1907.6	20.22	0.105	23.29	0.213
	5	1852.4	22.12	0.163	25.22	0.333
		1880.0	22.73	0.187	25.96	0.394
		1907.6	22.01	0.159	25.08	0.322

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

Model Number	PC10120					
Test Item	RF Output Power					
Date of Test	09/02/2010			Test Site	TE02	
Bands	Sub-Test	Frequency (MHz)	Average Burst Conducted Power		Peak Conducted Power	
			(dBm)	(W)	(dBm)	(W)
WCDMA Band V	-----	826.4	24.57	0.286	27.82	0.605
		836.4	24.78	0.301	27.83	0.607
		846.4	23.85	0.243	27.26	0.532
HSDPA Band V	1	826.4	23.11	0.205	26.36	0.433
		836.4	23.24	0.211	26.16	0.413
		846.4	23.19	0.208	26.60	0.457
	2	826.4	23.08	0.203	26.33	0.430
		836.4	23.20	0.209	26.13	0.410
		846.4	23.15	0.207	26.56	0.453
	3	826.4	22.73	0.187	25.98	0.396
		836.4	22.85	0.193	25.78	0.378
		846.4	22.78	0.190	26.19	0.416
	4	826.4	22.67	0.185	25.92	0.391
		836.4	22.83	0.192	25.72	0.373
		846.4	22.80	0.191	26.21	0.418
HSUPA Band V	1	826.4	22.25	0.168	25.50	0.355
		836.4	22.99	0.199	25.30	0.339
		846.4	22.64	0.184	26.05	0.403
	2	826.4	20.35	0.108	23.60	0.229
		836.4	21.03	0.127	23.40	0.219
		846.4	20.73	0.118	24.14	0.259
	3	826.4	21.33	0.136	24.58	0.287
		836.4	22.10	0.162	24.38	0.274
		846.4	21.71	0.148	25.12	0.325
	4	826.4	20.31	0.107	23.56	0.227
		836.4	21.01	0.126	23.36	0.217
		846.4	20.72	0.118	24.13	0.259
	5	826.4	22.20	0.166	25.45	0.351
		836.4	22.94	0.197	25.25	0.335
		846.4	22.60	0.182	26.01	0.399

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

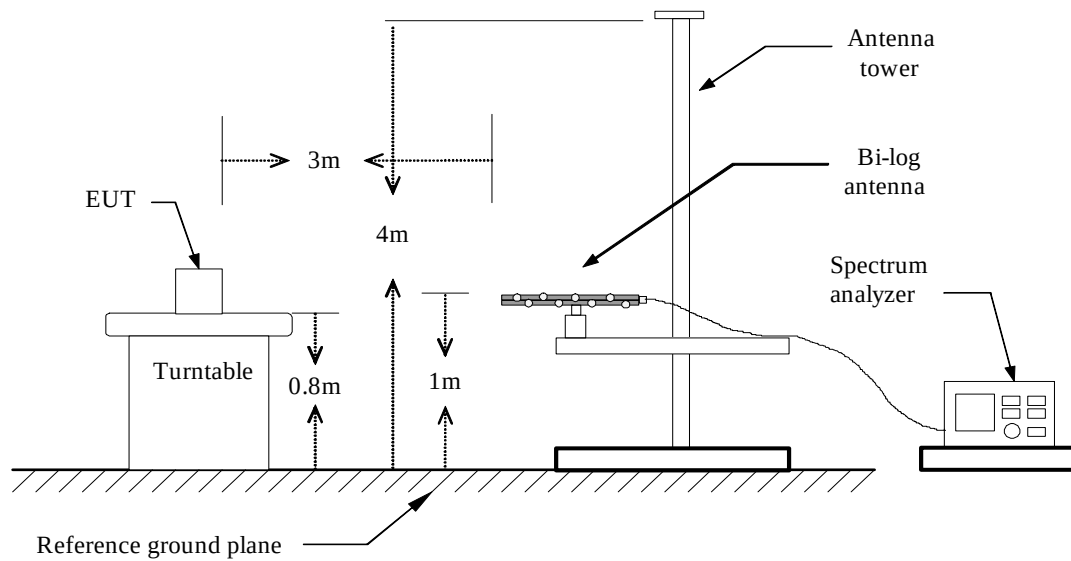
3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/07/2009	(2)
Spectrum Analyzer	Agilent	E4446A	MY46180578	02/24/2010	(1)
Pre Amplifier	Agilent	8449B	3008A02237	02/24/2010	(1)
Pre Amplifier	Agilent	8447D	2944A10961	02/24/2010	(1)
Bi-log Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	08/02/2010	(1)
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/29/2010	(1)
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	06/29/2010	(1)
Test Site	ATL	TE01	888001	07/30/2010	(1)

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

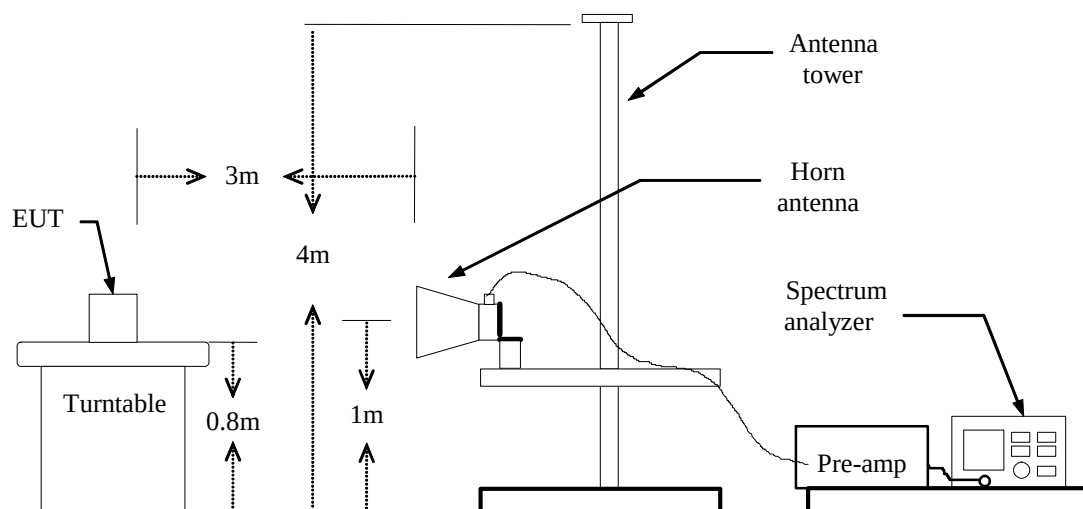
NOTE: N.C.R. = No Calibration Request.

3.3. Setup

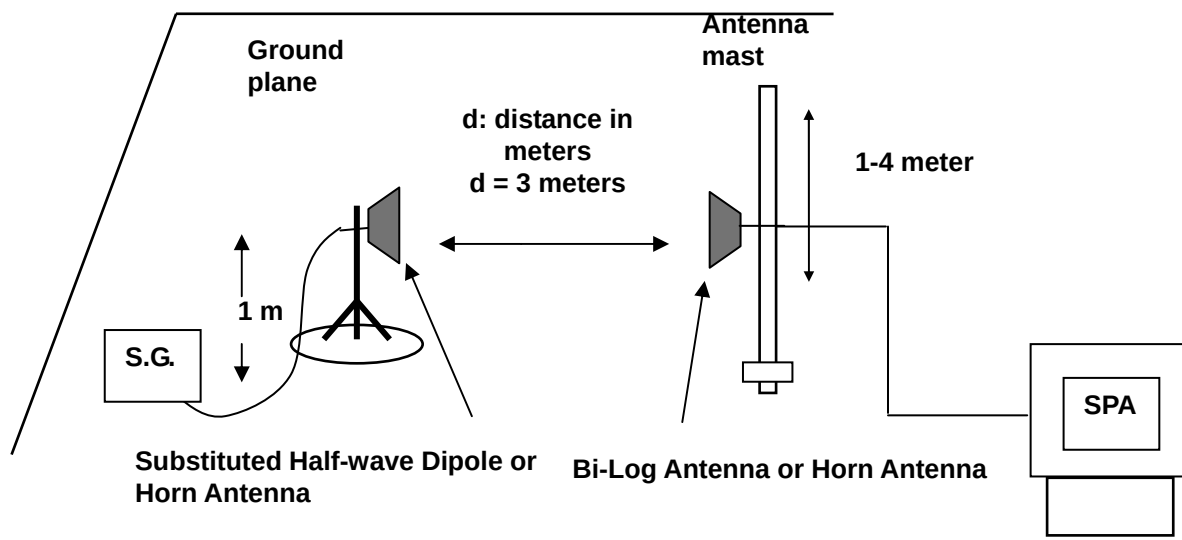
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



3.4. Test Procedure

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

The EUT was placed on a non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.

During the measurement of the EUT, the resolution bandwidth was set to 3MHz and the average bandwidth was set to 3MHz. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna. The reading was recorded and the field strength (E in dBuV/m) was calculated.

ERP in frequency band 824-849MHz, and EIRP in frequency band 1851.25 –1910MHz were measured using a substitution method. The EUT was replaced by half-wave dipole (824-849MHz) or horn antenna (1851.25-1910MHz) connected to a signal generator. The spectrum analyzer reading was recorded and ERP/EIRP was calculated as follows:

$$\text{ERP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable (dB)}$$

$$\text{EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable (dB)}$$

3.5. Uncertainty

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

3.6. Test Result

Model Number	PC10120						
Test Item	ERP/EIRP						
Test Mode	Mode 1: GSM 850 Link						
Date of Test	09/02/2010				Test Site	TE01	
Bands	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction factor (dBm)	ERP		Limit
					(dBm)	(W)	
GSM 850	824.2	H	10.97	8.62	19.59	0.091	< 7W
		V	11.02	7.78	18.80	0.076	< 7W
	836.4	H	10.85	10.34	21.19	0.132	< 7W
		V	10.93	8.03	18.96	0.079	< 7W
	848.8	H	10.93	11.80	22.73	0.187	< 7W
		V	10.94	8.04	18.98	0.079	< 7W
EGPRS 850	824.2	H	11.07	8.59	19.66	0.092	< 7W
		V	10.95	7.78	18.73	0.075	< 7W
	836.4	H	11.00	10.34	21.34	0.136	< 7W
		V	10.81	8.02	18.83	0.076	< 7W
	848.8	H	10.91	11.80	22.71	0.187	< 7W
		V	10.87	8.05	18.92	0.078	< 7W

Model Number	PC10120						
Test Item	ERP/EIRP						
Test Mode	Mode 2: GSM 1900 Link						
Date of Test	09/02/2010				Test Site	TE01	
Bands	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction factor (dBm)	EIRP		Limit
					(dBm)	(W)	
GSM 1900	1850.20	H	15.58	10.42	26.00	0.398	< 2W
		V	18.06	8.26	26.32	0.429	< 2W
	1880.00	H	14.59	10.44	25.03	0.318	< 2W
		V	18.07	8.50	26.57	0.454	< 2W
	1909.80	H	15.03	10.43	25.46	0.352	< 2W
		V	17.99	8.73	26.72	0.470	< 2W
EGPRS 1900	1850.20	H	14.97	10.42	25.39	0.346	< 2W
		V	17.91	8.26	26.17	0.414	< 2W
	1880.00	H	14.23	10.44	24.67	0.293	< 2W
		V	17.98	8.50	26.48	0.445	< 2W
	1909.80	H	14.45	10.43	24.88	0.308	< 2W
		V	17.86	8.72	26.58	0.455	< 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.

Model Number	PC10120						
Test Item	ERP/EIRP						
Test Mode	Mode 3: WCDMA Band II Link						
Date of Test	09/02/2010				Test Site	TE01	
Bands	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction factor (dBm)	EIRP		Limit
					(dBm)	(W)	
WCDMA Band II	1852.4	H	13.26	10.42	23.68	0.233	< 2W
		V	16.84	8.29	25.13	0.326	< 2W
	1880.0	H	13.24	10.43	23.67	0.233	< 2W
		V	16.94	8.49	25.43	0.349	< 2W
	1907.6	H	11.87	10.44	22.31	0.170	< 2W
		V	16.06	8.69	24.75	0.299	< 2W

Model Number	PC10120						
Test Item	ERP/EIRP						
Test Mode	Mode 4: WCDMA Band V Link						
Date of Test	09/02/2010				Test Site	TE01	
Bands	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction factor (dBm)	ERP		Limit
					(dBm)	(W)	
WCDMA Band V	826.4	H	6.19	9.08	15.27	0.034	< 7W
		V	6.13	7.85	13.98	0.025	< 7W
	836.4	H	8.60	10.38	18.98	0.079	< 7W
		V	7.49	8.01	15.50	0.035	< 7W
	846.4	H	8.13	11.72	19.85	0.097	< 7W
		V	6.89	8.06	14.95	0.031	< 7W

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.

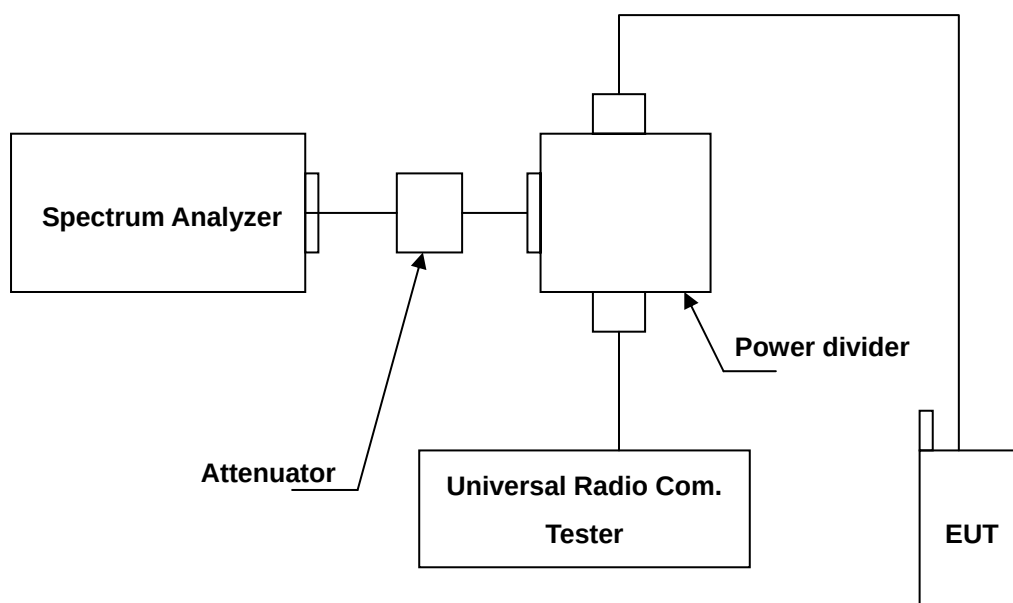
4.2. Test Instruments

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	08/10/2010	(1)
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

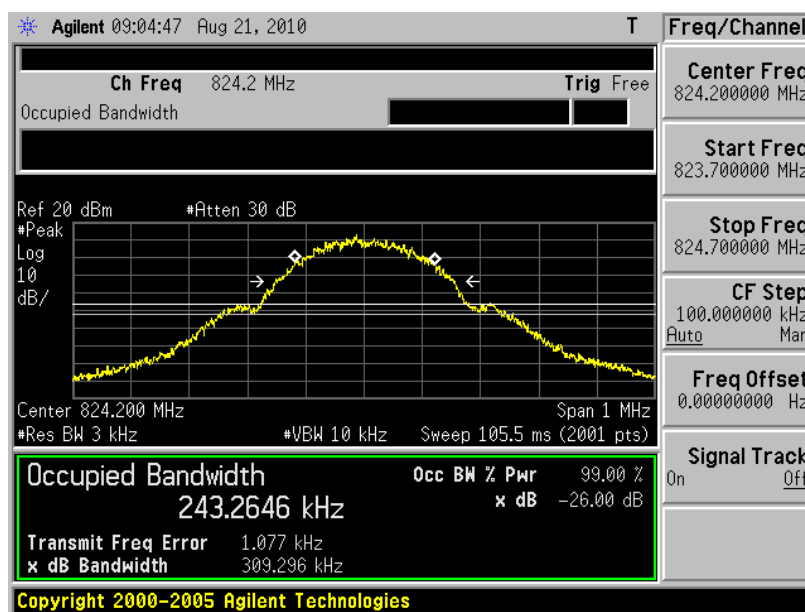
The measurement uncertainty is defined as $\pm 10\text{Hz}$

4.6. Test Result

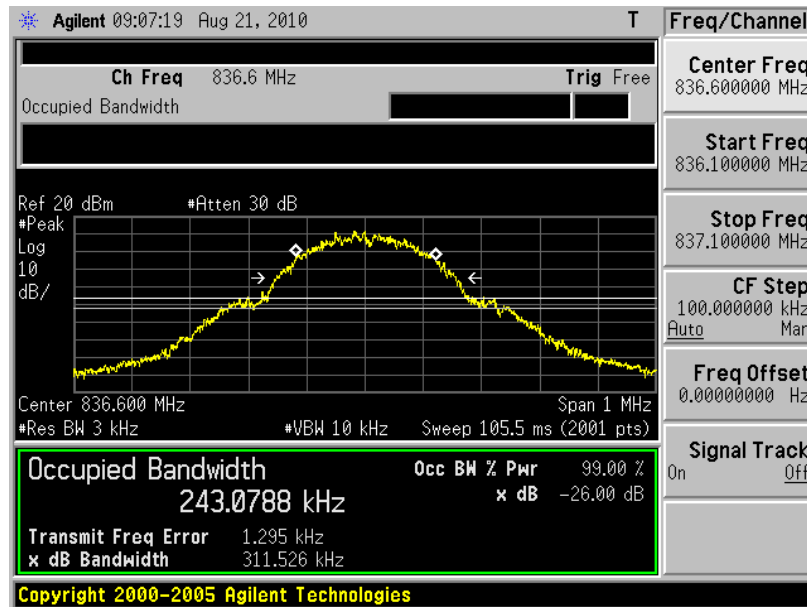
99% Occupied Bandwidth

Model Number	PC10120		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: GSM 850 Link		
Date of Test	08/21/2010	Test Site	TE02
Channel No.	Frequency (MHz)	99% Bandwidth (kHz)	Note
128	824.2	243.2646	RBW:3KHz , VBW:10KHz
190	836.4	243.0788	RBW:3KHz , VBW:10KHz
251	848.8	245.5123	RBW:3KHz , VBW:10KHz

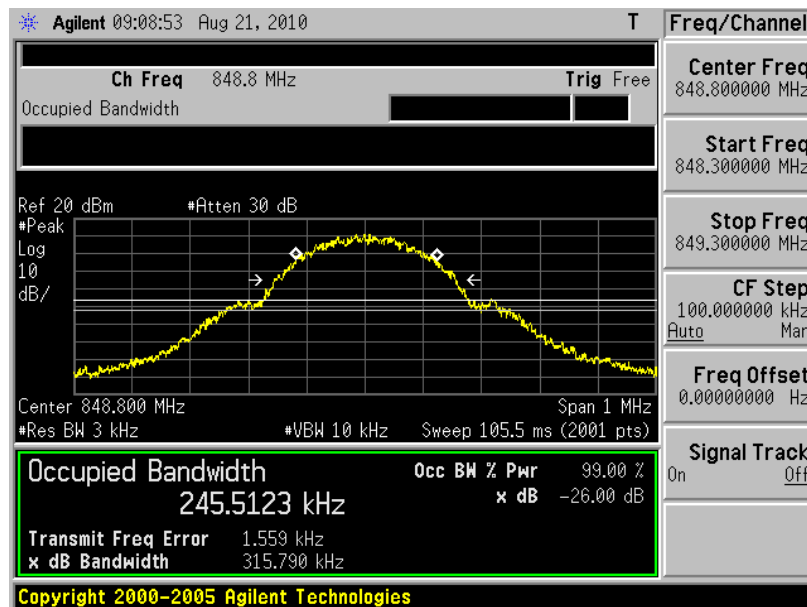
Channel 128



Channel 190

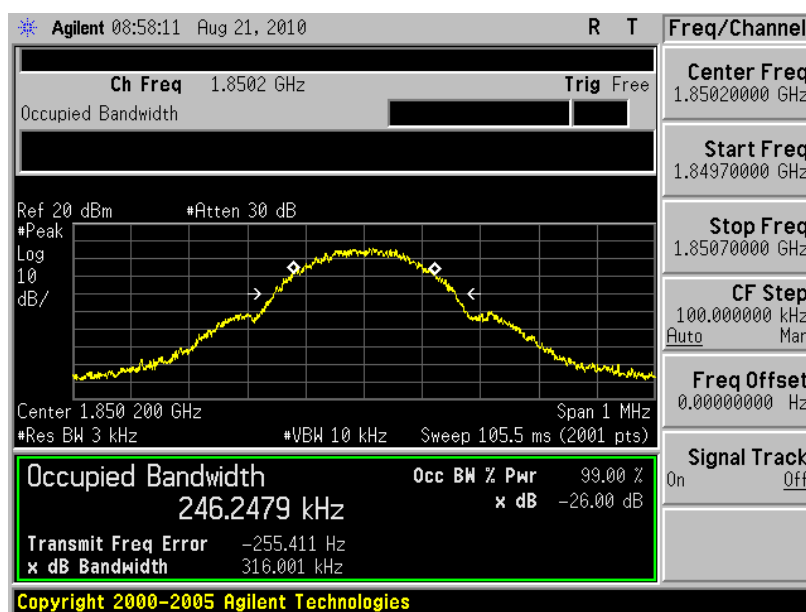


Channel 251

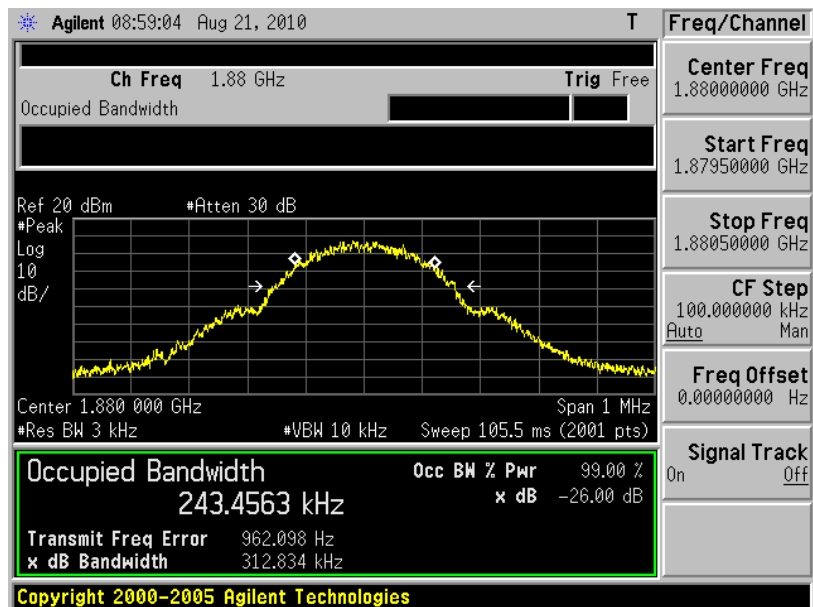


Model Number	PC10120		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: GSM 1900 Link		
Date of Test	08/21/2010	Test Site	TE02
Channel No.	Frequency (MHz)	99% Bandwidth (kHz)	Note
512	1850.20	246.2479	RBW:3KHz , VBW:10KHz
661	1880.00	243.4563	RBW:3KHz , VBW:10KHz
810	1909.80	242.3590	RBW:3KHz , VBW:10KHz

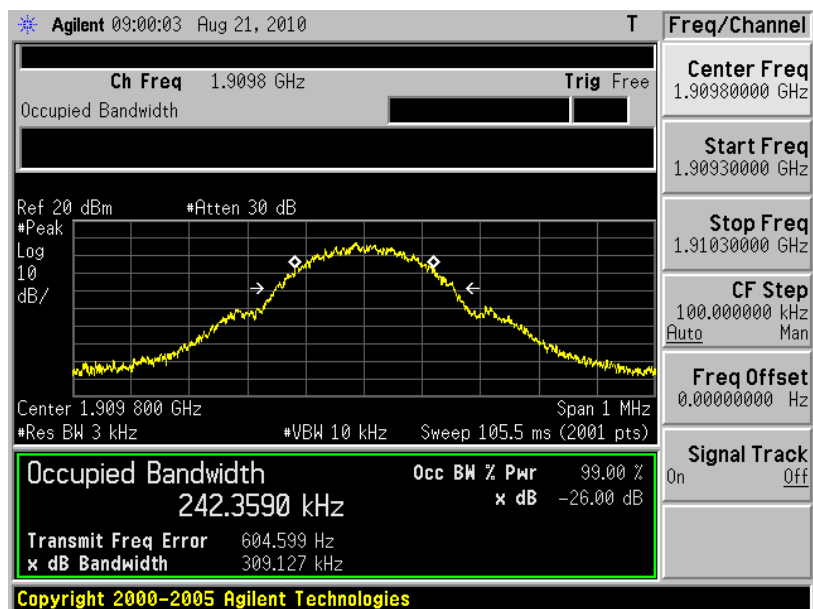
Channel 512



Channel 661

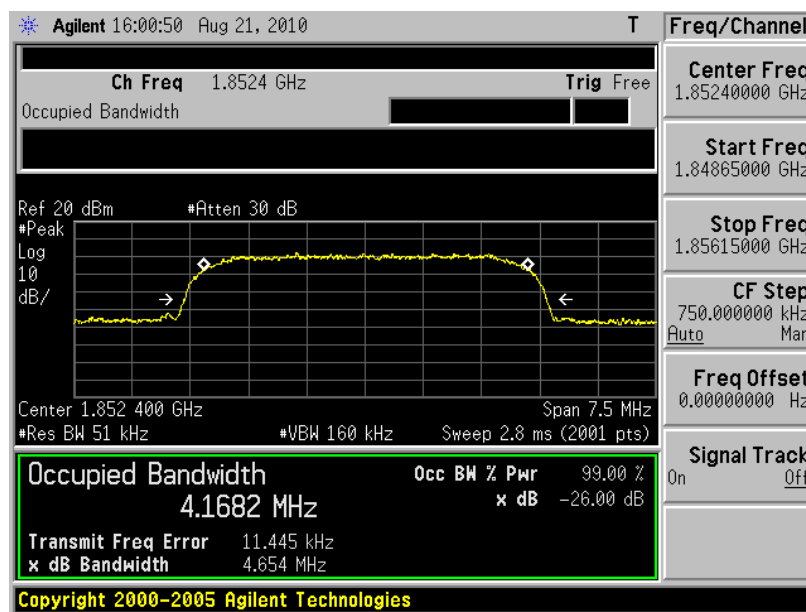


Channel 810

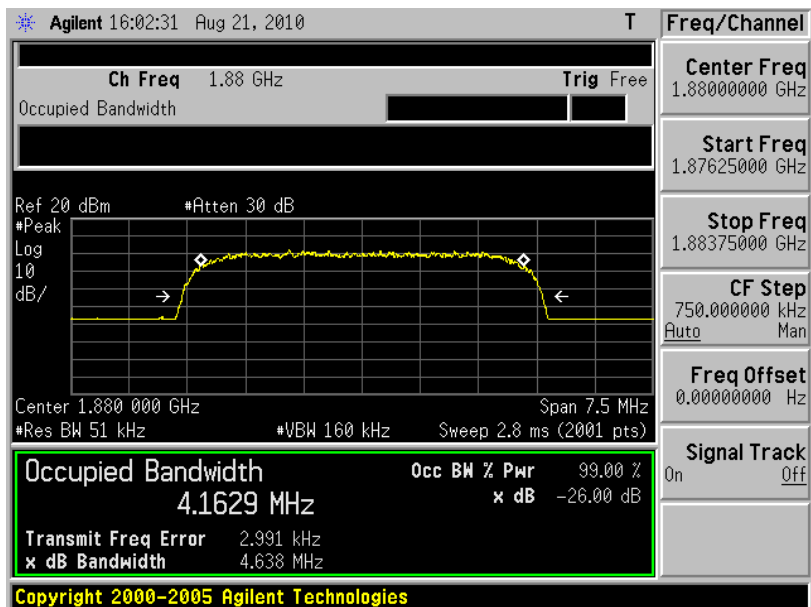


Model Number	PC10120		
Test Item	Occupied Bandwidth		
Test Mode	Mode 3: WCDMA Band II Link		
Date of Test	08/21/2010	Test Site	TE02
Channel No.	Frequency (MHz)	99% Bandwidth (MHz)	Note
9262	1852.4	4168.2	RBW:51KHz , VBW:160KHz
9400	1880.0	4162.9	RBW:51KHz , VBW:160KHz
9538	1907.6	4151.1	RBW:51KHz , VBW:160KHz

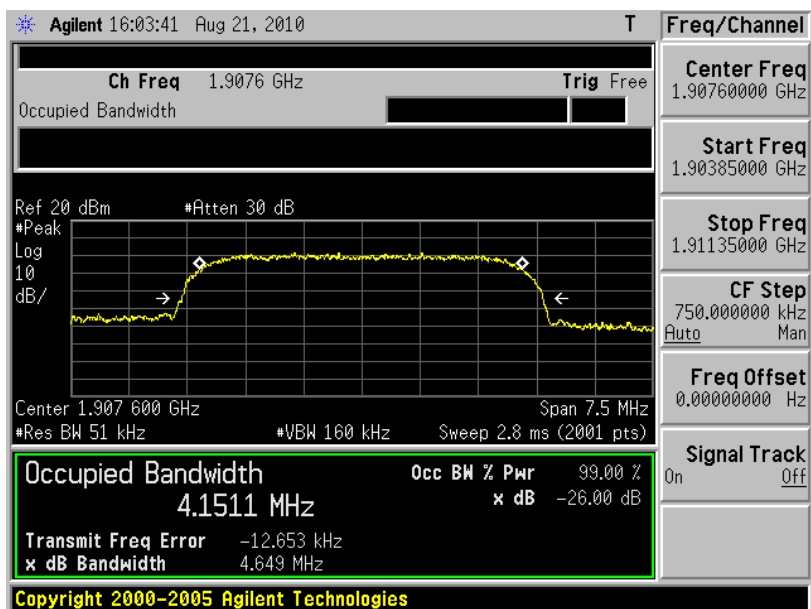
Channel 9262



Channel 9400

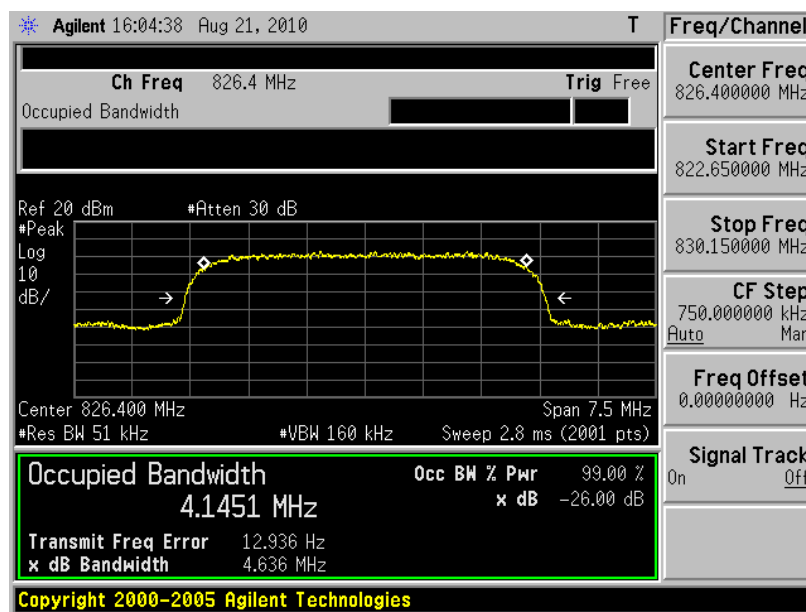


Channel 9538

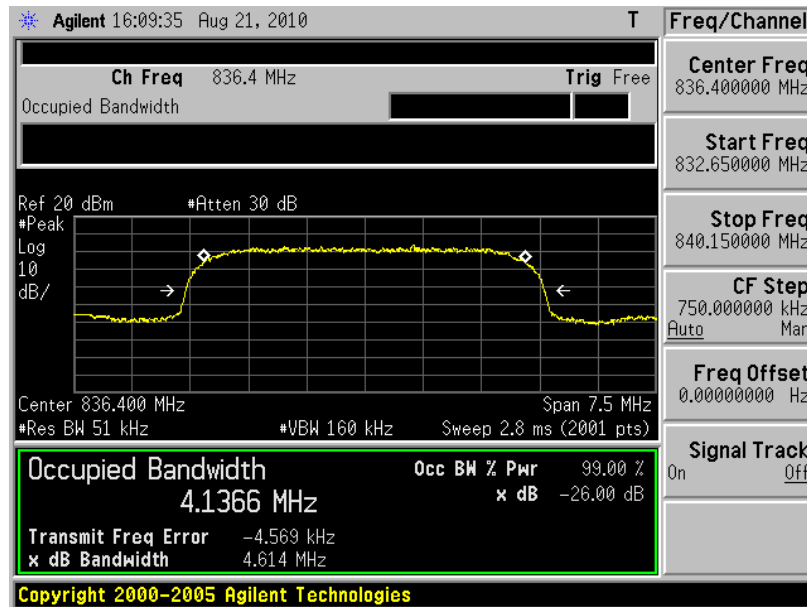


Model Number	PC10120		
Test Item	Occupied Bandwidth		
Test Mode	Mode 4: WCDMA Band V Link		
Date of Test	08/21/2010	Test Site	TE02
Channel No.	Frequency (MHz)	99% Bandwidth (kHz)	Note
4132	826.4	4145.1	RBW:51KHz , VBW:160KHz
4182	836.4	4136.6	RBW:51KHz , VBW:160KHz
4233	846.4	4138.7	RBW:51KHz , VBW:160KHz

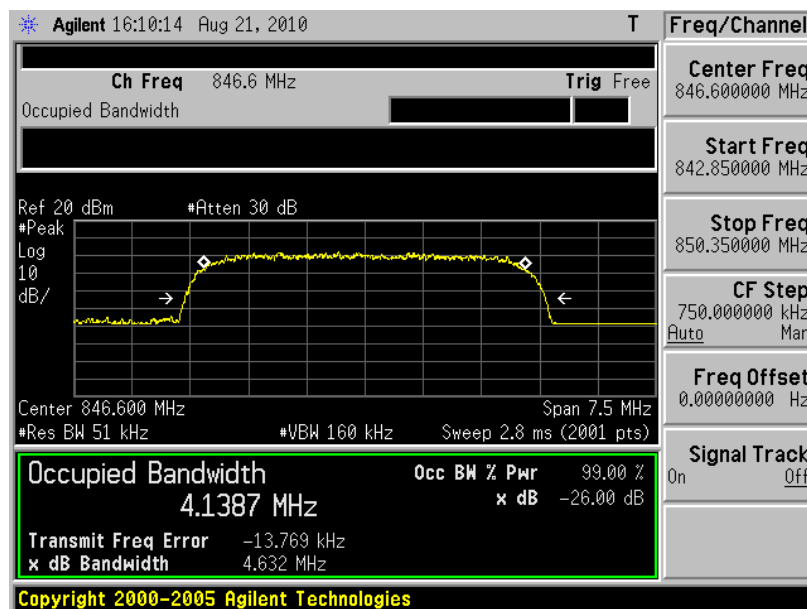
Channel 4132



Channel 4182

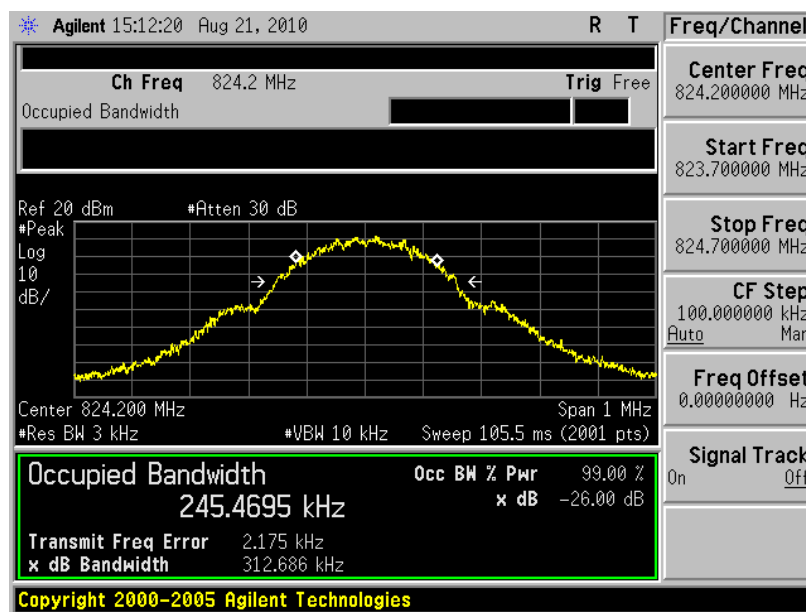


Channel 4233

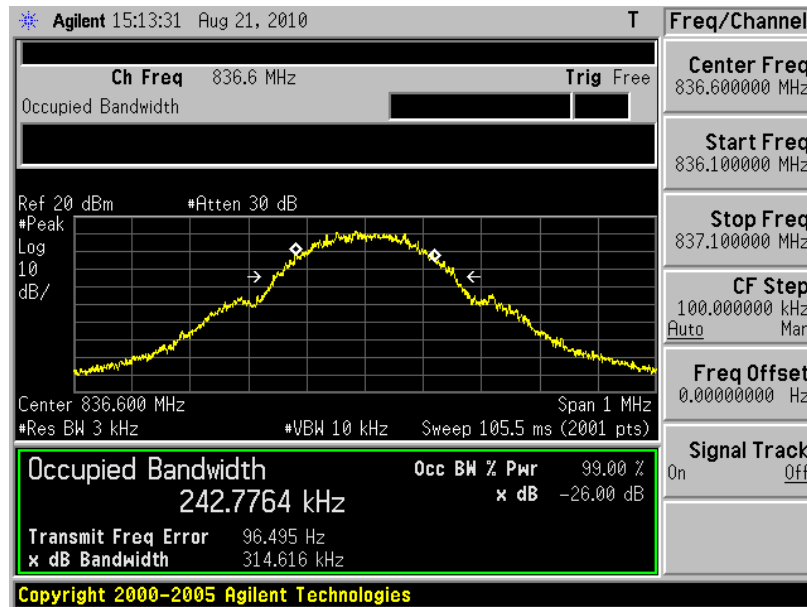


Model Number	PC10120		
Test Item	Occupied Bandwidth		
Test Mode	Mode 5: EGPRS 850 Link		
Date of Test	08/21/2010	Test Site	TE02
Channel No.	Frequency (MHz)	99% Bandwidth (kHz)	Note
128	824.2	245.4695	RBW:3KHz , VBW:10KHz
190	836.4	242.7764	RBW:3KHz , VBW:10KHz
251	848.8	243.6106	RBW:3KHz , VBW:10KHz

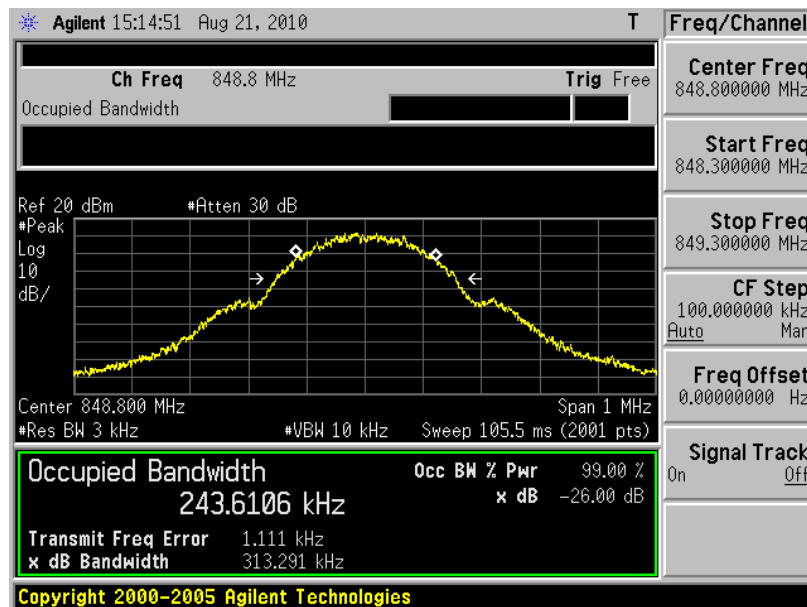
Channel 128



Channel 190

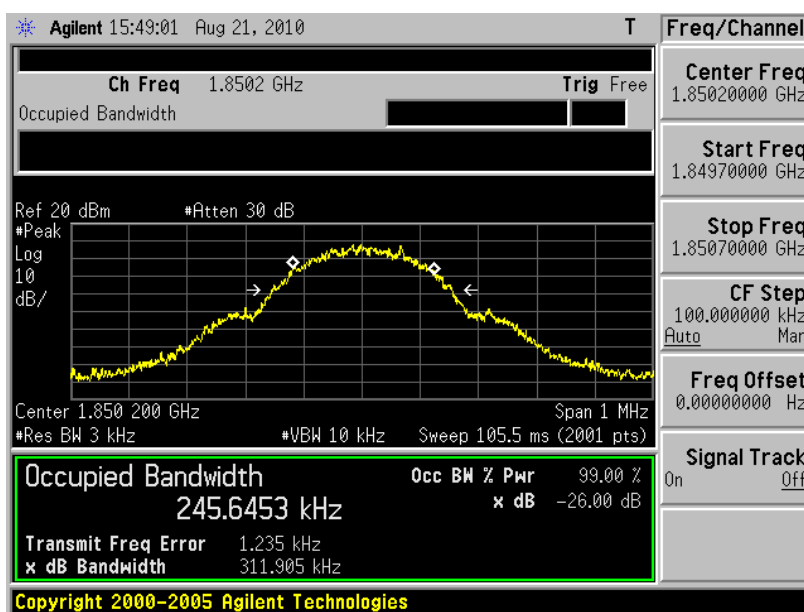


Channel 251

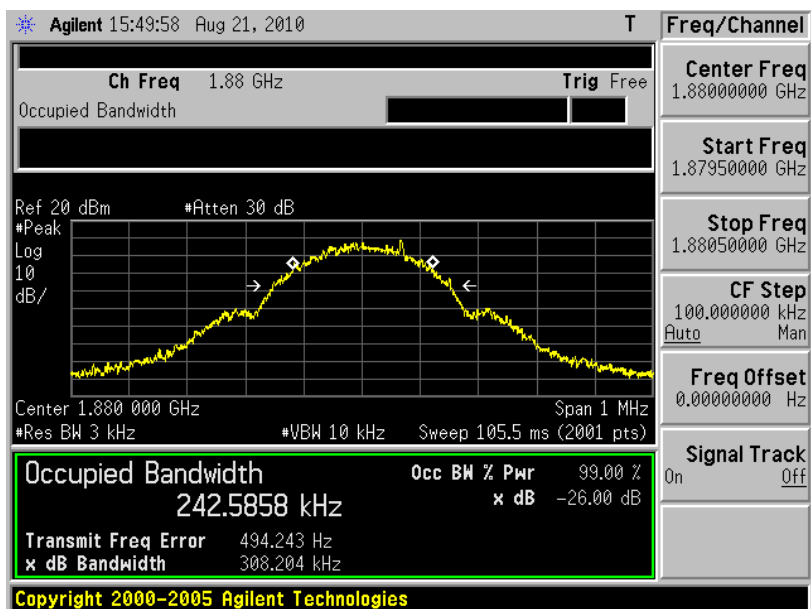


Model Number	PC10120		
Test Item	Occupied Bandwidth		
Test Mode	Mode 6: EGPRS 1900 Link		
Date of Test	08/21/2010	Test Site	TE02
Channel No.	Frequency (MHz)	99% Bandwidth (kHz)	Note
512	1850.20	245.6453	RBW:3KHz , VBW:10KHz
661	1880.00	242.5858	RBW:3KHz , VBW:10KHz
810	1909.80	243.5987	RBW:3KHz , VBW:10KHz

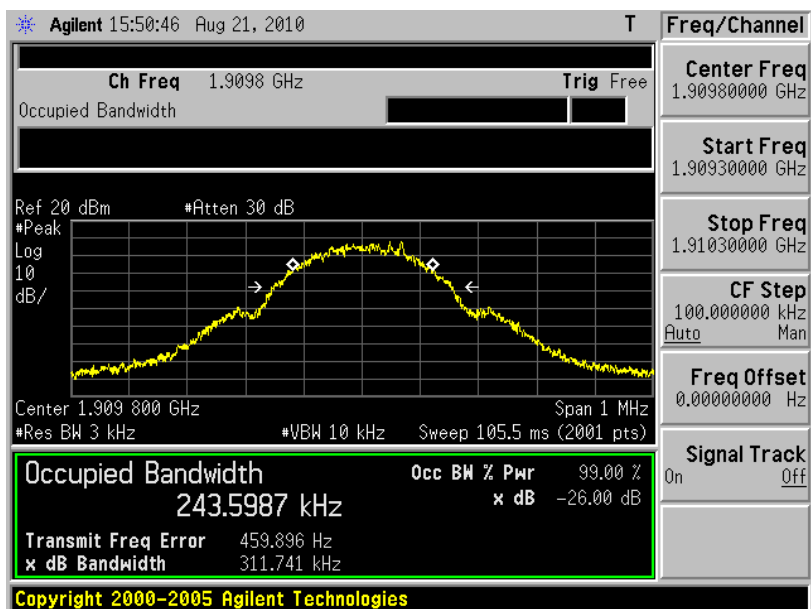
Channel 512



Channel 661



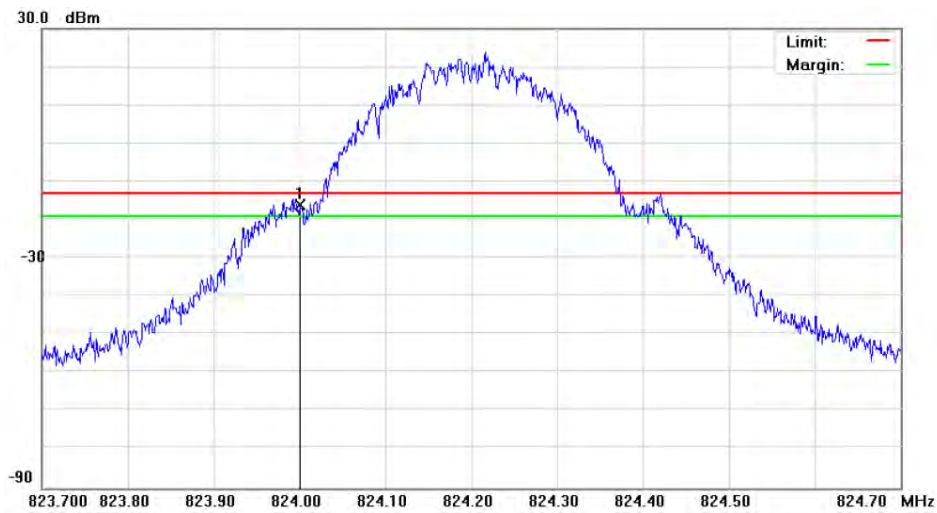
Channel 810



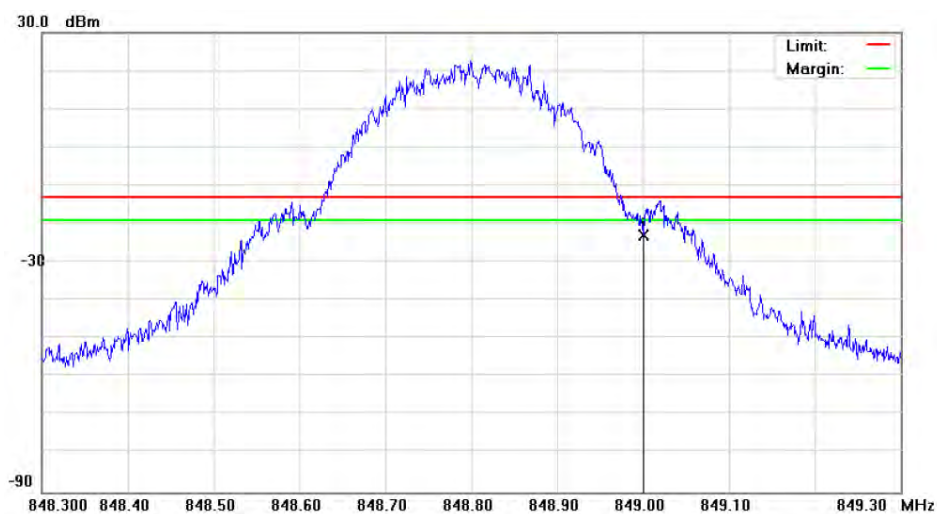
Band Edge

Model Number	PC10120				
Test Item	Band Edge				
Test Mode	Mode 1: GSM 850 Link				
Date of Test	08/19/2010		Test Site	TE02	
Band	Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)	Result
Lower	128	824.0000	-16.02	-13	Pass
Higher	251	849.0000	-22.93	-13	Pass

Lower Band

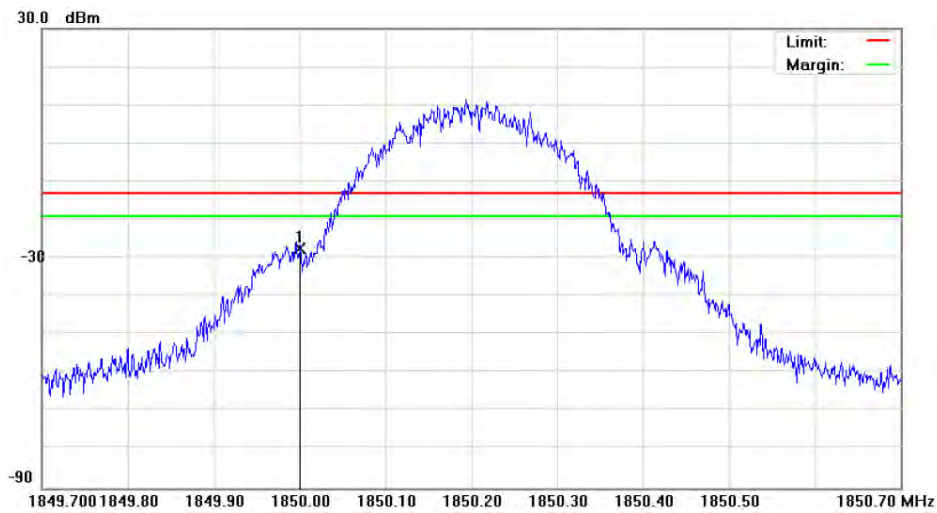


Higher Band

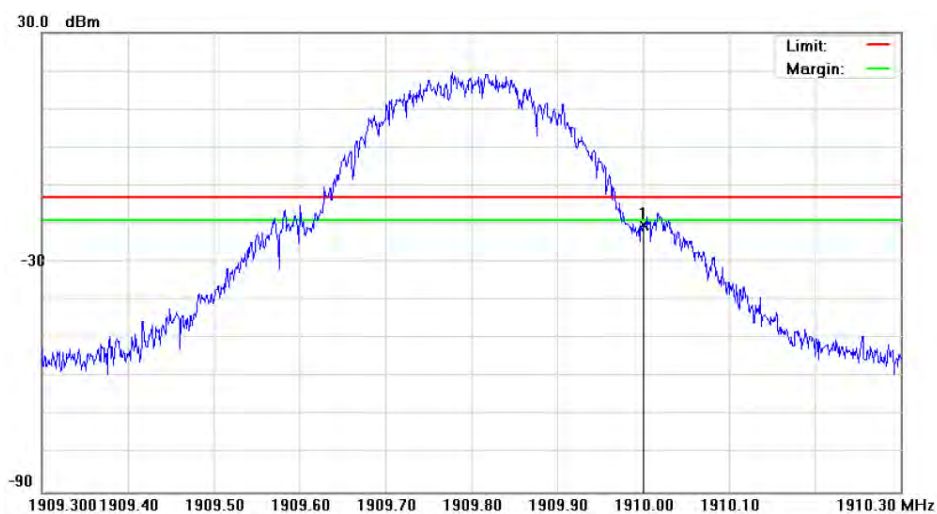


Model Number	PC10120				
Test Item	Band Edge				
Test Mode	Mode 2: GSM 1900 Link				
Date of Test	08/19/2010		Test Site	TE02	
Band	Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)	Result
Lower	512	1850.000	-27.50	-13	Pass
Higher	810	1910.000	-20.13	-13	Pass

Lower Band

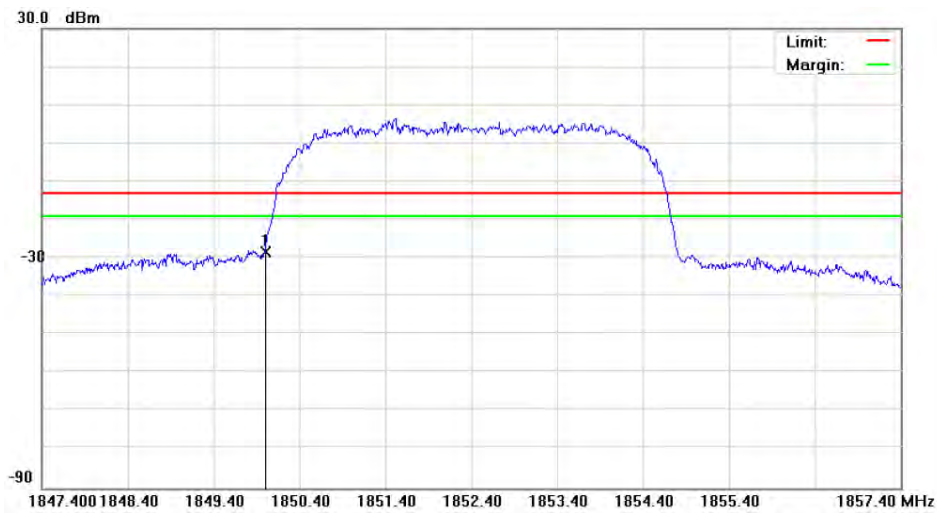


Higher Band

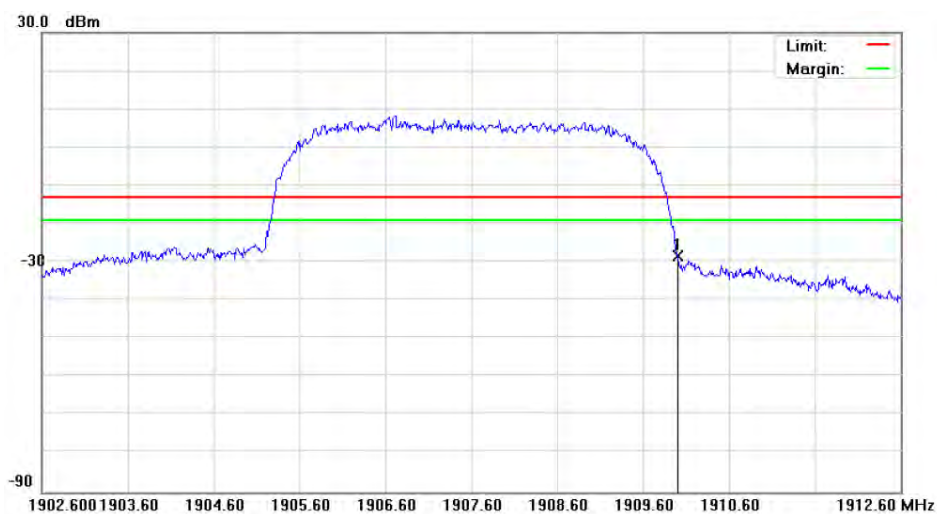


Model Number	PC10120				
Test Item	Band Edge				
Test Mode	Mode 3: WCDMA Band II Link				
Date of Test	08/20/2010		Test Site	TE02	
Band	Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)	Result
Lower	9262	1850.000	-28.23	-13	Pass
Higher	9538	1910.000	-28.27	-13	Pass

Lower Band

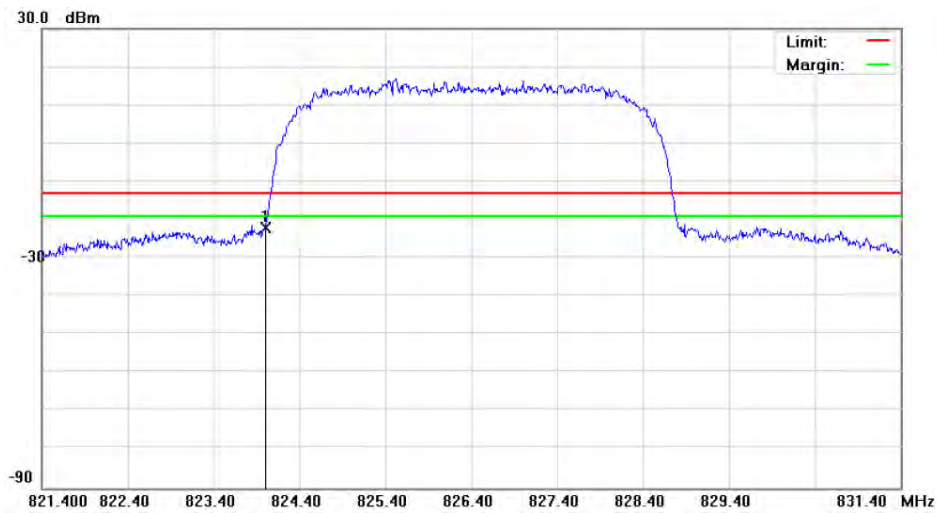


Higher Band

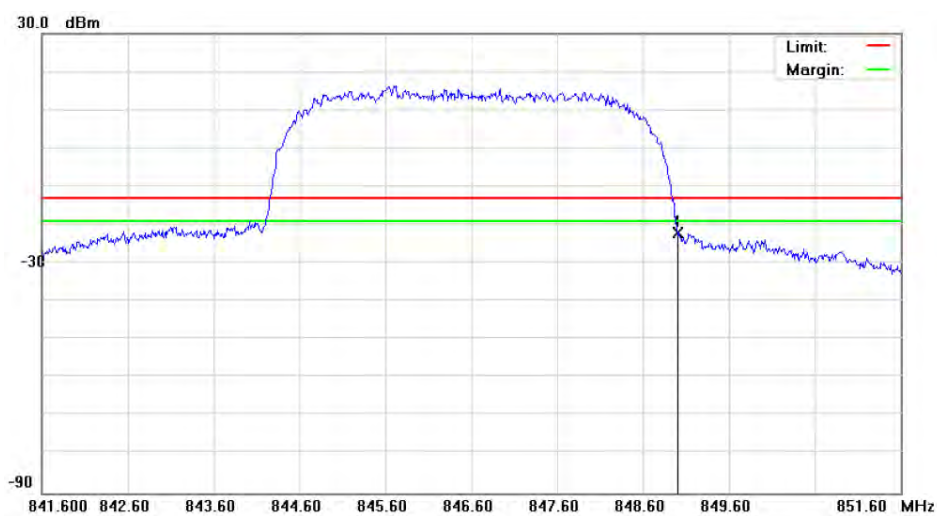


Model Number	PC10120				
Test Item	Band Edge				
Test Mode	Mode 4: WCDMA Band V Link				
Date of Test	08/20/2010		Test Site	TE02	
Band	Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)	Result
Lower	4132	824.0000	-22.01	-13	Pass
Higher	4233	849.0000	-22.06	-13	Pass

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

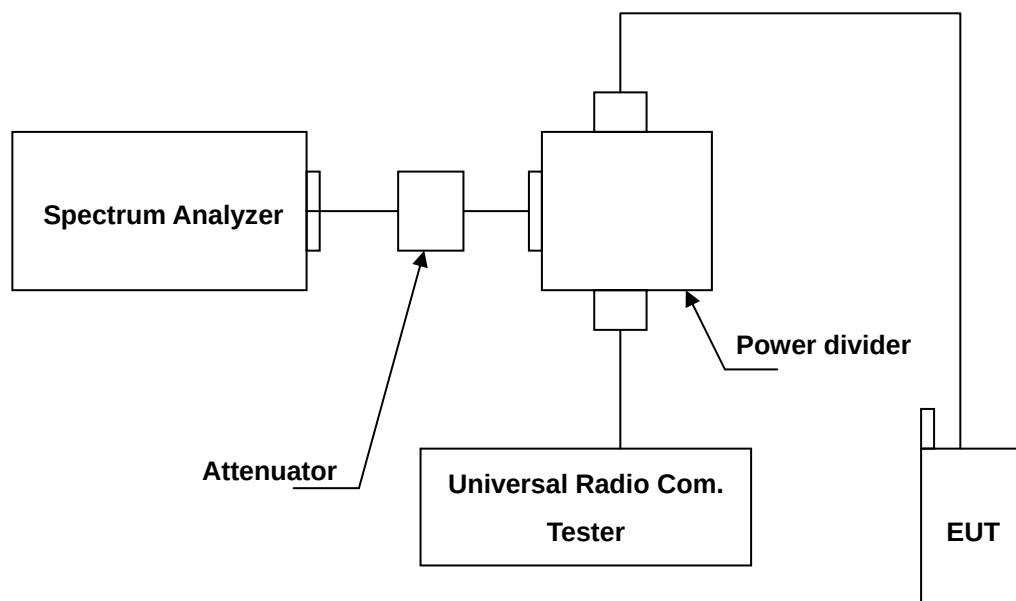
Describe	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/14/2009	(2)
Universal Radio Communication Tester	ROHDE & SCHWARZ	CMU200	109369	08/10/2010	(2)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE02	TE02	N.C.R.	-----

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

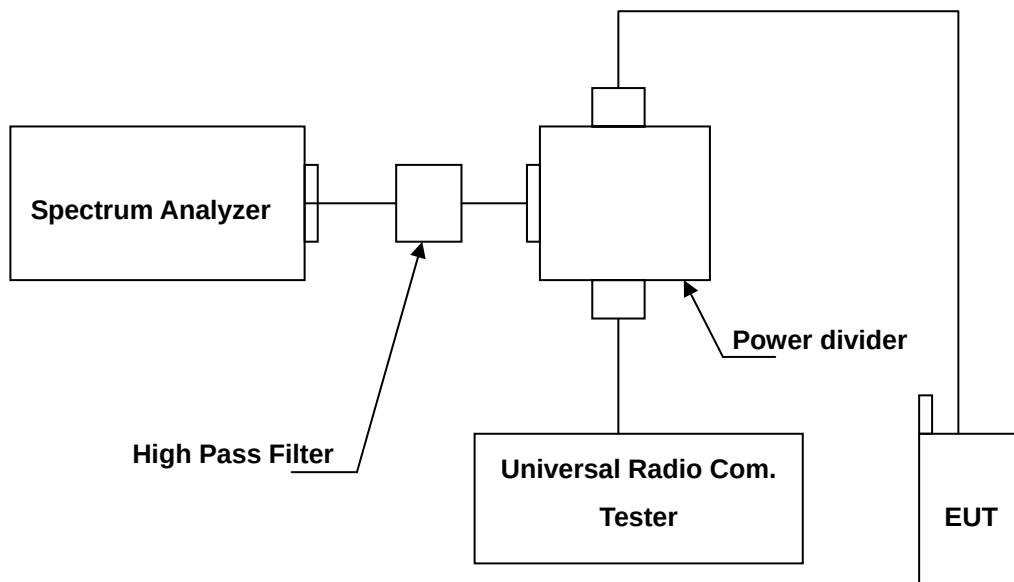
NOTE: N.C.R. = No Calibration Request.

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

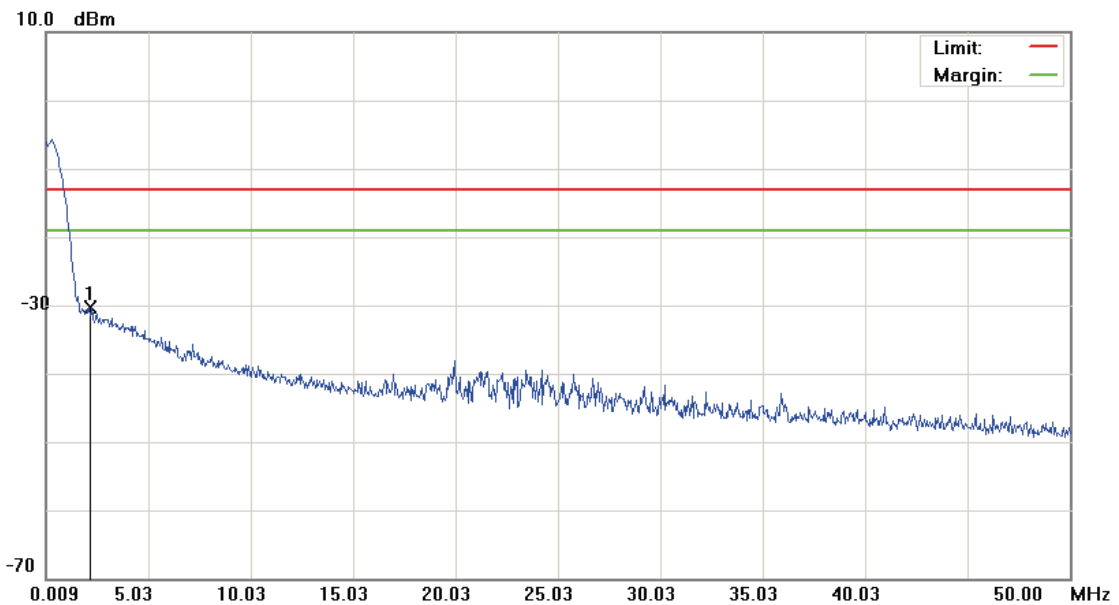
Model Number	PC10120		
Test Item	Conducted Emission		
Mode	Mode 1: GSM 850 Link Mode 2: GSM 1900 Link Mode 3: WCDMA Band II Link Mode 4: WCDMA Band V Link		
Date of Test	08/19 ~ 08/20/2010	Test Site	TE02

File:PC10120(CH128)

Data :#1

Date:2010/8/19

Time: PM 02:58:10



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: GSM 850

Note: CH128(824.2MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	2.1336	-61.80	31.47	-30.33	-13.00	-17.33	peak		

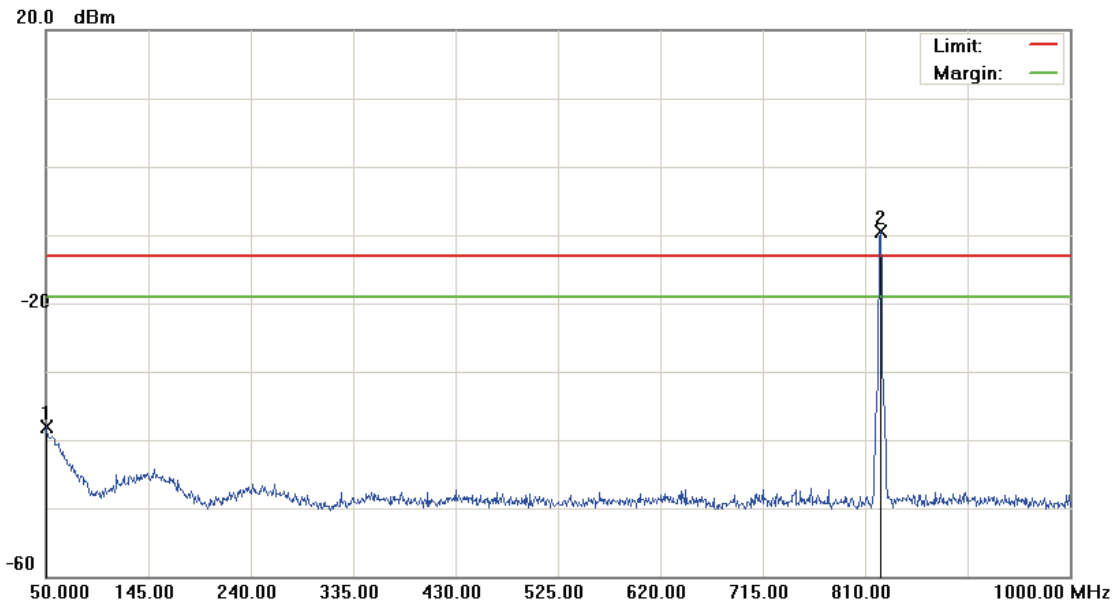
*:Maximum data x:Over limit !:over margin

File:PC10120(CH128)

Data :#2

Date:2010/8/19

Time: PM 02:58:35



Site: : RF Conducted

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

EUT: Smartphone

M/N: PC10120

Mode: GSM 850

Note: CH128(824.2MHz)

Polarization: Conducted po

Power: AC 120V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

RBW: 1000 MHz VBW: 1000 MHz

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		50.0000	-52.79	14.69	-38.10	-13.00	-25.10	peak		
2	*	824.2500	-13.43	3.84	-9.59	-13.00	3.41	peak		TX

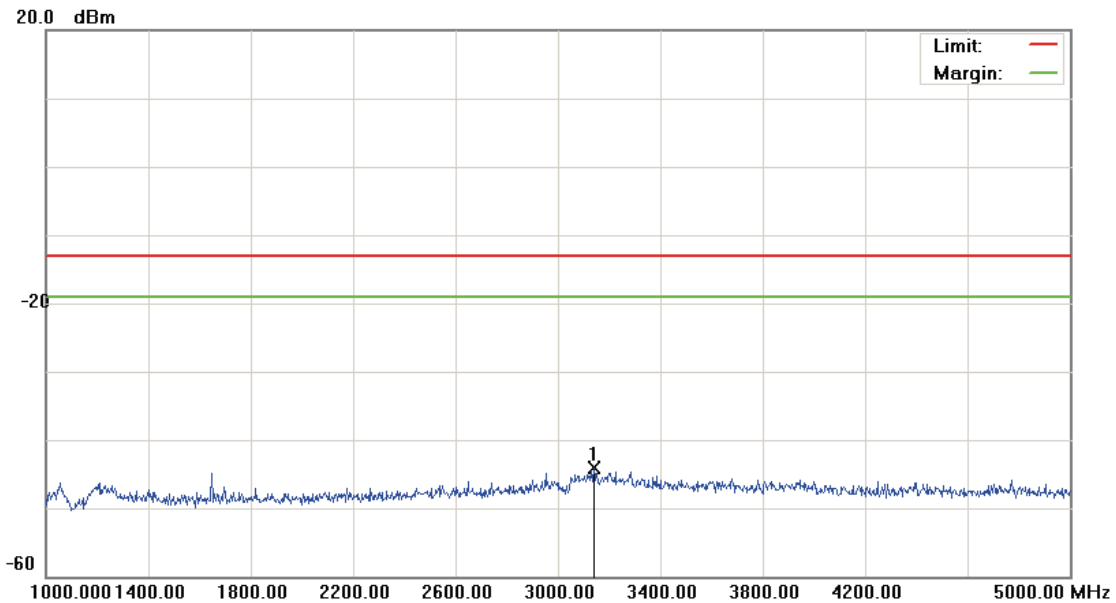
*:Maximum data x:Over limit !:over margin

File:PC10120(CH128)

Data :#3

Date:2010/8/19

Time: PM 05:35:16



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: GSM 850

Note: CH128(824.2MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	3140.000	-48.72	4.56	-44.16	-13.00	-31.16	peak		

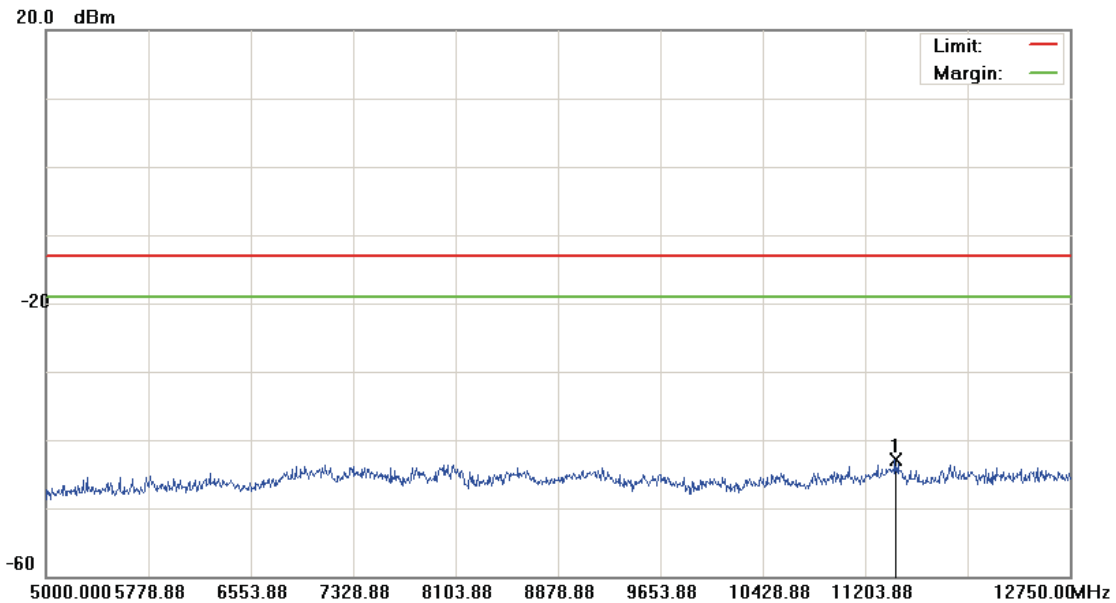
*:Maximum data x:Over limit !:over margin

File:PC10120(CH128)

Data :#4

Date: 2010/8/19

Time: PM 05:35:40



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: GSM 850

Note: CH128(824.2MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	11428.625	-48.46	5.57	-42.89	-13.00	-29.89	peak		

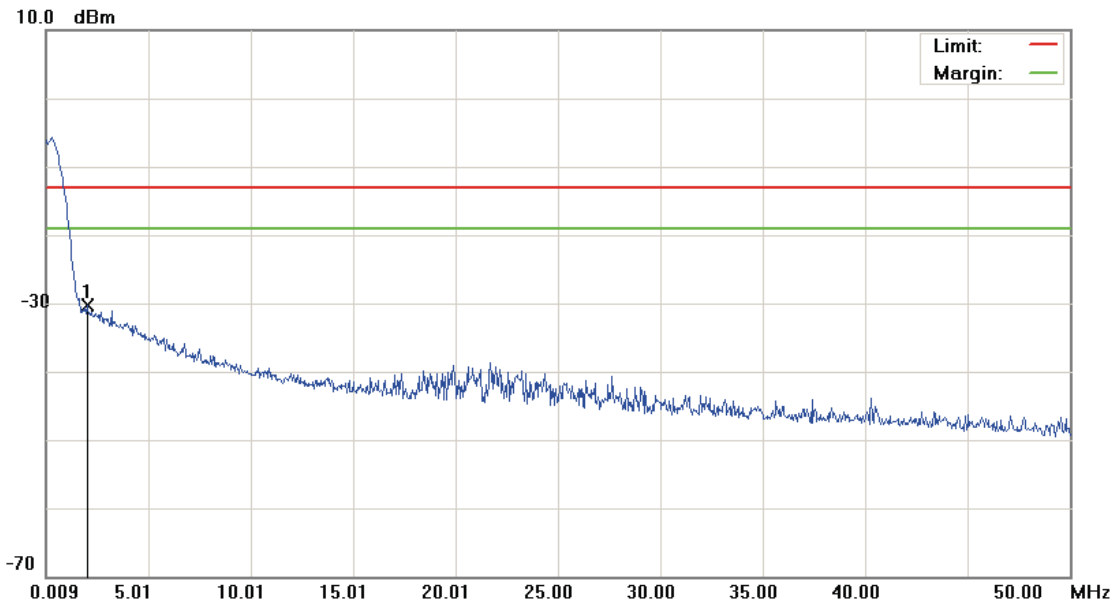
*:Maximum data x:Over limit !:over margin

File:PC10120(CH190)

Data :#1

Date:2010/8/19

Time: PM 03:03:33



Site: : RF Conducted

Polarization: Conducted po

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: GSM 850

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	cm	degree	Comment
1	*	2.0086	-61.57	31.37	-30.20	-13.00	-17.20	peak		

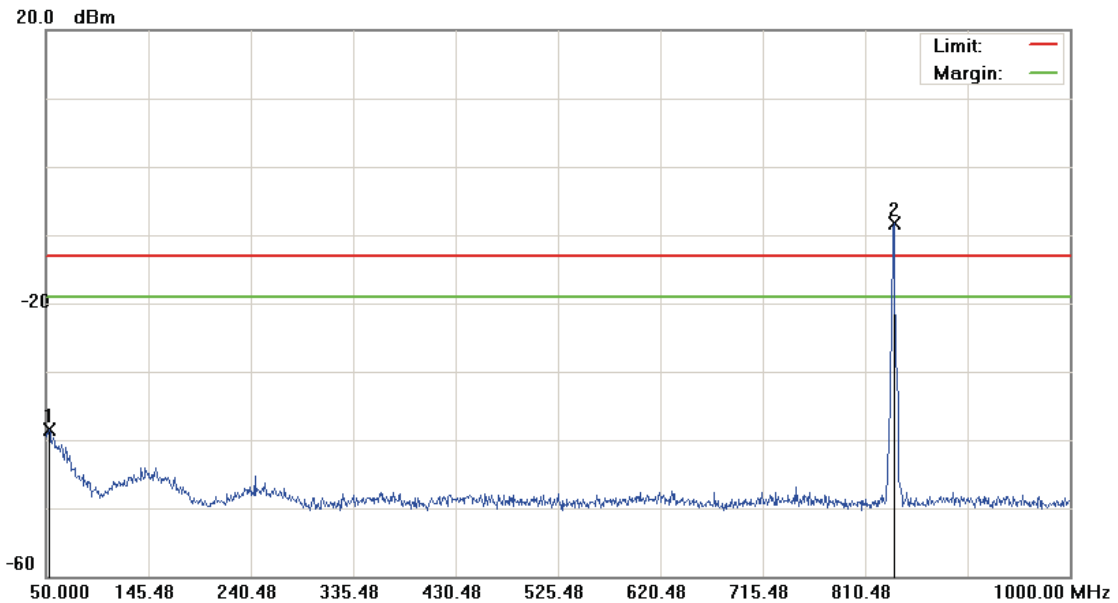
*:Maximum data x:Over limit !:over margin

File:PC10120(CH190)

Data :#2

Date:2010/8/19

Time: PM 03:03:57



Site: : RF Conducted

Polarization: Conducted po

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: GSM 850

Note: CH190(836.6MHz)

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		52.8500	-52.62	14.19	-38.43	-13.00	-25.43	peak		
2	*	836.6000	-12.23	3.96	-8.27	-13.00	4.73	peak		TX

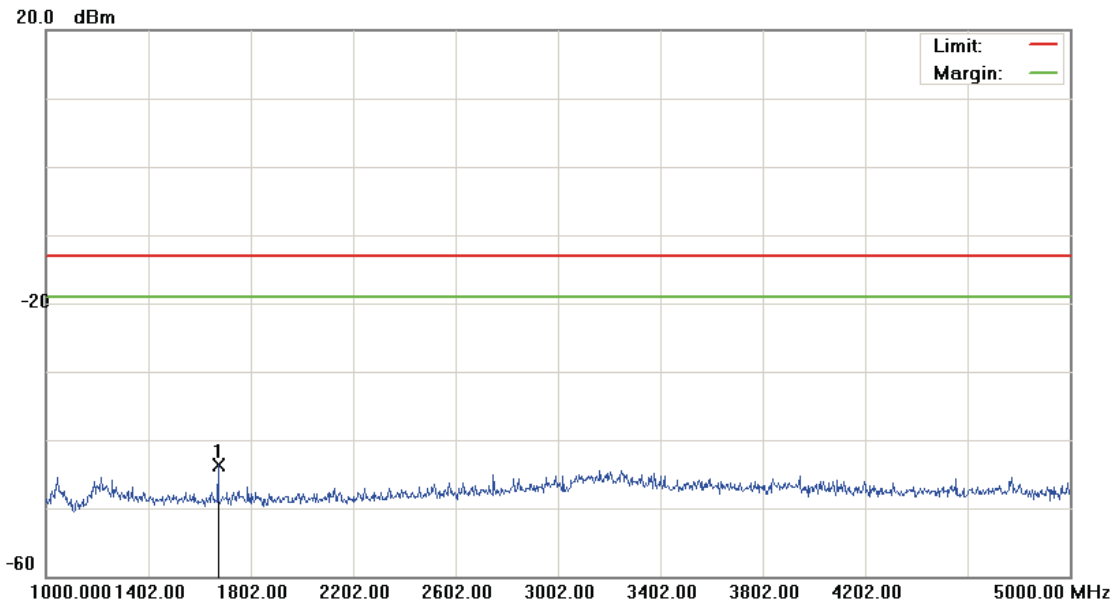
*:Maximum data x:Over limit !:over margin

File:PC10120(CH190)

Data :#3

Date:2010/8/19

Time: PM 05:36:32



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: GSM 850

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	cm	degree	Comment
1	*	1674.000	-48.18	4.46	-43.72	-13.00	-30.72	peak		

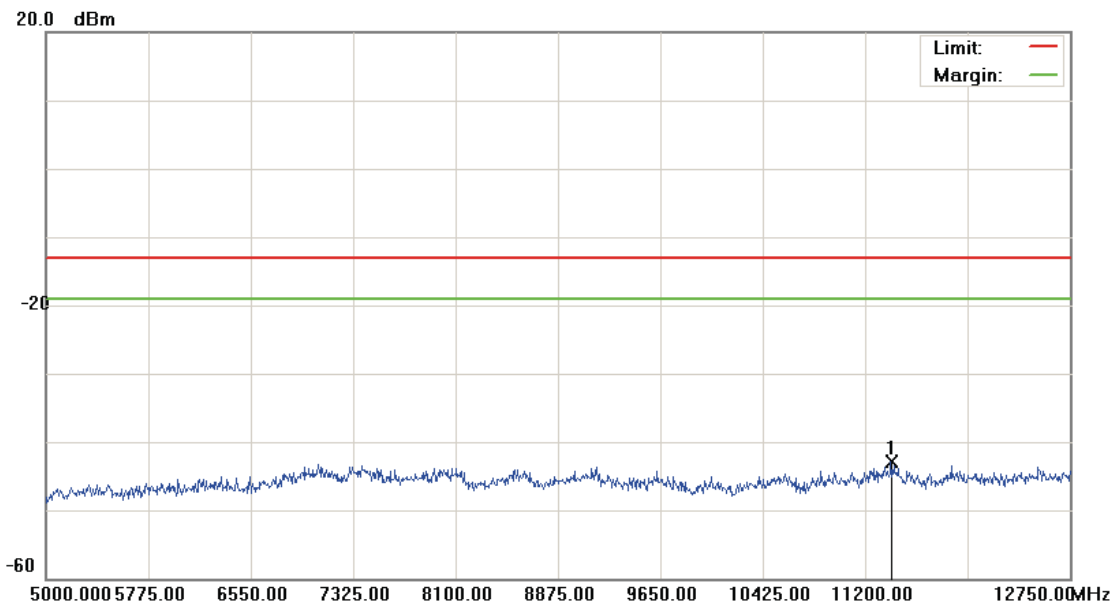
*:Maximum data x:Over limit !:over margin

File:PC10120(CH190)

Data :#4

Date:2010/8/19

Time: PM 05:36:55



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 122V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: GSM 850

Note: CH190(836.6MHz)

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	*	11397.625	-48.48	5.55	-42.93	-13.00	-29.93	peak		

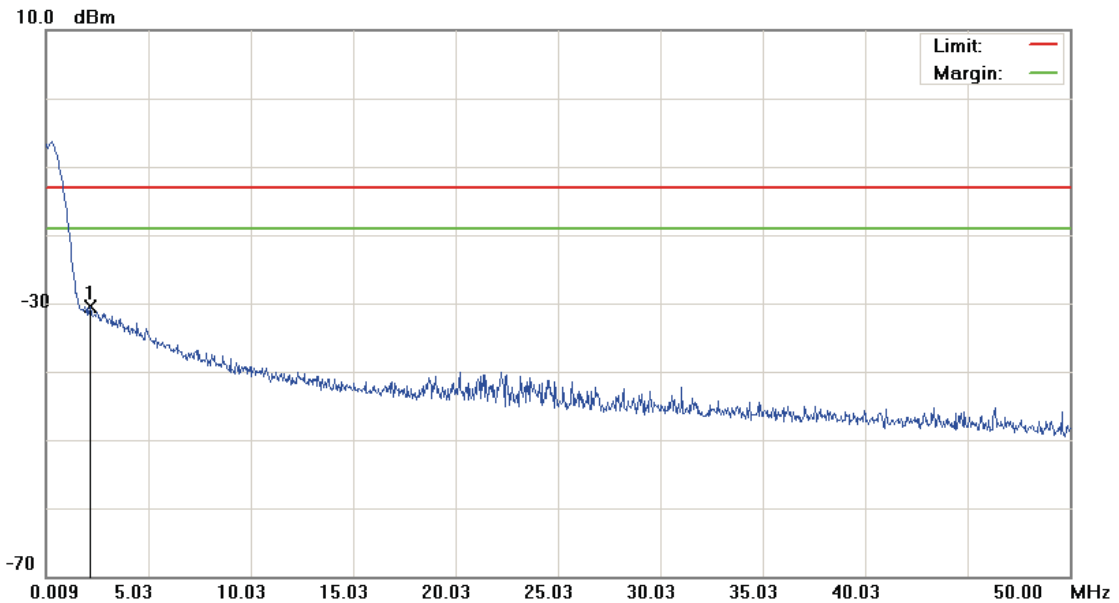
*:Maximum data x:Over limit !:over margin

File:PC10120(CH251)

Data :#1

Date:2010/8/19

Time: PM 05:25:25



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 110V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: GSM 850

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	cm	degree	Comment
1	*	2.1586	-61.89	31.41	-30.48	-13.00	-17.48	peak		

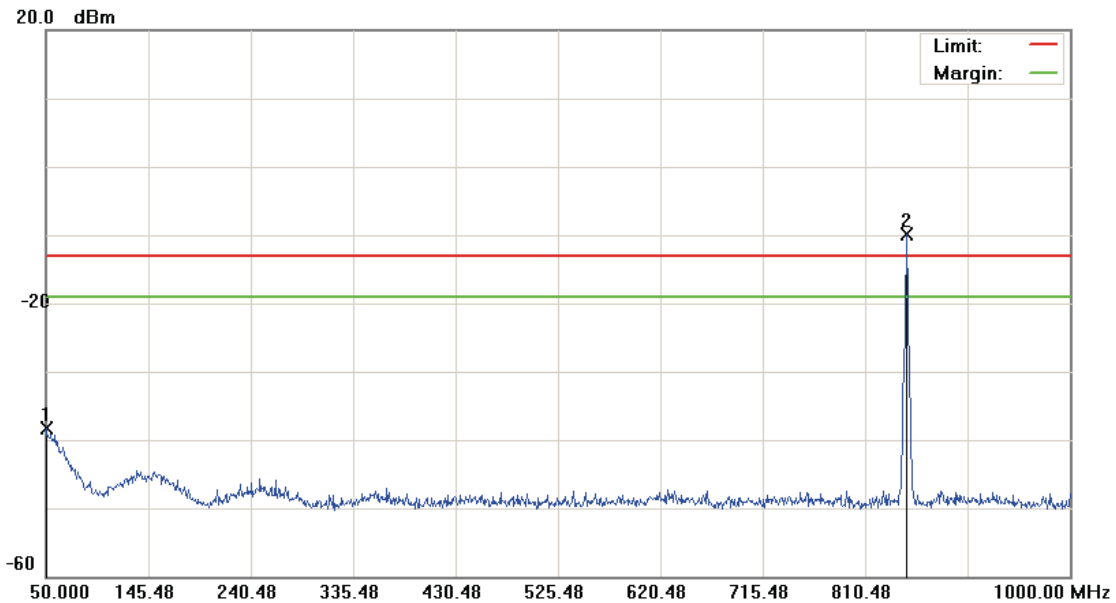
*:Maximum data x:Over limit !:over margin

File:PC10120(CH251)

Data :#2

Date:2010/8/19

Time: PM 05:25:49



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: GSM 850

Note: CH251(848.8MHz)

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		50.4750	-52.91	14.61	-38.30	-13.00	-25.30	peak		
2	*	848.4750	-13.97	3.98	-9.99	-13.00	3.01	peak		TX

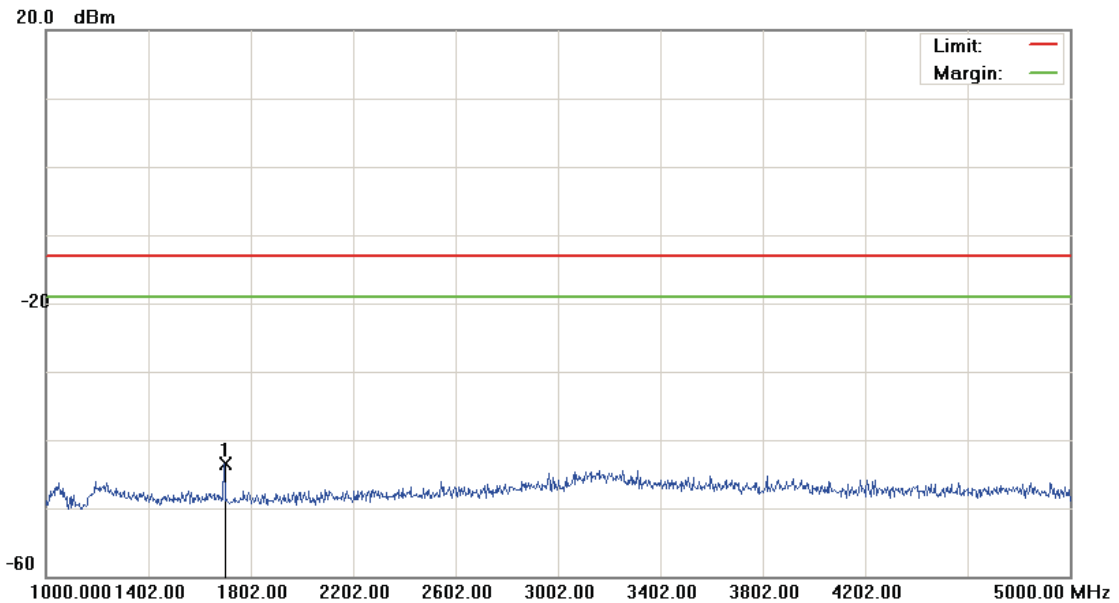
*:Maximum data x:Over limit !:over margin

File:PC10120(CH251)

Data :#3

Date:2010/8/19

Time: PM 05:37:37



Site: : RF Conducted

Polarization: Conducted po

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: GSM 850

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	cm	degree	Comment
1	*	1698.000	-47.92	4.48	-43.44	-13.00	-30.44	peak		

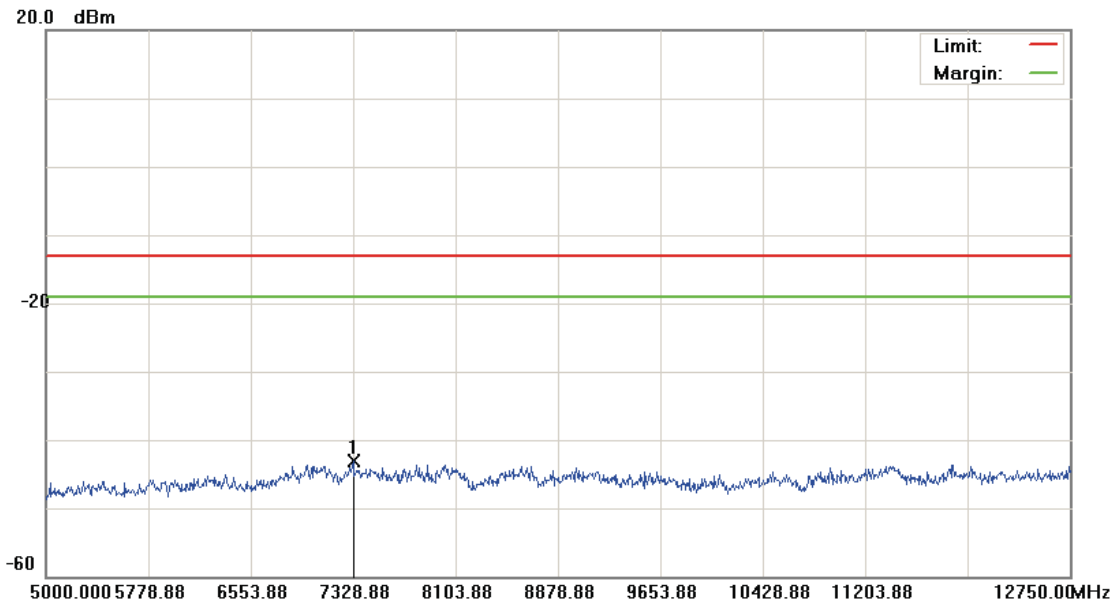
*:Maximum data x:Over limit !:over margin

File:PC10120(CH251)

Data :#4

Date:2010/8/19

Time: PM 05:38:01



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: GSM 850

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	cm	degree	Comment
1	*	7325.000	-48.19	5.10	-43.09	-13.00	-30.09	peak		

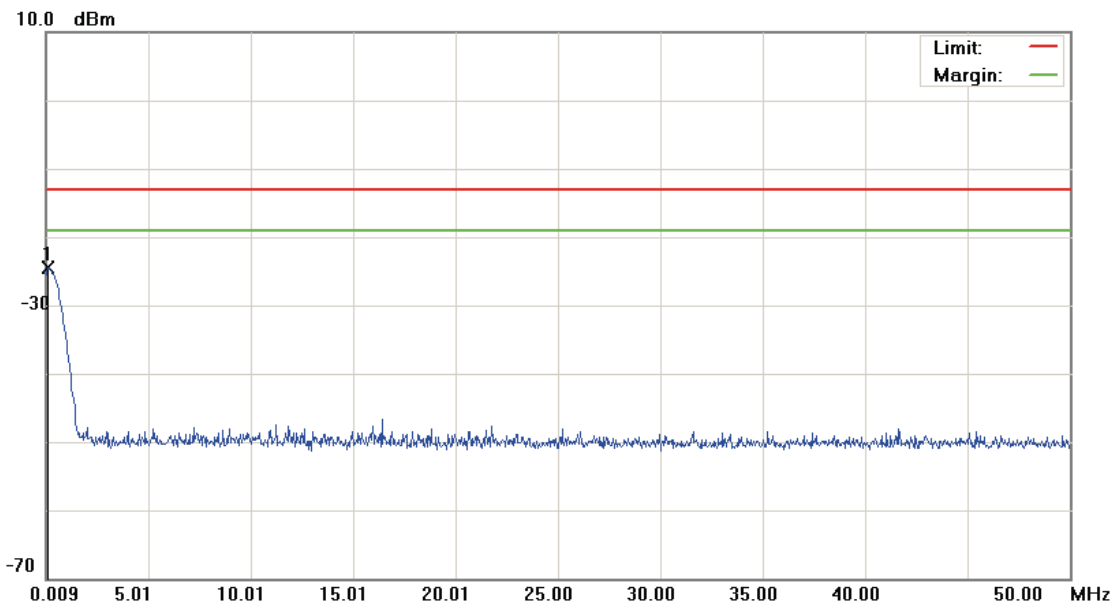
*:Maximum data x:Over limit !:over margin

File:PC10120(CH512)

Data :#1

Date:2010/8/19

Time: PM 01:29:03



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: PCS 1900

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	cm	degree	Comment
1	*	0.1090	-36.99	12.49	-24.50	-13.00	-11.50	peak		

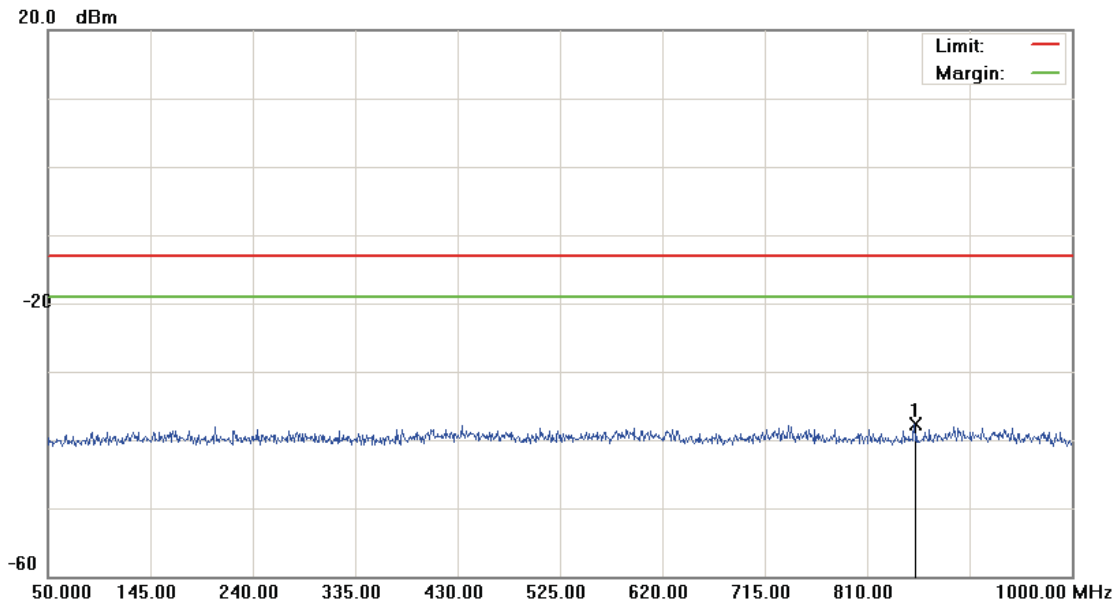
*:Maximum data x:Over limit !:over margin

File:PC10120(CH512)

Data :#2

Date:2010/8/19

Time: PM 01:29:28



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: PCS 1900

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	cm	degree	Comment
1	*	854.1750	-50.93	13.23	-37.70	-13.00	-24.70	peak		

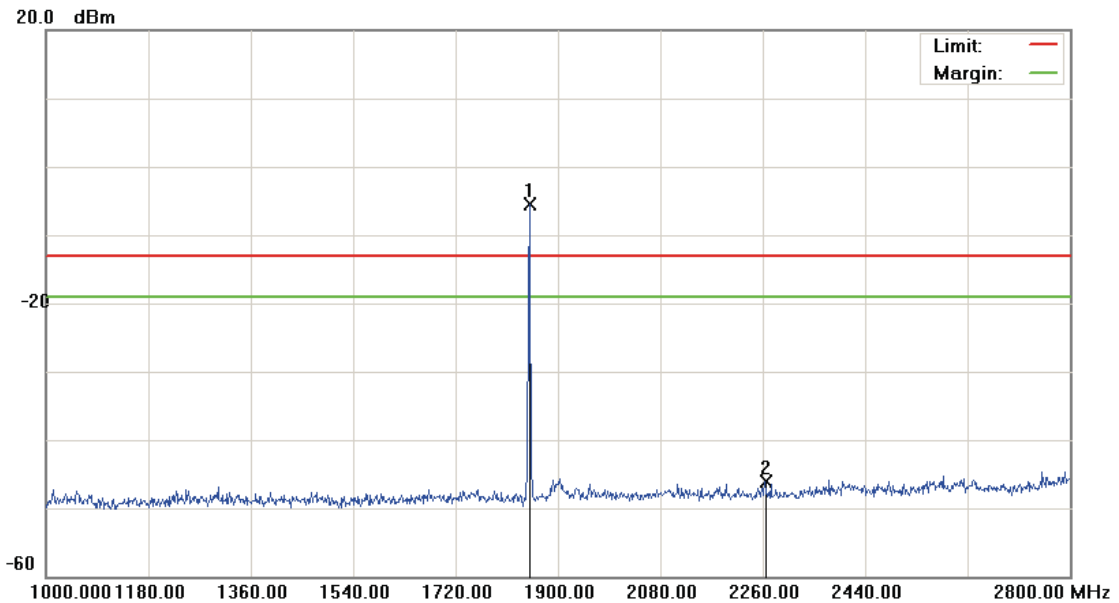
*:Maximum data x:Over limit !:over margin

File:PC10120(CH512)

Data :#3

Date:2010/8/19

Time: PM 02:40:35



Site: : RF Conducted

Polarization: Conducted po

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: PCS 1900

Note: CH512(1850.2MHz)

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	*	1849.600	-9.66	4.25	-5.41	-13.00	7.59	peak		TX
2		2264.500	-50.62	4.48	-46.14	-13.00	-33.14	peak		

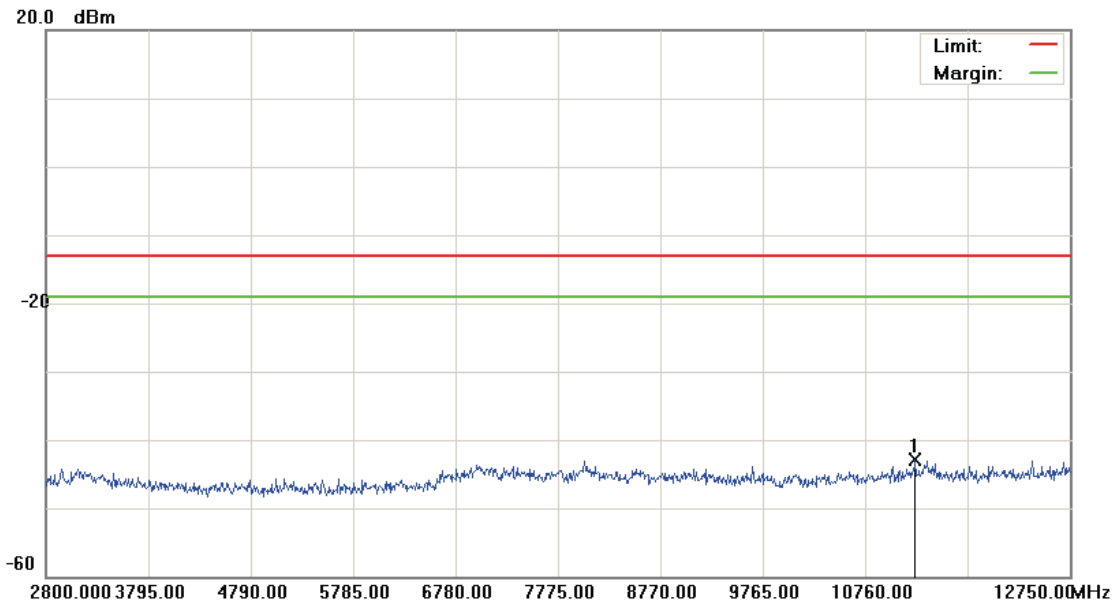
*:Maximum data x:Over limit !:over margin

File:PC10120(CH512)

Data :#4

Date: 2010/8/19

Time: PM 05:41:32



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: PCS 1900

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	cm	degree	Comment
1	*	11247.550	-48.28	5.47	-42.81	-13.00	-29.81	peak		

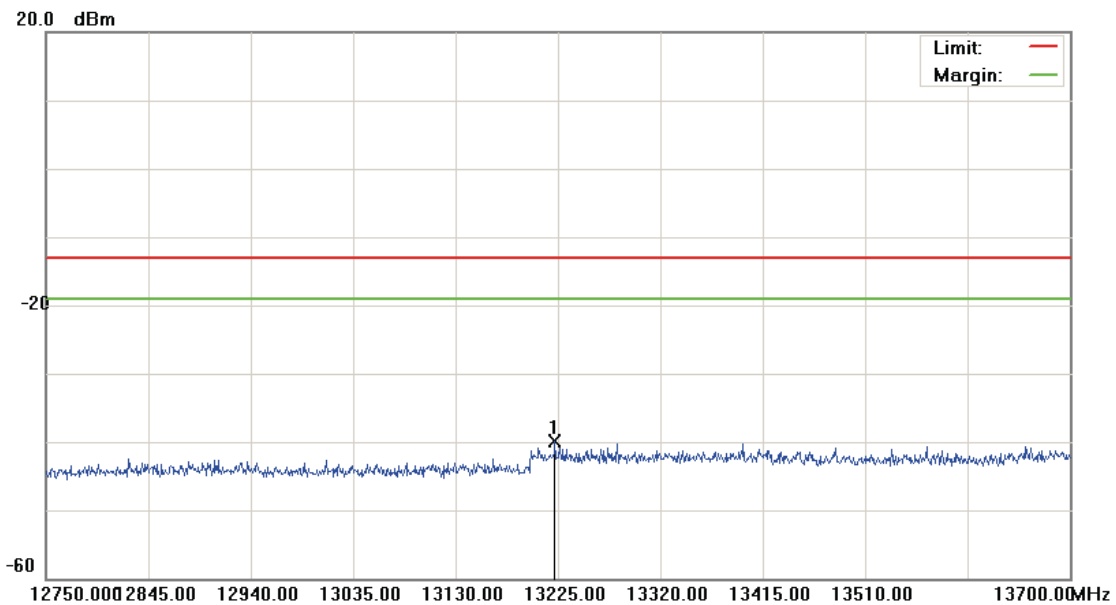
*:Maximum data x:Over limit !:over margin

File:PC10120(CH512)

Data :#5

Date:2010/8/19

Time: PM 05:41:55



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: PCS 1900

Note: CH512(1850.2MHz)

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	*	13222.150	-45.33	5.50	-39.83	-13.00	-26.83	peak		

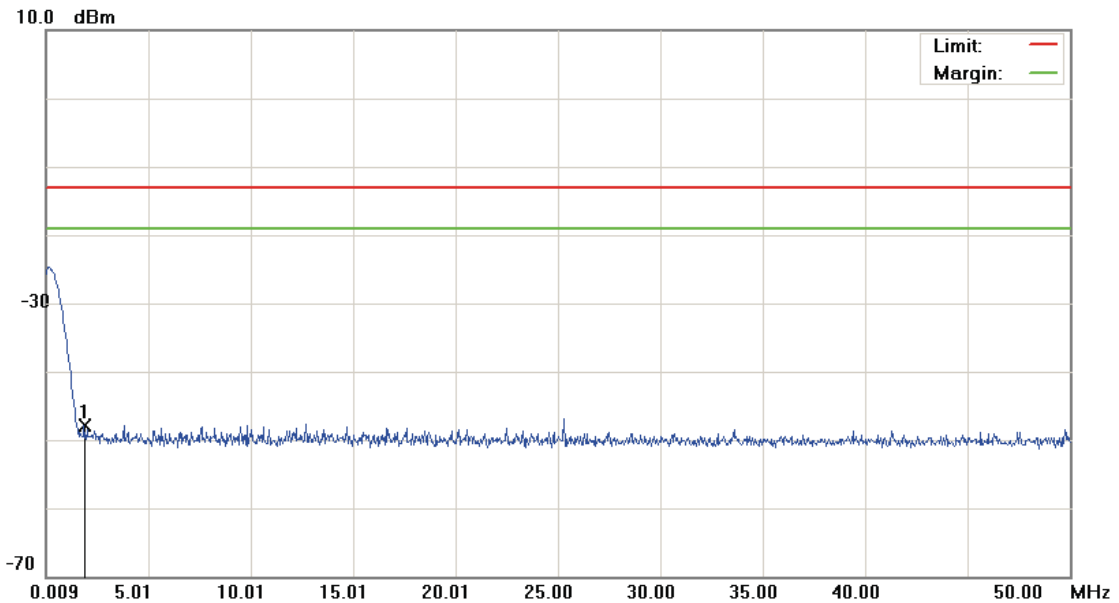
*:Maximum data x:Over limit !:over margin

File:PC10120(CH661)

Data :#1

Date:2010/8/19

Time: PM 01:30:27



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: PCS 1900

Note: CH661(1880MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	1.8837	-60.84	12.88	-47.96	-13.00	-34.96	peak		

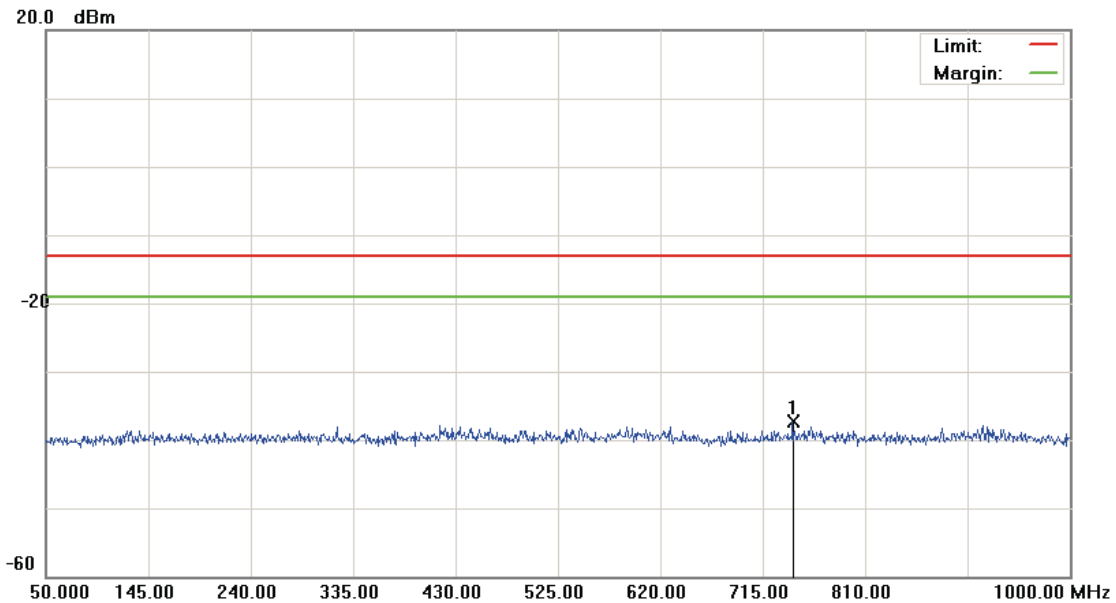
*:Maximum data x:Over limit !:over margin

File:PC10120(CH661)

Data :#2

Date:2010/8/19

Time: PM 01:30:51



Site: : RF Conducted

Polarization: Conducted po

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: PCS 1900

Note: CH661(1880MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	743.0250	-50.51	13.15	-37.36	-13.00	-24.36	peak		

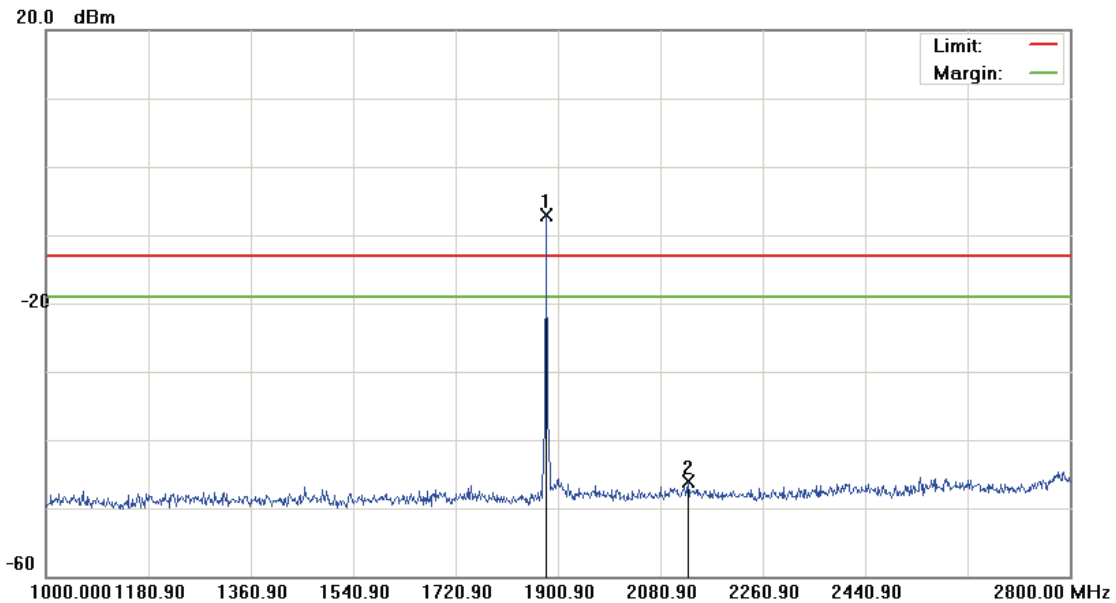
*:Maximum data x:Over limit !:over margin

File:PC10120(CH661)

Data :#4

Date:2010/8/19

Time: PM 02:43:29



Site: : RF Conducted

Polarization: Conducted po

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: PCS 1900

Note: CH661(1880MHz)

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	*	1880.200	-11.80	4.65	-7.15	-13.00	5.85	peak		TX
2		2128.600	-50.75	4.68	-46.07	-13.00	-33.07	peak		

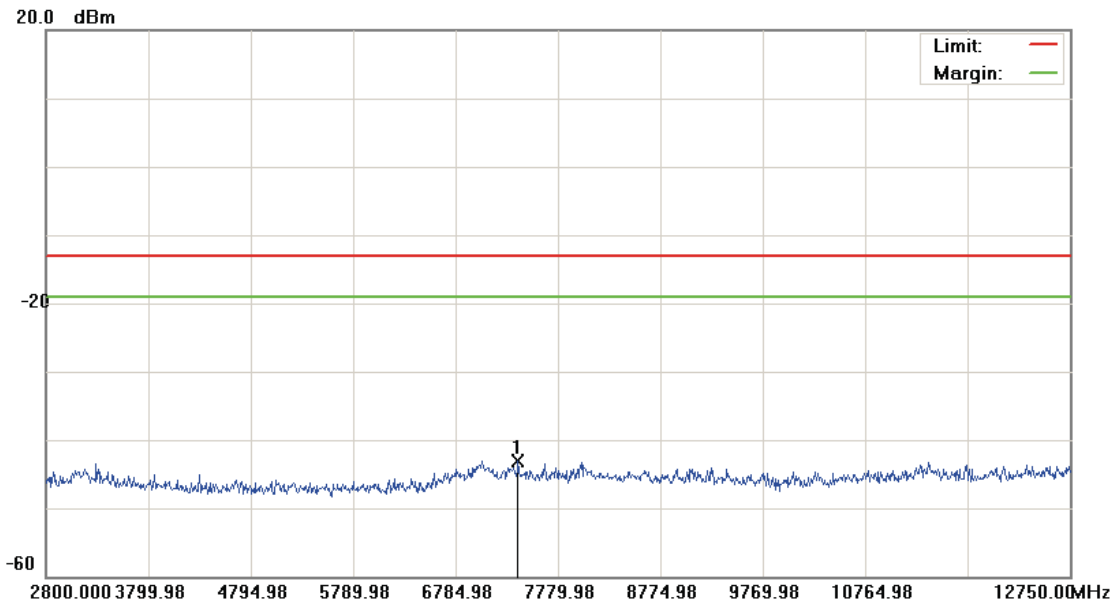
*:Maximum data x:Over limit !:over margin

File:PC10120(CH661)

Data :#5

Date:2010/8/19

Time: PM 05:42:53



Site: : RF Conducted

Polarization: Conducted po

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: PCS 1900

Note: CH661(1880MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	7386.950	-48.16	5.10	-43.06	-13.00	-30.06	peak		

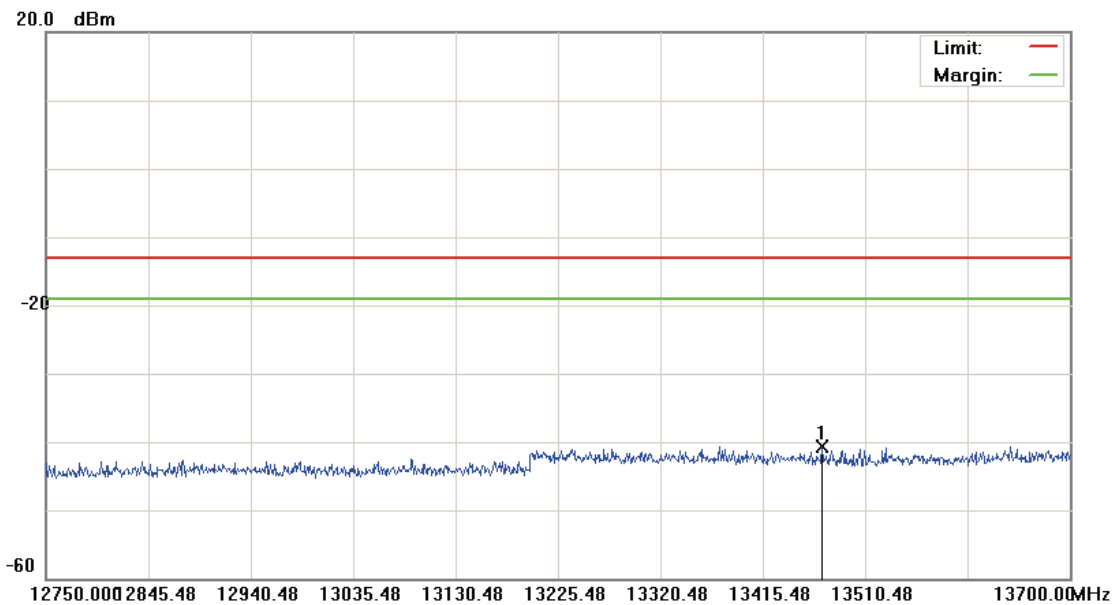
*:Maximum data x:Over limit !:over margin

File:PC10120(CH661)

Data :#6

Date:2010/8/19

Time: PM 05:43:17



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: PCS 1900

Note: CH661(1880MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	13470.100	-46.25	5.58	-40.67	-13.00	-27.67	peak		

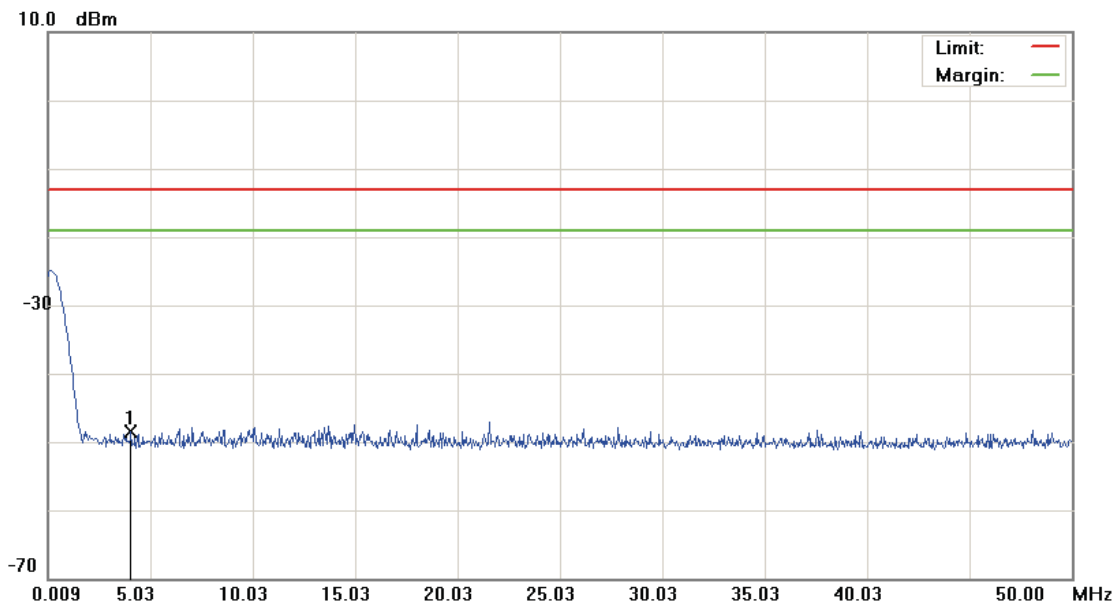
*:Maximum data x:Over limit !:over margin

File:PC10120(CH810)

Data :#1

Date:2010/8/19

Time: PM 01:31:50



Site: : RF Conducted

Polarization: Conducted po

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: PCS 1900

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	cm	degree	Comment
1	*	4.0583	-61.70	13.21	-48.49	-13.00	-35.49	peak		

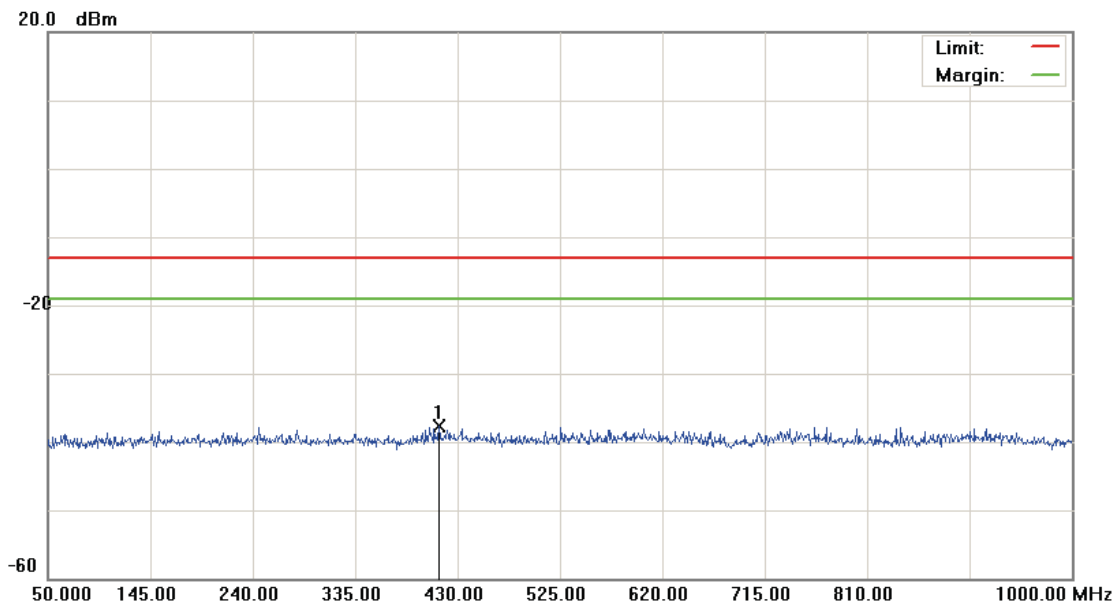
*:Maximum data x:Over limit !:over margin

File:PC10120(CH810)

Data :#2

Date:2010/8/19

Time: PM 01:32:14



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: PCS 1900

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	cm	degree	Comment
1	*	412.9000	-50.95	13.23	-37.72	-13.00	-24.72	peak		

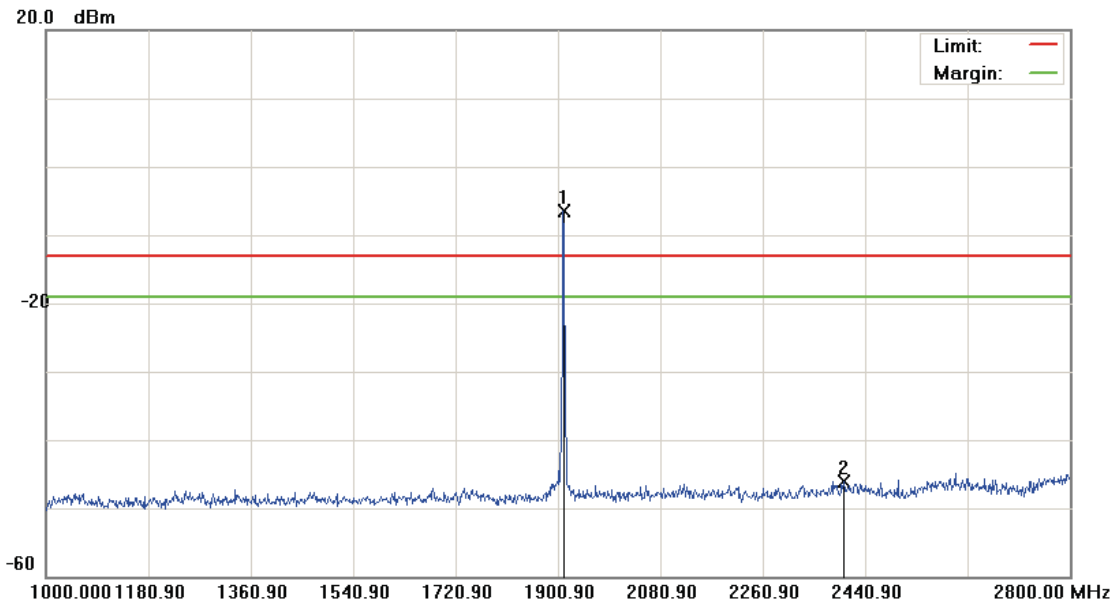
*:Maximum data x:Over limit !:over margin

File:PC10120(CH810)

Data :#3

Date: 2010/8/19

Time: PM 02:45:42



Site: : RF Conducted

Polarization: Conducted po

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: PCS 1900

Note: CH810(1909.8MHz)

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	*	1909.900	-12.28	5.71	-6.57	-13.00	6.43	peak		TX
2		2402.200	-51.25	5.18	-46.07	-13.00	-33.07	peak		

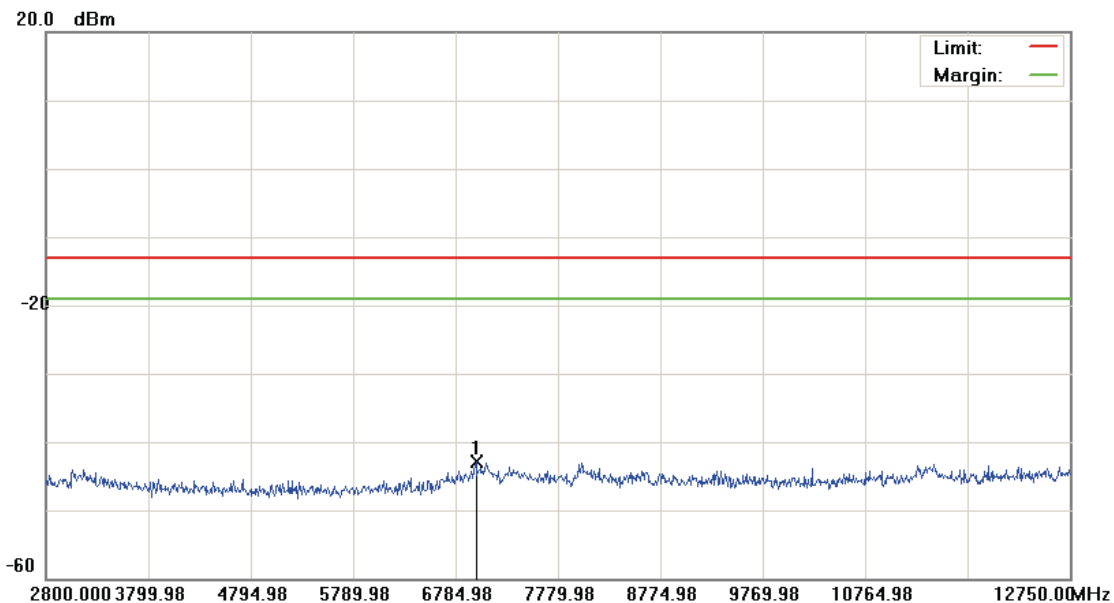
*:Maximum data x:Over limit !:over margin

File:PC10120(CH810)

Data :#4

Date:2010/8/19

Time: PM 05:44:44



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: PCS 1900

Note: CH810(1909.8MHz)

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	*	6983.975	-48.14	5.25	-42.89	-13.00	-29.89	peak		

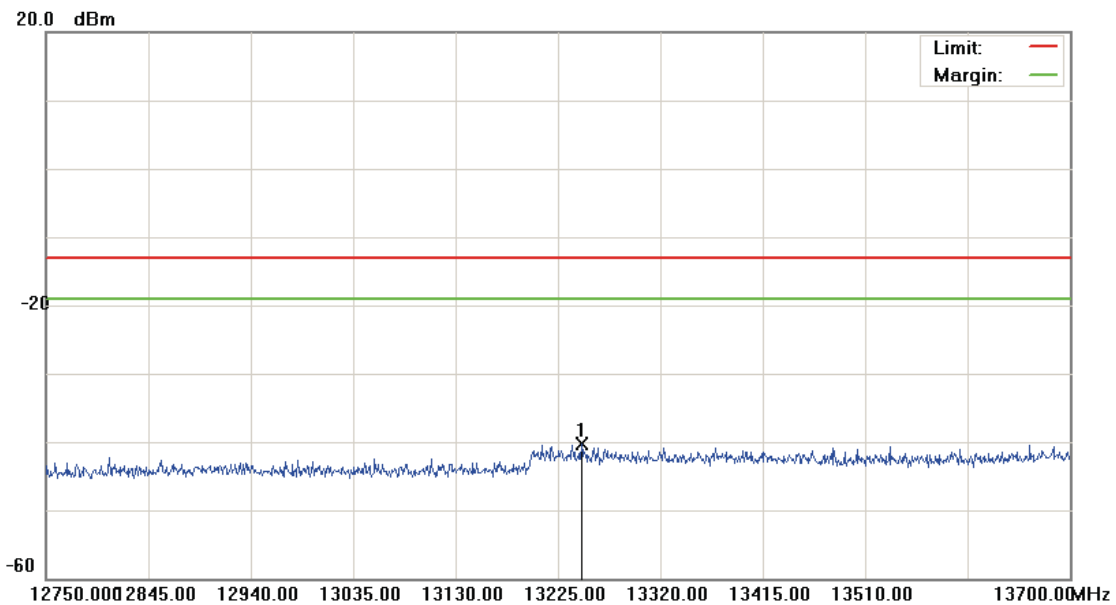
*:Maximum data x:Over limit !:over margin

File:PC10120(CH810)

Data :#5

Date: 2010/8/19

Time: PM 05:45:07



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: PCS 1900

Note: CH810(1909.8MHz)

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	*	13246.850	-45.86	5.51	-40.35	-13.00	-27.35	peak		

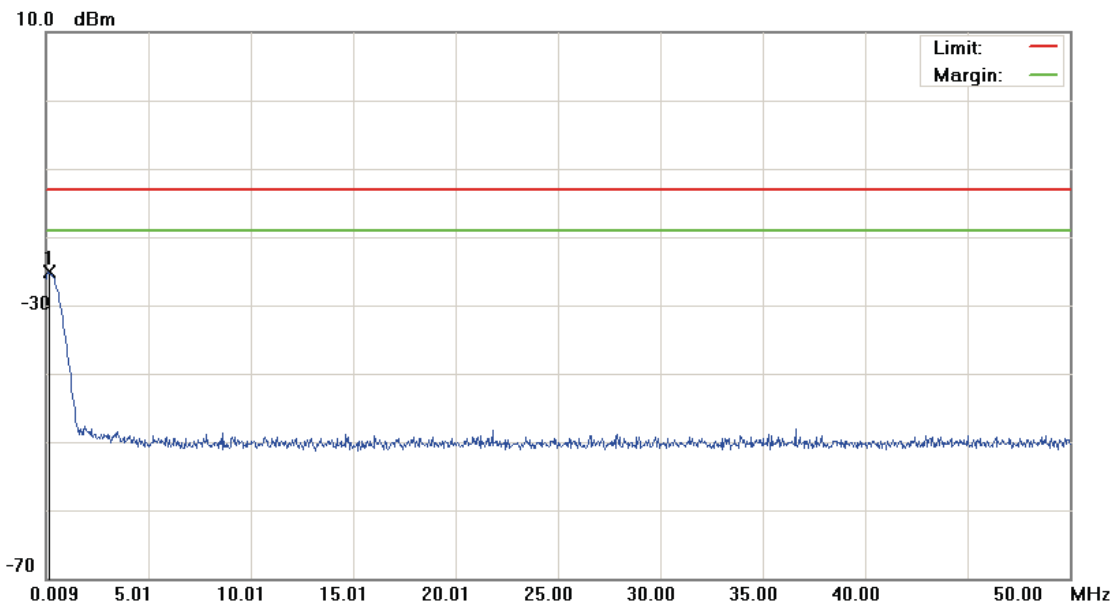
*:Maximum data x:Over limit !:over margin

File:PC10120(CH9262)

Data :#1

Date:2010/8/20

Time: AM 11:18:28



Site: : RF Conducted

Polarization: Conducted po

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: BAND II

Note: CH9262(1852.4MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	0.1340	-37.66	12.48	-25.18	-13.00	-12.18	peak		

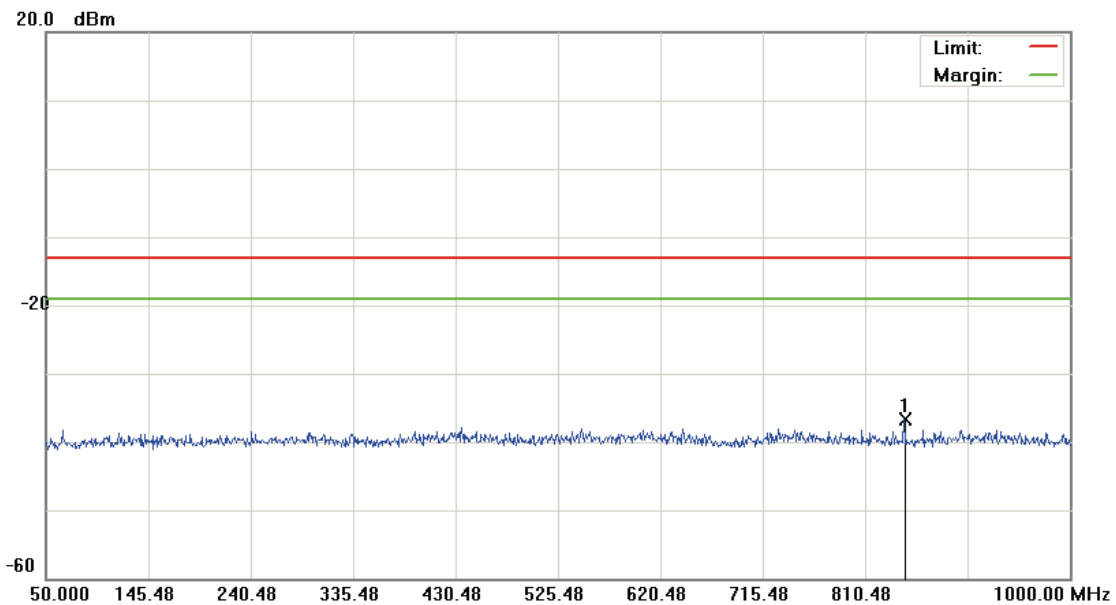
*:Maximum data x:Over limit !:over margin

File:PC10120(CH9262)

Data :#2

Date:2010/8/20

Time: AM 11:18:52



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

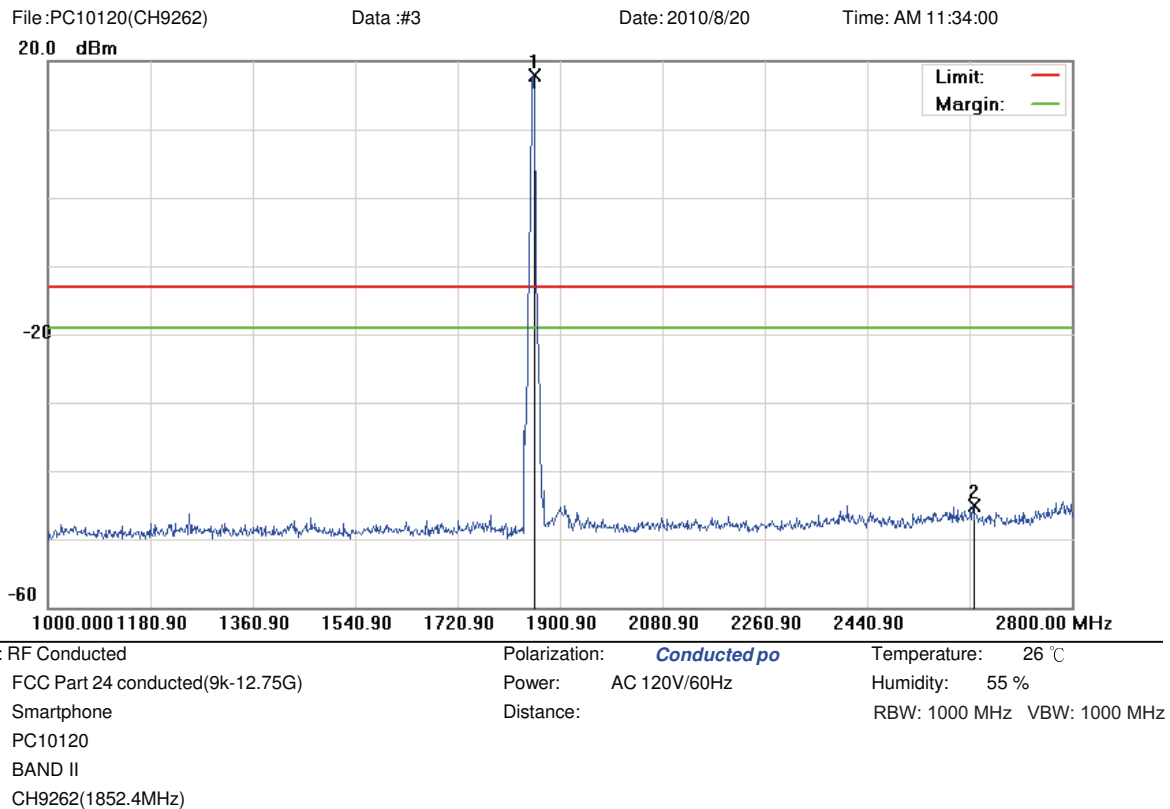
M/N: PC10120

Mode: BAND II

Note: CH9262(1852.4MHz)

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	*	846.5750	-49.84	13.23	-36.61	-13.00	-23.61	peak		

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



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	*	1854.100	13.71	4.28	17.99	-13.00	30.99	peak		TX
2		2626.300	-50.39	5.29	-45.10	-13.00	-32.10	peak		

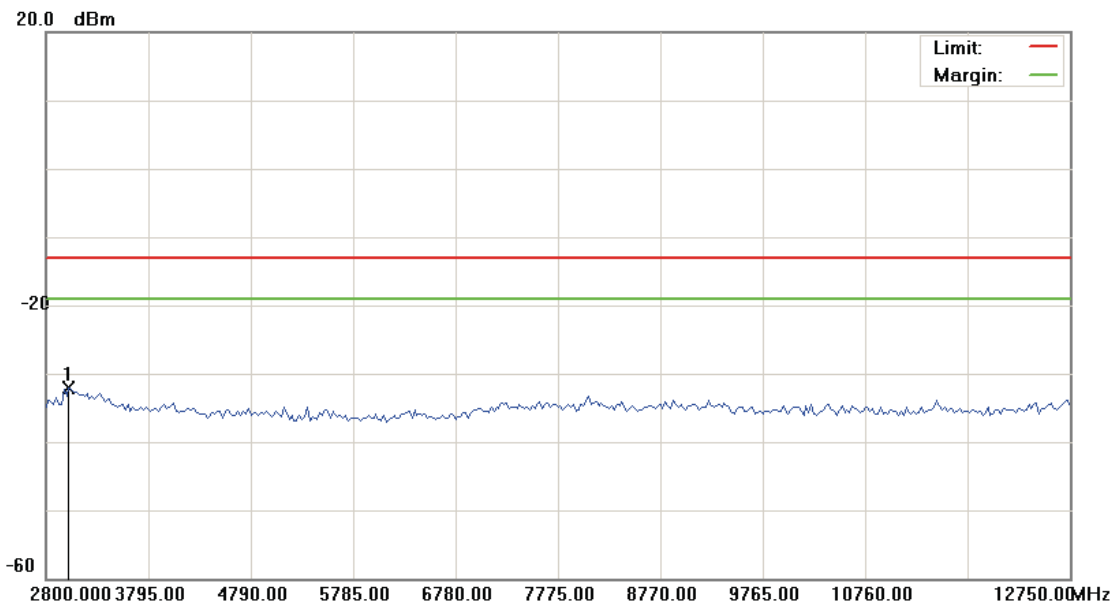
*:Maximum data x:Over limit !:over margin

File:PC10120(CH9262)

Data :#4

Date:2010/8/20

Time: PM 01:07:13



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: BAND II

Note: CH9262(1852.4MHz)

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	*	3023.875	-37.59	5.48	-32.11	-13.00	-19.11	peak		

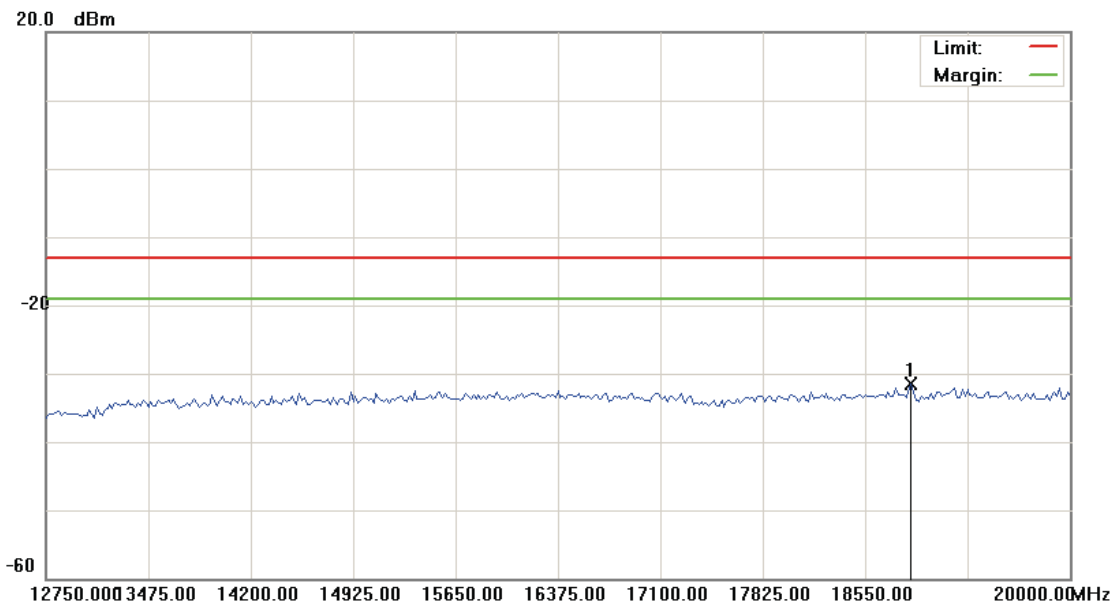
*:Maximum data x:Over limit !:over margin

File:PC10120(CH9262)

Data :#5

Date:2010/8/20

Time: PM 01:07:39



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: BAND II

Note: CH9262(1852.4MHz)

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	*	18876.250	-38.71	7.12	-31.59	-13.00	-18.59	peak		

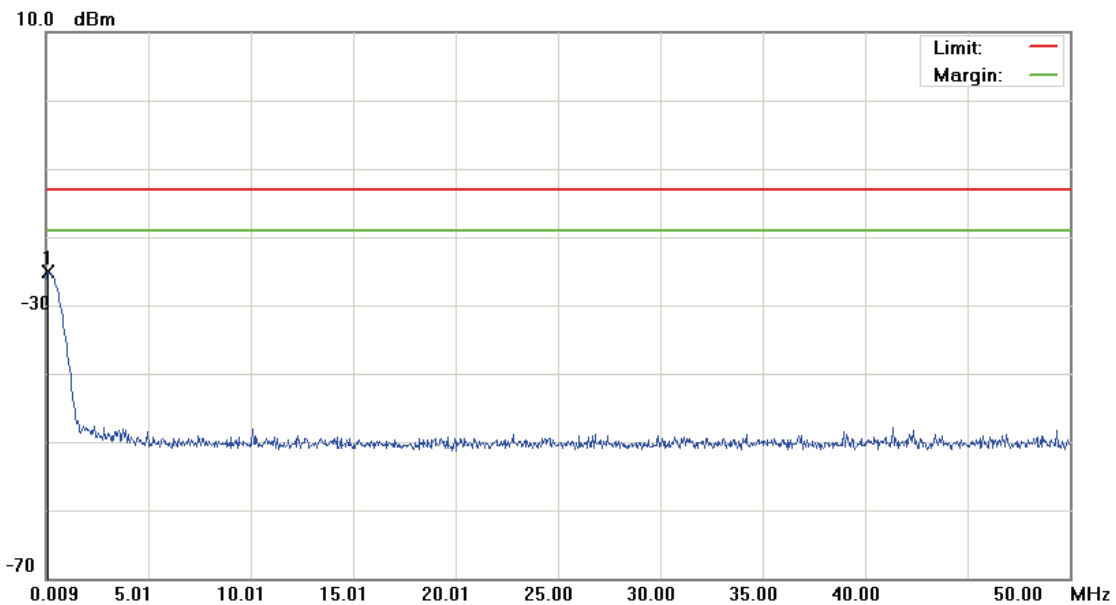
*:Maximum data x:Over limit !:over margin

File:PC10120(CH9400)

Data :#1

Date:2010/8/20

Time: AM 11:20:23



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: BAND II

Note: CH9400(1880MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	0.1090	-37.66	12.49	-25.17	-13.00	-12.17	peak		

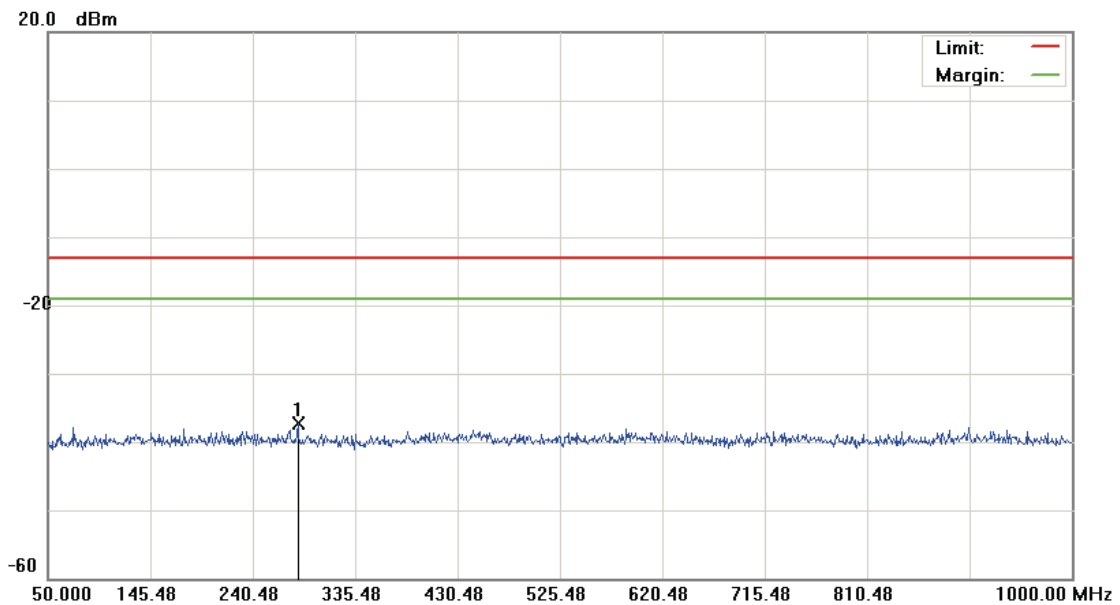
*:Maximum data x:Over limit !:over margin

File:PC10120(CH9400)

Data :#2

Date:2010/8/20

Time: AM 11:20:47



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

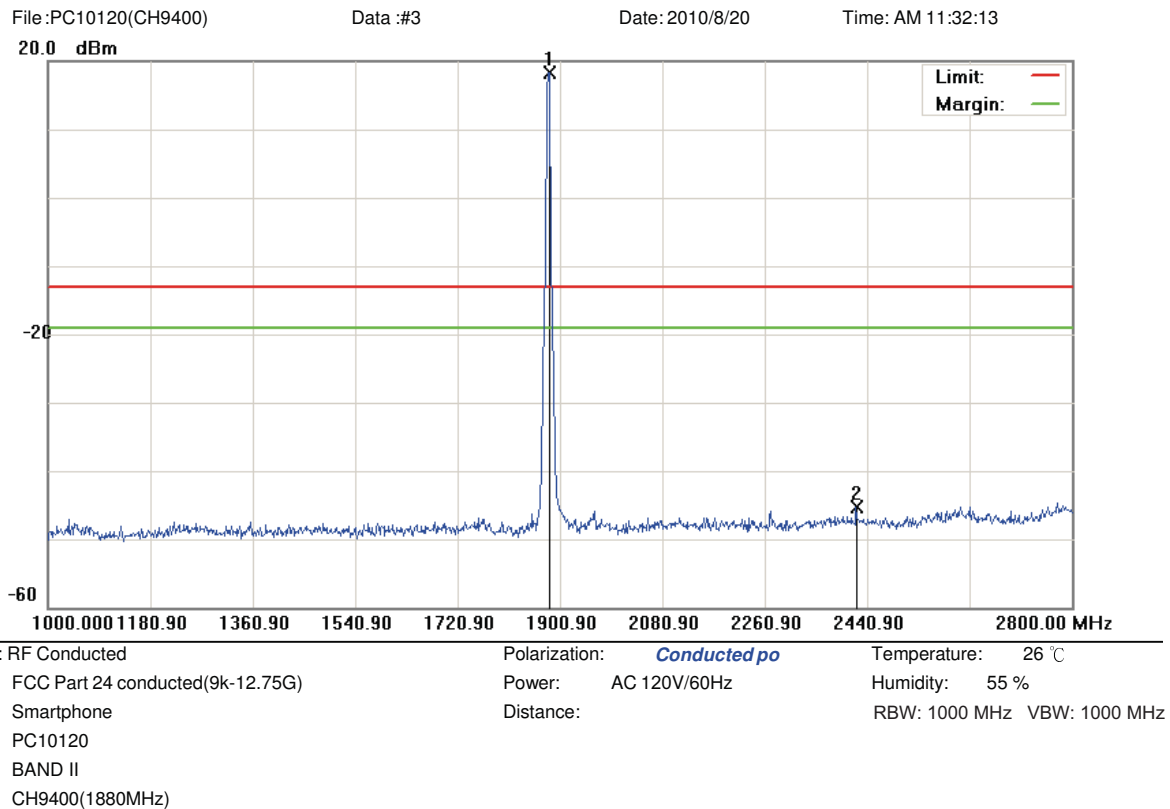
M/N: PC10120

Mode: BAND II

Note: CH9400(1880MHz)

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	*	282.2750	-50.55	13.27	-37.28	-13.00	-24.28	peak		

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



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	*	1881.100	13.54	4.74	18.28	-13.00	31.28	peak		TX
2		2421.100	-50.51	5.13	-45.38	-13.00	-32.38	peak		

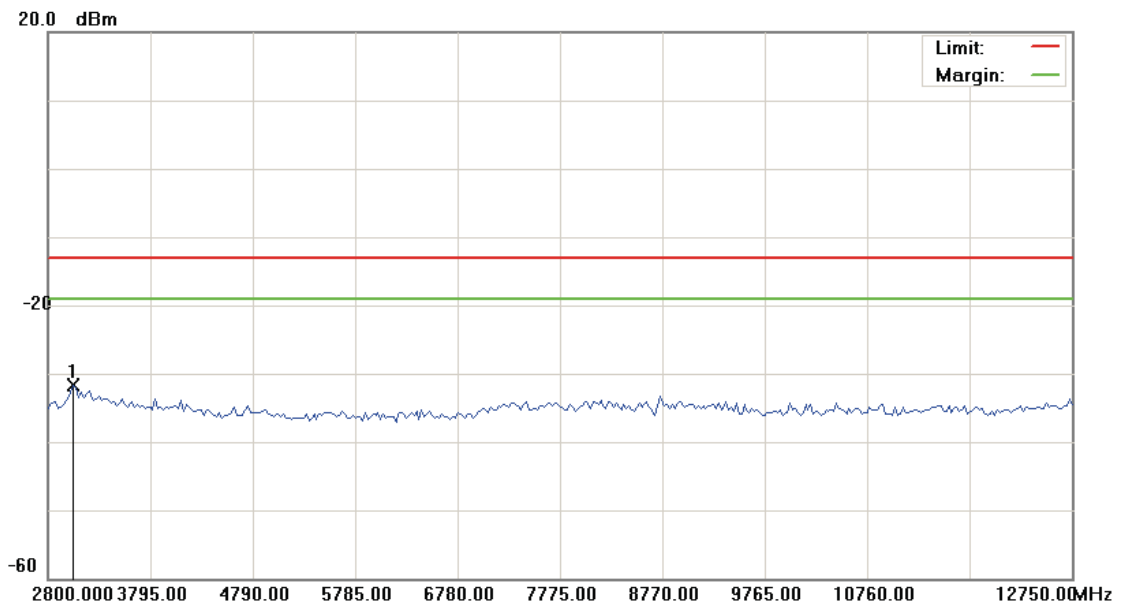
*:Maximum data x:Over limit !:over margin

File:PC10120(CH9400)

Data :#4

Date:2010/8/20

Time: PM 01:09:20



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: BAND II

Note: CH9400(1880MHz)

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	*	3048.750	-37.17	5.47	-31.70	-13.00	-18.70	peak		

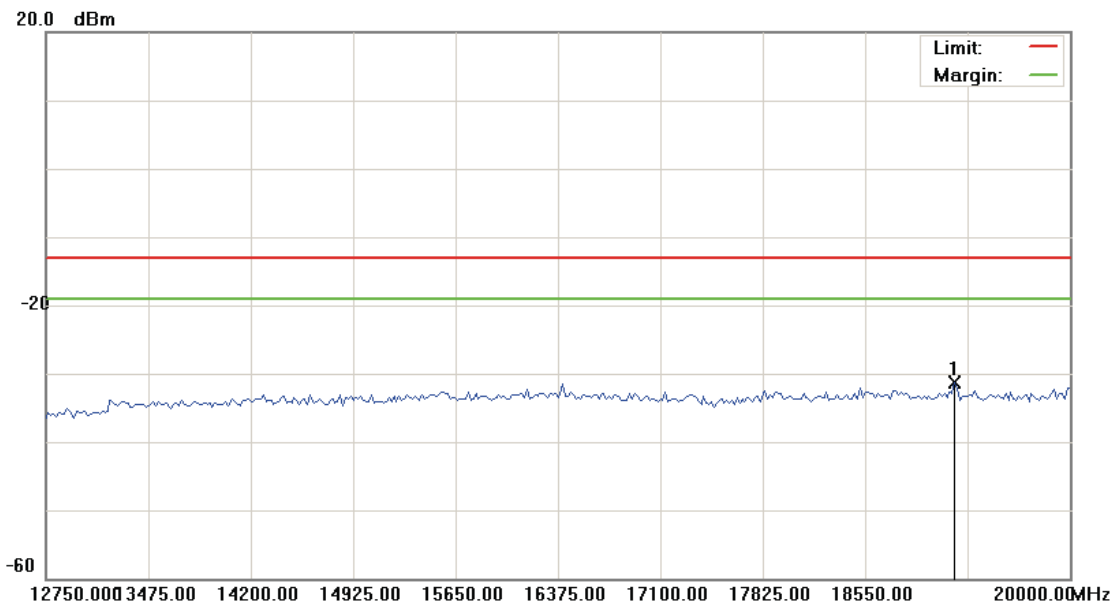
*:Maximum data x:Over limit !:over margin

File:PC10120(CH9400)

Data :#5

Date:2010/8/20

Time: PM 01:09:45



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: BAND II

Note: CH9400(1880MHz)

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	*	19184.375	-38.60	7.21	-31.39	-13.00	-18.39	peak		

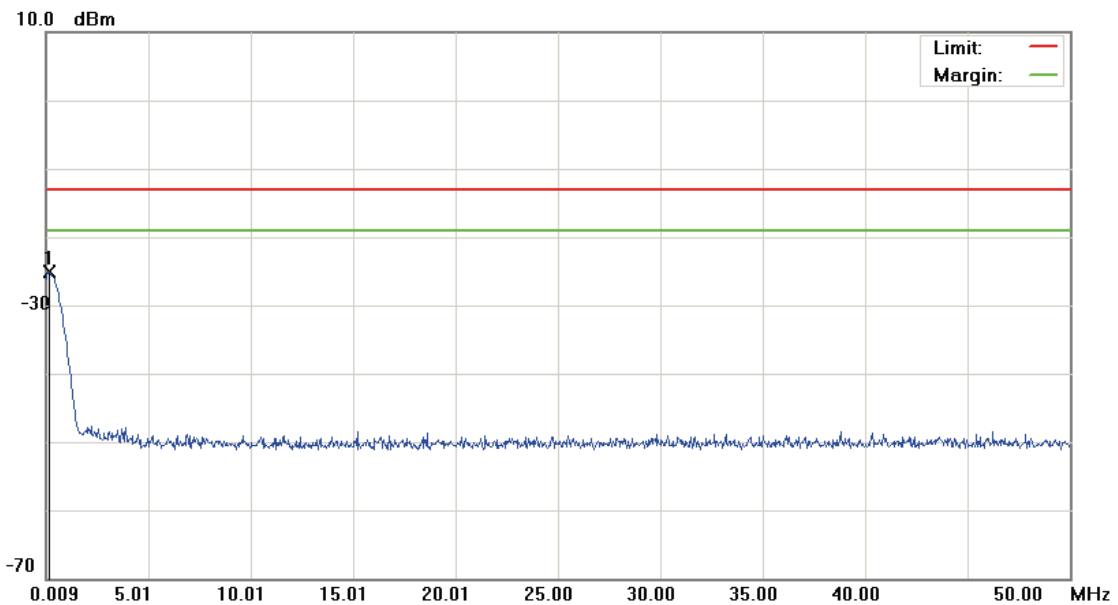
*:Maximum data x:Over limit !:over margin

File:PC10120(CH9538)

Data :#1

Date:2010/8/20

Time: AM 11:22:27



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: BAND II

Note: CH9538(1907.6MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	0.1340	-37.58	12.48	-25.10	-13.00	-12.10	peak		

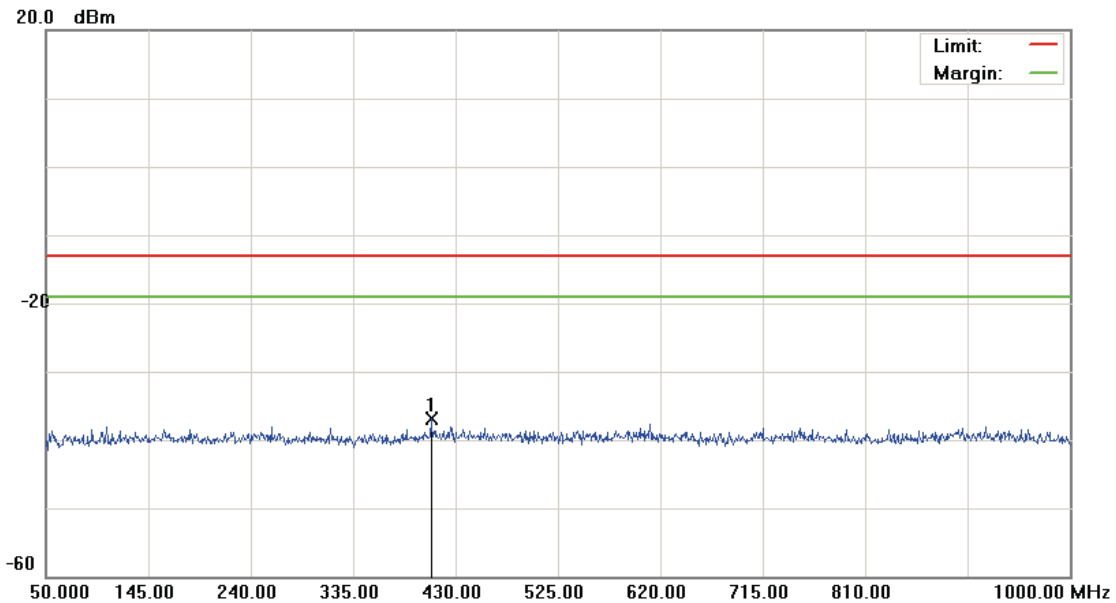
*:Maximum data x:Over limit !:over margin

File:PC10120(CH9538)

Data :#2

Date:2010/8/20

Time: AM 11:22:51



Site: : RF Conducted

Polarization: Conducted po

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

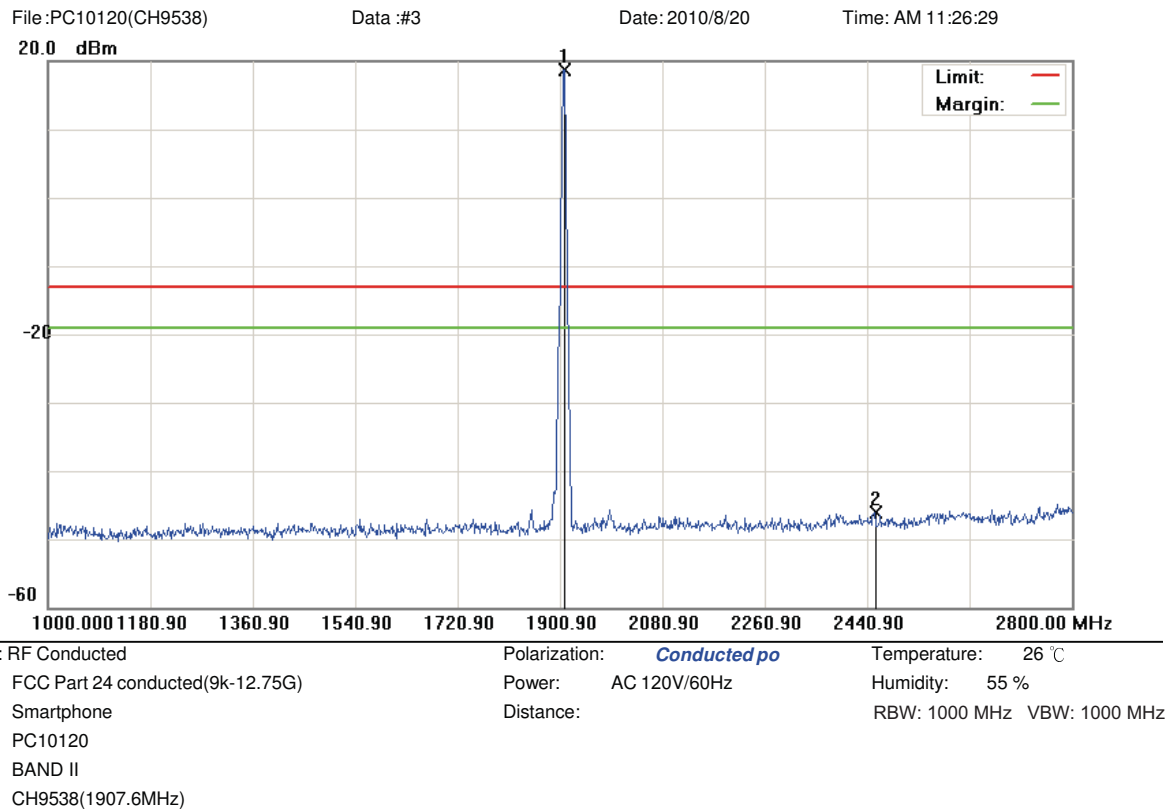
M/N: PC10120

Mode: BAND II

Note: CH9538(1907.6MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	407.2000	-50.22	13.25	-36.97	-13.00	-23.97	peak		

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



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	*	1906.300	12.71	6.05	18.76	-13.00	31.76	peak		TX
2		2453.500	-50.99	4.85	-46.14	-13.00	-33.14	peak		

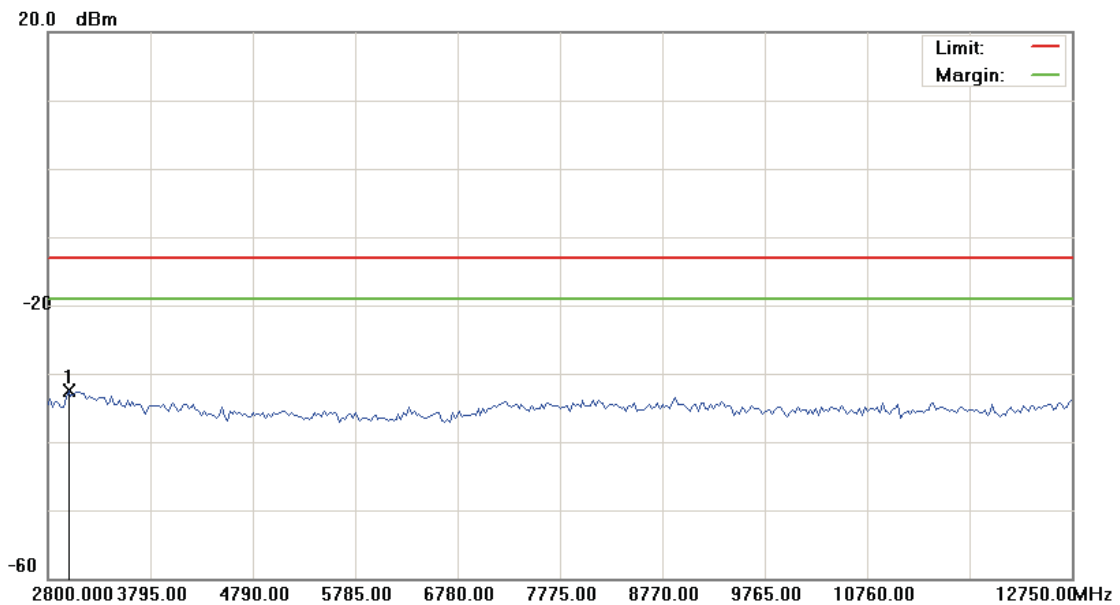
*:Maximum data x:Over limit !:over margin

File:PC10120(CH9538)

Data :#4

Date:2010/8/20

Time: PM 01:11:29



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: BAND II

Note: CH9538(1907.6MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	2999.000	-38.02	5.48	-32.54	-13.00	-19.54	peak		

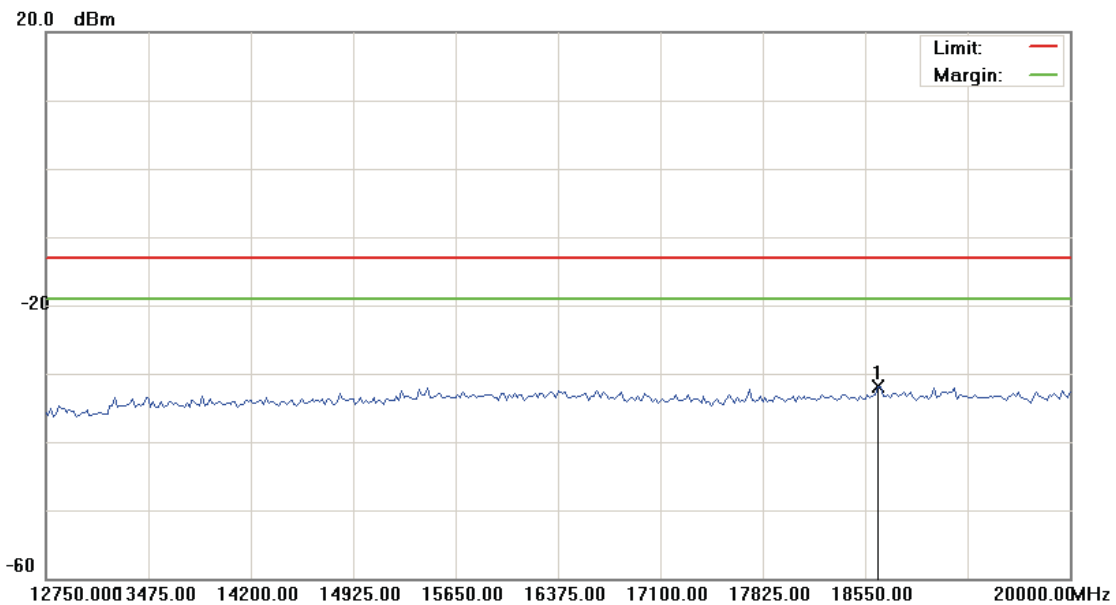
*:Maximum data x:Over limit !:over margin

File: PC10120(CH9538)

Data :#5

Date: 2010/8/20

Time: PM 01:11:54



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: BAND II

Note: CH9538(1907.6MHz)

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	*	18640.625	-38.99	7.05	-31.94	-13.00	-18.94	peak		

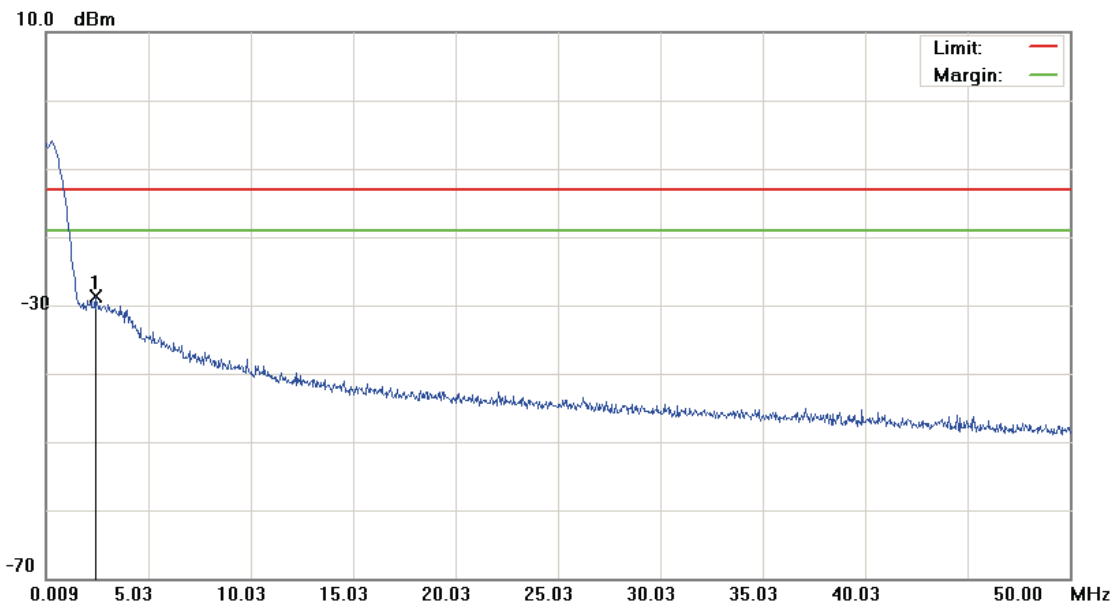
*:Maximum data x:Over limit !:over margin

File:PC10120(CH4132)

Data :#1

Date:2010/8/20

Time: AM 11:37:21



Site: : RF Conducted

Polarization: Conducted po

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

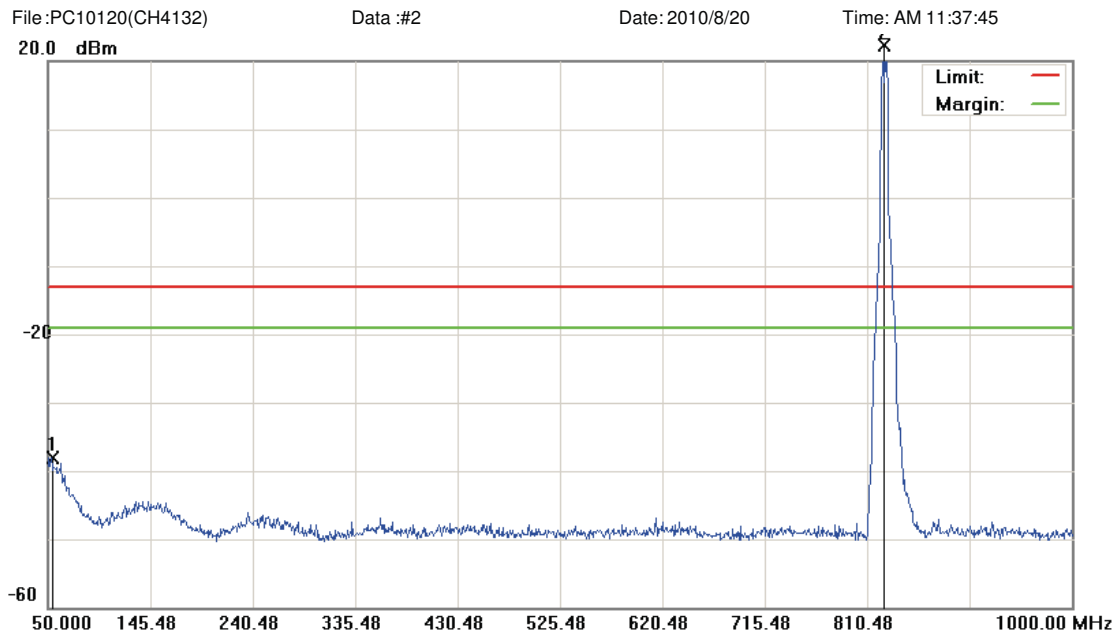
M/N: PC10120

Mode: BAND V

Note: CH4132(826.4MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	2.4336	-59.52	30.80	-28.72	-13.00	-15.72	peak		

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



Site: : RF Conducted Polarization: *Conducted po* Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G) Power: AC 120V/60Hz Humidity: 55 %
EUT: Smartphone Distance: RBW: 1000 MHz VBW: 1000 MHz
M/N: PC10120
Mode: BAND V
Note: CH4132(826.4MHz)

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	-52.14	14.10	-38.04	-13.00	-25.04	peak		
2	*	825.2000	18.45	3.84	22.29	-13.00	35.29	peak		TX

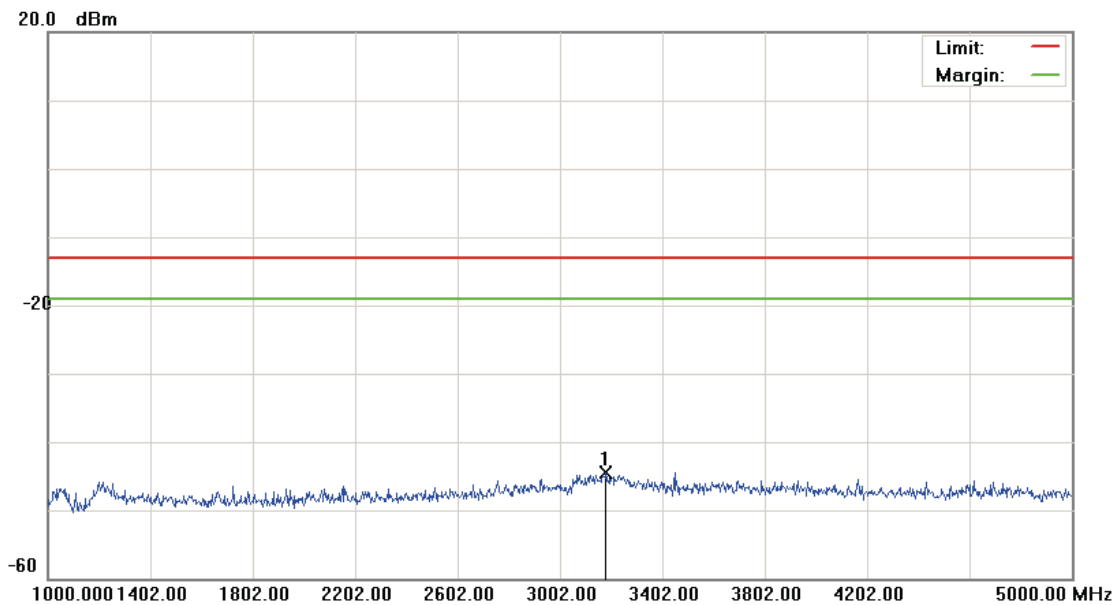
*:Maximum data x:Over limit !:over margin

File:PC10120(CH4132)

Data :#3

Date:2010/8/20

Time: PM 12:02:18



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: BAND V

Note: CH4132(826.4MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	3180.000	-49.11	4.62	-44.49	-13.00	-31.49	peak		

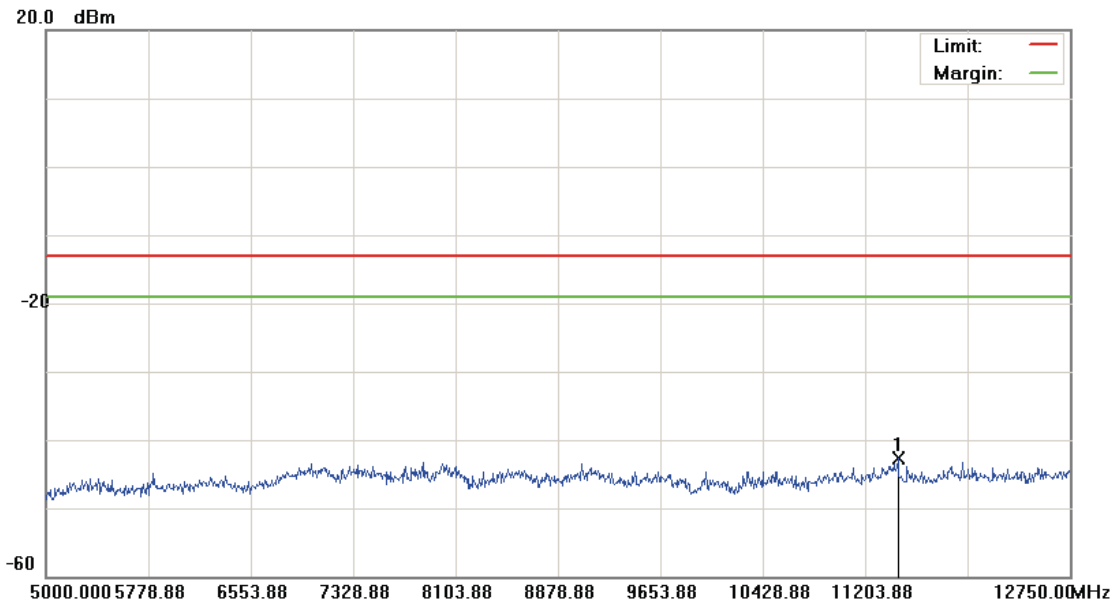
*:Maximum data x:Over limit !:over margin

File:PC10120(CH4132)

Data :#4

Date:2010/8/20

Time: PM 12:02:41



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: BAND V

Note: CH4132(826.4MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	11451.875	-48.32	5.55	-42.77	-13.00	-29.77	peak		

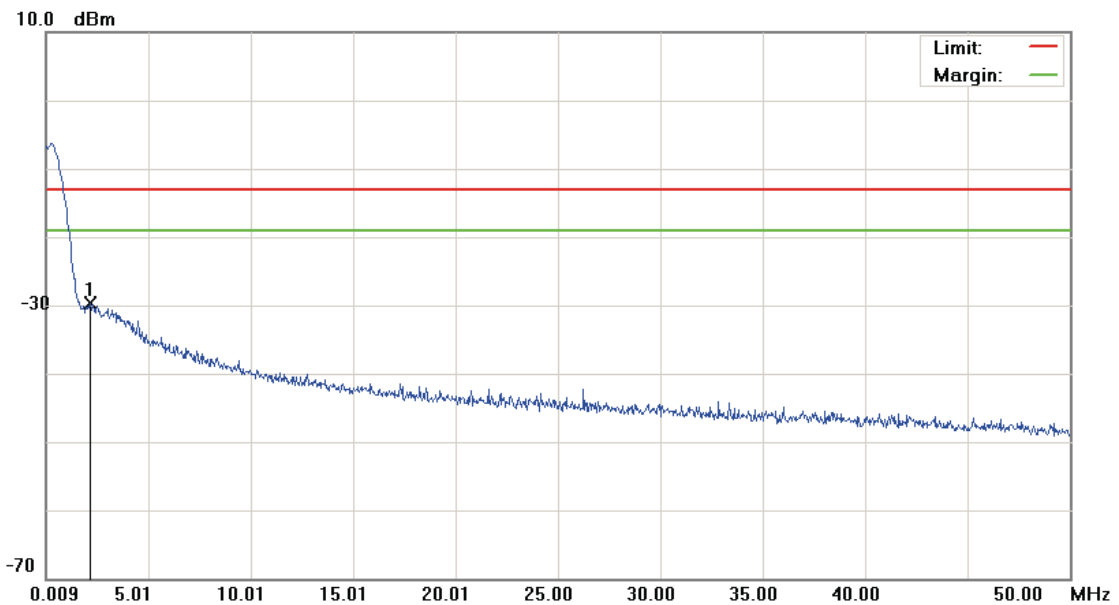
*:Maximum data x:Over limit !:over margin

File:PC10120(CH4182)

Data :#1

Date:2010/8/20

Time: AM 11:43:33



Site: : RF Conducted

Polarization: Conducted po

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

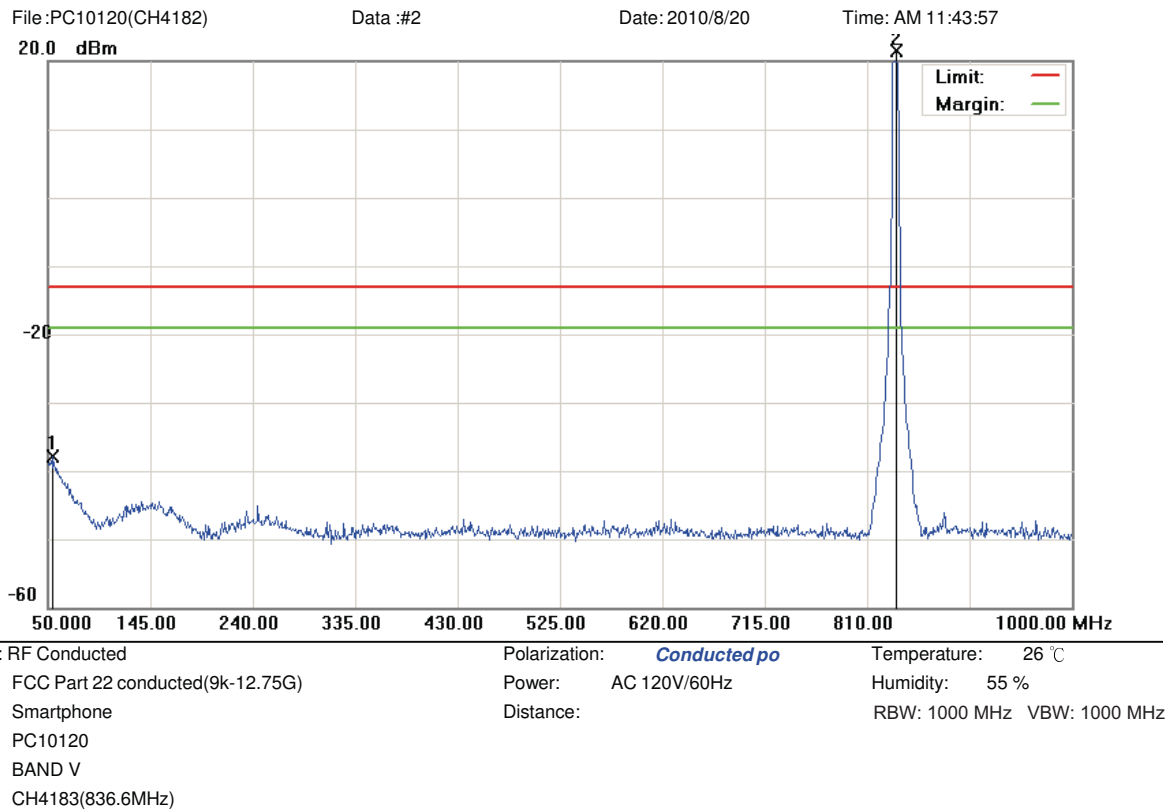
M/N: PC10120

Mode: BAND V

Note: CH4183(836.6MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	2.1586	-61.03	31.41	-29.62	-13.00	-16.62	peak		

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



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		54.7500	-51.76	13.85	-37.91	-13.00	-24.91	peak		
2	*	837.5500	17.50	3.97	21.47	-13.00	34.47	peak		TX

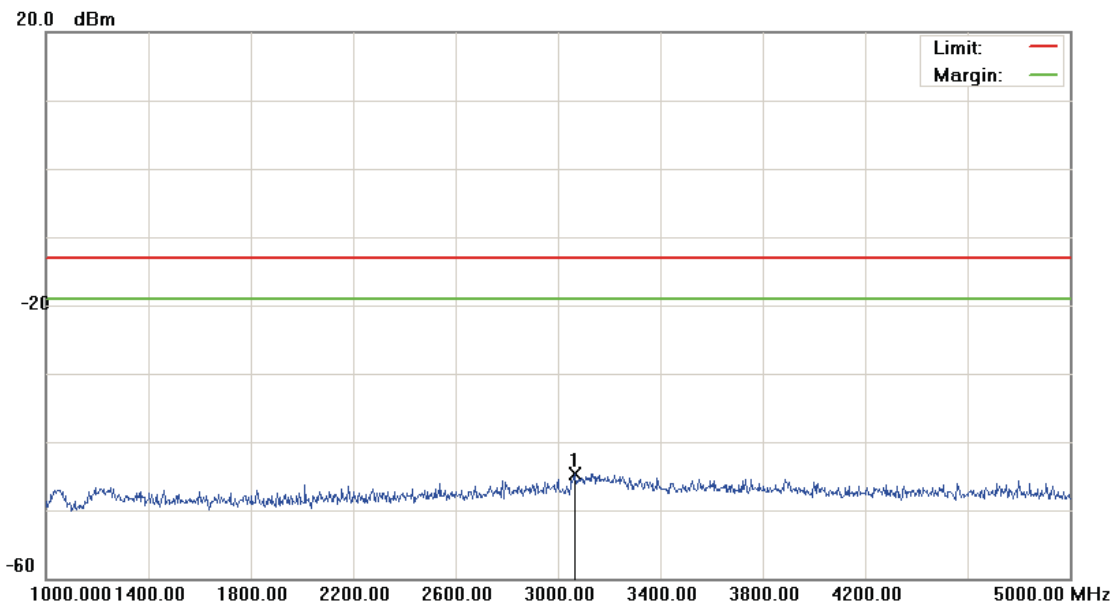
*:Maximum data x:Over limit !:over margin

File:PC10120(CH4182)

Data :#3

Date:2010/8/20

Time: PM 12:00:22



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: BAND V

Note: CH4183(836.6MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	3066.000	-49.02	4.39	-44.63	-13.00	-31.63	peak		

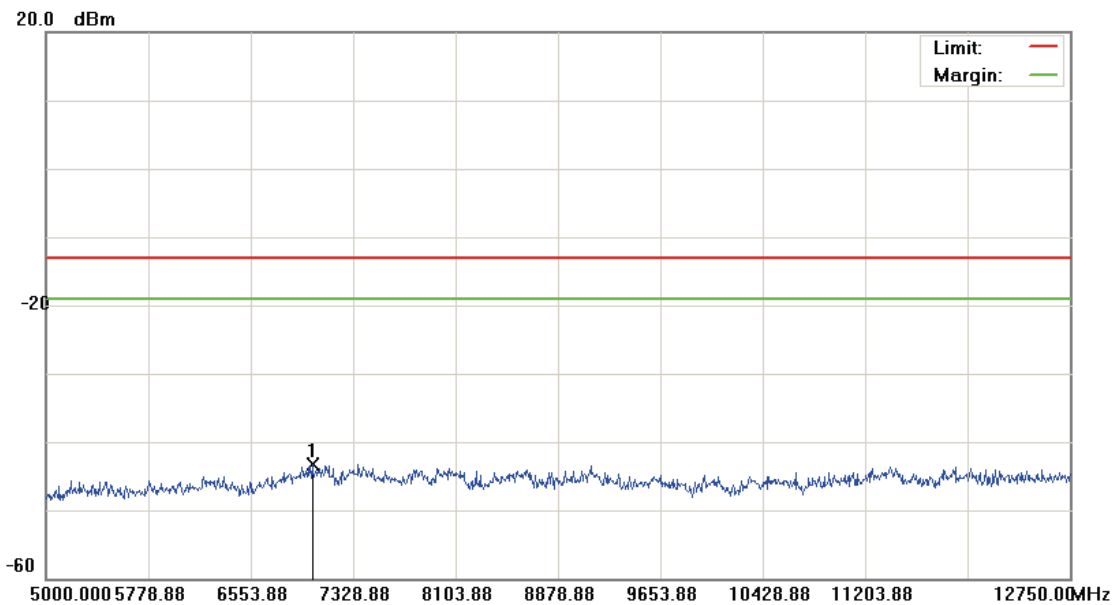
*:Maximum data x:Over limit !:over margin

File:PC10120(CH4182)

Data :#4

Date:2010/8/20

Time: PM 12:00:45



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: BAND V

Note: CH4183(836.6MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	7015.000	-48.20	4.89	-43.31	-13.00	-30.31	peak		

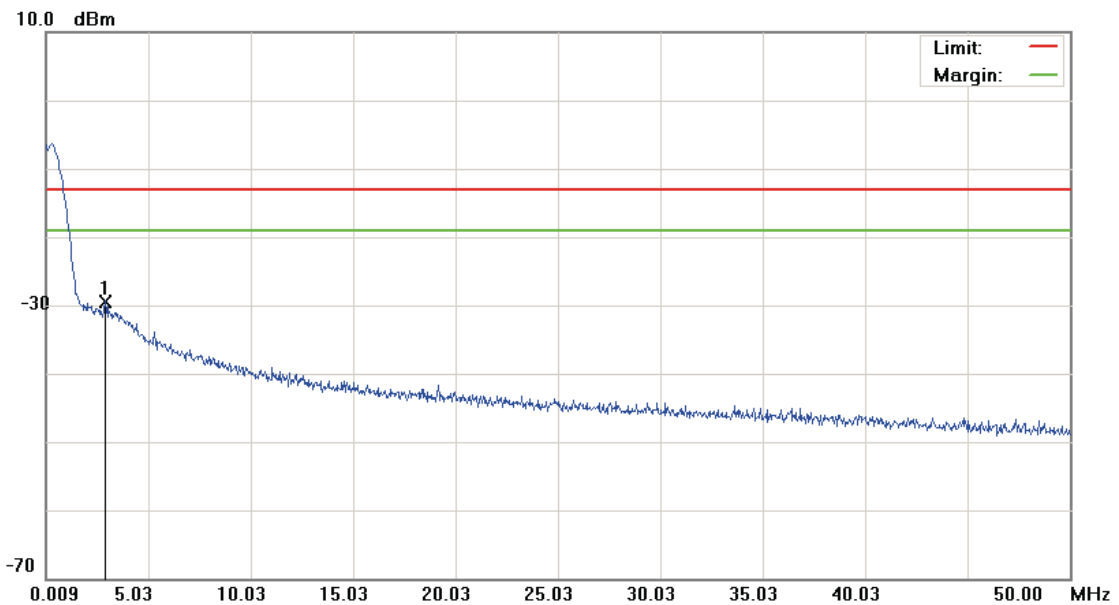
*:Maximum data x:Over limit !:over margin

File:PC10120(CH4233)

Data :#1

Date:2010/8/20

Time: AM 11:45:45



Site: : RF Conducted

Polarization: Conducted po

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

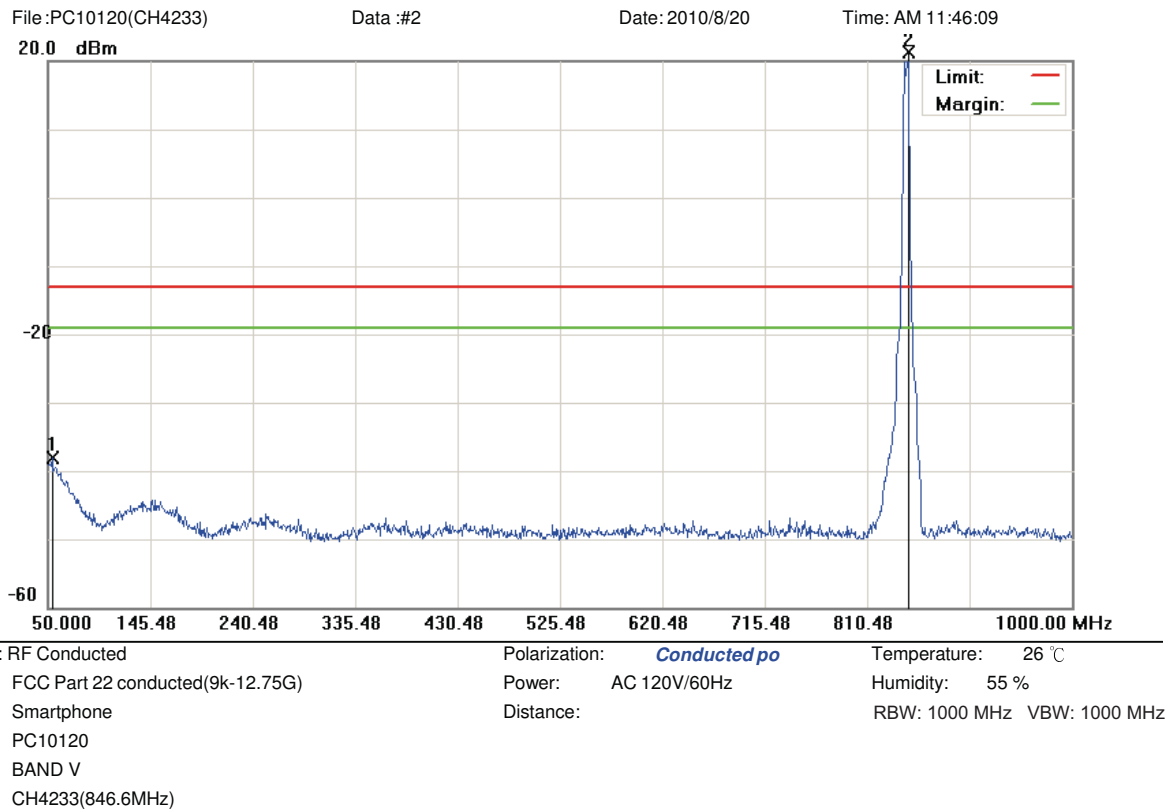
M/N: PC10120

Mode: BAND V

Note: CH4233(846.6MHz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	2.9085	-60.12	30.72	-29.40	-13.00	-16.40	peak		

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



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		53.8000	-52.21	14.02	-38.19	-13.00	-25.19	peak		
2	*	848.0000	17.40	3.98	21.38	-13.00	34.38	peak		TX

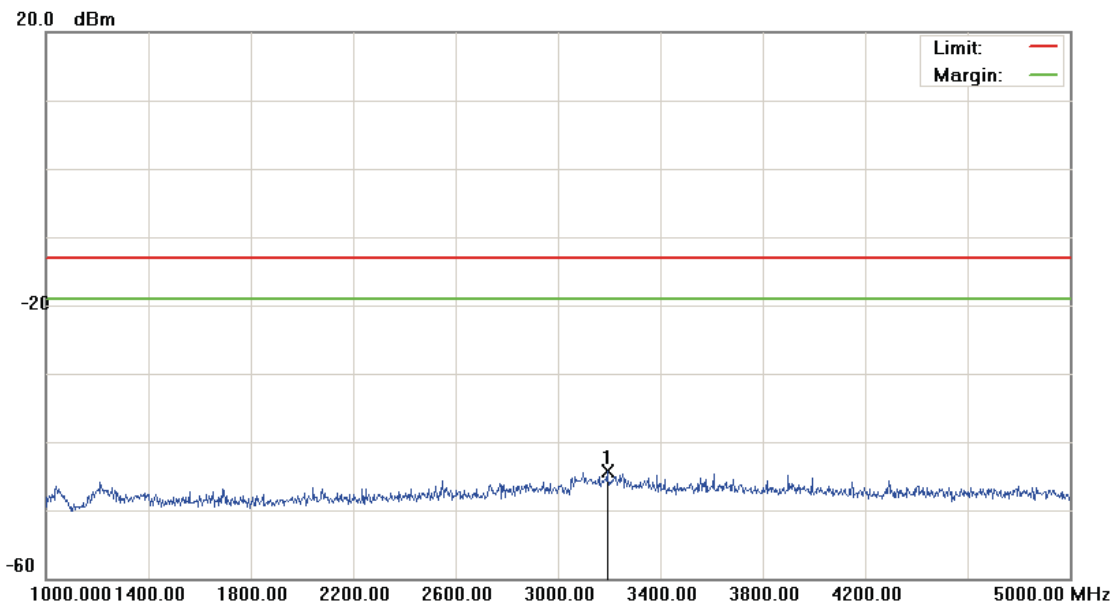
*:Maximum data x:Over limit !:over margin

File:PC10120(CH4233)

Data :#3

Date:2010/8/20

Time: AM 11:57:52



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: BAND V

Note: CH4233(846.6MHz)

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	*	3194.000	-48.93	4.65	-44.28	-13.00	-31.28	peak		

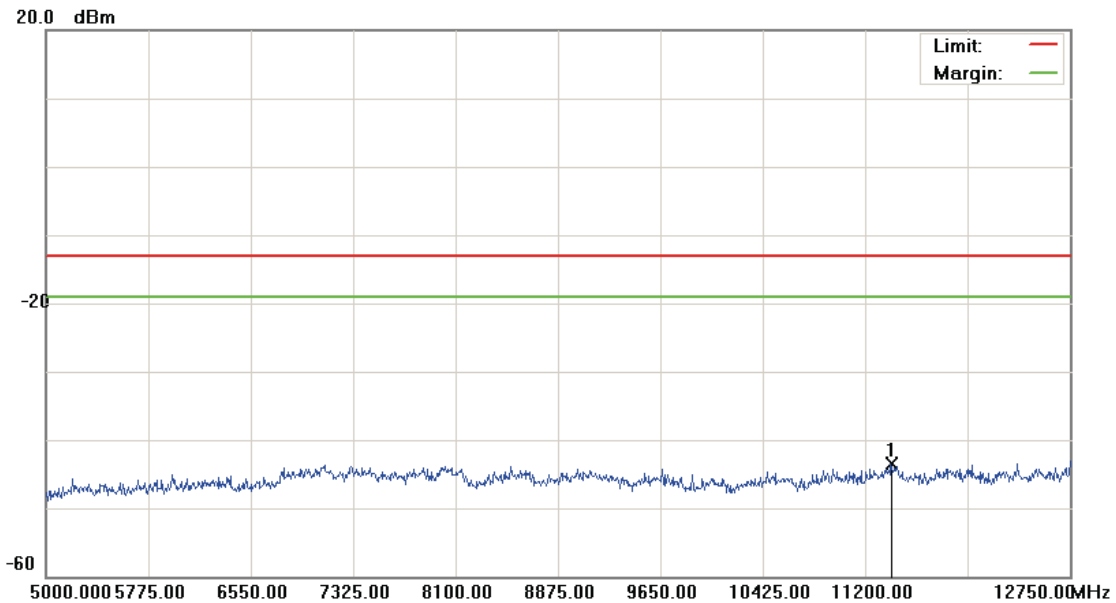
*:Maximum data x:Over limit !:over margin

File:PC10120(CH4233)

Data :#4

Date:2010/8/20

Time: AM 11:58:15



Site: : RF Conducted

Polarization: *Conducted po*

Temperature: 26 °C

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

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Smartphone

Distance:

RBW: 1000 MHz VBW: 1000 MHz

M/N: PC10120

Mode: BAND V

Note: CH4233(846.6MHz)

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	*	11397.625	-48.98	5.55	-43.43	-13.00	-30.43	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.

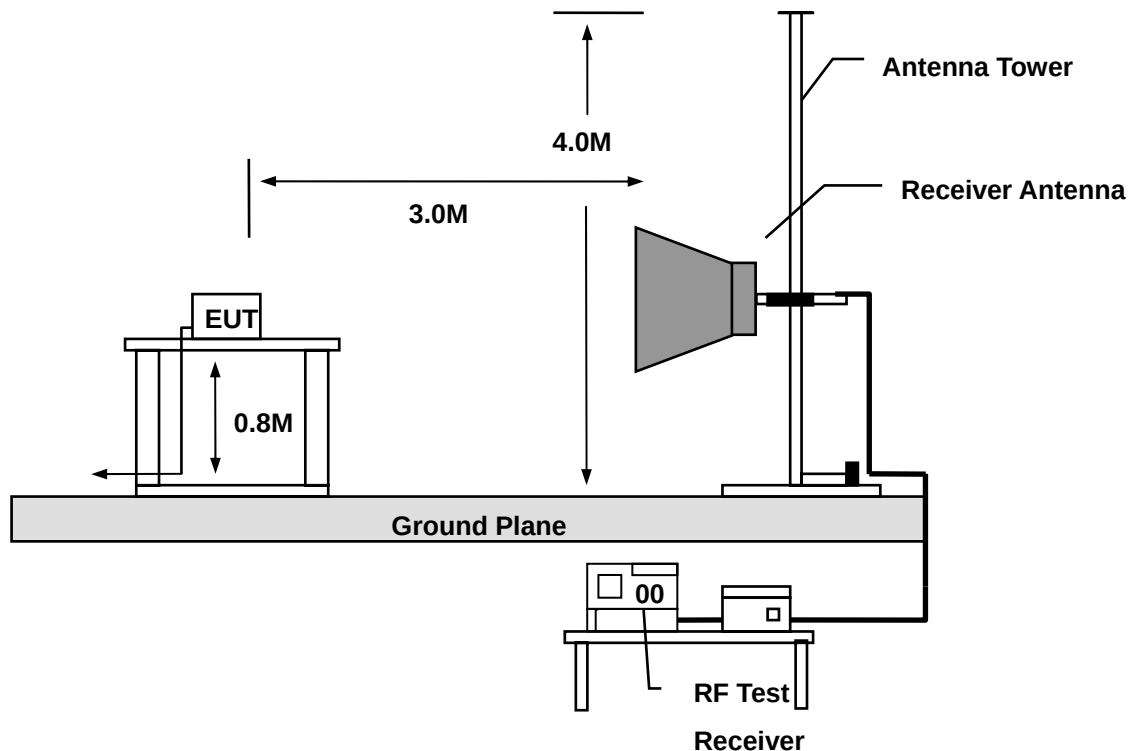
6.2. Test Instruments

3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/07/2009	(2)
Spectrum Analyzer	Agilent	E4446A	MY46180578	02/24/2010	(1)
Pre Amplifier	Agilent	8449B	3008A02237	02/24/2010	(1)
Pre Amplifier	Agilent	8447D	2944A10961	02/24/2010	(1)
Bi-log Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	08/02/2010	(1)
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/29/2010	(1)
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	06/29/2010	(1)
Test Site	ATL	TE01	888001	07/30/2010	(1)

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

Final radiation measurements were made on a three-meter, Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 meters height, top surface 1.0 x 1.5 meter. The spectrum was examined from 250 MHz to 2.5 GHz in order to cover the whole spectrum below 10th harmonic which could generate from the EUT. During the test, EUT was set to transmit continuously & Measurements spectrum range from 30 MHz to 26.5 GHz is investigated.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 1 MHz for peak measurements and 10 Hz for average measurements.

A nonconductive material surrounded the EUT to supporting the EUT for standing on three orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

SCHWARZBECK MESS-ELEKTRONIK Biconilog Antenna (model VULB9163) at 3 Meter and the SCHWARZBECK Double Ridged Guide Antenna (model BBHA9120D&9170) was used in frequencies 1 – 26.5 GHz at a distance of 1 meter. All test results were extrapolated to equivalent signal at 3 meters utilizing an inverse linear distance extrapolation Factor (20dB/decade).

For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. No post – detector video filters were used in the test.

The spectrum analyzer's 6 dB bandwidth was set to 1 MHz, and the analyzer was operated in the peak detection mode, for frequencies both below and up 1 GHz. The average levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in micro volts per meter (uV/m).

The actual field intensity in decibels referenced to 1 microvolt in to field intensity in micro volts per meter (dBuV/m).

The actual field intensity in decibels referenced to 1 microvolt per meter (dBuV/m) is determined by algebraically adding the measured reading in dBuV, the antenna factor (dB), and cable loss (dB) and Subtracting the gain of preamplifier (dB) is auto calculate in spectrum analyzer.

$$(1) \text{ Amplitude (dBuV/m) = FI (dBuV) + AF (dBuV) + CL (dBuV) - Gain (dB)}$$

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

$$(2) \text{ Actual Amplitude (dBuV/m) = Amplitude (dBuV) - Dis(dB)}$$

The FCC specified emission limits were calculated according the EUT operating frequency and by following linear interpolation equations:

(a) For fundamental frequency : Transmitter Output < +30dBm

(b) For spurious frequency : Spurious emission limits = fundamental emission limit /10

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:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 1	Date:	2010/09/02
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	37.7600	-79.23	12.44	-66.79	-13.00	-53.79	peak	H
2	98.8700	-70.18	0.52	-69.66	-13.00	-56.66	peak	H
3	141.5500	-63.98	-7.65	-71.63	-13.00	-58.63	peak	H
4	193.9300	-60.95	-6.37	-67.32	-13.00	-54.32	peak	H
5	302.5700	-58.99	-3.82	-62.81	-13.00	-49.81	peak	H
6	482.9900	-77.00	11.54	-65.46	-13.00	-52.46	peak	H
7	1214.000	-41.29	11.12	-30.17	-13.00	-17.17	peak	H
8	2784.000	-40.57	12.98	-27.59	-13.00	-14.59	peak	H
1	94.0200	-63.90	-4.91	-68.81	-13.00	-55.81	peak	V
2	137.6700	-59.22	-6.95	-66.17	-13.00	-53.17	peak	V
3	180.3500	-63.81	-1.36	-65.17	-13.00	-52.17	peak	V
4	281.2300	-68.34	6.38	-61.96	-13.00	-48.96	peak	V
5	474.2600	-73.81	0.54	-73.27	-13.00	-60.27	peak	V
6	736.1600	-78.59	9.22	-69.37	-13.00	-56.37	peak	V
7	1434.000	-42.13	5.14	-36.99	-13.00	-23.99	peak	V
8	2820.000	-40.53	14.74	-25.79	-13.00	-12.79	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 1	Date:	2010/09/02
Frequency:	836.4 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	40.6700	-78.29	12.14	-66.15	-13.00	-53.15	peak	H
2	94.9900	-70.80	0.82	-69.98	-13.00	-56.98	peak	H
3	141.5500	-65.57	-7.65	-73.22	-13.00	-60.22	peak	H
4	189.0800	-59.34	-6.60	-65.94	-13.00	-52.94	peak	H
5	303.5400	-60.82	-3.78	-64.60	-13.00	-51.60	peak	H
6	476.2000	-76.73	11.07	-65.66	-13.00	-52.66	peak	H
7	1244.000	-41.94	11.04	-30.90	-13.00	-17.90	peak	H
8	2728.000	-40.62	12.78	-27.84	-13.00	-14.84	peak	H
1	89.1700	-68.79	-6.39	-75.18	-13.00	-62.18	peak	V
2	137.6700	-56.75	-6.95	-63.70	-13.00	-50.70	peak	V
3	192.9600	-64.06	-0.63	-64.69	-13.00	-51.69	peak	V
4	288.9900	-67.01	5.78	-61.23	-13.00	-48.23	peak	V
5	444.1900	-73.19	0.40	-72.79	-13.00	-59.79	peak	V
6	670.2000	-77.32	8.60	-68.72	-13.00	-55.72	peak	V
7	1346.000	-40.34	4.61	-35.73	-13.00	-22.73	peak	V
8	2850.000	-41.55	14.99	-26.56	-13.00	-13.56	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 1	Date:	2010/09/02
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	36.7900	-79.52	12.52	-67.00	-13.00	-54.00	peak	H
2	94.0200	-68.64	0.92	-67.72	-13.00	-54.72	peak	H
3	137.6700	-64.20	-7.02	-71.22	-13.00	-58.22	peak	H
4	192.9600	-62.66	-6.39	-69.05	-13.00	-56.05	peak	H
5	298.6900	-58.87	-3.94	-62.81	-13.00	-49.81	peak	H
6	487.8400	-77.31	11.33	-65.98	-13.00	-52.98	peak	H
7	1150.000	-41.10	11.29	-29.81	-13.00	-16.81	peak	H
8	2692.000	-40.15	12.65	-27.50	-13.00	-14.50	peak	H
1	94.9900	-67.09	-4.62	-71.71	-13.00	-58.71	peak	V
2	137.6700	-58.04	-6.95	-64.99	-13.00	-51.99	peak	V
3	190.0500	-64.70	-0.58	-65.28	-13.00	-52.28	peak	V
4	288.0200	-68.35	5.85	-62.50	-13.00	-49.50	peak	V
5	482.9900	-73.38	0.56	-72.82	-13.00	-59.82	peak	V
6	680.8700	-78.81	9.03	-69.78	-13.00	-56.78	peak	V
7	1400.000	-41.64	4.93	-36.71	-13.00	-23.71	peak	V
8	2804.000	-40.41	14.62	-25.79	-13.00	-12.79	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2	Date:	2010/09/02
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	92.0800	-69.64	1.07	-68.57	-13.00	-55.57	peak	H
2	137.6700	-58.50	-7.02	-65.52	-13.00	-52.52	peak	H
3	191.9900	-59.69	-6.43	-66.12	-13.00	-53.12	peak	H
4	286.0800	-61.10	-4.21	-65.31	-13.00	-52.31	peak	H
5	477.1700	-77.75	11.23	-66.52	-13.00	-53.52	peak	H
6	911.7300	-79.78	16.55	-63.23	-13.00	-50.23	peak	H
7	1200.000	-41.37	11.16	-30.21	-13.00	-17.21	peak	H
8	2710.000	-40.92	12.72	-28.20	-13.00	-15.20	peak	H
1	93.0500	-66.27	-5.21	-71.48	-13.00	-58.48	peak	V
2	135.7300	-56.24	-6.72	-62.96	-13.00	-49.96	peak	V
3	181.3200	-62.55	-1.27	-63.82	-13.00	-50.82	peak	V
4	277.3500	-70.12	6.35	-63.77	-13.00	-50.77	peak	V
5	475.2300	-73.16	0.55	-72.61	-13.00	-59.61	peak	V
6	740.0400	-78.66	9.31	-69.35	-13.00	-56.35	peak	V
7	1288.000	-41.04	4.25	-36.79	-13.00	-23.79	peak	V
8	2762.000	-41.21	14.28	-26.93	-13.00	-13.93	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2	Date:	2010/09/02
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	93.0500	-68.68	1.00	-67.68	-13.00	-54.68	peak	H
2	133.7900	-61.74	-6.18	-67.92	-13.00	-54.92	peak	H
3	184.2300	-60.09	-7.19	-67.28	-13.00	-54.28	peak	H
4	288.9900	-60.11	-4.15	-64.26	-13.00	-51.26	peak	H
5	483.9600	-78.88	11.51	-67.37	-13.00	-54.37	peak	H
6	900.0900	-80.32	16.87	-63.45	-13.00	-50.45	peak	H
7	1494.000	-41.10	10.38	-30.72	-13.00	-17.72	peak	H
8	2766.000	-40.53	12.91	-27.62	-13.00	-14.62	peak	H
1	93.0500	-65.73	-5.21	-70.94	-13.00	-57.94	peak	V
2	133.7900	-59.94	-6.49	-66.43	-13.00	-53.43	peak	V
3	174.5300	-62.71	-1.69	-64.40	-13.00	-51.40	peak	V
4	281.2300	-69.29	6.38	-62.91	-13.00	-49.91	peak	V
5	475.2300	-71.44	0.55	-70.89	-13.00	-57.89	peak	V
6	664.3800	-78.57	8.31	-70.26	-13.00	-57.26	peak	V
7	1344.000	-41.96	4.59	-37.37	-13.00	-24.37	peak	V
8	2916.000	-41.05	15.54	-25.51	-13.00	-12.51	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2	Date:	2010/09/02
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	94.9900	-68.99	0.82	-68.17	-13.00	-55.17	peak	H
2	133.7900	-61.84	-6.18	-68.02	-13.00	-55.02	peak	H
3	194.9000	-61.05	-6.33	-67.38	-13.00	-54.38	peak	H
4	292.8700	-61.54	-4.07	-65.61	-13.00	-52.61	peak	H
5	479.1100	-77.98	11.55	-66.43	-13.00	-53.43	peak	H
6	899.1200	-80.39	16.78	-63.61	-13.00	-50.61	peak	H
7	1474.000	-41.36	10.42	-30.94	-13.00	-17.94	peak	H
8	2822.000	-39.56	13.11	-26.45	-13.00	-13.45	peak	H
1	92.0800	-62.89	-5.52	-68.41	-13.00	-55.41	peak	V
2	137.6700	-60.60	-6.95	-67.55	-13.00	-54.55	peak	V
3	188.1100	-62.27	-0.73	-63.00	-13.00	-50.00	peak	V
4	279.2900	-71.06	6.44	-64.62	-13.00	-51.62	peak	V
5	468.4400	-72.27	0.52	-71.75	-13.00	-58.75	peak	V
6	747.8000	-78.62	9.11	-69.51	-13.00	-56.51	peak	V
7	1580.000	-41.29	6.18	-35.11	-13.00	-22.11	peak	V
8	2744.000	-40.66	14.12	-26.54	-13.00	-13.54	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 3	Date:	2010/09/02
Frequency:	1852.4 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	93.0500	-67.25	1.00	-66.25	-13.00	-53.25	peak	H
2	138.6400	-60.94	-7.23	-68.17	-13.00	-55.17	peak	H
3	190.0500	-60.11	-6.49	-66.60	-13.00	-53.60	peak	H
4	288.0200	-62.90	-4.17	-67.07	-13.00	-54.07	peak	H
5	480.0800	-78.93	11.69	-67.24	-13.00	-54.24	peak	H
6	903.0000	-79.41	16.79	-62.62	-13.00	-49.62	peak	H
7	1276.000	-41.23	10.96	-30.27	-13.00	-17.27	peak	H
1	93.0500	-65.26	-5.21	-70.47	-13.00	-57.47	peak	V
2	133.7900	-60.42	-6.49	-66.91	-13.00	-53.91	peak	V
3	191.9900	-63.20	-0.62	-63.82	-13.00	-50.82	peak	V
4	278.3200	-70.34	6.40	-63.94	-13.00	-50.94	peak	V
5	663.4100	-78.00	8.25	-69.75	-13.00	-56.75	peak	V
6	995.1500	-80.47	11.05	-69.42	-13.00	-56.42	peak	V
7	1482.000	-42.23	5.44	-36.79	-13.00	-23.79	peak	V
8	2842.000	-41.37	14.92	-26.45	-13.00	-13.45	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 3	Date:	2010/09/02
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	93.050	-69.07	1.00	-68.07	-13.00	-55.07	peak	H
2	136.700	-59.43	-6.81	-66.24	-13.00	-53.24	peak	H
3	191.020	-61.38	-6.45	-67.83	-13.00	-54.83	peak	H
4	291.900	-62.63	-4.08	-66.71	-13.00	-53.71	peak	H
5	486.870	-78.34	11.37	-66.97	-13.00	-53.97	peak	H
6	908.820	-80.36	16.62	-63.74	-13.00	-50.74	peak	H
7	1338.000	-42.04	10.79	-31.25	-13.00	-18.25	peak	H
8	2818.000	-39.84	13.09	-26.75	-13.00	-13.75	peak	H
1	93.0500	-64.61	-5.21	-69.82	-13.00	-56.82	peak	V
2	135.7300	-57.95	-6.72	-64.67	-13.00	-51.67	peak	V
3	185.2000	-63.25	-0.96	-64.21	-13.00	-51.21	peak	V
4	277.3500	-70.04	6.35	-63.69	-13.00	-50.69	peak	V
5	469.4100	-74.18	0.53	-73.65	-13.00	-60.65	peak	V
6	686.6900	-78.72	8.77	-69.95	-13.00	-56.95	peak	V
7	1366.000	-41.93	4.73	-37.20	-13.00	-24.20	peak	V
8	2778.000	-41.18	14.41	-26.77	-13.00	-13.77	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 3	Date:	2010/09/02
Frequency:	1907.6 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	93.0500	-68.29	1.00	-67.29	-13.00	-54.29	peak	H
2	137.6700	-60.08	-7.02	-67.10	-13.00	-54.10	peak	H
3	190.0500	-60.87	-6.49	-67.36	-13.00	-54.36	peak	H
4	289.9600	-63.09	-4.12	-67.21	-13.00	-54.21	peak	H
5	486.8700	-78.69	11.37	-67.32	-13.00	-54.32	peak	H
6	892.3300	-79.07	16.06	-63.01	-13.00	-50.01	peak	H
7	1170.000	-41.26	11.24	-30.02	-13.00	-17.02	peak	H
8	2756.000	-41.17	12.88	-28.29	-13.00	-15.29	peak	H
1	93.0500	-63.06	-5.21	-68.27	-13.00	-55.27	peak	V
2	184.2300	-63.13	-1.04	-64.17	-13.00	-51.17	peak	V
3	281.2300	-70.57	6.38	-64.19	-13.00	-51.19	peak	V
4	463.5900	-74.06	0.52	-73.54	-13.00	-60.54	peak	V
5	698.3300	-78.53	8.22	-70.31	-13.00	-57.31	peak	V
6	983.5100	-80.45	10.62	-69.83	-13.00	-56.83	peak	V
7	1414.000	-42.18	5.02	-37.16	-13.00	-24.16	peak	V
8	2820.000	-40.77	14.74	-26.03	-13.00	-13.03	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4	Date:	2010/09/02
Frequency:	826.4 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	94.0200	-70.95	0.92	-70.03	-13.00	-57.03	peak	H
2	136.7000	-64.76	-6.81	-71.57	-13.00	-58.57	peak	H
3	192.9600	-61.00	-6.39	-67.39	-13.00	-54.39	peak	H
4	288.0200	-61.29	-4.17	-65.46	-13.00	-52.46	peak	H
5	477.1700	-76.17	11.23	-64.94	-13.00	-51.94	peak	H
6	907.8500	-77.60	16.65	-60.95	-13.00	-47.95	peak	H
7	1402.000	-40.58	10.62	-29.96	-13.00	-16.96	peak	H
8	2706.000	-41.42	12.70	-28.72	-13.00	-15.72	peak	H
1	94.0200	-66.05	-4.91	-70.96	-13.00	-57.96	peak	V
2	137.6700	-60.07	-6.95	-67.02	-13.00	-54.02	peak	V
3	179.3800	-64.18	-1.41	-65.59	-13.00	-52.59	peak	V
4	280.2600	-70.09	6.45	-63.64	-13.00	-50.64	peak	V
5	468.4400	-73.17	0.52	-72.65	-13.00	-59.65	peak	V
6	678.9300	-76.07	9.03	-67.04	-13.00	-54.04	peak	V
7	1386.000	-41.32	4.84	-36.48	-13.00	-23.48	peak	V
8	2762.000	-39.10	14.28	-24.82	-13.00	-11.82	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4	Date:	2010/09/02
Frequency:	836.4 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	94.0200	-68.07	0.92	-67.15	-13.00	-54.15	peak	H
2	136.7000	-64.30	-6.81	-71.11	-13.00	-58.11	peak	H
3	189.0800	-61.30	-6.60	-67.90	-13.00	-54.90	peak	H
4	292.8700	-61.60	-4.07	-65.67	-13.00	-52.67	peak	H
5	479.1100	-76.67	11.55	-65.12	-13.00	-52.12	peak	H
6	910.7600	-77.99	16.57	-61.42	-13.00	-48.42	peak	H
7	1254.000	-41.65	11.02	-30.63	-13.00	-17.63	peak	H
8	2768.000	-41.18	12.93	-28.25	-13.00	-15.25	peak	H
1	94.0200	-66.45	-4.91	-71.36	-13.00	-58.36	peak	V
2	136.7000	-61.34	-6.84	-68.18	-13.00	-55.18	peak	V
3	188.1100	-64.20	-0.73	-64.93	-13.00	-51.93	peak	V
4	284.1400	-69.68	6.16	-63.52	-13.00	-50.52	peak	V
5	743.9200	-76.39	9.21	-67.18	-13.00	-54.18	peak	V
6	973.8100	-77.30	10.33	-66.97	-13.00	-53.97	peak	V
7	1606.000	-41.42	6.37	-35.05	-13.00	-22.05	peak	V
8	2722.000	-40.61	13.94	-26.67	-13.00	-13.67	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4	Date:	2010/09/02
Frequency:	846.4 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	45.5200	-72.61	11.50	-61.11	-13.00	-48.11	peak	H
2	94.0200	-70.23	0.92	-69.31	-13.00	-56.31	peak	H
3	136.7000	-62.81	-6.81	-69.62	-13.00	-56.62	peak	H
4	189.0800	-60.92	-6.60	-67.52	-13.00	-54.52	peak	H
5	284.1400	-61.66	-4.25	-65.91	-13.00	-52.91	peak	H
6	483.9600	-76.88	11.51	-65.37	-13.00	-52.37	peak	H
7	1286.000	-41.41	10.93	-30.48	-13.00	-17.48	peak	H
8	2778.000	-41.10	12.97	-28.13	-13.00	-15.13	peak	H
1	94.0200	-67.31	-4.91	-72.22	-13.00	-59.22	peak	V
2	137.6700	-60.03	-6.95	-66.98	-13.00	-53.98	peak	V
3	176.4700	-64.51	-1.58	-66.09	-13.00	-53.09	peak	V
4	279.2900	-70.56	6.44	-64.12	-13.00	-51.12	peak	V
5	680.8700	-77.37	9.03	-68.34	-13.00	-55.34	peak	V
6	992.2400	-77.15	10.94	-66.21	-13.00	-53.21	peak	V
7	1270.000	-40.56	4.13	-36.43	-13.00	-23.43	peak	V
8	2752.000	-40.94	14.20	-26.74	-13.00	-13.74	peak	V

Standard:	RSS-132 / RSS-133	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 7	Date:	2010/09/07
		Test By:	Gary Wu

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
1	55.0000	38.89	-12.07	26.82	40.00	-13.18	QP	H
2	184.5000	48.55	-14.75	33.80	43.50	-9.70	QP	H
3	282.5000	36.84	-11.00	25.84	46.00	-20.16	QP	H
4	381.0000	31.32	-8.48	22.84	46.00	-23.16	QP	H
5	878.5000	32.62	-0.39	32.23	46.00	-13.77	QP	H
6	953.0000	32.63	0.96	33.59	46.00	-12.41	QP	H
7	3212.000	38.23	2.77	41.00	74.00	-33.00	peak	H
8	6726.000	34.45	13.57	48.02	74.00	-25.98	peak	H
1	52.0000	48.14	-11.81	36.33	40.00	-3.67	QP	V
2	62.5000	49.11	-13.40	35.71	40.00	-4.29	QP	V
3	184.5000	43.69	-14.75	28.94	43.50	-14.56	QP	V
4	258.0000	34.15	-11.84	22.31	46.00	-23.69	QP	V
5	878.5000	33.36	-0.39	32.97	46.00	-13.03	QP	V
6	952.0000	32.54	0.94	33.48	46.00	-12.52	QP	V
7	3009.000	41.28	2.32	43.60	74.00	-30.40	peak	V
8	6558.000	35.85	13.07	48.92	74.00	-25.08	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.

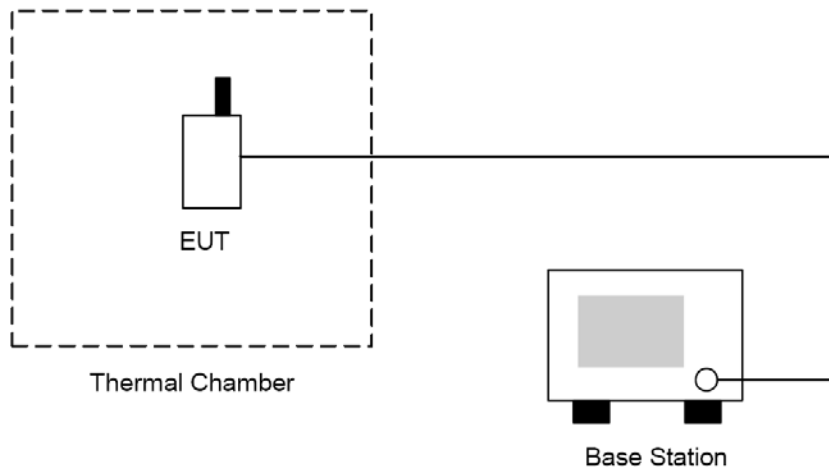
7.2. Test Instruments

Describe	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Universal Radio Communication Tester	ROHDE & SCHWARZ	CMU200	109369	08/10/2010	(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

Model Number	PC10120			
Test Item	Frequency Stability (Temperature Variation)			
Test Mode	Mode 1: GSM 850 Link			
Date of Test	08/19/2010		Test Site	TE02
Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
-30	21.44	0.026	±2.5	Pass
-20	21.39	0.026	±2.5	Pass
-10	19.48	0.023	±2.5	Pass
0	19.42	0.023	±2.5	Pass
10	19.79	0.024	±2.5	Pass
20	20.74	0.025	±2.5	Pass
30	18.44	0.022	±2.5	Pass
40	22.38	0.027	±2.5	Pass
50	22.77	0.027	±2.5	Pass

Model Number	PC10120			
Test Item	Frequency Stability (Temperature Variation)			
Test Mode	Mode 2: GSM 1900 Link			
Date of Test	08/19/2010		Test Site	TE02
Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
-30	18.38	0.010	±2.5	Pass
-20	19.87	0.011	±2.5	Pass
-10	20.26	0.011	±2.5	Pass
0	21.43	0.011	±2.5	Pass
10	18.69	0.010	±2.5	Pass
20	18.27	0.010	±2.5	Pass
30	15.48	0.008	±2.5	Pass
40	16.52	0.009	±2.5	Pass
50	18.55	0.010	±2.5	Pass

Model Number	PC10120			
Test Item	Frequency Stability (Temperature Variation)			
Test Mode	Mode 3: WCDMA Band II Link			
Date of Test	08/19/2010		Test Site	TE02
Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
-30	27.84	0.015	±2.5	Pass
-20	27.31	0.015	±2.5	Pass
-10	26.54	0.014	±2.5	Pass
0	25.55	0.014	±2.5	Pass
10	25.63	0.014	±2.5	Pass
20	26.14	0.014	±2.5	Pass
30	23.41	0.012	±2.5	Pass
40	26.53	0.014	±2.5	Pass
50	28.11	0.015	±2.5	Pass

Model Number	PC10120			
Test Item	Frequency Stability (Temperature Variation)			
Test Mode	Mode 4: WCDMA Band V Link			
Date of Test	08/19/2010		Test Site	TE02
Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
-30	27.65	0.033	±2.5	Pass
-20	26.36	0.032	±2.5	Pass
-10	25.69	0.031	±2.5	Pass
0	24.56	0.029	±2.5	Pass
10	25.78	0.031	±2.5	Pass
20	28.68	0.034	±2.5	Pass
30	27.45	0.033	±2.5	Pass
40	26.39	0.032	±2.5	Pass
50	26.34	0.031	±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.

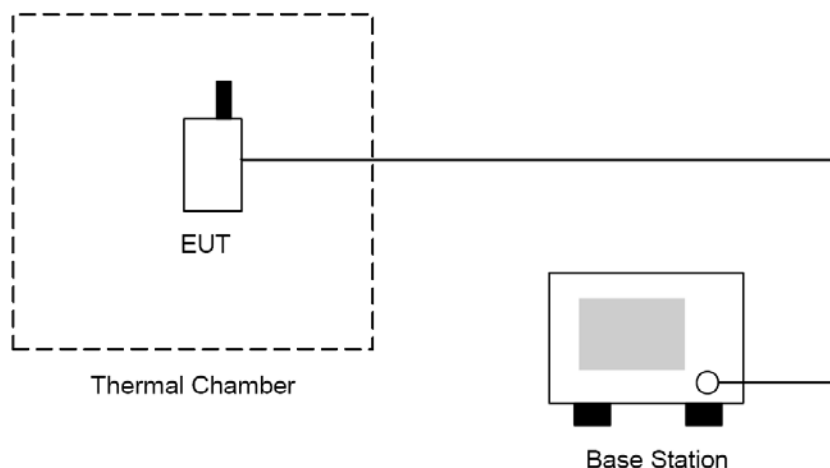
8.2. Test Instruments

Describe	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Universal Radio Communication Tester	ROHDE & SCHWARZ	CMU200	109369	08/10/2010	(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

Model Number	PC10120				
Test Item	Frequency Stability (Voltage Variation)				
Test Mode	Mode 1: GSM 850 Link				
Date of Test	08/19/2010		Test Site	TE02	
Level	Voltage [V]	Deviation [Hz]	Deviation [ppm]	Limit [ppm]	Result
Battery full point	4.20	22.59	0.027	± 2.5	Pass
Normal	3.70	23.48	0.028	± 2.5	Pass
Battery cut-off point	3.40	23.27	0.028	± 2.5	Pass

Model Number	PC10120				
Test Item	Frequency Stability (Voltage Variation)				
Test Mode	Mode 2: GSM 1900 Link				
Date of Test	08/19/2010		Test Site	TE02	
Level	Voltage [V]	Deviation [Hz]	Deviation [ppm]	Limit [ppm]	Result
Battery full point	4.20	22.45	0.012	± 2.5	Pass
Normal	3.70	23.72	0.013	± 2.5	Pass
Battery cut-off point	3.40	22.58	0.012	± 2.5	Pass

Model Number	PC10120				
Test Item	Frequency Stability (Voltage Variation)				
Test Mode	Mode 3: WCDMA Band II Link				
Date of Test	08/19/2010		Test Site	TE02	
Level	Voltage [V]	Deviation [Hz]	Deviation [ppm]	Limit [ppm]	Result
Battery full point	4.20	28.72	0.034	± 2.5	Pass
Normal	3.70	29.53	0.035	± 2.5	Pass
Battery cut-off point	3.40	27.79	0.033	± 2.5	Pass

Model Number	PC10120				
Test Item	Frequency Stability (Voltage Variation)				
Test Mode	Mode 4: WCDMA Band V Link				
Date of Test	08/19/2010		Test Site	TE02	
Level	Voltage [V]	Deviation [Hz]	Deviation [ppm]	Limit [ppm]	Result
Battery full point	4.20	25.64	0.014	±2.5	Pass
Normal	3.70	29.14	0.016	±2.5	Pass
Battery cut-off point	3.40	30.12	0.016	±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

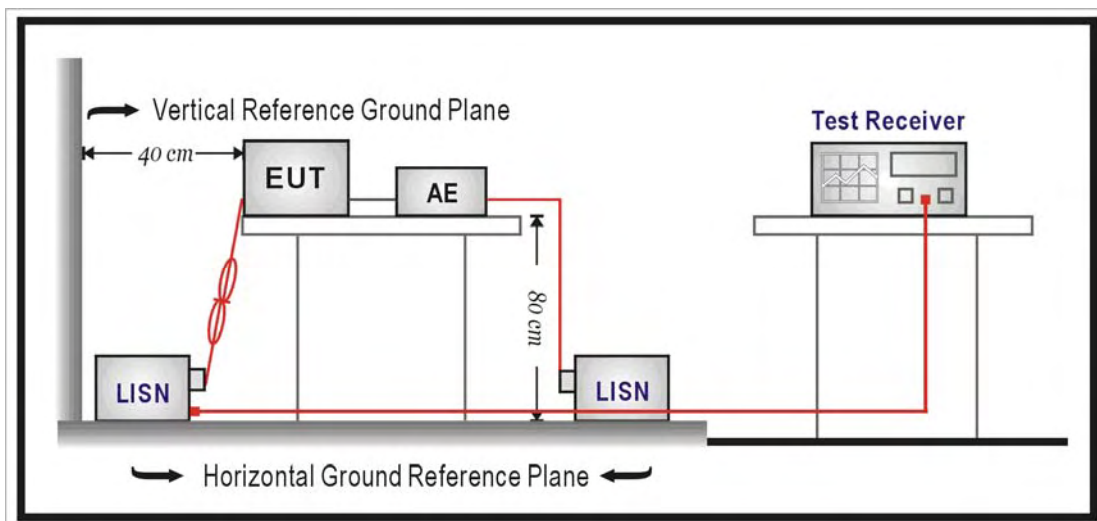
9.2. Test Instruments

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 rules 15.207:

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.

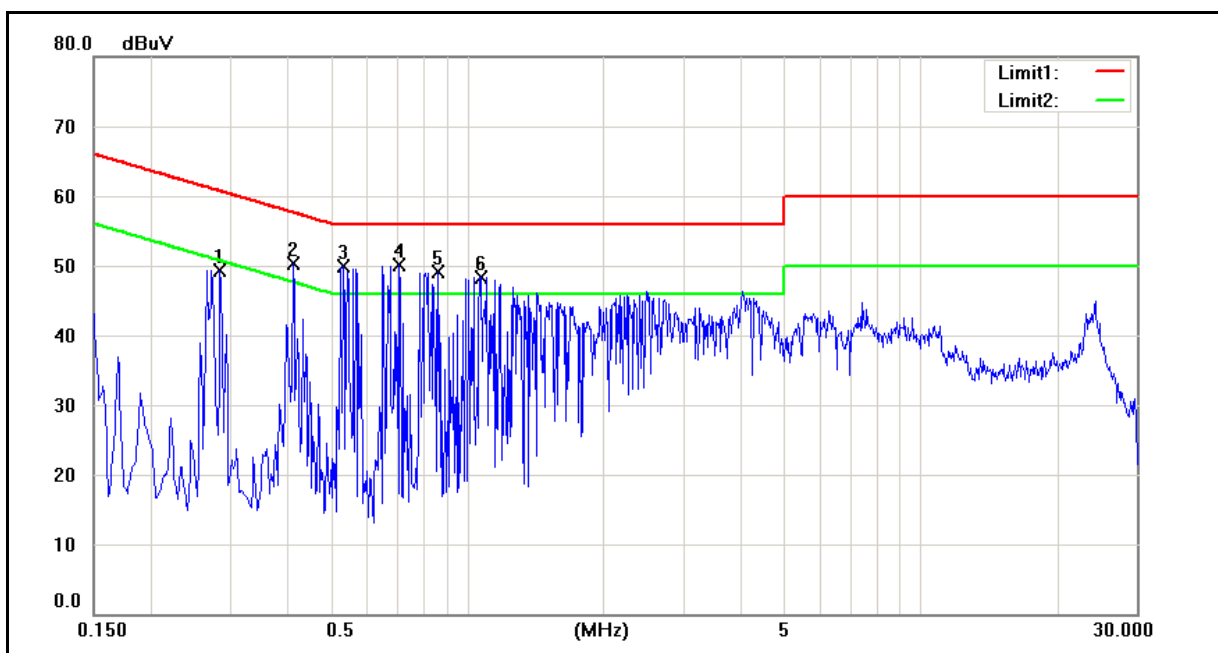
The spectrum was scanned from 150 KHz to 30 MHz. The physical arrangement of the test system and associated cabling was varied (within the scope of arrangements likely to be encountered in actual use) to determine the effect on the unit's emanations in amplitude and frequency. All spurious emission frequencies 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.

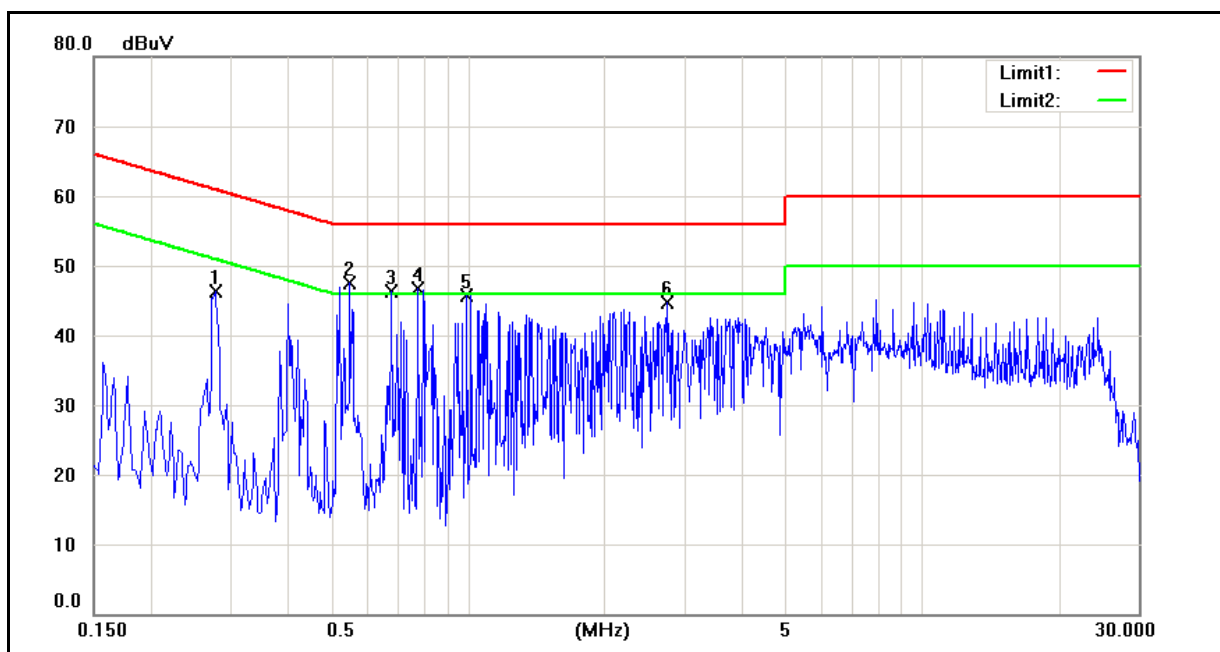
9.6. Test Result

Standard:	FCC Part 22H	Line:	L1
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 1	Date:	2010/08/20
		Test By:	Gary Wu
Description:			



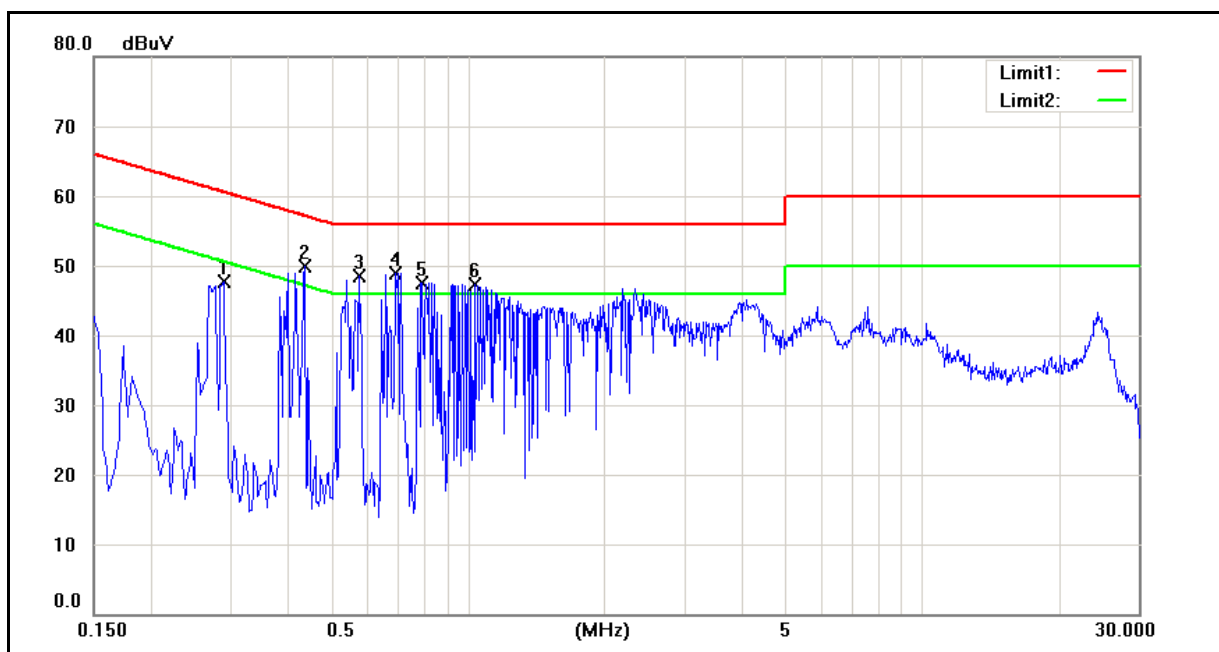
No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.2860	35.42	14.57	9.59	45.01	24.16	60.64	50.64	-15.63	-26.48	Pass
2	0.4140	33.66	16.61	9.59	43.25	26.20	57.57	47.57	-14.32	-21.37	Pass
3	0.5340	31.55	9.75	9.59	41.14	19.34	56.00	46.00	-14.86	-26.66	Pass
4	0.7060	28.34	6.79	9.60	37.94	16.39	56.00	46.00	-18.06	-29.61	Pass
5	0.8620	26.58	5.56	9.60	36.18	15.16	56.00	46.00	-19.82	-30.84	Pass
6	1.0740	27.74	8.12	9.60	37.34	17.72	56.00	46.00	-18.66	-28.28	Pass

Standard:	FCC Part 22H	Line:	N
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 1	Date:	2010/08/20
		Test By:	Gary Wu
Description:			



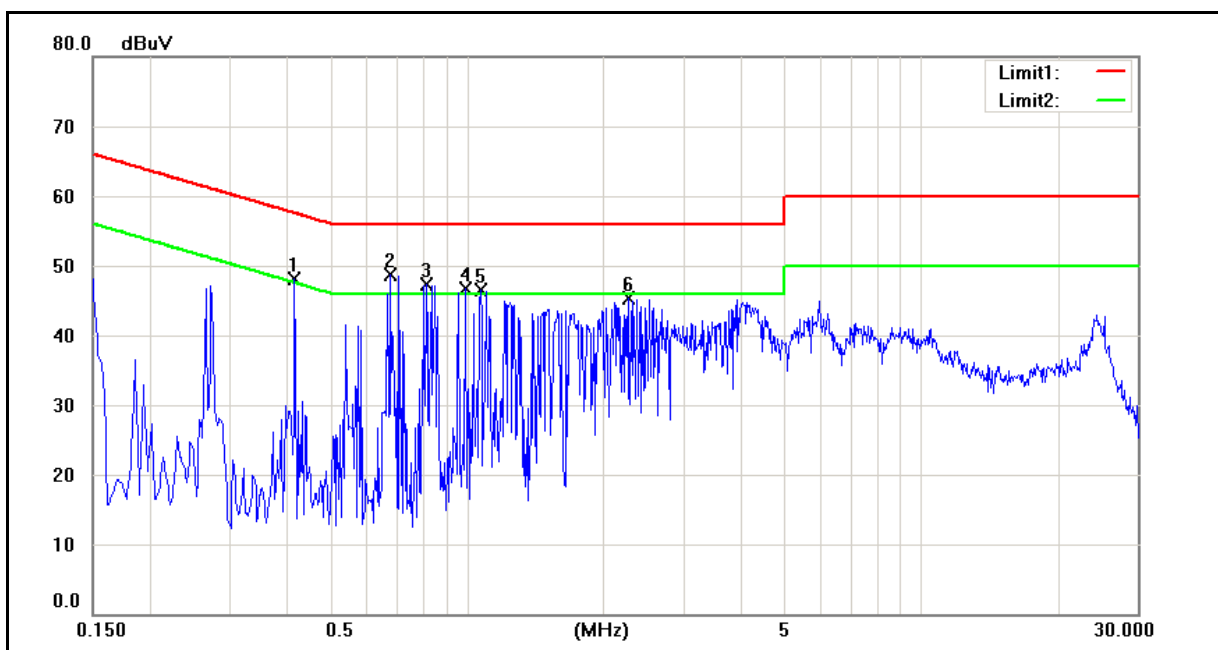
No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.2780	33.64	17.68	9.58	43.22	27.26	60.88	50.88	-17.66	-23.62	Pass
2	0.5500	35.35	16.69	9.59	44.94	26.28	56.00	46.00	-11.06	-19.72	Pass
3	0.6820	31.74	13.22	9.59	41.33	22.81	56.00	46.00	-14.67	-23.19	Pass
4	0.7780	30.56	6.87	9.59	40.15	16.46	56.00	46.00	-15.85	-29.54	Pass
5	0.9980	27.49	7.00	9.59	37.08	16.59	56.00	46.00	-18.92	-29.41	Pass
6	2.7460	31.24	13.57	9.61	40.85	23.18	56.00	46.00	-15.15	-22.82	Pass

Standard:	FCC Part 24E	Line:	L1
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2	Date:	2010/08/20
		Test By:	Gary Wu
Description:			



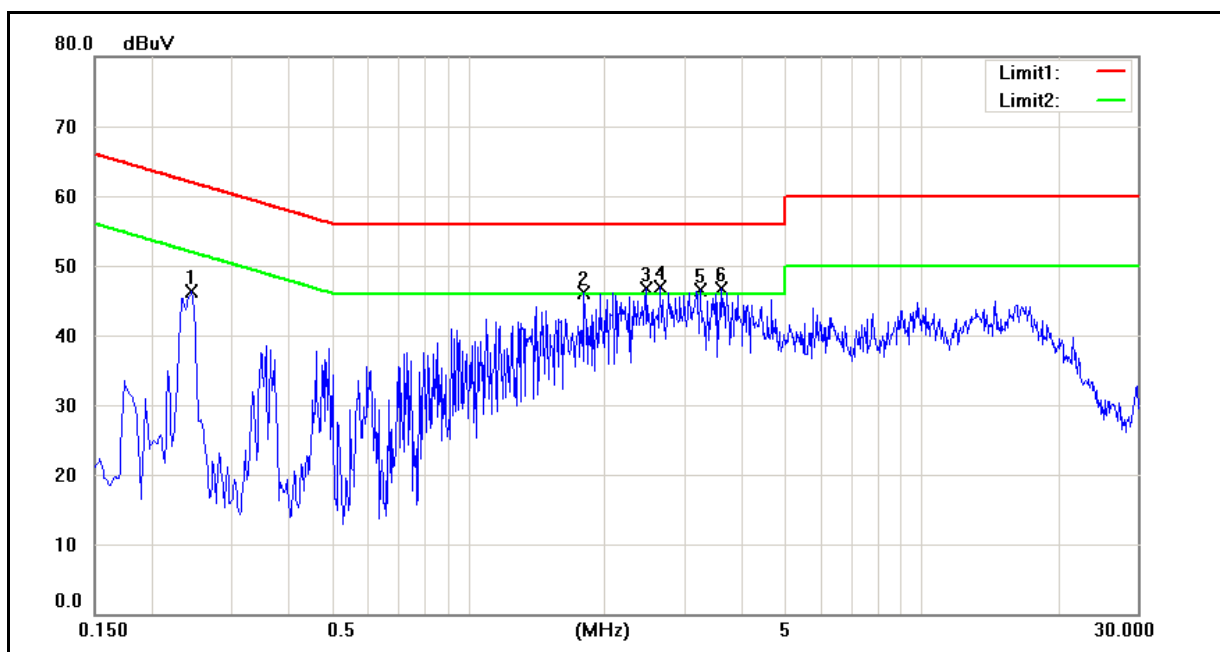
No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.2900	34.15	12.66	9.59	43.74	22.25	60.52	50.52	-16.78	-28.27	Pass
2	0.4380	34.48	8.52	9.59	44.07	18.11	57.10	47.10	-13.03	-28.99	Pass
3	0.5780	33.52	9.79	9.59	43.11	19.38	56.00	46.00	-12.89	-26.62	Pass
4	0.6940	34.07	10.67	9.59	43.66	20.26	56.00	46.00	-12.34	-25.74	Pass
5	0.7940	32.78	10.02	9.60	42.38	19.62	56.00	46.00	-13.62	-26.38	Pass
6	1.0380	31.74	8.17	9.60	41.34	17.77	56.00	46.00	-14.66	-28.23	Pass

Standard:	FCC Part 24E	Line:	N
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 2	Date:	2010/08/20
		Test By:	Gary Wu
Description:			



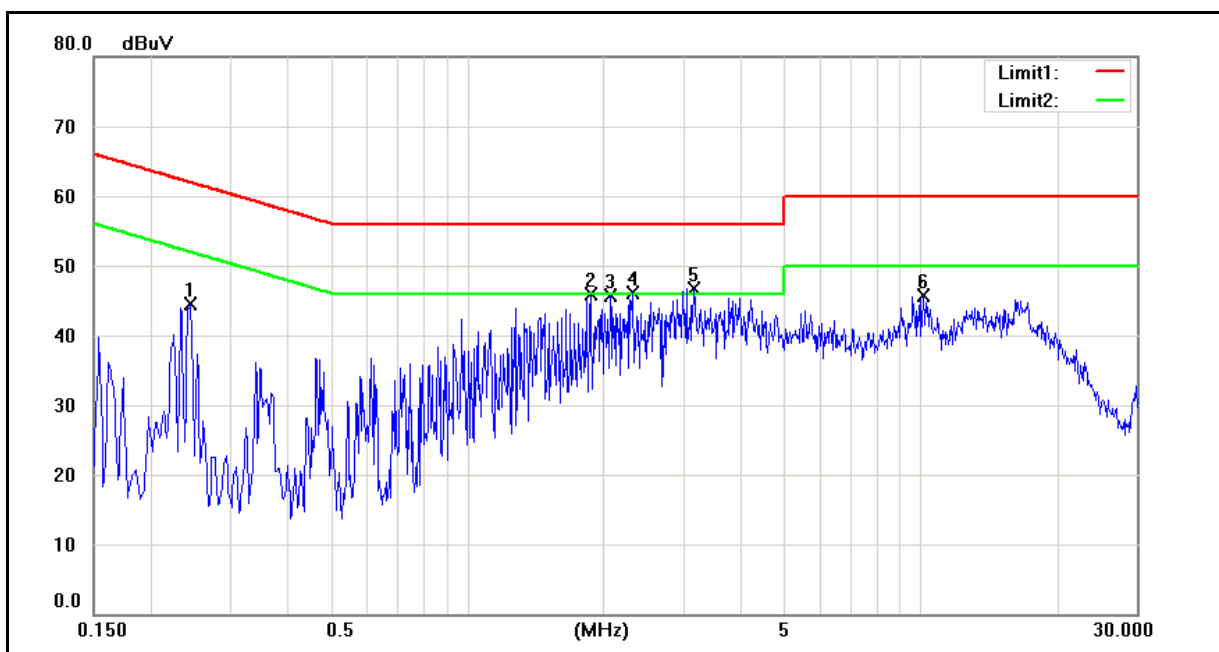
No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.4180	35.39	13.17	9.59	44.98	22.76	57.49	47.49	-12.51	-24.73	Pass
2	0.6780	33.99	11.14	9.59	43.58	20.73	56.00	46.00	-12.42	-25.27	Pass
3	0.8140	32.93	10.96	9.59	42.52	20.55	56.00	46.00	-13.48	-25.45	Pass
4	0.9900	31.10	7.08	9.59	40.69	16.67	56.00	46.00	-15.31	-29.33	Pass
5	1.0740	31.10	9.98	9.59	40.69	19.57	56.00	46.00	-15.31	-26.43	Pass
6	2.2820	28.65	9.41	9.60	38.25	19.01	56.00	46.00	-17.75	-26.99	Pass

Standard:	FCC Part 24E	Line:	L1
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 3	Date:	2010/08/20
		Test By:	Gary Wu
Description:			



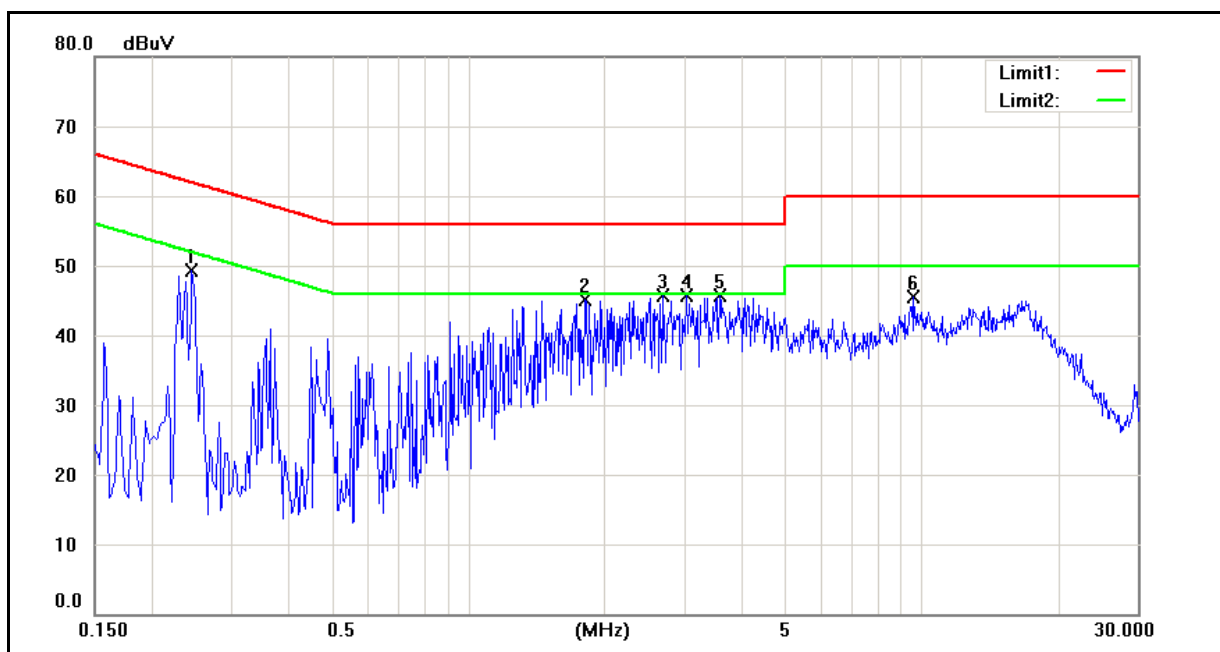
No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.2460	33.59	17.08	9.59	43.18	26.67	61.89	51.89	-18.71	-25.22	Pass
2	1.8060	28.93	14.87	9.61	38.54	24.48	56.00	46.00	-17.46	-21.52	Pass
3	2.4860	27.91	15.47	9.61	37.52	25.08	56.00	46.00	-18.48	-20.92	Pass
4	2.6540	28.92	16.43	9.62	38.54	26.05	56.00	46.00	-17.46	-19.95	Pass
5	3.2540	28.12	16.61	9.62	37.74	26.23	56.00	46.00	-18.26	-19.77	Pass
6	3.6380	27.89	16.88	9.63	37.52	26.51	56.00	46.00	-18.48	-19.49	Pass

Standard:	FCC Part 24E	Line:	N
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 3	Date:	2010/08/20
		Test By:	Gary Wu
Description:			



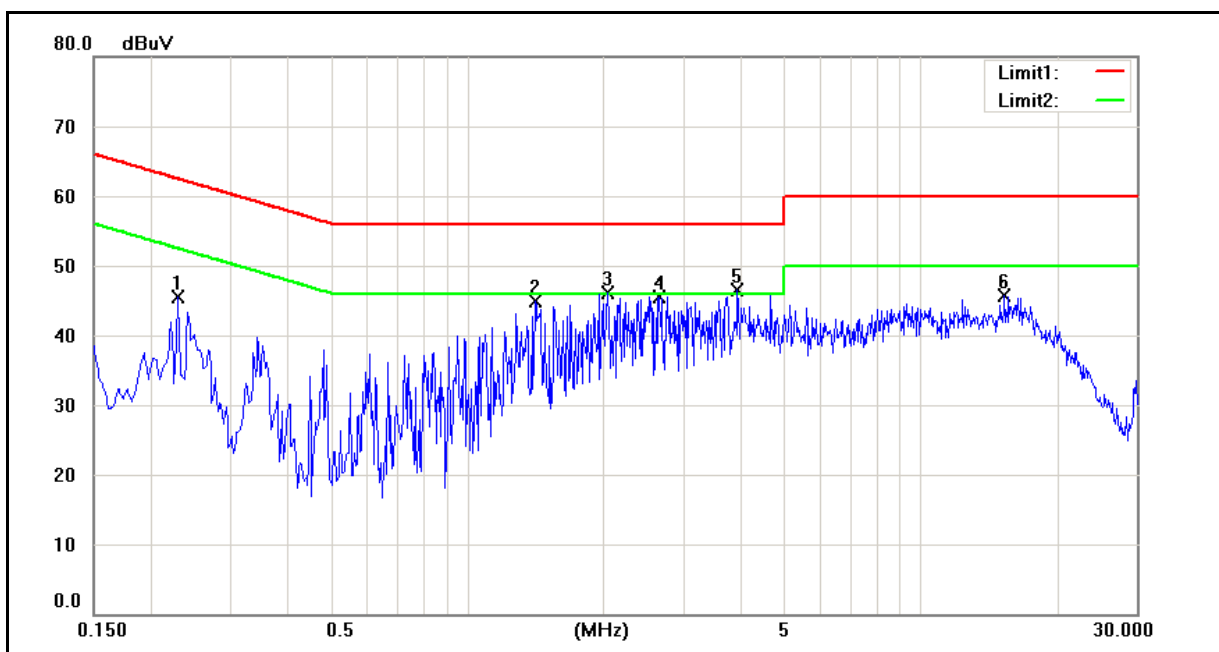
No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.2460	32.67	16.43	9.58	42.25	26.01	61.89	51.89	-19.64	-25.88	Pass
2	1.8740	27.35	13.23	9.60	36.95	22.83	56.00	46.00	-19.05	-23.17	Pass
3	2.0700	27.97	15.29	9.60	37.57	24.89	56.00	46.00	-18.43	-21.11	Pass
4	2.3260	29.45	16.35	9.60	39.05	25.95	56.00	46.00	-16.95	-20.05	Pass
5	3.1660	28.81	16.84	9.61	38.42	26.45	56.00	46.00	-17.58	-19.55	Pass
6	10.1380	27.01	18.33	9.71	36.72	28.04	60.00	50.00	-23.28	-21.96	Pass

Standard:	FCC Part 22H	Line:	L1
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4	Date:	2010/08/20
		Test By:	Gary Wu
Description:			



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.2460	35.81	19.13	9.59	45.40	28.72	61.89	51.89	-16.49	-23.17	Pass
2	1.8140	28.50	14.98	9.61	38.11	24.59	56.00	46.00	-17.89	-21.41	Pass
3	2.6860	28.77	16.51	9.62	38.39	26.13	56.00	46.00	-17.61	-19.87	Pass
4	3.0340	28.64	16.80	9.62	38.26	26.42	56.00	46.00	-17.74	-19.58	Pass
5	3.5940	28.67	17.06	9.63	38.30	26.69	56.00	46.00	-17.70	-19.31	Pass
6	9.5980	27.03	18.87	9.70	36.73	28.57	60.00	50.00	-23.27	-21.43	Pass

Standard:	FCC Part 22H	Line:	N
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Model:	PC10120	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4	Date:	2010/08/20
		Test By:	Gary Wu
Description:			



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.2300	21.91	10.02	9.58	31.49	19.60	62.45	52.45	-30.96	-32.85	Pass
2	1.4140	24.16	12.25	9.59	33.75	21.84	56.00	46.00	-22.25	-24.16	Pass
3	2.0420	33.12	20.42	9.60	42.72	30.02	56.00	46.00	-13.28	-15.98	Pass
4	2.6540	32.07	18.79	9.61	41.68	28.40	56.00	46.00	-14.32	-17.60	Pass
5	3.9460	26.02	17.87	9.62	35.64	27.49	56.00	46.00	-20.36	-18.51	Pass
6	15.3660	27.61	19.43	9.82	37.43	29.25	60.00	50.00	-22.57	-20.75	Pass