

# FCC CERTIFICATION REPORT

Test Report No.: EI/2012/70011

Applicant : Sony Mobile Communications AB

Address of Applicant : Nya Vattentornet 22188 Lund/SWEDEN

**Equipment Under Test (EUT) :**

Product Name: Mobile Phone

Brand Name : Sony

Marketing Name : ST23i

Model No. : PM-0180-BV

Added Model(s) : N/A

FCC ID : PY7PM-0180

IC: 4170B-PM0180

Standards : FCC Part 15:2010, Subpart B, Class B  
ICES-003(Feb. 2004)

Date of Receipt : Apr. 16, 2012

Date of Test : Jul. 15 ~ 16, 2012

Date of Issue : Aug. 17, 2012

Test Result :	PASS
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In the configuration tested, the EUT complied with the standards specified above.

**Remarks :**

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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Test By: Jimmy Liu Date: Aug. 17, 2012

Jimmy Liu / Engineer

Prepared By: Jessie Li Date: Aug. 17, 2012

Jessie Li (Clerk)

Approved By: Jim Chang Date: Aug. 17, 2012

Jim Chang / Supervisor

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## Version

Version No.	Description	Date
00	Original report	Jul. 17, 2012
01	Revised the IC	Jul. 20, 2012
02	Revised the interior photo	Aug. 17, 2012

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## 1. General Information

### 1.1 Applicant & Manufacturer Information

Applicant : Sony Mobile Communications AB

Address of Applicant : Nya Vattentorget 22188 Lund/SWEDEN

### 1.2 General Description of EUT

Name : Mobile Phone

Brand Name : Sony

Marketing Name : ST23i

Model No. : PM-0180-BV

Added Model(s) : N/A

FCC ID : PY7PM-0180

IC: 4170B-PM0180

Model Difference : N/A

Filing Type : Certification

### 1.3 Details of EUT

Data Cable (USB):	Model No.: EC450, Supplier: K-one, Part No.: 1242-6715	
Simple Hands-free (SHF):	Model No.: MH410C, Supplier: Foster Electric, Type No.: CCA-0004017	
Car Charger:	Model No.: AN400, Supplier: Salcomp Type No.: CCA-0003013	
Hardware Version:	A	
Software Version:	2.3.J.3.8_userdebug	
Power Supply:	3.7Vdc form Li-Ion battery or 5Vdc form adapter.	
	Battery:	1. Model No.: BA700, Supplier: LG Type No.: CBA-0002025 2. Model No.: BA700, Supplier: Samsung Type No.: CBA-0002026
	Adapter :	1. Model No.: EP800, Supplier: Salcomp Type No.: CAA-0002016-US, CAA-0002016-BV 2. Model No.: EP800, Supplier: EMERSON Type No.: CAA-0002022-US, CAA-0002022-BV

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### 1.4 EUT description

The equipment under test (EUT) is the GSM/GPRS 850,1900,FM, BT,WiFi and GPS. The test data contained in this report pertains only to the emissions due to digital circuitry of the EUT.

<b>ST23i</b>	<b>Operation :</b>		<b>Unintentional radiation mode</b>	
	<b>Config 1</b>		<b>Config 2</b>	<b>Config 3</b>
Applicable standard (FCC )	FCC 15B			
Accessories	UE + Battery +USB Cable + SHF	UE + Battery + AC Adaptor +USB Cable + SHF	UE + Battery + AC Adaptor +USB Cable + SHF	UE + Battery + AC Adaptor +USB Cable + SHF
Main Function	<b>Data link</b>	<b>Camera</b>	<b>FM Mode</b>	
Additional Function	Data link	FULL SYSTEM	FM Mode	
<b>Description</b>				
radiated emission	Data link	Recording&Play Recording&MP3	FM Mode (FM87.6 & FM98 & FM107.9 )	
conducted emission (DC Power)	N/A	N/A	N/A	
conducted emission (AC Power)	Data link	Recording&Play Recording&MP3	FM Mode (FM87.6 & FM98 & FM107.9 )	

### 1.5 Operation Procedure

1. Set down EUT with support units and turn on the power of all equipment.
2. Pre-test the EUT in all modes by each model, then figure the worst case out.
3. Tests under the normal operation due to unintentional radiation mode.

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### 1.6 Description of Support Units

PRODUCT	MANUFACTURER	MODEL NO.	SERIAL NO.
NOTEBOOK	IBM	L412	LR-ZYMYD
USB Mouse	HP	M-UAE96	390938-001
Printer	HP	DJ3820	CN34L181B1
Signal Generator	Levear	VP-8194D	N/A

### 1.7 Modification List

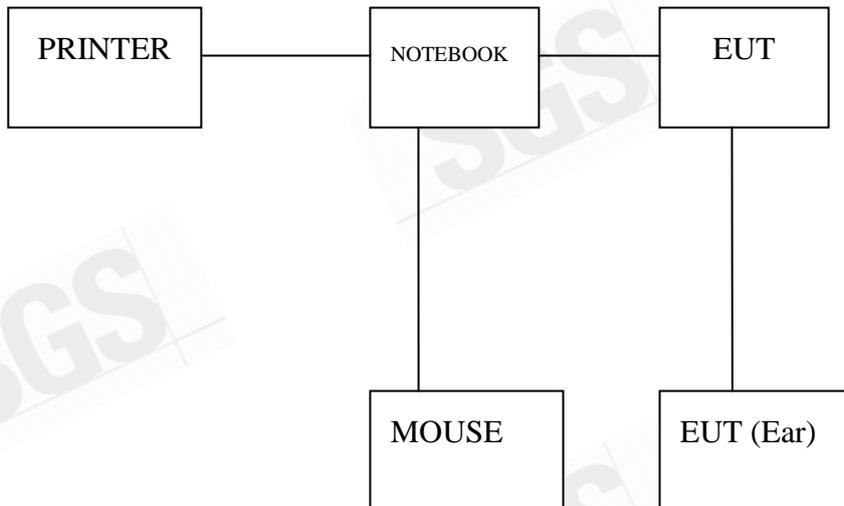
No modification by SGS Taiwan Electronics & Communication Laboratory.

### 1.8 Cable List

Cable Type	Length	Shield
Power cable	1.5m	Non-shielding

### 1.9 Test Set-Up Configuration

Config1

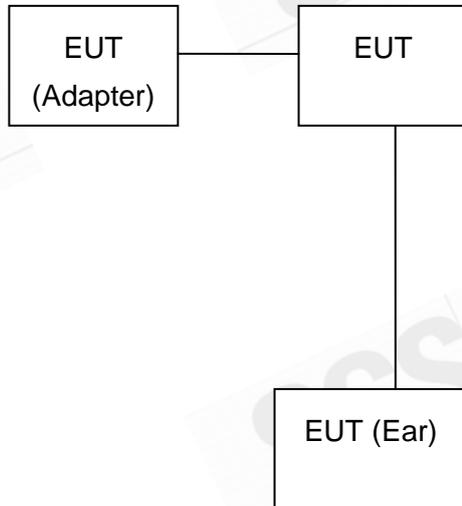


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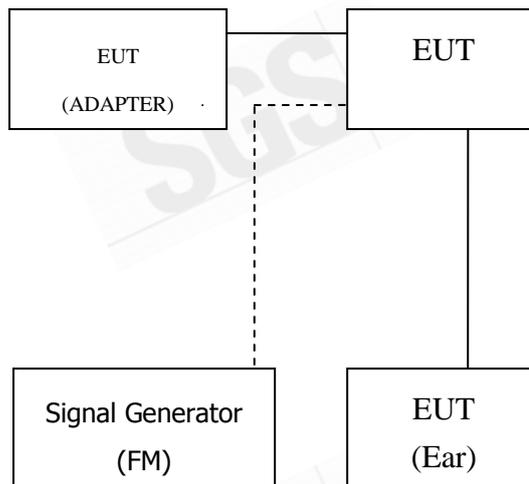
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Config2



Config3



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### 1.10 Measurement Procedure

Conducted Emission Testing was performed according ANSI C63.4:2003 in a shielded room with peripherals placed on a table, 0.8m high over a metal floor. It was located more than required distance away from the shielded room wall.

Radiated Emission Testing was performed according to ANSI C63.4:2003 at the 9\*6\*6 3m Semi-Anechoic chamber test site. The EUT was placed in a 0.8m high table along with the peripherals. The turn table was separated from the antenna distance 3meters. Cables were placed in a position to produce maximum emissions as determined by experimentation, and operation mode was selected for maximum. The frequencies and amplitudes of maximum emission were measured at varying azimuths, antenna heights and antenna polarities. Reported are maximized emission levels.

### 1.11 Standards Applicable for Testing

Table of tests to be carried out under FCC Part 15, Subpart B

Test Standards	Status
FCC Part 15, Subpart B	Applicable
Deviation from Standard	No Deviation

### 1.12 Summary of Results

Highest Emission					
Standard	Test Type	Result	Phase/Polar.	Frequency (MHz)	Margin(dB)
FCC Part 15 Subpart B Class B/CISPR 22 ICES-003(Feb. 2004)	Conducted Emission	PASS	Line	10.8376	-12.25(QP)
			Neutral	0.1969	-11.84(QP)
	Radiated Emission	PASS	Ver.	42.3100	-10.06(QP)

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## 2. Radio Disturbance

### 2.1 Test Results

	Results
Conducted Emission	Pass
Radiated Emission	Pass

### 2.2 Frequency Range

Conducted Emission : 150 kHz - 30 MHz

Radiated Emission : See below table

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 - 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

### 2.3 Limits Of Conducted And Radiated Emission

#### 2.3.1 Limit Of Conducted Emission Of FCC Part 15, Subpart B/CISPR 22

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi - peak	Average	Quasi - peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

Note : (1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

(3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected there to, shall not exceed the level of field strengths specified above.

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### 2.3.2 Limit Of Radiated Emissions Of FCC Part 15, Subpart B/CISPR 22

**FCC Limit:**

- Detector Function : Quasi – Peak

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 3m)
	dBuV/m	dBuV/m
30~88	39	40
88~216	43.5	43.5
216~960	46.44	46
Above 960	49.54	54

- Detector Function : Peak , Average

FREQUENCY (MHz)	Class A (dBuV) (at 3m)		Class B (dBuV) (at 3m)	
	Peak	Average	Peak	Average
Above 1000	79.3	59.3	73.9	53.9

**CISPR Limit:**

- Detector Function : Quasi – Peak

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 10m)
	dBuV/m	dBuV/m
30-230	40	30
230-1000	47	37

- Detector Function : Peak , Average – Class A

Frequency range GHz	Average Limit dB(μV/m)	Peak Limit dB(μV/m)
1 to 3	56	76
3 to 6	60	80

- Detector Function : Peak , Average – Class B

Frequency range GHz	Average Limit dB(μV/m)	Peak Limit dB(μV/m)
1 to 3	50	70
3 to 6	54	74

Note : The lower limit applies at the transition frequency.

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## 2.4. Test of Conducted Emission

### 2.4.1 Test Equipments

Description	Manufacturer	Model No.	Serial No.	Last Calibration Date	Next Calibration Date
EMI Test Receiver	ROHDE&SCHWARZ	ESCS 30	828985/004	Sep. 23, 2011	Sep. 22, 2012
Coaxial Cables	N/A	WK CE Cable	N/A	Jan. 04, 2012	Jan. 03, 2013
L.I.S.N	Rolf-Heine	NNB-2/16Z	99012	Mar. 23, 2012	Mar. 22, 2013
L.I.S.N	FCC	FCC-LISN-50/250-25-2-01	04034	Mar. 23, 2012	Mar. 22, 2013
Software	Farad	EZ-EMC-VER2A1.1(USB)	N/A	N/A	N/A

### 2.4.2 Test Site

SGS Taiwan LTD. Electronics & Communication Laboratory  
 No.134, Wu Kung Road. Wuku Industrial Zone, Taipei County 248, Taiwan (R.O.C.)

### 2.4.3 Operating Environment

Temperature : 26 degree C

Humidity : 60 %RH

Atmospheric Pressure : 996 mBar

### 2.4.4 Uncertainty of Conducted Emission

Expanded uncertainty (k=2) of Conducted Emission measurement is 0.98dB.

### 2.4.5 Measurement level and Factor calculate method

Factor = LISN insertion loss + Cable loss

Measurement Level = Reading Level + Factor

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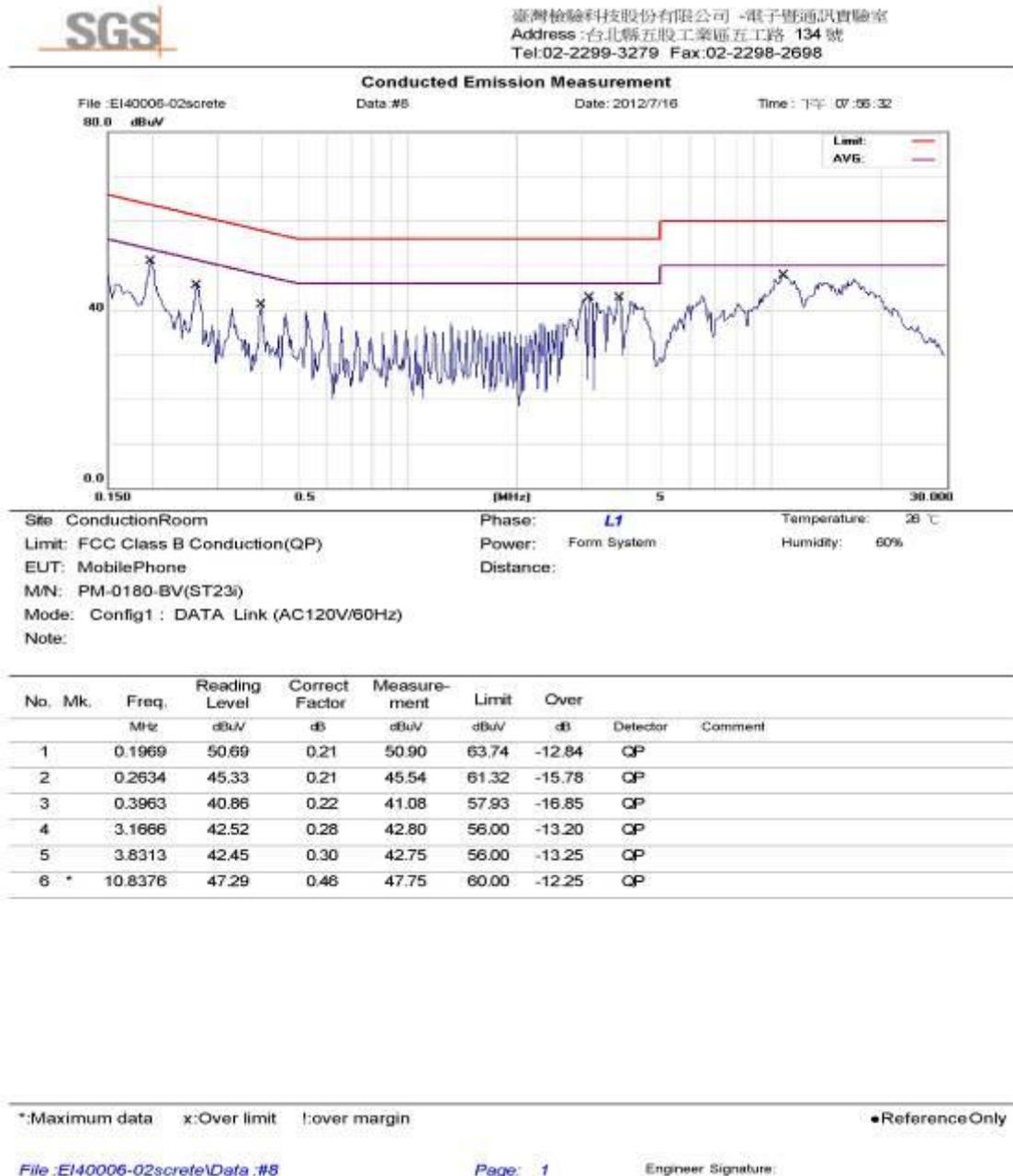
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## 2.4.6 Measurement Data

### Config 1:Data link

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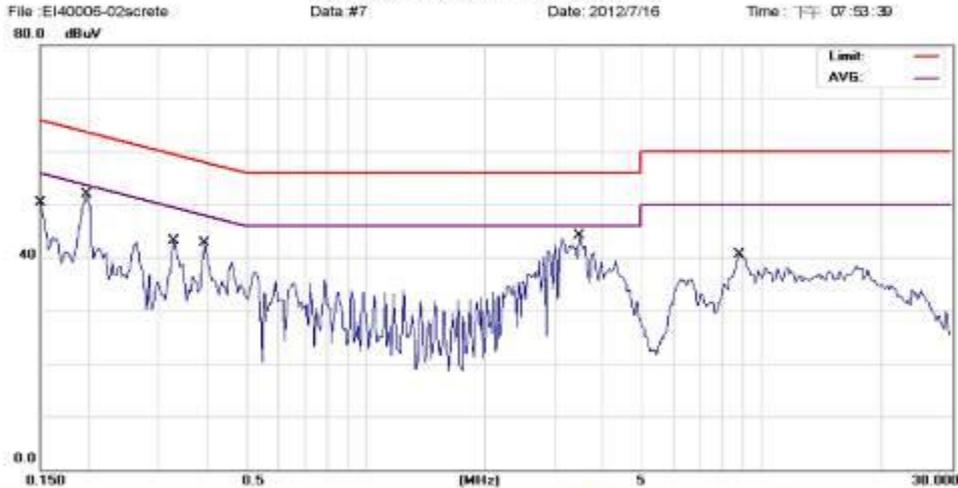
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Tel:02-2299-3279 Fax:02-2298-2698

### Conducted Emission Measurement



Site: ConductionRoom Phase: **N** Temperature: 25 °C  
Limit: FCC Class B Conduction(QP) Power: Form System Humidity: 60%  
EUT: MobilePhone Distance:  
MN: PM-0180-BV(ST23i)  
Mode: Config1 : DATA Link (AC120V/60Hz)  
Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	dBuV	dB	ment	dBuV	dB	Detector	Comment
1		0.1500	50.01	0.34	50.35	66.00	-15.65	QP	
2	*	0.1969	51.59	0.31	51.90	63.74	-11.84	QP	
3		0.3268	42.73	0.32	43.05	59.53	-16.48	QP	
4		0.3924	42.33	0.34	42.67	58.01	-15.34	QP	
5		3.4677	43.79	0.34	44.13	56.00	-11.87	QP	
6		8.7771	39.98	0.44	40.42	60.00	-19.58	QP	

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

●Reference Only

File: EI40006-02screte\Data :#7

Page: 1

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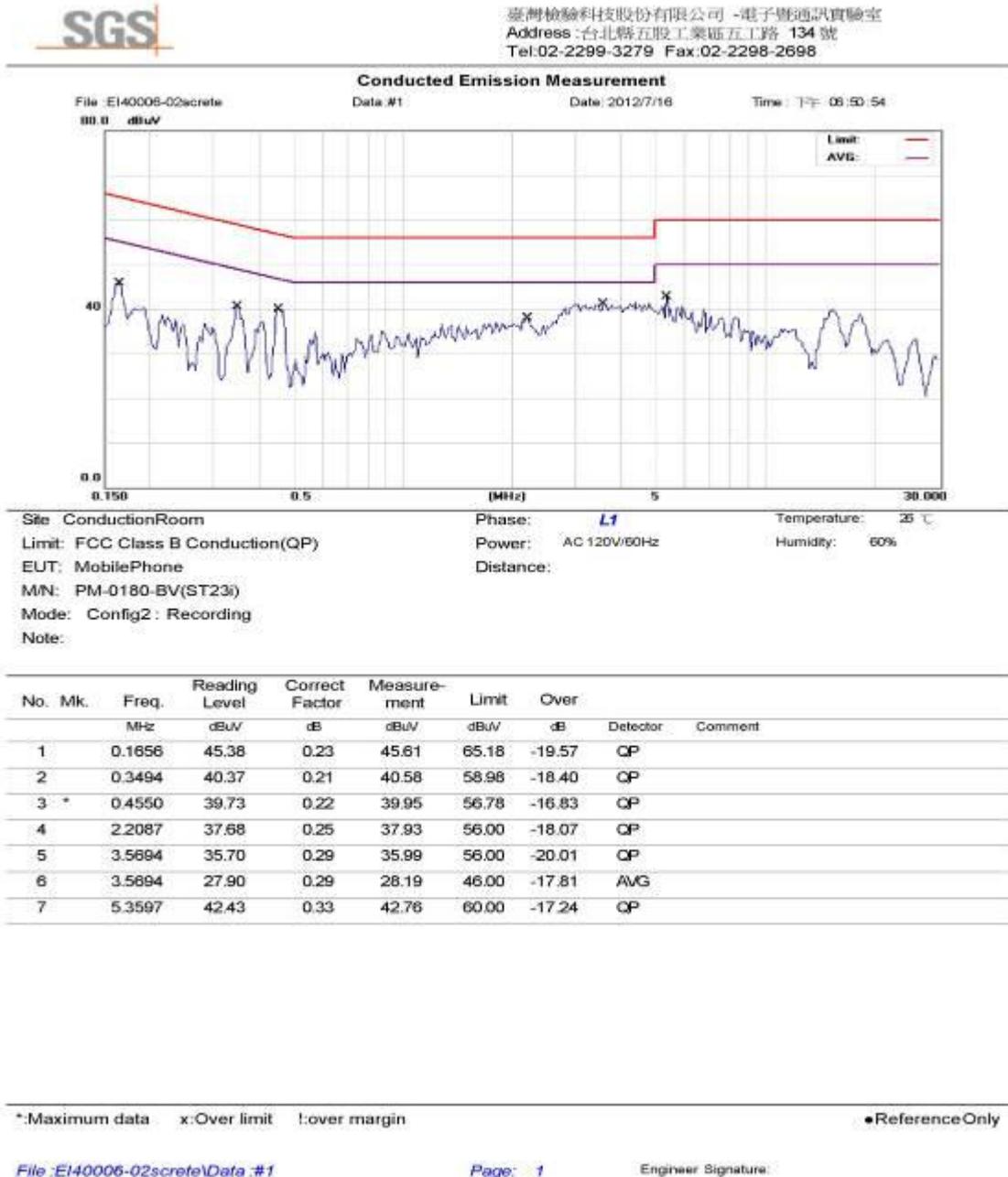
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## Config 2: Recording

Main:Salcomp

L



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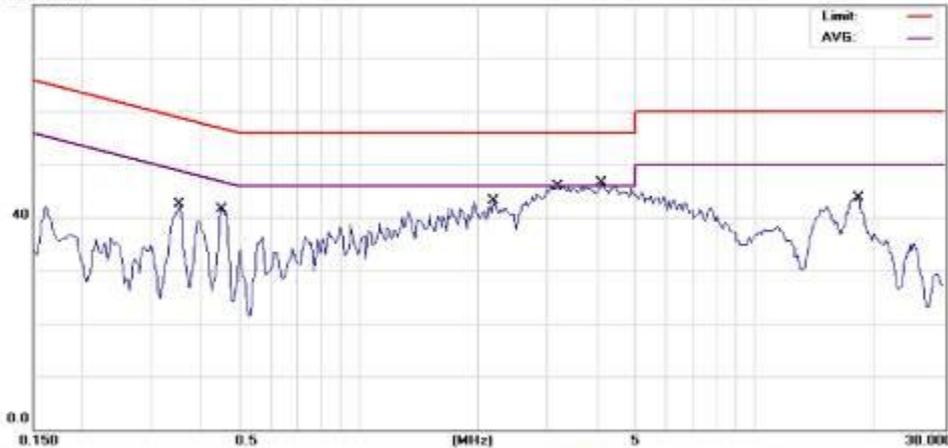
### Conducted Emission Measurement

File :EI40005-02screte  
 80.0 dBuV

Data #2

Date: 2012/7/16

Time: 下午 05:55:45



Site: ConductionRoom Phase: **N** Temperature: 25 °C  
 Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 60%  
 EUT: MobilePhone Distance:  
 MN: PM-0180-BV(ST23i)  
 Mode: Config2: Recording  
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.3533	42.12	0.34	42.46	58.88	-16.42	QP	
2		0.4511	40.00	0.34	40.34	56.85	-16.51	QP	
3		0.4511	31.90	0.34	32.24	46.85	-14.61	AVG	
4		2.1969	37.30	0.33	37.63	56.00	-18.37	QP	
5		2.1969	27.90	0.33	28.23	46.00	-17.77	AVG	
6		3.1979	40.10	0.34	40.44	56.00	-15.56	QP	
7	*	3.1979	31.90	0.34	32.24	46.00	-13.76	AVG	
8		4.1324	39.40	0.35	39.75	56.00	-16.25	QP	
9		4.1324	31.50	0.35	31.85	46.00	-14.15	AVG	
10		18.3878	42.94	0.72	43.66	60.00	-16.34	QP	

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

File :EI40005-02screte\Data :#2

Page: 1

Engineer Signature:

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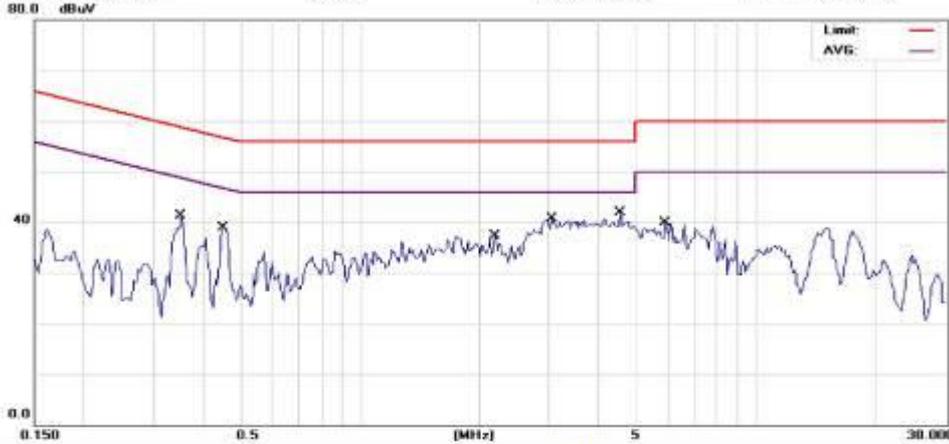
## Config 2: Play Recording

Main:Salcomp

L

### Conducted Emission Measurement

File :EI40006-02screte Data :#4 Date: 2012/7/16 Time : 下午 07:19:05



Site: ConductionRoom Phase: **L1** Temperature: 25 °C  
 Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 60%  
 EUT: MobilePhone Distance:  
 MN: PM-0180-BV(ST23)  
 Mode: Config2: Play Recording  
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1	*	0.3533	41.06	0.22	41.28	58.88	-17.60	QP	
2		0.4511	38.74	0.22	38.96	56.85	-17.89	QP	
3		2.1969	37.07	0.25	37.32	56.00	-18.68	QP	
4		3.0415	34.80	0.28	35.08	56.00	-20.92	QP	
5		3.0415	26.70	0.28	26.98	46.00	-19.02	AVG	
6		4.5351	34.80	0.32	35.12	56.00	-20.88	QP	
7		4.5351	27.30	0.32	27.62	46.00	-18.38	AVG	
8		5.8837	39.47	0.34	39.81	60.00	-20.19	QP	

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

File :EI40006-02screte\Data :#4

Page : 1

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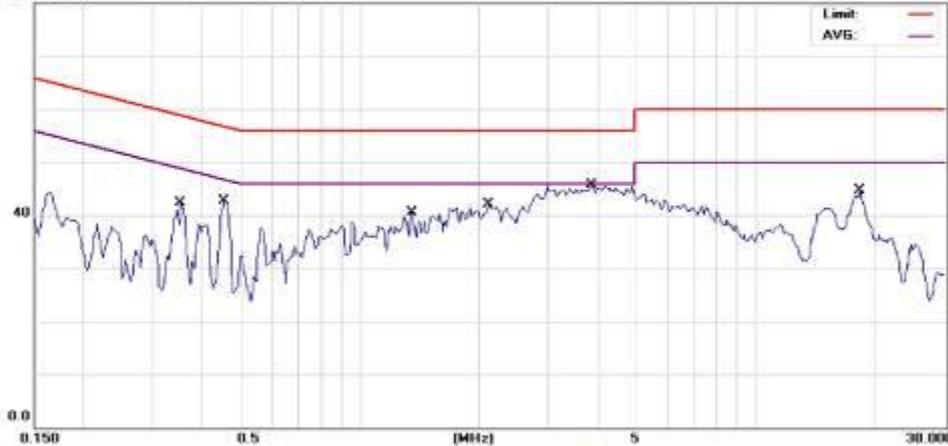
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### Conducted Emission Measurement

File :E140005-02screte Data :#3 Date:2012/7/16 Time : 下午 07:12:40



Site: ConductionRoom Phase: **N** Temperature: 25 °C  
Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 60%  
EUT: MobilePhone Distance:  
MN: PM-0180-BV(ST23i)  
Mode: Config2 : Play Recording  
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.3533	41.90	0.34	42.24	58.88	-16.64	QP	
2		0.4550	38.10	0.34	38.44	56.78	-18.34	QP	
3		0.4550	31.00	0.34	31.34	46.78	-15.44	AVG	
4		1.3524	37.00	0.31	37.31	56.00	-18.69	QP	
5		1.3524	25.40	0.31	25.71	46.00	-20.29	AVG	
6		2.1187	35.40	0.33	35.73	56.00	-20.27	QP	
7		2.1187	25.40	0.33	25.73	46.00	-20.27	AVG	
8		3.8509	39.40	0.35	39.75	56.00	-16.25	QP	
9	*	3.8509	31.40	0.35	31.75	46.00	-14.25	AVG	
10		18.3917	36.50	0.72	37.22	60.00	-22.78	QP	
11		18.3917	27.70	0.72	28.42	50.00	-21.58	AVG	

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

File :E140005-02screte\Data :#3

Page: 1

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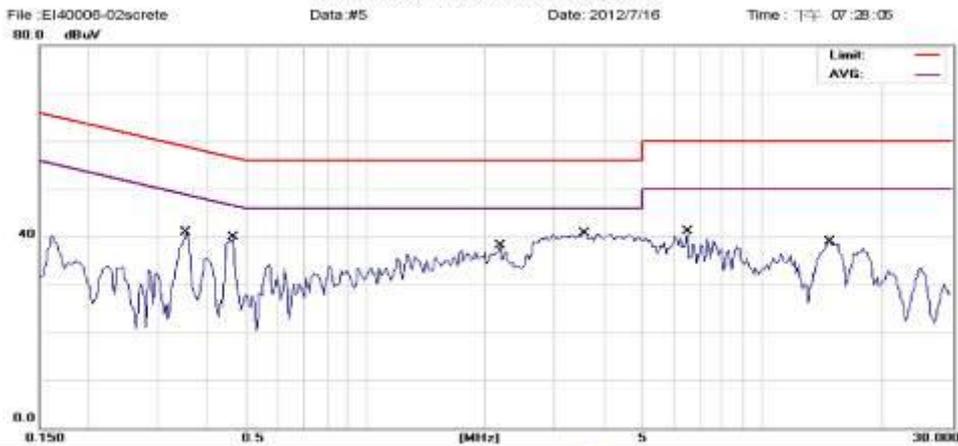
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Config 2: MP3  
Main:Salcomp  
L



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### Conducted Emission Measurement



Site: ConductionRoom Phase: **L1** Temperature: 28 °C  
 Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 60%  
 EUT: MobilePhone Distance:  
 MN: PM-0180-BV(ST23i)  
 Mode: Config2 : MP3  
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.3533	40.78	0.22	41.00	58.88	-17.88	QP	
2	*	0.4628	39.68	0.22	39.90	56.64	-16.74	QP	
3		2.1969	37.78	0.25	38.03	56.00	-17.97	QP	
4		3.5654	35.60	0.29	35.89	56.00	-20.11	QP	
5		3.5654	27.60	0.29	27.89	46.00	-18.11	AVG	
6		6.4975	40.75	0.36	41.12	60.00	-18.88	QP	
7		14.8688	38.36	0.63	38.99	60.00	-21.01	QP	

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

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File :EI40006-02screte\Data :#5

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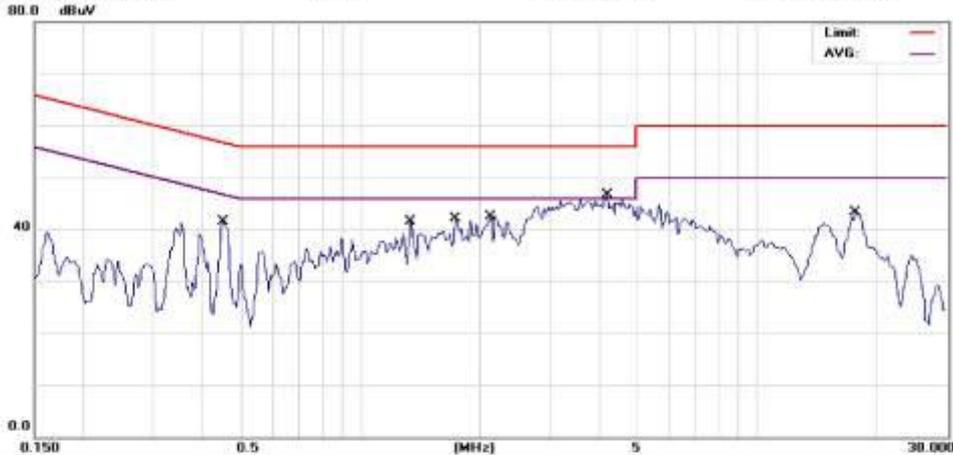
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### Conducted Emission Measurement

File: EI40006-02scrate Data: #6 Date: 2012/7/16 Time: 17:07:31.14



Site: ConductionRoom Phase: N Temperature: 25 °C  
Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 60%  
EUT: MobilePhone Distance:  
MN: PM-0180-BV(ST23i)  
Mode: Config2: MP3  
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.4511	39.50	0.34	39.84	56.85	-17.01	QP	
2		0.4511	31.40	0.34	31.74	46.85	-15.11	AVG	
3		1.3446	37.70	0.31	38.01	56.00	-17.99	QP	
4		1.3446	25.60	0.31	25.91	46.00	-20.09	AVG	
5		1.7395	37.70	0.33	38.03	56.00	-17.97	QP	
6		1.7395	28.00	0.33	28.33	46.00	-17.67	AVG	
7		2.1422	36.90	0.33	37.23	56.00	-18.77	QP	
8		2.1422	27.70	0.33	28.03	46.00	-17.97	AVG	
9		4.2028	39.50	0.35	39.85	56.00	-16.15	QP	
10	*	4.2028	31.50	0.35	31.85	46.00	-14.15	AVG	
11		17.8404	42.65	0.69	43.34	60.00	-16.66	QP	

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

File: EI40006-02scrate>Data: #6

Page: 1

Engineer Signature:

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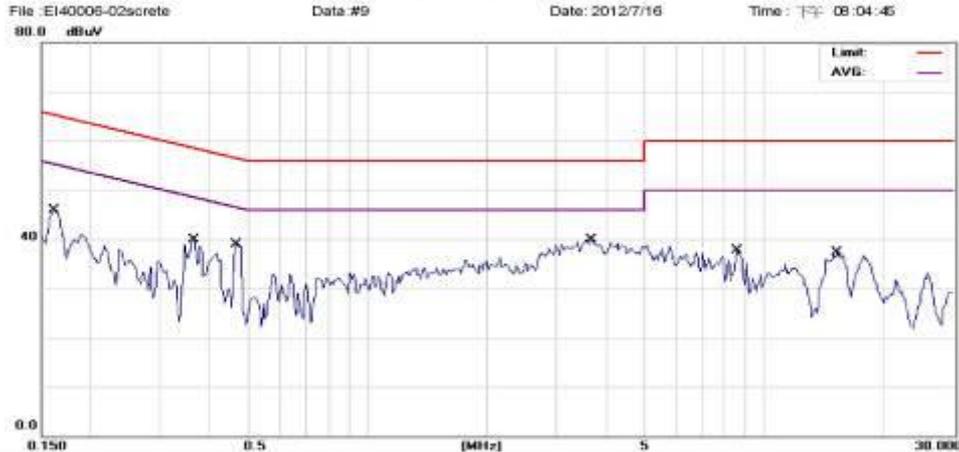
Config 3 : FM 87.6

L



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Conducted Emission Measurement



File :EI40006-02scrate Data :#9 Date: 2012/7/16 Time : 下午 08:04:45

Site :ConductionRoom Phase: **L1** Temperature: 25 °C  
Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 60%  
EUT: MobilePhone Distance:  
MN: PM-0180-BV(ST23i)  
Mode: Config3 : FM87.6  
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1617	45.70	0.23	45.93	65.38	-19.45	QP	
2		0.3850	39.77	0.22	39.99	58.61	-18.62	QP	
3		0.4667	38.77	0.22	38.99	56.57	-17.58	QP	
4	*	3.6671	39.68	0.30	39.98	56.00	-16.02	QP	
5		8.5816	37.24	0.40	37.64	60.00	-22.36	QP	
6		15.3459	36.65	0.66	37.31	60.00	-22.69	QP	

\*:Maximum data x:Over limit !:over margin ●ReferenceOnly

File :EI40006-02scrate\Data :#9

Page: 1

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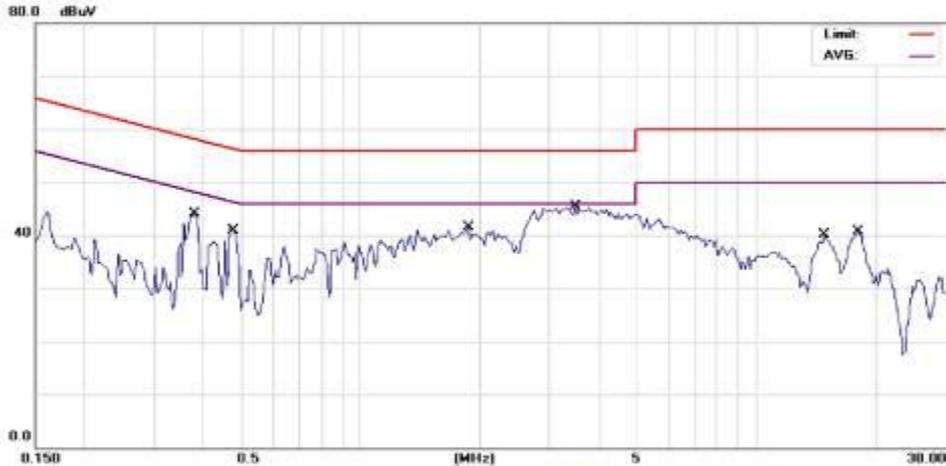
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Address : 台北縣五股工業區五工路 134 號  
Tel:02-2299-3279 Fax:02-2298-2698

### Conducted Emission Measurement

File : EI40006-02scrate Data #10 Date : 2012/7/16 Time : 下午 03:07:42



Site: ConductionRoom Phase: N Temperature: 25 °C  
Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 60%  
EUT: MobilePhone Distance:  
MN: PM-0180-BV(ST23i)  
Mode: Config3 : FM87.6  
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.3807	42.00	0.34	42.34	58.26	-15.92	QP	
2		0.3807	34.10	0.34	34.44	48.26	-13.82	AVG	
3		0.4831	39.10	0.34	39.44	56.29	-16.85	QP	
4		0.4831	29.60	0.34	29.94	46.29	-16.35	AVG	
5		1.8724	36.60	0.33	36.93	56.00	-19.07	QP	
6		1.8724	26.50	0.33	26.83	46.00	-19.17	AVG	
7		3.5029	40.20	0.35	40.55	56.00	-15.45	QP	
8	*	3.5029	32.70	0.35	33.05	46.00	-12.95	AVG	
9		14.8806	39.44	0.60	40.04	60.00	-19.96	QP	
10		18.0985	40.10	0.70	40.80	60.00	-19.20	QP	

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

●Reference Only

File : EI40006-02scrate>Data :#10

Page : 1

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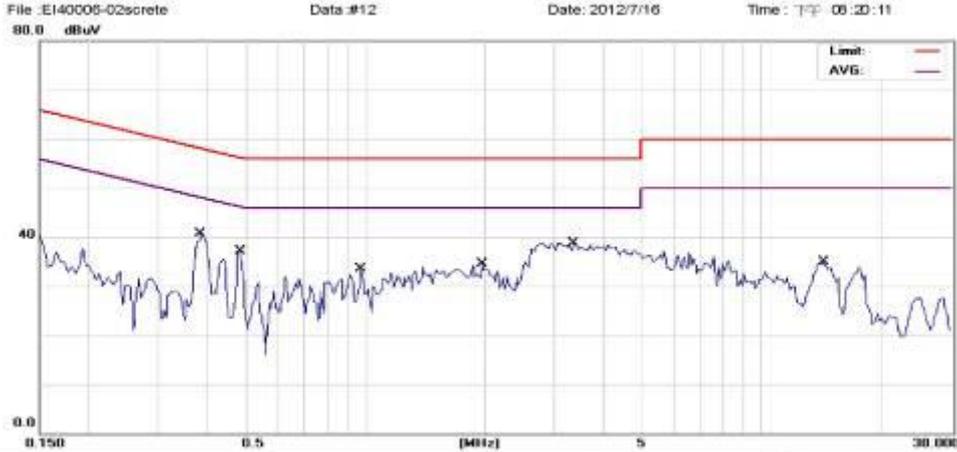
Config 3 : FM 98

L



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Tel:02-2299-3279 Fax:02-2298-2698

Conducted Emission Measurement



File :E140006-02scrate Data :#12 Date : 2012/7/16 Time : 下午 08:20:11  
80.0 dBuV

Site: ConductionRoom Phase: **L1** Temperature: 25 °C  
Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 60%  
EUT: MobilePhone Distance:  
MN: PM-0180-BV(ST23i)  
Mode: Config3 : FM98.0  
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.3846	40.57	0.22	40.79	58.18	-17.39	QP	
2		0.4824	36.80	0.22	37.02	56.30	-19.28	QP	
3		0.9731	33.36	0.22	33.58	56.00	-22.42	QP	
4		1.9780	34.28	0.25	34.53	56.00	-21.47	QP	
5	*	3.3621	38.46	0.28	38.74	56.00	-17.26	QP	
6		14.4192	34.21	0.62	34.83	60.00	-25.17	QP	

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

●Reference Only

File :E140006-02scrate\Data :#12

Page : 1

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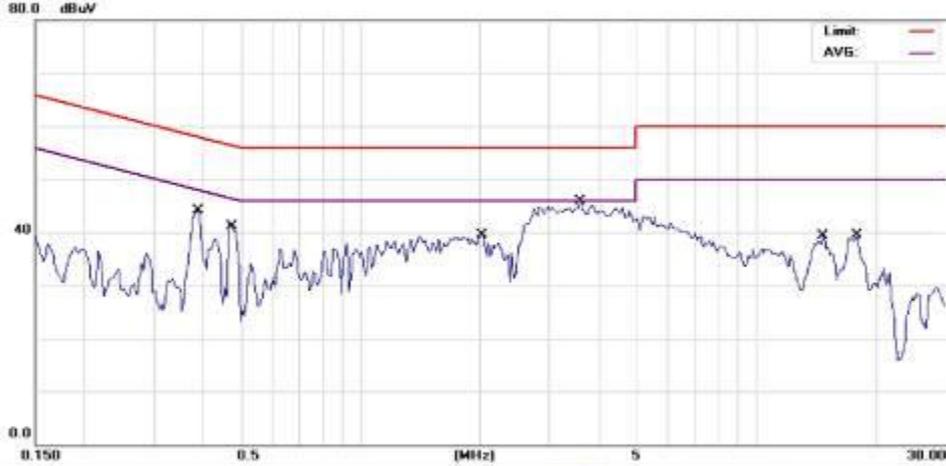
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### Conducted Emission Measurement

File : EI40006-02scrate Data #11 Date : 2012/7/16 Time : 下午 08:13:47



Site: ConductionRoom Phase: **N** Temperature: 25 °C  
 Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 60%  
 EUT: MobilePhone Distance:  
 MN: PM-0180-BV(ST23i)  
 Mode: Config3 : FM98.0  
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.3885	42.10	0.34	42.44	58.10	-15.66	QP	
2	*	0.3885	34.80	0.34	35.14	48.10	-12.96	AVG	
3		0.4804	38.60	0.34	38.94	56.33	-17.39	QP	
4		0.4804	31.00	0.34	31.34	46.33	-14.99	AVG	
5		2.0327	39.26	0.33	39.59	56.00	-16.41	QP	
6		3.5928	40.20	0.35	40.55	56.00	-15.45	QP	
7		3.5928	32.50	0.35	32.85	46.00	-13.15	AVG	
8		14.7750	38.73	0.60	39.33	60.00	-20.67	QP	
9		18.0047	38.74	0.70	39.44	60.00	-20.56	QP	

\*:Maximum data x:Over limit !:over margin ●ReferenceOnly

File : EI40006-02scrate>Data :#11

Page : 1

Engineer Signature:

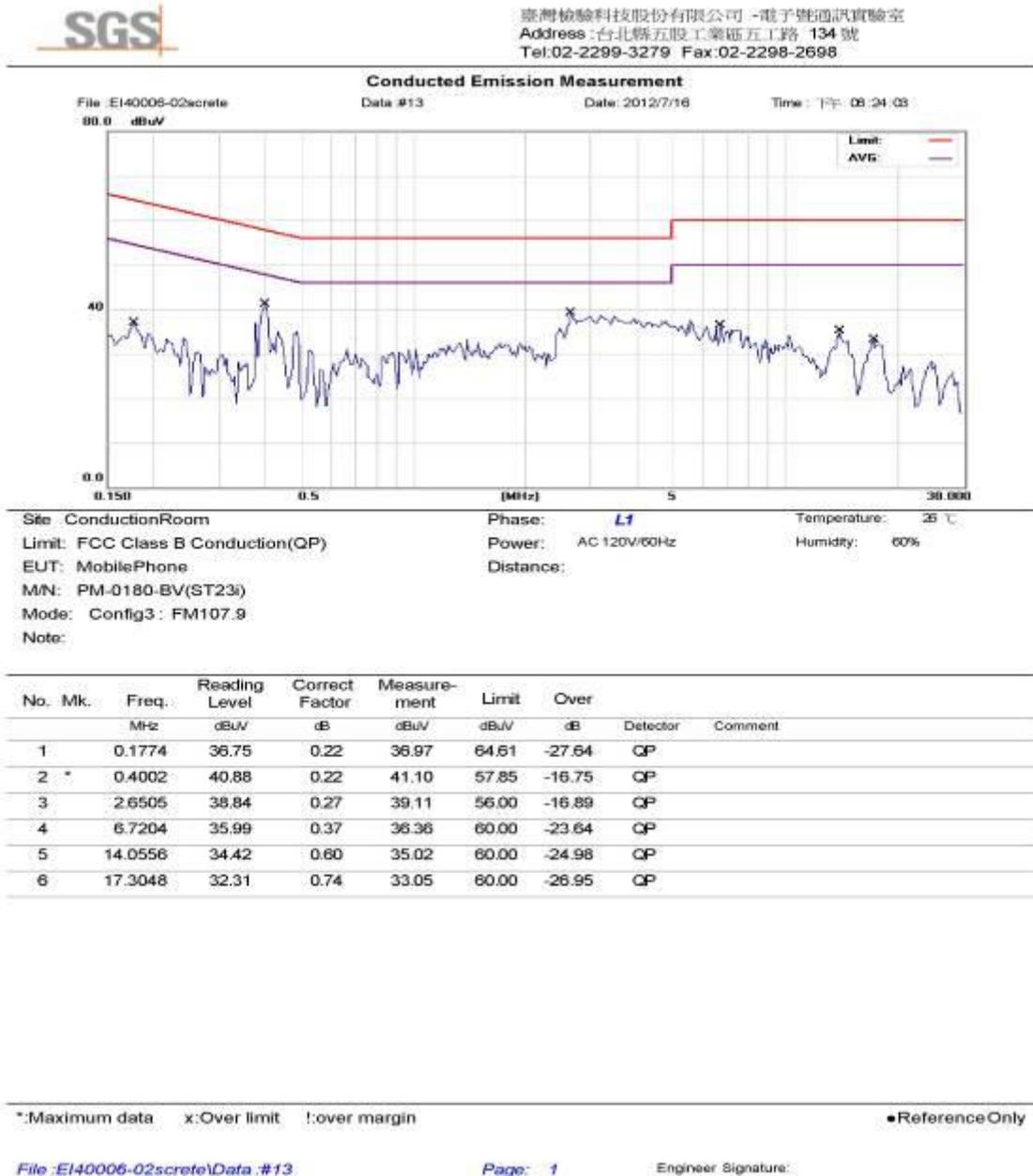
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Config 3 : FM 107.9

L



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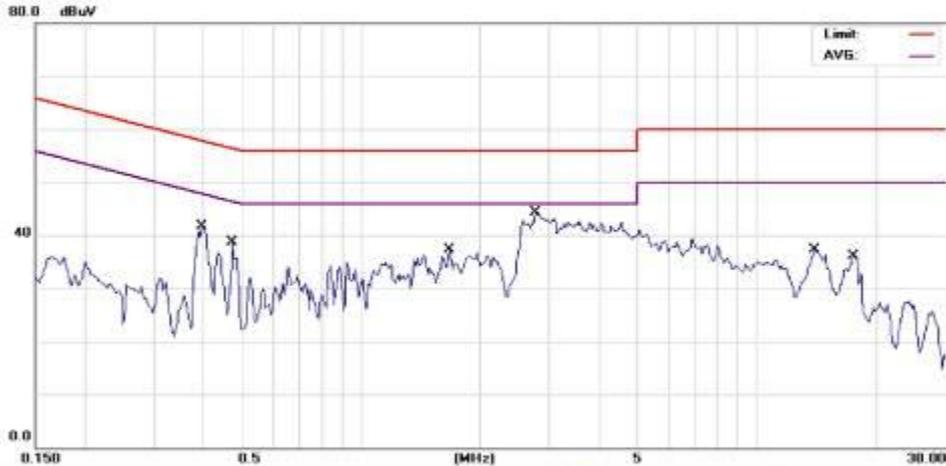
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### Conducted Emission Measurement

File : EI40006-02scrate Data #14 Date : 2012/7/16 Time : 下午 03:26:55



Site: ConductionRoom Phase: **N** Temperature: 25 °C  
Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 60%  
EUT: MobilePhone Distance:  
MN: PM-0180-BV(ST23i)  
Mode: Config3 : FM107.9  
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.3963	41.38	0.34	41.72	57.93	-16.21	QP	
2		0.4745	38.32	0.34	38.66	56.43	-17.77	QP	
3		1.6769	37.06	0.33	37.39	56.00	-18.61	QP	
4		2.7717	39.00	0.34	39.34	56.00	-16.66	QP	
5	*	2.7717	30.00	0.34	30.34	46.00	-15.66	AVG	
6		14.0438	36.82	0.58	37.40	60.00	-22.60	QP	
7		17.6293	35.47	0.69	36.16	60.00	-23.84	QP	

\*:Maximum data x:Over limit !:over margin ●ReferenceOnly

File : EI40006-02scrateData :#14

Page : 1

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## 2.5 Test of Radiated Emission

### 2.5.1 Test Instruments

#### Below 1G & Above 1G

Description	Manufacturer	Model No.	Serial No.	Last Calibration Date	Next Calibration Date
Site NSA	Chamost	966II Chamber	N/A	Dec. 30, 2011	Dec. 29, 2012
Site VSWR	Chamost	966II Chamber	N/A	Dec. 30, 2011	Dec. 29, 2012
EMI Test Receiver	ROHDE&SCHWARZ	ESCI 7	1166.5950K07 -10760-GK	Feb. 01, 2012	Jan. 31, 2013
Spectrum Analyzer	Agilent	E4440A	MY45304525	Mar. 17, 2012	Mar. 16, 2014
RF-Amplifier (0.1-1300MHz)	HP	8447D	1937A02774	Nov. 26, 2011	Nov. 25, 2012
RF-Amplifier (1-26.5GHz)	HP	8449B	3008A00578	Dec. 27, 2011	Dec. 26, 2012
RF-Amplifier (26-40GHz)	EM Electronics Corp.	EM26400	N/A	Dec. 28, 2011	Dec. 27, 2012
Coaxial Cables (For 9kHz~26.5GHz)	SUCOFLEX	104PEA	N/A	Dec. 28, 2011	Dec. 27, 2012
Re Cables (966II) (For 1~40GHz)	HUBER SUHNER	SUCCOFLEX 102	22962/2	Dec. 28, 2011	Dec. 27, 2012
Re Cables (966II) (For 1~40GHz)	HUBER SUHNER	SUCCOFLEX 102	23051/2	Dec. 28, 2011	Dec. 27, 2012
Antenna Master	MF.	N/A	N/A	N/A	N/A
Turn Table	MF.	N/A	N/A	N/A	N/A
Controller	MF.	3000	MF780208153	N/A	N/A
Antenna	SCHWAZBECK	VULB9160	3068	Nov. 01, 2011	Oct. 31, 2012
Horn Antenna (For 1~18G )	ETS-Lindgren	3117	00135200	Oct. 06, 2011	Oct. 05, 2012
Horn Antenna (For 18~40G )	SCHWAZBECK	BBHA 9170	BBHA9170185	Jul. 11, 2011	Jul. 10, 2013
Software	Farad	EZ-EMC-VER2A1.1(USB)	N/A	N/A	N/A

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## 2.5.2 Test Site

SGS Taiwan LTD. Electronics & Communication Laboratory  
No.134, Wu Kung Road. Wuku Industrial Zone, Taipei County 248, Taiwan (R.O.C.)

## 2.5.3 Operating Environment

Temperature : 25 degree C                      Humidity : 60 %RH  
Atmospheric Pressure : 996 mBar

## 2.5.4 Uncertainty of Radiated Emission

Expanded uncertainty (k=2) of radiated emission measurement is 3.70dB.(30-1000MHz)  
Expanded uncertainty (k=2) of radiated emission measurement is 5.63dB.(1-40GHz)

## 2.5.5 Measurement level and Factor calculate method

Factor = Antenna loss + Cable loss + Amplifier Compensate  
Measurement Level = Reading Level + Factor

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## 2.5.6 Measurement Data

Below 1G

Config 1:Data Link

H



No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		73.2600	36.86	-18.78	18.08	40.00	-21.92	OP	
2	*	120.4200	48.51	-16.35	32.16	43.50	-11.34	OP	
3		147.8400	36.26	-14.34	21.92	43.50	-21.58	OP	
4		224.6300	37.38	-15.08	22.30	46.00	-23.70	OP	
5		240.0600	47.98	-14.41	33.57	46.00	-12.43	OP	
6		292.3400	40.15	-12.44	27.71	46.00	-18.29	OP	

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

File :EI40006-02iscrete\Data :#4

Page: 1

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V

### Radiated Emission Measurement



Site : 9'6" Chamber Polarization: **Vertical** Temperature: 25 °C  
Limit: FCC Class B 3M Radiation Power: Fromsystem Humidity: 60%  
EUT: MobilePhone Distance: 3m Air Pressure: 1002hpa  
MN: PM-0180-BV  
Note: Config1:DataLink

No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		32.6100	40.10	-17.13	22.97	40.00	-17.03	QP	
2		63.5600	38.40	-16.97	21.43	40.00	-18.57	QP	
3	*	120.3200	43.26	-16.36	26.90	43.50	-16.60	QP	
4		198.4500	40.32	-16.31	24.01	43.50	-19.49	QP	
5		240.1800	43.17	-14.41	28.76	46.00	-17.24	QP	
6		473.9400	30.64	-8.80	21.84	46.00	-24.16	QP	

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

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File :E140006-02iscrete\Data :#3

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**Config 2:Recording**  
**Main:Salcomp**  
**H**



No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	52.3600	35.41	-15.80	19.61	40.00	-20.39	QP	
2		135.8000	33.95	-15.11	18.84	43.50	-24.66	QP	
3		267.1400	29.67	-13.27	16.40	46.00	-29.60	QP	
4		283.6100	30.16	-12.64	17.52	46.00	-28.48	QP	
5		323.5800	31.28	-11.97	19.31	46.00	-26.69	QP	
6		402.1200	31.64	-10.09	21.55	46.00	-24.45	QP	

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

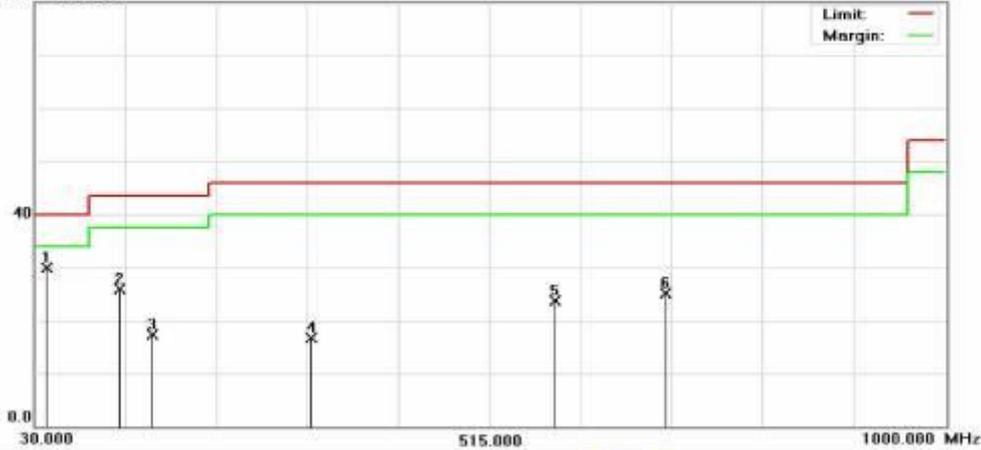
File: EI40006-02iscrete\Data: #10 Page: 1 Engineer Signature:

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### Radiated Emission Measurement

File :E140006-02iscrete Data :#9 Date:2012/7/15 Time : 下午 03:14:50  
80.0 dBuV/m



Site : 9'6"×6 Chamber Polarization: **Vertical** Temperature: 25 °C  
Limit: FCC Class B 3M Radiation Power: AC 120V/60Hz Humidity: 60%  
EUT: MobilePhone Distance: 3m Air Pressure: 1002hpa  
MN: PM-0180-BV  
Note: Config2:Recording

No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	42.3100	46.10	-16.16	29.94	40.00	-10.06	QP	
2		120.3400	42.25	-16.36	25.89	43.50	-17.61	QP	
3		154.3600	31.47	-14.22	17.25	43.50	-26.25	QP	
4		323.0400	28.76	-11.99	16.77	46.00	-29.23	QP	
5		583.7400	29.96	-6.28	23.68	46.00	-22.32	QP	
6		702.4800	29.15	-4.07	25.08	46.00	-20.92	QP	

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

File :E140006-02iscrete\Data :#9

Page: 1

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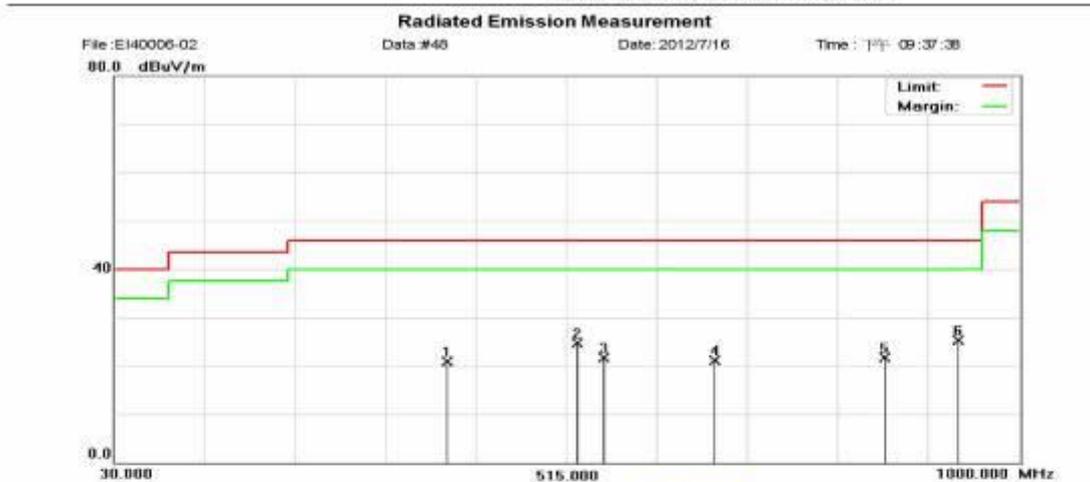
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Config 3 : FM 87.6

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Site : 966-2 Chamber      Polarization: **Horizontal**      Temperature: 25 °C  
 Limit: FCC Class B 3M Radiation      Power: AC 120V/60Hz      Humidity: 60%  
 EUT: MobilePhone      Distance:  
 MN: PM-0180-BV  
 Mode: Config3:87.6MHz  
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		386.2400	31.20	-10.23	20.97	46.00	-25.03	QP	
2		525.4100	31.51	-6.81	24.70	46.00	-21.30	QP	
3		554.9600	28.63	-6.95	21.68	46.00	-24.32	QP	
4		673.2500	25.55	-4.50	21.05	46.00	-24.95	QP	
5		856.1100	23.41	-1.64	21.77	46.00	-24.23	QP	
6	*	935.8500	25.75	-0.53	25.22	46.00	-20.78	QP	

\*:Maximum data    x:Over limit    !:over margin      ●:ReferenceOnly

File :EI40006-02\Data :#48

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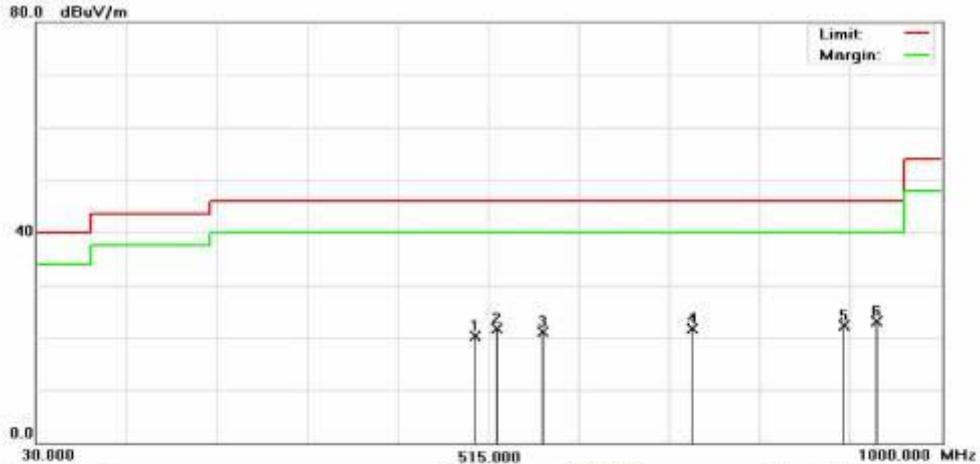
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### Radiated Emission Measurement

File:EI40006-02 Data:#47 Date:2012/7/16 Time:下午 09:24:36



Site :966-2 Chamber Polarization: **Vertical** Temperature: 25 °C  
Limit: FCC Class B 3M Radiation Power: AC120V/60Hz Humidity: 80%  
EUT: MobilePhone Distance:  
M/N: PM-0180-BV  
Mode: Config3:87.6MHz  
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		501.2000	28.51	-8.29	20.22	46.00	-25.78	QP	
2		523.1400	28.50	-6.79	21.71	46.00	-24.29	QP	
3		572.5100	27.51	-6.35	21.16	46.00	-24.84	QP	
4		733.6200	25.33	-3.63	21.70	46.00	-24.30	QP	
5		895.4700	23.74	-1.36	22.38	46.00	-23.62	QP	
6	*	931.5100	23.51	-0.45	23.06	46.00	-22.94	QP	

\*:Maximum data x:Over limit l:over margin

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File:EI40006-02\Data:#47

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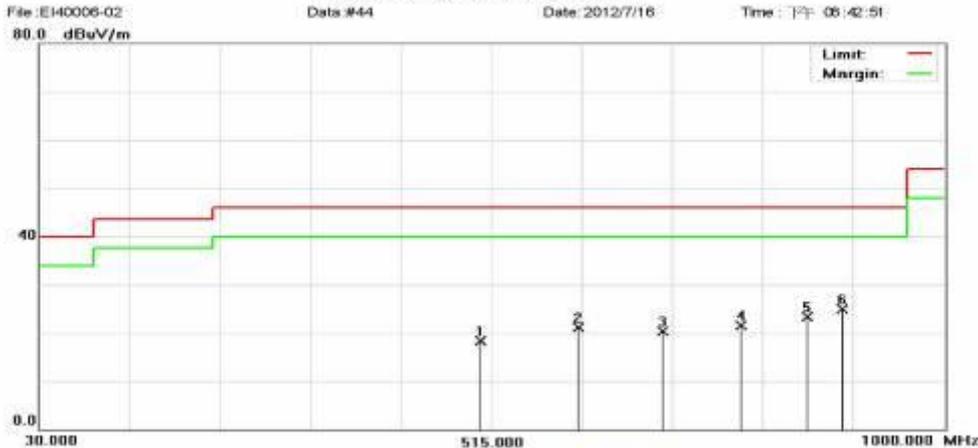
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Config 3 : FM 98

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Radiated Emission Measurement



File :EI40006-02 Data :#44 Date :2012/7/16 Time :下午 05:42:51  
 Site :966-2 Chamber Polarization: **Horizontal** Temperature: 25 °C  
 Limit: FCC Class B 3M Radiation Power: AC 120V/60Hz Humidity: 60%  
 EUT: MobilePhone Distance:  
 M/N: PM-0180-BV  
 Mode: Config3:98MHz  
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		502.3600	26.41	-8.20	18.21	46.00	-27.79	QP	
2		606.2100	26.11	-4.92	21.19	46.00	-24.81	QP	
3		698.2500	24.32	-3.94	20.38	46.00	-25.62	QP	
4		781.1800	23.95	-2.36	21.59	46.00	-24.41	QP	
5		853.4400	24.66	-1.44	23.22	46.00	-22.78	QP	
6	*	890.5500	26.42	-1.47	24.95	46.00	-21.05	QP	

\*Maximum data x:Over limit l:over margin ●ReferenceOnly

File :EI40006-02\Data :#44

Page: 1

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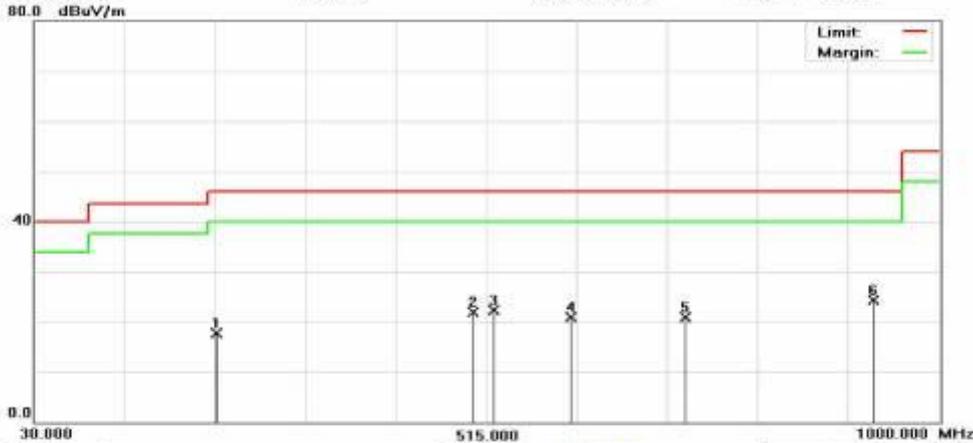
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**Radiated Emission Measurement**

File :EI40006-02 Data :#43 Date :2012/7/16 Time : 下午 08:20:14



Site :966-2 Chamber Polarization: **Vertical** Temperature: 25 °C  
 Limit: FCC Class B 3M Radiation Power: AC120V/60Hz Humidity: 60%  
 EUT: MobilePhone Distance:  
 M/N: PM-0180-BV  
 Mode: Config3:98MHz  
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		225.6300	32.21	-14.50	17.71	46.00	-28.29	QP	
2		501.3600	30.14	-8.28	21.86	46.00	-24.14	QP	
3		521.9600	29.11	-6.79	22.32	46.00	-23.68	QP	
4		605.4200	25.74	-4.92	20.82	46.00	-25.18	QP	
5		726.8500	24.36	-3.46	20.90	46.00	-25.10	QP	
6	*	928.3600	24.84	-0.54	24.30	46.00	-21.70	QP	

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

File :EI40006-02\Data :#43

Page: 1

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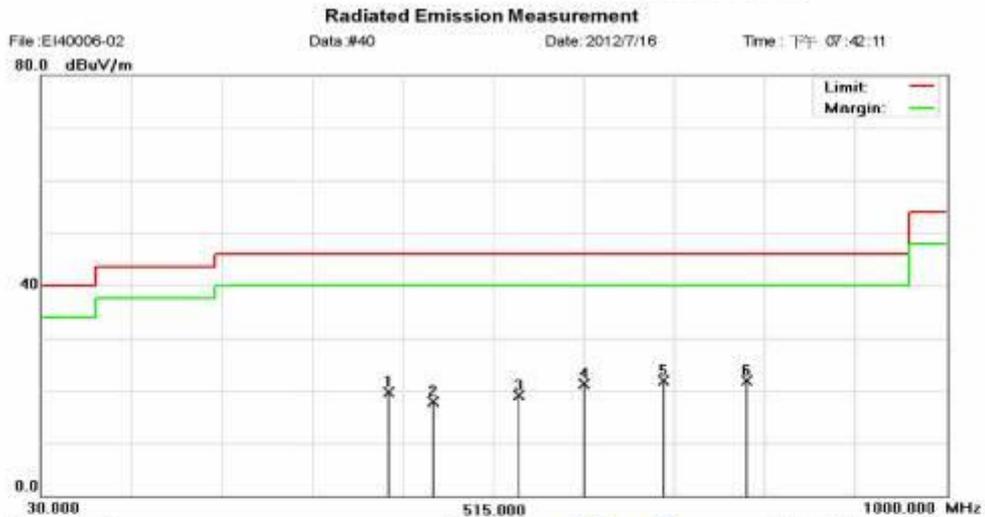
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Config 3 : FM 107.9

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File : EI40006-02 Data : #40 Date : 2012/7/16 Time : 下午 07:42:11  
 Site : 966-2 Chamber Polarization: **Horizontal** Temperature: 25 °C  
 Limit: FCC Class B 3M Radiation Power: AC 120V/60Hz Humidity: 80%  
 EUT: MobilePhone Distance:  
 M/N: PM-0180-BV  
 Mode: Config3:107.9MHz  
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		401.6300	29.47	-9.73	19.74	46.00	-26.26	QP	
2		450.2800	26.14	-8.14	18.00	46.00	-28.00	QP	
3		541.9300	25.84	-6.67	19.17	46.00	-26.83	QP	
4		610.6300	26.22	-4.93	21.29	46.00	-24.71	QP	
5	*	696.7400	25.74	-3.78	21.96	46.00	-24.04	QP	
6		785.9600	24.66	-2.83	21.83	46.00	-24.17	QP	

\*:Maximum data x:Over limit l:over margin

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File : EI40006-02\Data : #40

Page: 1

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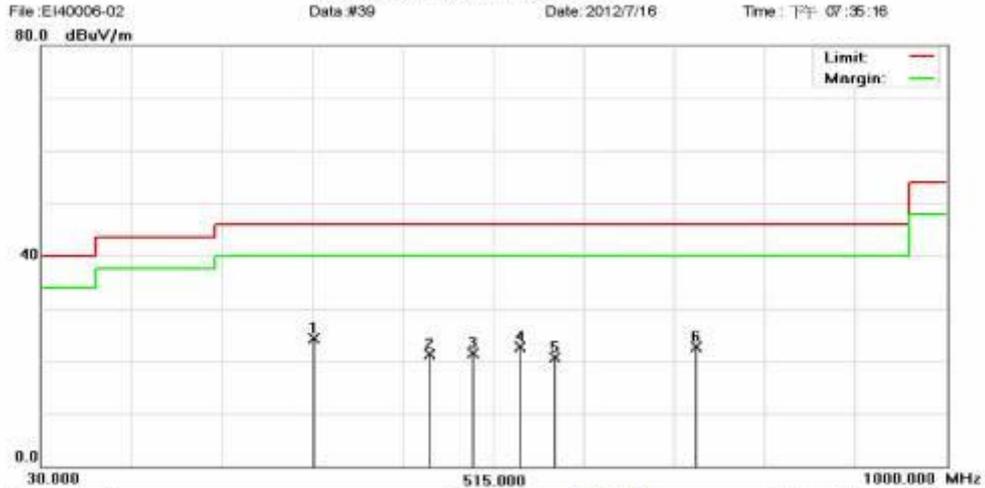
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### Radiated Emission Measurement



Site : 966-2 Chamber  
 Limit: FCC Class B 3M Radiation  
 EUT: MobilePhone  
 MN: PM-0180-BV  
 Mode: Config3:107.9MHz  
 Note:

Polarization: **Vertical**  
 Power: AC 120V/60Hz  
 Distance:

Temperature: 25 °C  
 Humidity: 80%

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	321.0050	36.33	-11.97	24.36	46.00	-21.64	QP	
2		445.3360	29.63	-8.39	21.24	46.00	-24.76	QP	
3		492.5850	29.33	-7.91	21.42	46.00	-24.58	QP	
4		542.1650	29.34	-6.68	22.66	46.00	-23.34	QP	
5		579.5200	27.25	-6.47	20.78	46.00	-25.22	QP	
6		732.1140	26.31	-3.55	22.76	46.00	-23.24	QP	

\*:Maximum data x:Over limit l:over margin ●ReferenceOnly

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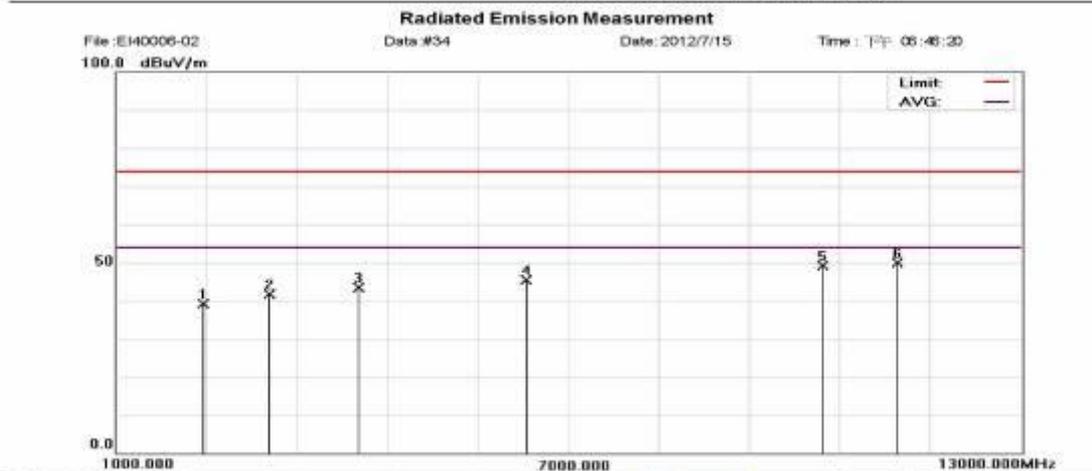
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Above 1G  
Config 1:Data Link  
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Site : 966-2 Chamber  
Limit: FCC Class B 3M Radiation(1G-40G)(Pea  
EUT: MobilePhone  
M/N: PM-0180-BV  
Mode: Config1:DataLink  
Note:

Polarization: **Horizontal**  
Power: Fromsystem  
Distance:

Temperature: 25 °C  
Humidity: 60%

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2152.000	37.69	1.51	39.20	74.00	-34.80	peak	
2		3040.000	38.20	3.41	41.61	74.00	-32.39	peak	
3		4216.000	37.90	5.38	43.28	74.00	-30.72	peak	
4		6448.000	36.36	8.92	45.28	74.00	-28.72	peak	
5		10384.000	34.59	14.57	49.16	74.00	-24.84	peak	
6	*	11368.000	33.76	16.23	49.99	74.00	-24.01	peak	

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

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File:EI40006-02>Data :#34

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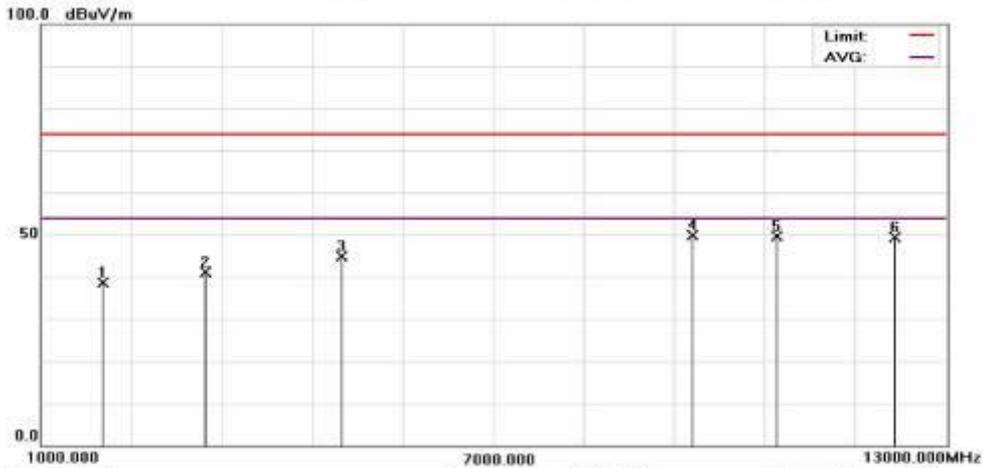
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Address : 台北縣五股工業區五工路 134 號  
Tel:02-2299-3279 Fax:02-2298-2698

### Radiated Emission Measurement

File: EI40006-02 Data #36 Date: 2012/7/15 Time: 下午 08:49:10



Site : 966-2 Chamber Polarization: **Vertical** Temperature: 25 °C  
Limit: FCC Class B 3M Radiation(1G-40G)(Pea Power: Fromsystem Humidity: 80%  
EUT: MobilePhone Distance:  
MN: PM-0180-BV  
Mode: Config1:Datalink  
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		1818.000	38.99	-0.43	38.56	74.00	-35.44	peak	
2		3184.000	37.46	3.64	41.10	74.00	-32.90	peak	
3		4984.000	38.05	6.72	44.77	74.00	-29.23	peak	
4	*	9640.000	37.23	12.60	49.83	74.00	-24.17	peak	
5		10768.00	34.19	15.44	49.63	74.00	-24.37	peak	
6		12328.00	31.51	17.87	49.38	74.00	-24.62	peak	

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

●ReferenceOnly

File: EI40006-02\Data #36

Page: 1

Engineer Signature:

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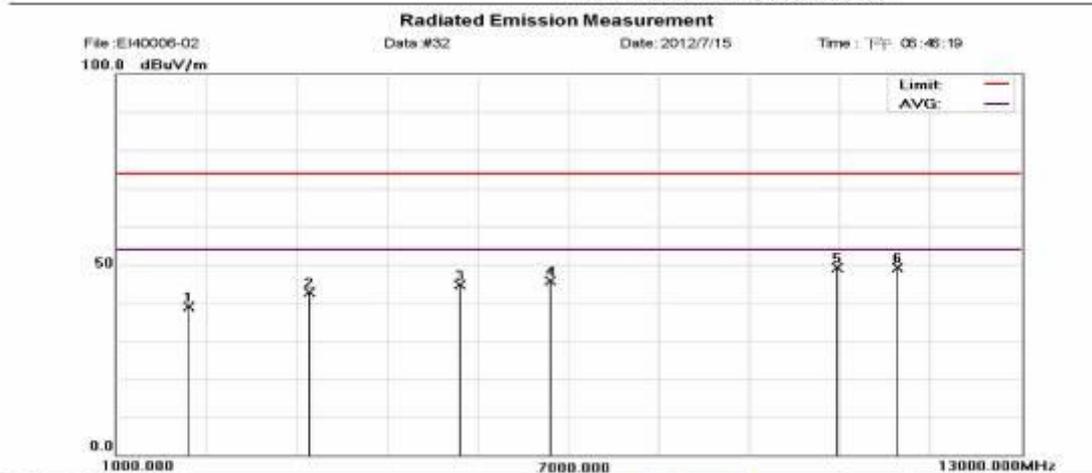
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**Config 2:Recording**  
**Main:Salcomp**  
**H**

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Site : 966-2 Chamber  
 Limit: FCC Class B 3M Radiation(1G-40G)(Pea  
 EUT: MobilePhone  
 M/N: PM-0180-BV  
 Mode: Config2:Recording  
 Note:

Polarization: **Horizontal**  
 Power: AC 120V/60Hz  
 Distance:

Temperature: 25 ℃  
 Humidity: 60%

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		1960.000	38.02	0.79	38.81	74.00	-35.19	peak	
2		3568.000	38.21	4.38	42.59	74.00	-31.41	peak	
3		5560.000	37.02	7.55	44.57	74.00	-29.43	peak	
4		6760.000	36.40	9.11	45.51	74.00	-28.49	peak	
5	*	10576.00	34.16	15.04	49.20	74.00	-24.80	peak	
6		11368.00	32.78	16.23	49.01	74.00	-24.99	peak	

\*:Maximum data x:Over limit !:over margin ●ReferenceOnly

File:EI40006-02>Data:#32

Page: 1

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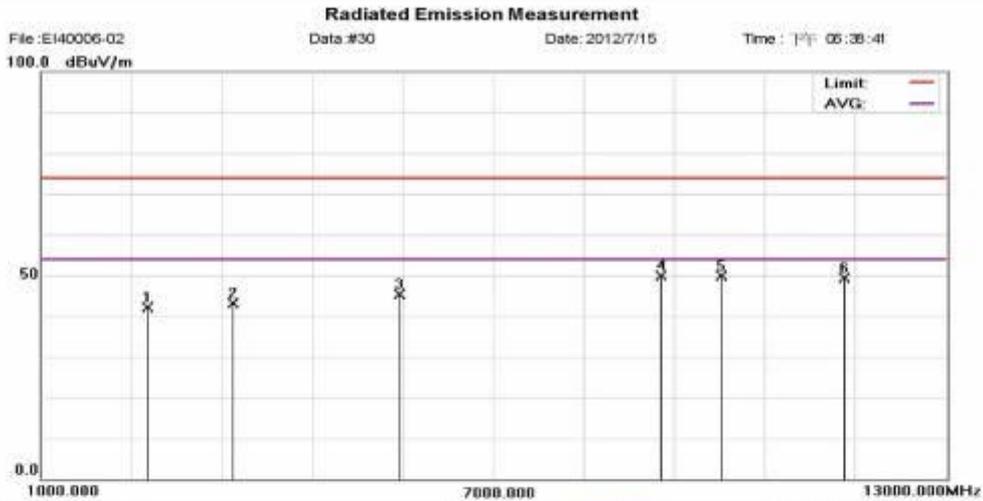
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Site : 966-2 Chamber      Polarization: **Vertical**      Temperature: 25 °C  
Limit: FCC Class B 3M Radiation(1G-40G)(Pea      Power: AC 120V/60Hz      Humidity: 60%  
EUT: MobilePhone      Distance:  
MN: PM-0180-BV  
Mode: Config2:Recording  
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2416.000	39.93	2.21	42.14	74.00	-31.86	peak	
2		3544.000	38.84	4.32	43.16	74.00	-30.84	peak	
3		5752.000	37.46	7.81	45.27	74.00	-28.73	peak	
4	*	9232.000	38.05	11.81	49.86	74.00	-24.14	peak	
5		10024.000	36.23	13.61	49.84	74.00	-24.16	peak	
6		11656.000	32.69	16.64	49.33	74.00	-24.67	peak	

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

●ReferenceOnly

File: EI40006-02/Data: #30

Page: 1

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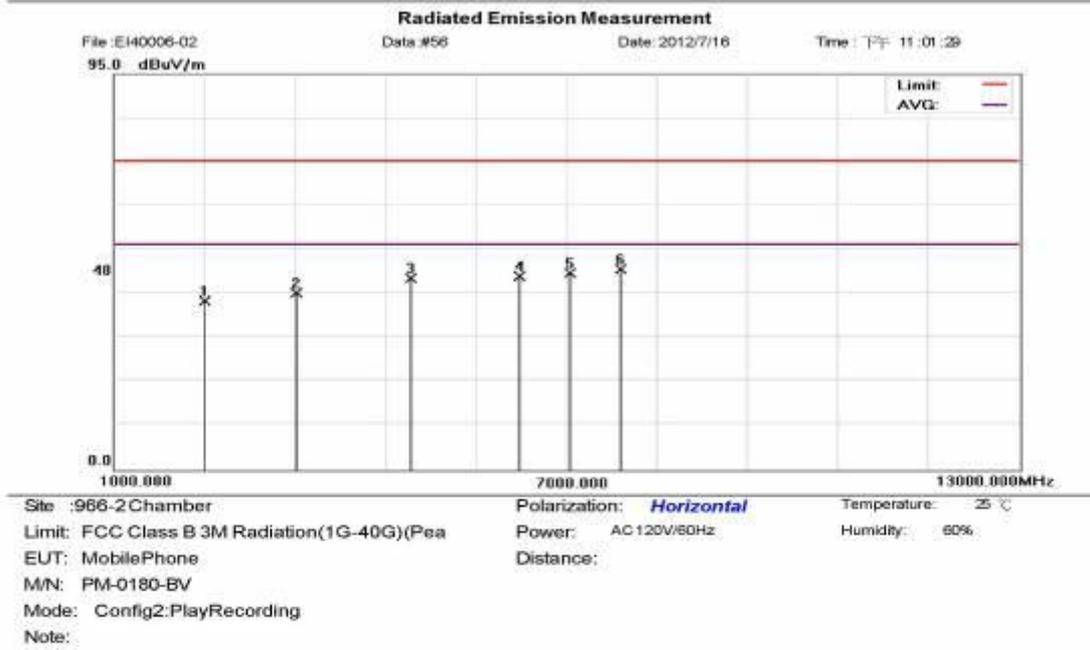
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**Config 2:Play Recording**  
**Main:Salcomp**  
**H**

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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2200.000	38.77	1.64	40.41	74.00	-33.59	peak	
2		3424.000	38.35	4.08	42.43	74.00	-31.57	peak	
3		4936.000	39.32	6.66	45.98	74.00	-28.02	peak	
4		6376.000	37.52	8.88	46.40	74.00	-27.60	peak	
5		7048.000	37.80	9.36	47.16	74.00	-26.84	peak	
6	*	7720.000	38.16	9.93	48.09	74.00	-25.91	peak	

\*:Maximum data    x:Over limit    !:over margin      ●:ReferenceOnly

File: EI40006-02|Data: #56      Page: 1      Engineer Signature:

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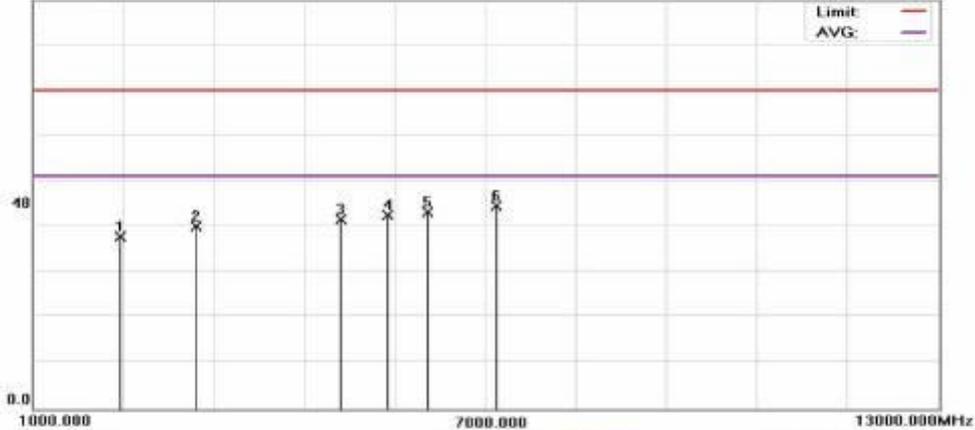
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### Radiated Emission Measurement

File: EI40006-02 Data #55 Date: 2012/7/16 Time: 10:50:25



Site : 966-2 Chamber Polarization: **Vertical** Temperature: 25 °C  
Limit: FCC Class B 3M Radiation(1G-40G)(Pea Power: AC 120V/60Hz Humidity: 60%  
EUT: MobilePhone Distance:  
M/N: PM-0180-BV  
Mode: Config2.PlayRecording  
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2152.000	38.58	1.51	40.09	74.00	-33.91	peak	
2		3160.000	38.87	3.60	42.47	74.00	-31.53	peak	
3		5080.000	37.20	6.85	44.05	74.00	-29.95	peak	
4		5704.000	37.28	7.74	45.02	74.00	-28.98	peak	
5		6232.000	36.97	8.77	45.74	74.00	-28.26	peak	
6	*	7144.000	37.68	9.38	47.06	74.00	-26.94	peak	

\*:Maximum data x:Over limit !:over margin ●ReferenceOnly

File: EI40006-02>Data: #55

Page: 1

Engineer Signature:

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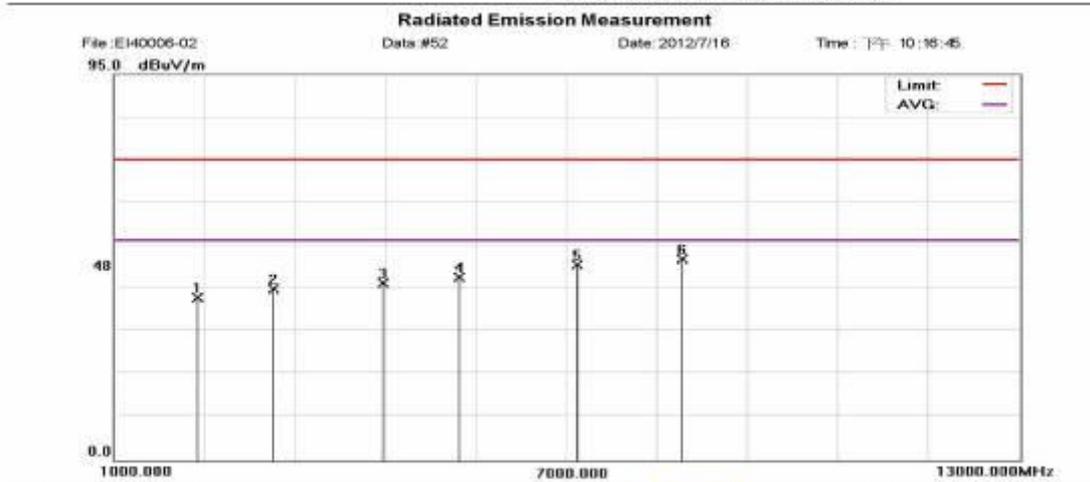
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Config 2:MP3  
Main:Salcomp  
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Site : 966-2 Chamber Polarization: **Horizontal** Temperature: 25 °C  
Limit: FCC Class B 3M Radiation(1G-40G)(Pea Power: AC 120V/60Hz Humidity: 60%  
EUT: MobilePhone Distance:  
M/N: PM-0180-BV  
Mode: Config2:PlayMP3  
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2104.000	38.63	1.39	40.02	74.00	-33.98	peak	
2		3112.000	38.61	3.53	42.14	74.00	-31.86	peak	
3		4576.000	37.33	6.14	43.47	74.00	-30.53	peak	
4		5584.000	37.33	7.59	44.92	74.00	-29.08	peak	
5		7144.000	38.62	9.38	48.00	74.00	-26.00	peak	
6	*	8536.000	38.73	10.79	49.52	74.00	-24.48	peak	

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

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File: EI40006-02>Data: #52

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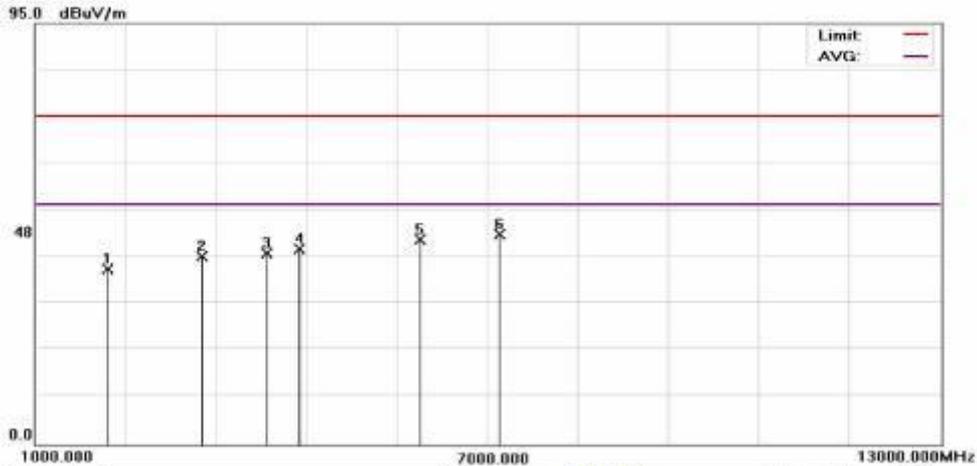
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### Radiated Emission Measurement

File:EI40006-02 Data #51 Date: 2012/7/16 Time: 下午 10:07:48



Site :966-2 Chamber Polarization: **Vertical** Temperature: 25 °C  
Limit: FCC Class B 3M Radiation(1G-40G)(Pea Power: AC120V/60Hz Humidity: 80%  
EUT: MobilePhone Distance:  
MN: PM-0180-BV  
Mode: Config2:PlayMP3  
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		1960.000	38.69	0.79	39.48	74.00	-34.52	peak	
2		3208.000	38.75	3.67	42.42	74.00	-31.58	peak	
3		4072.000	37.82	5.21	43.03	74.00	-30.97	peak	
4		4504.000	38.04	6.00	44.04	74.00	-29.96	peak	
5		6112.000	37.61	8.60	46.21	74.00	-27.79	peak	
6	*	7168.000	38.02	9.39	47.41	74.00	-26.59	peak	

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

●ReferenceOnly

File:EI40006-02\Data:#51

Page: 1

Engineer Signature:

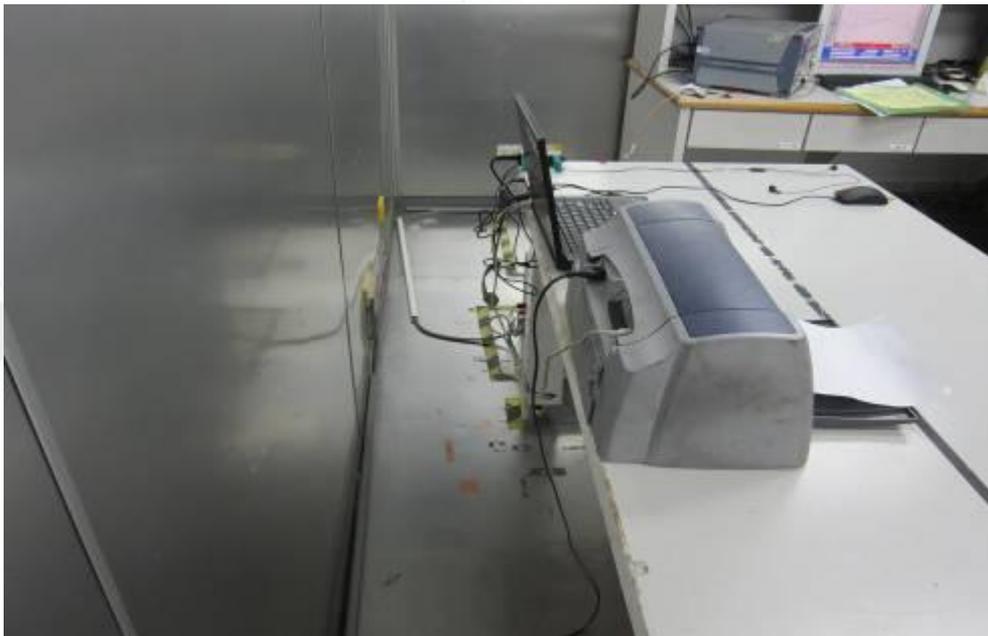
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## Config 2



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### Config 3

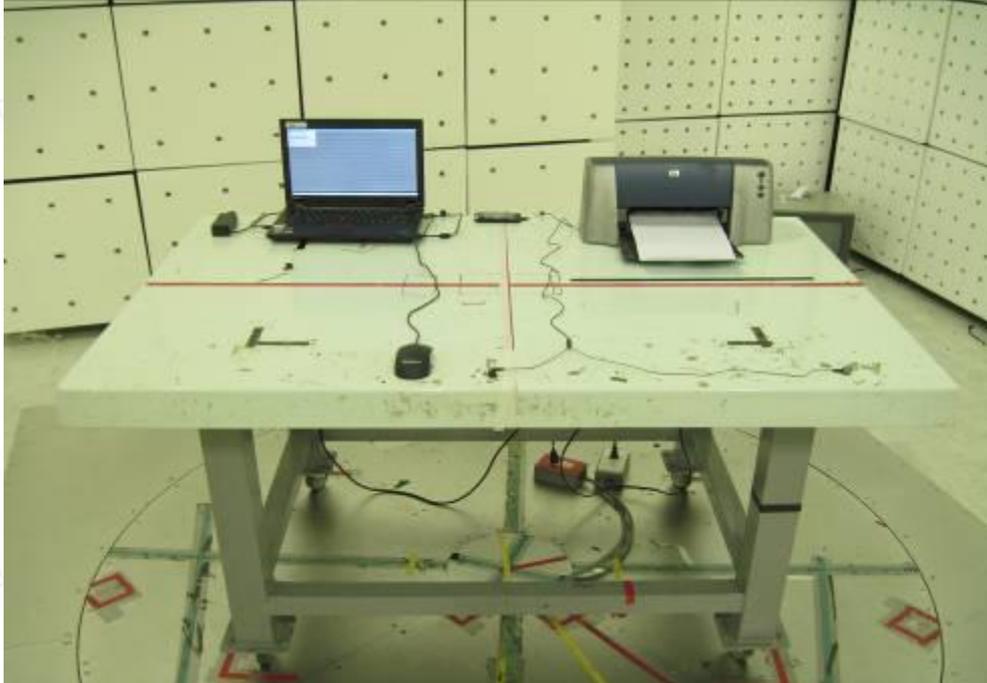


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RE:  
Below 1G  
Config 1

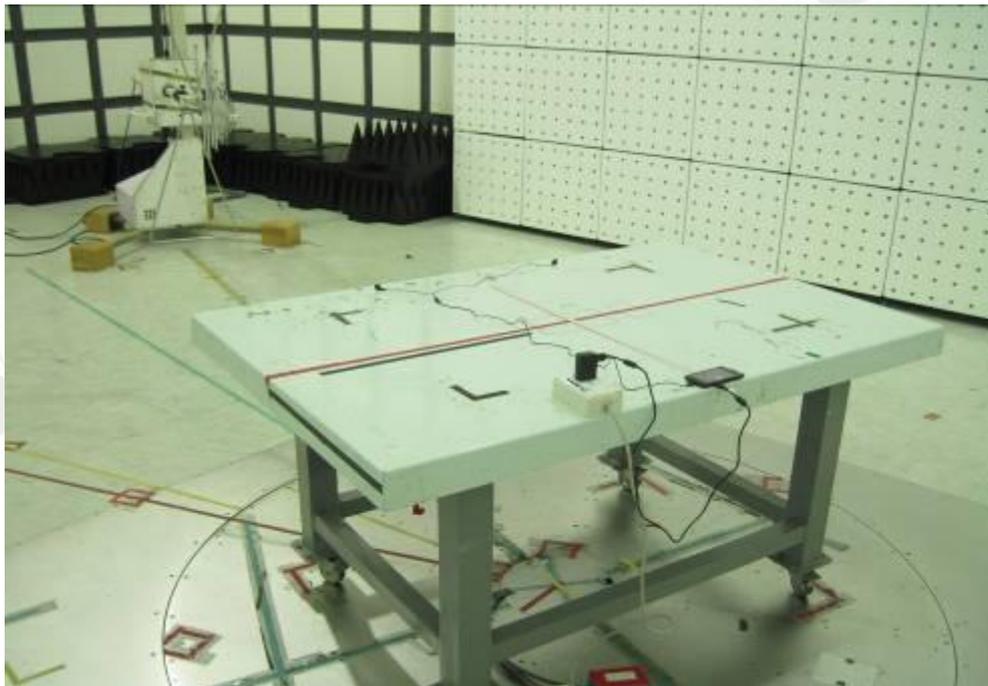
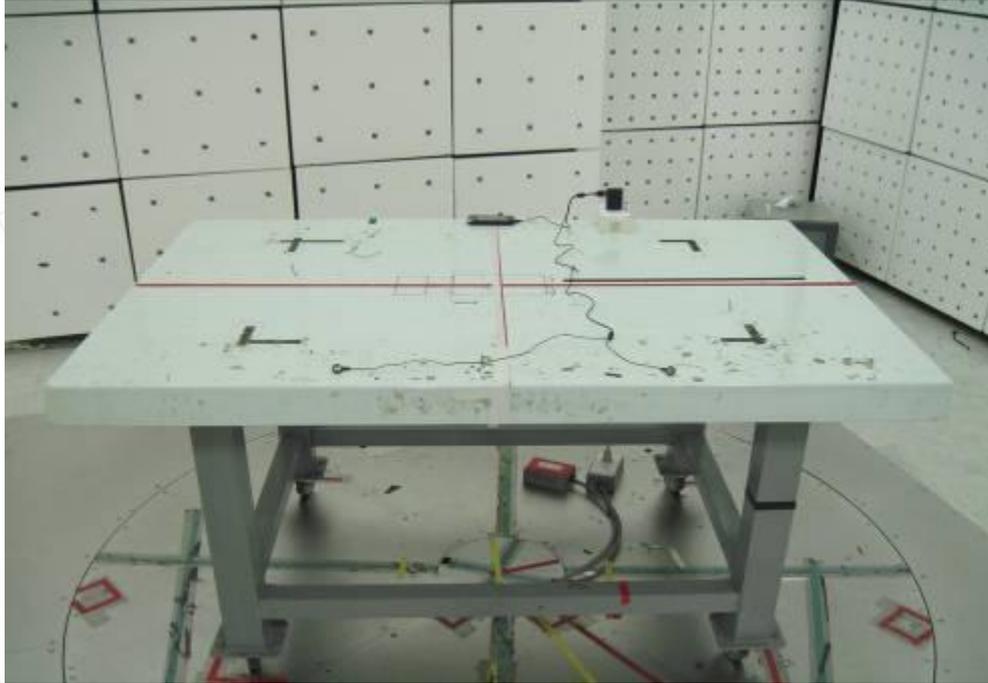


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## Config 2

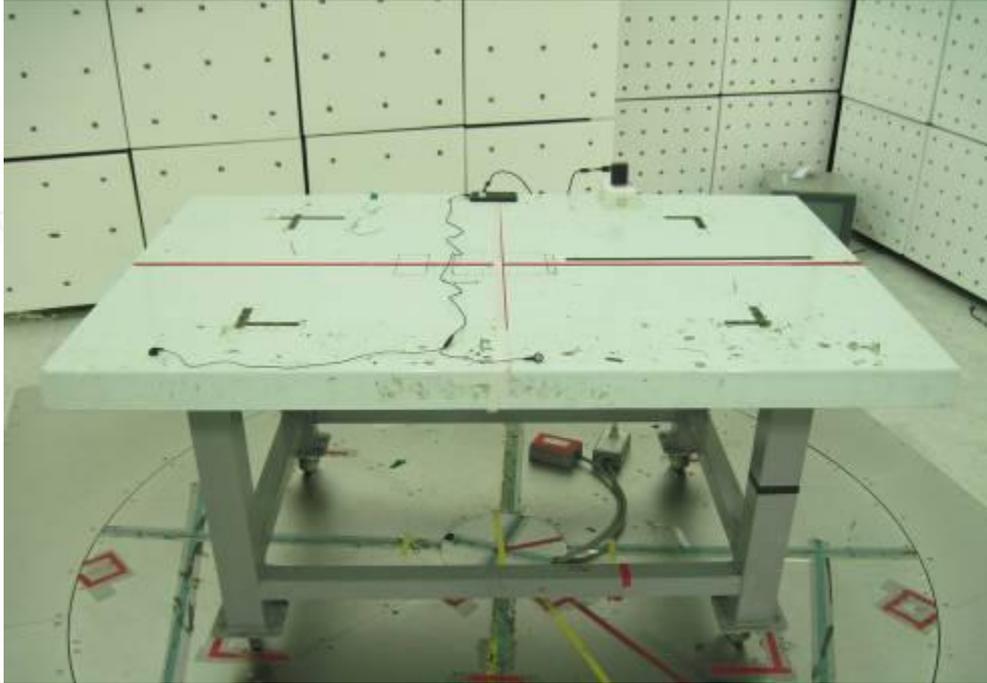


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### Config 3



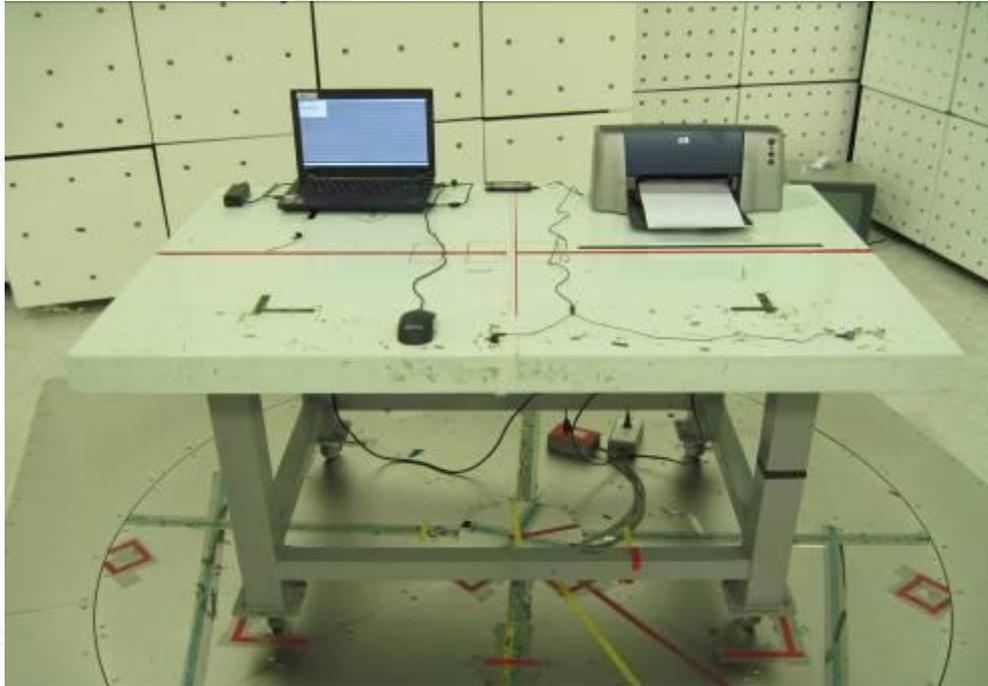
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Above 1G

Config 1



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## Config 2

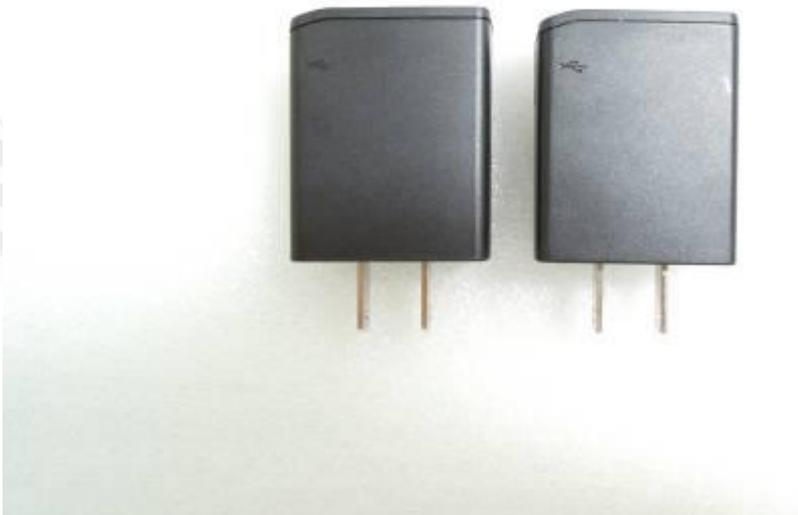


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## 4. Photographs of Product Exterior



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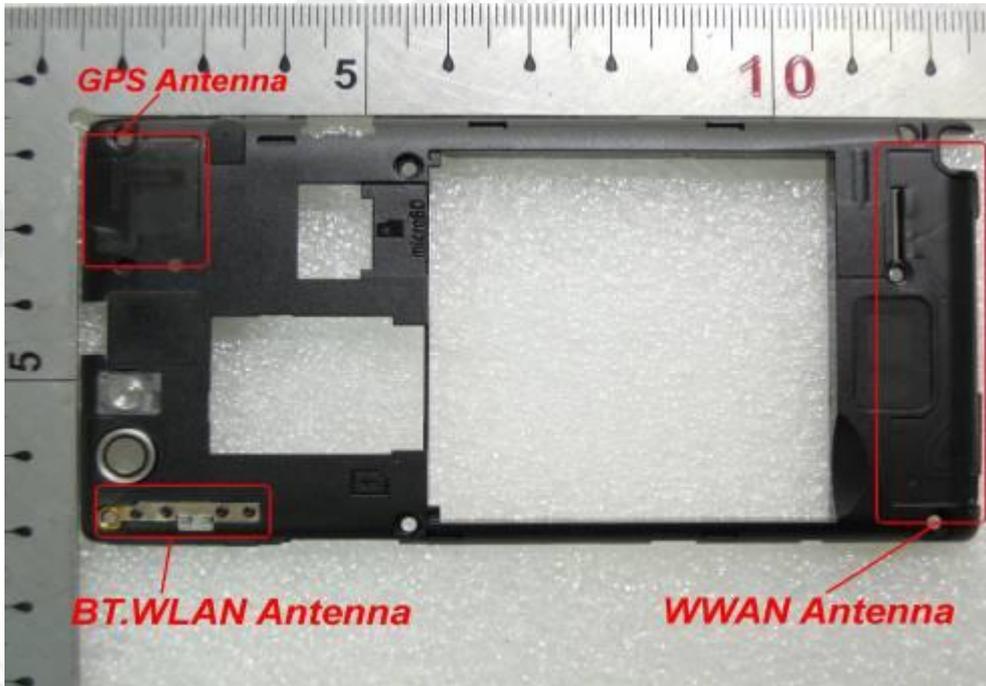


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## Interior



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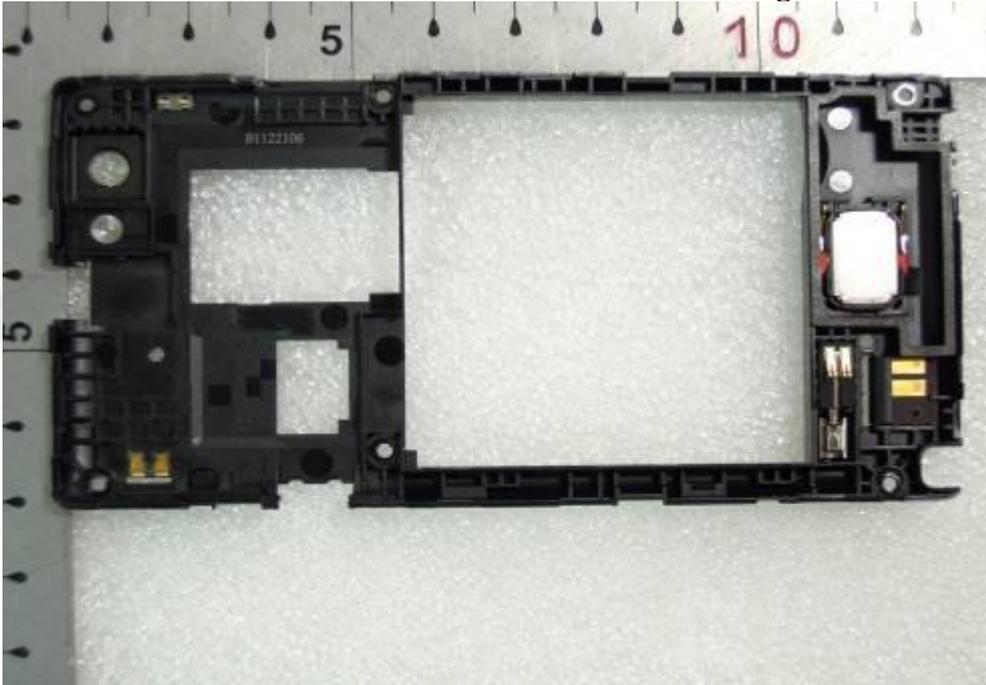
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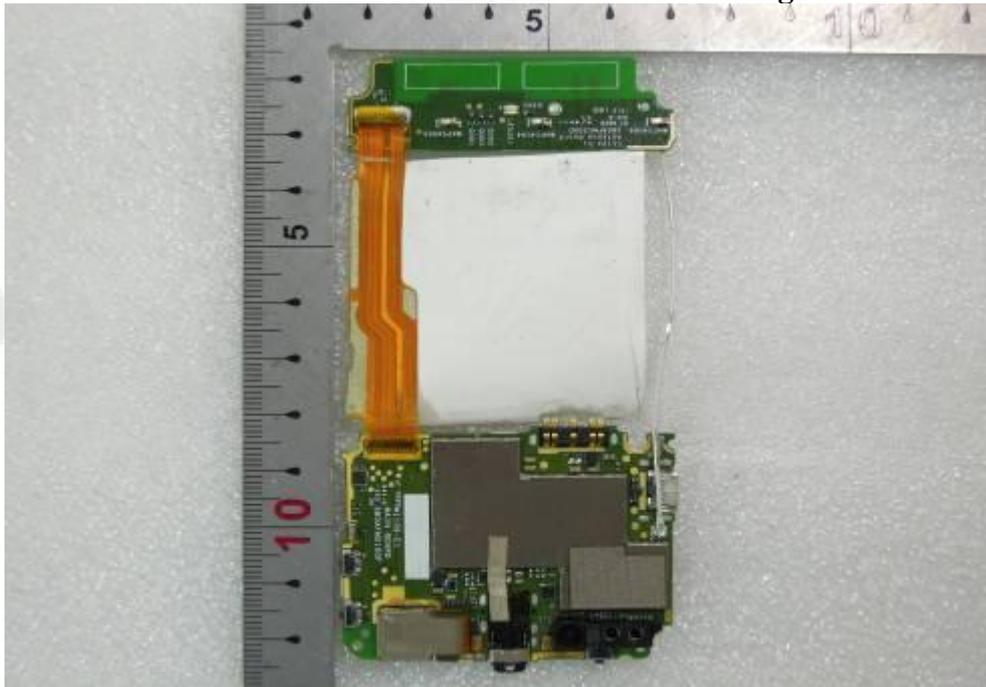
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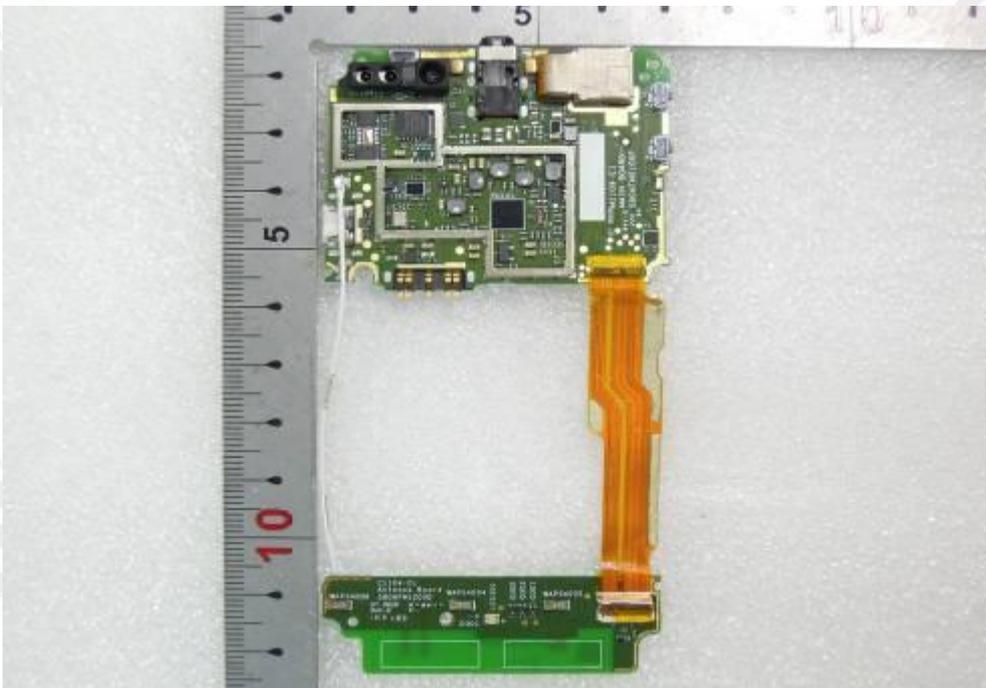
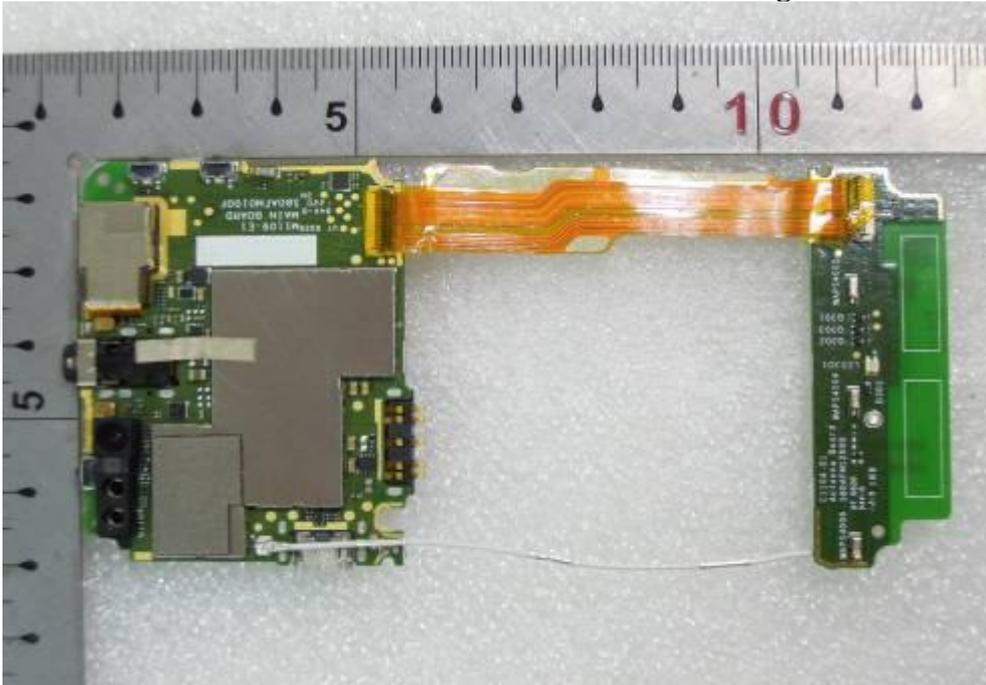
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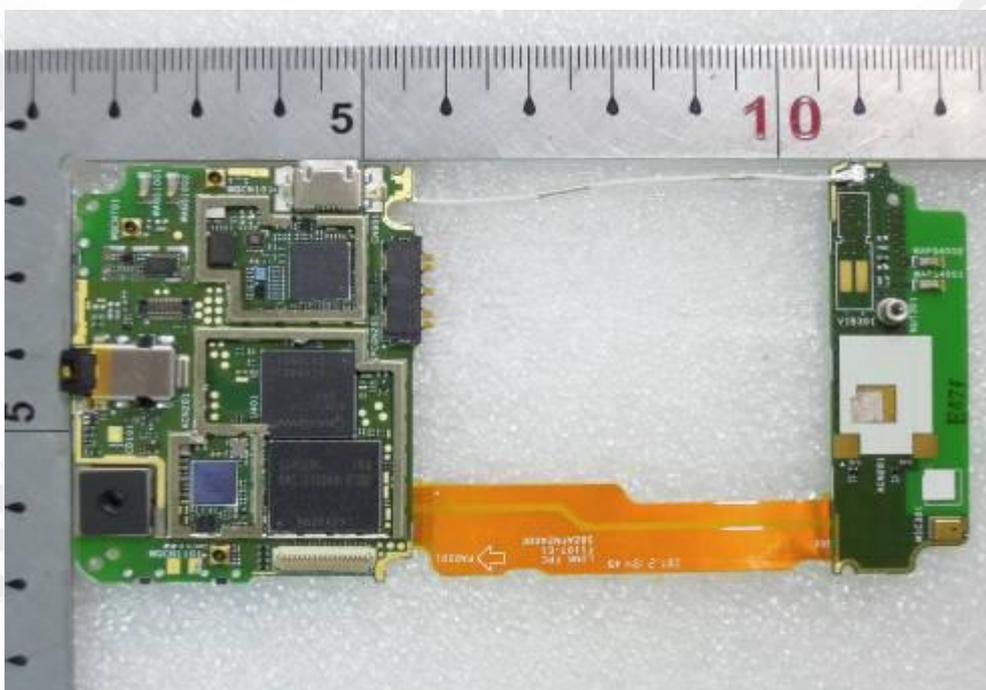
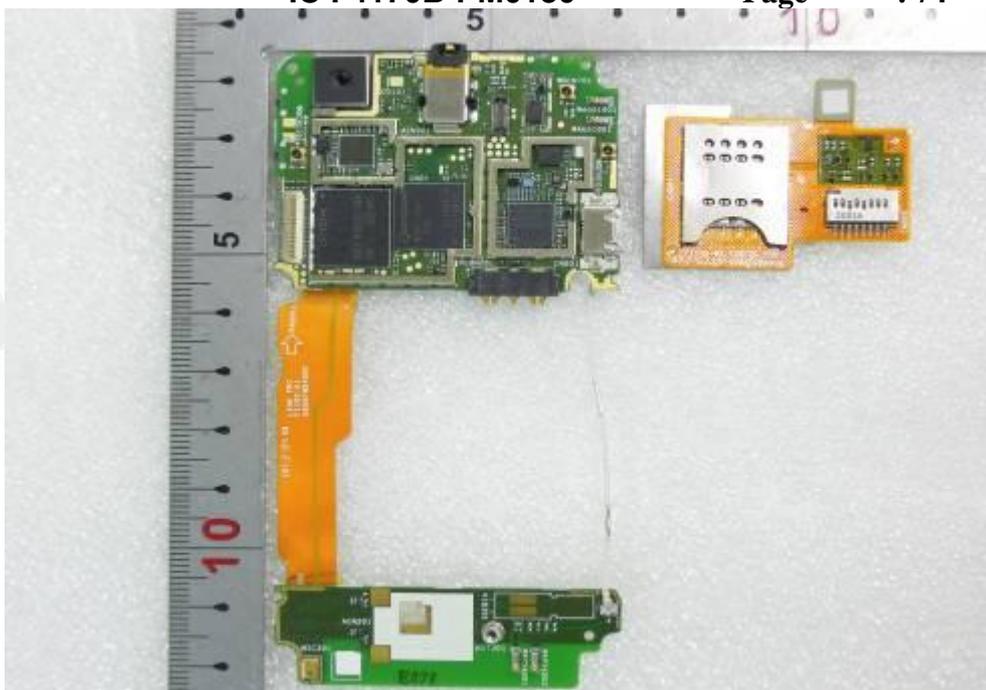
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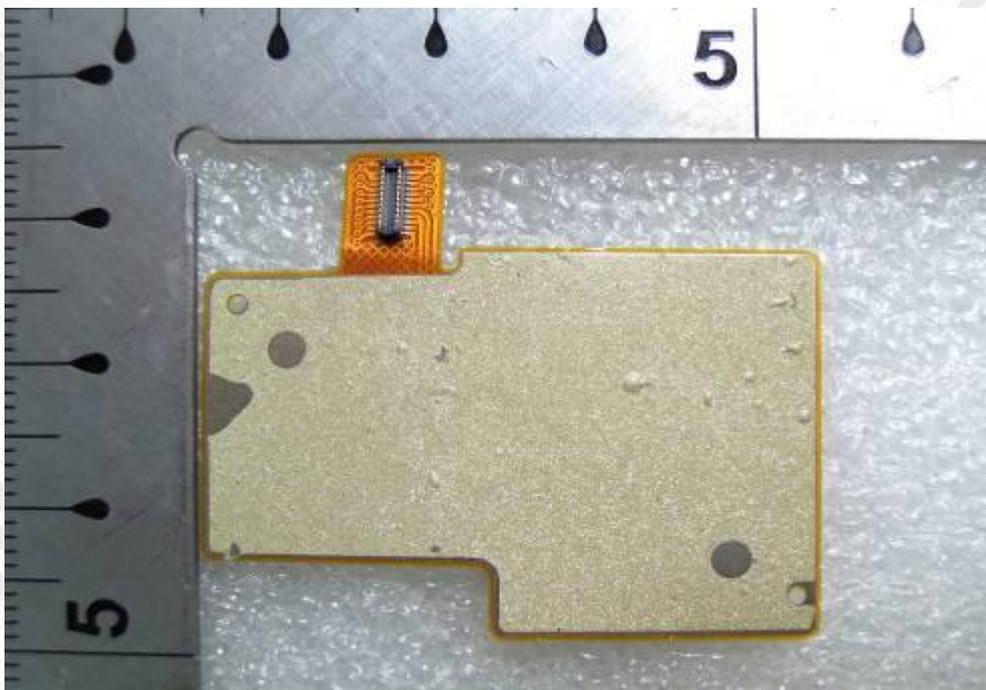
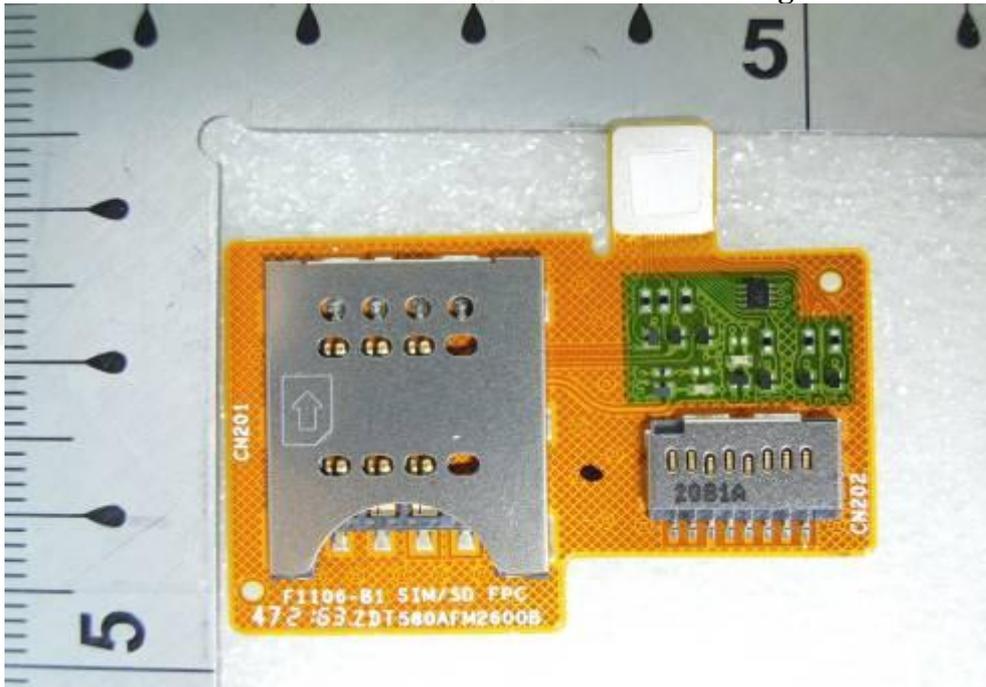
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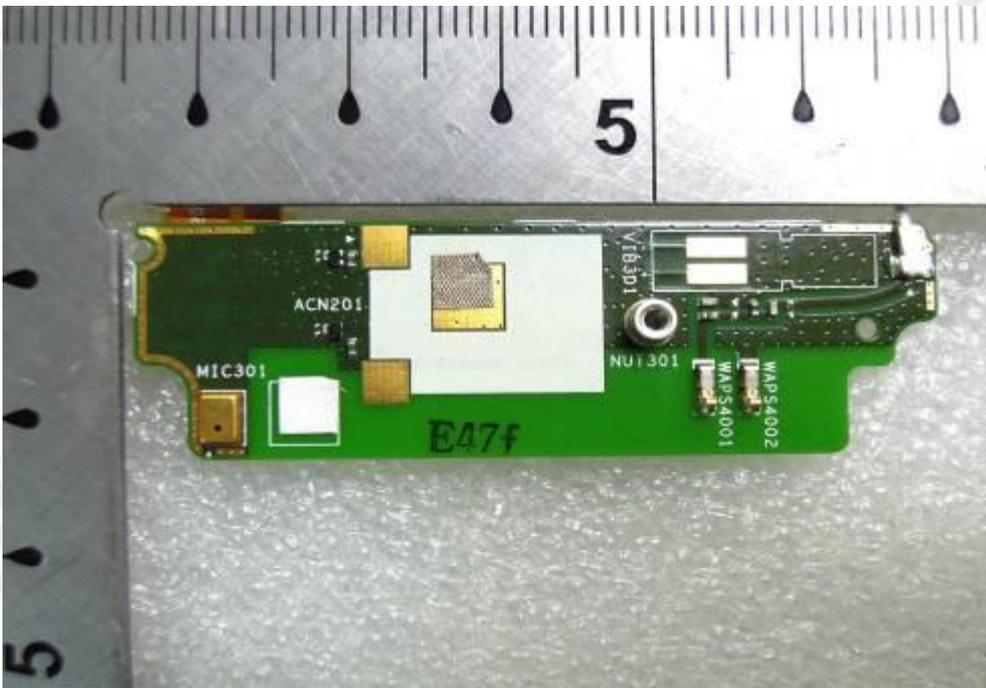
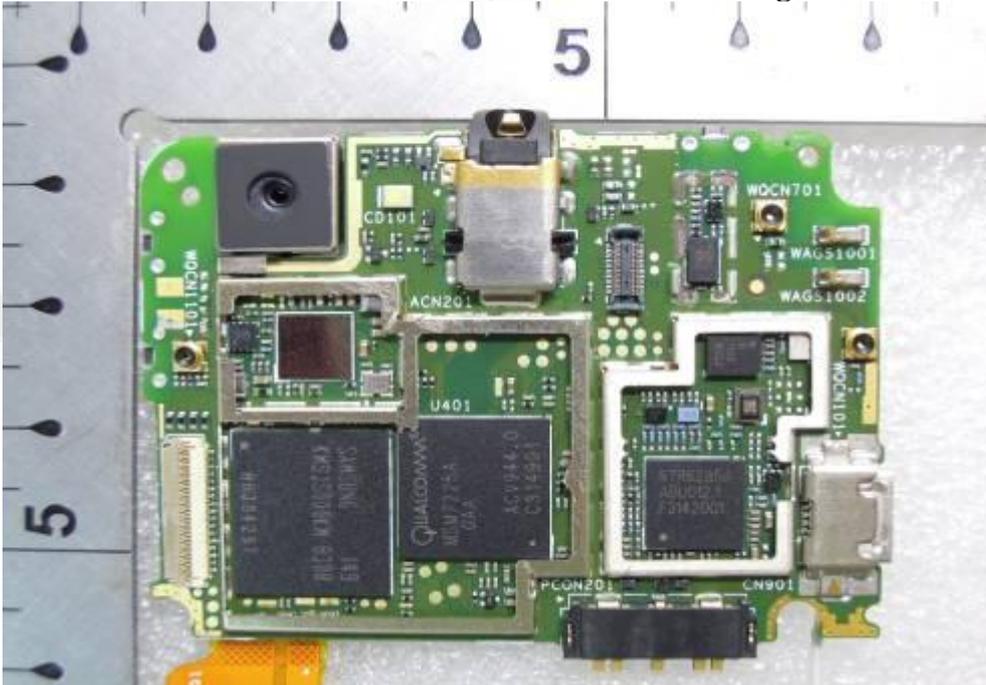
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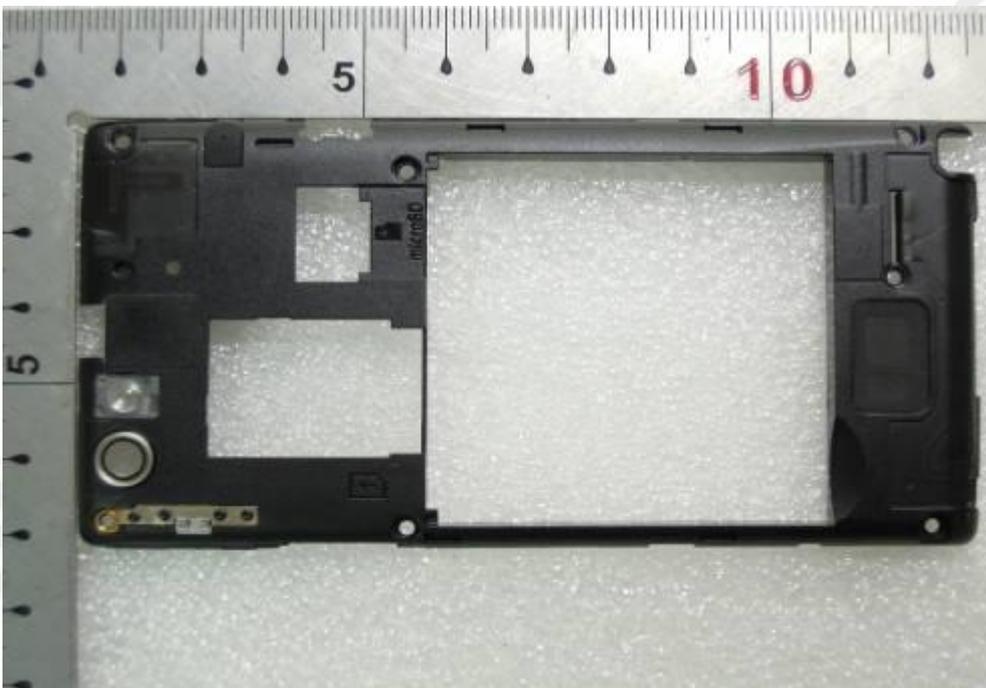
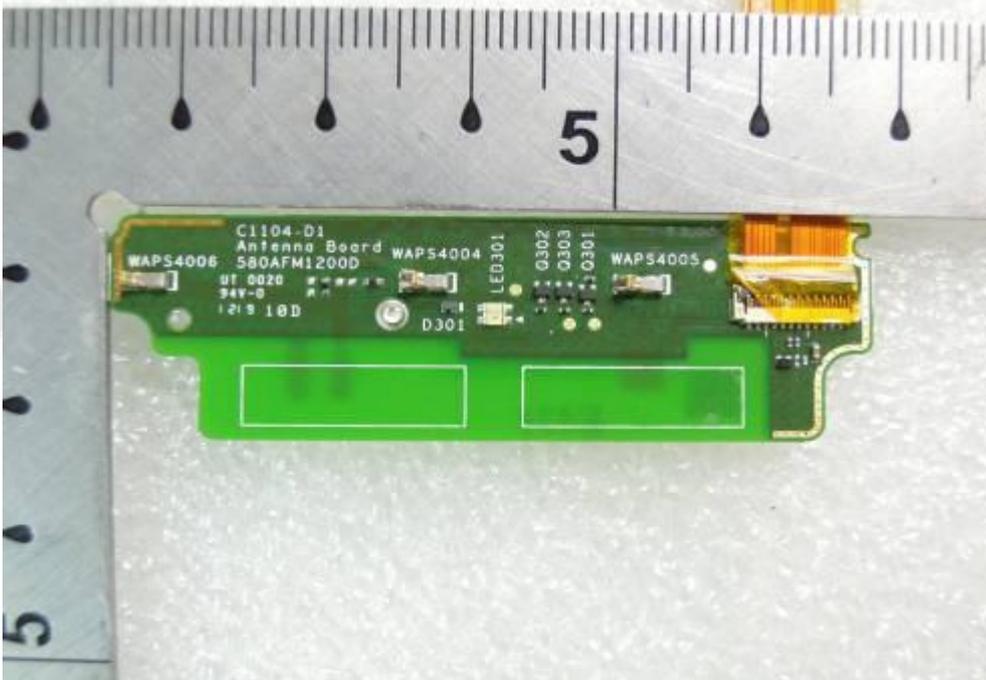
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**\*\* End of Report \*\***

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