

FCC CERTIFICATION REPORT

Test Report No.: EI/2012/50003

Applicant : Sony Mobile Communications AB

Address of Applicant : Nya Vattentornet 22188 Lund/SWEDEN

Equipment Under Test (EUT) :

Product Name: PDA Phone

Marketing Name: MT25i

Brand Name : Sony

Model No. : PM-0110-BV

FCC ID : PY7PM-0110

Added Model(s) : N/A

Standards : FCC Part 15:2010, Subpart B, Class B

Date of Receipt : Mar. 20, 2012

Date of Test : Mar. 20 ~ May 15, 2012

Date of Issue : Jun. 26, 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.

This report shall not be reproduced except in full, without the written approval of the laboratory. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

Test By:



Date

Jun. 26, 2012

Jimmy Liu / Engineer

Prepared By:



Date

Jun. 26, 2012

Jessie Li(Clerk)

Approved By



Date

Jun. 26, 2012

Jim Chang / Supervisor

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Version

Version No.	Description	Date
00	Original report	May 17, 2012
01	Modification : The Part number has been changed to Type number	Jun. 14, 2012
02	Description of test mode and product information	Jun. 26, 2012

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1. General Information

1.1 Applicant & Manufacturer Information

Applicant : Sony Mobile Communications AB

Address of Applicant : Nya Vattentornet 22188 Lund/SWEDEN

1.2 General Description of EUT

Name : PDA Phone

Marketing Name : MT25i

Brand Name : Sony

Model No. : PM-0110-BV

Added Model(s) : N/A

FCC ID : PY7PM-0110

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:	AP	
Software Version:	4.1.B.0.405	
Power Supply:	3.6Vdc form Li-Ion battery or 5Vdc form adapter.	
	Battery:	1.Model No.: BST-41, Supplier: SONY Type No.: CBA-0002012
	Adapter :	1.Model No.: EP800, Supplier: Salcomp Type No.: CAA-0002016-BV/ CAA-0002016-US

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1.4 EUT description

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

Test Plan:

MT25i	Operation :	Unintentional radiation mode	
		Config 1	Config 2
Applicable standard	FCC 15B		
Accessories	UE + Battery + USB Cable +SHF	UE + Battery + AC Adaptor +USB Cable + SHF	
Main Function	DATA Link	CAMERA	
Additional Function	DATA Link	FULL SYSTEM	
Description			
radiated emission	DATA Link	Recording&play recording&MP3	
conducted emission (DC Power)	NA	N/A	
conducted emission (AC Power)	DATA Link	Recording&play recording&MP3	

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.

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

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1.7 Modification List

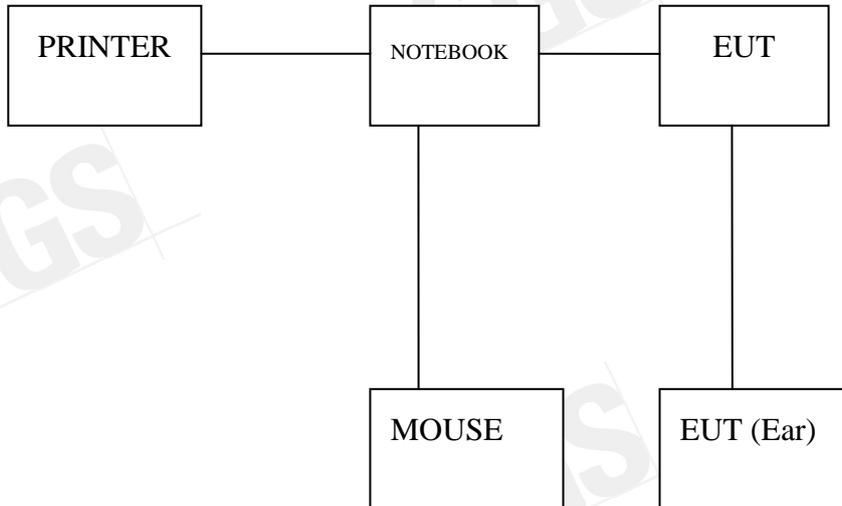
No modification by SGS Taiwan Electronics & Communication Laboratory.

1.8 Cable List

Cable Type	Length	Shield
Power cable	1.5m	Non-shielding

1.9 Test Set-Up Configuration

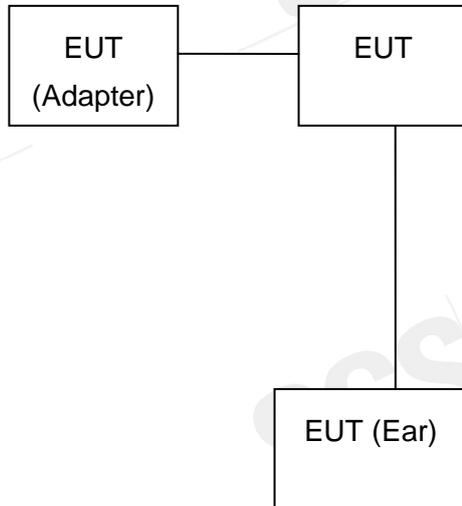
Config1



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Config2



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.

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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	Conducted Emission	PASS	Line	0.1850	-13.10(QP)
			Neutral	0.4250	-12.62(AVG)
	Radiated Emission	PASS	Ver.	40.2700	-12.99(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.)
 FCC lab registration number:990257

2.4.3 Operating Environment

Temperature : 26 degree C

Humidity : 59 %RH

Atmospheric Pressure : 996 mBar

2.4.3.1 Uncertainty of Conducted Emission

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

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2.4.4 Measurement Data

Config 1:Data link

L



No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measurement dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1850	51.06	0.10	51.16	64.26	-13.10	QP	
2		0.2900	45.65	0.09	45.74	60.52	-14.78	QP	
3		0.6400	38.21	0.09	38.30	56.00	-17.70	QP	
4		1.9100	38.92	0.10	39.02	56.00	-16.98	QP	
5		4.7900	42.72	0.13	42.85	56.00	-13.15	QP	
6		10.0200	43.10	0.17	43.27	60.00	-16.73	QP	

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

File : EI30020\Data : #15

Page: 1

Engineer Signature:

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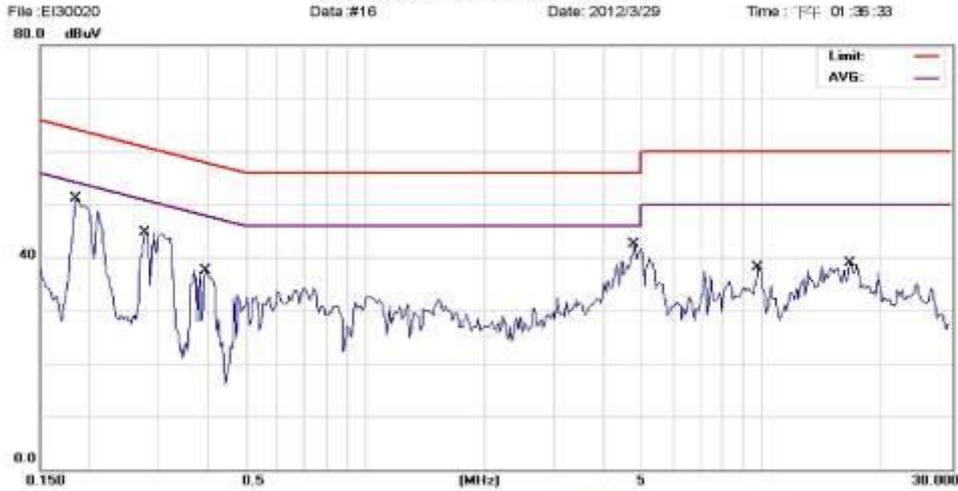
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 電話 : (02) 22993279 傳真 : (02) 22962698

Conducted Emission Measurement



Site: SGS CONDUCTED #1 Phase: **N** Temperature: 25 °C
 Limit: FCC Class B Conduction(QP) Power: Form System Humidity: 59%
 EUT: Distance: Air Pressure: hpa
 MN:
 Note: Config 1: UE+Battery+USB Cable+SHF ; DATA Link (AC120V/60Hz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1850	51.02	0.14	51.16	64.26	-13.10	QP	
2		0.2759	44.58	0.13	44.71	60.94	-16.23	QP	
3		0.3950	37.40	0.13	37.53	57.96	-20.43	QP	
4		4.7900	42.28	0.17	42.45	56.00	-13.55	QP	
5		9.8600	37.87	0.20	38.07	60.00	-21.93	QP	
6		16.7800	38.69	0.27	38.96	60.00	-21.04	QP	

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

File: EI30020\Data :#16

Page: 1

Engineer Signature:

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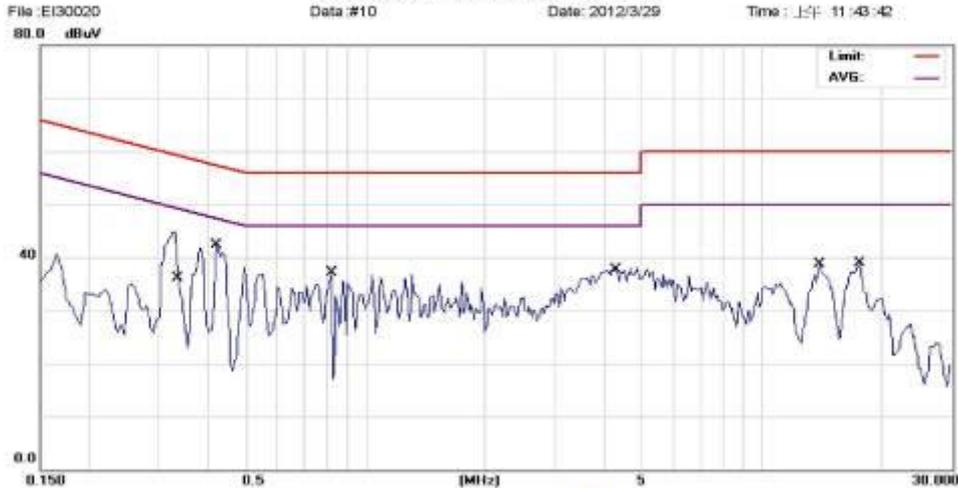
Config 2:Recording

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 電話 : (02) 22993279 傳真 : (02) 22982698

Conducted Emission Measurement



File :EI30020 Data :#10 Date: 2012/3/29 Time : 上午 11:43:42
 Site :SGS CONDUCTED #1 Phase: **L1** Temperature: 28 °C
 Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 59%
 EUT: Distance: Air Pressure: hpa
 MN:
 Note: Config 2 : UE+Battery+AC Adaptor+USB Cable+SHF+FULL System ; Recording

No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.3390	42.30	0.08	42.38	59.23	-16.85	QP	
2		0.3390	32.10	0.08	32.18	49.23	-17.05	AVG	
3		0.4200	39.40	0.09	39.49	57.45	-17.96	QP	
4		0.4200	25.50	0.09	25.59	47.45	-21.86	AVG	
5		0.8200	36.99	0.08	37.07	56.00	-18.93	QP	
6		4.2900	37.53	0.12	37.65	56.00	-18.35	QP	
7		14.0600	38.51	0.20	38.71	60.00	-21.29	QP	
8		17.7600	38.64	0.22	38.86	60.00	-21.14	QP	

Over limit :over margin

Reference Only

File :EI30020>Data :#10

Page: 1

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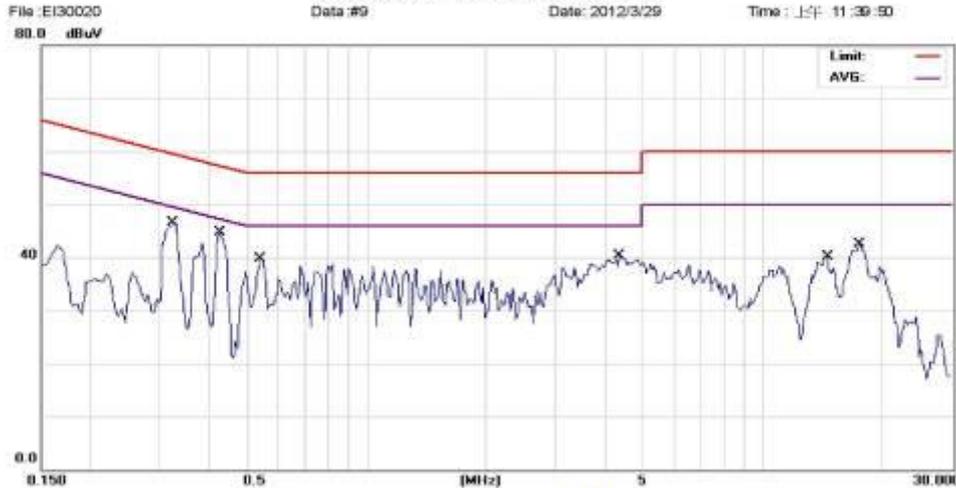
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Conducted Emission Measurement



File :EI30020 Data :#9 Date :2012/3/29 Time :上午 11:39:50
 Site :SGS CONDUCTED #1 Phase: **N** Temperature: 26 °C
 Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 59%
 EUT: Distance: Air Pressure: hpa
 MN:
 Note: Config 2 : UE+Battery+AC Adaptor+USB Cable+SHF+FULL System ; Recording

No.	Mk.	Freq.	Reading Level	Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.3250	44.60	0.12	44.72	59.58	-14.86	QP	
2		0.3250	35.60	0.12	35.72	49.58	-13.86	AVG	
3		0.4250	43.80	0.13	43.93	57.35	-13.42	QP	
4	*	0.4250	34.60	0.13	34.73	47.35	-12.62	AVG	
5		0.5400	39.60	0.13	39.73	56.00	-16.27	QP	
6		4.3500	35.40	0.16	35.56	56.00	-20.44	QP	
7		4.3500	25.90	0.16	26.06	46.00	-19.94	AVG	
8		14.6000	39.87	0.26	40.13	60.00	-19.87	QP	
9		17.6200	42.16	0.28	42.44	60.00	-17.56	QP	

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

File :EI30020\Data :#9

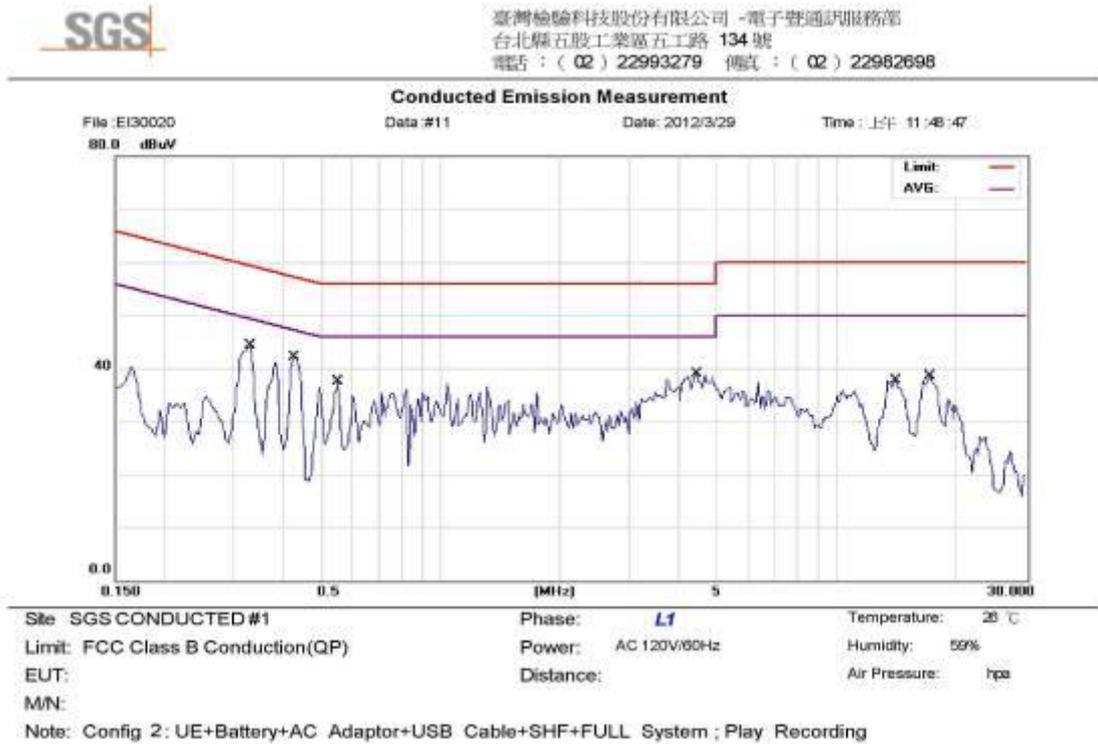
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Config 2:Play Recording L



No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.3300	41.20	0.08	41.28	59.45	-18.17	QP	
2		0.3300	30.80	0.08	30.88	49.45	-18.57	AVG	
3		0.4250	39.50	0.09	39.59	57.35	-17.76	QP	
4	*	0.4250	31.50	0.09	31.59	47.35	-15.76	AVG	
5		0.5500	37.34	0.09	37.43	56.00	-18.57	QP	
6		4.4400	38.83	0.12	38.95	56.00	-17.05	QP	
7		14.1400	37.53	0.20	37.73	60.00	-22.27	QP	
8		17.2000	38.36	0.22	38.58	60.00	-21.42	QP	

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

File:EI30020>Data:#11

Page: 1

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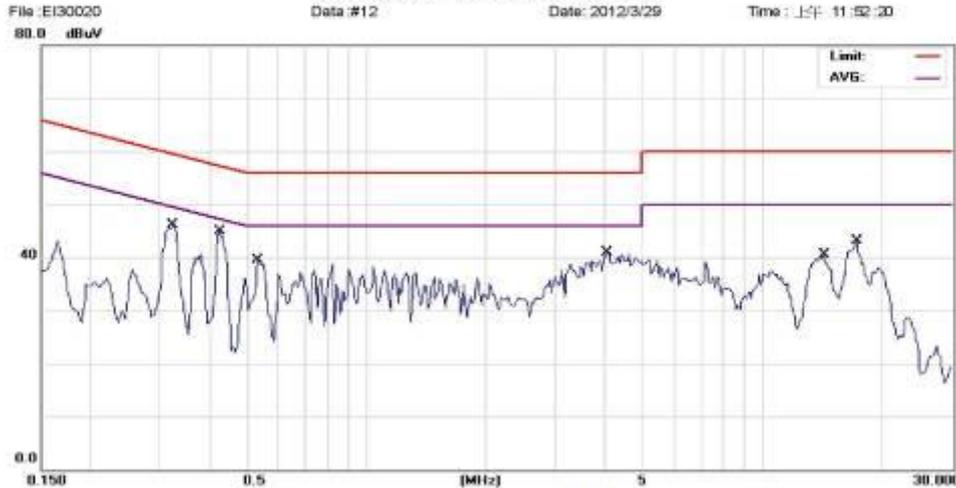
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 電話 : (02) 22993279 傳真 : (02) 22982698

Conducted Emission Measurement



File: EI30020 Data: #12 Date: 2012/3/29 Time: 上午 11:52:30
 Site: SGS CONDUCTED #1 Phase: **N** Temperature: 26 °C
 Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 59%
 EUT: Distance: Air Pressure: hpa
 MN:
 Note: Config 2 : UE+Battery+AC Adaptor+USB Cable+SHF+FULL System ; Play Recording

No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.3250	44.60	0.12	44.72	59.58	-14.86	QP	
2		0.3250	35.10	0.12	35.22	49.58	-14.36	AVG	
3		0.4250	43.70	0.13	43.83	57.35	-13.52	QP	
4	*	0.4250	34.80	0.13	34.93	47.35	-12.42	AVG	
5		0.5300	39.34	0.13	39.47	56.00	-16.53	QP	
6		4.0700	36.20	0.16	36.36	56.00	-19.64	QP	
7		4.0700	25.70	0.16	25.86	46.00	-20.14	AVG	
8		14.3000	40.31	0.25	40.56	60.00	-19.44	QP	
9		17.3000	42.91	0.27	43.18	60.00	-16.82	QP	

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

File:EI30020\Data:#12

Page: 1

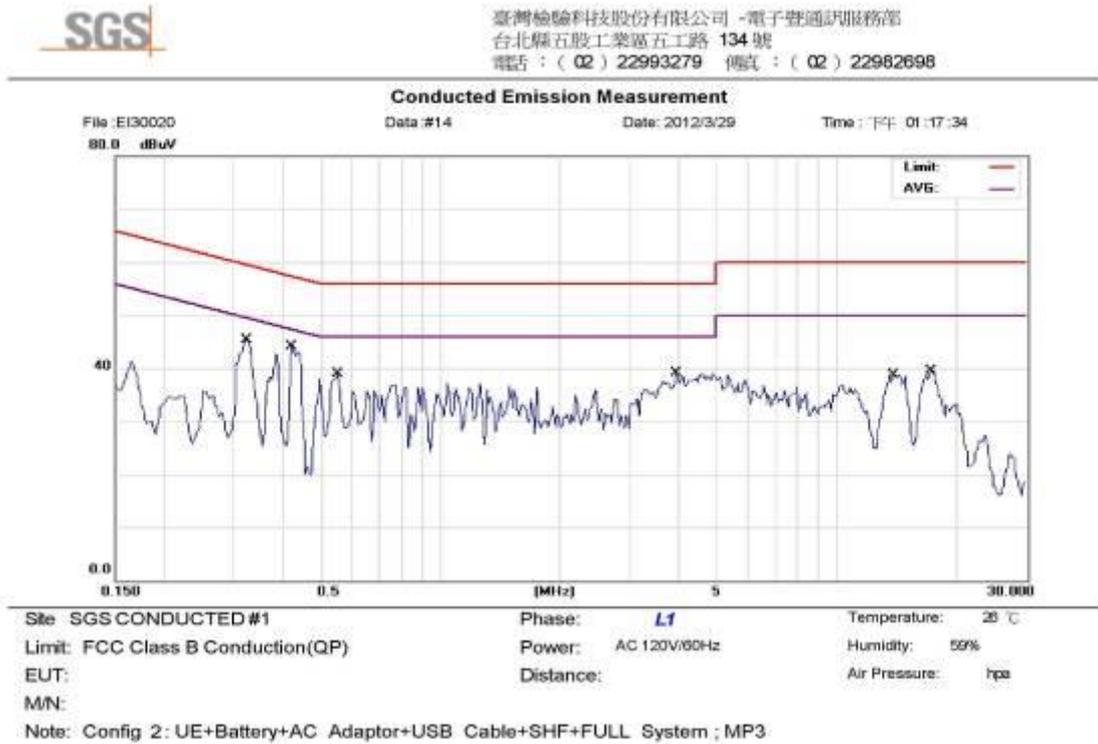
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Config 2:MP3

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No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.3250	42.80	0.08	42.88	59.58	-16.70	QP	
2	*	0.3250	35.90	0.08	35.98	49.58	-13.60	AVG	
3		0.4200	40.20	0.09	40.29	57.45	-17.16	QP	
4		0.4200	27.00	0.09	27.09	47.45	-20.36	AVG	
5		0.5500	38.89	0.09	38.98	56.00	-17.02	QP	
6		3.9400	39.06	0.12	39.18	56.00	-16.82	QP	
7		13.9200	38.43	0.20	38.63	60.00	-21.37	QP	
8		17.3400	39.26	0.22	39.48	60.00	-20.52	QP	

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

File:EI30020>Data:#14

Page: 1

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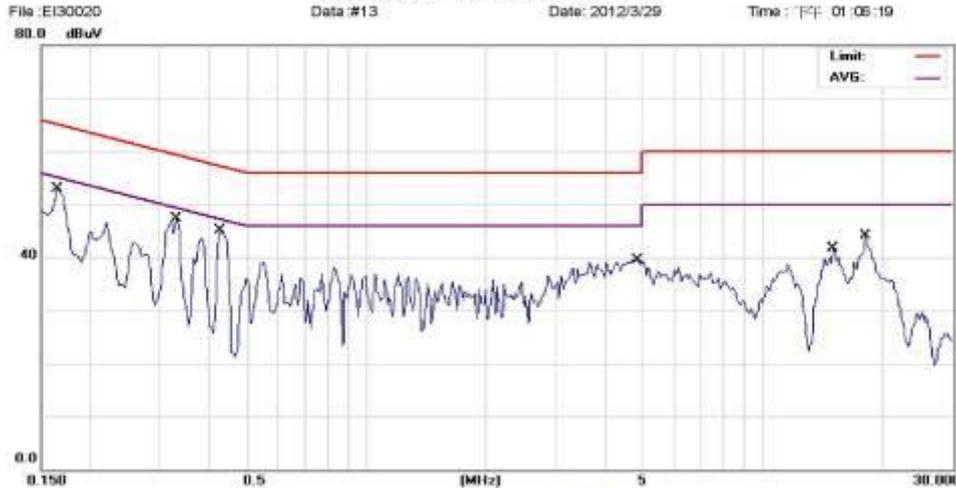
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 電話 : (02) 22993279 傳真 : (02) 22982698

Conducted Emission Measurement



File :EI30020 Data :#13 Date: 2012/3/29 Time : 下午 01:05:19
 Site :SGS CONDUCTED #1 Phase: **N** Temperature: 26 °C
 Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 59%
 EUT: Distance: Air Pressure: hpa
 MN:
 Note: Config 2 : UE+Battery+AC Adaptor+USB Cable+SHF+FULL System ; MP3

No.	Mk.	Freq.	Reading Level	Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1650	40.90	0.15	41.05	65.21	-24.16	QP	
2		0.1650	33.00	0.15	33.15	55.21	-22.06	AVG	
3		0.3300	42.90	0.12	43.02	59.45	-16.43	QP	
4		0.3300	31.70	0.12	31.82	49.45	-17.63	AVG	
5		0.4250	43.30	0.13	43.43	57.35	-13.92	QP	
6	*	0.4250	34.10	0.13	34.23	47.35	-13.12	AVG	
7		4.8400	39.32	0.17	39.49	56.00	-16.51	QP	
8		15.1400	41.38	0.27	41.65	60.00	-18.35	QP	
9		18.3000	33.40	0.28	33.68	60.00	-26.32	QP	
10		18.3000	24.60	0.28	24.88	50.00	-25.12	AVG	

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File :EI30020\Data :#13

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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	May 20, 2011	May 19, 2012
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.)
FCC lab registration number:990257

2.5.3 Operating Environment

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

2.5.3.1 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)

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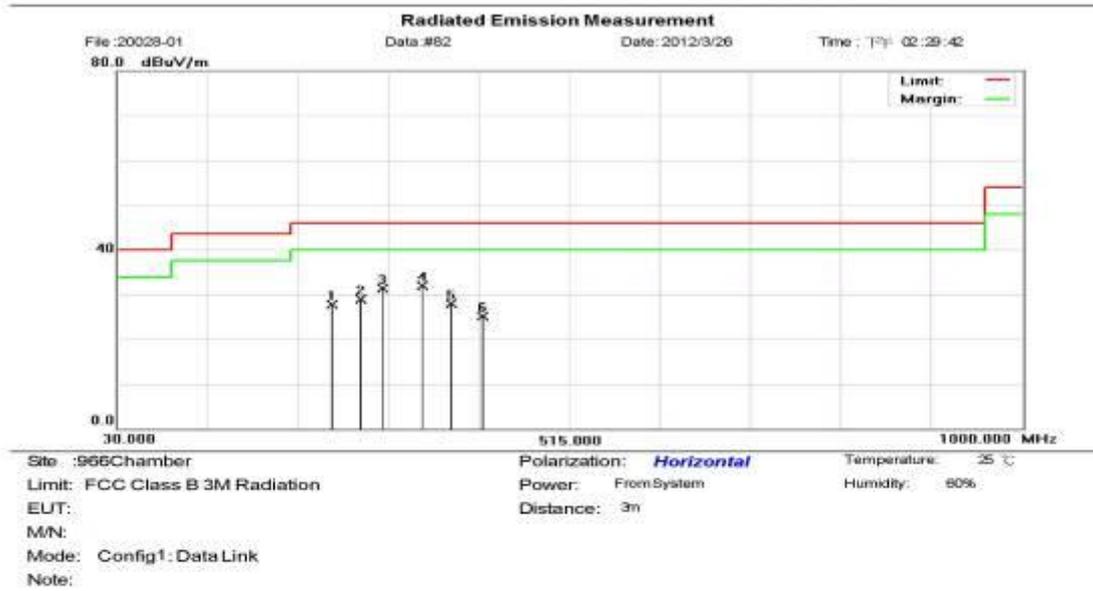
2.5.4 Measurement Data

Below 1G

Config 1:Data Link

H

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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



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		258.9300	41.32	-13.62	27.70	46.00	-18.30	QP	
2		291.2600	41.32	-12.47	28.85	46.00	-17.15	QP	
3		314.6300	43.20	-11.94	31.26	46.00	-14.74	QP	
4	*	356.0400	43.02	-11.07	31.95	46.00	-14.05	QP	
5		388.2000	38.20	-10.20	28.00	46.00	-18.00	QP	
6		420.5600	34.57	-9.55	25.02	46.00	-20.98	QP	

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

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File :20028-01\Data :#82

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

Radiated Emission Measurement



Site :966Chamber Polarization: **Vertical** Temperature: 25 °C
 Limit: FCC Class B 3M Radiation Power: From System Humidity: 80%
 EUT:
 MN:
 Mode: Config1: Data Link
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		239.9900	32.11	-14.42	17.69	46.00	-28.31	QP	
2		257.6300	40.68	-13.67	27.01	46.00	-18.99	QP	
3		289.9100	39.16	-12.50	26.66	46.00	-19.34	QP	
4		322.0800	38.83	-12.02	26.81	46.00	-19.19	QP	
5	*	356.2500	40.86	-11.06	29.80	46.00	-16.20	QP	
6		388.4100	35.52	-10.20	25.32	46.00	-20.68	QP	

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

File :20028-01>Data :#81

Page: 1

Engineer Signature:

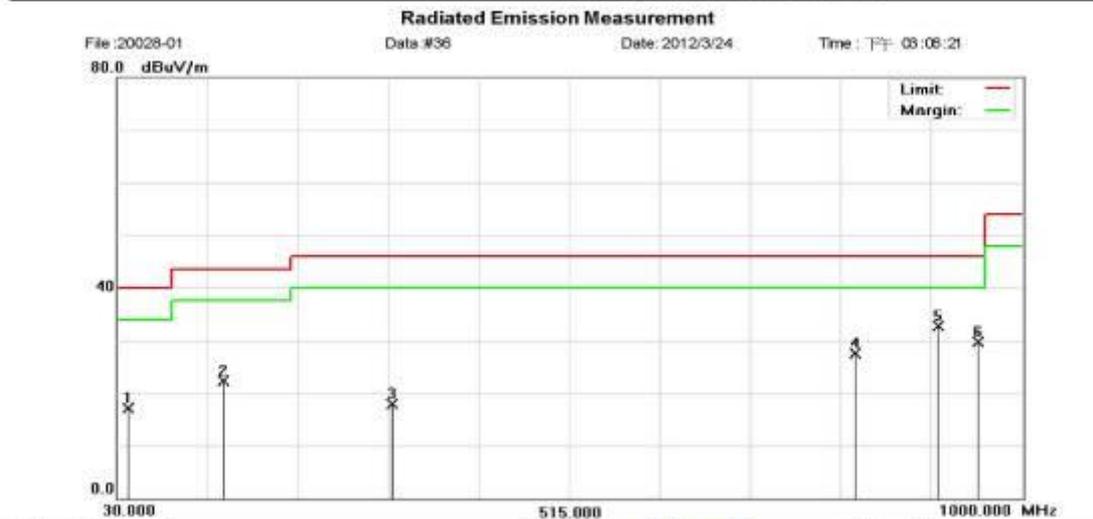
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Config 2:Recording H

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Site :966Chamber Polarization: **Horizontal** Temperature: 25 °C
Limit: FCC Class B 3M Radiation Power: AC 120V/60Hz Humidity: 80%
EUT: Distance: 3m
M/N:
Mode: Config 2: UE+Battery+AC Adaptor+USB Cable+SHF+FULL System ; Recording
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		40.3700	33.37	-16.35	17.02	40.00	-22.98	QP	
2		143.2800	36.92	-14.59	22.33	43.50	-21.17	QP	
3		323.1600	29.91	-11.98	17.93	46.00	-28.07	QP	
4		820.1800	28.44	-1.03	27.41	46.00	-18.59	QP	
5	*	909.8300	32.04	0.60	32.64	46.00	-13.36	QP	
6		952.3000	29.08	0.68	29.76	46.00	-16.24	QP	

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

File :20028-01\Data :#36

Page: 1

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Radiated Emission Measurement



File :20028-01 Data #35 Date: 2012/3/24 Time : 下午 02:54:39
 Site :966Chamber Polarization: **Vertical** Temperature: 25 °C
 Limit: FCC Class B 3M Radiation Power: AC120V/60Hz Humidity: 80%
 EUT:
 MN:
 Mode: Config 2: UE+Battery+AC Adaptor+USB Cable+SHF+FULL System ; Recording
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	40.2700	43.37	-16.36	27.01	40.00	-12.99	QP	
2		96.1900	37.31	-19.66	17.65	43.50	-25.85	QP	
3		143.2800	31.66	-14.59	17.07	43.50	-26.43	QP	
4		801.2200	29.46	-2.24	27.22	46.00	-18.78	QP	
5		909.1800	27.34	0.62	27.96	46.00	-18.04	QP	
6		931.2900	28.86	0.43	29.29	46.00	-16.71	QP	

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File :20028-01>Data :#35

Page: 1

Engineer Signature:

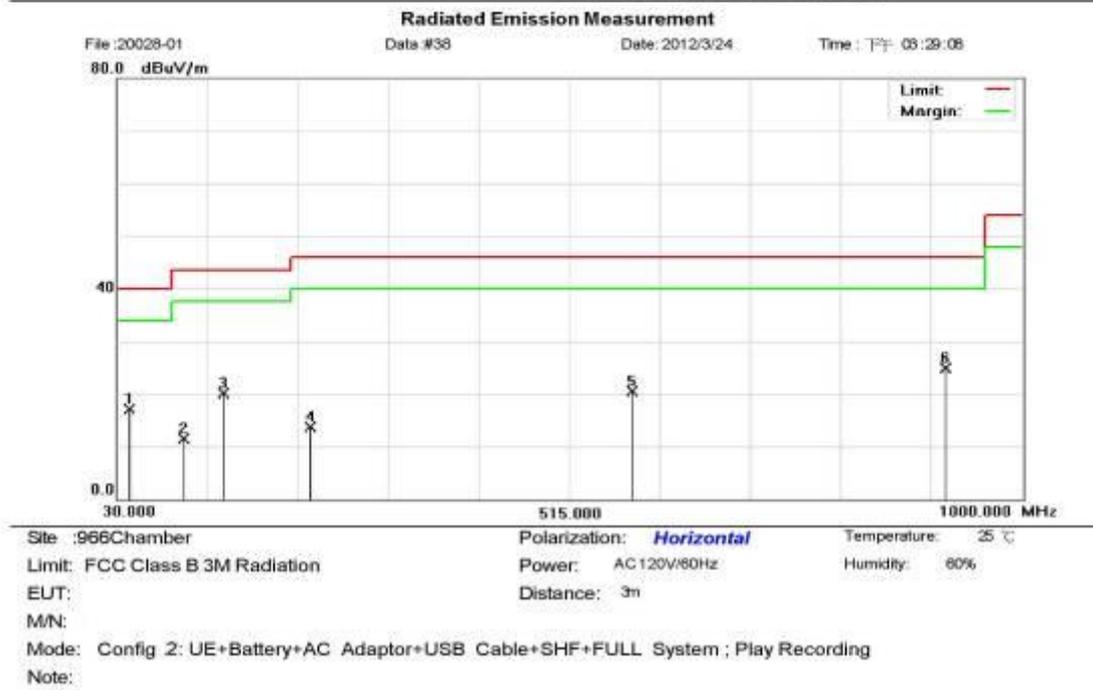
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Config 2:Play Recording H

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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		42.3100	33.35	-16.16	17.19	40.00	-22.81	QP	
2		100.2700	30.54	-18.96	11.58	43.50	-31.92	QP	
3		143.9500	34.69	-14.55	20.14	43.50	-23.36	QP	
4		236.1800	28.34	-14.63	13.71	46.00	-32.29	QP	
5		581.1400	26.73	-6.16	20.57	46.00	-25.43	QP	
6	*	917.7400	24.58	0.33	24.91	46.00	-21.09	QP	

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

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File :20028-01\Data :#38

Page: 1

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Radiated Emission Measurement



File :20028-01 Data #37 Date: 2012/3/24 Time : 下午 03:17:29
 Site :966Chamber Polarization: **Vertical** Temperature: 25 °C
 Limit: FCC Class B 3M Radiation Power: AC120V/60Hz Humidity: 80%
 EUT:
 MN:
 Mode: Config 2: UE+Battery+AC Adaptor+USB Cable+SHF+FULL System ; Play Recording
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	38.2100	43.57	-16.60	26.97	40.00	-13.03	QP	
2		108.1900	33.77	-17.60	16.17	43.50	-27.33	QP	
3		143.1800	29.58	-14.59	14.99	43.50	-28.51	QP	
4		236.8300	26.98	-14.59	12.39	46.00	-33.61	QP	
5		659.7400	25.57	-4.15	21.42	46.00	-24.58	QP	
6		900.0600	24.51	0.74	25.25	46.00	-20.75	QP	

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

File :20028-01>Data :#37

Page: 1

Engineer Signature:

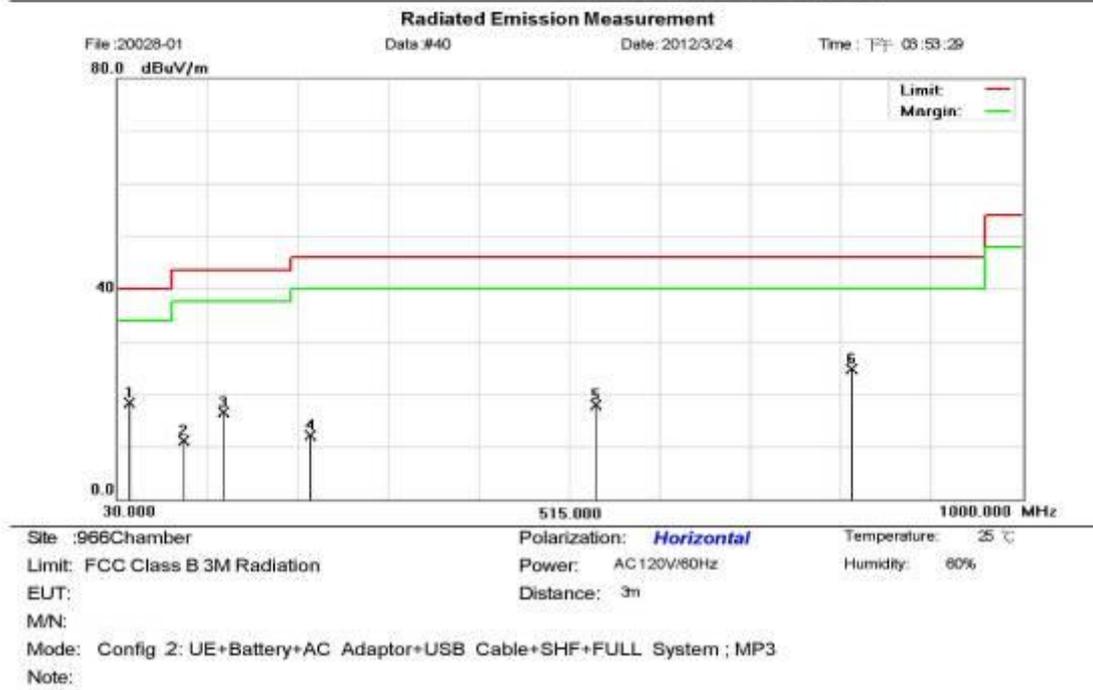
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Config 2:MP3
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		42.3500	34.43	-16.16	18.27	40.00	-21.73	QP	
2		100.1900	30.06	-18.98	11.08	43.50	-32.42	QP	
3		143.2900	31.03	-14.59	16.44	43.50	-27.06	QP	
4		236.7700	26.71	-14.60	12.11	46.00	-33.89	QP	
5		543.2700	25.08	-7.17	17.91	46.00	-28.09	QP	
6	*	816.1900	25.81	-1.17	24.64	46.00	-21.36	QP	

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

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Radiated Emission Measurement



File :20028-01 Data #39 Date: 2012/3/24 Time : 下午 03:40:48
 Site :966Chamber Polarization: **Vertical** Temperature: 25 °C
 Limit: FCC Class B 3M Radiation Power: AC120V/60Hz Humidity: 80%
 EUT: Distance: 3m
 MN:
 Mode: Config 2: UE+Battery+AC Adaptor+USB Cable+SHF+FULL System ; MP3
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	42.7500	43.25	-16.12	27.13	40.00	-12.87	QP	
2		73.2100	35.04	-18.77	16.27	40.00	-23.73	QP	
3		97.1400	35.73	-19.50	16.23	43.50	-27.27	QP	
4		126.5200	31.81	-15.87	15.94	43.50	-27.56	QP	
5		143.7400	29.00	-14.56	14.44	43.50	-29.06	QP	
6		238.3600	25.68	-14.51	11.17	46.00	-34.83	QP	

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File :20028-01>Data :#39

Page: 1

Engineer Signature:

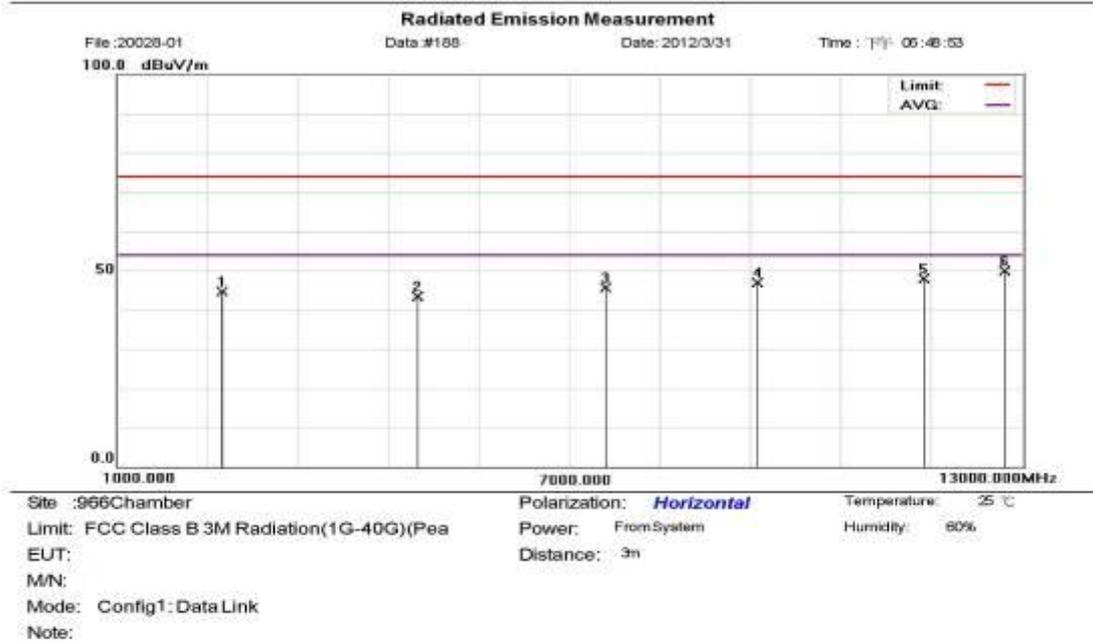
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**Above 1G
Config 1:Data Link
H**

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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		2392.000	42.46	2.14	44.60	74.00	-29.40	peak	
2		4984.000	36.57	6.72	43.29	74.00	-30.71	peak	
3		7480.000	35.99	9.54	45.53	74.00	-28.47	peak	
4		9496.000	34.71	12.23	46.94	74.00	-27.06	peak	
5		11704.00	31.26	16.72	47.98	74.00	-26.02	peak	
6	*	12784.00	30.94	18.90	49.84	74.00	-24.16	peak	

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

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File: 20028-01\Data.#188

Page: 1

Engineer Signature:

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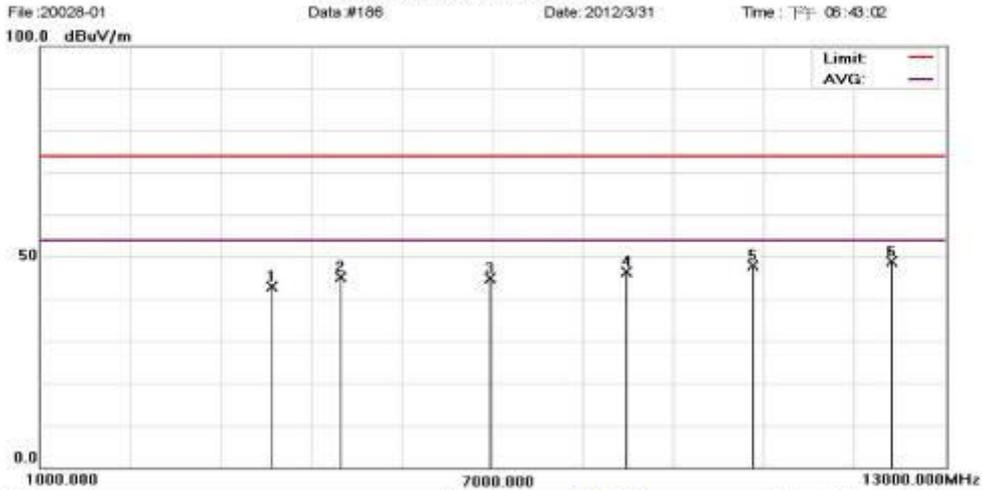
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Radiated Emission Measurement



File:20028-01 Data:#186 Date:2012/3/31 Time:下午 06:43:02
 Site :966Chamber Polarization: **Vertical** Temperature: 25 °C
 Limit: FCC Class B 3M Radiation(1G-40G)(Pea Power: FromSystem Humidity: 80%
 EUT: Distance: 3m
 MN:
 Mode: Config1: Data Link
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4072.000	37.59	5.21	42.80	74.00	-31.20	peak	
2		4984.000	38.36	6.72	45.08	74.00	-28.92	peak	
3		6976.000	35.62	9.32	44.94	74.00	-29.06	peak	
4		8776.000	35.33	11.13	46.46	74.00	-27.54	peak	
5		10456.00	33.03	14.76	47.79	74.00	-26.21	peak	
6	*	12304.00	30.97	17.84	48.81	74.00	-25.19	peak	

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File :20028-01Data :#186

Page: 1

Engineer Signature:

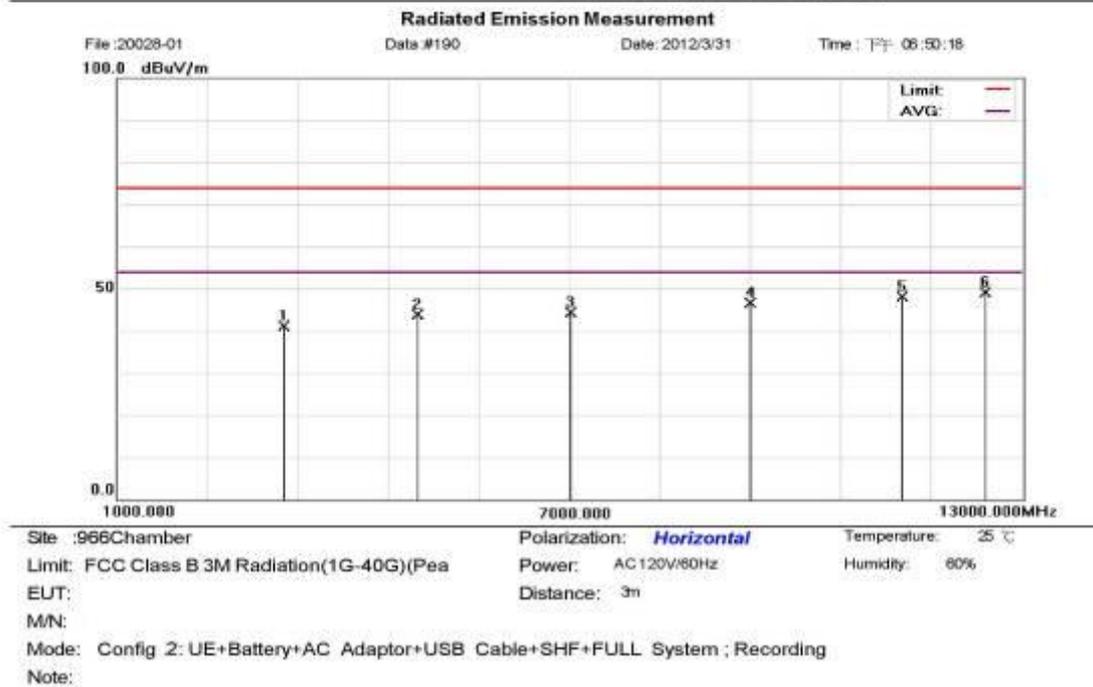
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3208.000	37.51	3.67	41.18	74.00	-32.82	peak	
2		4984.000	37.22	6.72	43.94	74.00	-30.06	peak	
3		7024.000	35.14	9.36	44.50	74.00	-29.50	peak	
4		9400.000	34.43	12.08	46.51	74.00	-27.49	peak	
5		11416.000	31.75	16.29	48.04	74.00	-25.96	peak	
6	*	12520.000	30.97	18.15	49.12	74.00	-24.88	peak	

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

●ReferenceOnly

File :20028-01\Data :#190

Page: 1

Engineer Signature:

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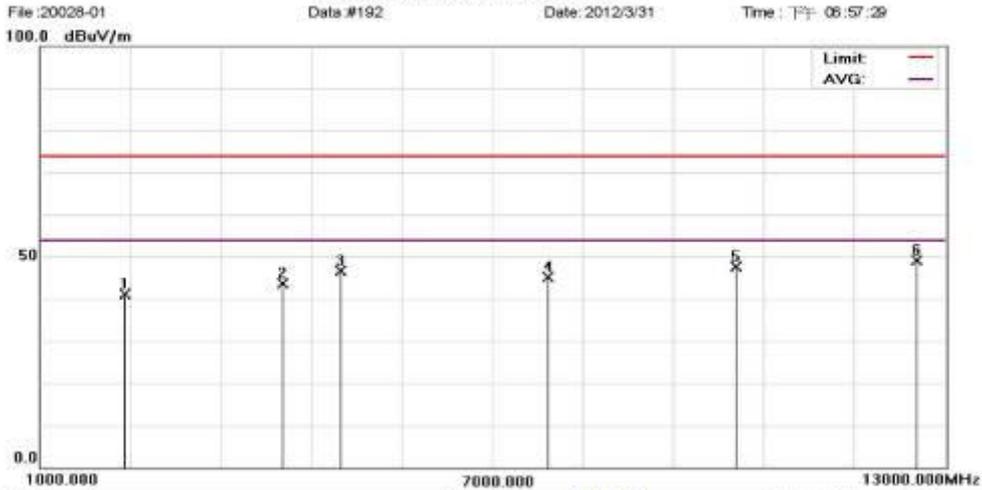
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Radiated Emission Measurement



File :20028-01 Data #192 Date: 2012/3/31 Time : 下午 08:57:29
 Site :966Chamber Polarization: **Vertical** Temperature: 25 °C
 Limit: FCC Class B 3M Radiation(1G-40G)(Pea Power: AC120V/60Hz Humidity: 80%
 EUT: Distance: 3m
 MN:
 Mode: Config 2: UE+Battery+AC Adaptor+USB Cable+SHF+FULL System ; Recording
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2128.000	39.58	1.44	41.02	74.00	-32.98	peak	
2		4216.000	38.20	5.38	43.58	74.00	-30.42	peak	
3		4984.000	39.87	6.72	46.59	74.00	-27.41	peak	
4		7744.000	35.27	9.97	45.24	74.00	-28.76	peak	
5		10240.00	33.45	14.18	47.63	74.00	-26.37	peak	
6	*	12640.00	30.52	18.51	49.03	74.00	-24.97	peak	

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

File :20028-01Data #192

Page: 1

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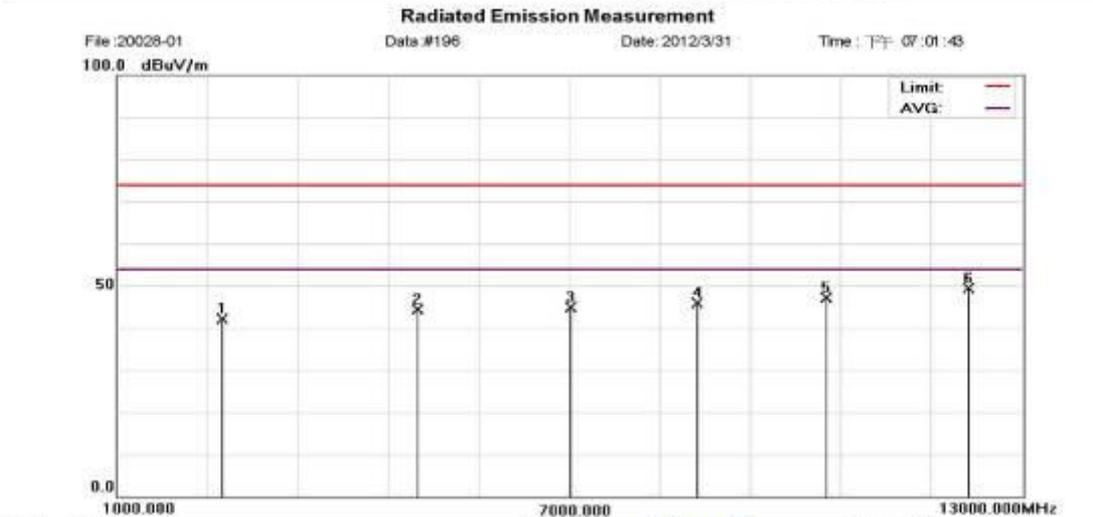
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Config 2:Play Recording H

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Site :966Chamber Polarization: **Horizontal** Temperature: 25 °C
Limit: FCC Class B 3M Radiation(1G-40G)(Pea Power: AC 120V/60Hz Humidity: 80%
EUT: Distance: 3m
M/N:
Mode: Config 2: UE+Battery+AC Adaptor+USB Cable+SHF+FULL System ; Play Recording
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2392.000	39.97	2.14	42.11	74.00	-31.89	peak	
2		4984.000	37.70	6.72	44.42	74.00	-29.58	peak	
3		7024.000	35.46	9.36	44.82	74.00	-29.18	peak	
4		8704.000	34.87	11.02	45.89	74.00	-28.11	peak	
5		10408.00	32.54	14.64	47.18	74.00	-26.82	peak	
6	*	12304.00	31.53	17.84	49.37	74.00	-24.63	peak	

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

●ReferenceOnly

File :20028-01\Data.#196

Page: 1

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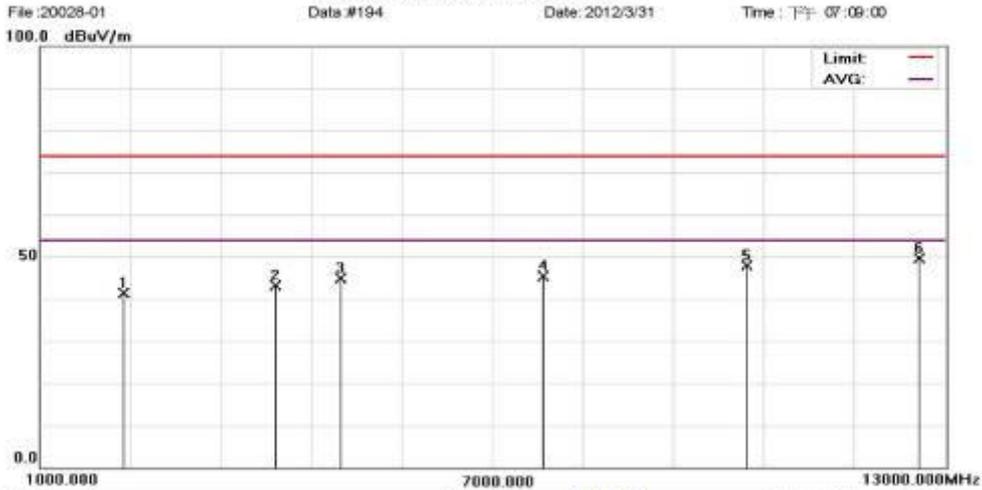
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Radiated Emission Measurement



Site :966Chamber Polarization: **Vertical** Temperature: 25 °C
 Limit: FCC Class B 3M Radiation(1G-40G)(Pea Power: AC120V/60Hz Humidity: 80%
 EUT: Distance: 3m
 MN:
 Mode: Config 2: UE+Battery+AC Adaptor+USB Cable+SHF+FULL System ; Play Recording
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2104.000	40.09	1.39	41.48	74.00	-32.52	peak	
2		4120.000	37.97	5.26	43.23	74.00	-30.77	peak	
3		4984.000	38.15	6.72	44.87	74.00	-29.13	peak	
4		7672.000	35.60	9.85	45.45	74.00	-28.55	peak	
5		10384.00	33.21	14.57	47.78	74.00	-26.22	peak	
6	*	12664.00	31.12	18.59	49.71	74.00	-24.29	peak	

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

File :20028-01>Data :#194

Page: 1

Engineer Signature:

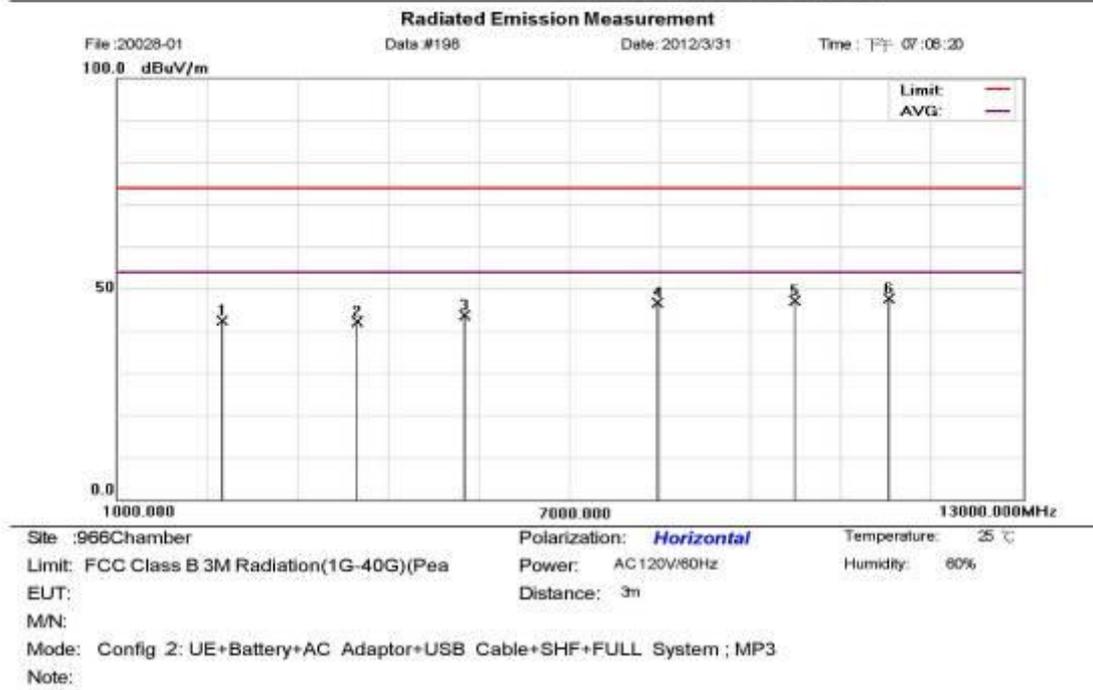
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Config 2:MP3
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2392.000	40.19	2.14	42.33	74.00	-31.67	peak	
2		4192.000	36.73	5.35	42.08	74.00	-31.92	peak	
3		5608.000	36.02	7.62	43.64	74.00	-30.36	peak	
4		8176.000	36.26	10.42	46.68	74.00	-27.32	peak	
5		10000.00	33.64	13.54	47.18	74.00	-26.82	peak	
6	*	11248.00	31.53	16.10	47.63	74.00	-26.37	peak	

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

●ReferenceOnly

File :20028-01\Data :#198

Page: 1

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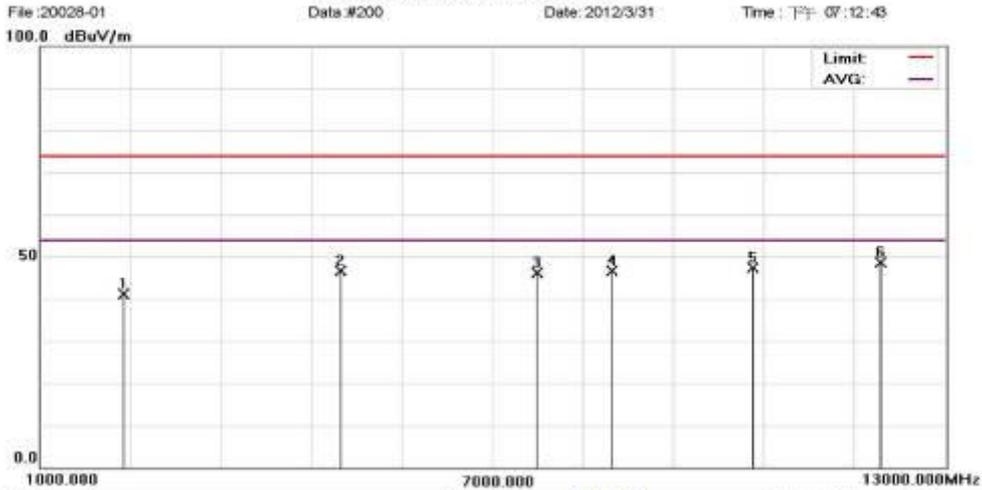
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Radiated Emission Measurement



File :20028-01 Data :#200 Date :2012/3/31 Time : 下午 07:12:48
 Site :966Chamber Polarization: **Vertical** Temperature: 25 °C
 Limit: FCC Class B 3M Radiation(1G-40G)(Pea Power: AC120V/60Hz Humidity: 80%
 EUT: Distance: 3m
 MN:
 Mode: Config 2: UE+Battery+AC Adaptor+USB Cable+SHF+FULL System ; MP3
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2104.000	39.66	1.39	41.05	74.00	-32.95	peak	
2		4984.000	39.99	6.72	46.71	74.00	-27.29	peak	
3		7600.000	36.44	9.73	46.17	74.00	-27.83	peak	
4		8584.000	35.84	10.87	46.71	74.00	-27.29	peak	
5		10456.00	32.68	14.76	47.44	74.00	-26.56	peak	
6	*	12160.00	31.07	17.55	48.62	74.00	-25.38	peak	

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

File :20028-01>Data :#200

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3. Photographs of Test

CE:

Config 1



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Config 2



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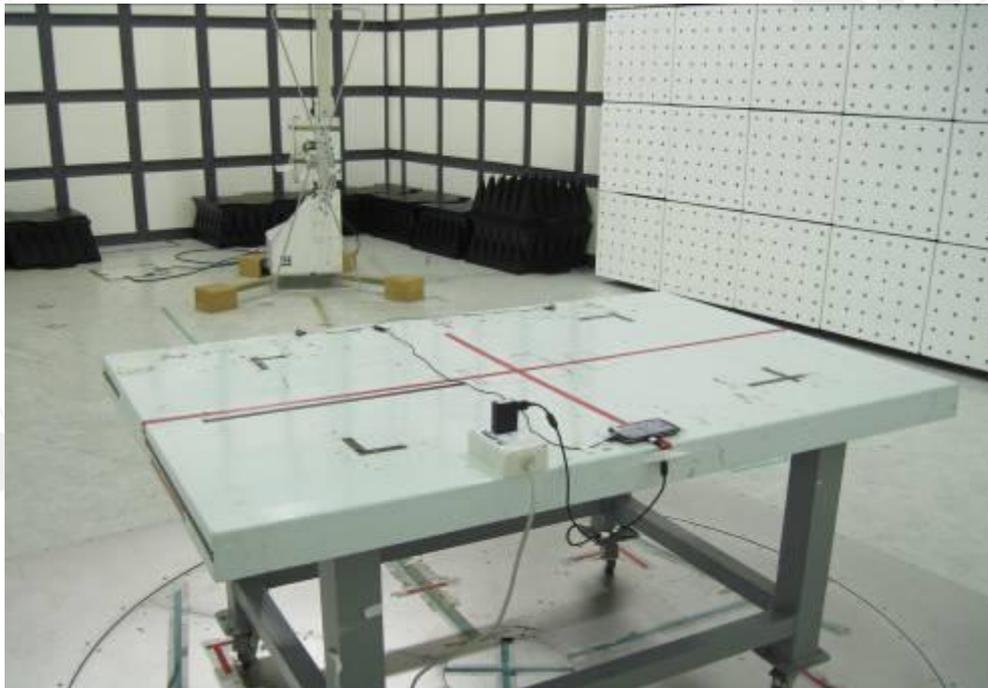
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Config 2

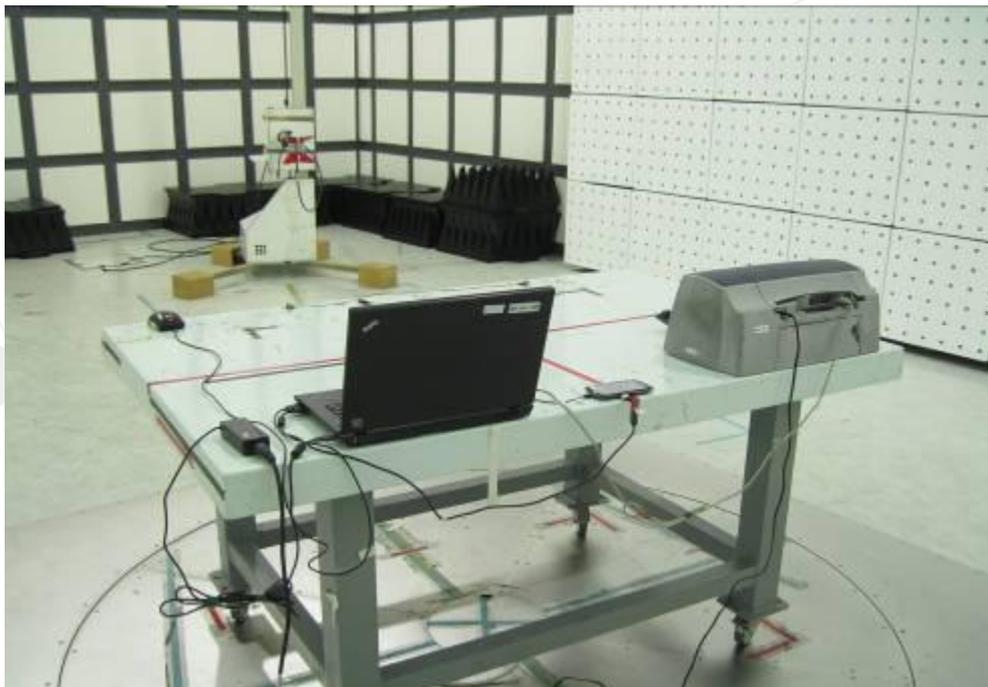
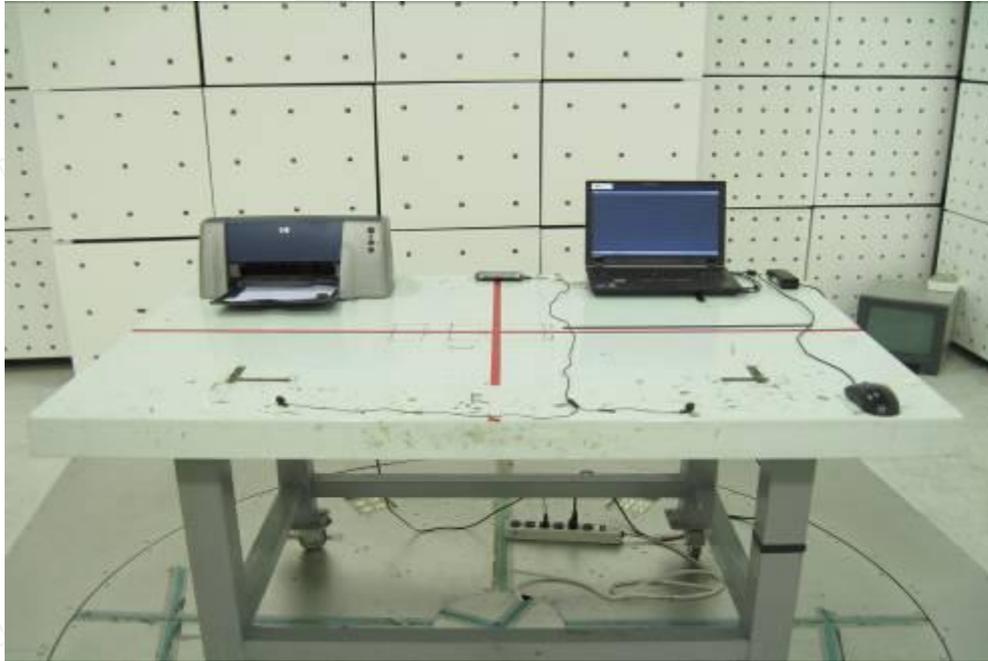


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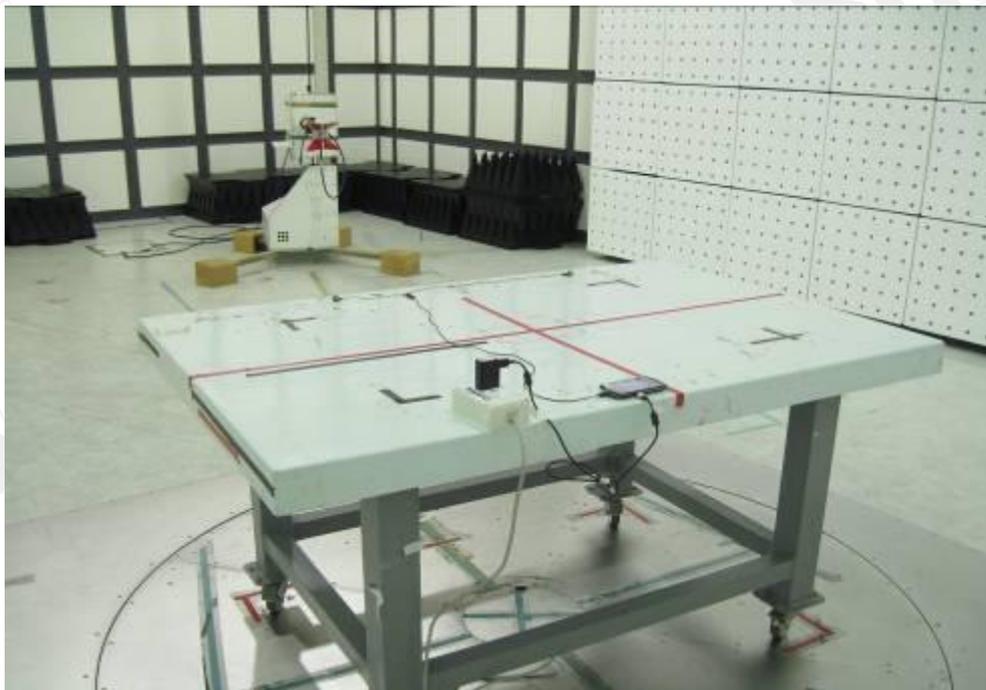
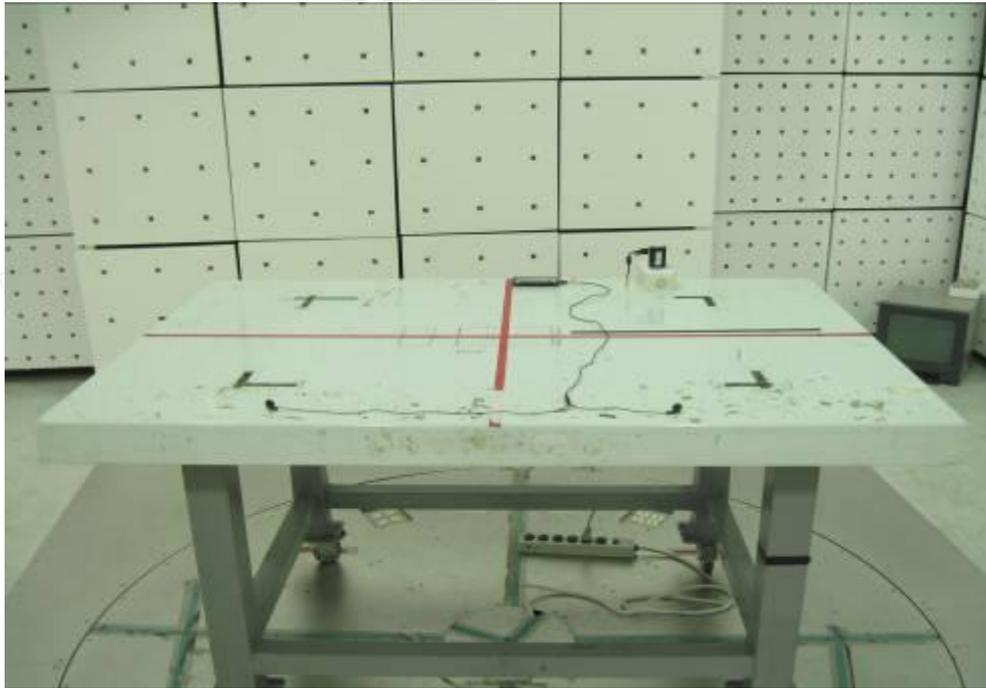
Config 1



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Config 2



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4. Photographs of Product Exterior



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Interior



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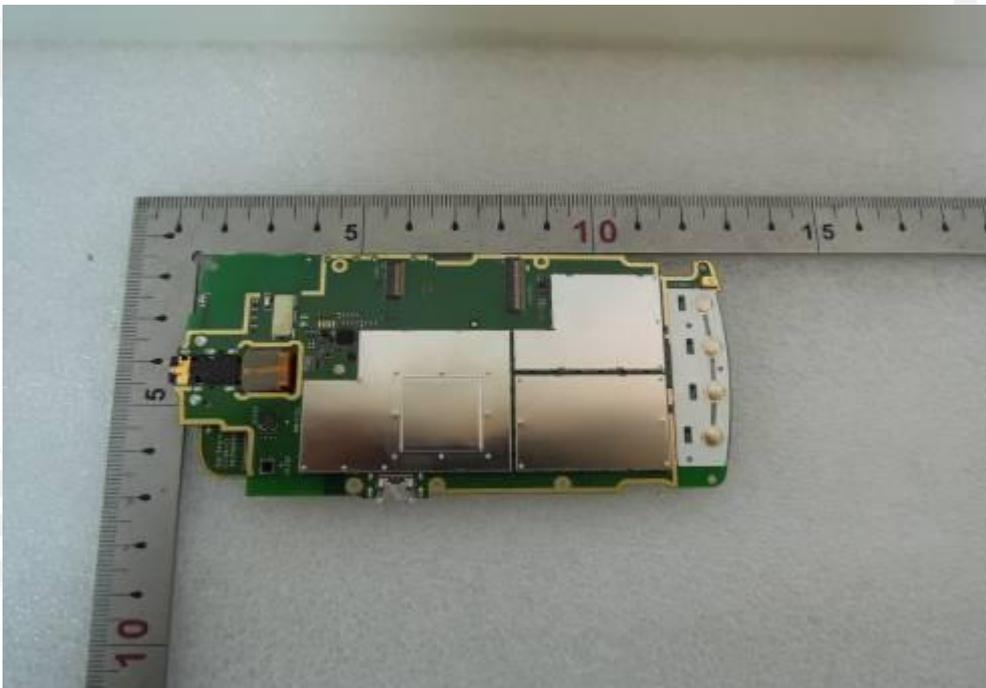
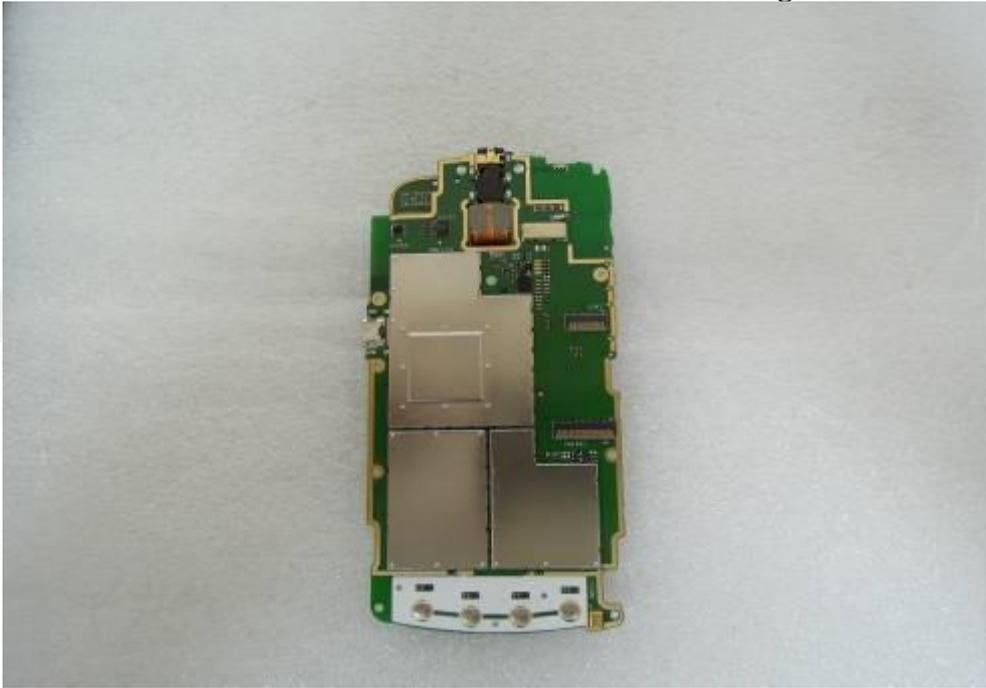
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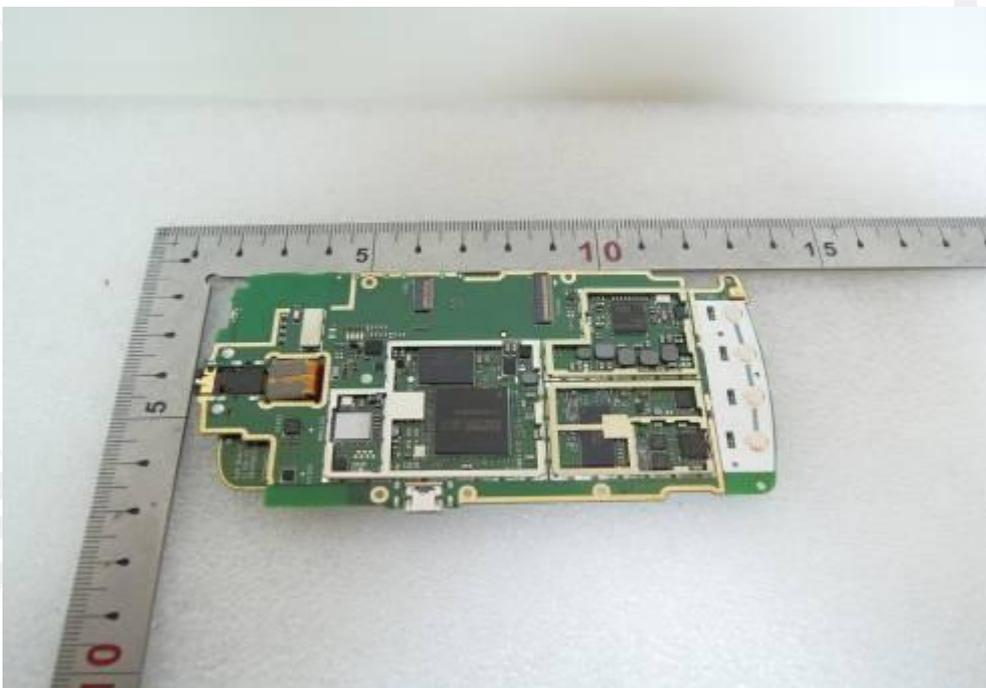
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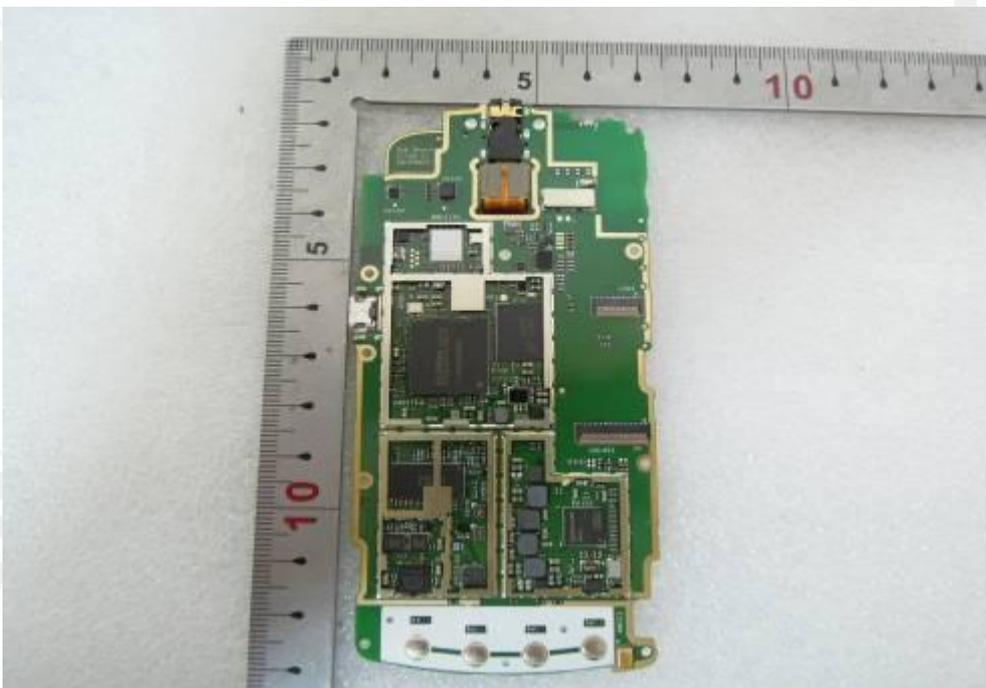
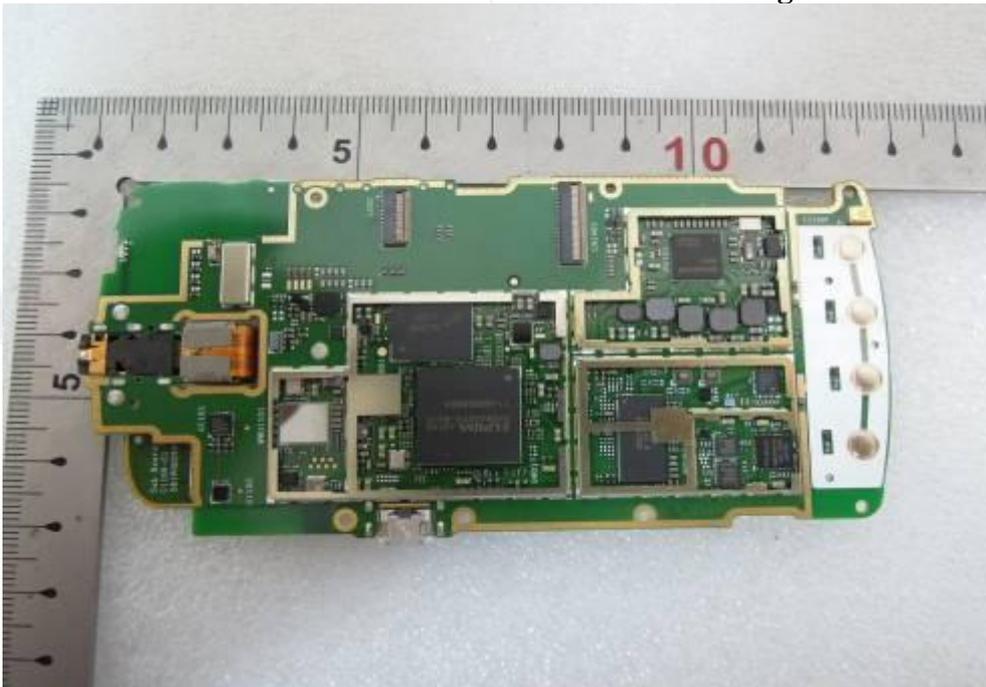
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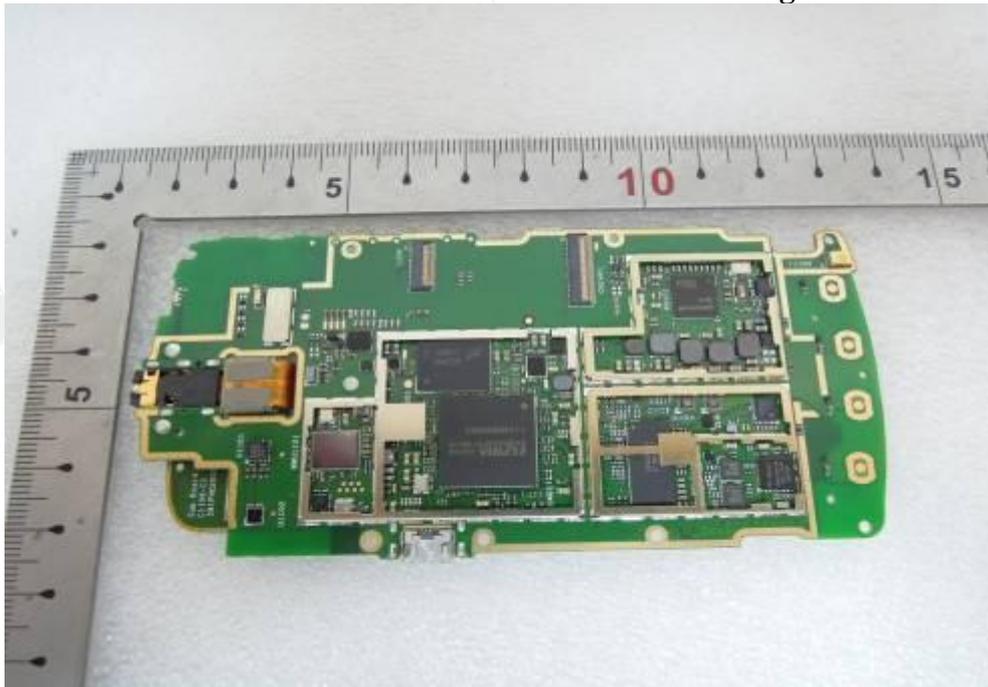
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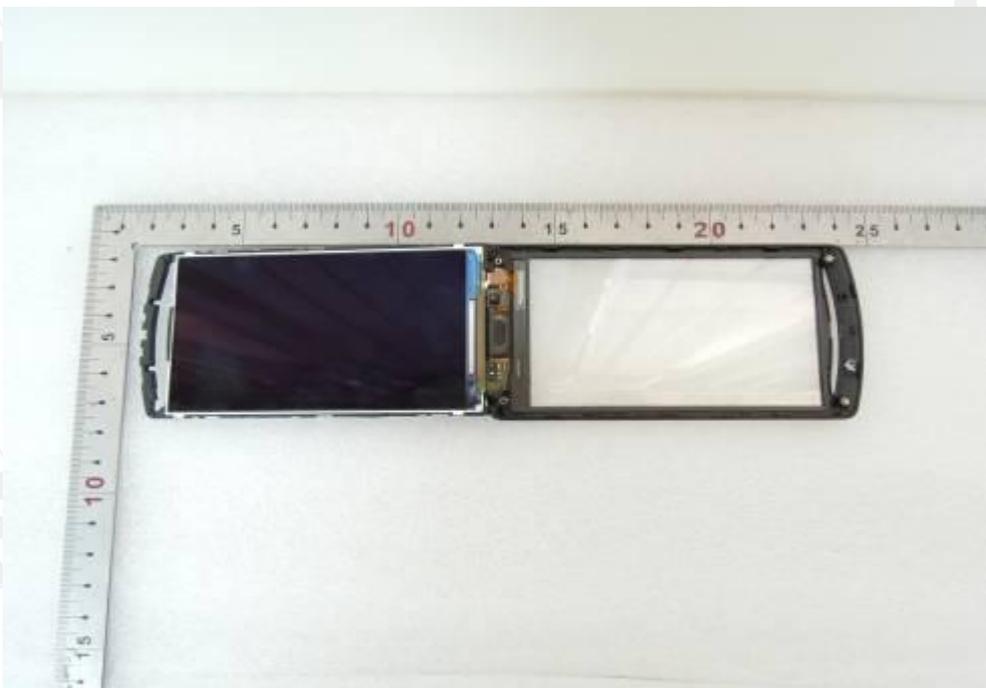
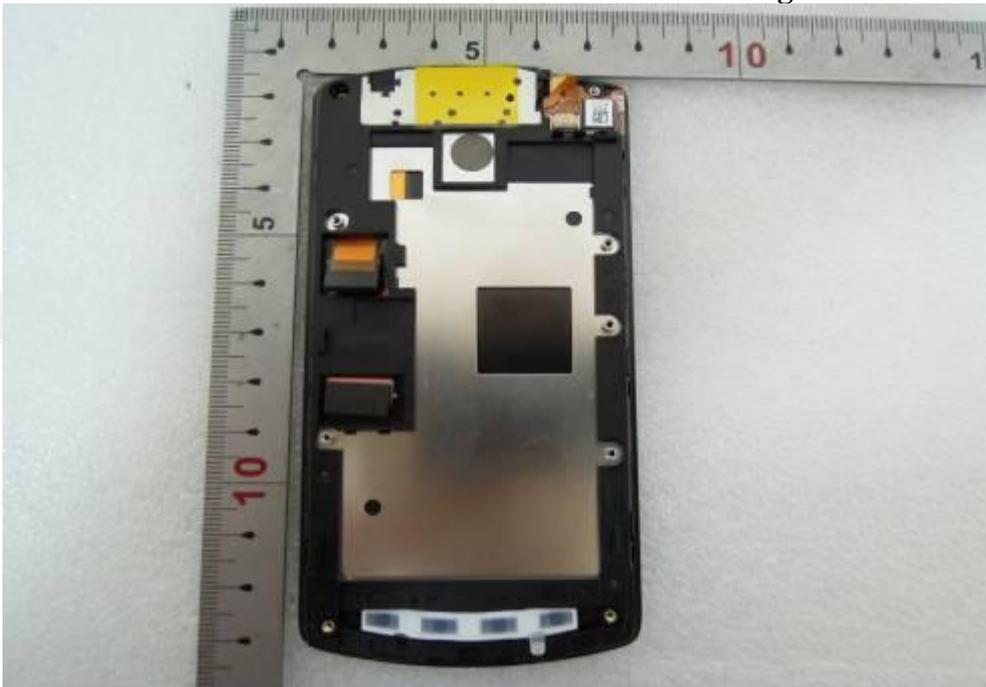
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