

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

UN-INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 15 SUBPART B REQUIREMENT AND INDUSTRY CANADA ICES-003 ISSUE 5

OF

Product Name: PDA Phone

Brand Name: Sony

Model No.: C2004

Type No.: PM-0481-BV

Model Difference: N/A

FCC ID: PY7PM-0481

IC: 4170B-PM0481

Report No.: EI/2013/60006

Issue Date: Jul. 19, 2013

FCC Rule Part: FCC Part 15:2013, Subpart B, Class B

IC Rule Part: Canada ICES-003 Issue 5(Aug. 2012)

Prepared for: Sony Mobile Communications AB
Nya Vattentornet 22188 Lund/Sweden
SGS Taiwan Ltd.
Electronics & Communication Laboratory

Prepared by: No.134, Wu Kung Road, New Taipei Industrial
Park, Wuku District, New Taipei City, Taiwan
24803

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VERIFICATION OF COMPLIANCE

Applicant: Sony Mobile Communications AB
Nya Vattentornet 22188 Lund/Sweden

Product Name: PDA Phone

Brand Name: Sony

Model No.: C2004

Type No.: PM-0481-BV

Model Difference: N/A

FCC ID: PY7PM-0481

IC: 4170B-PM0481

File Number: EI/2013/60006

Date of EUT Received: Mar. 29, 2013

Date of test: Mar. 29 ~ Jul. 12, 2013

Issue Date: Jul. 19, 2013

Standards: FCC Part 15:2013, Subpart B, Class B
Canada ICES-003 Issue 5(Aug. 2012)

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2003) and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15B, Class B. and ICES-003,issue 5. The test results of this report relate only to the tested sample identified in this report.

Tested By:

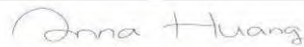


Date:

Jul. 19, 2013

Jimmy Liu / Engineer

Prepared By:

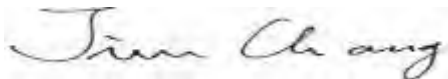


Date:

Jul. 19, 2013

Anna Huang / Clerk

Approved By:



Date:

Jul. 19, 2013

Jim Chang / Supervisor

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Version

Report Number	Revision	Description	Issue Date
EI/2013/60007	Rev.01	Initial Version	Jul. 19, 2013

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1. General Information

1.1 Product description

General:

Product Name:	PDA Phone	
Brand Name:	Sony	
Model No.:	C2004	
Type No.:	PM-0481-BV	
Model Difference:	N/A	
Data Cable (USB):	Model No.: EC450, Supplier: K-one Part No.: 1242-6715.3, Length: 100 cm	
Simple Hands-Free (SHF-White):	Model No.: MH410c, Supplier: Foster Electric Type No.: AG-1100f	
Simple Hands-Free (SHF-Black):	Model No.: MH410c, Supplier: Foster Electric Type No.: CCA-0004017	
Car Charger:	Model No.: AN400, Supplier: Salcomp Type No.: CAA-0003013	
Hi-Fi Wireless Headset:	Model No.: MW600, Supplier: BALDA Type No.: DDA-0002029.B coupling with Simple Hands Free (Model No.: MH755, Supplier: BALDA Type No.: AG-0502)	
Hardware Version:	A	
Software Version:	15.2.A.0.17	
Power Supply:	3.7Vdc	
	Battery:	Model No.: BA900, Supplier: Sony Type No.: AB-0500
	Adapter:	Model No.: EP800, Supplier: Salcomp Type No.: CAA-0002016-US
IMEI:	00440214-672281-8	

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Bluetooth_BR+EDR:

Bluetooth Version:	V3.0+HS
Channel number:	79 channels
Modulation type:	Frequency Hopping Spread Spectrum
Transmit Power:	10.11dBm
Frequency Range:	2.402GHz – 2.480GHz
Dwell Time:	<= 0.4s
Antenna Designation:	PIFA Antenna, Gain: 2.55dBi
Type of Emission:	915KF7D (GFSK) / 1M15G7D (π/4DQPSK) /1M20G7D (8DPSK)

The EUT is compliance for Bluetooth function
For more detail please refer to report No.: EH/2013/70023

Bluetooth Low Energy:

Frequency Range:	2402 – 2480MHz
Bluetooth Version:	V4.0 Dual mode
Channel number:	40 channels
Modulation type:	GFSK
Transmit Power:	1.24dBm (Peak)
Antenna Designation:	PIFA Antenna, Gain: 2.55dBi
Type of Emission:	1M05F7D

The EUT is compliance for Bluetooth V4.0 function
For more detail please refer to report No.: EH/2013/70024

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NFC:

Operating Frequency	13.56MHz
Transmit Power	< 123dBuV/m at 3m.
Number of Channels	1
Antenna Type	Loop Antenna
Modulation Type	ASK, BPSK
Type of Emission:	15K0F1D

The EUT is compliance for NFC Standard.

For more detail please refer to report No.: EH/2013/70022

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WLAN 2.4GHz+5.7GHz:

Wi-Fi	Frequency Range	Channels	Rated Power	Modulation Technology	Type of Emission
11b/g	2412-2462	11	b: 17.27dBm g: 20.82dBm	DSSS, OFDM	b: 13M5G1D g: 16M6D1D
11n	HT20 2412-2462	11	HT20: 20.84dBm	OFDM	n: 17M8D1D
11a	5725-5850	5	a: 19.54dBm	OFDM	a: 16M7D1D
11n (5GHz)	HT20 5725-5850	5	HT20: 19.62dBm		n_20HT:17M8D1D
11n (5GHz)	HT40 5725-5850	2	HT40: 19.18dBm		n_40HT:36M0D1D
Antenna Designation:		PIFA Antenna, 2.4GHz Gain: 2.55dBi 5GHz Gain: 1.66dBi (5725MHz-5850MHz)			
Modulation type:		CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM			
Transition Rate:		802.11 a: 6/9/12/18/24/36/48/54 Mbps 802.11 b: 1/2/5.5/11 Mbps 802.11 g: 6/9/12/18/24/36/48/54 Mbps 802.11 n_20MHz: 6.5 – 65.0Mbps 802.11 n_40MHz: 13.5 – 135.0Mbps			

The EUT is compliance for IEEE 802.11 a/b/g/n Standard.
For more detail please refer to report No.: EH/2013/70025

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WLAN 5GHz

Wi-Fi	Frequency Range	Channels	Rated Power (Avg)	Rated Power (EIRP)	Modulation Technology	Type of Emission
11a	5150~5250	4	12.77dBm	12.03dBm	OFDM	16M7D1D
	5250~5350	4	12.78dBm	13.79dBm		16M7D1D
	5470~5725	11	12.87dBm	15.57dBm		16M6D1D
11n	HT20 5150~5250	4	HT20: 12.85dBm	HT20: 12.11dBm	OFDM	17M7D1D
	HT20 5250~5350	4	HT20: 12.84dBm	HT20: 13.85dBm		17M8D1D
	HT20 5470~5725	8	HT20: 12.88dBm	HT20: 15.58dBm		17M7D1D
11n	HT40 5150~5250	2	HT40: 11.76dBm	HT40: 11.05dBm	OFDM	36M1D1D
	HT40 5250~5350	2	HT40: 11.79dBm	HT40: 12.80dBm		36M1D1D
	HT40 5470~5725	3	HT40: 11.87dBm	HT40: 14.57dBm		36M0D1D
Antenna Designation	PIFA Antenna, 5GHz Gain: -0.74dBi (5150MHz-5250MHz) 5GHz Gain: 1.01dBi (5250MHz-5350MHz) 5GHz Gain: 2.70dBi (5470MHz-5725MHz)					
Modulation type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM					
Transition Rate:	802.11 a: 6/9/12/18/24/36/48/54 Mbps 802.11 n_20MHz: 6.5 – 65.0Mbps 802.11 n_40MHz: 13.5 – 135.0Mbps					

The EUT is compliance for IEEE 802.11 a/n_HT20/n_HT40 Standard.
For more detail please refer to report No.: EH/2013/70026

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GSM / WCDMA:

Cellular Phone Standards Frequency Range and Power.	Operating Frequency		Rated Power
	GSM/GPRS 850, Class 12	824.2 MHz– 848.8 MHz	33dBm
	EDGE 850, Class 12	824.2 MHz– 848.8 MHz	27dBm
	GSM/GPRS 1900, Class 12	1850.2MHz – 1909.8MHz	30dBm
	EDGE 1900, Class 12	1850.2MHz – 1909.8MHz	26dBm
	WCDMA/HSUPA/HSDPA /HSPA+ Band II	1852.4MHz – 1907.6MHz	24dBm
	WCDMA/HSUPA/HSDPA /HSPA+ Band IV	1712.4MHz – 1752.6MHz	24dBm
	WCDMA/HSUPA/HSDPA /HSPA+ Band V	826.4MHz - 846.6MHz	24dBm
Type of Emission:	GSM 850: 248KGXW, GSM 1900: 247KGXW GPRS 850: 247KGXW, GPRS 1900: 247KGXW EDGE 850: 244KG7W, EDGE 1900: 242KG7W WCDMA Band II: 4M20F9W, WCDMA Band IV: 4M16F9W, WCDMA Band V: 4M26F9W HSDPA Band II: 4M22F9W, HSDPA Band IV: 4M23F9W, HSDPA Band V: 4M17F9W HSUPA Band II: 4M20F9W, HSUPA Band IV: 4M25F9W, HSUPA Band V: 4M27F9W		

This report applies for 850 /1900 GSM / GPRS / EDGE, WCDMA / HSDPA / HSUPA/HSPA+ Band II/IV/V.

For more detail please refer to report No.: EH/2013/70028

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1.2 Test Plan

Test Plan:

C2004		Config 1	Config 2
	Applicable standard (FCC 15B)		
	Accessories	UE + Battery(BA 900) + USB Cable (EC450) + SHF (MH410C)	UE + Battery(BA 900) + AC Adaptor (EP 800) + USB Cable (EC450) + SHF(MH410C)
		DATA Link	CAMERA
		DATA Link + Idle	FULL SYSTEM + Idle
	Description		
	radiated emission	DATA Link	Recording & Play recording & MP3
	conducted emission (AC Power)	DATA Link	Recording & Play recording & MP3

* Test configuration by client

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1.3 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.

1.4 Description of Support Units

PRODUCT	MANUFACTURER	MODEL NO.	SERIAL NO.
NOTEBOOK	IBM	L412	LR-ZYMYC
Printer	HP	DJ3820	CN34L181B1
Mouse	Lenovo	LXB M028UOA USB	45J48881

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1.5 Modification List

No modification by SGS Taiwan Electronics & Communication Laboratory.

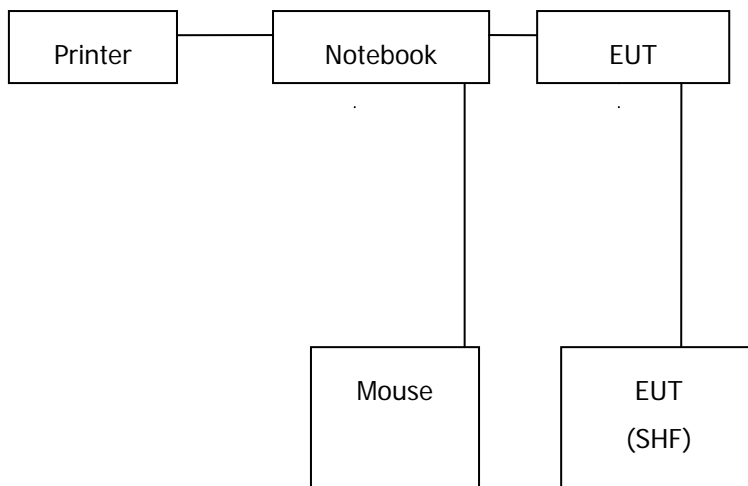
1.6 Cable List

Cable Type	Length	Shield/Non-shield
Data Cable (USB) with 2 cores near EUT, near Adapter	1.0m	Non-shielding
Simple Hands-Free (SHF)	1.8m	Non-shielding

1.7 Test Set-Up Configuration

Config1

Data Link mode

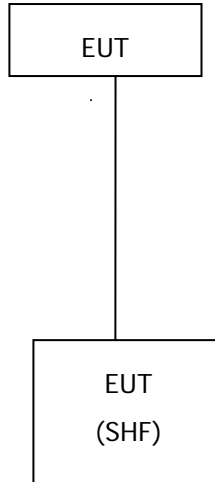


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Config2
MP3 mode
Recording mode
Play recording



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1.8 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.

The measurement facilities used to collect the 3m Radiated Emission and AC power line conducted data are located on the address of SGS Taiwan Ltd. Electronics & Communication Laboratory No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 which are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2003. FCC Registration Number: TW0513.

1.9 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

1.10 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	Conducted Emission	PASS	Line	3.4726	-8.42(PEAK)
			Neutral	3.5195	-10.54(AVG)
	Radiated Emission	PASS	Ver.	31.2800	-13.00(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. 22, 2012	Sep. 21, 2013
Coaxial Cables	N/A	WK CE Cable	WK CE Cable	Nov. 26, 2012	Nov. 25, 2013
L.I.S.N	Rolf-Heine	NNB-2/16Z	99012	Mar. 22, 2013	Mar. 21, 2014
L.I.S.N	FCC	FCC-LISN-50/ 250-25-2-01	04034	Mar. 22, 2013	Mar. 21, 2014
Software	Farad	EZ-EMC-VER 2A1.1(USB)	N/A	N/A	N/A

2.4.2 Test Site

SGS Taiwan LTD. Electronics & Communication Laboratory
 NO.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City,
 Taiwan 24803

2.4.3 Operating Environment

Temperature: 26 degree C

Humidity : 60 %RH

Atmospheric Pressure : 996 mBar

2.4.4 Uncertainty of Conducted Emission

The SGS U_{lab} is 1.06dB.(For 150kHz-30MHz)

This U_{lab} uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

2.4.5 Measurement level and Factor calculate method

Factor = LISN insertion loss + Cable loss

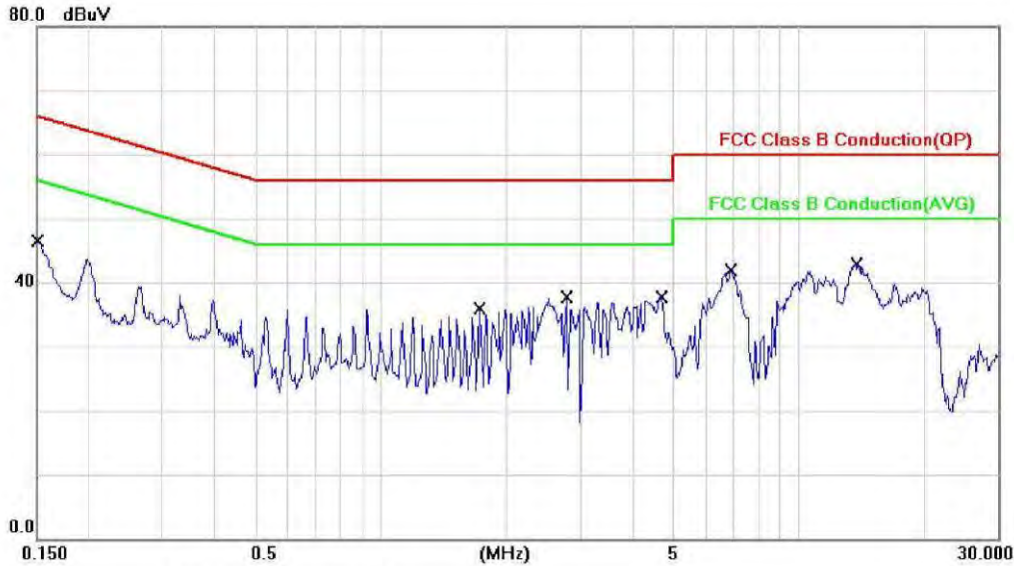
Measurement Level = Reading Level + Factor

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2.4.6 Measurement Data

Operation Mode:	Config 1 Data Link Mode	Test Date:	Apr. 04, 2013
Tested By:	Eddy Cheng	Pol.:	L1

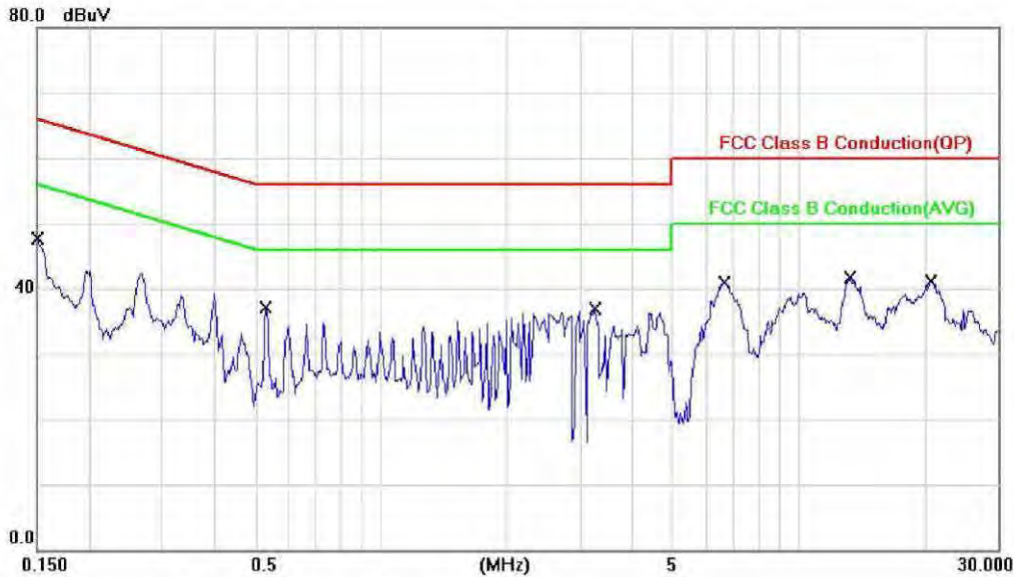


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1500	46.23	0.25	46.48	66.00	-19.52	QP	
2		1.7227	35.72	0.26	35.98	56.00	-20.02	QP	
3		2.7813	37.44	0.28	37.72	56.00	-18.28	QP	
4		4.7031	37.37	0.33	37.70	56.00	-18.30	QP	
5		6.8906	41.56	0.37	41.93	60.00	-18.07	QP	
6	*	13.7227	42.30	0.60	42.90	60.00	-17.10	QP	

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Operation Mode:	Config 1 Data Link Mode	Test Date:	Apr. 04, 2013
Tested By:	Eddy Cheng	Pol.:	N

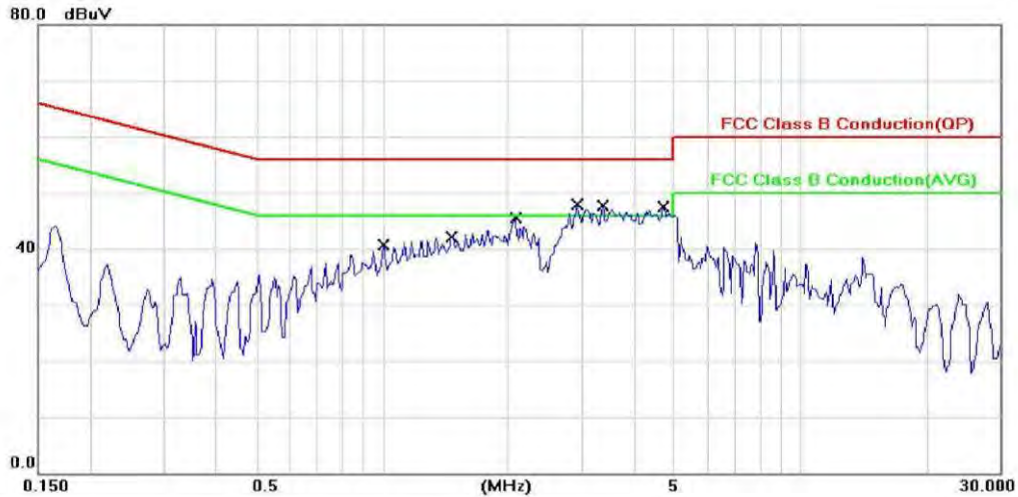


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1500	47.31	0.35	47.66	66.00	-18.34	QP	
2		0.5313	36.79	0.33	37.12	56.00	-18.88	QP	
3		3.2578	36.56	0.35	36.91	56.00	-19.09	QP	
4		6.6484	40.46	0.41	40.87	60.00	-19.13	QP	
5		13.2667	41.06	0.57	41.63	60.00	-18.37	QP	
6		20.7038	40.35	0.79	41.14	60.00	-18.86	QP	

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Operation Mode:	Config 2 Recording Mode	Test Date:	Apr. 04, 2013
Tested By:	Eddy Cheng	Pol.:	L1

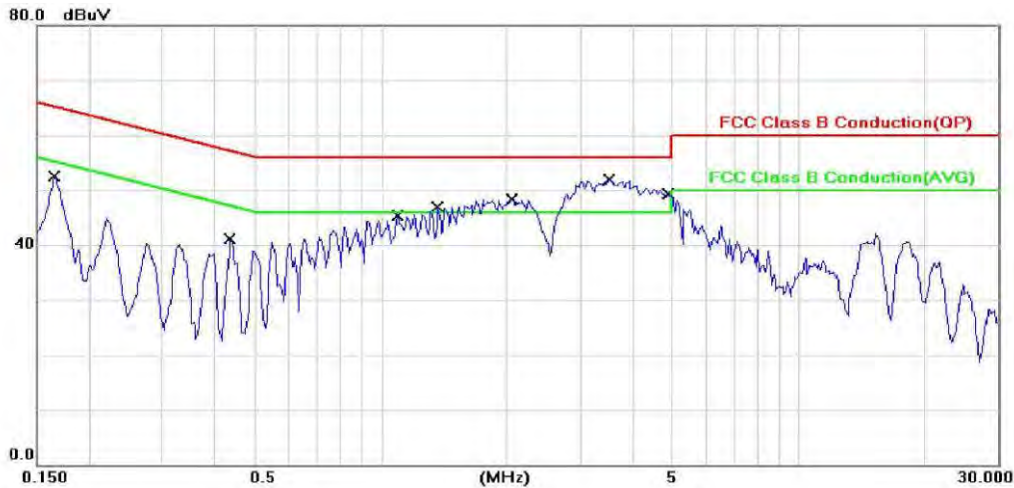


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		1.0078	34.10	0.24	34.34	56.00	-21.66	QP	
2		1.0078	22.30	0.24	22.54	46.00	-23.46	AVG	
3		1.4688	34.40	0.25	34.65	56.00	-21.35	QP	
4		1.4688	24.00	0.25	24.25	46.00	-21.75	AVG	
5		2.0781	37.20	0.27	37.47	56.00	-18.53	QP	
6		2.0781	26.60	0.27	26.87	46.00	-19.13	AVG	
7		2.9180	40.10	0.28	40.38	56.00	-15.62	QP	
8		2.9180	31.80	0.28	32.08	46.00	-13.92	AVG	
9		3.3672	40.40	0.29	40.69	56.00	-15.31	QP	
10	*	3.3672	36.40	0.29	36.69	46.00	-9.31	AVG	
11		4.7070	37.40	0.33	37.73	56.00	-18.27	QP	
12		4.7070	29.10	0.33	29.43	46.00	-16.57	AVG	

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Operation Mode:	Config 2 Recording Mode	Test Date:	Apr. 04, 2013
Tested By:	Eddy Cheng	Pol.:	N

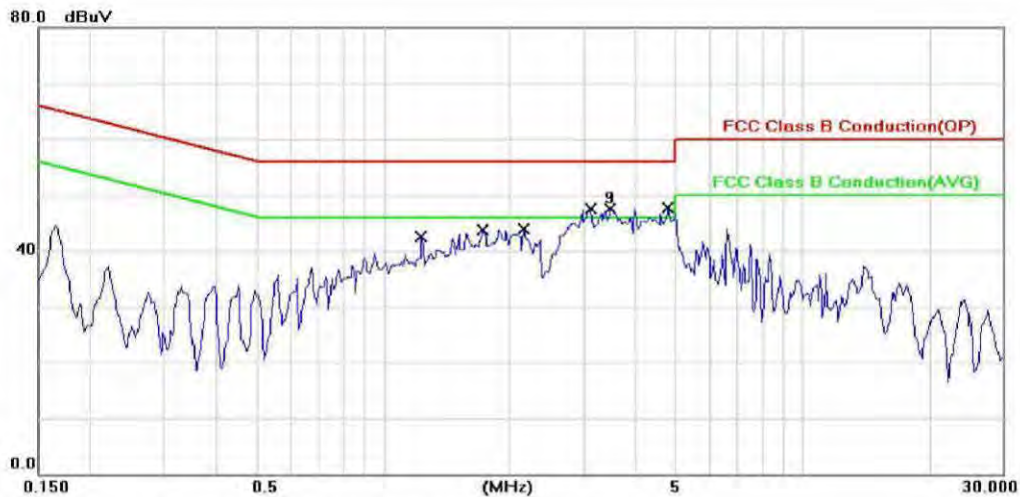


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1666	46.30	0.34	46.64	65.13	-18.49	QP	
2		0.1666	33.30	0.34	33.64	55.13	-21.49	AVG	
3		0.4351	40.70	0.35	41.05	57.15	-16.10	QP	
4		1.0988	39.90	0.33	40.23	56.00	-15.77	QP	
5		1.0988	27.70	0.33	28.03	46.00	-17.97	AVG	
6		1.3672	42.50	0.33	42.83	56.00	-13.17	QP	
7		1.3672	29.00	0.33	29.33	46.00	-16.67	AVG	
8		2.0586	41.90	0.35	42.25	56.00	-13.75	QP	
9		2.0586	30.20	0.35	30.55	46.00	-15.45	AVG	
10		3.5195	44.60	0.36	44.96	56.00	-11.04	QP	
11	*	3.5195	35.10	0.36	35.46	46.00	-10.54	AVG	
12		4.8555	42.70	0.38	43.08	56.00	-12.92	QP	
13		4.8555	32.40	0.38	32.78	46.00	-13.22	AVG	

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Operation Mode:	Config 2 Play Recording Mode	Test Date:	Apr. 04, 2013
Tested By:	Eddy Cheng	Pol.:	L



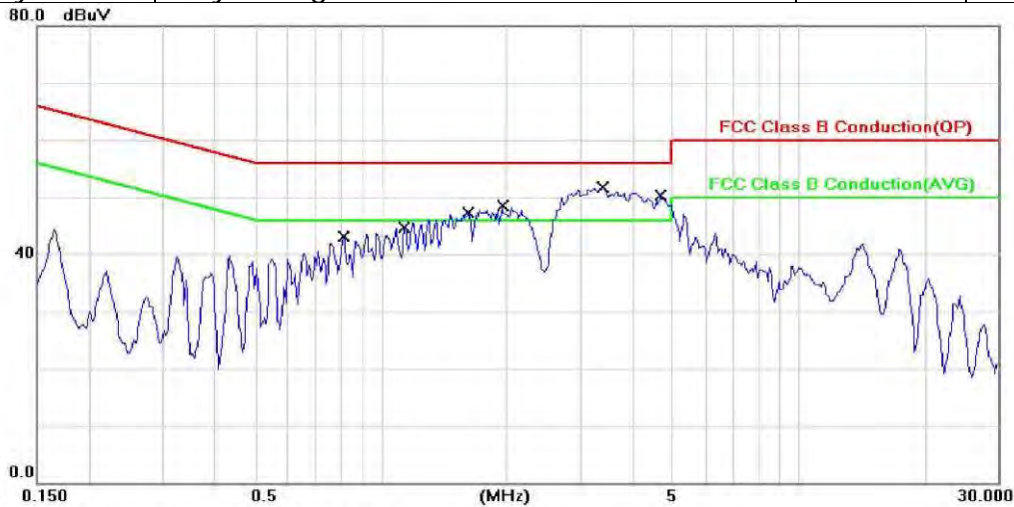
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		1.2344	36.60	0.24	36.84	56.00	-19.16	QP	
2		1.2344	24.40	0.24	24.64	46.00	-21.36	AVG	
3		1.7344	37.80	0.26	38.06	56.00	-17.94	QP	
4		1.7344	27.30	0.26	27.56	46.00	-18.44	AVG	
5		2.1602	35.70	0.27	35.97	56.00	-20.03	QP	
6		2.1602	25.80	0.27	26.07	46.00	-19.93	AVG	
7		3.1094	39.20	0.29	39.49	56.00	-16.51	QP	
8		3.1094	31.10	0.29	31.39	46.00	-14.61	AVG	
9	*	3.4726	47.29	0.29	47.58	56.00	-8.42	peak	
10		3.4726	39.70	0.29	39.99	56.00	-16.01	QP	
11		3.4726	31.70	0.29	31.99	46.00	-14.01	AVG	
12		4.7852	37.30	0.33	37.63	56.00	-18.37	QP	
13		4.7852	28.90	0.33	29.23	46.00	-16.77	AVG	

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Operation Mode:	Config 2 Play Recording Mode	Test Date:	Apr. 04, 2013
Tested By:	Eddy Cheng	Pol.:	N

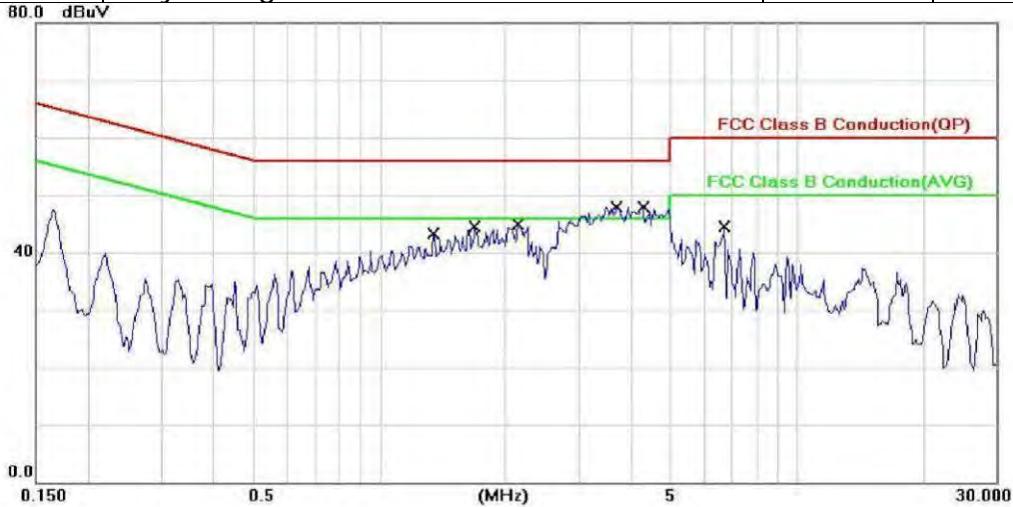


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.8164	39.90	0.33	40.23	56.00	-15.77	QP	
2		0.8164	25.80	0.33	26.13	46.00	-19.87	AVG	
3		1.1367	40.00	0.33	40.33	56.00	-15.67	QP	
4		1.1367	26.50	0.33	26.83	46.00	-19.17	AVG	
5		1.6250	42.20	0.35	42.55	56.00	-13.45	QP	
6		1.6250	31.10	0.35	31.45	46.00	-14.55	AVG	
7		1.9531	42.00	0.35	42.35	56.00	-13.65	QP	
8		1.9531	30.90	0.35	31.25	46.00	-14.75	AVG	
9		3.3867	44.00	0.35	44.35	56.00	-11.65	QP	
10	*	3.3867	34.50	0.35	34.85	46.00	-11.15	AVG	
11		4.6720	42.60	0.38	42.98	56.00	-13.02	QP	
12		4.6720	32.30	0.38	32.68	46.00	-13.32	AVG	

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Operation Mode:	Config 2 MP3 Mode	Test Date:	Apr. 04, 2013
Tested By:	Eddy Cheng	Pol.:	L1

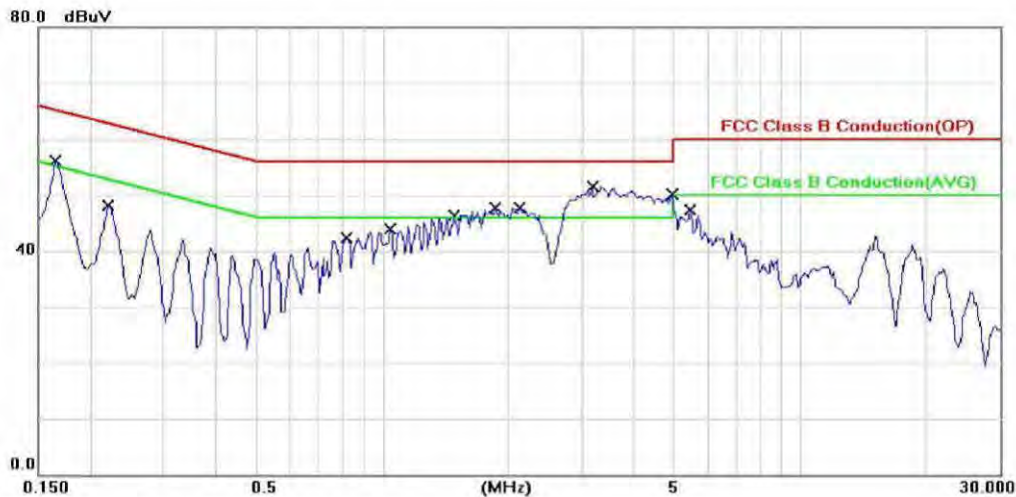


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		1.3516	36.70	0.25	36.95	56.00	-19.05	QP	
2		1.3516	24.30	0.25	24.55	46.00	-21.45	AVG	
3		1.6953	36.40	0.26	36.66	56.00	-19.34	QP	
4		1.6953	25.10	0.26	25.36	46.00	-20.64	AVG	
5		2.1523	35.20	0.27	35.47	56.00	-20.53	QP	
6		2.1523	25.80	0.27	26.07	46.00	-19.93	AVG	
7		3.7070	39.70	0.31	40.01	56.00	-15.99	QP	
8	*	3.7070	31.60	0.31	31.91	46.00	-14.09	AVG	
9		4.2695	38.50	0.31	38.81	56.00	-17.19	QP	
10		4.2695	30.40	0.31	30.71	46.00	-15.29	AVG	
11		6.7148	32.40	0.37	32.77	60.00	-27.23	QP	
12		6.7148	22.20	0.37	22.57	50.00	-27.43	AVG	

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Operation Mode:	Config 2 MP3 Mode	Test Date:	Apr. 04, 2013
Tested By:	Eddy Cheng	Pol.:	N



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1672	47.50	0.34	47.84	65.10	-17.26	QP	
2		0.1672	34.50	0.34	34.84	55.10	-20.26	AVG	
3		0.2203	39.80	0.32	40.12	62.81	-22.69	QP	
4		0.2203	26.80	0.32	27.12	52.81	-25.69	AVG	
5		0.8203	39.50	0.33	39.83	56.00	-16.17	QP	
6		0.8203	25.70	0.33	26.03	46.00	-19.97	AVG	
7		1.0430	40.40	0.33	40.73	56.00	-15.27	QP	
8		1.0430	27.70	0.33	28.03	46.00	-17.97	AVG	
9		1.4844	40.90	0.33	41.23	56.00	-14.77	QP	
10		1.4844	28.80	0.33	29.13	46.00	-16.87	AVG	
11		1.8633	42.30	0.35	42.65	56.00	-13.35	QP	
12		1.8633	31.00	0.35	31.35	46.00	-14.65	AVG	
13		2.1290	42.40	0.35	42.75	56.00	-13.25	QP	

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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
14		2.1290	31.00	0.35	31.35	46.00	-14.65	AVG	
15		3.1758	44.90	0.35	45.25	56.00	-10.75	QP	
16	*	3.1758	35.10	0.35	35.45	46.00	-10.55	AVG	
17		4.9258	42.50	0.38	42.88	56.00	-13.12	QP	
18		4.9258	32.20	0.38	32.58	46.00	-13.42	AVG	
19		5.4531	40.00	0.39	40.39	60.00	-19.61	QP	
20		5.4531	30.10	0.39	30.49	50.00	-19.51	AVG	

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2.5 Test of Radiated Emission

2.5.1 Test Instruments

Below 1GHz & Above 1GHz

Description	Manufacturer	Model No.	Serial No.	Last Calibration Date	Next Calibration Date
Site NSA	Chamost	966II Chamber	N/A	Dec. 30, 2012	Dec. 29, 2013
Site VSWR	Chamost	966II Chamber	N/A	Dec. 30, 2012	Dec. 29, 2013
EMI Test Receiver	ROHDE&SCHWARZ	ESCI 7	100760	May 25, 2012	May 24, 2013
Spectrum Analyzer	ROHDE&SCHWARZ	FSP 40	100034	May 24, 2012	May 23, 2013
RF-Amplifier (0.1-1300MHz)	HP	8447D	1937A02774	Nov. 26, 2012	Nov. 25, 2013
RF-Amplifier (1-26.5GHz)	HP	8449B	3008A00578	Nov. 26, 2012	Nov. 25, 2013
RF-Amplifier (26-40GHz)	EM Electronics Corp.	EM26400	N/A	Jan. 29, 2013	Jan. 28, 2014
Coaxial Cables (For 9kHz~3GHz)	HUBER SUHNER	SUCCOFLEX 104PEA	N/A	Nov. 26, 2012	Nov. 25, 2013
Coaxial Cables (For 9kHz~26.5GHz)	HUBER SUHNER	SUCCOFLEX 104PEA	N/A	Nov. 26, 2012	Nov. 25, 2013
Re Cables (966II) (For 1~40GHz)	HUBER SUHNER	SUCCOFLEX 102	22962/2	Nov. 26, 2012	Nov. 25, 2013
Re Cables (966II) (For 1~40GHz)	HUBER SUHNER	SUCCOFLEX 102	23051/2	Nov. 26, 2012	Nov. 25, 2013
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
Broadband Antenna	SCHWAZBECK	VULB9168	VULB9168-298	Nov. 01, 2012	Oct. 31, 2013
Horn Antenna (For 1~18G)	ETS-Lindgren	3117	00135200	Oct. 05, 2012	Oct. 04, 2013
Horn Antenna (For 18~40G)	SCHWAZBECK	BBHA 9170	BBHA9170184	Jan. 28, 2013	Jan. 27, 2014
Software	Farad	EZ-EMC-VER 2A1.1(USB)	N/A	N/A	N/A

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SGS 966 Chamber No.II					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI 7	100760	May 27, 2013	May 26, 2014
Spectrum Analyzer	R&S	FSV 40	101058	Jan. 28, 2013	Jan. 27, 2014
Broadband Antenna	SCHWAZBECK	VULB9168	VULB9168-298	Nov. 01, 2012	Oct. 31, 2013
Horn Antenna	ETS-Lindgren	3117	00135200	Oct. 05, 2012	Oct. 04, 2013
Horn Antenna	SCHWAZBECK	BBHA 9170	BBHA9170184	Jan. 28, 2013	Jan. 27, 2014
Pre-Amplifier	HP	8447D	1937A02774	Nov. 26, 2012	Nov. 25, 2013
Pre-Amplifier	HP	8449B	3008A00578	Nov. 26, 2012	Nov. 25, 2013
Pre-Amplifier	EM Electronics Corp.	EM26400	N/A	Jan. 29, 2013	Jan. 28, 2014
Coaxial Cable	Huber+Suhner	SUCCOFLEX 104PEA	N/A	Nov. 26, 2012	Nov. 25, 2013
Coaxial Cable	Huber+Suhner	SUCCOFLEX 104PEA	N/A	Nov. 26, 2012	Nov. 25, 2013
Coaxial Cable	Huber+Suhner	SUCCOFLEX 102	22962/2	Nov. 26, 2012	Nov. 25, 2013
Coaxial Cable	Huber+Suhner	SUCCOFLEX 102	23051/2	Nov. 26, 2012	Nov. 25, 2013
Antenna Master	MF.	N/A	N/A	N.C.R.	N.C.R.
Turn Table	MF.	N/A	N/A	N.C.R.	N.C.R.
Controller	MF.	3000	MF780208153	N.C.R.	N.C.R.
Site NSA	Chamost	966II Chamber	N/A	Dec. 30, 2012	Dec. 29, 2013
Site VSWR	Chamost	966II Chamber	N/A	Dec. 30, 2012	Dec. 29, 2013
Test Software	Farad	EZ-EMC	Ver. SGS-03A1	N.C.R.	N.C.R.

2.5.2 Test Site

SGS Taiwan LTD. Electronics & Communication Laboratory
NO.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City,
Taiwan 24803

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2.5.3 Operating Environment

Temperature : 27 degree C Humidity : 61 %RH
Atmospheric Pressure : 996 mBar

2.5.4 Uncertainty of Radiated Emission

The SGS U_{lab} is 3.76dB.(For 30-1000MHz)

The SGS U_{lab} is 6.30dB.(For 1-18GHz)

The SGS U_{lab} is 6.54dB.(For 18-40GHz)

This U_{lab} uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

2.5.5 Measurement level and Factor calculate method

Correct Factor = Antenna Factor + Cable loss- Amplifier Gain

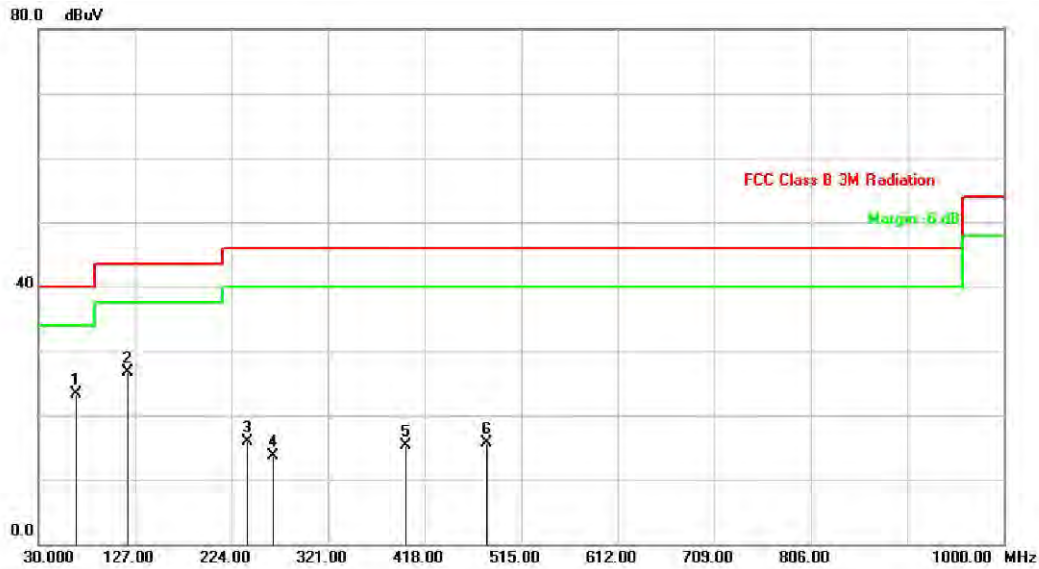
Measurement Level = Reading Level + Correct Factor

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2.5.6 Measurement Data Below 1GHz

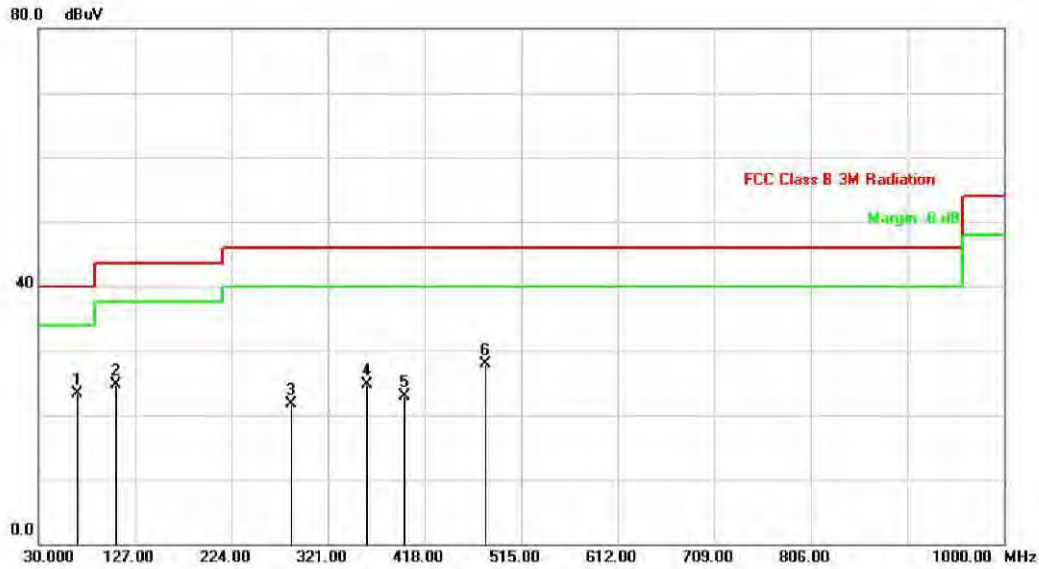
Operation Mode	Config 1 Data Link	Test Date	Jun. 24, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	68.2300	37.90	-14.60	23.30	40.00	-16.70	QP	
2		119.9800	41.30	-14.68	26.62	43.50	-16.88	QP	
3		239.9600	29.60	-13.72	15.88	46.00	-30.12	QP	
4		265.6300	26.50	-12.85	13.65	46.00	-32.35	QP	
5		399.1200	24.10	-8.84	15.26	46.00	-30.74	QP	
6		480.3200	22.60	-6.88	15.72	46.00	-30.28	QP	

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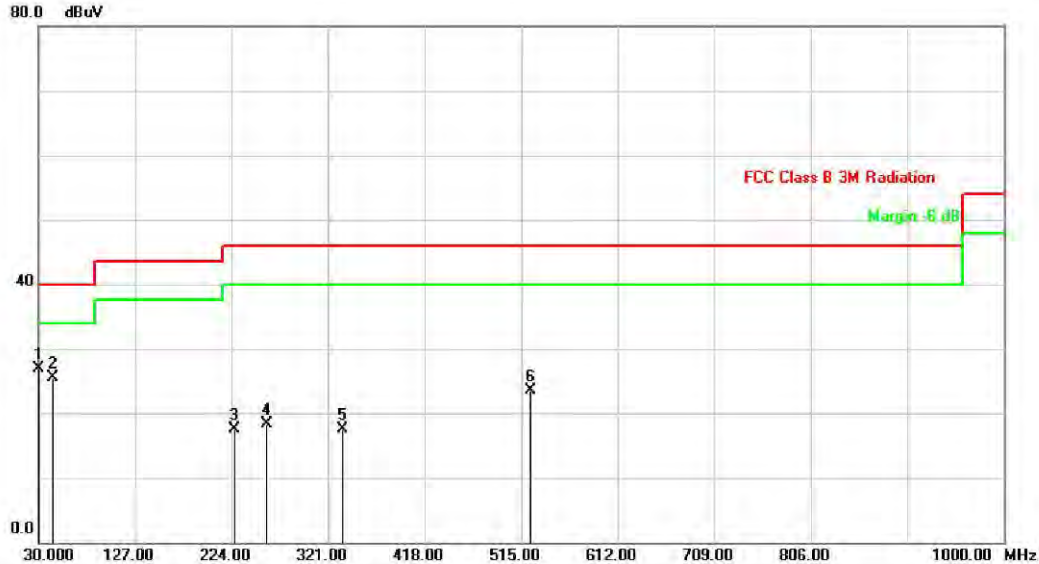


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	69.1100	38.10	-14.73	23.37	40.00	-16.63	QP	
2		108.4100	40.70	-16.00	24.70	43.50	-18.80	QP	
3		284.2600	33.70	-12.03	21.67	46.00	-24.33	QP	
4		360.0400	34.80	-10.06	24.74	46.00	-21.26	QP	
5		398.3600	31.80	-8.87	22.93	46.00	-23.07	QP	
6		480.0140	34.70	-6.88	27.82	46.00	-18.18	QP	

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Operation Mode	Config 2 Recording Mode	Test Date	Jun. 24, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	31.2800	40.60	-13.60	27.00	40.00	-13.00	QP	
2		45.2300	38.20	-12.61	25.59	40.00	-14.41	QP	
3		227.1960	32.10	-14.50	17.60	46.00	-28.40	QP	
4		259.1860	31.40	-13.17	18.23	46.00	-27.77	QP	
5		336.0160	28.20	-10.68	17.52	46.00	-28.48	QP	
6		524.8000	29.70	-6.17	23.53	46.00	-22.47	QP	

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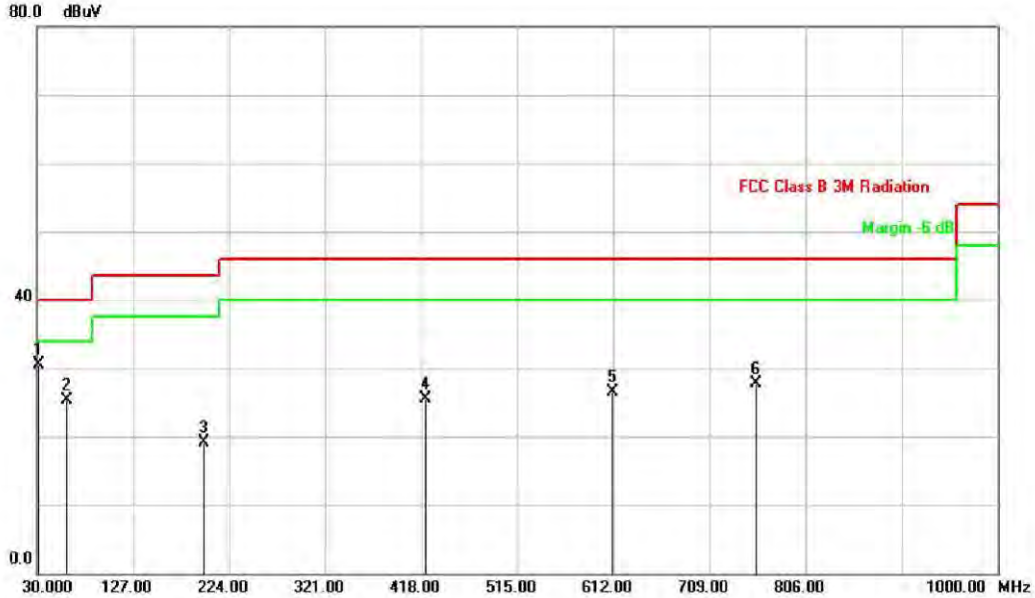


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		44.7500	29.50	-12.64	16.86	40.00	-23.14	QP	
2		137.5800	32.10	-13.17	18.93	43.50	-24.57	QP	
3		262.3980	34.00	-13.01	20.99	46.00	-25.01	QP	
4		310.4300	30.30	-11.27	19.03	46.00	-26.97	QP	
5	*	435.1940	33.70	-7.84	25.86	46.00	-20.14	QP	
6		524.8120	31.60	-6.17	25.43	46.00	-20.57	QP	

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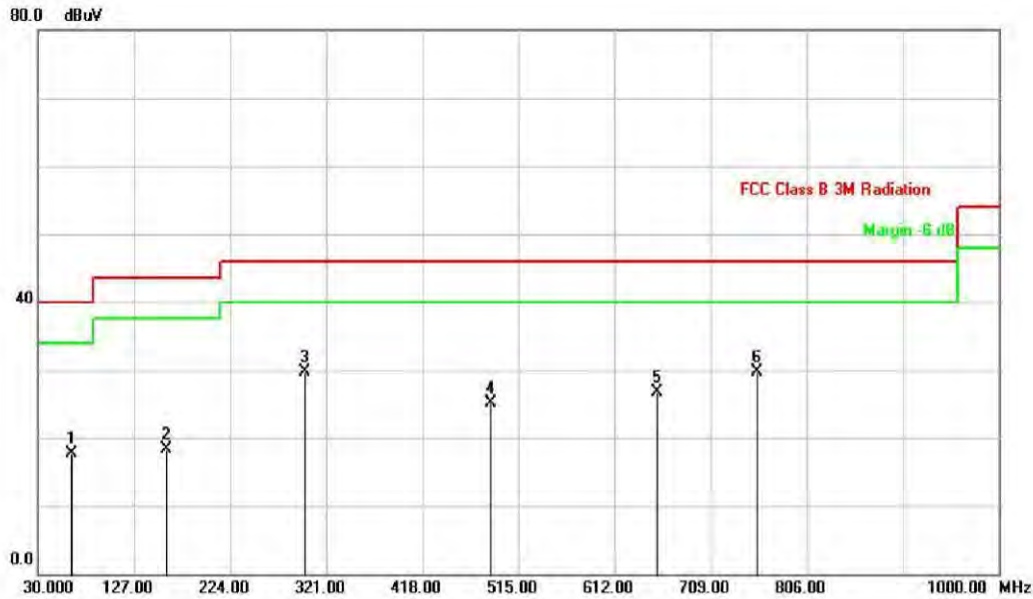
Operation Mode	Config 2 Play Recording Mode	Test Date	Apr. 24, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	31.7000	44.16	-13.56	30.60	40.00	-9.40	QP	
2		60.5400	38.79	-13.58	25.21	40.00	-14.79	QP	
3		199.2800	34.52	-15.41	19.11	43.50	-24.39	QP	
4		422.6200	34.22	-8.75	25.47	46.00	-20.53	QP	
5		611.9600	31.21	-4.70	26.51	46.00	-19.49	QP	
6		756.3000	30.15	-2.49	27.66	46.00	-18.34	QP	

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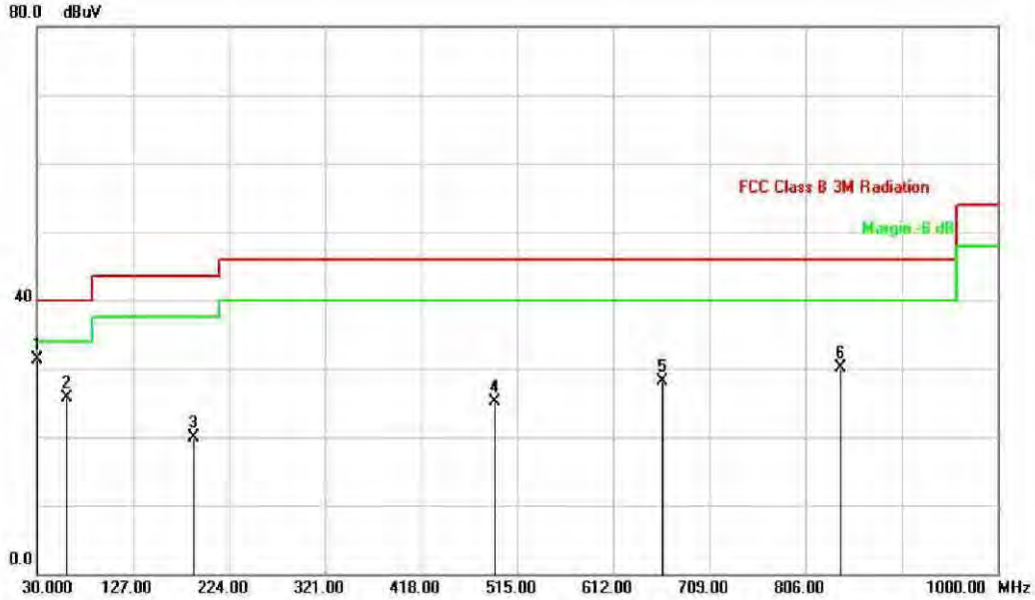


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		63.7200	31.74	-14.07	17.67	40.00	-22.33	QP	
2		160.3800	30.99	-12.76	18.23	43.50	-25.27	QP	
3		299.1600	41.53	-11.78	29.75	46.00	-16.25	QP	
4		486.9400	32.36	-7.27	25.09	46.00	-20.91	QP	
5		655.8800	30.76	-3.99	26.77	46.00	-19.23	QP	
6	*	756.4000	32.29	-2.49	29.80	46.00	-16.20	QP	

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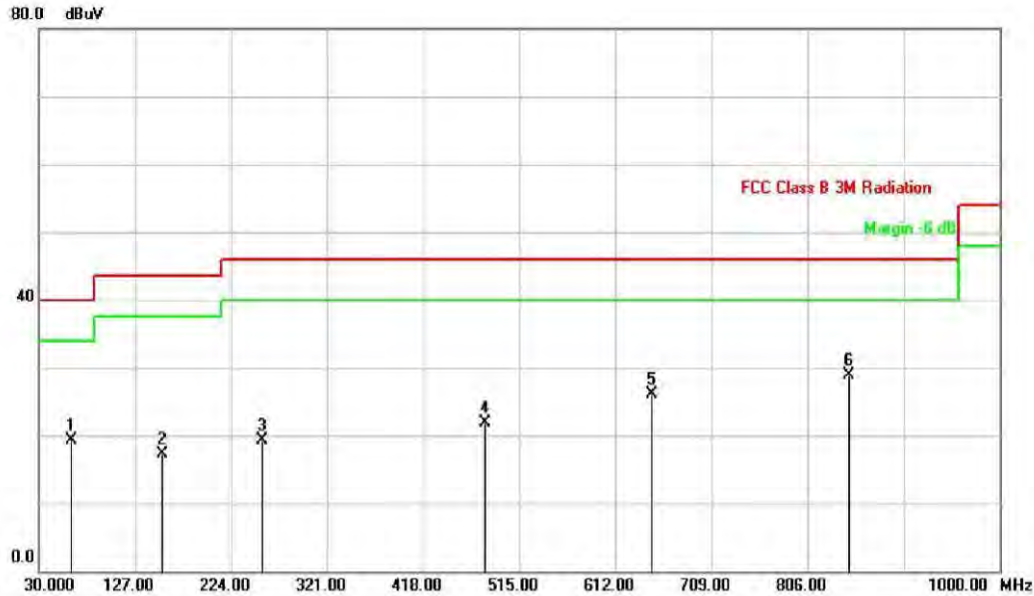
Operation Mode	Config 2 MP3 Mode	Test Date	Apr. 24, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	31.1000	44.89	-13.59	31.30	40.00	-8.70	QP	
2		60.2400	39.26	-13.52	25.74	40.00	-14.26	QP	
3		188.3400	35.11	-15.18	19.93	43.50	-23.57	QP	
4		492.5600	32.23	-7.17	25.06	46.00	-20.94	QP	
5		661.7000	31.94	-3.90	28.04	46.00	-17.96	QP	
6		841.6200	31.88	-1.75	30.13	46.00	-15.87	QP	

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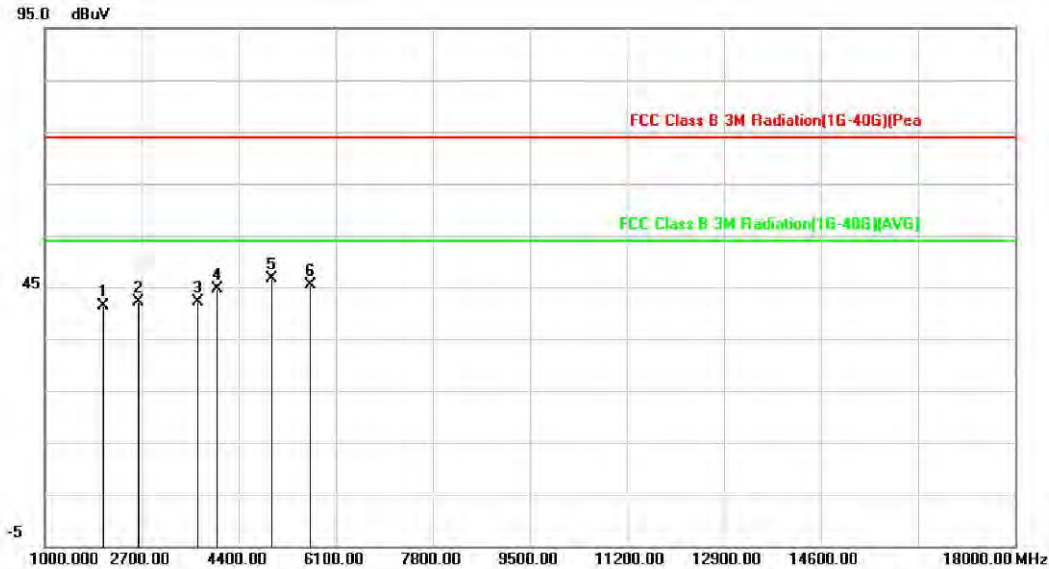
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		62.5400	33.24	-13.89	19.35	40.00	-20.65	QP	
2		155.3600	30.23	-12.83	17.40	43.50	-26.10	QP	
3		255.3800	32.91	-13.55	19.36	46.00	-26.64	QP	
4		481.1200	29.29	-7.38	21.91	46.00	-24.09	QP	
5		648.5600	30.24	-4.08	26.16	46.00	-19.84	QP	
6	*	847.4400	30.66	-1.74	28.92	46.00	-17.08	QP	

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Above 1GHz – 1 ~ 18GHz

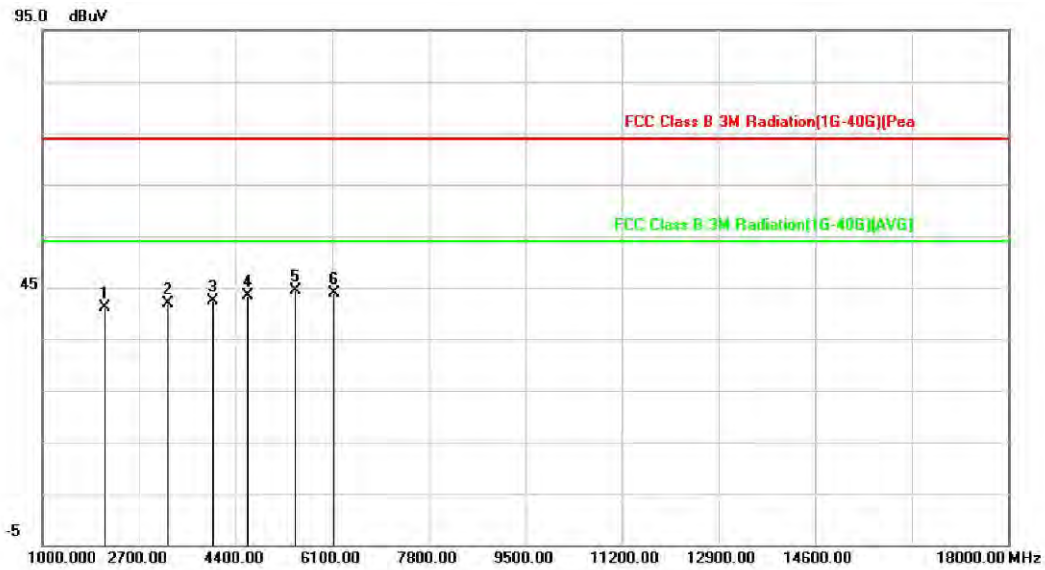
Operation Mode	Config 1 Data Link Mode	Test Date	Jun. 25, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2020.000	42.00	-0.57	41.43	74.00	-32.57	peak	
2		2632.000	41.33	0.75	42.08	74.00	-31.92	peak	
3		3686.000	39.06	3.13	42.19	74.00	-31.81	peak	
4		4026.000	40.40	4.32	44.72	74.00	-29.28	peak	
5	*	4978.000	38.65	8.09	46.74	74.00	-27.26	peak	
6		5658.000	38.40	7.05	45.45	74.00	-28.55	peak	

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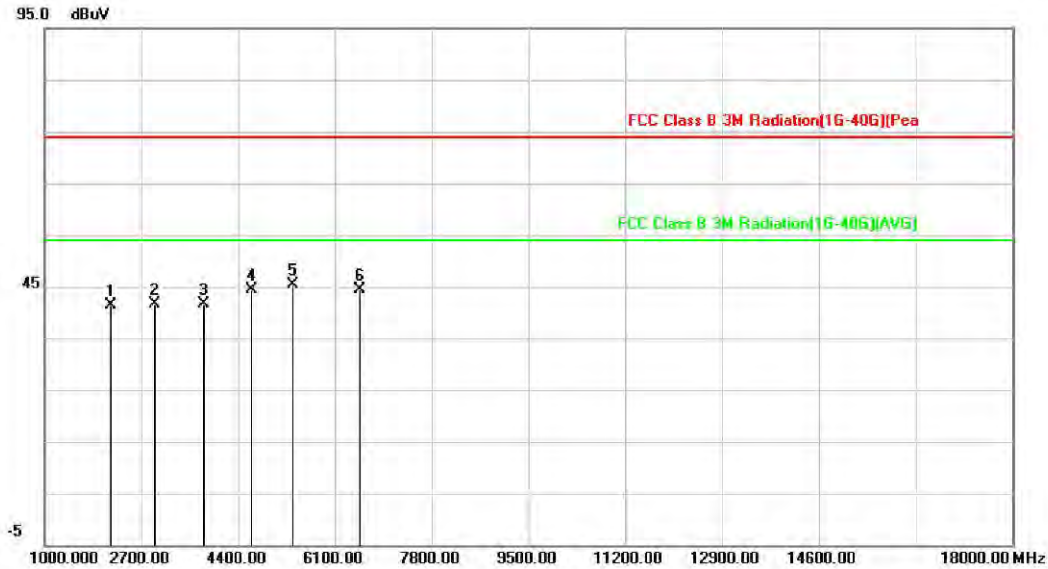


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2088.000	41.69	-0.44	41.25	74.00	-32.75	peak	
2		3210.000	39.84	2.06	41.90	74.00	-32.10	peak	
3		3992.000	38.05	4.24	42.29	74.00	-31.71	peak	
4		4604.000	37.50	5.81	43.31	74.00	-30.69	peak	
5	*	5454.000	37.38	6.96	44.34	74.00	-29.66	peak	
6		6134.000	36.09	7.84	43.93	74.00	-30.07	peak	

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Operation Mode	Config 2 Recording Mode	Test Date	Jun. 25, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.

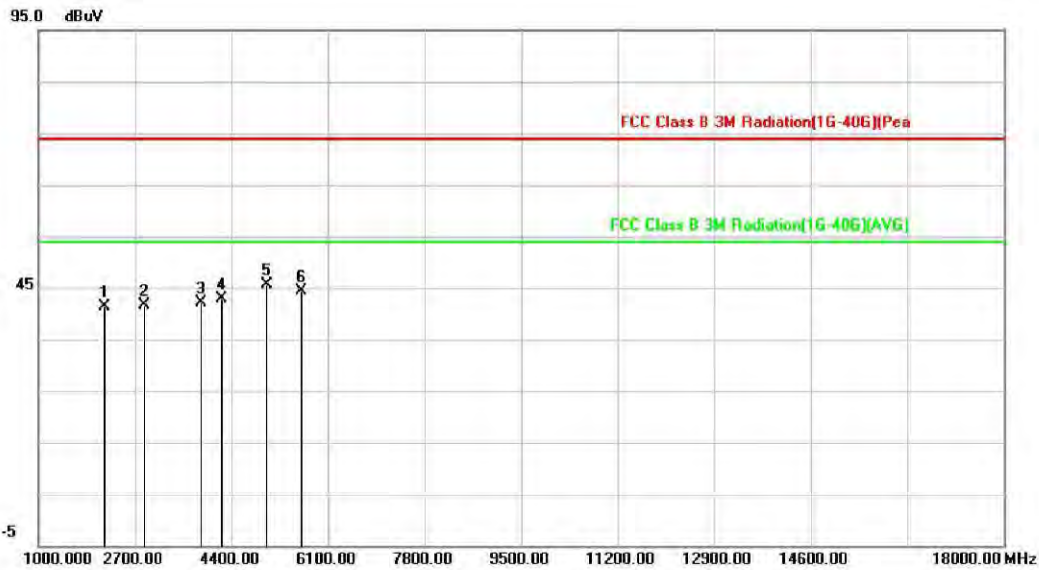


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2156.000	41.64	-0.30	41.34	74.00	-32.66	peak	
2		2938.000	39.95	1.61	41.56	74.00	-32.44	peak	
3		3788.000	38.15	3.49	41.64	74.00	-32.36	peak	
4		4638.000	38.48	6.01	44.49	74.00	-29.51	peak	
5	*	5352.000	38.05	7.24	45.29	74.00	-28.71	peak	
6		6542.000	35.50	8.76	44.26	74.00	-29.74	peak	

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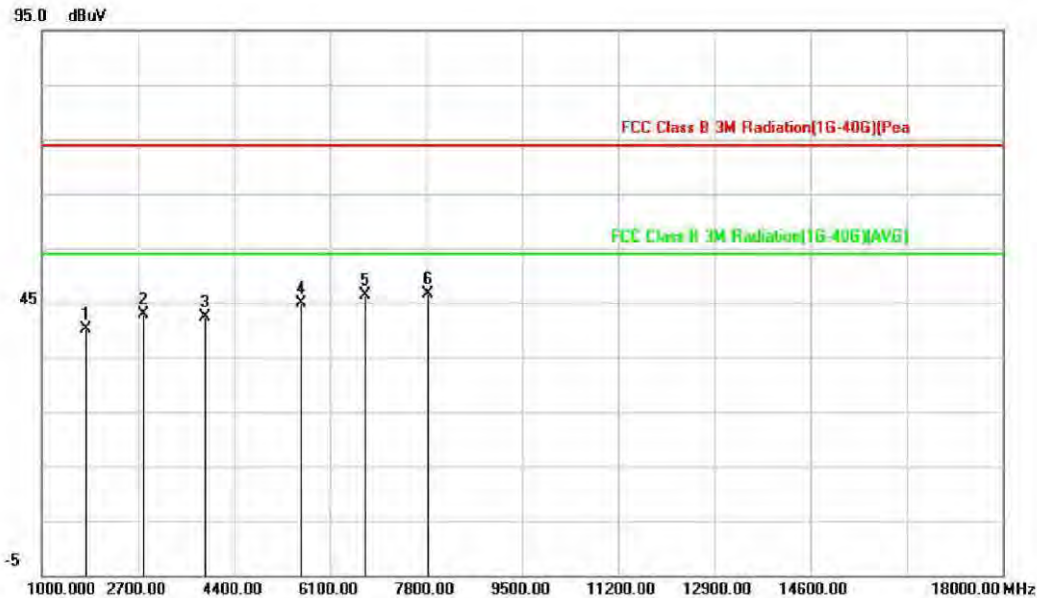


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2156.000	41.65	-0.30	41.35	74.00	-32.65	peak	
2		2870.000	40.31	1.42	41.73	74.00	-32.27	peak	
3		3856.000	38.34	3.74	42.08	74.00	-31.92	peak	
4		4230.000	38.17	4.68	42.85	74.00	-31.15	peak	
5	*	5012.000	37.56	8.18	45.74	74.00	-28.26	peak	
6		5624.000	37.29	6.99	44.28	74.00	-29.72	peak	

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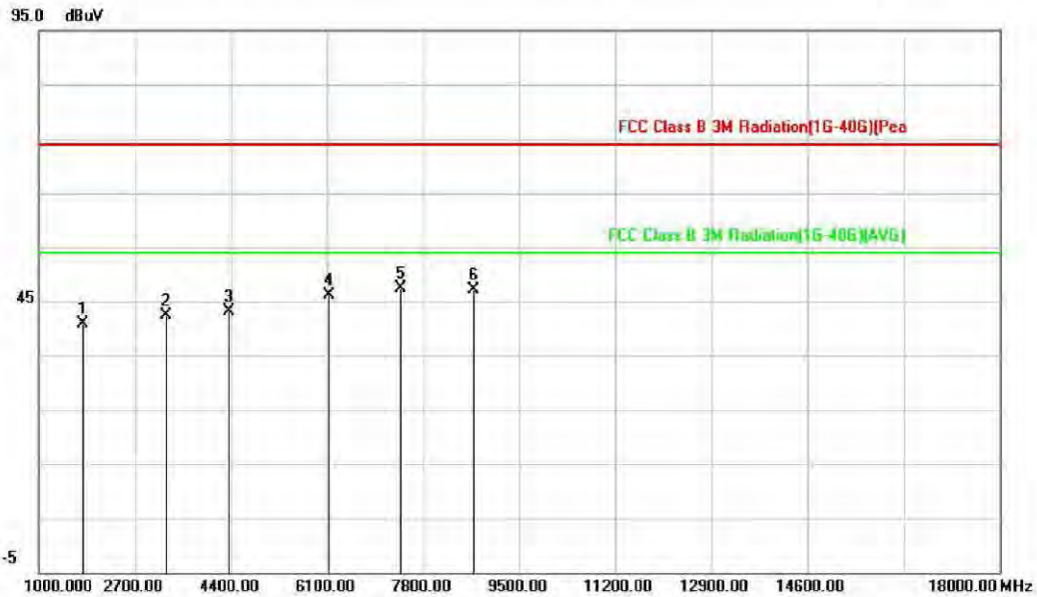
Operation Mode	Config 2 Play Recording Mode	Test Date	Apr. 25, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.



No.	Mk.	Freq MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		1782.000	42.70	-2.64	40.06	74.00	-33.94	peak	
2		2802.000	41.60	1.23	42.83	74.00	-31.17	peak	
3		3890.000	38.56	3.87	42.43	74.00	-31.57	peak	
4		5590.000	38.01	6.95	44.96	74.00	-29.04	peak	
5		6712.000	37.60	8.76	46.36	74.00	-27.64	peak	
6	*	7834.000	37.36	9.34	46.70	74.00	-27.30	peak	

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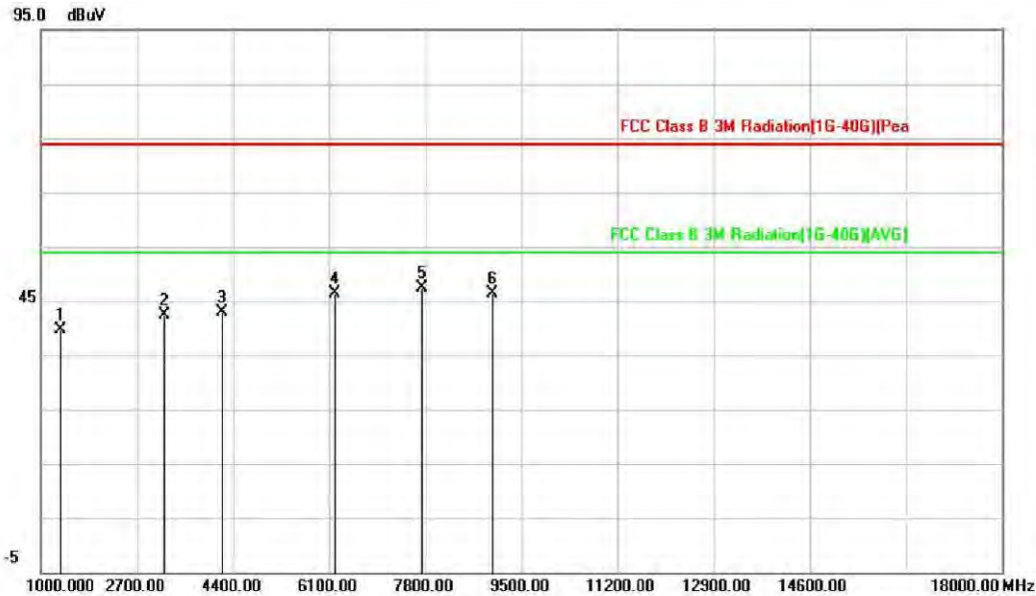
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		1782.000	43.64	-2.64	41.00	74.00	-33.00	peak	
2		3244.000	40.27	2.11	42.38	74.00	-31.62	peak	
3		4366.000	38.22	4.94	43.16	74.00	-30.84	peak	
4		6134.000	38.33	7.84	46.17	74.00	-27.83	peak	
5	*	7392.000	38.35	9.05	47.40	74.00	-26.60	peak	
6		8684.000	36.76	10.47	47.23	74.00	-26.77	peak	

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Operation Mode	Config 2 MP3 Mode	Test Date	Apr. 25, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.

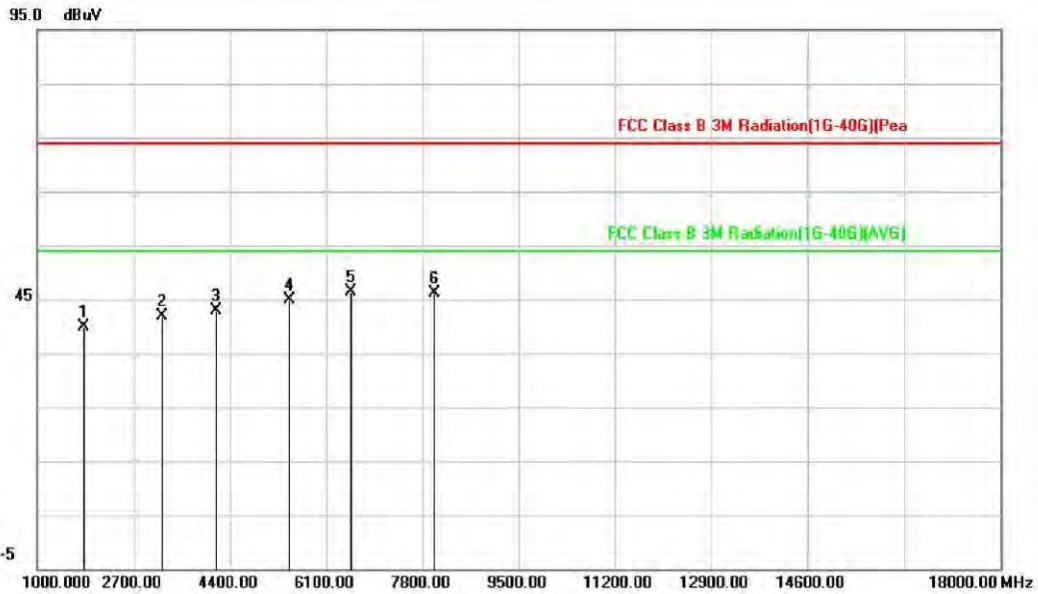


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		1340.000	45.67	-6.01	39.66	74.00	-34.34	peak	
2		3176.000	40.23	2.03	42.26	74.00	-31.74	peak	
3		4196.000	38.28	4.63	42.91	74.00	-31.09	peak	
4		6202.000	38.34	8.00	46.34	74.00	-27.66	peak	
5	*	7732.000	38.04	9.28	47.32	74.00	-26.68	peak	
6		8990.000	35.19	11.20	46.39	74.00	-27.61	peak	

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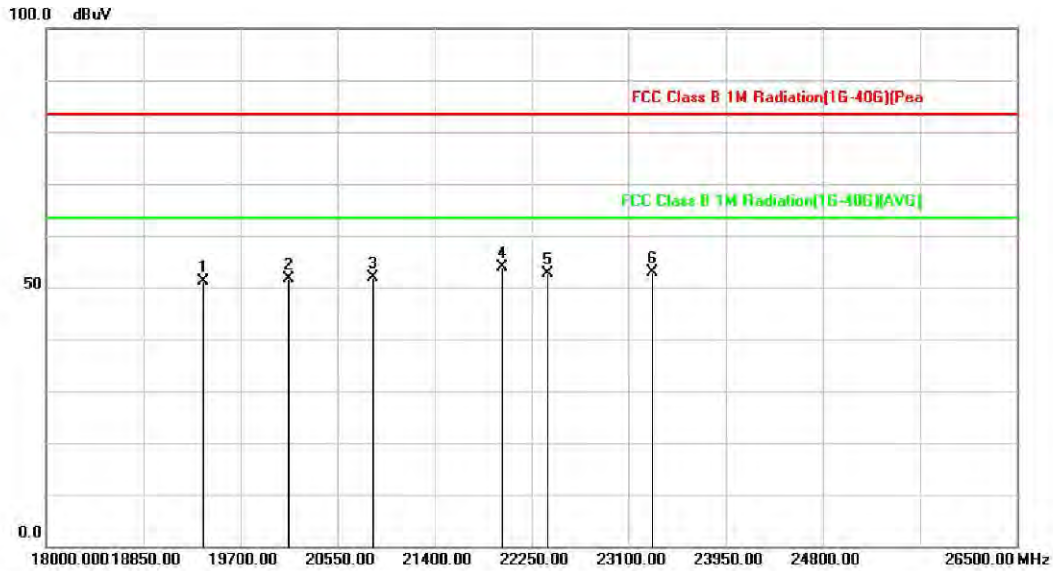
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		1816.000	42.21	-2.32	39.89	74.00	-34.11	peak	
2		3210.000	39.91	2.06	41.97	74.00	-32.03	peak	
3		4162.000	38.39	4.56	42.95	74.00	-31.05	peak	
4		5454.000	37.80	6.96	44.76	74.00	-29.24	peak	
5	*	6542.000	37.68	8.76	46.44	74.00	-27.56	peak	
6		8004.000	36.73	9.44	46.17	74.00	-27.83	peak	

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18~26.5GHz

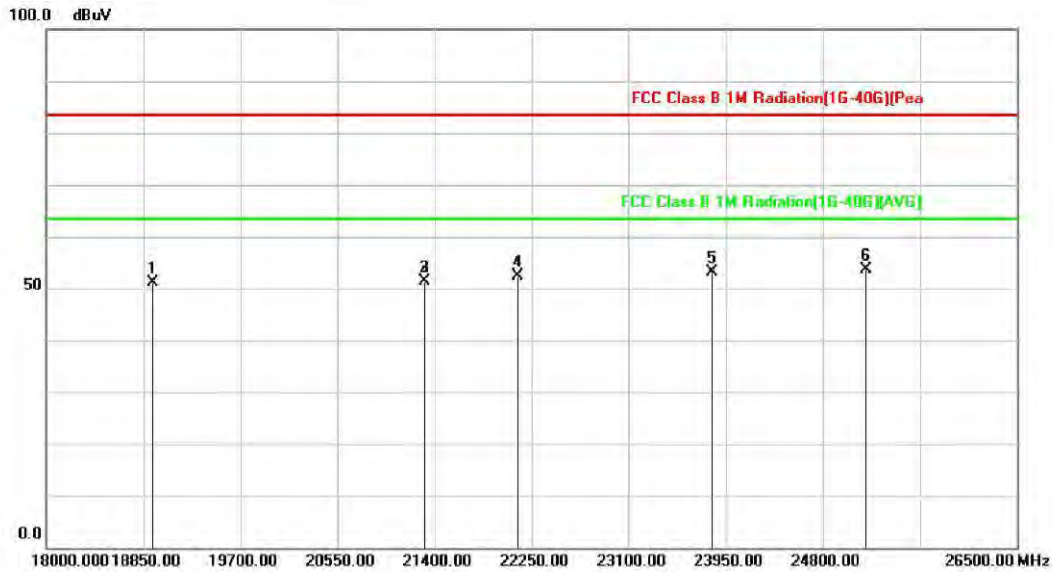
Operation Mode	Config 1 Data Link	Test Date	Jun. 25, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		19377.00	62.57	-11.38	51.19	83.50	-32.31	peak	
2		20125.00	64.36	-12.79	51.57	83.50	-31.93	peak	
3		20856.00	63.77	-11.84	51.93	83.50	-31.57	peak	
4	*	21995.00	65.12	-11.23	53.89	83.50	-29.61	peak	
5		22386.00	63.87	-11.31	52.56	83.50	-30.94	peak	
6		23304.00	63.53	-10.58	52.95	83.50	-30.55	peak	

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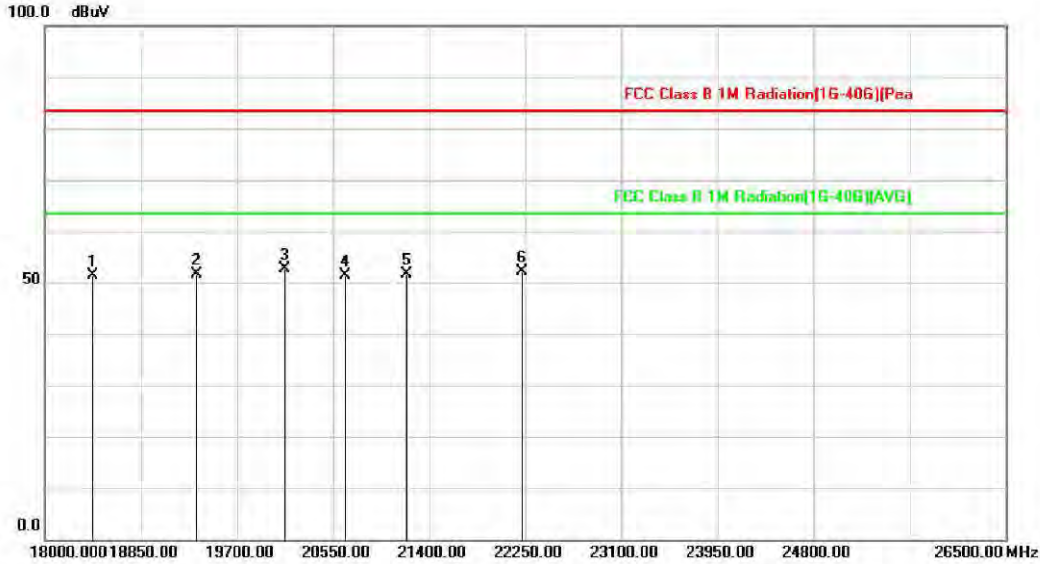


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		18935.00	63.10	-11.87	51.23	83.50	-32.27	peak	
2		21315.00	62.87	-11.54	51.33	83.50	-32.17	peak	
3		21315.00	62.87	-11.54	51.33	83.50	-32.17	peak	
4		22131.00	63.74	-11.26	52.48	83.50	-31.02	peak	
5		23831.00	64.17	-10.94	53.23	83.50	-30.27	peak	
6	*	25174.00	62.48	-8.78	53.70	83.50	-29.80	peak	

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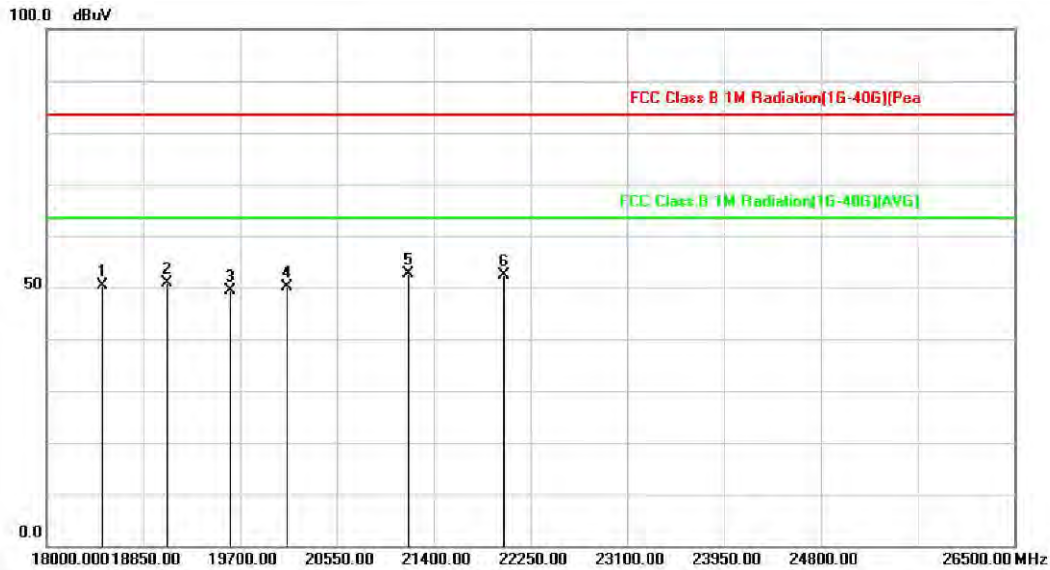
Operation Mode	Config 2 Recording Mode	Test Date	Jun. 25, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		18425.00	63.84	-12.55	51.29	83.50	-32.21	peak	
2		19343.00	63.02	-11.41	51.61	83.50	-31.89	peak	
3	*	20125.00	65.36	-12.79	52.57	83.50	-30.93	peak	
4		20652.00	63.41	-12.00	51.41	83.50	-32.09	peak	
5		21196.00	63.24	-11.61	51.63	83.50	-31.87	peak	
6		22216.00	63.50	-11.27	52.23	83.50	-31.27	peak	

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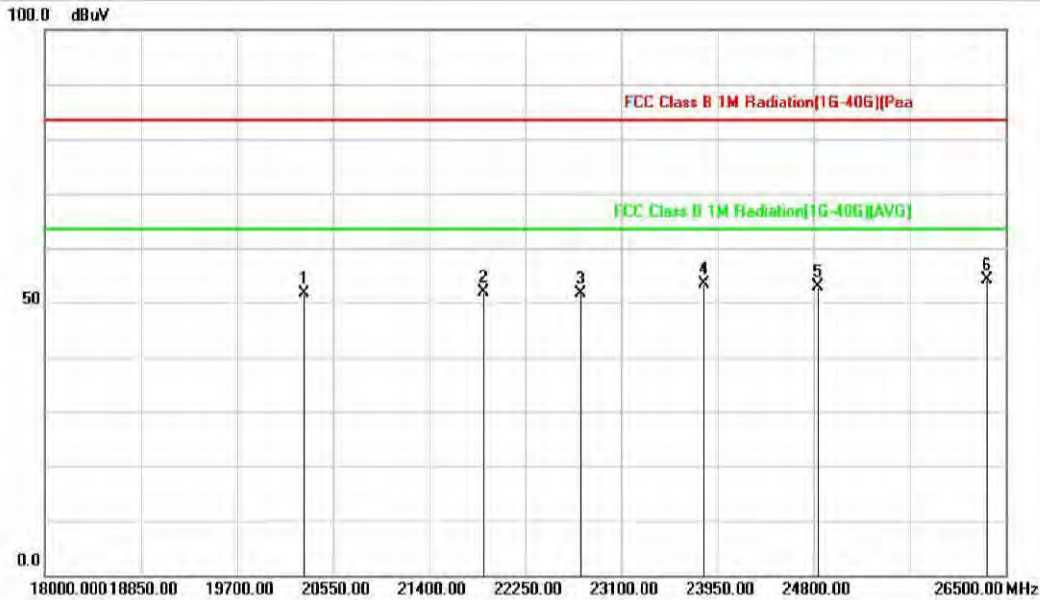


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		18493.00	62.80	-12.45	50.35	83.50	-33.15	peak	
2		19054.00	62.58	-11.72	50.86	83.50	-32.64	peak	
3		19615.00	61.03	-11.65	49.38	83.50	-34.12	peak	
4		20108.00	62.83	-12.82	50.01	83.50	-33.49	peak	
5	*	21179.00	64.14	-11.62	52.52	83.50	-30.98	peak	
6		22012.00	63.56	-11.23	52.33	83.50	-31.17	peak	

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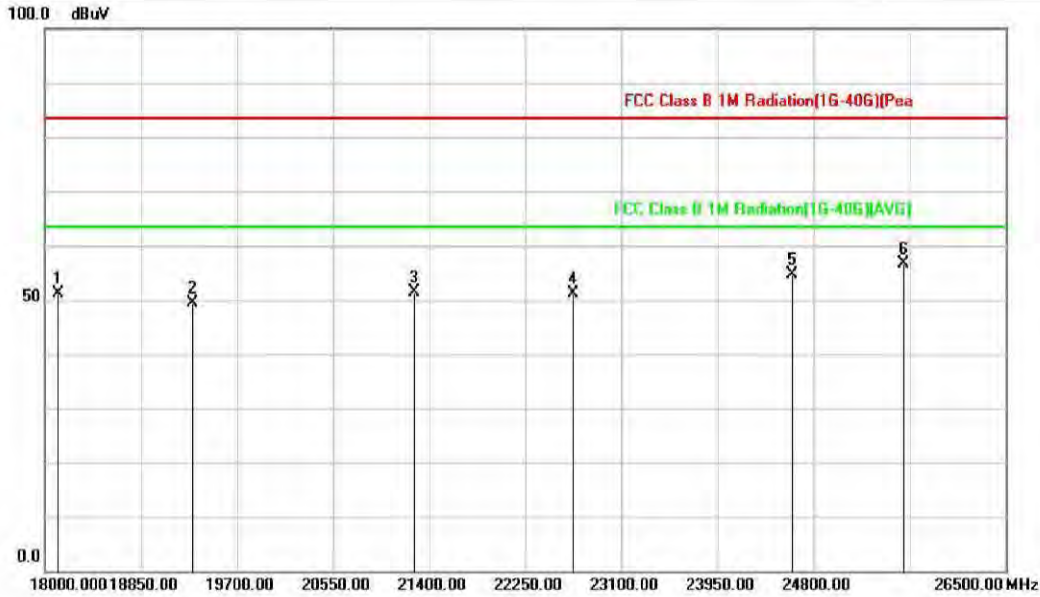
Operation Mode	Config 2 Play Recording Mode	Test Date	Apr. 25, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		20295.00	64.05	-12.49	51.56	83.50	-31.94	peak	
2		21876.00	63.10	-11.28	51.82	83.50	-31.68	peak	
3		22743.00	62.61	-11.07	51.54	83.50	-31.96	peak	
4		23831.00	64.22	-10.94	53.28	83.50	-30.22	peak	
5		24834.00	62.53	-9.65	52.88	83.50	-30.62	peak	
6	*	26330.00	63.31	-9.28	54.03	83.50	-29.47	peak	

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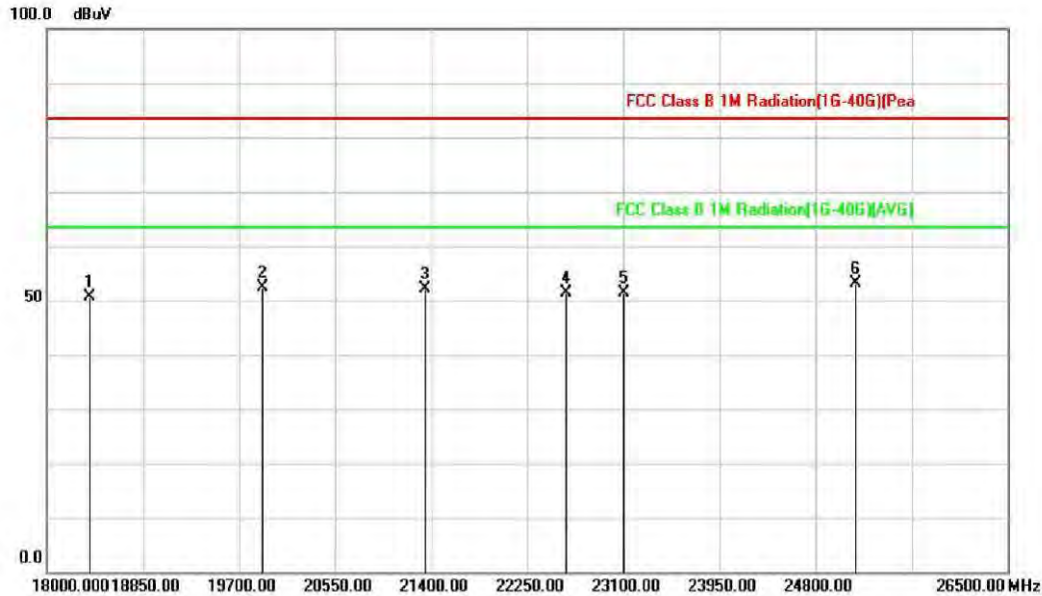


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		18119.00	64.10	-13.01	51.09	83.50	-32.41	peak	
2		19309.00	60.93	-11.44	49.49	83.50	-34.01	peak	
3		21264.00	62.97	-11.57	51.40	83.50	-32.10	peak	
4		22675.00	62.16	-11.14	51.02	83.50	-32.48	peak	
5		24613.00	64.38	-9.83	54.55	83.50	-28.95	peak	
6	*	25599.00	64.31	-7.66	56.65	83.50	-26.85	peak	

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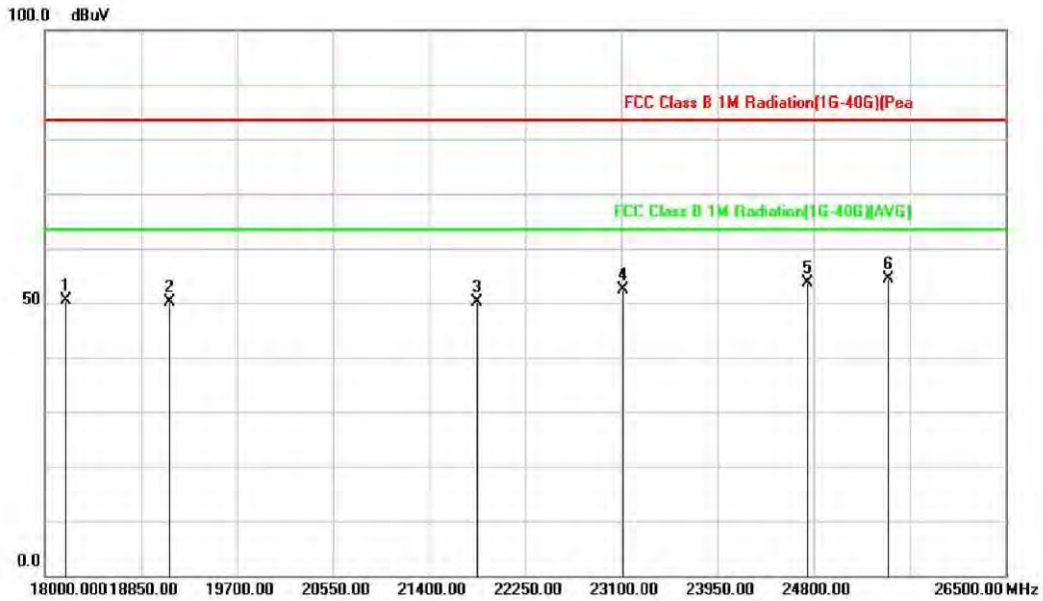
Operation Mode	Config 2 MP3 Mode	Test Date	Apr. 25, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		18374.00	63.21	-12.63	50.58	83.50	-32.92	peak	
2		19904.00	65.16	-12.67	52.49	83.50	-31.01	peak	
3		21349.00	63.57	-11.52	52.05	83.50	-31.45	peak	
4		22590.00	62.54	-11.23	51.31	83.50	-32.19	peak	
5		23100.00	62.21	-10.73	51.48	83.50	-32.02	peak	
6	*	25157.00	62.01	-8.85	53.16	83.50	-30.34	peak	

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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		18187.00	63.38	-12.91	50.47	83.50	-33.03	peak	
2		19105.00	61.89	-11.67	50.22	83.50	-33.28	peak	
3		21825.00	61.37	-11.30	50.07	83.50	-33.43	peak	
4		23117.00	63.06	-10.71	52.35	83.50	-31.15	peak	
5		24749.00	63.29	-9.72	53.57	83.50	-29.93	peak	
6	*	25463.00	61.90	-7.55	54.35	83.50	-29.15	peak	

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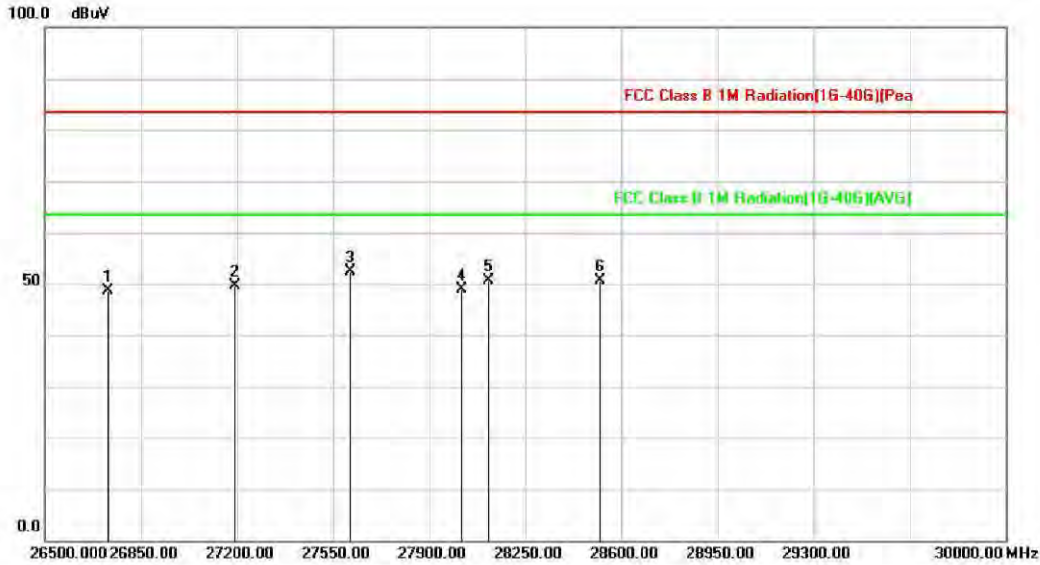


26.5 ~ 30GHz

FCC ID : PY7PM-0481
IC : 4170B-PM0481

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Issue Date: Jul. 19, 2013
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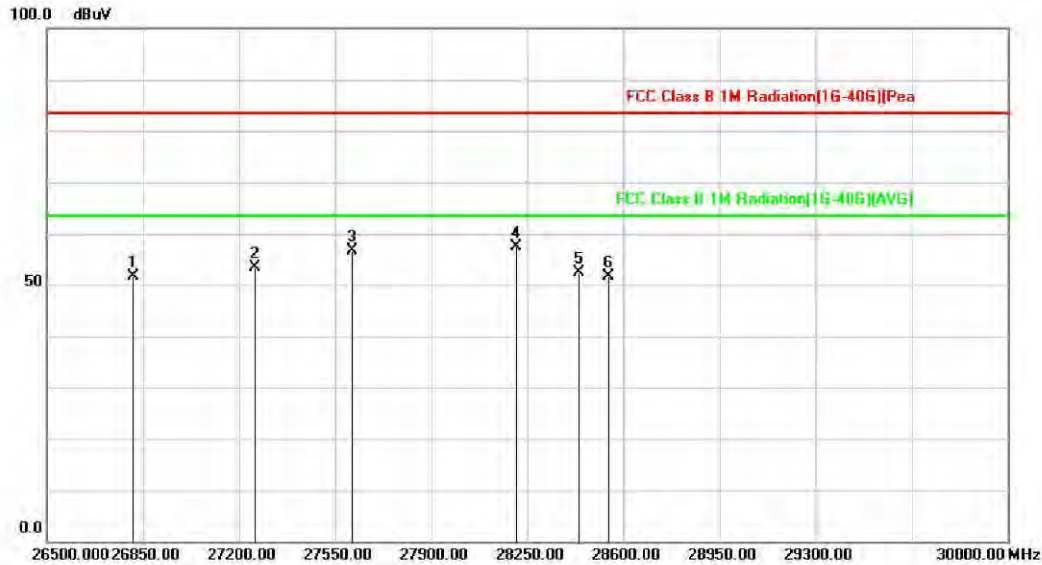
Operation Mode	Config 1 Data Link Mode	Test Date	Jun. 25, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.



No.	Mk.	Freq MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		26731.00	58.52	-9.83	48.69	83.50	-34.81	peak	
2		27193.00	60.13	-10.41	49.72	83.50	-33.78	peak	
3	*	27613.00	63.36	-10.95	52.41	83.50	-31.09	peak	
4		28019.00	60.05	-11.25	48.80	83.50	-34.70	peak	
5		28117.00	61.68	-11.06	50.62	83.50	-32.88	peak	
6		28523.00	61.14	-10.40	50.74	83.50	-32.76	peak	

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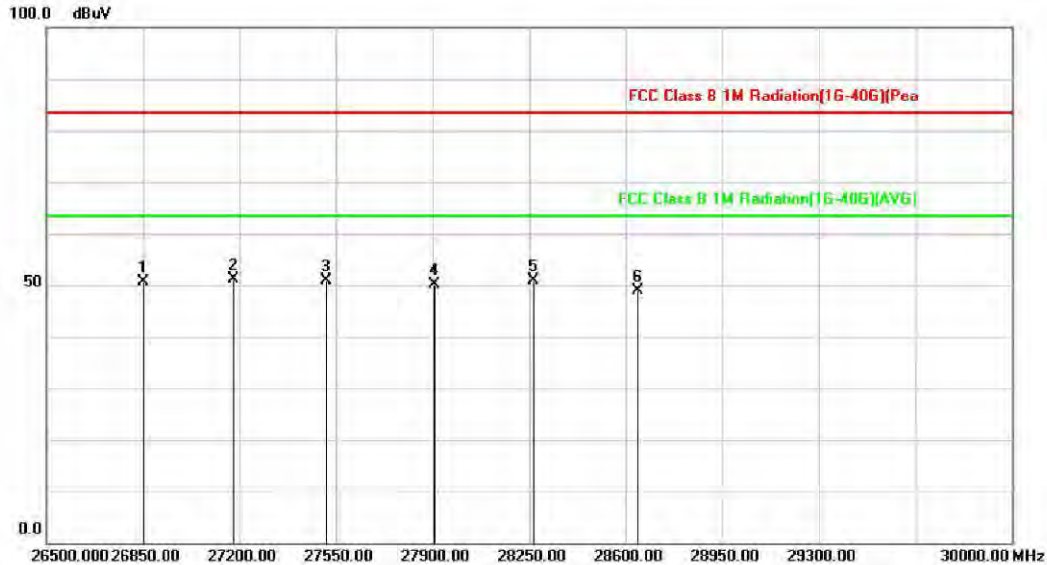


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		26815.00	61.52	-9.92	51.60	83.50	-31.90	peak	
2		27256.00	63.95	-10.50	53.45	83.50	-30.05	peak	
3		27613.00	67.57	-10.95	56.62	83.50	-26.88	peak	
4	*	28208.00	68.20	-10.88	57.32	83.50	-26.18	peak	
5		28439.00	62.86	-10.44	52.42	83.50	-31.08	peak	
6		28544.00	62.02	-10.49	51.53	83.50	-31.97	peak	

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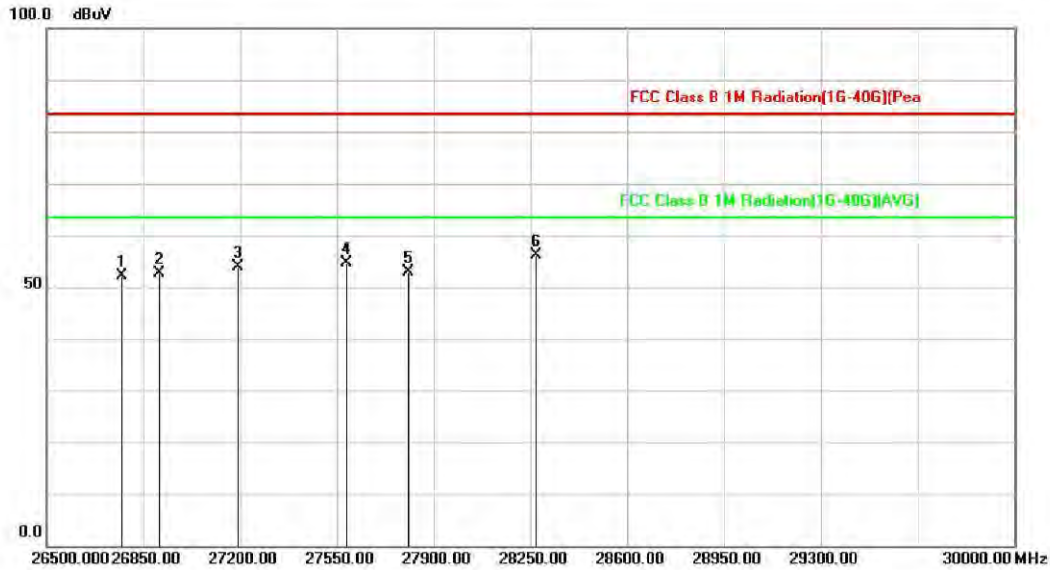
Operation Mode	Config 2 Recording Mode	Test Date	Jun. 25, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		26850.00	60.55	-9.96	50.59	83.50	-32.91	peak	
2	*	27179.00	61.63	-10.40	51.23	83.50	-32.27	peak	
3		27515.00	61.75	-10.87	50.88	83.50	-32.62	peak	
4		27907.00	61.46	-11.21	50.25	83.50	-33.25	peak	
5		28264.00	61.66	-10.78	50.88	83.50	-32.62	peak	
6		28642.00	59.86	-10.87	48.99	83.50	-34.51	peak	

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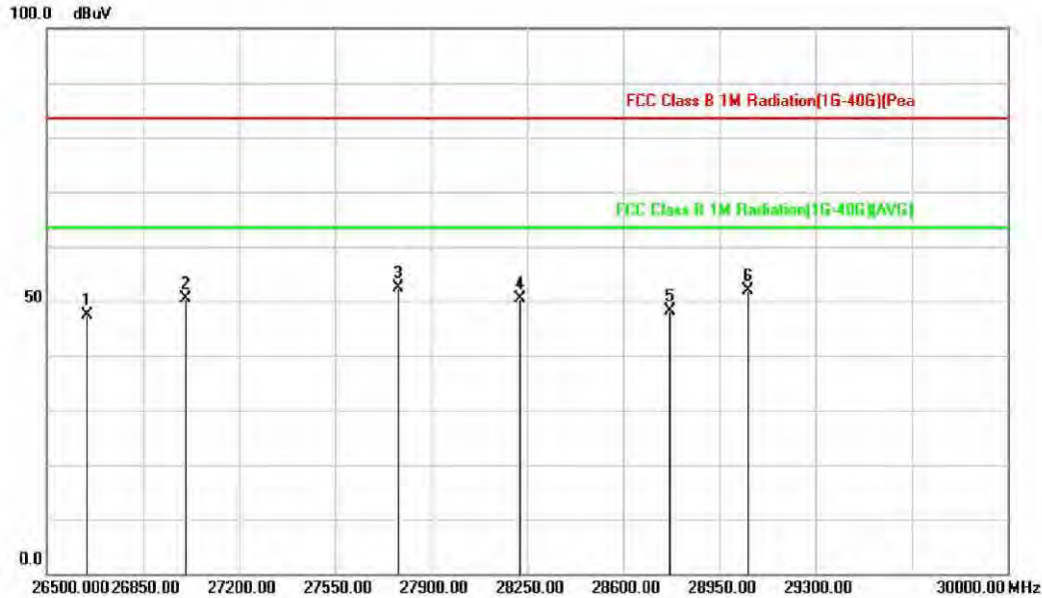


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Over dB	Detector	Comment
1	26773.00	61.89	-9.87	52.02	83.50	-31.48	peak	
2	26906.00	62.72	-10.03	52.69	83.50	-30.81	peak	
3	27193.00	64.24	-10.41	53.83	83.50	-29.67	peak	
4	27585.00	65.58	-10.93	54.65	83.50	-28.85	peak	
5	27809.00	63.92	-11.12	52.80	83.50	-30.70	peak	
6 *	28271.00	67.00	-10.76	56.24	83.50	-27.26	peak	

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Operation Mode	Config 2 Play Recording Mode	Test Date	Apr. 25, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.

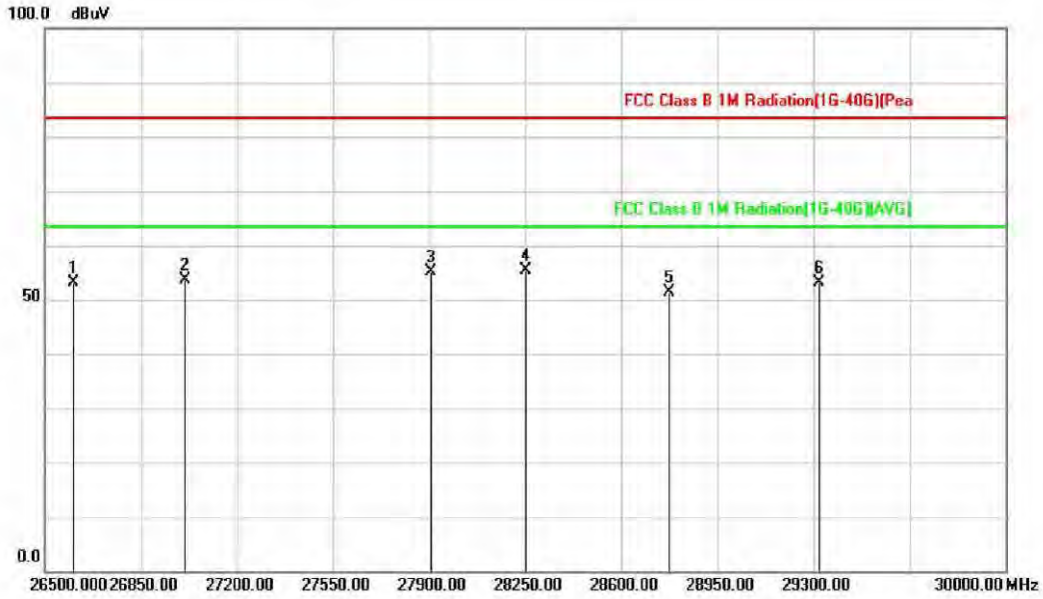


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		26647.00	57.22	-9.73	47.49	83.50	-36.01	peak	
2		27004.00	60.58	-10.14	50.44	83.50	-33.06	peak	
3	*	27781.00	63.40	-11.10	52.30	83.50	-31.20	peak	
4		28222.00	61.24	-10.85	50.39	83.50	-33.11	peak	
5		28768.00	59.57	-11.35	48.22	83.50	-35.28	peak	
6		29055.00	64.12	-12.25	51.87	83.50	-31.63	peak	

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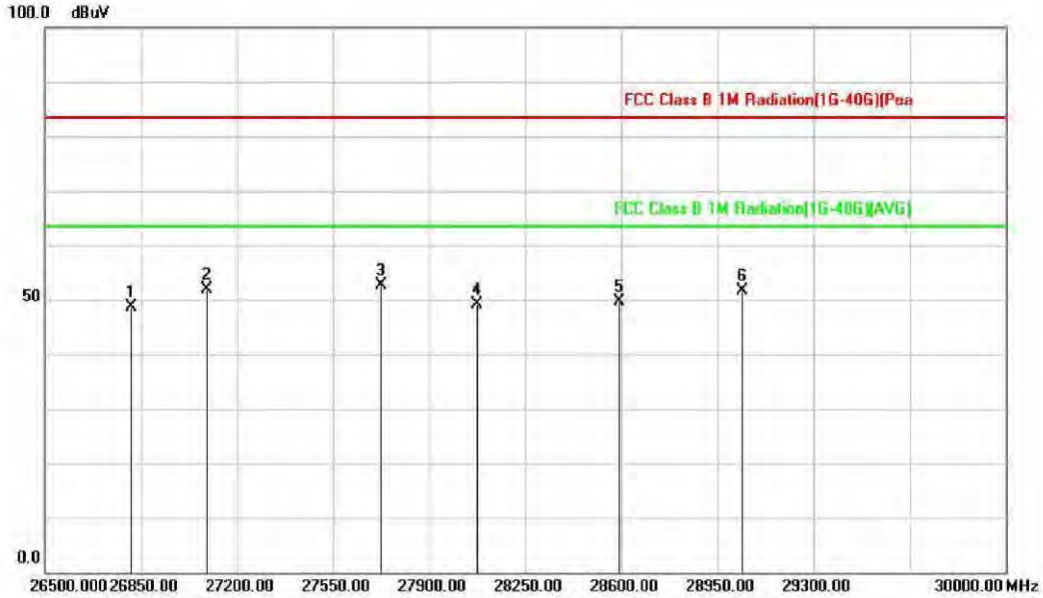


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		26605.00	62.74	-9.68	53.06	83.50	-30.44	peak	
2		27011.00	63.86	-10.14	53.72	83.50	-29.78	peak	
3		27907.00	66.46	-11.21	55.25	83.50	-28.25	peak	
4	*	28250.00	66.09	-10.81	55.28	83.50	-28.22	peak	
5		28775.00	62.65	-11.37	51.28	83.50	-32.22	peak	
6		29321.00	65.40	-12.26	53.14	83.50	-30.36	peak	

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Operation Mode	Config 2 MP3 Mode	Test Date	Apr. 25, 2013
Tested By	Eddy Cheng	Pol	Ver. and Hor.

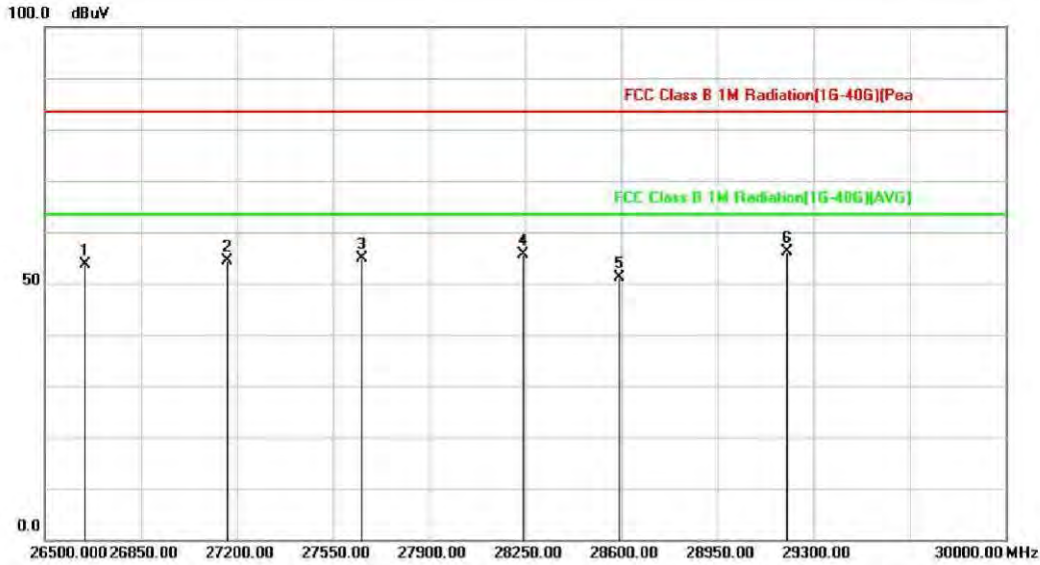


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		26815.00	58.45	-9.92	48.53	83.50	-34.97	peak	
2		27088.00	62.08	-10.26	51.82	83.50	-31.68	peak	
3	*	27725.00	63.60	-11.05	52.55	83.50	-30.95	peak	
4		28075.00	60.17	-11.14	49.03	83.50	-34.47	peak	
5		28593.00	60.36	-10.68	49.68	83.50	-33.82	peak	
6		29041.00	63.81	-12.25	51.56	83.50	-31.94	peak	

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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		26647.00	63.35	-9.73	53.62	83.50	-29.88	peak	
2		27165.00	64.63	-10.37	54.26	83.50	-29.24	peak	
3		27655.00	66.00	-11.00	55.00	83.50	-28.50	peak	
4		28243.00	66.33	-10.82	55.51	83.50	-27.99	peak	
5		28593.00	61.78	-10.68	51.10	83.50	-32.40	peak	
6	*	29202.00	68.36	-12.25	56.11	83.50	-27.39	peak	

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