

**FCC ID: PY7-PM0873** 

Report No.: EM/2015/40069 **Issue Date: Jul. 06, 2015** 

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# ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

# UN-INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 15 SUBPART B REQUIREMENT

OF

**Product Name: PDA Phone** 

**Brand Name:** Sony

PM-0873-BV Type No.:

**Added Model(s):** N/A

**Model Difference:** N/A

FCC ID: PY7-PM0873

EM/2015/40069 **Report No.:** 

**Issue Date:** Jul. 06, 2015

**FCC Rule Part:** FCC Part 15:2015, Subpart B, Class B

**Sony Mobile Communications AB** 

**Prepared for:** 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

**Manufacturer:** Sony Mobile Communications AB

Nya Vattentornet 22188 Lund/SWEDEN

**Product Name:** PDA Phone

**Brand Name:** Sony

**Type No.:** PM-0873-BV

**Added Model(s):** N/A **Model Difference:** N/A

**FCC ID:** PY7-PM0873 **File Number:** EM/2015/40069

**Date of EUT Received:** Apr. 22, 2015

**Date of test:** Apr. 27 ~ May 29, 2015

**Issue Date:** Jul. 06, 2015

Standards: FCC Part 15:2015, Subpart B, Class B

# 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 (2009) 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. The test results of this report relate only to the tested sample identified in this report.

Tested By:	Eddy Cheny	Date:	Jul. 06, 2015	
	Eddy Cheng / Engineer			
Prepared By:	Fanny Chen	Date:	Jul. 06, 2015	
	Fanny Chen / Clerk	- <u></u>		
Approved By:	Victor Wen	Date:	Jul. 06, 2015	
	Victor Wen / Assistant Manager			

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**Revision History** 

Report Number	Revision	Description	Issue Date
EM/2015/40069	Rev.00	Initial Version	Jun. 24, 2015
EM/2015/40069	Rev.01	Revised WLAN 5G spec.	Jul. 06, 2015

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# 1. General Information

# 1.1 Product description

#### General:

General:			
Product Name:	PDA Phone		
Brand Name:	Sony		
Type No.:	PM-0873-BV		
Added Model(s):	N/A		
Model Difference:	N/A		
Data Cable (USB):	Model No.: EC450, Supplier: K-one Type No.: 1242-6715.3, Length: 100 cm		
Simple Hands-Free (SHF-White):	Model No.: MH410c, Supplier: Foster Electric Type No.: AG-1100		
Car Charger:	Model No.: AN400, Supplier: Salcomp Type No.: CAA-0003013		
BT PHF:	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:	30.0.B.0.20		
	3.8Vdc		
	Battery: Model No.: AGPB016-A001, Supplier: Sony Type No.: N/A		
Power Supply:	Adapter: Model No.: EP800, Supplier: Phihong Type No.: AC-0300-US Model No.: EP800, Supplier: Salcomp Type No.: AC-0030-US		
IMEI:	004402454408638 004402454408646		

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Bluetooth Low Energy:

- · · · · · · · · · · · · · · · · · · ·			
Frequency Range:	2402 – 2480MHz		
Bluetooth Version:	V4.0 dual mode		
Channel number:	40 channels		
Modulation type:	GFSK		
Transmit Power:	1.93dBm		
Antenna Designation:	PIFA Antenna, Gain: -3.80dBi		

#### Bluetooth BR+EDR:

Bluetooth Version:	V4.0 + HS		
Channel number:	79 channels		
Modulation type:	Frequency Hopping Spread Spectrum		
Transmit Power:	11.64dBm		
Frequency Range:	2.402GHz – 2.480GHz		
Dwell Time:	<= 0.4s		
Antenna Designation:	PIFA Antenna, Gain: -3.80dBi		

## NFC:

Operating Frequency:	13.56MHz
Transmit Power:	< 123.90dBuV/m at 3m.
Number of Channels:	1
Antenna Type:	Loop Antenna
Modulation Type:	ASK, BPSK

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### WLAN 2.4GHz:

Wi-Fi	Frequency Range	Channels	Rated Power	Modulation Technology
11b/g	2412-2462	11	b: 19.59dBm g: 22.96dBm	DSSS, OFDM
11n	HT20 2412-2462	11	HT20: 21.96dBm	OFDM
11n	HT40 2422-2452	7	HT40: 22.13dBm	OFDM
Antenna Designation:		PIFA Antenna, Gain: -3.80dBi		
Modulation type:		CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM		
Transition Rate:		802.11 b: up to 11 Mbps; 802.11 g: up to 54 Mbps 802.11 n_20MHz: up to 72.2Mbps 802.11 n_40MHz: up to 135Mbps		

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## WLAN 5GHz:

Wi-Fi	Frequency	Channels	Rated Power (Avg.)	Modulation	
VVI-1 1	Range	Orialineis	nated Fower (Avg.)	Technology	
	5150~5250	4	12.92dBm		
11a	5250~5350	4	12.99dBm	OFDM	
110	5470~5725	11	12.99dBm	OFDIVI	
	5725-5850	5	12.98dBm		
	HT20 5150~5250	4	11.92dBm		
11	HT20 5250~5350	4	11.97dBm	OFDM	
11n	HT20 5470~5725	11	11.95dBm	OFDM	
	HT20 5725-5850	5	11.98dBm		
	HT40 5150~5250	2	11.77dBm		
	HT40 5250~5350	2	11.98dBm	OFDM	
11n	HT40 5470~5725	5	11.89dBm	OFDIN	
HT40 5725-5850 2		2	11.90dBm		
Antenna Designation			PIFA Antenna, 5GHz Gain: -6.18dBi (5150MHz-5250MHz) 5GHz Gain: -5.23dBi (5250MHz-5350MHz) 5GHz Gain: -4.84dBi (5470MHz-5725MHz) 5GHz Gain: -5.08dBi (5725MHz-5850MHz)		
Modulation type			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		

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### GSM / WCDMA/ LTE:

GSIVI / WCDIVI	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 V	826.4MHz - 846.6MHz	24dBm
Cellular Phone Standards Frequency	LTE-Band 5 (Bandwidth 1.4MHz)	824.7MHz – 848.3MHz	23dBm
Range and Power	LTE-Band 5 (Bandwidth 3MHz)	825.5MHz – 847.5MHz	23dBm
	LTE-Band 5 (Bandwidth 5MHz)	826.5MHz – 846.5MHz	23dBm
	LTE-Band 5 (Bandwidth 10MHz)	829.0MHz – 844.0MHz	23dBm
	LTE-Band 7 (Bandwidth 5MHz)	2502.5MHz – 2567.5MHz	23dBm
	LTE-Band 7 (Bandwidth 10MHz)	2505.0MHz – 2565.0MHz	23dBm
	LTE-Band 7 (Bandwidth 15MHz)	2507.5MHz – 2562.5MHz	23dBm
	LTE-Band 7 (Bandwidth 20MHz)	2510.0MHz – 2560.0MHz	23dBm

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	GSM 850	246KGXW
	GPRS 850	250KGXW
	EDGE 850	254KG7W
	GSM 1900	246KGXW
	GPRS 1900	248KGXW
	EDGE 1900	248KG7W
	WCDMA Band II	4M22F9W
	HSDPA Band II	4M24F9W
	HSUPA Band II	4M23F9W
	WCDMA Band V	4M24F9W
	HSDPA Band V	4M22F9W
	HSUPA Band V	4M24F9W
	LTE-Band 5 (Bandwidth 1.4MHz) QPSK	1M10G7D
T C. F	LTE-Band 5 (Bandwidth 1.4MHz) 16QAM	1M10D7W
Type of Emission:	LTE-Band 5 (Bandwidth 3MHz) QPSK	2M72G7D
	LTE-Band 5 (Bandwidth 3MHz) 16QAM	2M71D7W
	LTE-Band 5 (Bandwidth 5MHz) QPSK	4M52G7D
	LTE-Band 5 (Bandwidth 5MHz) 16QAM	4M52D7W
	LTE-Band 5 (Bandwidth 10MHz) QPSK	9M02G7D
	LTE-Band 5 (Bandwidth 10MHz) 16QAM	9M00D7W
	LTE-Band 7 (Bandwidth 5MHz) QPSK	4M51G7D
	LTE-Band 7 (Bandwidth 5MHz) 16QAM	4M52D7W
	LTE-Band 7 (Bandwidth 10MHz) QPSK	9M03G7D
	LTE-Band 7 (Bandwidth 10MHz) 16QAM	8M97D7W
	LTE-Band 7 (Bandwidth 15MHz) QPSK	13M5G7D
	LTE-Band 7(Bandwidth 15MHz) 16QAM	13M5D7W
	LTE-Band 7 (Bandwidth 20MHz) QPSK	18M0G7D
	LTE-Band 7 (Bandwidth 20MHz) 16QAM	18M0D7W

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#### 1.2 Test Plan

## Test Plan:

IEST Flair.			
PM-0873-BV	Config 1	Config 2	Config 3
Applicable standard (FCC 15B)			
Accessories	EUT	EUT	EUT
	+USB Cable(EC450)	+ AC Adapter(EP800)	+ 2nd(Salcomp) AC
	+SHF(MH410c)	+USB Cable(EC450)	Adapter(EP800)
		+SHF(MH410c)	+USB Cable(EC450)
			+SHF(MH410c)
	DATA Link (USB)	CAMERA	CAMERA
	DATA Link(USB) +	FULL SYSTEM +	FULL SYSTEM +
	Idle(WWAN.WIFI.BT.GPS	Idle(WWAN.WIFI.BT.GPS	Idle(WWAN.WIFI.BT.GPS
	& NFC ON)	& NFC ON)	& NFC ON)
Description			
radiated emission	DATA Link (USB)	Recording/play recording/MP3	Recording
conducted emission (AC Power)	DATA Link (USB)	Recording/play recording/MP3	Recording

<sup>\*</sup> Test Configuration required by client.

# 1.3 Operation Procedure

- 1. Set down EUT with support units and turn on the power of all equipment.
- 2. Pressing mouse button continuously or move mouse cursor.
- 3. Pre-test the EUT in all modes by each model, then figure the worst case out.
- 4. Tests under the normal operation pattern.

## 1.4 Description of Support Units

PRODUCT	MANUFACTURER	MODEL NO.	SERIAL NO.
Notebook	DELL	P37G	H55Z0Z1
Radio Communication Analyzer	R&S	CMU200	N/A
Mouse	HP	M-UAE96	390938-001
Printer	HP	DJ3820	CN34L181B1

#### 1.5 Modification List

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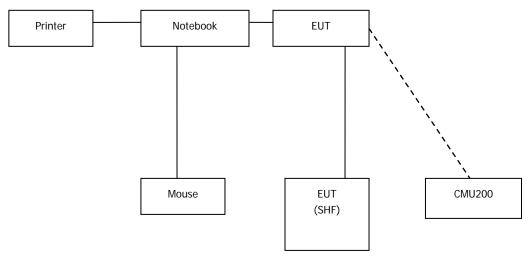


### 1.6 Cable List

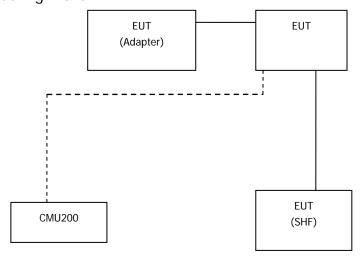
Cable Type	Length	Shielding/Non-shielding
USB cable with core near EUT, near Adapter	1.0 m	Shielding

# 1.7 Test Set-Up Configuration

## Config 1



# Config 2 & 3



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#### 1.8 Measurement Procedure

Conducted Emission Testing was performed according ANSI C63.4:2009 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 C63.4:2009 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 C63.4:2009. FCC Registration Number: TW0513.

### 1.9 Standards Applicable for Testing

Table of tests to be carried out under ECC Part 15. Subpart B.

able of tests to be earlied out under 100 fait 10, 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	Canduated Emission	DACC	Line	0.1500	-14.95(QP)		
Subpart B	Conducted Emission	PASS	Neutral	2.7240	-4.39(QP)		
Class B/ CISPR 22 Class B	Radiated Emission	PASS	Ver.	14583.320	-8.06(AVG)		

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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 Upper frequency of measurement used in the device or on which the range (MHz)

device operates or tunes (MHz)

Below 1.705 30 1.705 - 108 1000 108 - 500 2000 500 - 1000 5000 Above 1000 5th harmonic of the high

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	Class A (dBuV)		Class B (dBuV)	
(MHz)	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	Class A (at 10m)	Class B (at 3m)
(MHz)	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	Class A (dBuV) (at 3m)		Class B (dBuV) (at 3m)	
(MHz)	Peak Average		Peak	Average
Above 1000	79.3	59.3	73.9	53.9

#### **CISPR Limit:**

Detector Function : Quasi – Peak

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

Detector Function : Peak , Average – Class A

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

Detector Function: Peak, Average - Class B

Frequency range Average Limit		Peak Limit
GHz	dB(μV/m)	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

SGS Wuku Conducted Emission Test Site						
Name of Equipment Manufacturer		Model	Serial Number	Calibration Date	Calibration Due	
EMI Test Receiver	R&S	ESCI 3	100335	Dec. 30, 2014	Dec. 29, 2015	
Coaxial Cables	N/A	WK CE Cable	N/A	Nov. 26, 2014	Nov. 25, 2015	
LISN	TESEQ	NNB 51	36076	Feb. 16, 2015	Feb. 15, 2016	
LISN	FCC	FCC-LISN-50/250- 25-2-01	04034	Mar. 13, 2015	Mar. 12, 2016	
Communication Tester	R&S	CMU200	119988	Nov.25, 2014	Nov.24, 2015	
Test Software	Farad	EZ-EMC	Ver. SGS-03A2	N.C.R.	N.C.R.	

#### 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: 24 degree C Humidity: 66 %RH

Atmospheric Pressure: 996 mBar

### 2.4.4 Uncertainty of Conducted Emission

Expanded uncertainty (K=2) of conducted emission is 2.28 dB.

## 2.4.5 Measurement level and Factor calculate method

Factor = LISN insertion loss + Cable loss

Measurement Level = Reading Level + Factor

Over (Margin) = Measurement Level - Limit

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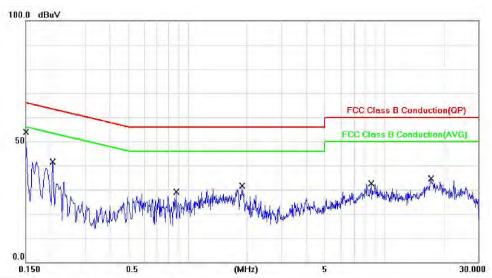
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#### 2.4.6 Measurement Data

Operation Mode:	Config 1 DATA Link (USB)-Internal Storage (Read)	Test Date:	May 04, 2015
Tested By:	Eddy Cheng	Pol.:	L1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1500	40.70	9.95	50.65	66.00	-15.35	QP	
2		0.1500	22.60	9.95	32.55	56.00	-23.45	AVG	
3		0.2060	21.70	9.94	31.64	63.37	-31.73	QP	
4	-	0.2060	5.50	9.94	15.44	53.37	-37.93	AVG	
5		0.8740	11.40	9.94	21.34	56.00	-34.66	QP	
6		0.8740	2.60	9.94	12.54	46.00	-33.46	AVG	
7		1.8900	13.60	9.96	23.56	56.00	-32.44	QP	
8		1.8900	4.50	9.96	14.46	46.00	-31.54	AVG	
9		8.5900	15.60	10.09	25.69	60.00	-34.31	QP	
10		8.5900	8.40	10.09	18.49	50.00	-31.51	AVG	
11		17.2700	16.60	10.19	26.79	60.00	-33.21	QP	
12		17.2700	8.30	10.19	18.49	50.00	-31.51	AVG	

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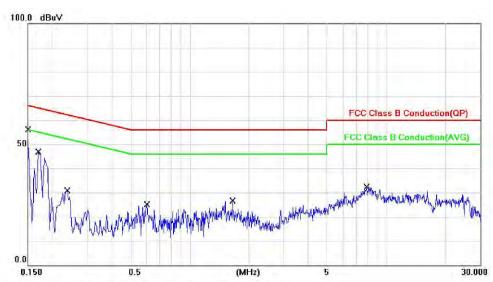
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Operation Mode:	Config 1 DATA Link (USB)-Internal Storage (Read)	Test Date:	May 04, 2015
Tested By:	Eddy Cheng	Pol.:	N

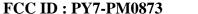


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dВ	dBuV	dBuV	dВ	Detector	Comment
1	*	0.1500	42.40	9.93	52.33	66.00	-13.67	QP	
2		0.1500	23.10	9.93	33.03	56.00	-22.97	AVG	
3		0.1700	36.10	9.93	46.03	64.96	-18.93	QP	
4		0.1700	18.50	9.93	28.43	54.96	-26.53	AVG	
5		0.2380	19.60	9.92	29.52	62.17	-32.65	QP	
6		0.2380	8.50	9.92	18.42	52.17	-33.75	AVG	
7		0.6060	11.40	9.92	21.32	56.00	-34.68	QP	
8		0.6060	2.50	9.92	12.42	46.00	-33.58	AVG	
9		1.6500	8.40	9.94	18.34	56.00	-37.66	QP	
10	9 77	1.6500	1.60	9.94	11.54	46.00	-34.46	AVG	
11		7.9660	17.10	10.06	27.16	60.00	-32.84	QP	
12		7.9660	9.90	10.06	19.96	50.00	-30.04	AVG	

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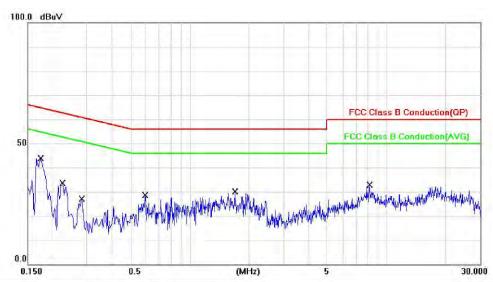
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T		1	1
Operation Mode:	Config 1 DATA Link (USB)-Internal Storage (Write)	Test Date:	May 04, 2015
Tested By:	Eddy Cheng	Pol.:	L1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dВ	dBuV	dBuV	dВ	Detector	Comment
1	*	0.1740	33.20	9.95	43.15	64.77	-21.62	QP	
2		0.1740	21.70	9.95	31.65	54.77	-23.12	AVG	
3		0.2260	21.80	9.94	31.74	62,60	-30.86	QP	
4		0.2260	7.70	9.94	17.64	52.60	-34.96	AVG	
5		0.2820	12.90	9.94	22,84	60.76	-37.92	QP	
6	5	0.2820	1.40	9.94	11.34	50.76	-39.42	AVG	
7		0.5940	13.60	9.93	23.53	56.00	-32.47	QP	
8		0.5940	4.00	9.93	13.93	46.00	-32.07	AVG	
9		1.7060	12.40	9.95	22.35	56.00	-33.65	QP	
10		1.7060	4.20	9.95	14.15	46.00	-31.85	AVG	
11		8.2100	15.30	10.09	25.39	60.00	-34.61	QP	
12		8.2100	8.10	10.09	18.19	50.00	-31.81	AVG	

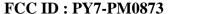
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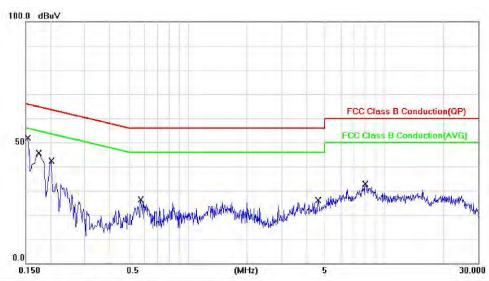
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Operation Mode:	Config 1 DATA Link (USB)-Internal Storage (Write)	Test Date:	May 04, 2015
Tested By:	Eddy Cheng	Pol.:	N



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dВ	dBuV	dBuV	dВ	Detector	Comment
1	*	0.1540	39.10	9.93	49.03	65.78	-16.75	QP	
2		0.1540	17.90	9.93	27.83	55.78	-27.95	AVG	
3		0.1740	34.20	9.93	44.13	64.77	-20.64	QP	
4		0.1740	22.40	9.93	32.33	54.77	-22.44	AVG	
5		0.2020	23.00	9.92	32,92	63,53	-30.61	QP	
6	5	0.2020	5.90	9.92	15.82	53.53	-37.71	AVG	
7		0.5780	12.50	9.92	22.42	56.00	-33.58	QP	
8		0.5780	3.50	9.92	13.42	46.00	-32.58	AVG	
9		4.6220	8.30	10.00	18.30	56.00	-37.70	QP	
10		4.6220	2.40	10.00	12.40	46.00	-33.60	AVG	
11		8.0100	16.40	10.06	26,46	60.00	-33.54	QP	
12		8.0100	9.10	10.06	19.16	50.00	-30.84	AVG	

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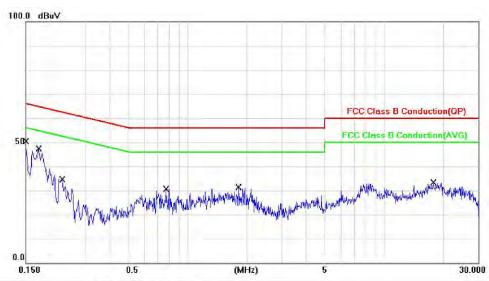
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Operation Mode:	Config 1 DATA Link (USB)-SD Card (Read)	Test Date:	May 04, 2015
Tested By:	Eddy Cheng	Pol.:	L1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dВ	dBuV	dBuV	dВ	Detector	Comment
1	*	0.1500	41.10	9,95	51.05	66,00	-14.95	QP	A 1
2		0.1500	22.80	9.95	32.75	56.00	-23.25	AVG	
3	5	0.1740	32.80	9.95	42.75	64.77	-22.02	QP	
4		0.1740	21.00	9.95	30.95	54.77	-23.82	AVG	
5	T	0.2300	20.60	9.94	30.54	62.45	-31.91	QP	
6		0.2300	9.30	9.94	19.24	52.45	-33.21	AVG	
7		0.7780	11.10	9.94	21.04	56.00	-34.96	QP	
8		0.7780	1.90	9.94	11.84	46.00	-34.16	AVG	
9		1.8140	12.50	9.96	22.46	56.00	-33.54	QP	
10		1.8140	3.90	9.96	13.86	46.00	-32.14	AVG	
11		17.7660	16.00	10.19	26.19	60,00	-33.81	QP	
12		17.7660	7.50	10.19	17.69	50.00	-32.31	AVG	

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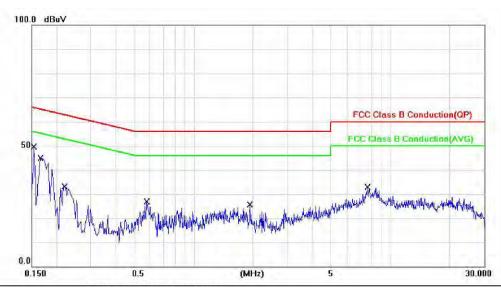


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Issue Date: Jul. 06, 2015

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Operation Mode:	Config 1 DATA Link (USB)-SD Card (Read)	Test Date:	May 04, 2015
Tested By:	Eddy Cheng	Pol.:	N



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dВ	Detector	Comment
1	*	0.1540	39.10	9.93	49.03	65.78	-16.75	QP	
2		0.1540	17.50	9.93	27.43	55.78	-28.35	AVG	
3		0.1660	36.10	9.93	46.03	65.16	-19.13	QP	
4		0.1660	19.50	9.93	29.43	55,16	-25.73	AVG	
5		0.2220	22.70	9.92	32.62	62.74	-30.12	QP	
6		0.2220	8.00	9.92	17.92	52.74	-34.82	AVG	
7		0.5780	12.60	9.92	22.52	56.00	-33.48	QP	
8	1	0.5780	4.10	9.92	14.02	46.00	-31.98	AVG	
9		1.9340	6.40	9.94	16.34	56.00	-39.66	QP	
10		1.9340	1.50	9.94	11.44	46.00	-34.56	AVG	
11		7.6620	15.90	10.06	25.96	60.00	-34.04	QP	
12		7.6620	9.20	10.06	19.26	50.00	-30.74	AVG	

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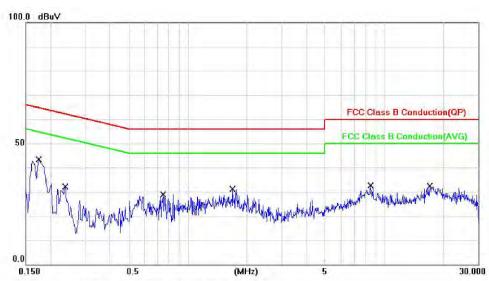
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Operation Mode:	Config 1 DATA Link (USB)-SD Card (Write)	Test Date:	May 04, 2015
Tested By:	Eddy Cheng	Pol.:	L1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dВ	Detector	Comment
1	*	0.1740	32.70	9.95	42.65	64.77	-22.12	QP	
2		0.1740	21.20	9.95	31.15	54.77	-23.62	AVG	
3		0.2380	18.70	9.94	28.64	62.17	-33.53	QP	
4	9	0.2380	7.80	9.94	17.74	52.17	-34.43	AVG	<i>y</i>
5	ř.	0.7500	14.00	9.94	23.94	56.00	-32.06	QP	
6		0.7500	2.10	9.94	12.04	46.00	-33.96	AVG	
7		1.6980	11.80	9.95	21.75	56.00	-34.25	QP	
8	7	1.6980	3.50	9.95	13.45	46.00	-32.55	AVG	
9		8.5180	15.20	10.09	25.29	60,00	-34.71	QP	
10		8.5180	7.70	10.09	17.79	50.00	-32.21	AVG	
11		16.9980	14.10	10.19	24.29	60.00	-35.71	QP	
12		16.9980	6.30	10.19	16.49	50.00	-33.51	AVG	

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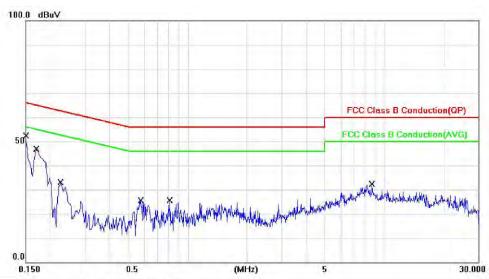
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Operation Mode:	Config 1 DATA Link (USB)-SD Card (Write)	Test Date:	May 04, 2015
Tested By:	Eddy Cheng	Pol.:	N



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dВ	dBuV	dBuV	dΒ	Detector	Comment
1	*	0.1500	39.50	9.93	49.43	66.00	-16.57	QP	
2		0.1500	16.00	9.93	25.93	56.00	-30.07	AVG	
3		0.1700	35.10	9.93	45.03	64.96	-19.93	QP	
4		0.1700	25.10	9.93	35.03	54.96	-19.93	AVG	
5		0.2260	21.90	9.92	31.82	62.60	-30.78	QP	
6		0.2260	12.10	9.92	22.02	52.60	-30.58	AVG	
7		0.5780	13.90	9.92	23.82	56.00	-32.18	QP	
8		0.5780	6.50	9.92	16.42	46.00	-29.58	AVG	
9		0.8100	7.90	9.93	17.83	56.00	-38.17	QP	
10		0.8100	1.30	9.93	11.23	46.00	-34.77	AVG	
11		8.6820	15.10	10.08	25.18	60.00	-34.82	QP	
12	1	8.6820	8.40	10.08	18.48	50.00	-31.52	AVG	

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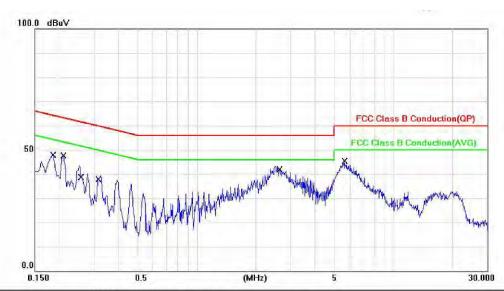


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Operation Mode:	Config 2 Recording (Front)	Test Date:	May 04, 2015
Tested By:	Eddy Cheng	Pol.:	L1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dВ	dBuV	dBuV	dB	Detector	Comment
1		0.1852	18.20	9.94	28.14	64.25	-36.11	QP	
2		0.1852	3.10	9.94	13.04	54.25	-41.21	AVG	
3		0.2084	25.90	9.94	35.84	63.27	-27.43	QP	
4		0.2084	10.70	9.94	20.64	53.27	-32.63	AVG	
5		0.2606	21.90	9.94	31.84	61.41	-29.57	QP	
6		0.2606	7.30	9.94	17.24	51.41	-34.17	AVG	
7		0.3113	17.90	9.93	27.83	59.94	-32.11	QP	
8		0.3113	5.80	9.93	15.73	49.94	-34.21	AVG	
9		2.6660	21.30	9.98	31.28	56.00	-24.72	QP	
10		2.6660	11.80	9.98	21.78	46.00	-24.22	AVG	
11		5.7220	24.90	10.03	34.93	60.00	-25.07	QP.	
12	*	5.7220	18.20	10.03	28.23	50.00	-21.77	AVG	

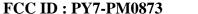
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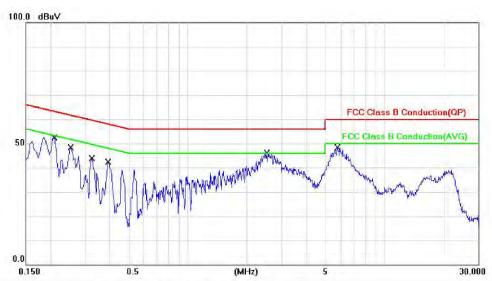
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Operation Mode:	Config 2 Recording (Front)	Test Date:	May 04, 2015
Tested By:	Eddy Cheng	Pol.:	N



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dВ	Detector	Comment
1	*	0.2086	40.20	9.92	50.12	63.26	-13.14	QP	
2		0.2086	25.50	9.92	35.42	53.26	-17.84	AVG	
3		0.2547	33.60	9.92	43.52	61.60	-18.08	QP	
4		0.2547	13.70	9.92	23.62	51.60	-27.98	AVG	
5		0.3242	29.10	9.92	39.02	59.60	-20.58	QP	
6		0.3242	10.40	9.92	20,32	49.60	-29.28	AVG	
7		0.3945	27.50	9.92	37.42	57.97	-20.55	QP	
8	7	0.3945	12.90	9.92	22.82	47.97	-25.15	AVG	
9		2.5000	31.90	9.96	41.86	56,00	-14.14	QP	
10		2.5000	20.70	9.96	30.66	46.00	-15.34	AVG	
11		5.7530	33.10	10.02	43.12	60.00	-16.88	QP	
12		5.7530	24.50	10.02	34.52	50.00	-15.48	AVG	

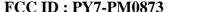
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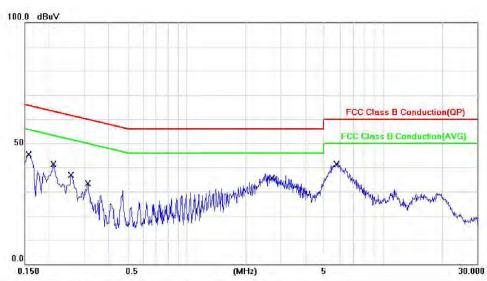
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Operation Mode:	Config 2 Recording (Back)	Test Date:	May 04, 2015
Tested By:	Eddy Cheng	Pol.:	L1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	αB	Detector	Comment
1	*	0.1573	35.90	9.95	45.85	65.61	-19.76	QP	
2		0.1573	20.30	9.95	30.25	55.61	-25.36	AVG	
3		0.2091	31.30	9.94	41.24	63.24	-22.00	QP	
4		0.2091	15.20	9.94	25.14	53.24	-28.10	AVG	
5	-	0.2612	27.10	9.94	37.04	61.39	-24.35	QP	
6		0.2612	11.20	9.94	21.14	51.39	-30.25	AVG	
7	)	0.3133	22.90	9.93	32.83	59.88	-27.05	QP	
8		0.3133	8.40	9.93	18.33	49.88	-31.55	AVG	
9		2.7100	20.80	9.98	30.78	56.00	-25.22	QP	
10	9	2.7100	12.90	9.98	22.88	46.00	-23.12	AVG	
11	1	5.8080	25.50	10.03	35.53	60.00	-24.47	QP	
12		5.8080	18.40	10.03	28.43	50.00	-21.57	AVG	

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Report No.: EM/2015/40069

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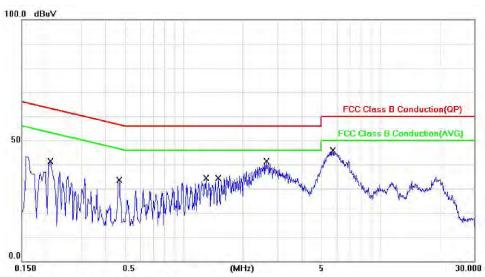
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Operation Mode: Config 2 Recording (Back)

Tested By: Eddy Cheng

Test Date: May 04, 2015

Pol.: N



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dВ	dBuV	dBuV	dB	Detector	Comment	
1	*	0.2090	38.10	9.92	48.02	63.24	-15.22	QP		
2		0.2090	23.40	9.92	33.32	53.24	-19.92	AVG		
3		0.4623	22.90	9.92	32.82	56.65	-23.83	QP		
4	4	0.4623	7.40	9.92	17.32	46.65	-29.33	AVG		
5		1.3168	22.60	9.93	32.53	56.00	-23.47	QP		
6		1.3168	9.20	9.93	19.13	46.00	-26.87	AVG		
7		1.5156	16.30	9.94	26.24	56.00	-29.76	QP		
8		1.5156	5.50	9.94	15.44	46.00	-30.56	AVG		
9		2.6442	27.30	9.96	37.26	56.00	-18.74	QP		
10		2.6442	15.90	9.96	25.86	46.00	-20.14	AVG		
11		5.6990	30.70	10.02	40.72	60.00	-19.28	QP		
12	100	5.6990	22.00	10.02	32.02	50.00	-17.98	AVG		

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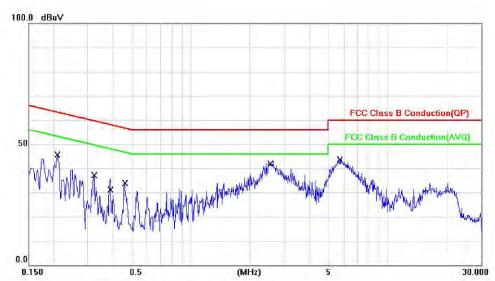


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**Page** 

Operation Mode:	Config 2 play recording	Test Date:	May 04, 2015
Tested By:	Eddy Cheng	Pol.:	L1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dВ	dBuV	dBuV	dB	Detector	Comment	
1	*	0.2094	35.90	9.94	45.84	63.23	-17.39	QP		
2		0.2094	21.10	9.94	31.04	53.23	-22.19	AVG		
3		0.3256	22.30	9.93	32.23	59.56	-27.33	QP		
4	7	0.3256	5.90	9.93	15.83	49.56	-33.73	AVG		
5	-	0.3957	23.70	9,93	33.63	57.94	-24.31	QP		
6		0.3957	8.00	9.93	17.93	47.94	-30.01	AVG		
7		0.4624	19.50	9.93	29.43	56,65	-27.22	QP		
8	P ==	0.4624	6.40	9.93	16.33	46.65	-30.32	AVG		
9		2.5620	28.60	9.98	38.58	56.00	-17.42	QP		
10	9 7	2.5620	17.90	9.98	27.88	46.00	-18.12	AVG		
11		5.7350	28.50	10.03	38.53	60.00	-21.47	QP		
12		5.7350	21.50	10.03	31.53	50.00	-18.47	AVG		

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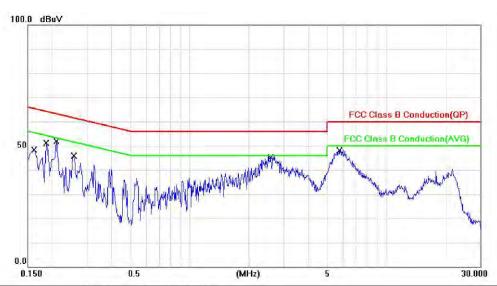
**FCC ID: PY7-PM0873** 

Report No.: EM/2015/40069 Issue Date: Jul. 06, 2015

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Operation Mode:	Config 2 play recording	Test Date:	May 04, 2015
Tested By:	Eddy Cheng	Pol.:	N



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dВ	dBuV	dBuV	dВ	Detector	Comment
1	0.1621	34.10	9.93	44.03	65.36	-21.33	QP	
2	0.1621	14.60	9.93	24.53	55.36	-30.83	AVG	
3	0.1860	36.20	9.92	46.12	64.21	-18.09	QP	
4	0.1860	16.00	9.92	25.92	54.21	-28.29	AVG	
5	0.2087	37.50	9.92	47.42	63.26	-15.84	QP	
6	0.2087	22.90	9.92	32.82	53.26	-20.44	AVG	
7	0.2553	31.30	9.92	41.22	61.58	-20.36	QP	
8	0.2553	11.80	9.92	21.72	51.58	-29.86	AVG	
9	2.6080	30.40	9.96	40.36	56.00	-15.64	QP	
10 *	2.6080	20.70	9.96	30.66	46.00	-15.34	AVG	
11	5.7430	31.70	10.02	41.72	60.00	-18.28	QP	
12	5.7430	22.90	10.02	32.92	50.00	-17.08	AVG	

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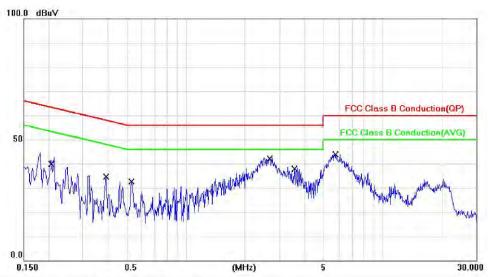
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Issue Date: Jul. 06, 2015
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Operation Mode:	Config 2 MP3	Test Date:	May 04, 2015
Tested By:	Eddy Cheng	Pol.:	L1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV	dBuV	dΒ	Detector	Comment	
1		0.2100	34.20	9.94	44.14	63.21	-19.07	QP		
2		0.2100	19.60	9.94	29.54	53.21	-23.67	AVG		
3		0.3933	19.70	9.93	29.63	57.99	-28.36	QP		
4		0.3933	6.40	9.93	16.33	47.99	-31.66	AVG		
5	1	0.5303	15.90	9.93	25.83	56.00	-30.17	QP		
6		0.5303	12.50	9.93	22.43	46.00	-23.57	AVG		
7		2.6300	27.80	9.98	37.78	56.00	-18.22	QP		
8	*	2.6300	18.70	9.98	28,68	46,00	-17.32	AVG		
9		3.5880	18.60	9.99	28.59	56.00	-27.41	QP		
10		3.5880	9.90	9.99	19.89	46.00	-26.11	AVG		
11		5.6860	28.60	10.03	38.63	60.00	-21.37	QP		
12		5.6860	20.70	10.03	30.73	50.00	-19.27	AVG		

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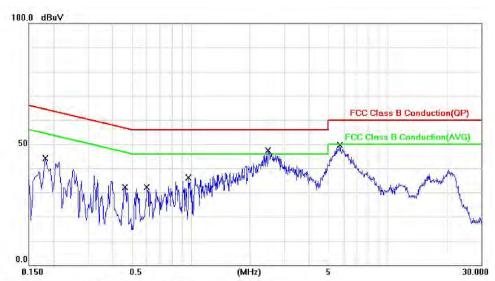
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Operation Mode:	Config 2 MP3	Test Date:	May 04, 2015
Tested By:	Eddy Cheng	Pol.:	Ν



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dΒ	Detector	Comment
1		0.1846	32.50	9.92	42.42	64.28	-21.86	QP	
2		0.1846	12.70	9.92	22.62	54.28	-31.66	AVG	
3	+	0.4652	19.20	9.92	29.12	56.60	-27.48	QP	
4		0.4652	9.00	9.92	18.92	46.60	-27.68	AVG	
5		0.5983	20.50	9.92	30.42	56.00	-25.58	QP	
6		0.5983	9.60	9.92	19.52	46.00	-26.48	AVG	
7		0.9827	22.80	9.93	32.73	56.00	-23.27	QP	
8		0.9827	9.90	9.93	19.83	46.00	-26.17	AVG	
9	*	2.4830	34.60	9.96	44.56	56.00	-11.44	QP	
10		2.4830	21.80	9.96	31.76	46.00	-14.24	AVG	
11		5.7180	32.80	10.02	42.82	60.00	-17.18	QP	
12		5 7180	23.90	10.02	33.92	50.00	-16 08	AVG	

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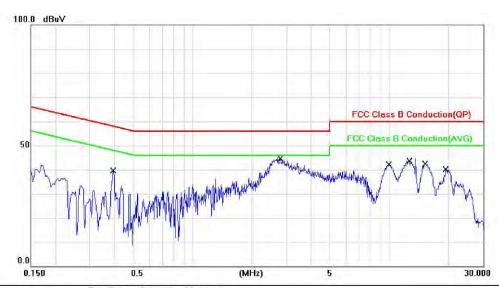
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Operation Mode:	Config 3 Recording (Front)	Test Date:	May 23, 2015
Tested By:	Eddy Cheng	Pol.:	L1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dВ	dBuV	dBuV	dВ	Detector	Comment
1		0.3940	37.60	0.04	37.64	57.98	-20.34	QP	
2		0.3940	30.40	0.04	30.44	47.98	-17.54	AVG	
3		2.8138	39.90	0.10	40.00	56.00	-16.00	QP	
4	*	2.8138	30.20	0.10	30.30	46.00	-15.70	AVG	
5		9.9180	37.20	0.31	37.51	60.00	-22.49	QP	
6		9.9180	27.60	0.31	27.91	50.00	-22.09	AVG	
7		12.6260	38.00	0.35	38.35	60.00	-21.65	QP	
8		12.6260	28.40	0.35	28.75	50.00	-21.25	AVG	
9		15.2100	36.80	0.41	37.21	60.00	-22.79	QP	
10	1 111	15.2100	26.70	0.41	27.11	50.00	-22.89	AVG	
11		19.3500	32.80	0.48	33.28	60.00	-26.72	QP	
12		19.3500	21.90	0.48	22.38	50.00	-27.62	AVG	

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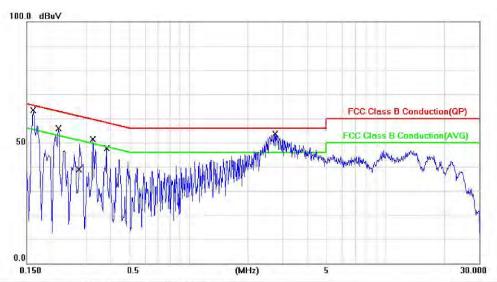
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Operation Mode:	Config 3 Recording (Front)	Test Date:	May 23, 2015
Tested By:	Eddy Cheng	Pol.:	N



No. 1	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dВ	dBuV	dBuV	dВ	Detector	Comment
1		0.1620	58.70	0.06	58.76	65.36	-6.60	QP	
2		0.1620	43.80	0.06	43.86	55.36	-11.50	AVG	
3		0.2180	48.30	0.06	48.36	62.89	-14.53	QP	
4		0.2180	32.80	0.06	32.86	52.89	-20.03	AVG	
5		0.2728	43.60	0.06	43.66	61.03	-17.37	QP	
6		0.2728	26.30	0.06	26.36	51.03	-24.67	AVG	
7		0.3282	42.20	0.06	42.26	59.50	-17.24	QP	
8		0.3282	28.90	0.06	28.96	49.50	-20.54	AVG	
9		0.3817	39.90	0.06	39.96	58.24	-18.28	QP	
10		0.3817	26.70	0.06	26.76	48.24	-21.48	AVG	
11 *		2.7240	51.50	0.11	51.61	56.00	-4.39	QP	
12		2.7240	40.70	0.11	40.81	46.00	-5.19	AVG	

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## 2.5 Test of Radiated Emission

#### 2.5.1 Test Instruments

#### **Below 1GHz**

	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 26, 2014	May 25, 2015							
EMI Test Receiver	R&S	ESCI 7	100760	May 04, 2015	May 03, 2016							
Biconical Antenna	Schwarzbeck	VHBB 9124	9124-560	Nov. 14, 2014	Nov. 13, 2015							
Log-Periodic Antenna	Schwarzbeck	UHALP 9108 A	UHALP 9108-A 0990	Nov. 14, 2014	Nov. 13, 2015							
Broadband Antenna	SCHWAZBECK VULB9168		VULB9168-298	Nov. 04, 2014	Nov. 03, 2015							
Pre-Amplifier	Agilent	8447D	1937A02774	Mar. 27, 2015	Mar. 26, 2016							
Coaxial Cable	Huber+Suhner	SUCCOFLEX 104-02	966 II	Nov. 26, 2014	Nov. 25, 2015							
Communication Tester	R&S	CMU200	119988	Nov.25, 2014	Nov.24, 2015							
Antenna Master	MF.	MF-7802	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	96611 Chamber	N/A	Dec. 21, 2014	Dec. 20, 2015							
Test Software	Farad	EZ-EMC	Ver. SGS-03A2	N.C.R.	N.C.R.							

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### **Above 1GHz**

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 26, 2014	May 25, 2015
EMI Test Receiver	R&S	ESCI 7	100760	May 04, 2015	May 03, 2016
Spectrum Analyzer	R&S	FSV 40	101385	Aug. 01, 2014	Jul. 31, 2015
Horn Antenna	SCHWAZBECK	BBHA 9120D	BBHA9120D309	Dec. 24, 2014	Dec. 23, 2015
Horn Antenna	SCHWAZBECK	BBHA 9170	BBHA9170184	Dec. 25, 2014	Dec. 24, 2015
Pre Amplifier	EMC Instruments	EMC012645	980119	Jun. 10, 2014	Jun. 09, 2015
Pre-Amplifier	EM Electronics Corp.	EM26400	971576	Oct. 02, 2014	Oct. 01, 2015
Coaxial Cable	Huber+Suhner	SUCCOFLEX 104PEA	966 II	Nov. 26, 2014	Nov. 25, 2015
Coaxial Cable	Huber+Suhner	SUCCOFLEX 102	22962/2	Nov. 26, 2014	Nov. 25, 2015
Coaxial Cable	Huber+Suhner	SUCCOFLEX 102	23051/2	Nov. 26, 2014	Nov. 25, 2015
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	MY 2152/2	Jun. 06, 2014	Jun. 05, 2015
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	MY 2153/2	Jun. 06, 2014	Jun. 05, 2015
Communication Tester	R&S	CMU200	119988	Nov.25, 2014	Nov.24, 2015
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 VSWR	Chamost	966II Chamber	N/A	Dec. 21, 2014	Dec. 20, 2015
Test Software	Farad	EZ-EMC	Ver. SGS-03A2	N.C.R.	N.C.R.

#### 2.5.2 Test Site

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# 2.5.3 Operating Environment

Temperature: 25 degree C Humidity: 65 %RH

Atmospheric Pressure: 996 mBar

## 2.5.4 Uncertainty of Radiated Emission

Expanded uncertainty (k=2) of radiated emission measurement is 4.96 dB. (30-1000MHz)

Expanded uncertainty (k=2) of radiated emission measurement is 5.03 dB. (1-6GHz)

Expanded uncertainty (k=2) of radiated emission measurement is 5.18 dB. (6-18GHz)

Expanded uncertainty (k=2) of radiated emission measurement is 4.76 dB. (18-26GHz)

Expanded uncertainty (k=2) of radiated emission measurement is 4.68 dB. (26-40GHz)

### 2.5.5 Measurement level and Factor calculate method

Correct Factor = Antenna Factor + Cable loss- Amplifier Gain

Measurement Level = Reading Level + Correct Factor

Over (Margin) = Measurement Level - Limit

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台灣檢驗科技股份有限公司

Member of SGS Group



Report No.: EM/2015/40069 **FCC ID: PY7-PM0873** 

Issue Date: Jul. 06, 2015

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#### 2.5.6 Measurement Data

### **Below 1GHz**

Operation Mode:	Config 1 DATA Link (USB)-SD Card (Write)	Test Date:	May 28, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		52.8300	27.17	-12.35	14.82	40.00	-25.18	QP	
2		137.9700	29.60	-12.65	16.95	43.50	-26.55	QP	
3		172,5100	29.60	-12.71	16.89	43.50	-26.61	QP	
4		211,9300	31.50	-14.73	16.77	43.50	-26.73	QP	
5		496.3000	27.56	-7.43	20.13	46.00	-25.87	QP	
6	*	560 3800	27 89	-5.96	21.93	46 00	-24 07	QP	

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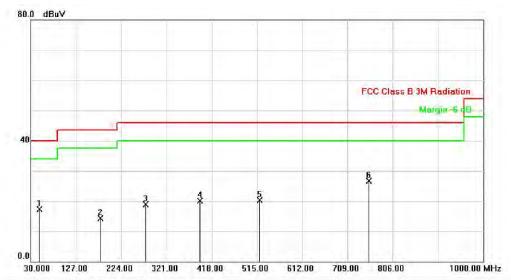
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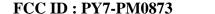
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		48.5000	29.38	-12.11	17.27	40.00	-22.73	QP	
2		179.8100	28.04	-13.83	14.21	43.50	-29.29	QP	
3		275.9600	31.10	-12.19	18.91	46.00	-27.09	QP	
4		393.3200	29.52	-9.35	20.17	46.00	-25.83	QP	
5		521.3500	27.20	-6.89	20.31	46.00	-25.69	QP	
6	*	755.0600	27.74	-1.07	26.67	46.00	-19.33	QP	

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Operation Mode:	Config 2 Recording (Front)	Test Date:	May 28, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	39.0100	33.10	-12.70	20.40	40.00	-19.60	QP	
2		85.0800	36.80	-17.71	19.09	40.00	-20.91	QP	
3	-	123.9700	28.66	-14.08	14.58	43.50	-28.92	QP	
4		155.8000	27.90	-12.17	15.73	43.50	-27.77	QP	
5		208.1500	27.87	-14.81	13.06	43,50	-30.44	QP	
6		364 3300	27.72	10.17	17.56	46.00	28 44	OP	

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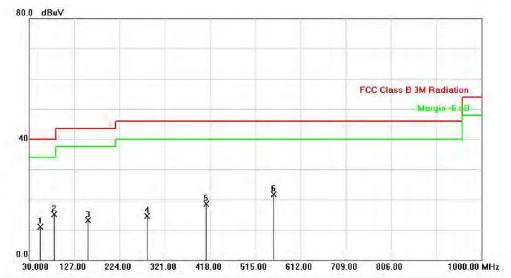
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over						
	MHz	MHz	MHz	MHz	MHz	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		54.3600	23.50	-12.50	11.00	40.00	-29.00	QP					
2	-	84.1900	32.70	-17.52	15.18	40.00	-24.82	QP					
3		155.7600	25.30	-12.17	13.13	43.50	-30.37	QP					
4		282.4300	26.44	-12.01	14.43	46.00	-31.57	QP					
5		409.5500	27.52	-8.98	18.54	46.00	-27.46	QP					
6	*	554 4600	27.80	-6 12	21.68	46.00	-24 32	OP					

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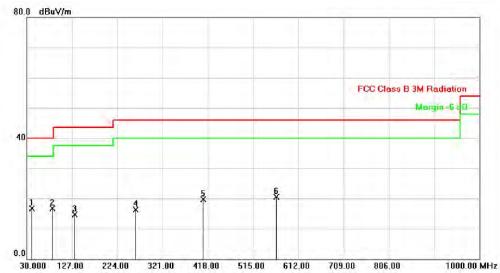
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Operation Mode:	Config 2 Recording (Back)	Test Date:	Apr. 27, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	41.0400	29.20	-12.51	16.69	40.00	-23.31	QP		
2	1 11	85.3800	34.40	-17.78	16.62	40.00	-23.38	QP		
3		132.4100	27.82	-13.12	14.70	43.50	-28.80	QP		
4		264.0000	29.20	-12.80	16.40	46.00	-29.60	QP		
5	T	407.9900	28.70	-9.01	19.69	46.00	-26.31	QP		
6		564.5900	26.27	-5.85	20.42	46.00	-25.58	QP		

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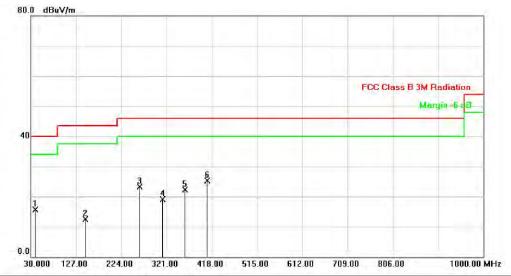
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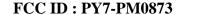
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		40.0500	28.39	-12.59	15.80	40.00	-24.20	QP	
2		146.9800	24.90	-12.33	12.57	43.50	-30.93	QP	
3	īī	263.9900	36.10	-12.80	23.30	46.00	-22.70	QP	
4		312.0150	30.50	-11.31	19.19	46.00	-26.81	QP	
5		360.0000	32.60	-10.30	22,30	46.00	-23.70	QP	
6	*	408.0040	34.40	-9.01	25.39	46.00	-20.61	QP	

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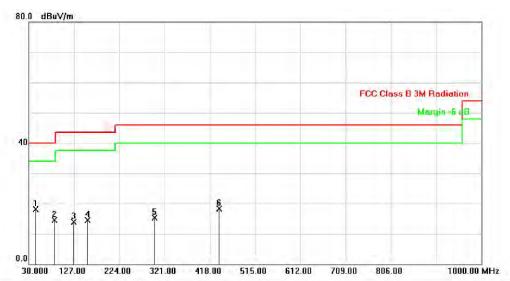


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Operation Mode:	Config 2 play recording	Test Date:	Apr. 27, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	44.3000	30.30	-12.12	18.18	40.00	-21.82	QP	
2		84.6600	31.98	-17.49	14.49	40.00	-25.51	QP	
3	1	126.3000	27.60	-13.60	14.00	43.50	-29.50	QP	
4		156.0900	26.56	-11.96	14.60	43.50	-28.90	QP	
5		299.5500	26.27	-11.01	15.26	46.00	-30.74	QP	
6		438 3700	26.12	-7 73	18 39	46.00	-27 61	OP	

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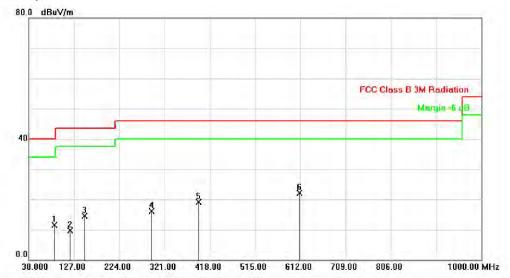
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		84.7200	28.92	-17.50	11.42	40.00	-28.58	QP	
2		118.9500	24.30	-14.53	9.77	43.50	-33.73	QP	
3		149.1900	26.69	-12.09	14.60	43.50	-28.90	QP	
4		292.9800	27.39	-11.29	16.10	46.00	-29.90	QP	
5	7.	394.2300	27.81	-8.79	19.02	46.00	-26.98	QP	
6	*	610 0600	26 14	-4.03	22 11	46 00	-23 89	QP	

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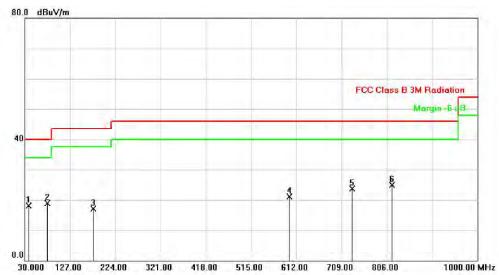


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Operation Mode:	Config 2 MP3	Test Date:	Apr. 27, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		38.7300	30.80	-12.73	18.07	40.00	-21.93	QP	
2		78.7200	35.20	-16.33	18.87	40.00	-21.13	QP	
3		177.1100	30.45	-13.42	17.03	43.50	-26.47	QP	
4		596.6100	26.10	-4.95	21.15	46.00	-24.85	QP	
5		731.9100	25.27	-1.62	23.65	46.00	-22.35	QP	
6	*	816.3800	25.38	-0.46	24.92	46.00	-21.08	QP	

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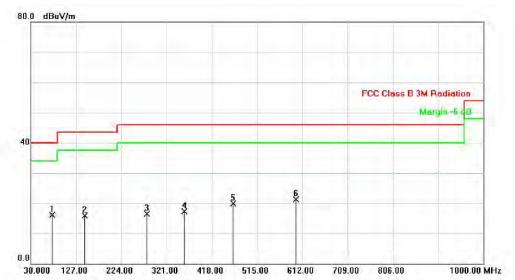
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	75.6200	32.00	-15.80	16.20	40.00	-23.80	QP		
2		146.3400	28.32	-12.35	15.97	43.50	-27.53	QP		
3		278.5700	28.68	-12.10	16.58	46.00	-29.42	QP		
4		359.5600	27.56	-10.31	17.25	46.00	-28.75	QP		
5		463.3000	27.94	-7.95	19.99	46.00	-26.01	QP		
6		508 7800	26.16	_1 80	21.27	46.00	-24 73	OP		

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Operation Mode:	Config 3 Recording (Front)	Test Date:	May 22, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	36.4600	41.40	-12.96	28.44	40.00	-11.56	QP		
2		83.5200	30.30	-17.36	12.94	40.00	-27.06	QP		
3	U 1 1	119.9600	38.50	-14.58	23.92	43.50	-19.58	QP		
4		175.8600	28.22	-13.22	15.00	43.50	-28.50	QP		
5		211.0800	29.29	-14.73	14.56	43.50	-28.94	QP		
6		525 7200	27.00	6.80	21.10	46.00	24.00	OP		

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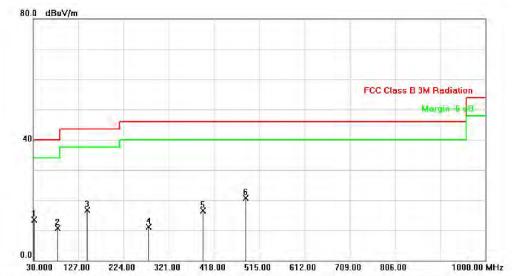
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		32.4200	26.80	-13.24	13.56	40.00	-26.44	QP	
2		82.6800	27.90	-17.17	10.73	40.00	-29.27	QP	
3	6	146.0500	29.00	-12.35	16.65	43.50	-26,85	QP	
4	2	277.5900	23.20	-12.14	11.06	46.00	-34.94	QP	
5		393.5900	25.85	-9.36	16.49	46.00	-29.51	QP	
6 '		485 5600	28 29	-7 59	20.70	46.00	-25 30	OP	

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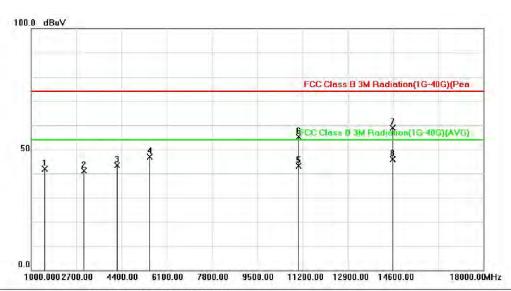
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# Above 1 - 18 GHz

Operation Mode:	Config 1 DATA Link (USB)-SD Card (Write)	Test Date:	May 29, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	o. Mk.	c. Freq.	Freq.	Mk. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment		
1		1510,000	58.30	-16,40	41.90	74.00	-32.10	peak			
2		2989.000	54.28	-13.08	41.20	74.00	-32.80	peak			
3		4230.000	53.99	-10.73	43.26	74.00	-30.74	peak			
4		5454.000	55.28	-8.33	46.95	74.00	-27.05	peak			
5		11046.720	38.87	4.31	43.18	54.00	-10.82	AVG			
6		11047.000	50.88	4.31	55.19	74.00	-18.81	peak			
7		14583.000	49.58	9.27	58.85	74.00	-15.15	peak			
8	*	14583.320	36.67	9.27	45.94	54.00	-8.06	AVG			

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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1748.000	54.12	-16.21	37.91	74.00	-36.09	peak	
2		3329.000	54.29	-12.31	41.98	74.00	-32.02	peak	
3		4298.000	54.16	-10.56	43.60	74.00	-30.40	peak	
4		5930.000	54.55	-7.23	47.32	74.00	-26.68	peak	
5		11268.000	51.23	4.47	55.70	74.00	-18.30	peak	
6	1	11268.180	38.06	4.47	42.53	54.00	-11.47	AVG	
7	*	14191.740	36.37	9.04	45.41	54.00	-8.59	AVG	
8		14192.000	49.93	9.04	58.97	74.00	-15.03	peak	

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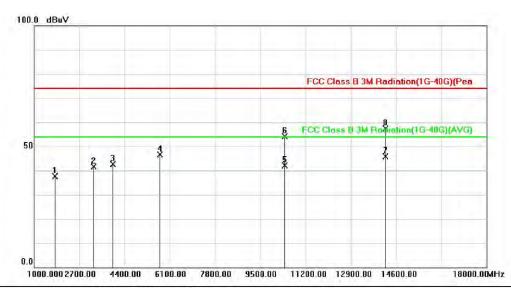


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Operation Mode:	Config 2 Recording (Front)	Test Date:	May 29, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1782.000	53.89	-16.20	37.69	74.00	-36.31	peak	
2		3227.000	54.06	-12.54	41.52	74.00	-32.48	peak	
3		3958.000	53.94	-11.30	42.64	74.00	-31.36	peak	
4		5726.000	54.39	-7.72	46.67	74.00	-27.33	peak	
5		10417.680	38.38	3.69	42.07	54.00	-11.93	AVG	
6		10418.000	50.32	3.69	54.01	74.00	-19.99	peak	
7	*	14208.760	36.80	9.06	45.86	54.00	-8.14	AVG	
8		14209.000	48.33	9.06	57.39	74.00	-16.61	peak	

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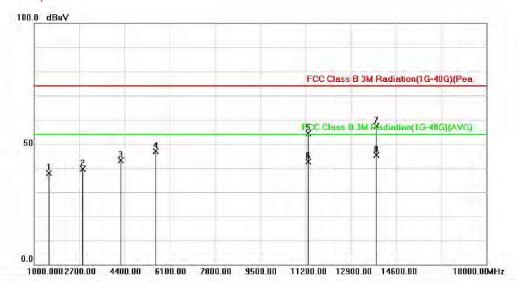
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1544.000	54.34	-16.36	37.98	74.00	-36.02	peak	
2		2819.000	53.53	-13.87	39.66	74.00	-34.34	peak	
3		4247.000	53.71	-10.67	43.04	74.00	-30.96	peak	
4		5556.000	54.89	-8.13	46.76	74.00	-27.24	peak	
5		11302.000	49.93	4.50	54.43	74.00	-19,57	peak	
6		11302.180	38.05	4.50	42.55	54.00	-11.45	AVG	
7	9	13869.000	49.11	8.18	57.29	74.00	-16.71	peak	
8	*	13869 260	37.08	8 19	45 27	54.00	-8.73	AVG	

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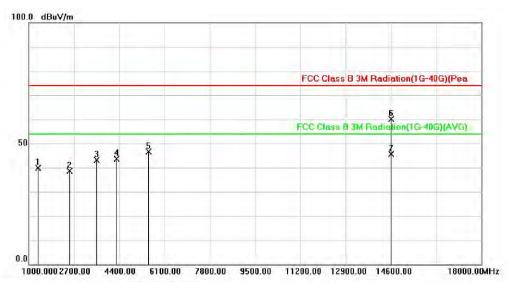


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Operation Mode:	Config 2 Recording (Back)	Test Date:	Apr. 30, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1357.000	55.14	-15.17	39.97	74.00	-34.03	peak	
2		2530.000	53.84	-15.20	38.64	74.00	-35.36	peak	
3		3550.000	55.02	-11.85	43.17	74.00	-30.83	peak	
4		4298,000	54.12	-10.56	43.56	74.00	-30.44	peak	
5		5488.000	54.81	-8.29	46.52	74.00	-27.48	peak	
6		14600.000	57.03	3.04	60.07	74.00	-13.93	peak	
7	*	14600.320	57.03	-11.39	45 64	54.00	-8 36	AVG	

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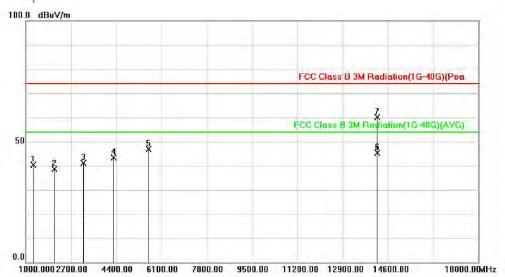
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1289,000	55.44	-15.05	40.39	74.00	-33.61	peak	
2		2071.000	54.53	-15.93	38.60	74.00	-35.40	peak	
3		3159.000	53.88	-12.67	41.21	74.00	-32.79	peak	
4		4298.000	54.00	-10.56	43.44	74.00	-30.56	peak	
.5	+ []	5607.000	54.85	-8.03	46.82	74.00	-27.18	peak	
6	*	14208.640	56.98	-11.58	45.40	54.00	-8.60	AVG	
7	. 7	14209 000	56.98	3.10	60.08	74.00	-13 92	neak	

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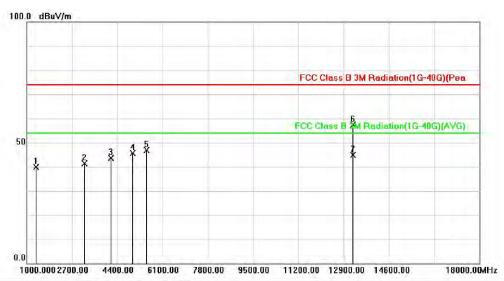
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Operation Mode:	Config 2 play recording	Test Date:	Apr. 30, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	1340,000	54.94	-15.04	39.90	74,00	-34.10	peak	
	3159.000	54.03	-12.67	41.36	74.00	-32.64	peak	
17	4162.000	54.58	-10.87	43.71	74.00	-30.29	peak	
	4978.000	54.67	-8.98	45.69	74.00	-28.31	peak	
1 - 7	5488.000	55.13	-8.29	46.84	74.00	-27.16	peak	
	13240.000	54.20	3.21	57.41	74.00	-16.59	peak	
*	13240.360	54.20	-9.30	44.90	54.00	-9.10	AVG	
		MHz 1340,000 3159,000 4162,000 4978,000 5488,000 13240,000	Mk. Freq. Level  MHz dBuV  1340.000 54.94  3159.000 54.58  4978.000 54.67  5488.000 55.13  13240.000 54.20	Mk.         Freq.         Level         Factor           MHz         dBuV         dB           1340,000         54,94         -15.04           3159,000         54.03         -12.67           4162,000         54.58         -10.87           4978,000         54.67         -8.98           5488,000         55.13         -8.29           13240,000         54.20         3.21	Mk.         Freq.         Level         Factor         ment           MHz         dBuV         dB         dBuV/m           1340,000         54.94         -15.04         39.90           3159,000         54.03         -12.67         41.36           4162,000         54.58         -10.87         43.71           4978,000         54.67         -8.98         45.69           5488,000         55.13         -8.29         46.84           13240,000         54.20         3.21         57.41	Mk.         Freq.         Level         Factor         ment         Limit           MHz         dBuV         dB         dBuV/m         dBuV/m           1340.000         54.94         -15.04         39.90         74.00           3159.000         54.03         -12.67         41.36         74.00           4162.000         54.58         -10.87         43.71         74.00           4978.000         54.67         -8.98         45.69         74.00           5488.000         55.13         -8.29         46.84         74.00           13240.000         54.20         3.21         57.41         74.00	Mk.         Freq.         Level         Factor         ment         Limit         Over           MHz         dBuV         dB         dBuV/m         dBuV/m         dB         dB         dBuV/m         dB         dB	Mk.         Freq.         Level         Factor         ment         Limit         Over           MHz         dBuV         dB         dBuV/m         dBuV/m         dB         Detector           1340.000         54.94         -15.04         39.90         74.00         -34.10         peak           3159.000         54.03         -12.67         41.36         74.00         -32.64         peak           4162.000         54.58         -10.87         43.71         74.00         -30.29         peak           4978.000         54.67         -8.98         45.69         74.00         -28.31         peak           5488.000         55.13         -8.29         46.84         74.00         -27.16         peak           13240.000         54.20         3.21         57.41         74.00         -16.59         peak

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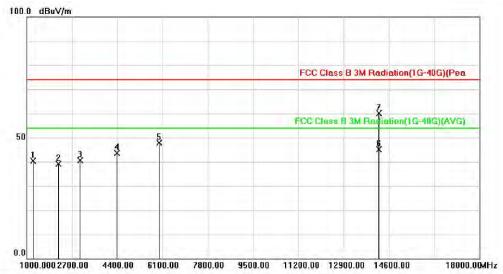
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1238,000	56.44	-15.97	40.47	74.00	-33.53	peak	
2	110	2190,000	54.93	-15.75	39.18	74.00	-34.82	peak	
3		3006.000	53.55	-13.03	40.52	74.00	-33.48	peak	
4		4383.000	53.91	-10.37	43.54	74.00	-30.46	peak	
5		5981.000	54.88	-7.11	47.77	74.00	-26.23	peak	
6	*	14225.740	57.01	-11.90	45.11	54.00	-8.89	AVG	
7	- 3	14226,000	57.01	3.10	60.11	74.00	-13.89	peak	

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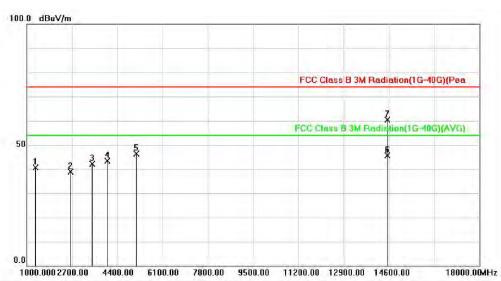
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Operation Mode:	Config 2 MP3	Test Date:	Apr. 30, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1323.000	55.59	-14.90	40.69	74.00	-33.31	peak	
2		2649.000	53.54	-14.64	38.90	74.00	-35.10	peak	
3		3448.000	54.08	-12.03	42.05	74.00	-31.95	peak	
4		4026.000	54.56	-11.19	43.37	74.00	-30.63	peak	
5		5114.000	55.06	-8.78	46.28	74.00	-27.72	peak	
6	*	14548,680	57.22	-11.52	45.70	54.00	-8.30	AVG	
7		14549 000	57 22	3 17	60.39	74.00	-13.61	neak	

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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1323.000	56.04	-14.90	41.14	74.00	-32.86	peak	
2		2054.000	55.13	-15.95	39.18	74.00	-34.82	peak	
3		3193.000	55.84	-12.60	43.24	74.00	-30.76	peak	
4		4315.000	54.58	-10.54	44.04	74.00	-29.96	peak	
5		5573.000	55.00	-8.10	46.90	74.00	-27.10	peak	
6		14583.000	57.09	2.55	59.64	74.00	-14.36	peak	
7	*	14583.440	57.09	-11.49	45.60	54.00	-8.40	AVG	

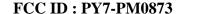
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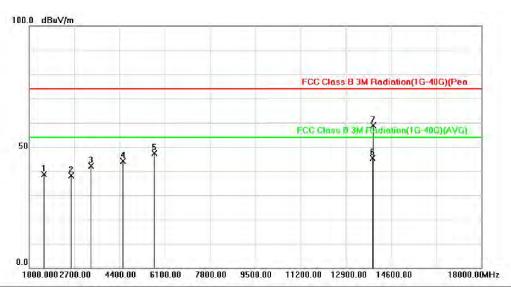


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Operation Mode:	Config 3 Recording (Front)	Test Date:	May 22, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1561.000	54.97	-16.35	38.62	74.00	-35.38	peak	
2		2564.000	53.06	-15.05	38.01	74.00	-35.99	peak	
3		3329.000	54.37	-12.31	42.06	74.00	-31.94	peak	
4		4519.000	54.19	-10.06	44.13	74.00	-29.87	peak	
5		5709.000	55.13	-7.76	47.37	74.00	-26.63	peak	
6	*	13919.840	37.08	8.39	45.47	54.00	-8.53	AVG	
7		13920.000	50.61	8.39	59.00	74.00	-15.00	peak	

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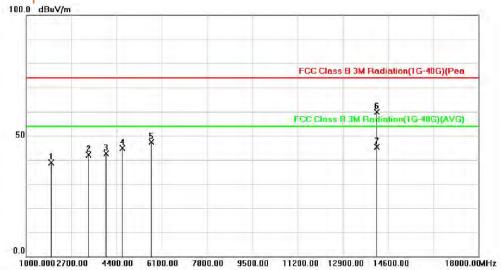
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		1935.000	54.83	-16.07	38.76	74.00	-35.24	peak		
2		3346.000	54.50	-12.27	42.23	74.00	-31.77	peak		
3	-	4009.000	53.94	-11.23	42.71	74.00	-31.29	peak		
4		4621.000	54.72	-9.82	44.90	74.00	-29.10	peak		
5	1	5692.000	55.09	-7.81	47.28	74.00	-26.72	peak		
6		14175.000	50.99	9.01	60.00	74.00	-14.00	peak		
7	*	14175.220	36.26	9.01	45.27	54.00	-8.73	AVG		

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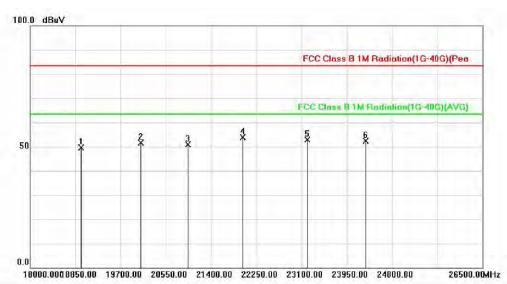
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Above 18 - 26.5 GHz

Operation Mode:	Config 1 DATA Link (USB)-SD Card (Write)	Test Date:	May 29, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		18952.000	61.40	-11.84	49.56	83.50	-33.94	peak	
2	1	20074.000	64.52	-12.88	51.64	83.50	-31.86	peak	
3		20958.000	62.71	-11.76	50.95	83.50	-32.55	peak	
4	*	21995.000	65.12	-11.23	53.89	83.50	-29.61	peak	
5		23202.000	63.57	-10.65	52.92	83.50	-30.58	peak	
6		24307.000	62.84	-10.41	52.43	83.50	-31.07	peak	

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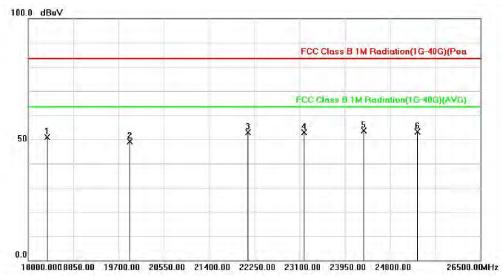
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No.	Mk. F	req.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	- 15	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	1835	57.000	63.56	-12.65	50.91	83.50	-32,59	peak	
2	1990	04.000	61.92	-12.67	49.25	83.50	-34.25	peak	
3	2213	31.000	64.24	-11.26	52.98	83.50	-30.52	peak	
4	2318	35.000	63.60	-10.67	52.93	83.50	-30.57	peak	
5	* 2430	07.000	64.05	-10.41	53.64	83.50	-29.86	peak	
6	2531	10.000	61.34	-8.20	53.14	83.50	-30.36	peak	

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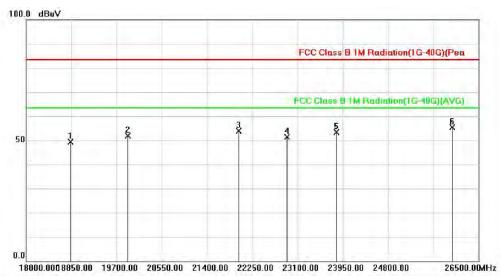
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Operation Mode:	Config 2 Recording (Front)	Test Date:	May 29, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		18833.000	61.28	-12.00	49.28	83.50	-34.22	peak	
2		19904.000	64.66	-12.67	51.99	83.50	-31.51	peak	
3	3	21995.000	65.12	-11.23	53.89	83.50	-29.61	peak	
4		22896.000	62.40	-10.91	51.49	83.50	-32.01	peak	
5	17	23831.000	64.22	-10.94	53.28	83.50	-30.22	peak	
6	*	26007.000	64.04	-8 75	55.29	83.50	-28 21	neak	

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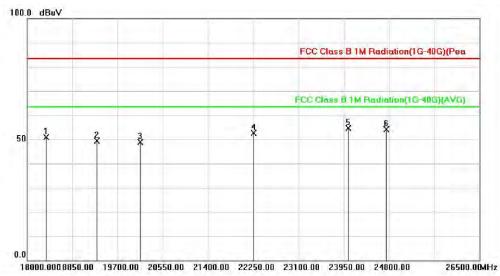
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No.	Mk. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	18357.000	63.56	-12.65	50.91	83.50	-32,59	peak	
2	19309.000	60.93	-11.44	49.49	83.50	-34.01	peak	
3	20125.000	61.76	-12.79	48.97	83.50	-34.53	peak	
4	22250.000	63.95	-11.28	52.67	83.50	-30.83	peak	
5	24035.000	65.77	-11.11	54.66	83.50	-28.84	peak	
6	24749.000	63.79	-9.72	54.07	83.50	-29.43	peak	

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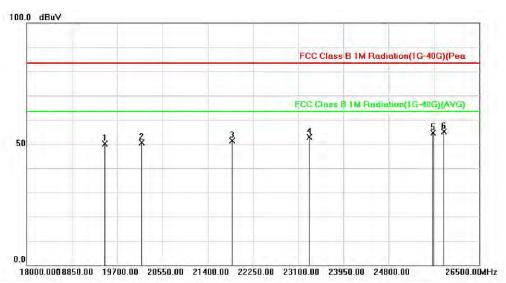
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Operation Mode:	Config 2 Recording (Back)	Test Date:	May 08, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz dBuV dB	dBuV/m	dBuV/m	dB	Detector	Comment		
1	· ·	19462.000	61.33	-11.28	50.05	83.50	-33.45	peak	
2	2	20159.000	63,41	-12.73	50.68	83.50	-32.82	peak	
3	2	21859.000	62.57	-11.29	51.28	83.50	-32.22	peak	
4	2	23304.000	63.53	-10.58	52.95	83.50	-30.55	peak	
5	2	25633.000	62.30	-7.75	54.55	83.50	-28,95	peak	
6	* -	25827 000	62.47	8 30	55 17	83.50	28 33	neak	

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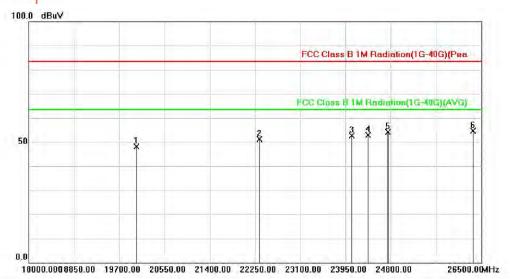
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2	20023.000	61.19	-12.97	48.22	83.50	-35.28	peak	
2	2	22335.000	62.45	-11.30	51.15	83.50	-32.35	peak	
3	2	24069.000	63.74	-11.03	52.71	83.50	-30.79	peak	
4	2	24375.000	63.11	-10.24	52.87	83.50	-30.63	peak	
5	2	24749.000	63.79	-9.72	54.07	83.50	-29.43	peak	
6	* 5	6347 000	63.94	-9.31	54 63	83.50	-28.87	peak	

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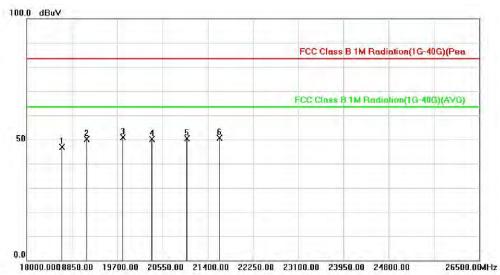
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Operation Mode:	Config 2 play recording	Test Date:	May 08, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11.	18663.000	58.99	-12.22	46.77	83.50	-36.73	peak	
2		19122.000	61.87	-11.64	50.23	83.50	-33.27	peak	
3	*	19802.000	63.08	-12.31	50.77	83.50	-32,73	peak	
4		20346.000	62.61	-12.39	50.22	83.50	-33.28	peak	
5	1-3	21009.000	62.02	-11.71	50.31	83.50	-33.19	peak	
6		21621 000	62.04	-11 39	50.65	83.50	-32.85	neak	

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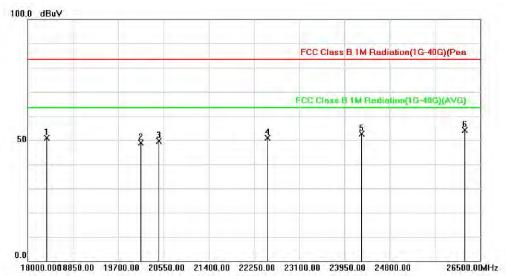
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	18	8357.000	63.56	-12.65	50.91	83.50	-32.59	peak	
2	20	0125.000	61.76	-12.79	48.97	83.50	-34.53	peak	
3	20	0465.000	61.82	-12.18	49.64	83.50	-33.86	peak	
4	22	2505.000	62.12	-11.32	50.80	83.50	-32.70	peak	
5	24	4273.000	63.04	-10.50	52.54	83.50	-30.96	peak	
6	* 26	6211 000	63 12	-9.09	54.03	83.50	-29 47	neak	

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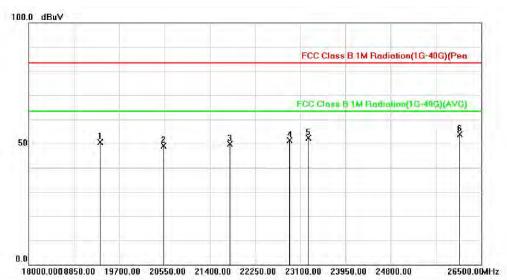


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Operation Mode:	Config 2 MP3	Test Date:	May 08, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		19343.000	62.02	-11.41	50.61	83.50	-32.89	peak	
2	0 - 8	20533.000	61.18	-12.10	49.08	83.50	-34.42	peak	
3	TES	21774.000	61.19	-11.32	49.87	83.50	-33,63	peak	
4	11.	22896.000	62.40	-10.91	51.49	83.50	-32.01	peak	
5		23253.000	62.98	-10.62	52.36	83.50	-31.14	peak	
6	*	26092 000	62.67	_8 90	53 77	83 50	-29 73	neak	

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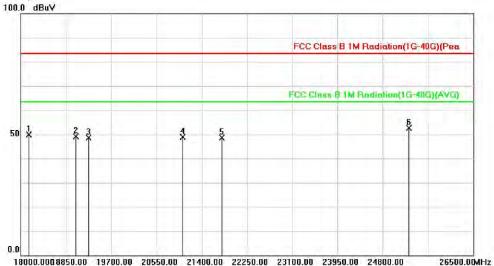
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		18153.000	62.96	-12.96	50.00	83.50	-33.50	peak	
2		19037.000	60.89	-11.74	49.15	83.50	-34.35	peak	
3		19275.000	60.05	-11.48	48.57	83.50	-34.93	peak	
4		21043,000	60.66	-11.70	48.96	83.50	-34.54	peak	
5	1 1	21774.000	59.96	-11.32	48.64	83.50	-34.86	peak	
6	*	25293 000	61.01	-8 28	52 73	83 50	-30 77	peak	

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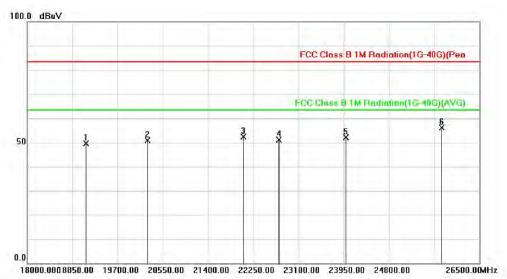


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Operation Mode:	Config 3 Recording (Front)	Test Date:	May 22, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	7	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		19105.000	61.29	-11.67	49.62	83.50	-33.88	peak	
2	2	20261.000	63.46	-12.55	50.91	83.50	-32.59	peak	
3	2	22063,000	63.60	-11.24	52.36	83.50	-31.14	peak	
4	2	22726.000	62.15	-11.09	51.06	83.50	-32.44	peak	
5	2	23984.000	63.18	-11.17	52.01	83.50	-31.49	peak	
6	* 7	25786.000	64.29	-8.17	56 12	83.50	-27.38	peak	

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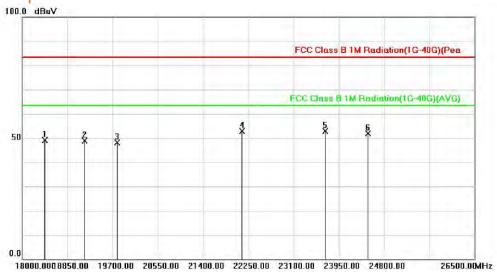
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	1	18425.000	61.63	-12.55	49.08	83.50	-34.42	peak	
2		19173.000	60.37	-11.59	48.78	83.50	-34.72	peak	
3		19785.000	60.34	-12.25	48.09	83.50	-35.41	peak	
4	*	22131.000	64.24	-11.26	52.98	83.50	-30.52	peak	
5		23695.000	63.54	-10.73	52.81	83.50	-30.69	peak	
6	- 3	24494.000	61.88	-9.93	51.95	83.50	-31.55	peak	

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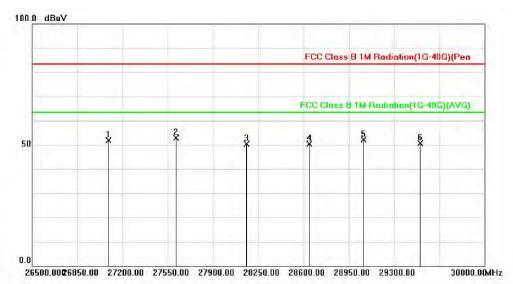
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## Above 26.5 - 30 GHz

Operation Mode:	Config 1 DATA Link (USB)-SD Card (Write)	Test Date:	May 29, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	1	27088.000	62.08	-10.26	51.82	83.50	-31.68	peak	
2	*	27613.000	63.86	-10.95	52.91	83.50	-30.59	peak	
3		28159.000	61.42	-10,98	50.44	83.50	-33.06	peak	
4		28642.000	61.36	-10.87	50.49	83.50	-33.01	peak	
5	1 - 3	29062.000	64.35	-12.24	52.11	83.50	-31.39	peak	
6	111	29503.000	62.90	-12.27	50.63	83.50	-32.87	peak	

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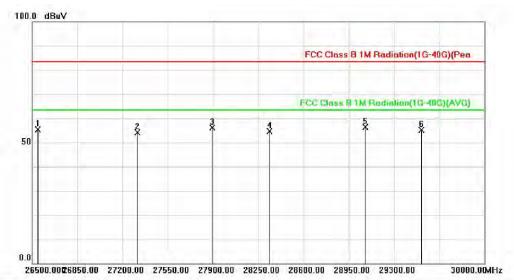
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	1 /	26542.000	64.92	-9.61	55.31	83.50	-28.19	peak	
2	3	27312.000	64.81	-10.58	54.23	83.50	-29.27	peak	
3	1	27893.000	67.38	-11.19	56.19	83.50	-27.31	peak	
4		28334.000	65.30	-10.65	54.65	83.50	-28.85	peak	
5	*	29076.000	68.72	-12.24	56.48	83.50	-27.02	peak	
6		29510 000	67.29	-12 27	55.02	83.50	-28 48	neak	

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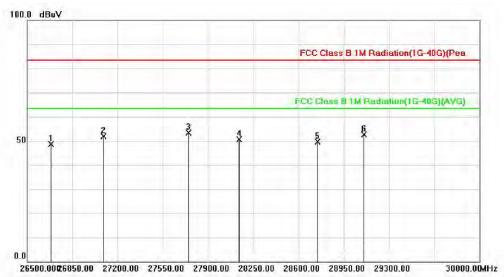
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Operation Mode:	Config 2 Recording (Front)	Test Date:	May 29, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		26682.000	58.35	-9.76	48.59	83.50	-34.91	peak	
2		27088.000	62.08	-10.26	51.82	83.50	-31.68	peak	
3	*	27746.000	64.51	-11.07	53.44	83.50	-30.06	peak	
4		28138.000	61.62	-11.02	50.60	83.50	-32.90	peak	
5	110	28747.000	61.01	-11.27	49.74	83.50	-33.76	peak	
6	111	29104 000	64 90	-12 25	52.65	83 50	-30.85	neak	

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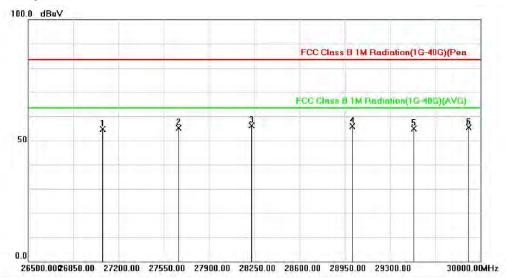
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		27074.000	64.93	-10.23	54.70	83.50	-28.80	peak	
2		27662.000	66.06	-11.00	55.06	83.50	-28.44	peak	
3	*	28229.000	66.87	-10.85	56.02	83.50	-27.48	peak	
4		29006.000	68.13	-12.24	55.89	83.50	-27.61	peak	
5		29482.000	67.16	-12.27	54.89	83.50	-28.61	peak	
6	1 - 9	29909.000	67.59	-12.26	55.33	83.50	-28.17	peak	

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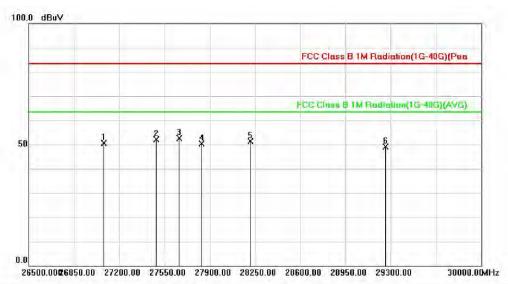
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Operation Mode:	Config 2 Recording (Back)	Test Date:	May 08, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		27081.000	60.86	-10.25	50.61	83.50	-32.89	peak	
2		27487.000	63.01	-10.84	52.17	83.50	-31.33	peak	
3	* }	27662.000	63,58	-11.00	52.58	83.50	-30.92	peak	
4		27837.000	61.64	-11.15	50.49	83.50	-33,01	peak	
5	1	28215.000	62.19	-10.87	51.32	83.50	-32.18	peak	
6	1 3	29258.000	61.32	-12.26	49.06	83.50	-34.44	peak	

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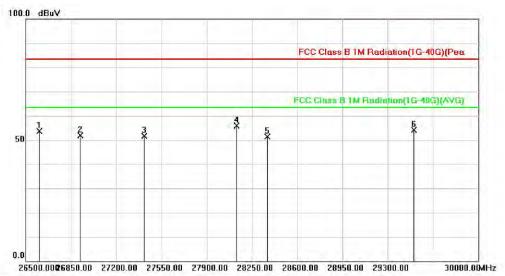
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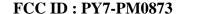
No.	Mk. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	26605.000	63.24	-9.68	53.56	83.50	-29.94	peak	
2	26920.000	61.84	-10.03	51.81	83.50	-31.69	peak	
3	27417.000	62.35	-10.74	51.61	83.50	-31.89	peak	
4 *	28131.000	66.80	-11.04	55.76	83.50	-27.74	peak	
5	28369.000	61.91	-10.57	51.34	83.50	-32.16	peak	
6	29503 000	66.46	-12.27	54 19	83.50	-29.31	peak	

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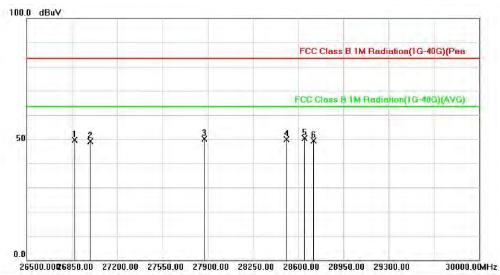


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Operation Mode:	Config 2 play recording	Test Date:	May 08, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	26871.000	59.50	-9.98	49.52	83.50	-33.98	peak	
2	26990.000	59.31	-10.12	49.19	83.50	-34.31	peak	
3	27872.000	61.39	-11.18	50.21	83.50	-33.29	peak	
4	28509.000	60,13	-10.35	49.78	83.50	-33.72	peak	
5 *	28649.000	61.26	-10.89	50.37	83.50	-33.13	peak	
6	28719.000	60.50	-11.16	49.34	83.50	-34 16	neak	

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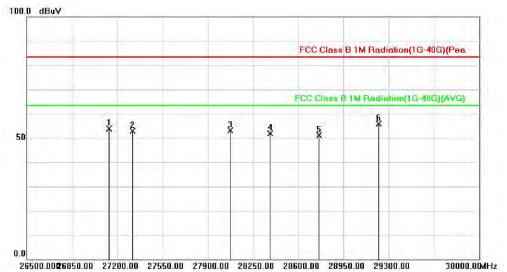
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No.	Mk.	Freq.	Freq.	(. Freq.	Mk. Freq.	/lk. Freq.	c. Freq.	k. Freq.	1k. Freq.	k. Freq.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment									
1	2	27137.000	64.11	-10.33	53.78	83.50	-29.72	peak										
2	2	27319.000	63.49	-10.59	52.90	83.50	-30.60	peak										
3	2	28075.000	64.22	-11.14	53.08	83.50	-30.42	peak										
4	2	28383.000	62.55	-10.55	52.00	83.50	-31.50	peak										
5	2	28761.000	62.33	-11.32	51.01	83.50	-32.49	peak										
6	* 2	29223.000	68.04	-12.26	55.78	83.50	-27.72	peak										

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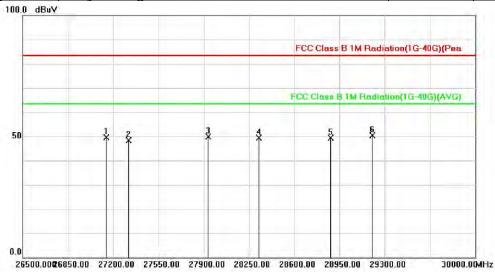
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Operation Mode: Config 2 MP3 Test Date: May 08, 2015
Tested By: Eddy Cheng Pol.: Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	1 1 3	27144.000	60.03	-10.34	49.69	83.50	-33.81	peak	
2		27319,000	59.01	-10.59	48.42	83,50	-35.08	peak	
3		27935.000	61.19	-11.24	49.95	83.50	-33.55	peak	
4	+ 7	28327.000	59.93	-10.66	49.27	83.50	-34.23	peak	
5		28880.000	61.14	-11.78	49.36	83.50	-34.14	peak	
6	*	29202 000	62.58	-12.25	50.33	83.50	-33 17	neak	

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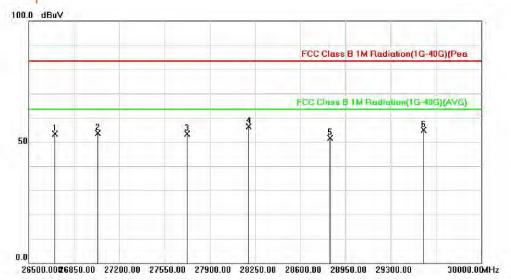
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	2	6703.000	63.07	-9.79	53.28	83.50	-30.22	peak		
2	2	7032.000	63.73	-10.18	53.55	83.50	-29.95	peak		
3	2	7725.000	64.43	-11.05	53.38	83.50	-30.12	peak		
4	* 2	8201.000	67.18	-10.90	56.28	83.50	-27.22	peak		
5	2	8831.000	63.22	-11.59	51.63	83.50	-31.87	peak		
6	2	9552 000	67 15	12 27	5/ 88	83 50	28.62	neak		

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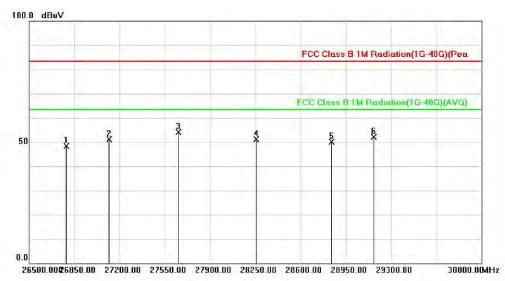
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Operation Mode:	Config 3 Recording (Front)	Test Date:	May 22, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		26787.000	58.34	-9.89	48.45	83.50	-35.05	peak	
2		27116.000	61.46	-10.30	51.16	83.50	-32.34	peak	
3	*	27655.000	65.06	-11.00	54.06	83.50	-29.44	peak	
4		28257.000	61.86	-10.79	51.07	83.50	-32.43	peak	
5		28838.000	61.79	-11.62	50.17	83.50	-33.33	peak	
6		29167.000	64.31	-12.25	52.06	83.50	-31.44	peak	

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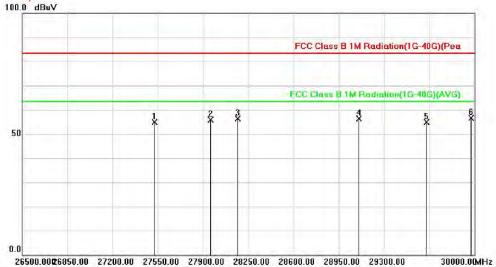
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	1.00	27522.000	65.77	-10.88	54.89	83.50	-28.61	peak	
2	6 3	27956,000	67.10	-11.26	55.84	83.50	-27.66	peak	
3		28166.000	67.31	-10.96	56.35	83.50	-27.15	peak	
4	1	29104.000	68.64	-12.25	56.39	83.50	-27.11	peak	
5	T.	29629.000	67.08	-12.27	54.81	83.50	-28.69	peak	
6	*	29972.000	68.98	-12.26	56.72	83.50	-26.78	peak	

\*\* End of Report \*\*

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