



ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

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

OF

Product Name: Mobile Phone

Brand Name: Sony

Type No.: PM-0852-BV

Added Model(s): N/A

Model Difference: N/A

FCC ID: PY7-PM0852

Based on SGS EMC Report No.: EM/2014/B0010

Issue Date: Jan. 16, 2015

FCC Rule Part: FCC Part 15:2014, Subpart B, Class B

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
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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: Mobile Phone

Brand Name: Sony

Type No.: PM-0852-BV

Added Model(s): N/A

Model Difference: N/A

FCC ID: PY7-PM0852

File Number: EM/2014/B0047

Date of EUT Received: Nov. 14, 2014




Date of test: Nov. 20, 2014 ~ Jan. 03, 2015

Issue Date: Jan. 16, 2015

Standards: **FCC Part 15:2014, 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:		Date:	Jan. 16, 2015
	<hr/>		<hr/>
	Eddy Cheng / Engineer		
Prepared By:		Date:	Jan. 16, 2015
	<hr/>		<hr/>
	Fanny Chen / Clerk		
Approved By:		Date:	Jan. 16, 2015
	<hr/>		<hr/>
	Victor Wen / Assistant Manager		

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Revision History

Report Number	Revision	Description	Issue Date
EM/2014/B0047	Rev.00	Initial Version	Jan. 12, 2015
EM/2014/B0047	Rev.01	Revised HT40 2422~2562 channel	Jan. 16, 2015

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1. General Information

1.1 Product description

General:

Product Name:	Mobile Phone	
Brand Name:	Sony	
Type No.:	PM-0852-BV	
Added Model(s):	N/A	
Model Difference:	N/A	
Data Cable (USB):	Model No.: EC450, Supplier: K-one Type No.: AI-0700	
Simple Hands-free (SHF):	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.: SBH20, Supplier: Sony, Type No.: RD-0010 coupling with Simple Hands Free (Model No.: MH755, Supplier: BALDA, Type No.: AG-0503)	
Hardware Version:	A	
Software Version:	25.0.A.0.33	
Power Supply:	3.8Vdc	
	Battery:	Model No.: LIS1574ERPC, Supplier: Sony Type No.: N/A
	Adapter:	Model No.: EP800, Supplier: Salcomp Type No.: CAA-0002016-US
IMEI:	004402453551974	

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Bluetooth BR+EDR:

Bluetooth Version:	V4.1 dual mode + HS
Channel number:	79 channels
Modulation type:	Frequency Hopping Spread Spectrum
Transmit Power:	5.38dBm
Frequency Range:	2.402GHz – 2.480GHz
Dwell Time:	<= 0.4s
Antenna Designation:	PIFA Antenna, Gain: 2.52dBi

Bluetooth Low Energy:

Frequency Range:	2402 – 2480MHz
Bluetooth Version:	V4.1 dual mode + HS
Channel number:	40 channels
Modulation type:	GFSK
Transmit Power:	-1.49dBm (Peak)
Antenna Designation:	PIFA Antenna, Gain: 2.52dBi

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WLAN 2.4GHz:

Wi-Fi	Frequency Range	Channels	Rated Power	Modulation Technology
11b/g	2412-2462	11	b: 18.87dBm g: 22.66dBm	DSSS, OFDM
11n	HT20 2412-2462	11	HT20: 21.09dBm	OFDM
11n	HT40 2422-2452	7	HT40: 22.22dBm	OFDM
Antenna Designation:		PIFA Antenna, Gain: 2.52dBi		
Modulation type:		CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM		
Transition Rate:		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 – 72.2Mbps 802.11 n_40MHz: 13.5 –135Mbps		

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WLAN 5GHz:

Wi-Fi	Frequency Range	Channels	Avg. Power	Modulation Technology
11a	5150~5250	4	13.96dBm	OFDM
	5250~5350	4	13.99dBm	
	5470~5725	8	13.96dBm	
	5725-5850	5	13.79dBm	
11n	HT20 5150~5250	4	HT20: 12.99dBm	OFDM
	HT20 5250~5350	4	HT20: 12.95dBm	
	HT20 5470~5725	8	HT20: 12.99dBm	
	HT20 5725-5850	5	HT20: 12.79dBm	
11n	HT40 5150~5250	2	HT40: 11.95dBm	OFDM
	HT40 5250~5350	2	HT40: 11.93dBm	
	HT40 5470~5725	3	HT40: 11.96dBm	
	HT40 5725-5850	2	HT40: 11.98dBm	
Antenna Designation	PIFA Antenna, 5GHz Gain: -0.54dBi (5150MHz-5250MHz) 5GHz Gain: -0.89dBi (5250MHz-5350MHz) 5GHz Gain: -0.34dBi (5470MHz-5725MHz) 5GHz Gain: -0.19dBi (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:

Cellular Standards Frequency and Power	Phone Range	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
		1.4MHz BW LTE-Band 2	1850MHz– 1909.3MHz	23dBm
		3MHz BW LTE-Band 2	1851.5MHz – 1908.5MHz	23dBm
		5MHz BW LTE-Band 2	1852.5MHz – 1907.5MHz	23dBm
		10MHz BW LTE-Band 2	1855MHz – 1905MHz	23dBm
		15MHz BW LTE-Band 2	1857.5MHz – 1902.5MHz	23dBm
		20MHz BW LTE-Band 2	1860MHz – 1900MHz	23dBm
		1.4MHz BW LTE-Band 4	1710.7MHz– 1754.3MHz	23dBm
		3MHz BW LTE-Band 4	1711.5MHz – 1753.5MHz	23dBm
		5MHz BW LTE-Band 4	1712.5MHz – 1752.5MHz	23dBm
		10MHz BW LTE-Band 4	1715MHz – 1750MHz	23dBm
		15MHz BW LTE-Band 4	1717.5MHz – 1747.5MHz	23dBm
		20MHz BW LTE-Band 4	1720MHz – 1745MHz	23dBm
		5MHz BW LTE-Band 5	2502.5MHz – 2567.5MHz	23dBm
		10MHz BW LTE-Band 5	2505.0MHz – 2565.0MHz	23dBm
		15MHz BW LTE-Band 5	2507.5MHz – 2562.5MHz	23dBm
		20MHz BW LTE-Band 5	2510.0MHz – 2560MHz	23dBm

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Cellular Standards Frequency and Power	Phone Range	Operating Frequency		Rated Power
		5MHz BW LTE-Band 7	2502.5MHz – 2567.5MHz	23dBm
		10MHz BW LTE-Band 7	2505.0MHz – 2565.0MHz	23dBm
		15MHz BW LTE-Band 7	2507.5MHz – 2562.5MHz	23dBm
		20MHz BW LTE-Band 7	2510.0MHz – 2560MHz	23dBm
		1.4MHz BW LTE-Band 12	699.7MHz– 715.3MHz	23dBm
		3MHz BW LTE-Band 12	700.5MHz – 714.5MHz	23dBm
		5MHz BW LTE-Band 12	701.5MHz – 713.5MHz	23dBm
		10MHz BW LTE-Band 12	704.0MHz – 711.0MHz	23dBm
		5MHz BW LTE-Band 13	779.5MHz – 784.5MHz	23 dBm
		10MHz BW LTE-Band 13	782MHz - 782MHz	23 dBm
		5MHz BW LTE-Band 17	706.5MHz – 713.5MHz	23dBm
		10MHz BW LTE-Band 17	709.0MHz –711.0MHz	23dBm

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<p>Type of Emission:</p>	<p>GSM 850: 252KGXW, GSM 1900: 249KGXW GPRS 850: 248KGXW, GPRS 1900: 248KGXW EDGE 850: 259KG7W, EDGE 1900: 254KG7W WCDMA Band II: 4M23F9W, WCDMA Band IV: 4M22F9W, WCDMA Band V: 4M24F9W HSDPA Band II: 4M21F9W, HSDPA Band IV: 4M21F9W, HSDPA Band V: 4M23F9W HSUPA Band II: 4M21F9W, HSUPA Band IV: 4M23F9W, HSUPA Band V: 4M23F9W</p> <p>1.4MHz BW LTE-Band 2 QPSK: 1M10G7D 1.4MHz BW LTE-Band 2 16QAM: 1M09D7W 3MHz BW LTE-Band 2 QPSK: 2M71G7D 3MHz BW LTE-Band 2 16QAM: 2M70D7W 5MHz BW LTE-Band 2 QPSK: 4M54G7D 5MHz BW LTE-Band 2 16QAM: 4M53D7W 10MHz BW LTE-Band 2 QPSK: 8M98G7D 10MHz BW LTE-Band 2 16QAM: 8M98D7W 15MHz BW LTE-Band 2 QPSK: 13M49G7D 15MHz BW LTE-Band 2 16QAM: 13M54D7W 20MHz BW LTE-Band 2 QPSK: 18M04G7D 20MHz BW LTE-Band 2 16QAM: 18M00D7W</p> <p>1.4MHz BW LTE-Band 4 QPSK: 1M10G7D 1.4MHz BW LTE-Band 4 16QAM: 1M10D7W 3MHz BW LTE-Band 4 QPSK: 2M72G7D 3MHz BW LTE-Band 4 16QAM: 2M71D7W 5MHz BW LTE-Band 4 QPSK: 4M52G7D 5MHz BW LTE-Band 4 16QAM: 4M52D7W 10MHz BW LTE-Band 4 QPSK: 8M98G7D 10MHz BW LTE-Band 4 16QAM: 8M98D7W 15MHz BW LTE-Band 4 QPSK: 13M50G7D 15MHz BW LTE-Band 4 16QAM: 13M52D7W 20MHz BW LTE-Band 4 QPSK: 17M99D7W 20MHz BW LTE-Band 4 16QAM: 18M00D7W</p>
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<p>Type of Emission:</p>	<p>5MHz BW LTE-Band 5 QPSK: 1M10G7D 5MHz BW LTE-Band 5 16QAM: 1M10D7W 10MHz BW LTE-Band 5 QPSK: 2M71G7D 10MHz BW LTE-Band 5 16QAM: 2M70D7W 15MHz BW LTE-Band 5 QPSK: 4M53G7D 15MHz BW LTE-Band 5 16QAM: 4M53D7W 20MHz BW LTE-Band 5 QPSK: 9M01G7D 20MHz BW LTE-Band 5 16QAM: 9M06D7W</p> <p>5MHz BW LTE-Band 7 QPSK: 4M53G7D 5MHz BW LTE-Band 7 16QAM: 4M54D7W 10MHz BW LTE-Band 7 QPSK: 9M00G7D 10MHz BW LTE-Band 7 16QAM: 8M99D7W 15MHz BW LTE-Band 7 QPSK: 13M49G7D 15MHz BW LTE-Band 7 16QAM: 13M52D7W 20MHz BW LTE-Band 7 QPSK: 17M98G7D 20MHz BW LTE-Band 7 16QAM: 17M96D7W</p> <p>1.4MHz BW LTE-Band 12 QPSK: 1M10G7D 1.4MHz BW LTE-Band 12 16QAM: 1M10D7W 3MHz BW LTE-Band 12 QPSK: 2M71G7D 3MHz BW LTE-Band 12 16QAM: 2M70D7W 5MHz BW LTE-Band 12 QPSK: 4M53G7D 5MHz BW LTE-Band 12 16QAM: 4M52D7W 10MHz BW LTE-Band 12 QPSK: 9M05G7D 10MHz BW LTE-Band 12 16QAM: 9M05D7W</p> <p>5MHz BW LTE-Band 13 QPSK: 4M54G7D 5MHz BW LTE-Band 13 16QAM: 4M55D7W 10MHz BW LTE-Band 13 QPSK: 8M97G7D 10MHz BW LTE-Band 13 16QAM: 8M97D7W</p> <p>5MHz BW LTE-Band 17 QPSK: 4M52G7D 5MHz BW LTE-Band 17 16QAM: 4M52D7W 10MHz BW LTE-Band 17 QPSK: 8M98G7D 10MHz BW LTE-Band 17 16QAM: 8M96D7W</p>
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1.2 Test Plan

Test Plan:

PM-0852-BV	Config 1	Config 2
Applicable standard	FCC 15B	
Accessories	EUT +USB Cable(EC450) +SHF(MH410c)	EUT + AC Adapter(EP800) +USB Cable(EC450) +SHF(MH410c)
	DATA Link (USB)	CAMERA
	DATA Link(USB) + Idle(WWAN.WIFI.BT.GPS)	FULL SYSTEM + Idle(WWAN.WIFI.BT.GPS)
Description		
radiated emission	DATA Link (USB)	Recording/play recording/MP3
conducted emission (AC Power)	DATA Link (USB)	Recording/play recording/MP3

* 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	IBM	L412	LR-ZYMYD
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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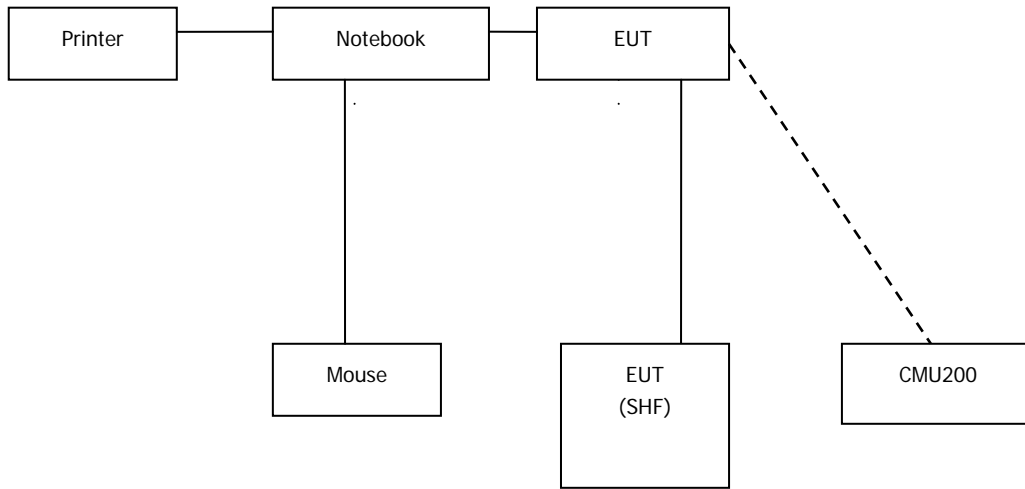


1.6 Cable List

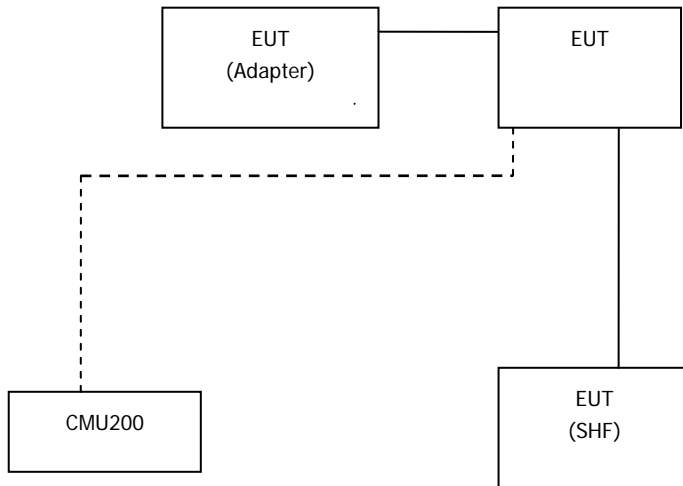
Cable Type	Length	Shielding/Non-shielding
USB cable with core near EUT, near Adapter	1.0 m	Shielding

1.7 Test Set-Up Configuration

Config 1



Config 2



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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 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 Class B	Conducted Emission	PASS	Line	2.6030	-14.28(QVG)
			Neutral	2.5358	-12.56(AVG)
	Radiated Emission	PASS	Ver.	30.1740	-8.37(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.



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.



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	Jan. 11, 2014	Jan. 10, 2015
Coaxial Cables	N/A	WK CE Cable	N/A	Nov. 26, 2013	Nov. 25, 2014
LISN	SCHWARZBECK	NSLK 8127	8127-649	May 02, 2014	May 01, 2015
LISN	FCC	FCC-LISN-50/250-25-2-01	04034	Mar. 19, 2014	Mar. 18, 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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2.4.6 Measurement Data

Operation Mode:	Config 1 DATA Link (USB)	Test Date:	Nov. 20, 2014
Tested By:	Eddy Cheng	Pol.:	L1



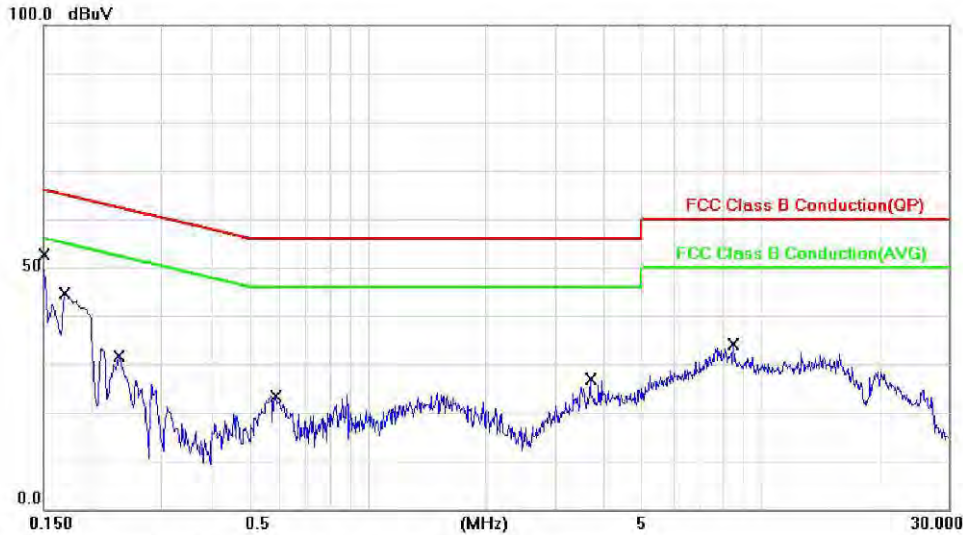
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1	*	0.1740	41.90	0.07	41.97	64.77	-22.80	QP	
2		0.1740	28.30	0.07	28.37	54.77	-26.40	AVG	
3		0.1980	37.20	0.07	37.27	63.69	-26.42	QP	
4		0.1980	22.00	0.07	22.07	53.69	-31.62	AVG	
5		0.5620	20.90	0.07	20.97	56.00	-35.03	QP	
6		0.5620	9.00	0.07	9.07	46.00	-36.93	AVG	
7		1.4780	27.20	0.09	27.29	56.00	-28.71	QP	
8		1.4780	11.80	0.09	11.89	46.00	-34.11	AVG	
9		7.6300	27.40	0.26	27.66	60.00	-32.34	QP	
10		7.6300	20.90	0.26	21.16	50.00	-28.84	AVG	
11		14.0660	24.10	0.43	24.53	60.00	-35.47	QP	
12		14.0660	17.20	0.43	17.63	50.00	-32.37	AVG	

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Operation Mode:	Config 1 DATA Link (USB)	Test Date:	Nov. 20, 2014
Tested By:	Eddy Cheng	Pol.:	N



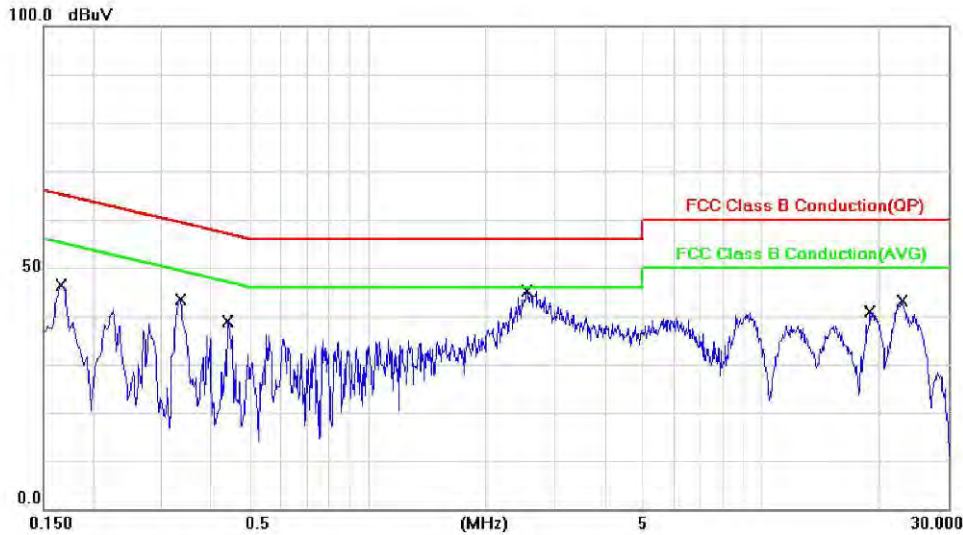
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		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1500	45.10	0.05	45.15	66.00	-20.85	QP	
2		0.1500	26.10	0.05	26.15	56.00	-29.85	AVG	
3 *		0.1700	45.70	0.05	45.75	64.96	-19.21	QP	
4		0.1700	28.50	0.05	28.55	54.96	-26.41	AVG	
5		0.2340	29.40	0.06	29.46	62.31	-32.85	QP	
6		0.2340	18.60	0.06	18.66	52.31	-33.65	AVG	
7		0.5860	20.40	0.08	20.48	56.00	-35.52	QP	
8		0.5860	9.60	0.08	9.68	46.00	-36.32	AVG	
9		3.6860	19.00	0.17	19.17	56.00	-36.83	QP	
10		3.6860	11.40	0.17	11.57	46.00	-34.43	AVG	
11		8.5300	26.30	0.29	26.59	60.00	-33.41	QP	
12		8.5300	19.70	0.29	19.99	50.00	-30.01	AVG	

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Operation Mode:	Config 2 Recording (Front)	Test Date:	Nov. 20, 2014
Tested By:	Eddy Cheng	Pol.:	L1



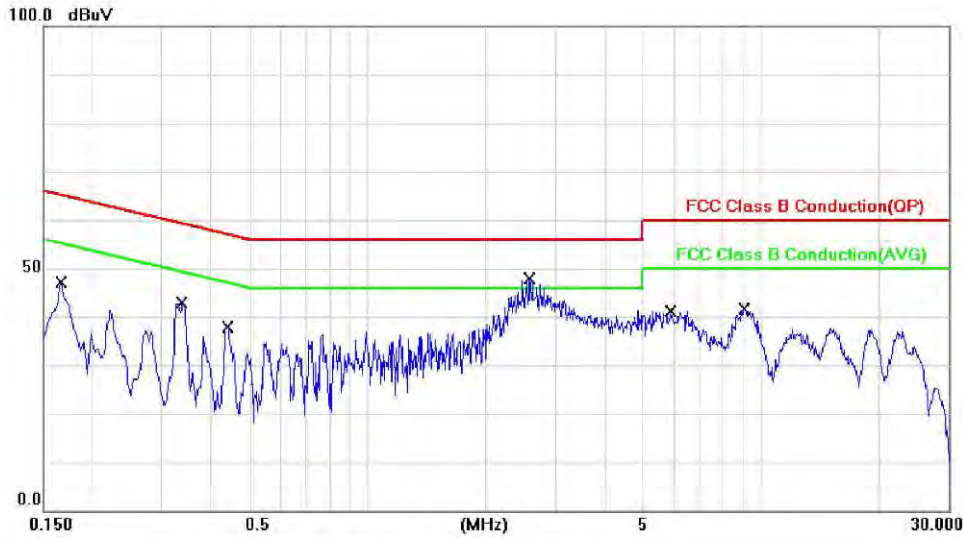
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1660	45.20	0.07	45.27	65.16	-19.89	QP	
2		0.1660	32.80	0.07	32.87	55.16	-22.29	AVG	
3		0.3340	41.00	0.07	41.07	59.35	-18.28	QP	
4		0.3340	32.20	0.07	32.27	49.35	-17.08	AVG	
5		0.4420	36.50	0.07	36.57	57.02	-20.45	QP	
6		0.4420	26.00	0.07	26.07	47.02	-20.95	AVG	
7		2.5422	40.40	0.12	40.52	56.00	-15.48	QP	
8 *		2.5422	31.50	0.12	31.62	46.00	-14.38	AVG	
9		18.9540	34.20	0.56	34.76	60.00	-25.24	QP	
10		18.9540	24.70	0.56	25.26	50.00	-24.74	AVG	
11		22.8700	36.10	0.68	36.78	60.00	-23.22	QP	
12		22.8700	24.70	0.68	25.38	50.00	-24.62	AVG	

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Operation Mode:	Config 2 Recording (Front)	Test Date:	Nov. 20, 2014
Tested By:	Eddy Cheng	Pol.:	N



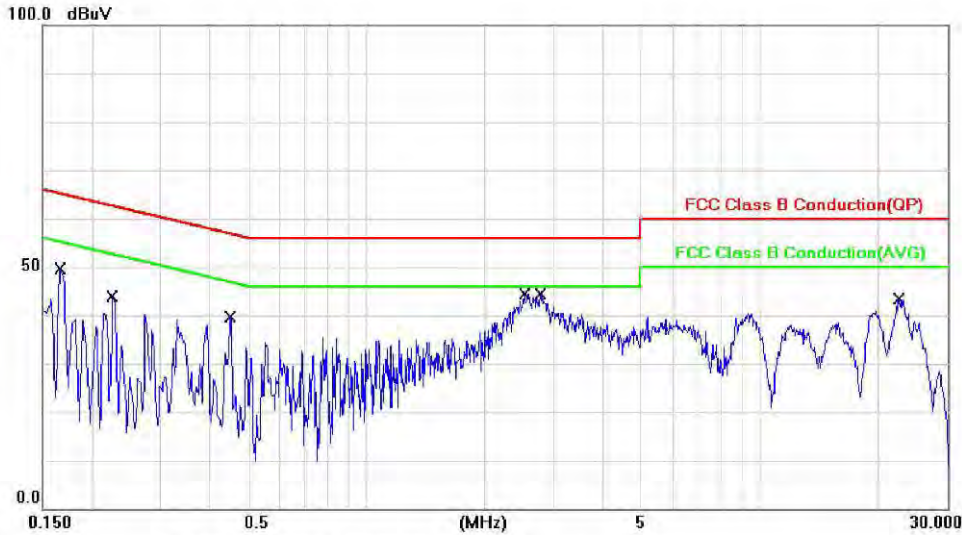
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
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2		0.1660	34.60	0.05	34.65	55.16	-20.51	AVG	
3		0.3380	40.70	0.07	40.77	59.25	-18.48	QP	
4		0.3380	34.60	0.07	34.67	49.25	-14.58	AVG	
5		0.4420	37.80	0.07	37.87	57.02	-19.15	QP	
6		0.4420	30.90	0.07	30.97	47.02	-16.05	AVG	
7		2.5822	42.60	0.14	42.74	56.00	-13.26	QP	
8 *		2.5822	32.70	0.14	32.84	46.00	-13.16	AVG	
9		5.9180	35.20	0.22	35.42	60.00	-24.58	QP	
10		5.9180	26.10	0.22	26.32	50.00	-23.68	AVG	
11		9.1020	35.70	0.31	36.01	60.00	-23.99	QP	
12		9.1020	27.30	0.31	27.61	50.00	-22.39	AVG	

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Operation Mode:	Config 2 Recording (Back)	Test Date:	Nov. 20, 2014
Tested By:	Eddy Cheng	Pol.:	L1



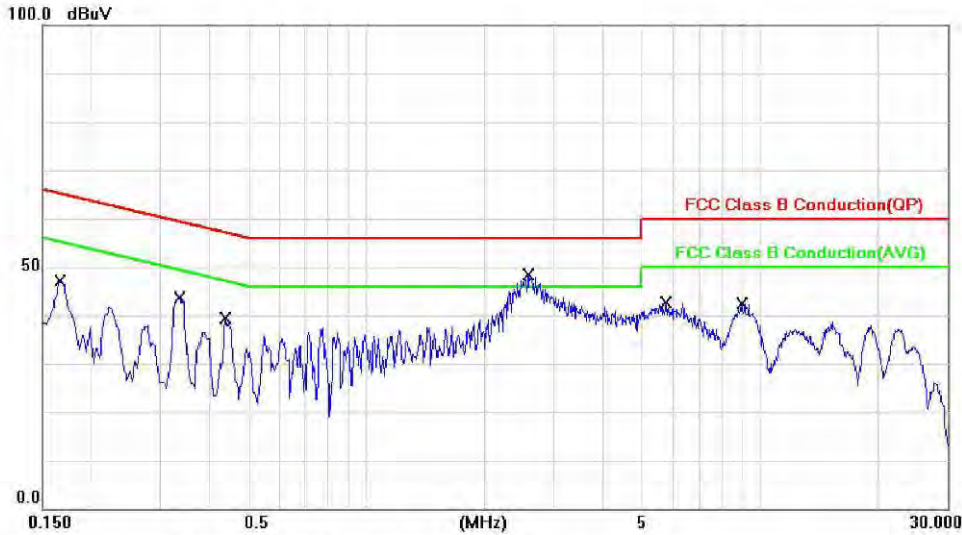
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1		0.1677	48.30	0.07	48.37	65.07	-16.70	QP	
2		0.1677	35.10	0.07	35.17	55.07	-19.90	AVG	
3		0.2243	41.10	0.07	41.17	62.66	-21.49	QP	
4		0.2243	27.20	0.07	27.27	52.66	-25.39	AVG	
5		0.4452	37.40	0.07	37.47	56.96	-19.49	QP	
6		0.4452	27.80	0.07	27.87	46.96	-19.09	AVG	
7		2.5366	40.30	0.12	40.42	56.00	-15.58	QP	
8 *		2.5366	31.10	0.12	31.22	46.00	-14.78	AVG	
9		2.7780	39.70	0.13	39.83	56.00	-16.17	QP	
10		2.7780	30.30	0.13	30.43	46.00	-15.57	AVG	
11		22.7500	36.30	0.68	36.98	60.00	-23.02	QP	
12		22.7500	24.70	0.68	25.38	50.00	-24.62	AVG	

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Operation Mode:	Config 2 Recording (Back)	Test Date:	Nov. 20, 2014
Tested By:	Eddy Cheng	Pol.:	N



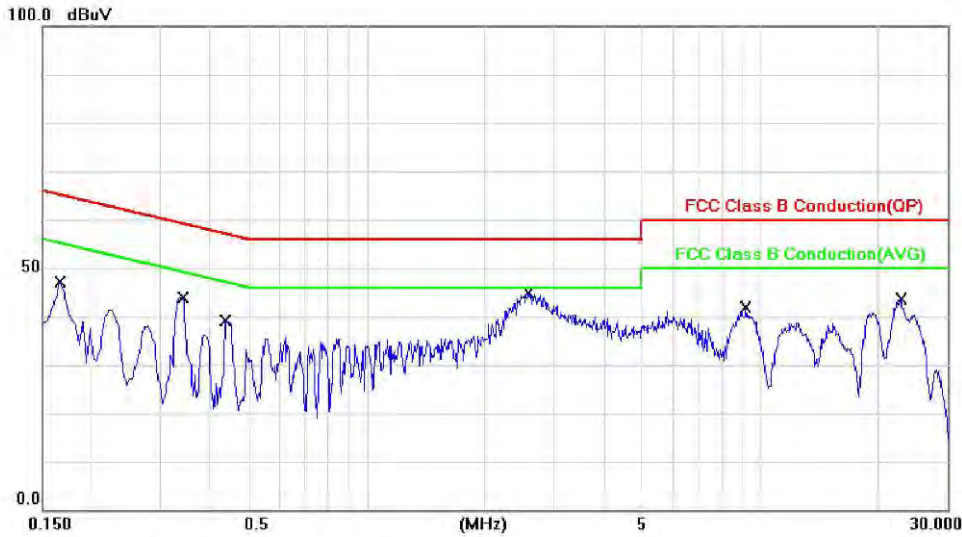
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1660	45.20	0.05	45.25	65.16	-19.91	QP	
2		0.1660	34.80	0.05	34.85	55.16	-20.31	AVG	
3		0.3340	41.20	0.07	41.27	59.35	-18.08	QP	
4		0.3340	36.10	0.07	36.17	49.35	-13.18	AVG	
5		0.4380	37.50	0.07	37.57	57.10	-19.53	QP	
6		0.4380	27.90	0.07	27.97	47.10	-19.13	AVG	
7		2.5920	42.90	0.14	43.04	56.00	-12.96	QP	
8 *		2.5920	33.20	0.14	33.34	46.00	-12.66	AVG	
9		5.7860	35.50	0.22	35.72	60.00	-24.28	QP	
10		5.7860	26.30	0.22	26.52	50.00	-23.48	AVG	
11		8.9980	35.80	0.30	36.10	60.00	-23.90	QP	
12		8.9980	27.20	0.30	27.50	50.00	-22.50	AVG	

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Operation Mode:	Config 2 play recording	Test Date:	Nov. 20, 2014
Tested By:	Eddy Cheng	Pol.:	L1



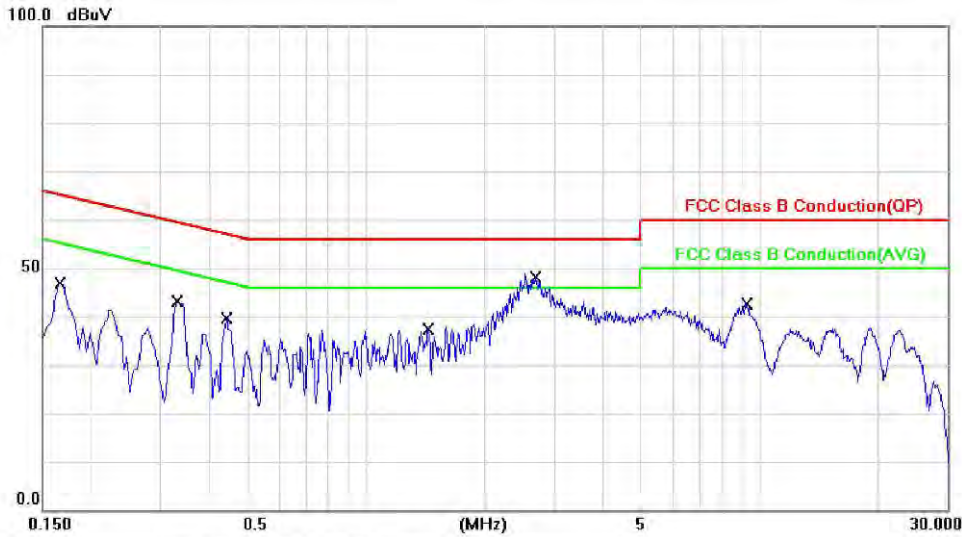
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1660	45.10	0.07	45.17	65.16	-19.99	QP	
2		0.1660	32.70	0.07	32.77	55.16	-22.39	AVG	
3		0.3420	41.40	0.07	41.47	59.15	-17.68	QP	
4		0.3420	29.10	0.07	29.17	49.15	-19.98	AVG	
5		0.4380	35.50	0.07	35.57	57.10	-21.53	QP	
6		0.4380	21.70	0.07	21.77	47.10	-25.33	AVG	
7		2.6030	40.50	0.12	40.62	56.00	-15.38	QP	
8 *		2.6030	31.60	0.12	31.72	46.00	-14.28	AVG	
9		9.2340	35.30	0.30	35.60	60.00	-24.40	QP	
10		9.2340	26.40	0.30	26.70	50.00	-23.30	AVG	
11		22.8100	36.50	0.68	37.18	60.00	-22.82	QP	
12		22.8100	26.90	0.68	27.58	50.00	-22.42	AVG	

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Operation Mode:	Config 2 play recording	Test Date:	Nov. 20, 2014
Tested By:	Eddy Cheng	Pol.:	N



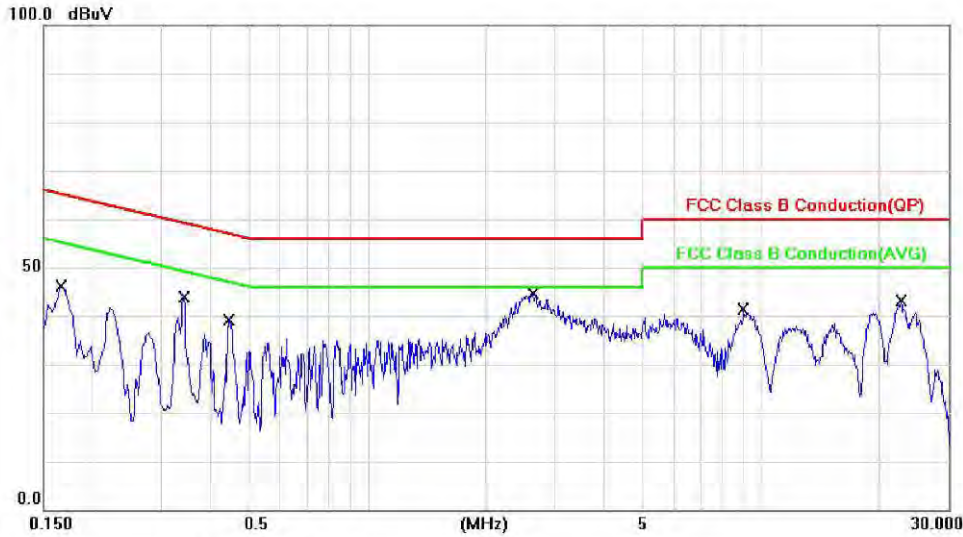
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1660	45.10	0.05	45.15	65.16	-20.01	QP	
2		0.1660	34.50	0.05	34.55	55.16	-20.61	AVG	
3		0.3300	41.80	0.07	41.87	59.45	-17.58	QP	
4		0.3300	34.40	0.07	34.47	49.45	-14.98	AVG	
5		0.4420	37.70	0.07	37.77	57.02	-19.25	QP	
6		0.4420	30.70	0.07	30.77	47.02	-16.25	AVG	
7		1.4380	33.50	0.11	33.61	56.00	-22.39	QP	
8		1.4380	21.60	0.11	21.71	46.00	-24.29	AVG	
9		2.6538	41.90	0.14	42.04	56.00	-13.96	QP	
10	*	2.6538	32.70	0.14	32.84	46.00	-13.16	AVG	
11		9.2860	35.70	0.31	36.01	60.00	-23.99	QP	
12		9.2860	27.40	0.31	27.71	50.00	-22.29	AVG	

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Operation Mode:	Config 2 MP3	Test Date:	Nov. 20, 2014
Tested By:	Eddy Cheng	Pol.:	L1



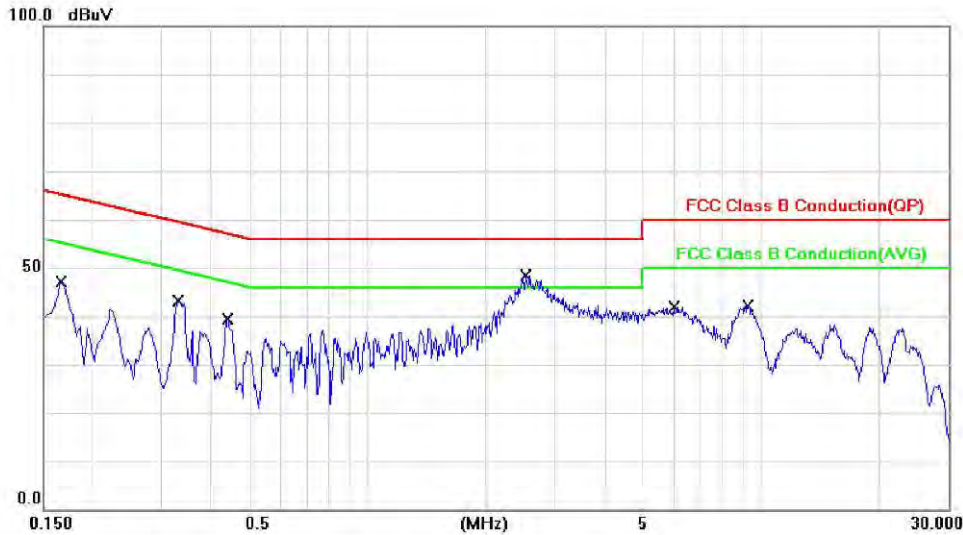
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1660	44.90	0.07	44.97	65.16	-20.19	QP	
2		0.1660	32.50	0.07	32.57	55.16	-22.59	AVG	
3		0.3420	41.10	0.07	41.17	59.15	-17.98	QP	
4		0.3420	29.00	0.07	29.07	49.15	-20.08	AVG	
5		0.4460	36.30	0.07	36.37	56.95	-20.58	QP	
6		0.4460	27.40	0.07	27.47	46.95	-19.48	AVG	
7		2.6303	39.50	0.12	39.62	56.00	-16.38	QP	
8 *		2.6303	30.20	0.12	30.32	46.00	-15.68	AVG	
9		9.0540	35.20	0.30	35.50	60.00	-24.50	QP	
10		9.0540	26.20	0.30	26.50	50.00	-23.50	AVG	
11		22.6980	36.50	0.68	37.18	60.00	-22.82	QP	
12		22.6980	25.00	0.68	25.68	50.00	-24.32	AVG	

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Operation Mode:	Config 2 MP3	Test Date:	Nov. 20, 2014
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		0.1660	44.90	0.05	44.95	65.16	-20.21	QP	
2		0.1660	34.30	0.05	34.35	55.16	-20.81	AVG	
3		0.3300	41.70	0.07	41.77	59.45	-17.68	QP	
4		0.3300	34.30	0.07	34.37	49.45	-15.08	AVG	
5		0.4420	37.70	0.07	37.77	57.02	-19.25	QP	
6		0.4420	30.60	0.07	30.67	47.02	-16.35	AVG	
7		2.5358	43.10	0.14	43.24	56.00	-12.76	QP	
8 *		2.5358	33.30	0.14	33.44	46.00	-12.56	AVG	
9		6.0220	35.10	0.22	35.32	60.00	-24.68	QP	
10		6.0220	26.10	0.22	26.32	50.00	-23.68	AVG	
11		9.2780	35.30	0.31	35.61	60.00	-24.39	QP	
12		9.2780	27.20	0.31	27.51	50.00	-22.49	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
Biconical Antenna	Schwarzbeck	VHBB 9124	9124-560	Feb. 10, 2014	Feb. 09, 2015
Log-Periodic Antenna	Schwarzbeck	UHALP 9108 A	UHALP 9108-A 0990	Feb. 10, 2014	Feb. 09, 2015
Broadband Antenna	SCHWAZBECK	VULB9168	VULB9168-298	Nov. 04, 2014	Nov. 03, 2015
Pre-Amplifier	Agilent	8447D	1937A02774	Mar. 27, 2014	Mar. 26, 2015
Coaxial Cable	Huber+Suhner	SUCCOFLEX 104PEA	N/A	Nov. 26, 2013	Nov. 25, 2014
Communication Tester	R&S	CMW500	131123	Mar.10, 2014	Mar.09, 2015
Communication Tester	Anritsu	MT8820C	6200995019	Oct. 08,2014	Oct. 07,2015
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	966II Chamber	N/A	Dec. 30, 2013	Dec. 29, 2014
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
Spectrum Analyzer	R&S	FSV 40	101385	Aug. 01, 2014	Jul. 31, 2015
Horn Antenna	SCHWAZBECK	BBHA 9120D	BBHA9120D309	Dec. 20, 2013	Dec. 19, 2014
Horn Antenna	SCHWAZBECK	BBHA 9120D	BBHA9120D309	Dec. 24, 2014	Dec. 23, 2015
Horn Antenna	SCHWAZBECK	BBHA 9170	BBHA9170184	Jan. 23, 2014	Jan. 22, 2015
Pre-Amplifier	EM Electronics Corp.	EM30180	06031802	Jan. 24, 2014	Jan. 23, 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 104-02	N/A	Nov. 26, 2013	Nov. 25, 2014
Coaxial Cable	Huber+Suhner	SUCCOFLEX 104-02	N/A	Nov. 26, 2014	Nov. 25, 2015
Coaxial Cable	Huber+Suhner	SUCCOFLEX 102	22962/2	Nov. 26, 2013	Nov. 25, 2014
Coaxial Cable	Huber+Suhner	SUCCOFLEX 102	22962/2	Nov. 26, 2014	Nov. 25, 2015
Coaxial Cable	Huber+Suhner	SUCCOFLEX 102	23051/2	Nov. 26, 2013	Nov. 25, 2014
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
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. 30, 2013	Dec. 29, 2014
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

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 : 25 degree C

Humidity : 55 %RH

Atmospheric Pressure : 996 mBar

2.5.4 Uncertainty of Radiated Emission

Expanded uncertainty (k=2) of radiated emission measurement is 5.09 dB. (30-1000MHz)

Expanded uncertainty (k=2) of radiated emission measurement is 5.04 dB. (1-6GHz)

Expanded uncertainty (k=2) of radiated emission measurement is 5.10 dB. (6-18GHz)

Expanded uncertainty (k=2) of radiated emission measurement is 5.12 dB. (18-26GHz)

Expanded uncertainty (k=2) of radiated emission measurement is 5.04 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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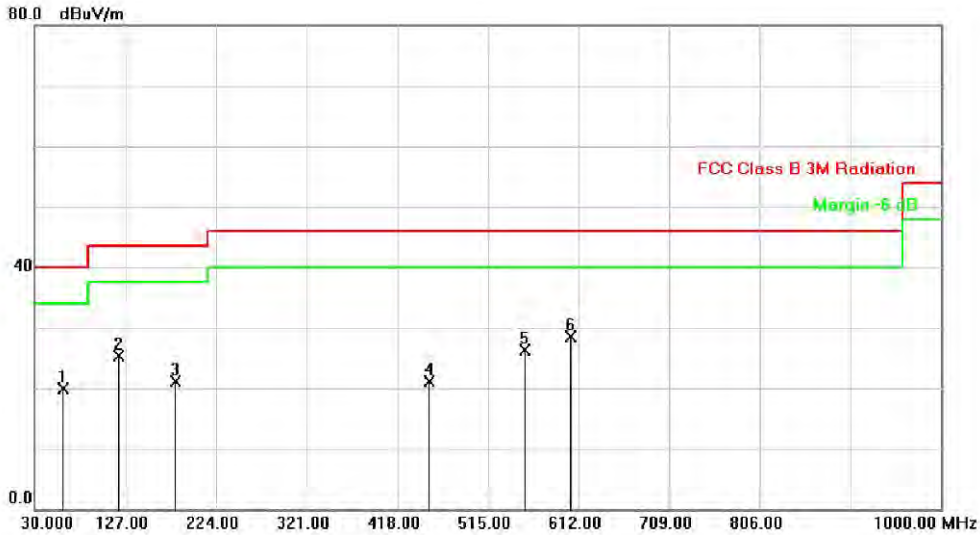
Member of SGS Group



2.5.6 Measurement Data

Below 1GHz

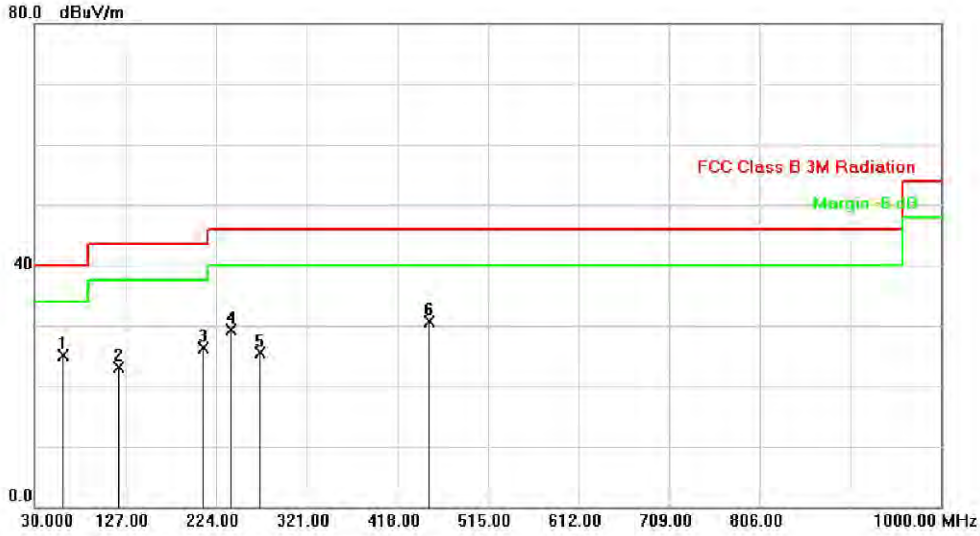
Operation Mode:	Config 1 DATA Link (USB)	Test Date:	Jan. 03, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		59.8630	32.95	-13.03	19.92	40.00	-20.08	QP	
2		119.9740	39.88	-14.61	25.27	43.50	-18.23	QP	
3		181.0720	35.28	-14.24	21.04	43.50	-22.46	QP	
4		452.1250	28.69	-7.59	21.10	46.00	-24.90	QP	
5		555.0140	32.71	-6.33	26.38	46.00	-19.62	QP	
6 *		603.6160	33.44	-4.90	28.54	46.00	-17.46	QP	

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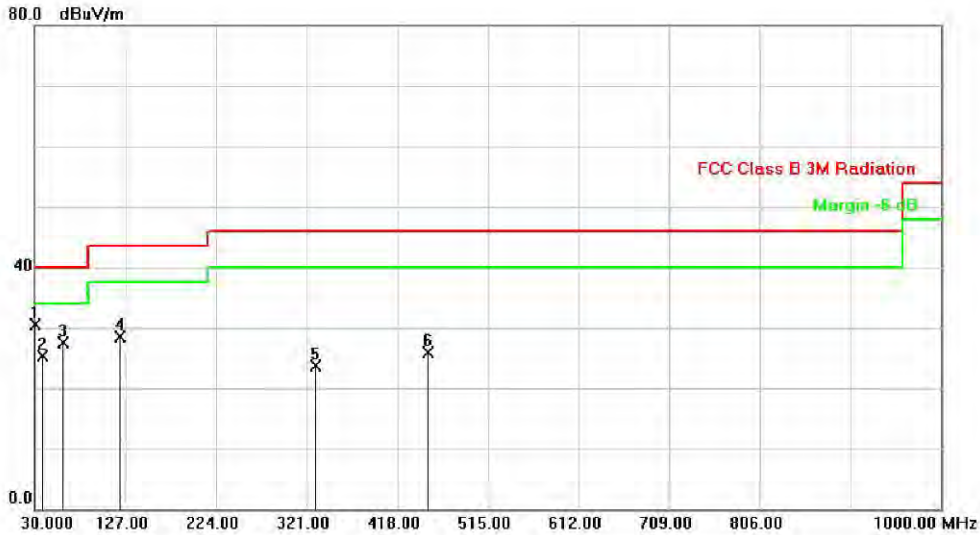
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	60.3440	38.15	-13.11	25.04	40.00	-14.96	QP	
2		120.4520	37.72	-14.56	23.16	43.50	-20.34	QP	
3		210.8780	40.98	-14.76	26.22	43.50	-17.28	QP	
4		240.7790	42.65	-13.32	29.33	46.00	-16.67	QP	
5		271.2320	38.04	-12.52	25.52	46.00	-20.48	QP	
6		451.7310	38.27	-7.59	30.68	46.00	-15.32	QP	

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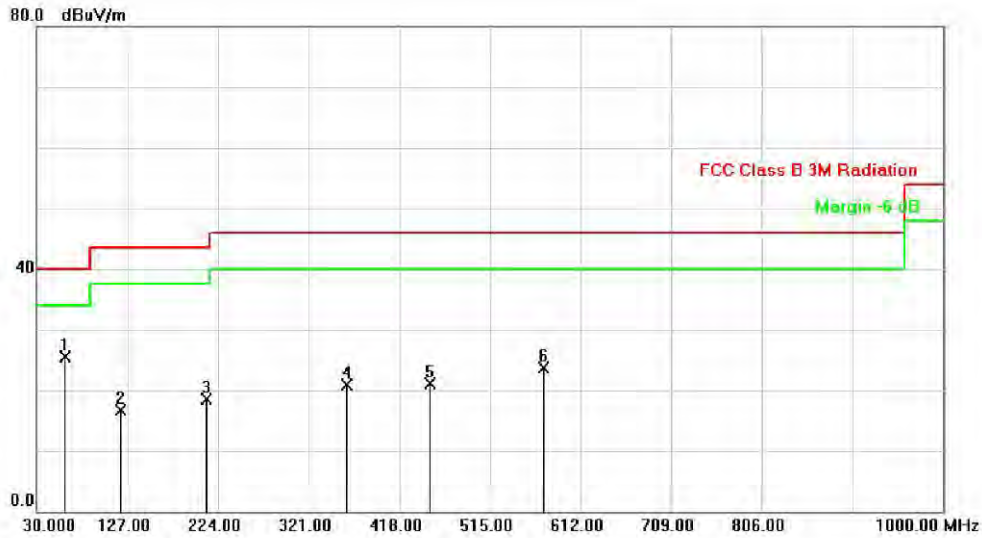
Operation Mode:	Config 2 Recording (Front)	Test Date:	Nov. 24, 2014
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	30.0800	43.85	-13.35	30.50	40.00	-9.50	QP	
2		38.6180	38.01	-12.73	25.28	40.00	-14.72	QP	
3		60.3020	40.53	-13.10	27.43	40.00	-12.57	QP	
4		120.6320	43.09	-14.53	28.56	43.50	-14.94	QP	
5		330.9760	34.26	-10.62	23.64	46.00	-22.36	QP	
6		451.6040	33.49	-7.59	25.90	46.00	-20.10	QP	

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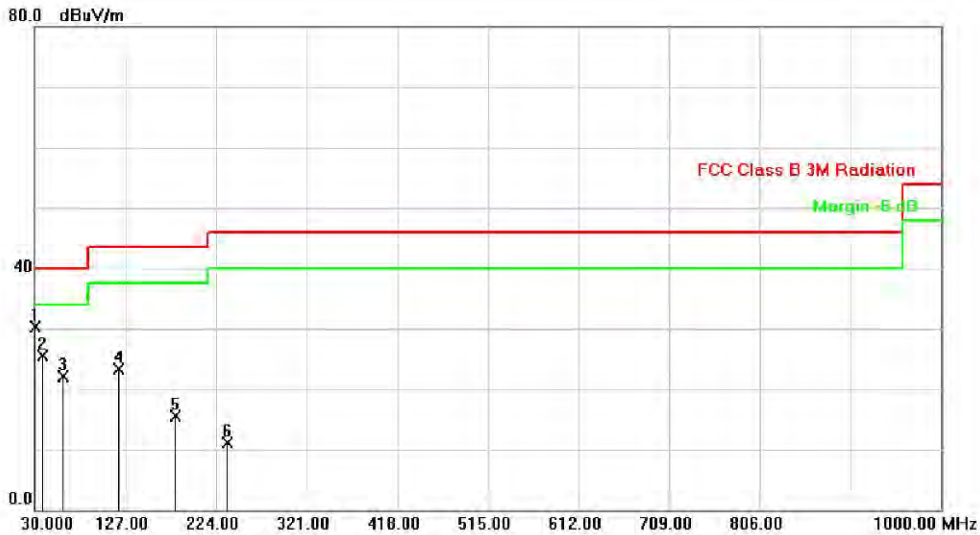
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	60.3140	38.67	-13.10	25.57	40.00	-14.43	QP	
2		119.8500	31.25	-14.63	16.62	43.50	-26.88	QP	
3		211.1200	33.21	-14.76	18.45	43.50	-25.05	QP	
4		361.9240	30.83	-9.85	20.98	46.00	-25.02	QP	
5		451.1940	28.62	-7.59	21.03	46.00	-24.97	QP	
6		572.5640	29.56	-5.78	23.78	46.00	-22.22	QP	

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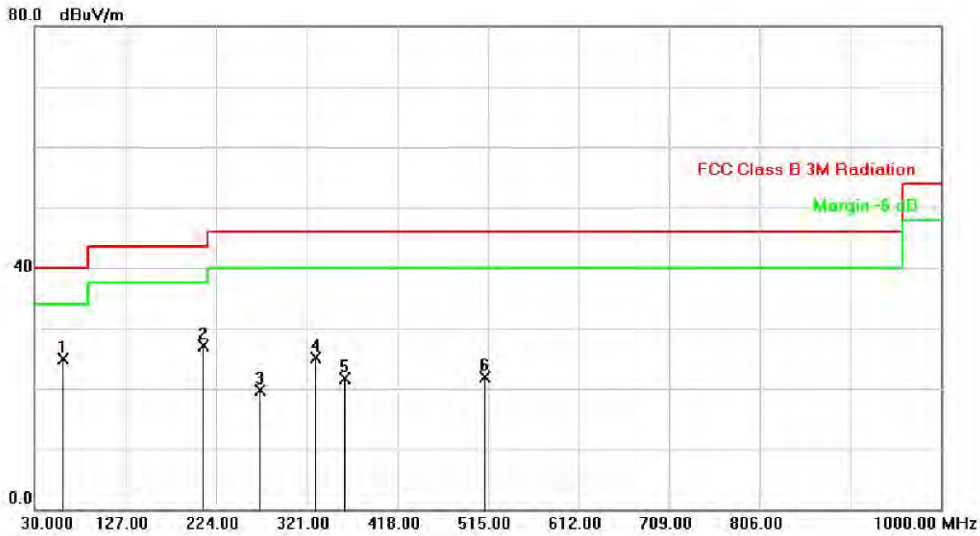
Operation Mode:	Config 2 Recording (Back)	Test Date:	Jan. 03, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	30.2920	43.64	-13.34	30.30	40.00	-9.70	QP	
2		38.0310	38.23	-12.79	25.44	40.00	-14.56	QP	
3		60.4380	35.18	-13.12	22.06	40.00	-17.94	QP	
4		119.9430	37.94	-14.62	23.32	43.50	-20.18	QP	
5		180.7940	29.68	-14.21	15.47	43.50	-28.03	QP	
6		236.1440	24.77	-13.65	11.12	46.00	-34.88	QP	

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No.	Mk.	Freq MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	60.3790	38.05	-13.11	24.94	40.00	-15.06	QP	
2		210.9760	41.87	-14.76	27.11	43.50	-16.39	QP	
3		271.2850	32.13	-12.51	19.62	46.00	-26.38	QP	
4		330.1810	35.73	-10.65	25.08	46.00	-20.92	QP	
5		361.9820	31.55	-9.85	21.70	46.00	-24.30	QP	
6		511.6630	29.07	-7.16	21.91	46.00	-24.09	QP	

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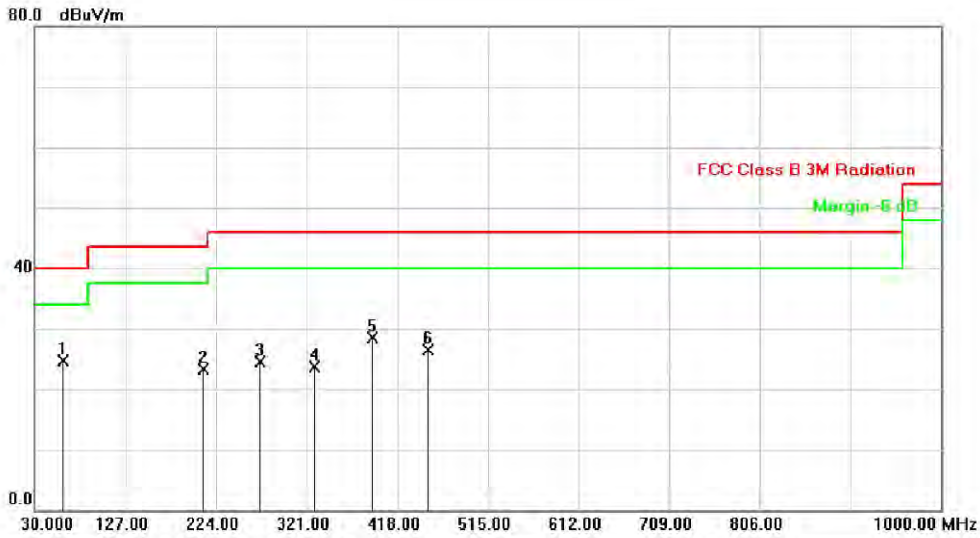
Operation Mode:	Config 2 play recording	Test Date:	Nov. 24, 2014
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	30.2140	43.49	-13.34	30.15	40.00	-9.85	QP	
2		37.9500	39.92	-12.79	27.13	40.00	-12.87	QP	
3		60.1740	37.87	-13.08	24.79	40.00	-15.21	QP	
4		120.4380	38.69	-14.56	24.13	43.50	-19.37	QP	
5		331.0500	32.27	-10.62	21.65	46.00	-24.35	QP	
6		391.1940	34.51	-9.33	25.18	46.00	-20.82	QP	

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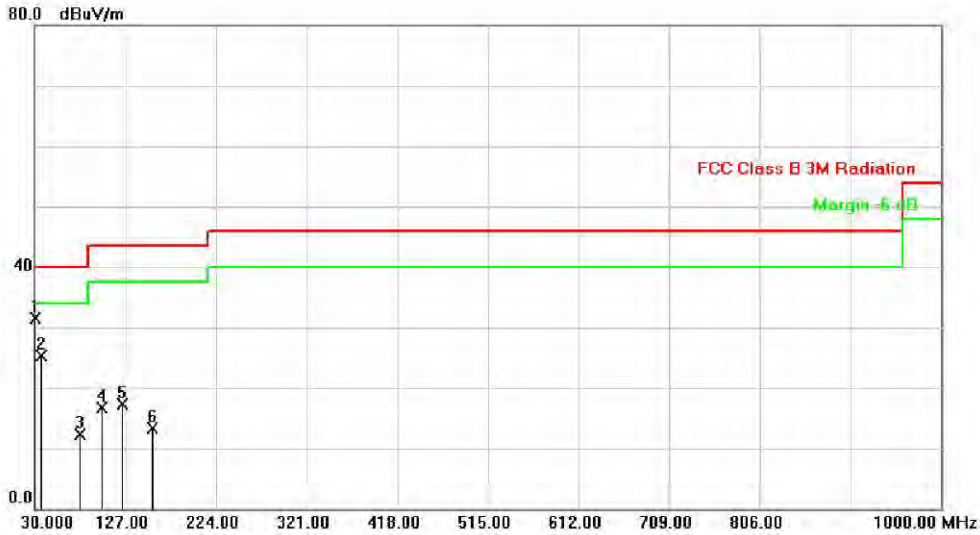
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	60.1340	37.77	-13.07	24.70	40.00	-15.30	QP	
2		210.5480	38.16	-14.76	23.40	43.50	-20.10	QP	
3		270.8360	36.98	-12.54	24.44	46.00	-21.56	QP	
4		330.0360	34.36	-10.65	23.71	46.00	-22.29	QP	
5		391.1120	37.81	-9.33	28.48	46.00	-17.52	QP	
6		451.4140	34.03	-7.60	26.43	46.00	-19.57	QP	

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Operation Mode:	Config 2 MP3	Test Date:	Nov. 24, 2014
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	30.6200	44.87	-13.33	31.54	40.00	-8.46	QP	
2		37.3100	38.12	-12.87	25.25	40.00	-14.75	QP	
3		77.9300	28.49	-16.18	12.31	40.00	-27.69	QP	
4		101.7980	33.67	-17.03	16.64	43.50	-26.86	QP	
5		124.2360	31.33	-14.06	17.27	43.50	-26.23	QP	
6		156.6760	25.22	-11.96	13.26	43.50	-30.24	QP	

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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	37.3950	28.19	-12.86	15.33	40.00	-24.67	QP	
2		77.8540	27.88	-16.18	11.70	40.00	-28.30	QP	
3		146.8520	27.53	-12.20	15.33	43.50	-28.17	QP	
4		160.3860	26.61	-11.91	14.70	43.50	-28.80	QP	
5		242.7660	25.03	-13.27	11.76	46.00	-34.24	QP	
6		270.0000	28.27	-12.57	15.70	46.00	-30.30	QP	

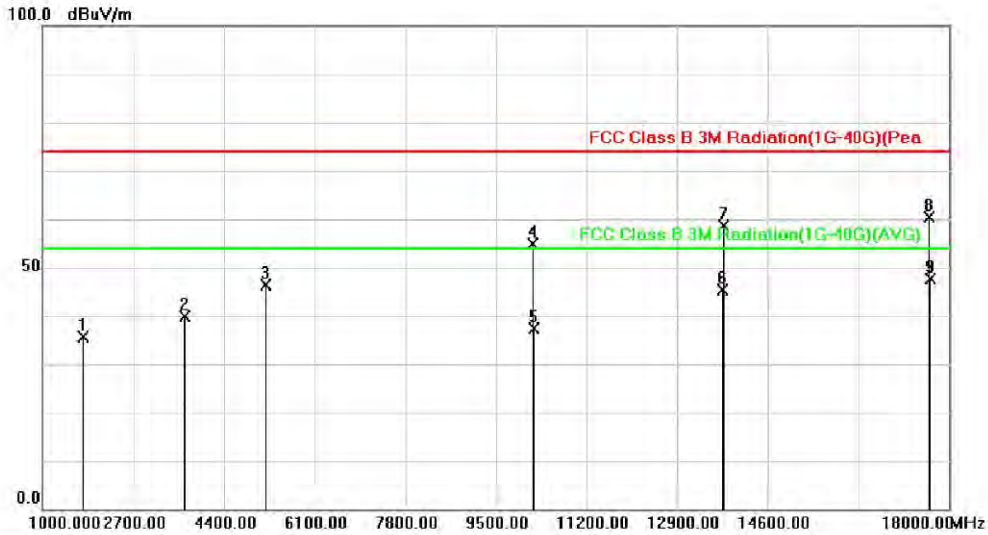
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Above 1 - 18 GHz

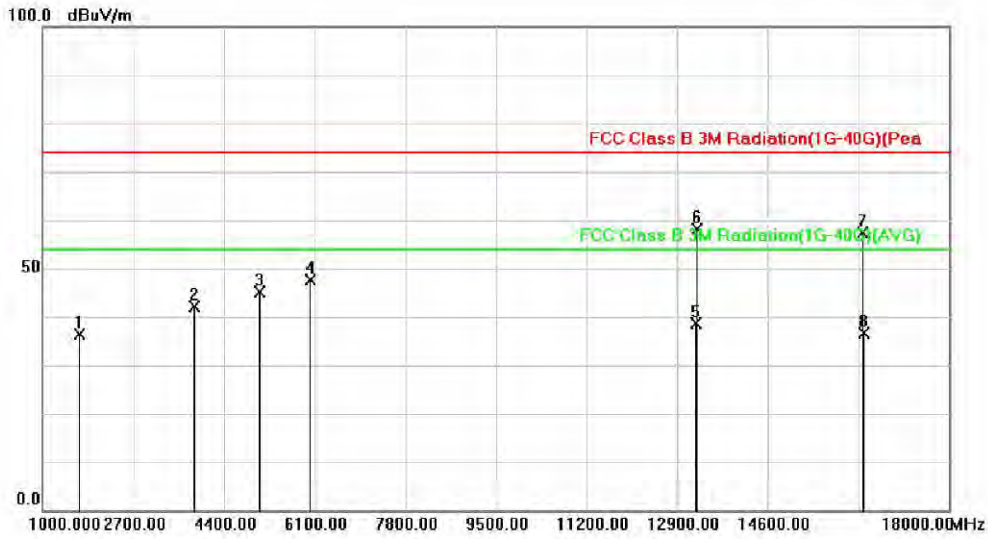
Operation Mode:	Config 1 DATA Link (USB)	Test Date:	Jan. 03, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		1765.000	54.79	-19.09	35.70	74.00	-38.30	peak	
2		3669.000	53.60	-13.78	39.82	74.00	-34.18	peak	
3		5182.000	56.65	-10.31	46.34	74.00	-27.66	peak	
4		10197.000	53.44	1.44	54.88	74.00	-19.12	peak	
5		10214.000	36.01	1.46	37.47	54.00	-16.53	AVG	
6		13742.000	-8.75	54.06	45.31	54.00	-8.69	AVG	
7		13767.000	4.46	54.11	58.57	74.00	-15.43	peak	
8		17626.000	3.30	57.16	60.46	74.00	-13.54	peak	
9 *		17653.000	-9.77	57.34	47.57	54.00	-6.43	AVG	

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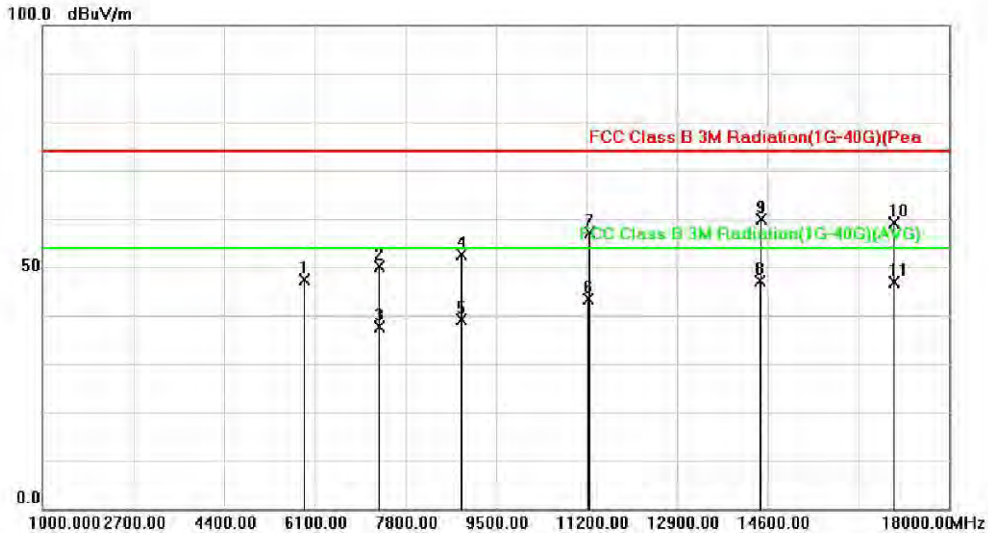
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		1697.000	55.57	-19.22	36.35	74.00	-37.65	peak	
2		3839.000	55.49	-13.31	42.18	74.00	-31.82	peak	
3		5063.000	55.66	-10.44	45.22	74.00	-28.78	peak	
4		6015.000	56.29	-8.56	47.73	74.00	-26.27	peak	
5 *		13249.000	-14.38	52.92	38.54	54.00	-15.46	AVG	
6		13274.000	5.04	52.98	58.02	74.00	-15.98	peak	
7		16385.000	4.52	52.87	57.39	74.00	-16.61	peak	
8		16407.000	-16.21	52.96	36.75	54.00	-17.25	AVG	

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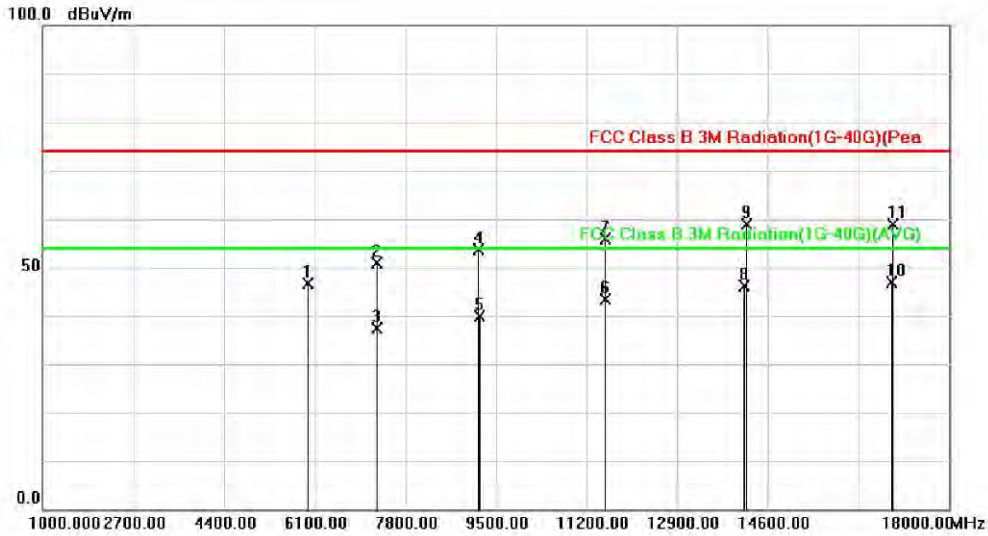
Operation Mode:	Config 2 Recording (Front)	Test Date:	Nov. 23, 2014
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		5913.000	56.02	-8.61	47.41	74.00	-26.59	peak	
2		7307.000	53.85	-3.63	50.22	74.00	-23.78	peak	
3		7312.250	41.29	-3.61	37.68	54.00	-16.32	AVG	
4		8854.000	53.27	-0.60	52.67	74.00	-21.33	peak	
5		8860.230	39.65	-0.59	39.06	54.00	-14.94	AVG	
6		11242.280	-8.70	52.20	43.50	54.00	-10.50	AVG	
7		11251.000	4.88	52.22	57.10	74.00	-16.90	peak	
8 *		14463.680	-8.41	55.65	47.24	54.00	-6.76	AVG	
9		14464.000	4.31	55.65	59.96	74.00	-14.04	peak	
10		16963.000	3.45	55.65	59.10	74.00	-14.90	peak	
11		16963.480	-8.76	55.65	46.89	54.00	-7.11	AVG	

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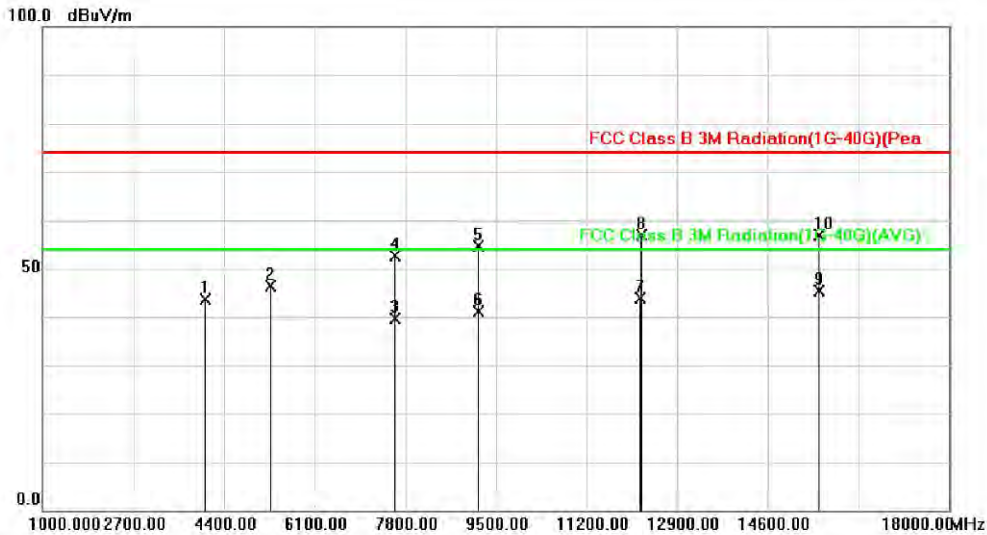
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5964.000	55.02	-8.45	46.57	74.00	-27.43	peak	
2		7273.000	54.67	-3.73	50.94	74.00	-23.06	peak	
3		7278.270	41.18	-3.71	37.47	54.00	-16.53	AVG	
4		9177.000	53.53	0.00	53.53	74.00	-20.47	peak	
5		9183.950	39.89	0.01	39.90	54.00	-14.10	AVG	
6		11540.630	-8.93	52.29	43.36	54.00	-10.64	AVG	
7		11557.000	3.58	52.26	55.84	74.00	-18.16	peak	
8		14167.050	-9.18	55.26	46.08	54.00	-7.92	AVG	
9		14192.000	3.56	55.29	58.85	74.00	-15.15	peak	
10	*	16912.650	-8.57	55.47	46.90	54.00	-7.10	AVG	
11		16946.000	3.19	55.60	58.79	74.00	-15.21	peak	

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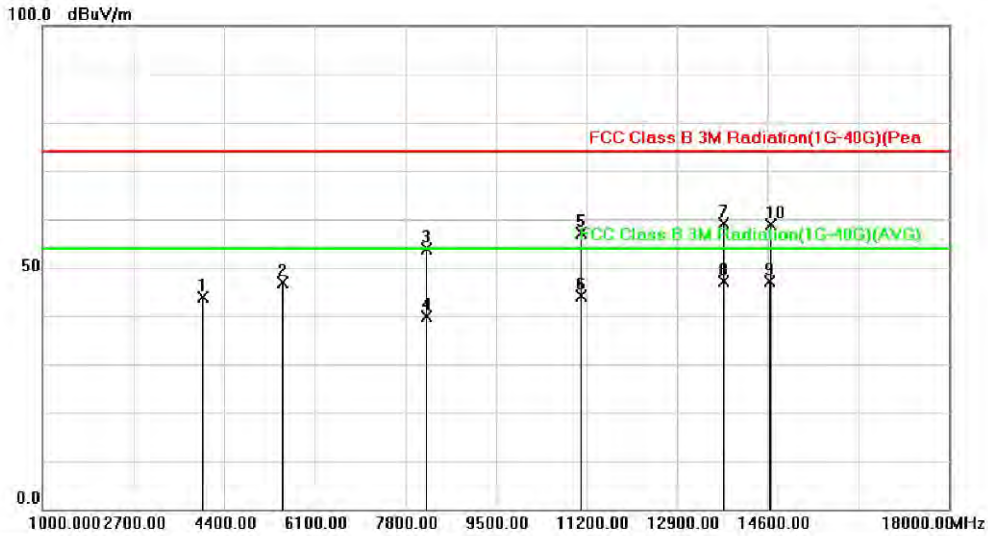
Operation Mode:	Config 2 Recording (Back)	Test Date:	Jan. 03, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4043.000	55.00	-11.26	43.74	74.00	-30.26	peak	
2		5267.000	55.30	-8.81	46.49	74.00	-27.51	peak	
3		7608.280	41.08	-1.57	39.51	54.00	-14.49	AVG	
4		7613.000	54.28	-1.55	52.73	74.00	-21.27	peak	
5		9177.000	53.58	0.98	54.56	74.00	-19.44	peak	
6		9177.559	40.25	0.98	41.23	54.00	-12.77	AVG	
7		12215.980	-8.76	52.57	43.81	54.00	-10.19	AVG	
8		12220.000	4.36	52.57	56.93	74.00	-17.07	peak	
9	*	15559.050	-8.45	53.75	45.30	54.00	-8.70	AVG	
10		15569.000	3.25	53.74	56.99	74.00	-17.01	peak	

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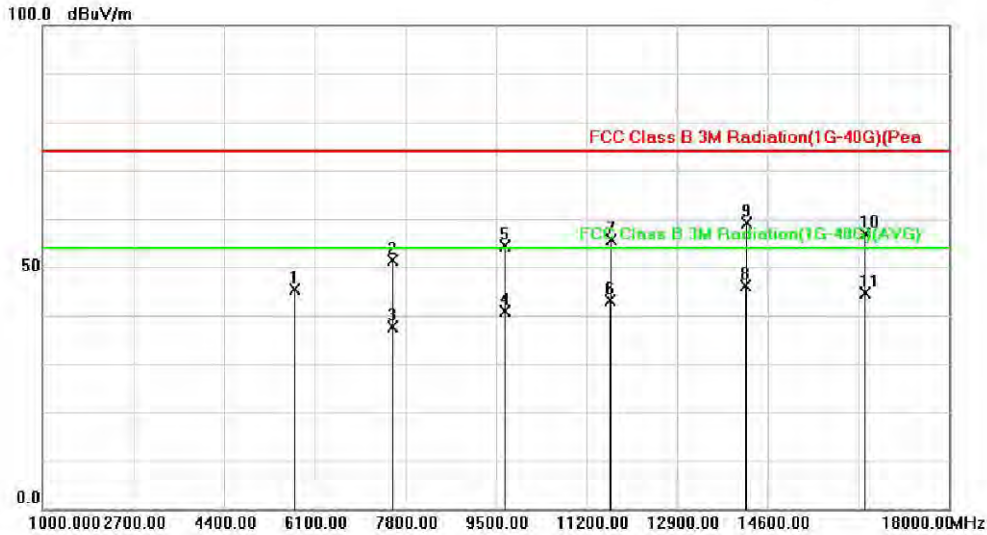
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		3992.000	55.31	-11.38	43.93	74.00	-30.07	peak	
2		5488.000	55.37	-8.55	46.82	74.00	-27.18	peak	
3		8191.000	54.66	-0.77	53.89	74.00	-20.11	peak	
4		8191.380	40.69	-0.77	39.92	54.00	-14.08	AVG	
5		11098.000	52.88	4.16	57.04	74.00	-16.96	peak	
6		11107.950	-8.36	52.61	44.25	54.00	-9.75	AVG	
7		13767.000	3.55	55.54	59.09	74.00	-14.91	peak	
8 *		13776.191	-8.34	55.56	47.22	54.00	-6.78	AVG	
9		14641.010	-9.40	56.43	47.03	54.00	-6.97	AVG	
10		14651.000	2.59	56.41	59.00	74.00	-15.00	peak	

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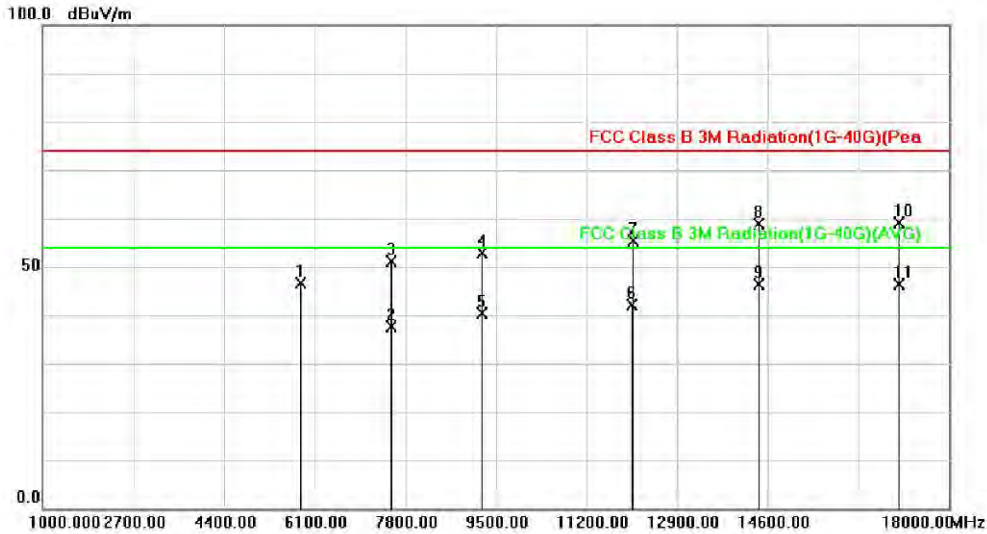
Operation Mode:	Config 2 play recording	Test Date:	Nov. 23, 2014
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		5726.000	54.64	-9.16	45.48	74.00	-28.52	peak	
2		7562.000	54.23	-2.90	51.33	74.00	-22.67	peak	
3		7562.240	40.53	-2.90	37.63	54.00	-16.37	AVG	
4		9665.220	39.66	1.28	40.94	54.00	-13.06	AVG	
5		9670.000	53.02	1.29	54.31	74.00	-19.69	peak	
6		11649.310	-8.84	52.04	43.20	54.00	-10.80	AVG	
7		11659.000	3.68	52.01	55.69	74.00	-18.31	peak	
8 *		14186.020	-9.19	55.28	46.09	54.00	-7.91	AVG	
9		14192.000	3.75	55.29	59.04	74.00	-14.96	peak	
10		16419.000	3.07	53.69	56.76	74.00	-17.24	peak	
11		16419.610	-9.02	53.70	44.68	54.00	-9.32	AVG	

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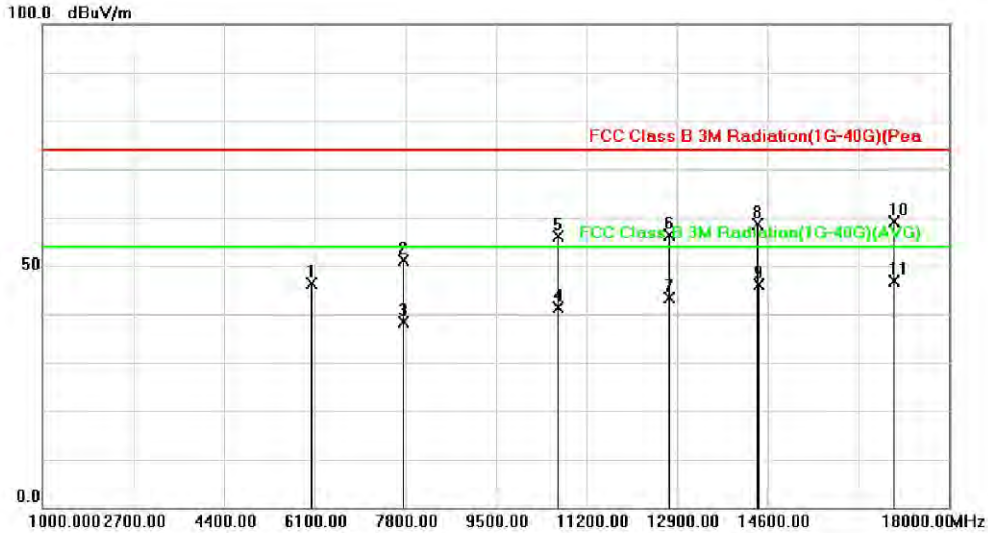
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5828.000	55.49	-8.86	46.63	74.00	-27.37	peak	
2		7536.540	40.68	-2.96	37.72	54.00	-16.28	AVG	
3		7545.000	54.09	-2.94	51.15	74.00	-22.85	peak	
4		9245.000	52.81	0.12	52.93	74.00	-21.07	peak	
5		9246.730	40.25	0.13	40.38	54.00	-13.62	AVG	
6		12057.010	-9.00	51.20	42.20	54.00	-11.80	AVG	
7		12067.000	4.21	51.20	55.41	74.00	-18.59	peak	
8		14430.000	3.23	55.61	58.84	74.00	-15.16	peak	
9 *		14439.990	-9.27	55.62	46.35	54.00	-7.65	AVG	
10		17048.000	3.24	55.94	59.18	74.00	-14.82	peak	
11		17053.290	-9.60	55.95	46.35	54.00	-7.65	AVG	

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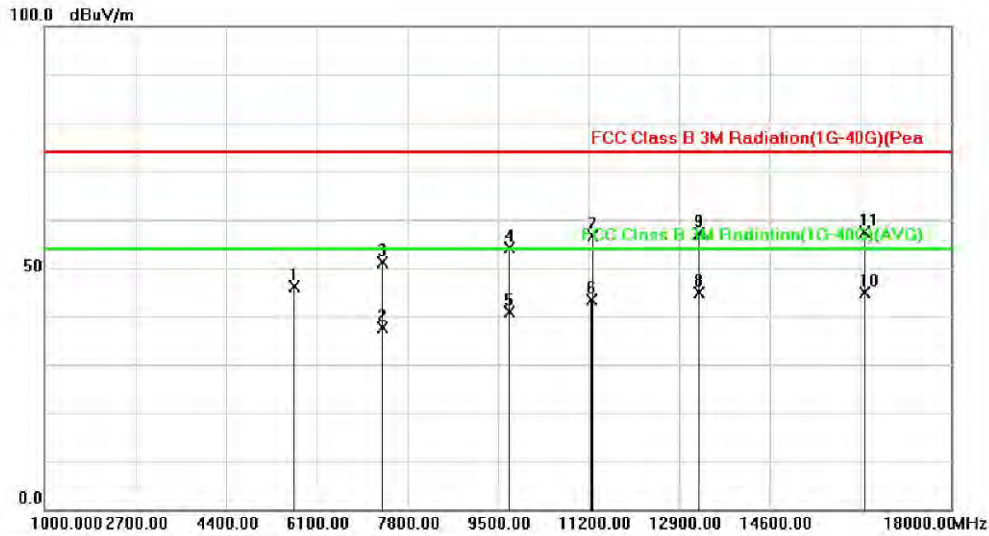
Operation Mode:	Config 2 MP3	Test Date:	Nov. 23, 2014
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		6032.000	54.57	-8.22	46.35	74.00	-27.65	peak	
2		7766.000	53.68	-2.43	51.25	74.00	-22.75	peak	
3		7767.530	40.73	-2.43	38.30	54.00	-15.70	AVG	
4		10663.170	39.01	2.40	41.41	54.00	-12.59	AVG	
5		10673.000	53.80	2.45	56.25	74.00	-17.75	peak	
6		12747.000	4.36	51.97	56.33	74.00	-17.67	peak	
7		12753.710	-8.56	51.98	43.42	54.00	-10.58	AVG	
8		14413.000	3.05	55.59	58.64	74.00	-15.36	peak	
9		14422.240	-9.52	55.60	46.08	54.00	-7.92	AVG	
10		16963.000	3.51	55.65	59.16	74.00	-14.84	peak	
11 *		16963.240	-8.79	55.65	46.86	54.00	-7.14	AVG	

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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		5675.000	55.38	-9.31	46.07	74.00	-27.93	peak	
2		7331.250	41.08	-3.54	37.54	54.00	-16.46	AVG	
3		7341.000	54.71	-3.53	51.18	74.00	-22.82	peak	
4		9704.000	52.78	1.44	54.22	74.00	-19.78	peak	
5		9704.260	39.48	1.44	40.92	54.00	-13.08	AVG	
6		11258.110	-8.87	52.22	43.35	54.00	-10.65	AVG	
7		11268.000	4.30	52.22	56.52	74.00	-17.48	peak	
8	*	13264.050	-8.59	53.43	44.84	54.00	-9.16	AVG	
9		13274.000	3.79	53.45	57.24	74.00	-16.76	peak	
10		16381.200	-8.76	53.57	44.81	54.00	-9.19	AVG	
11		16385.000	3.90	53.58	57.48	74.00	-16.52	peak	

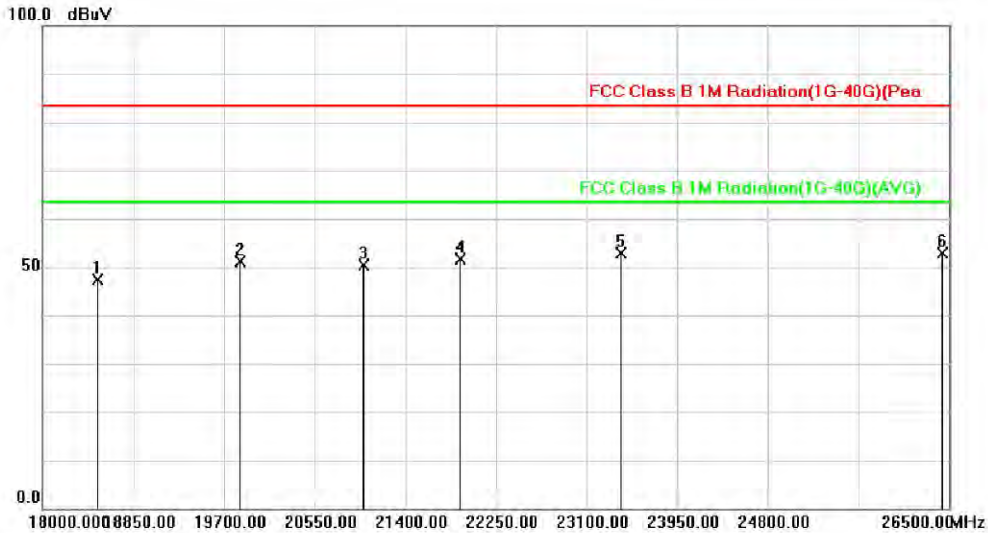
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Above 18 – 26.5 GHz

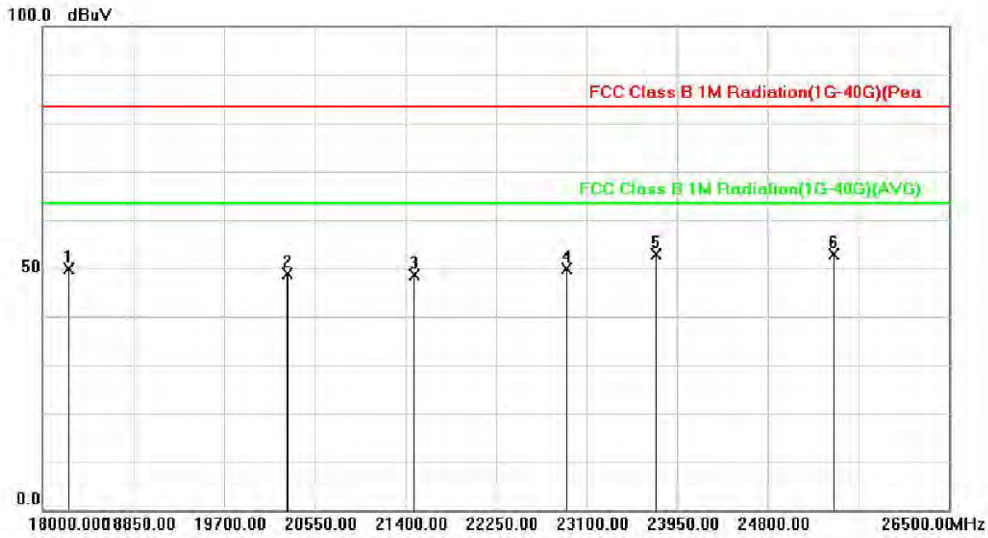
Operation Mode:	Config 1 DATA Link (USB)	Test Date:	Jan. 03, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		18510.000	59.88	-12.43	47.45	83.50	-36.05	peak	
2		19853.000	63.57	-12.49	51.08	83.50	-32.42	peak	
3		21009.000	62.02	-11.71	50.31	83.50	-33.19	peak	
4		21910.000	62.83	-11.27	51.56	83.50	-31.94	peak	
5 *		23423.000	63.35	-10.48	52.87	83.50	-30.63	peak	
6		26432.000	62.30	-9.45	52.85	83.50	-30.65	peak	

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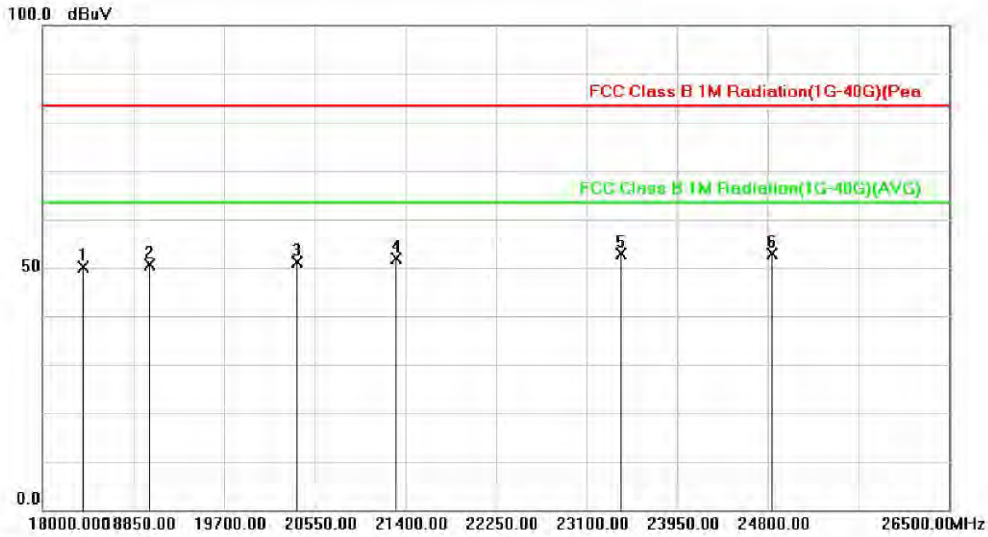
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		18238.000	62.83	-12.83	50.00	83.50	-33.50	peak	
2		20295.000	61.26	-12.49	48.77	83.50	-34.73	peak	
3		21485.000	60.02	-11.45	48.57	83.50	-34.93	peak	
4		22913.000	60.88	-10.89	49.99	83.50	-33.51	peak	
5		23746.000	63.63	-10.81	52.82	83.50	-30.68	peak	
6 *		25412.000	60.59	-7.76	52.83	83.50	-30.67	peak	

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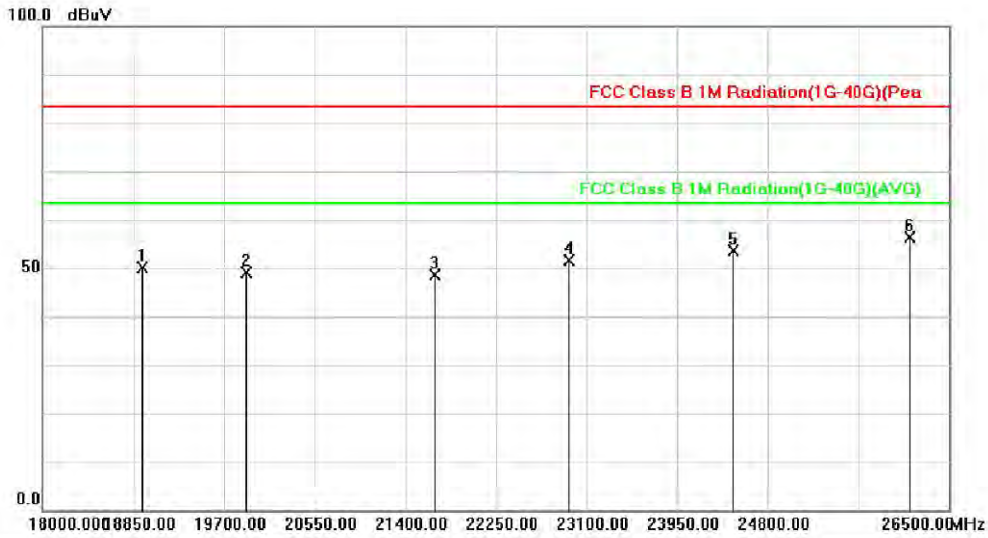
Operation Mode:	Config 2 Recording (Front)	Test Date:	Nov. 23, 2014
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		18374.000	62.71	-12.63	50.08	83.50	-33.42	peak	
2		19003.000	62.45	-11.78	50.67	83.50	-32.83	peak	
3		20380.000	63.49	-12.33	51.16	83.50	-32.34	peak	
4		21315.000	63.45	-11.54	51.91	83.50	-31.59	peak	
5		23423.000	63.35	-10.48	52.87	83.50	-30.63	peak	
6	*	24834.000	62.53	-9.65	52.88	83.50	-30.62	peak	

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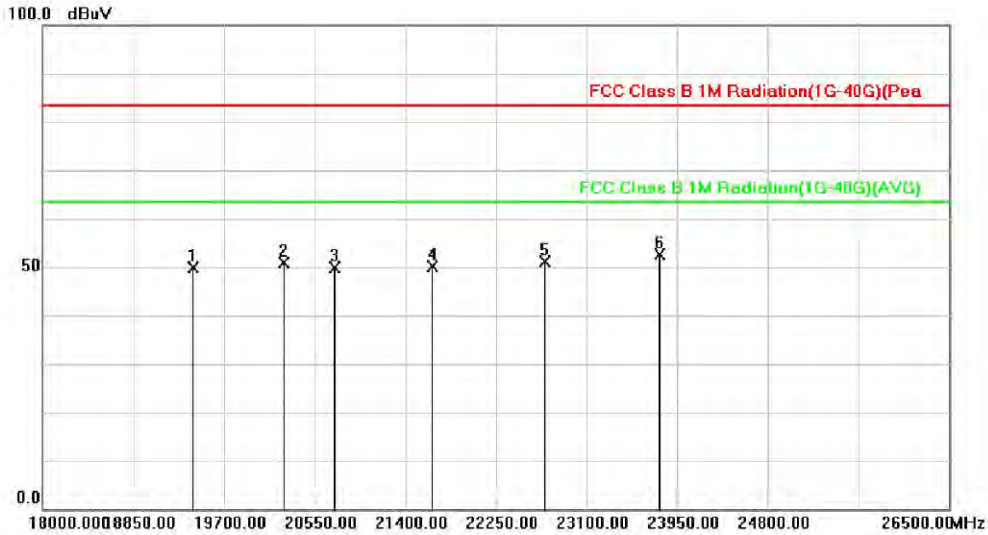
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		18935.000	62.10	-11.87	50.23	83.50	-33.27	peak	
2		19904.000	61.92	-12.67	49.25	83.50	-34.25	peak	
3		21672.000	60.05	-11.37	48.68	83.50	-34.82	peak	
4		22930.000	62.58	-10.87	51.71	83.50	-31.79	peak	
5		24477.000	63.59	-9.98	53.61	83.50	-29.89	peak	
6	*	26126.000	65.35	-8.95	56.40	83.50	-27.10	peak	

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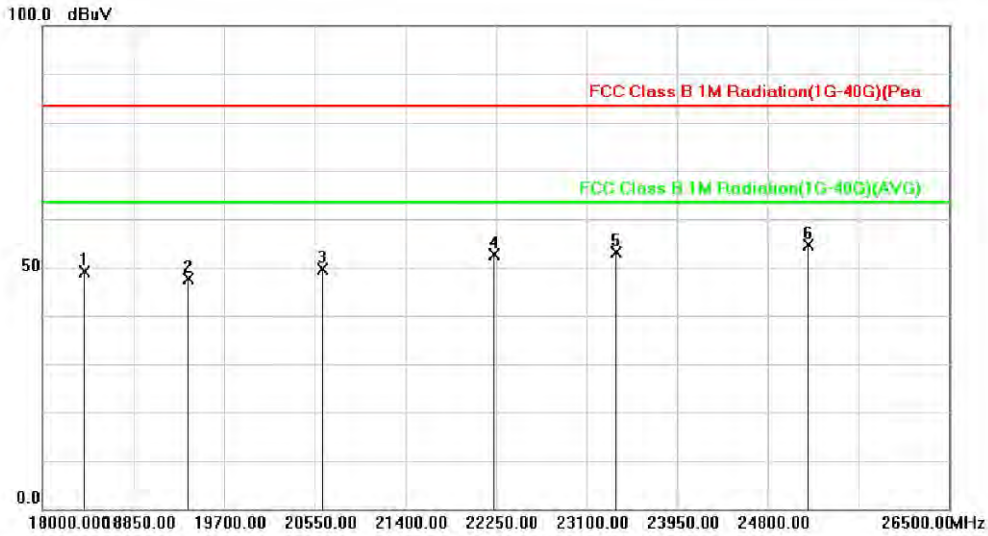
Operation Mode:	Config 2 Recording (Back)	Test Date:	Jan. 03, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		19411.000	61.30	-11.33	49.97	83.50	-33.53	peak	
2		20261.000	63.46	-12.55	50.91	83.50	-32.59	peak	
3		20737.000	61.88	-11.94	49.94	83.50	-33.56	peak	
4		21655.000	61.48	-11.38	50.10	83.50	-33.40	peak	
5		22709.000	62.13	-11.11	51.02	83.50	-32.48	peak	
6	*	23780.000	63.39	-10.87	52.52	83.50	-30.98	peak	

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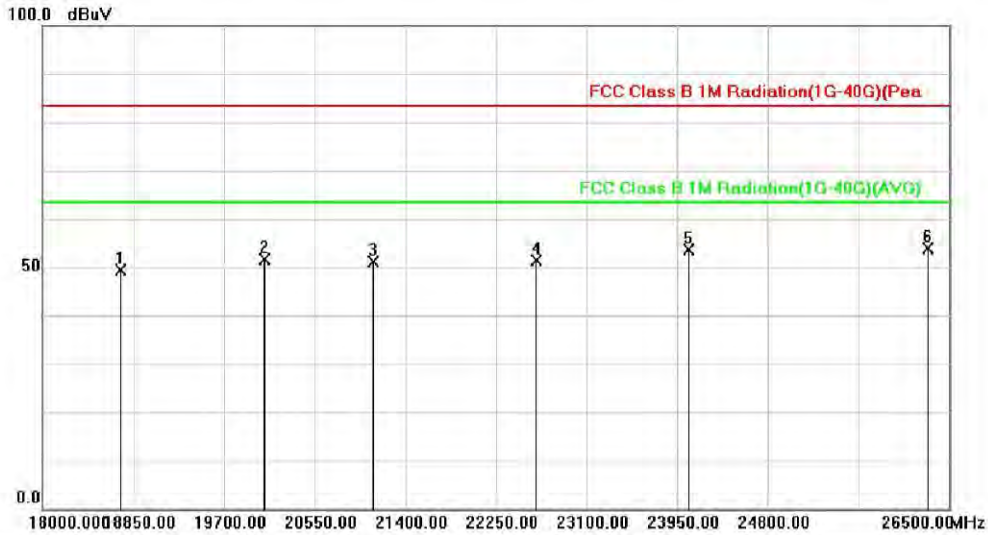
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		18391.000	61.77	-12.61	49.16	83.50	-34.34	peak	
2		19360.000	58.92	-11.39	47.53	83.50	-35.97	peak	
3		20618.000	61.68	-12.02	49.66	83.50	-33.84	peak	
4		22233.000	63.85	-11.28	52.57	83.50	-30.93	peak	
5		23372.000	63.65	-10.52	53.13	83.50	-30.37	peak	
6 *		25174.000	63.48	-8.78	54.70	83.50	-28.80	peak	

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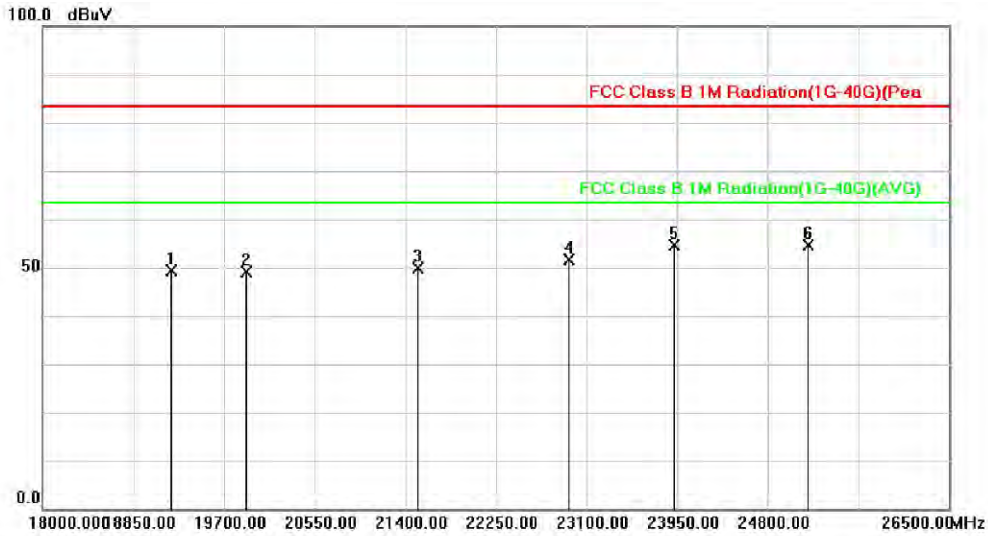
Operation Mode:	Config 2 play recording	Test Date:	Nov. 23, 2014
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		18731.000	61.56	-12.14	49.42	83.50	-34.08	peak	
2		20074.000	64.52	-12.88	51.64	83.50	-31.86	peak	
3		21094.000	62.85	-11.67	51.18	83.50	-32.32	peak	
4		22624.000	62.59	-11.20	51.39	83.50	-32.11	peak	
5		24052.000	64.81	-11.07	53.74	83.50	-29.76	peak	
6 *		26296.000	63.15	-9.23	53.92	83.50	-29.58	peak	

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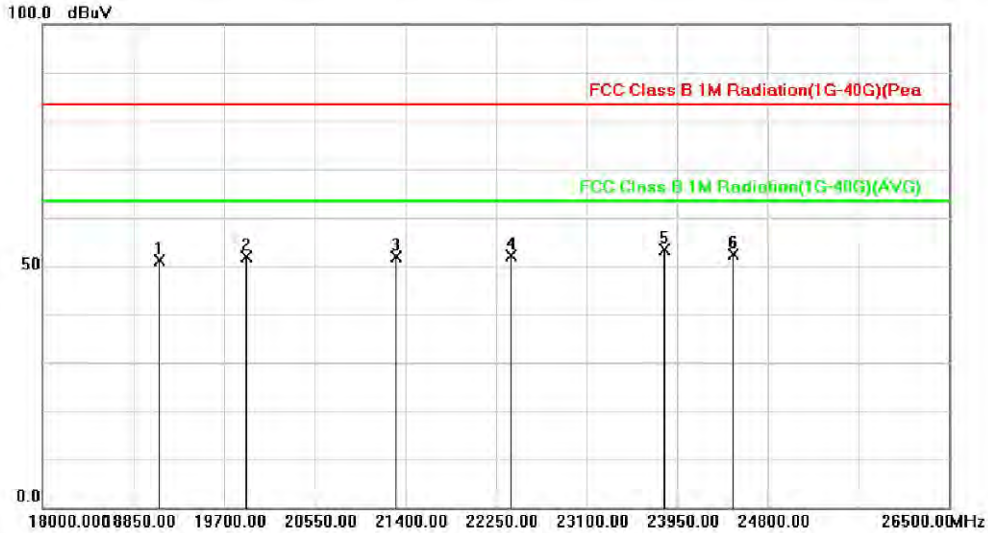
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		19207.000	60.85	-11.56	49.29	83.50	-34.21	peak	
2		19904.000	61.92	-12.67	49.25	83.50	-34.25	peak	
3		21519.000	61.41	-11.43	49.98	83.50	-33.52	peak	
4		22930.000	62.58	-10.87	51.71	83.50	-31.79	peak	
5	*	23916.000	65.80	-11.07	54.73	83.50	-28.77	peak	
6		25174.000	63.48	-8.78	54.70	83.50	-28.80	peak	

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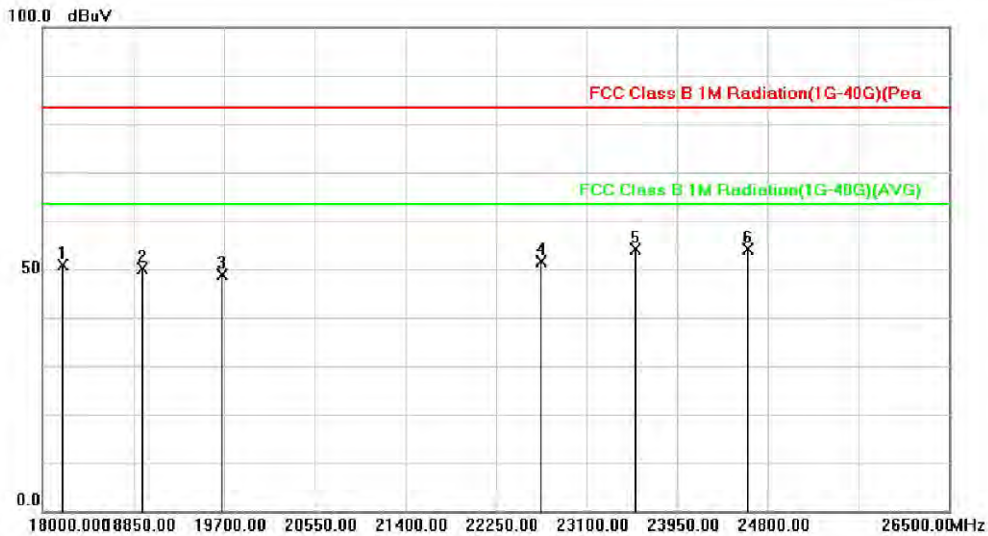
Operation Mode:	Config 2 MP3	Test Date:	Nov. 23, 2014
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		19088.000	62.86	-11.69	51.17	83.50	-32.33	peak	
2		19904.000	64.66	-12.67	51.99	83.50	-31.51	peak	
3		21315.000	63.45	-11.54	51.91	83.50	-31.59	peak	
4		22386.000	63.37	-11.31	52.06	83.50	-31.44	peak	
5	*	23831.000	64.22	-10.94	53.28	83.50	-30.22	peak	
6		24477.000	62.46	-9.98	52.48	83.50	-31.02	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		18187.000	63.88	-12.91	50.97	83.50	-32.53	peak	
2		18935.000	62.10	-11.87	50.23	83.50	-33.27	peak	
3		19683.000	60.83	-11.89	48.94	83.50	-34.56	peak	
4		22675.000	62.66	-11.14	51.52	83.50	-31.98	peak	
5 *		23559.000	64.61	-10.52	54.09	83.50	-29.41	peak	
6		24613.000	63.88	-9.83	54.05	83.50	-29.45	peak	

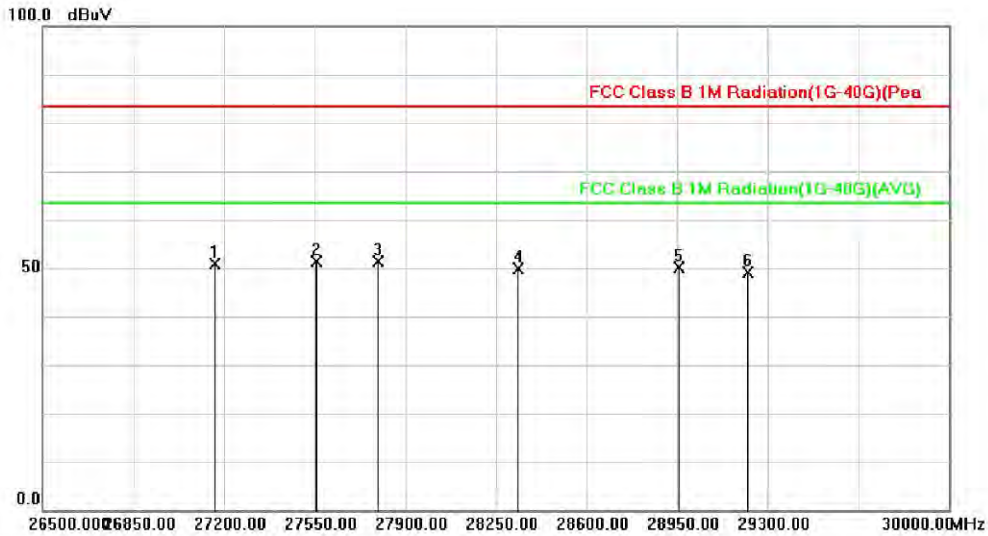
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Above 26.5 – 30 GHz

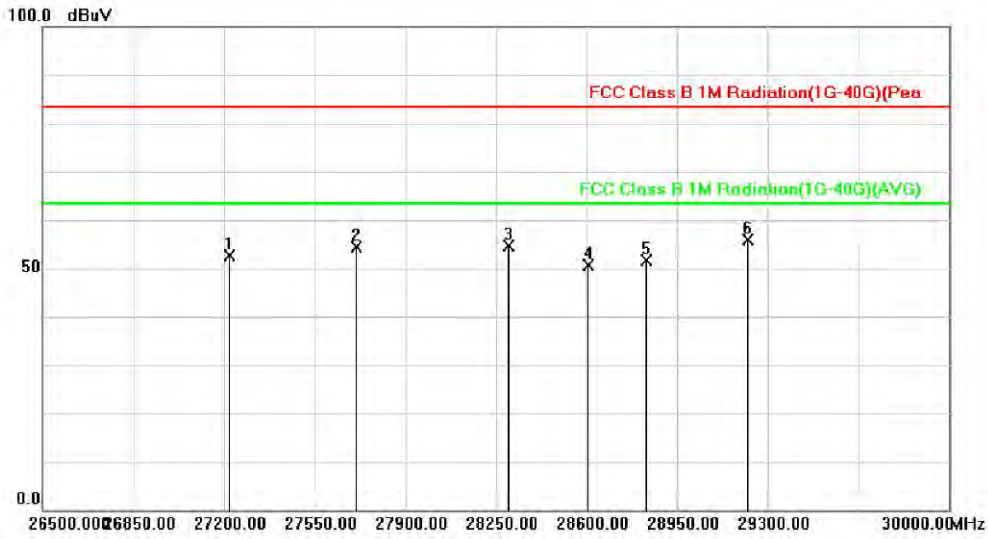
Operation Mode:	Config 1 DATA Link (USB)	Test Date:	Jan. 03, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		27165.000	61.26	-10.37	50.89	83.50	-32.61	peak	
2 *		27557.000	62.24	-10.91	51.33	83.50	-32.17	peak	
3		27795.000	62.43	-11.11	51.32	83.50	-32.18	peak	
4		28334.000	60.55	-10.65	49.90	83.50	-33.60	peak	
5		28957.000	62.27	-12.07	50.20	83.50	-33.30	peak	
6		29223.000	61.50	-12.26	49.24	83.50	-34.26	peak	

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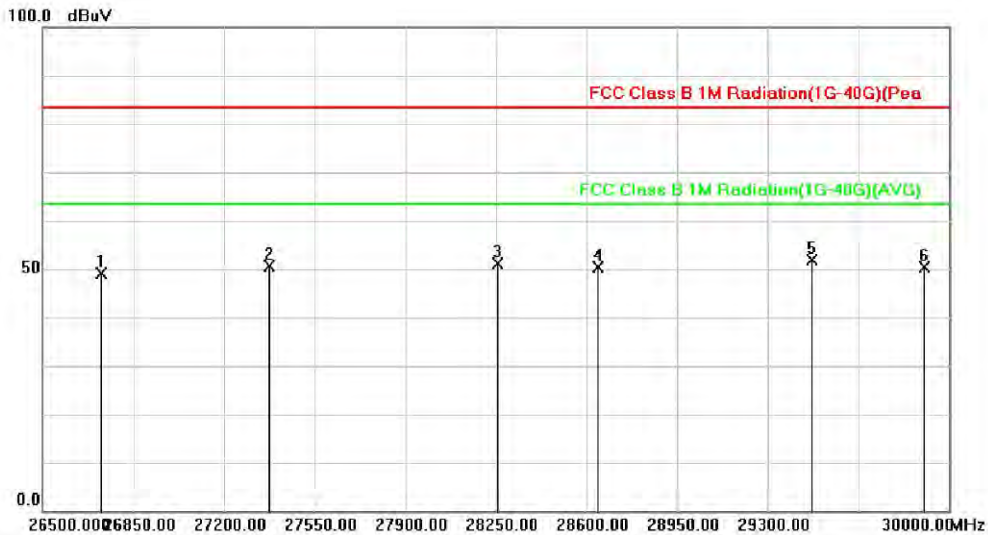
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		27221.000	62.96	-10.45	52.51	83.50	-30.99	peak	
2		27711.000	65.48	-11.04	54.44	83.50	-29.06	peak	
3		28299.000	65.22	-10.71	54.51	83.50	-28.99	peak	
4		28607.000	61.28	-10.73	50.55	83.50	-32.95	peak	
5		28831.000	63.22	-11.59	51.63	83.50	-31.87	peak	
6 *		29223.000	68.04	-12.26	55.78	83.50	-27.72	peak	

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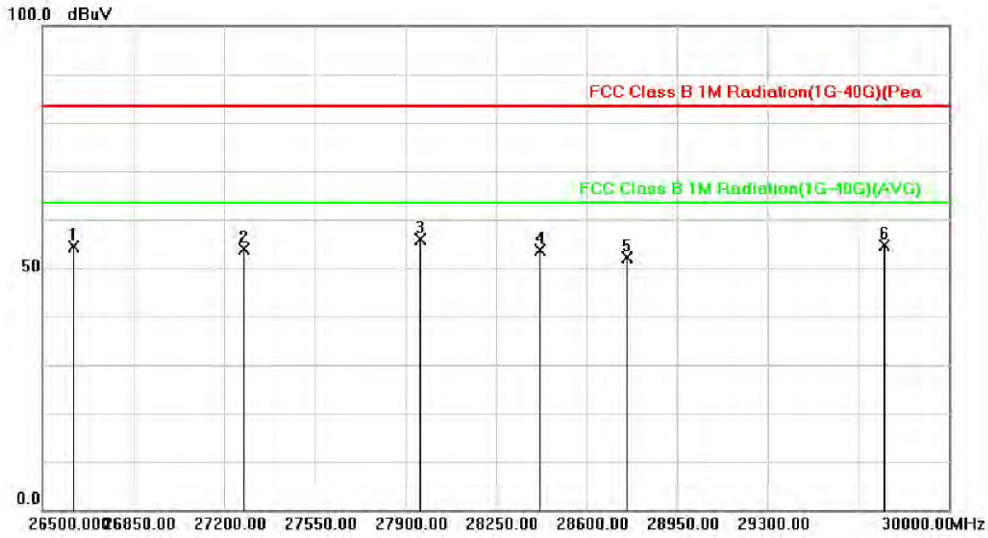
Operation Mode:	Config 2 Recording (Front)	Test Date:	Nov. 23, 2014
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		26724.000	58.83	-9.81	49.02	83.50	-34.48	peak	
2		27375.000	61.36	-10.68	50.68	83.50	-32.82	peak	
3		28257.000	61.86	-10.79	51.07	83.50	-32.43	peak	
4		28642.000	61.36	-10.87	50.49	83.50	-33.01	peak	
5	*	29468.000	64.06	-12.27	51.79	83.50	-31.71	peak	
6		29902.000	62.68	-12.26	50.42	83.50	-33.08	peak	

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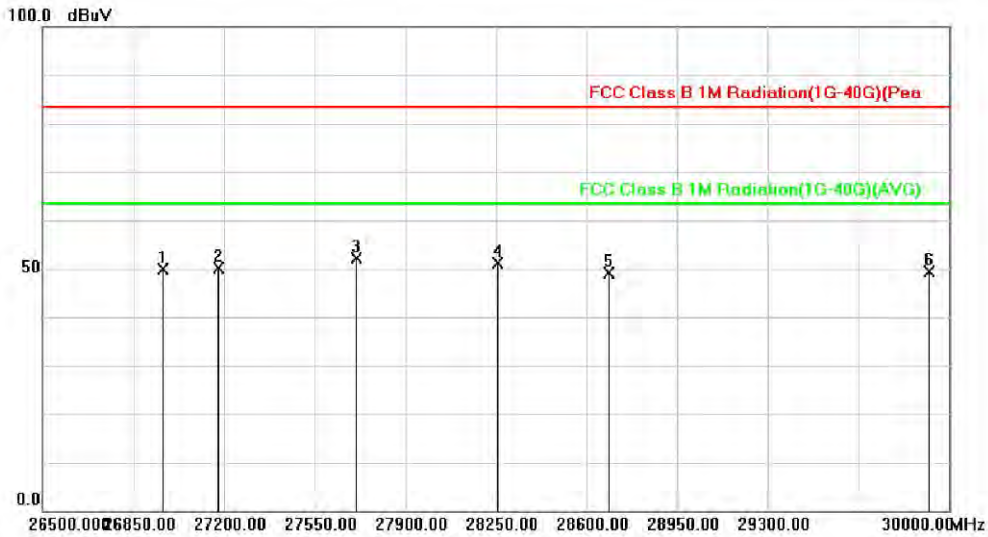
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		26619.000	64.16	-9.69	54.47	83.50	-29.03	peak	
2		27277.000	64.36	-10.54	53.82	83.50	-29.68	peak	
3	*	27956.000	67.10	-11.26	55.84	83.50	-27.66	peak	
4		28418.000	63.99	-10.48	53.51	83.50	-29.99	peak	
5		28754.000	63.33	-11.29	52.04	83.50	-31.46	peak	
6		29748.000	66.99	-12.26	54.73	83.50	-28.77	peak	

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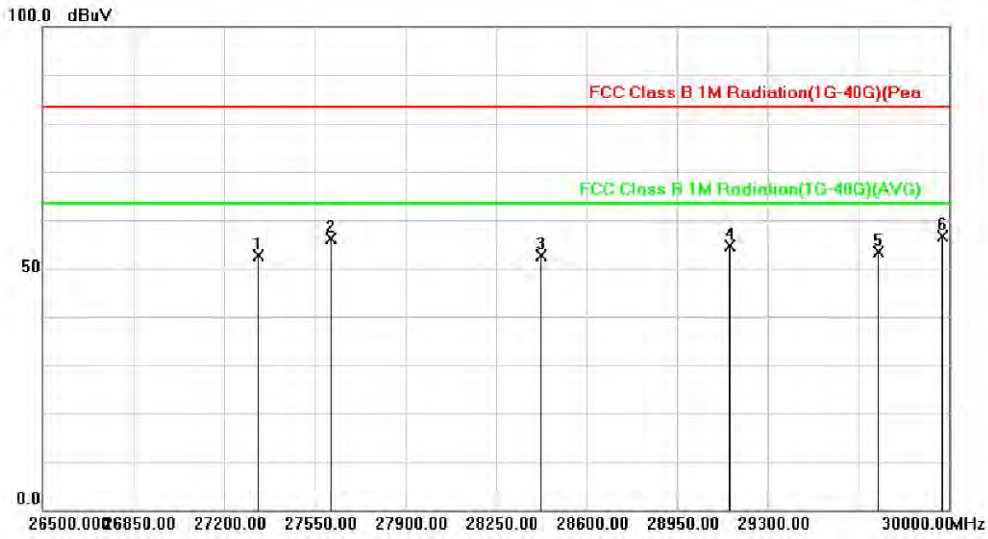
Operation Mode:	Config 2 Recording (Back)	Test Date:	Jan. 03, 2015
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		26962.000	60.06	-10.09	49.97	83.50	-33.53	peak	
2		27179.000	60.63	-10.40	50.23	83.50	-33.27	peak	
3	*	27711.000	63.15	-11.04	52.11	83.50	-31.39	peak	
4		28257.000	61.86	-10.79	51.07	83.50	-32.43	peak	
5		28684.000	60.17	-11.03	49.14	83.50	-34.36	peak	
6		29923.000	61.72	-12.26	49.46	83.50	-34.04	peak	

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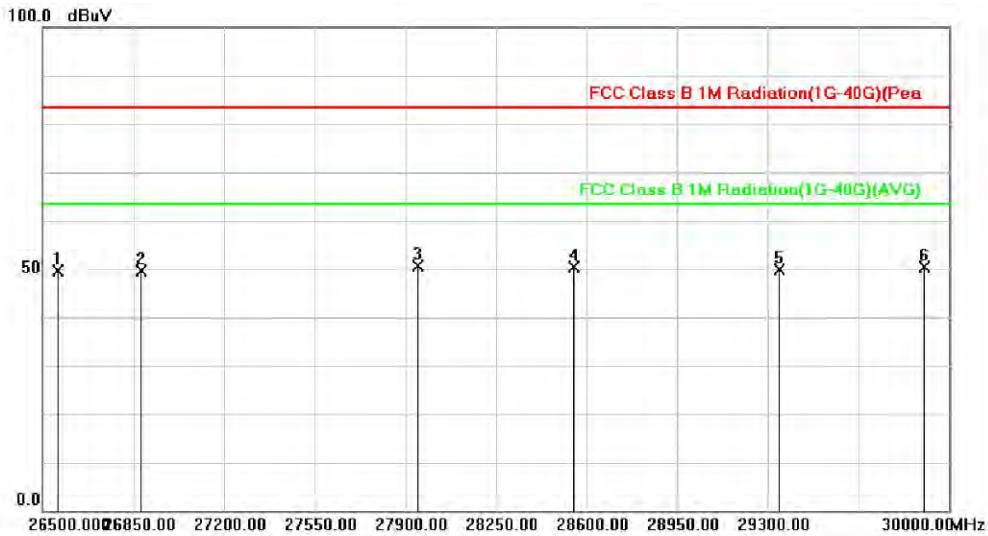
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		27333.000	63.19	-10.62	52.57	83.50	-30.93	peak	
2		27613.000	67.07	-10.95	56.12	83.50	-27.38	peak	
3		28425.000	63.07	-10.46	52.61	83.50	-30.89	peak	
4		29153.000	66.76	-12.25	54.51	83.50	-28.99	peak	
5		29727.000	65.63	-12.27	53.36	83.50	-30.14	peak	
6	*	29972.000	68.98	-12.26	56.72	83.50	-26.78	peak	

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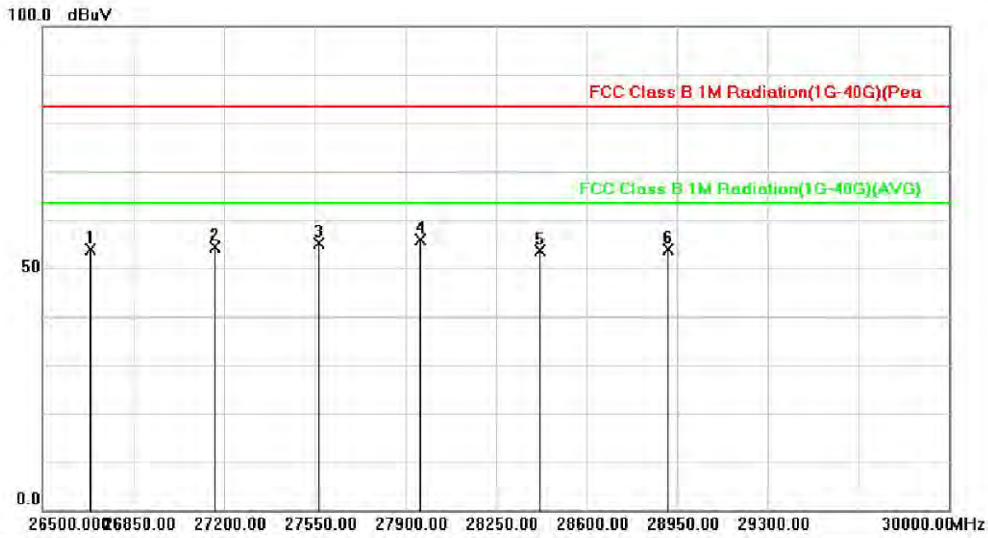
Operation Mode:	Config 2 play recording	Test Date:	Nov. 23, 2014
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Over dB	Detector	Comment
1		26556.000	59.20	-9.63	49.57	83.50	-33.93	peak	
2		26878.000	59.62	-9.99	49.63	83.50	-33.87	peak	
3	*	27949.000	61.88	-11.25	50.63	83.50	-32.87	peak	
4		28551.000	60.97	-10.52	50.45	83.50	-33.05	peak	
5		29342.000	62.09	-12.26	49.83	83.50	-33.67	peak	
6		29902.000	62.68	-12.26	50.42	83.50	-33.08	peak	

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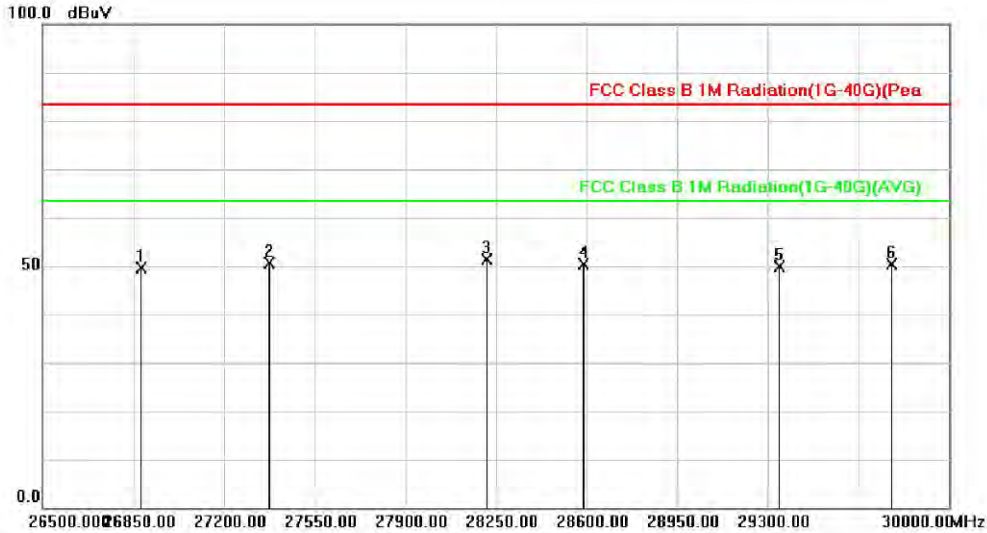
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		26682.000	63.74	-9.76	53.98	83.50	-29.52	peak	
2		27165.000	64.63	-10.37	54.26	83.50	-29.24	peak	
3		27564.000	66.05	-10.91	55.14	83.50	-28.36	peak	
4	*	27956.000	67.10	-11.26	55.84	83.50	-27.66	peak	
5		28418.000	63.99	-10.48	53.51	83.50	-29.99	peak	
6		28915.000	65.76	-11.91	53.85	83.50	-29.65	peak	

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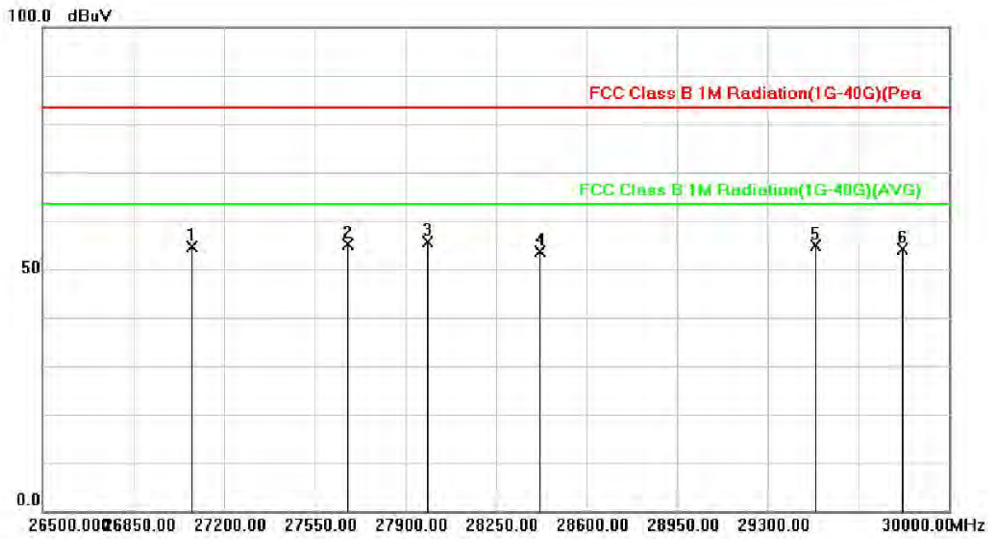
Operation Mode:	Config 2 MP3	Test Date:	Nov. 23, 2014
Tested By:	Eddy Cheng	Pol.:	Ver. and Hor.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		26878.000	59.62	-9.99	49.63	83.50	-33.87	peak	
2		27375.000	61.36	-10.68	50.68	83.50	-32.82	peak	
3	*	28215.000	62.19	-10.87	51.32	83.50	-32.18	peak	
4		28586.000	61.04	-10.65	50.39	83.50	-33.11	peak	
5		29342.000	62.09	-12.26	49.83	83.50	-33.67	peak	
6		29776.000	62.56	-12.27	50.29	83.50	-33.21	peak	

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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		27074.000	64.93	-10.23	54.70	83.50	-28.80	peak	
2		27676.000	66.19	-11.01	55.18	83.50	-28.32	peak	
3	*	27984.000	66.97	-11.28	55.69	83.50	-27.81	peak	
4		28418.000	63.99	-10.48	53.51	83.50	-29.99	peak	
5		29482.000	67.16	-12.27	54.89	83.50	-28.61	peak	
6		29818.000	66.33	-12.27	54.06	83.50	-29.44	peak	

** End of Report **

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