

5.1.6 Frequency Separation

RESULT:
Pass

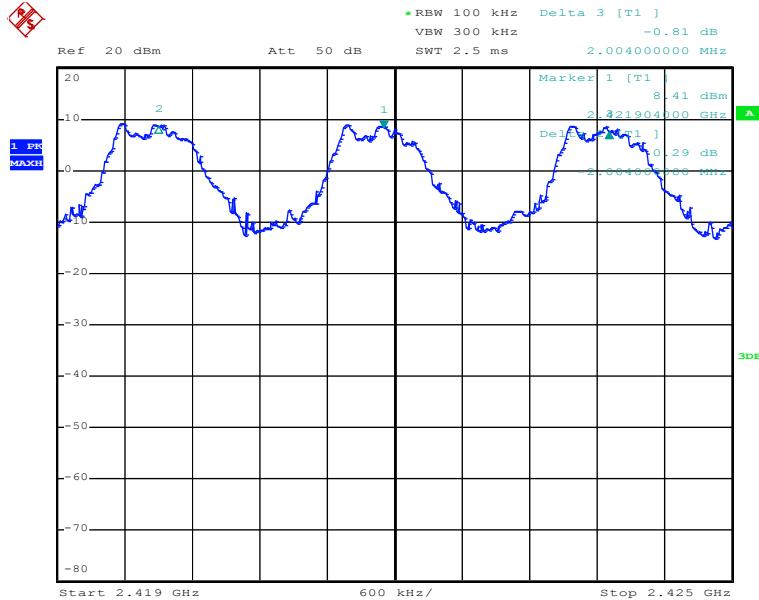
Date of testing	:	2012-05-18
Test standard	:	FCC part 15.247(a)(1) RSS-210 A8.1(b)
Basic standard	:	ANSI C63.4: 2009
Limit	:	$\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth, whichever is greater
Kind of test site	:	Shield room

Test setup

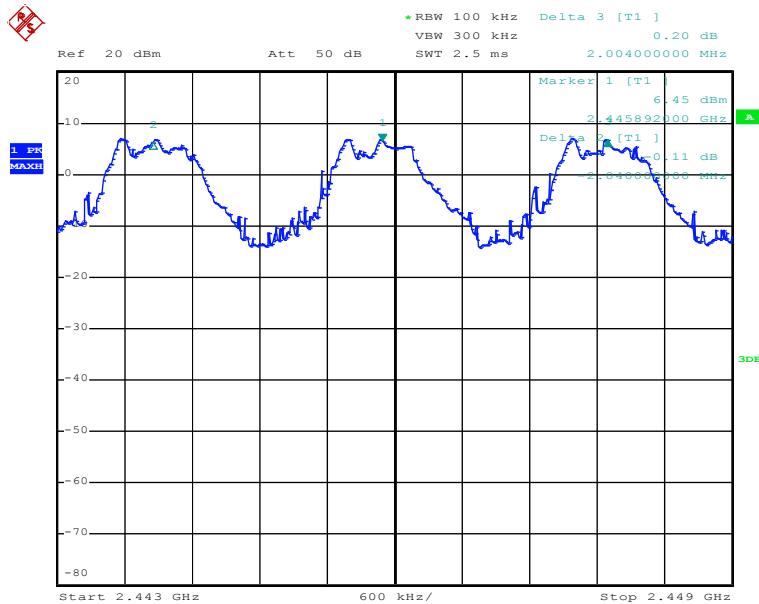
Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

Table 7: Test result of Frequency Separation

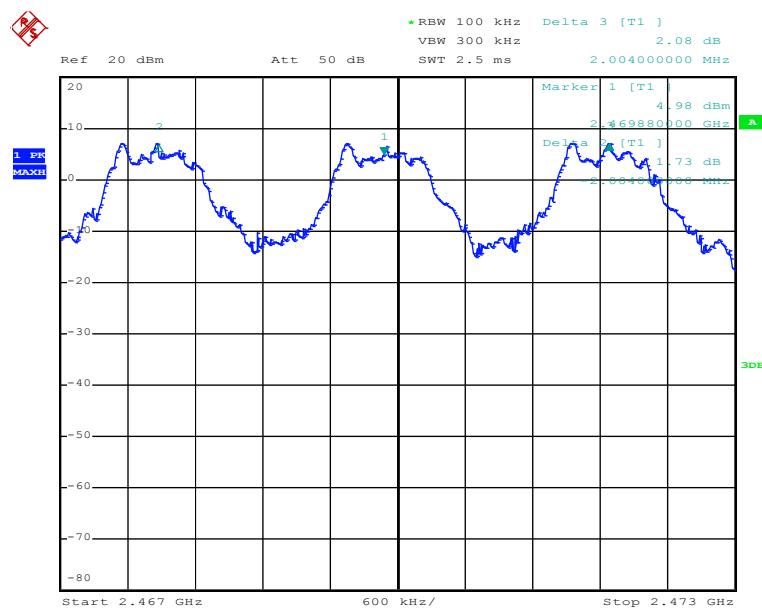
Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2420	2.004	$\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2422			
Mid Channel	2444	2.004	$\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2446			
High Channel	2470	2.004	$\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2472			

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Test Plot of Frequency Separation


Date: 18.MAY.2012 20:11:32



Date: 18.MAY.2012 20:36:15

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Date: 18.MAY.2012 20:55:53

5.1.7 Number of hopping frequency

RESULT:**Pass**

Date of testing	:	2012-05-18
Test standard	:	FCC part 15.247(a)(1)(iii) RSS-210 A8.1(d)
Basic standard	:	ANSI C63.4: 2009
Limits	:	≥ 15 non-overlapping channels
Kind of test site	:	Shield room

Test setup

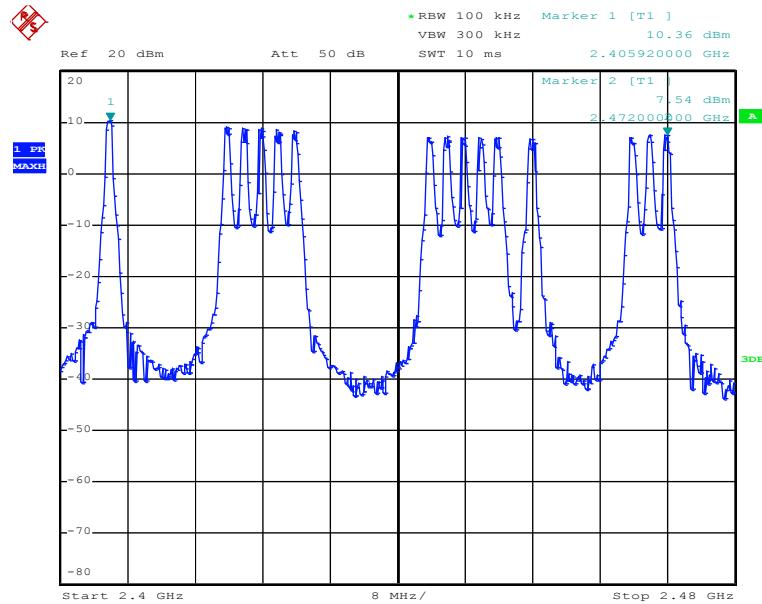
Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

Table 8: Test result of Number of hopping frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2406 to 2472MHz	15	≥15	Pass

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Test Plot of Number of hopping frequency



Date: 18.MAY.2012 19:07:35

5.1.8 Time of Occupancy

RESULT:
Pass

Date of testing	:	2012-05-19
Test standard	:	FCC part 15.247(a)(1)(iii) RSS-210 A8.1(d)
Basic standard	:	ANSI C63.4: 2009
Limits	:	0.4s
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

Table 9: Test result of Time of Occupancy

Channel	Pulse width (ms)	Measured Dwell time (s)	Limit (s)	Result
2406MHz	3.84	0.399	0.4	Pass
2444MHz	3.84	0.399	0.4	Pass
2472MHz	3.84	0.399	0.4	Pass

Note:

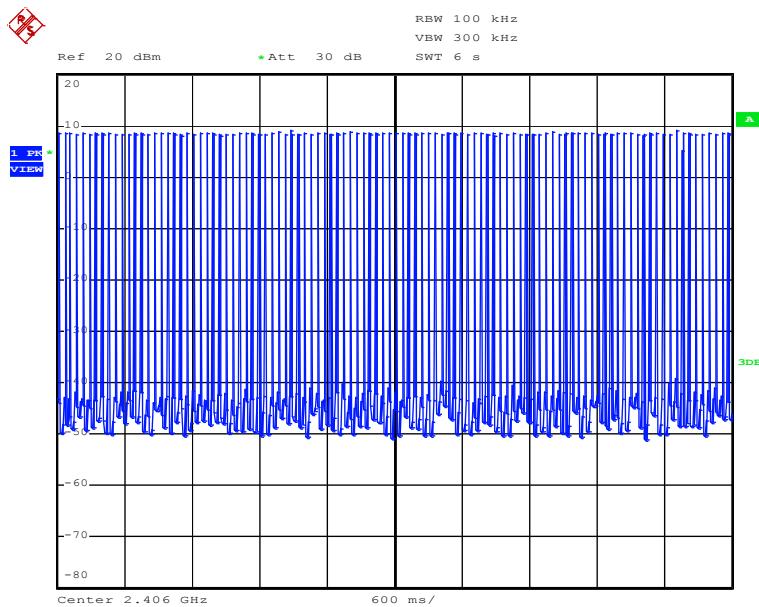
Dwell time = Pulse width x (Hopping rate / Number of channels) x Period

Period = 0.4 (seconds/ channel) x 15 (channel) = 6 seconds

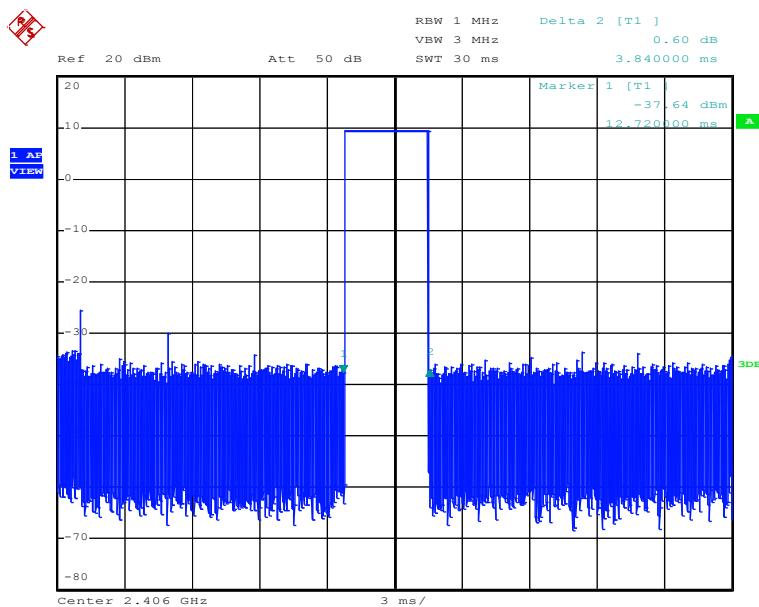
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Test Plot of Time of Occupancy

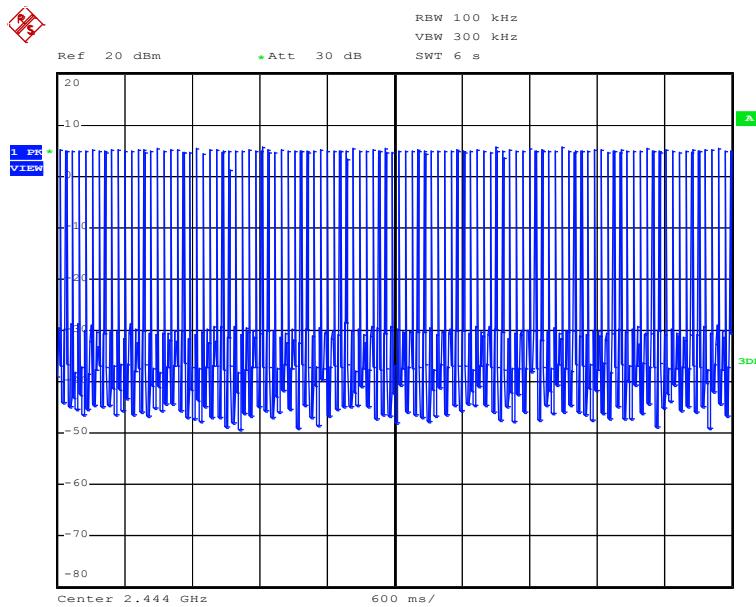
Low channel



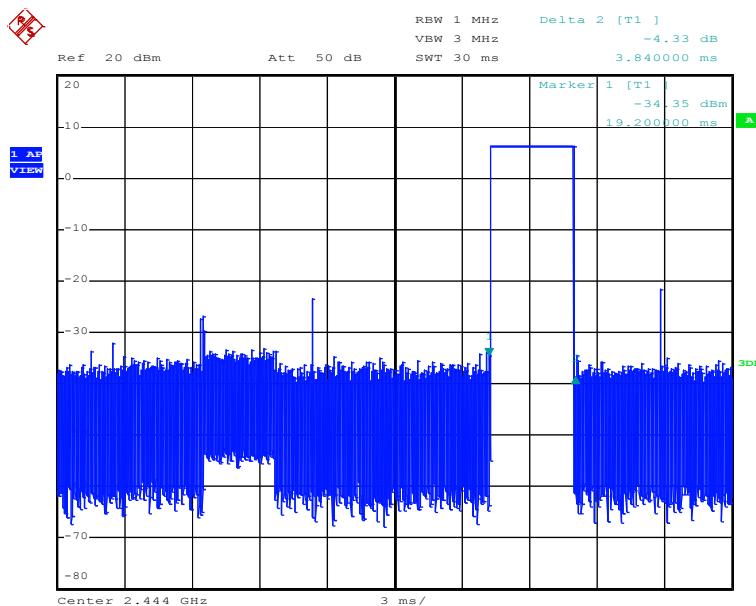
Date: 18.MAY.2012 21:51:24



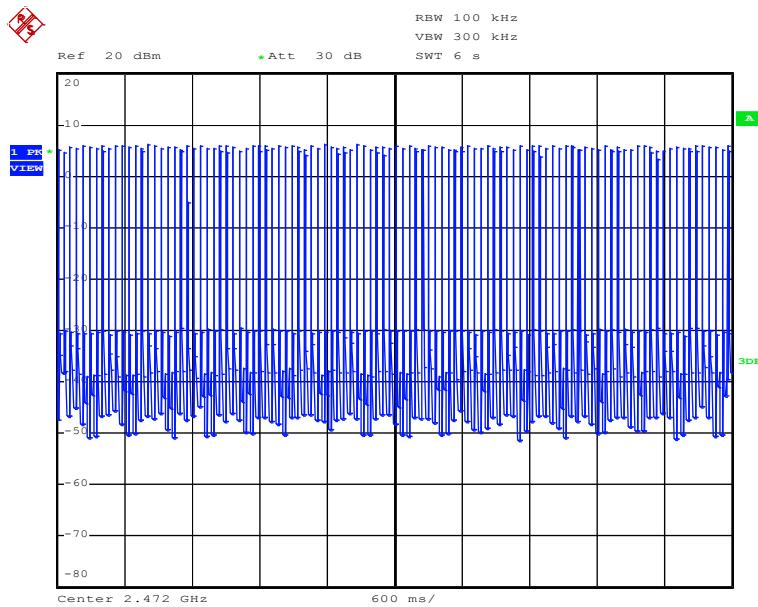
Date: 19.MAY.2012 23:18:17

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Middle channel


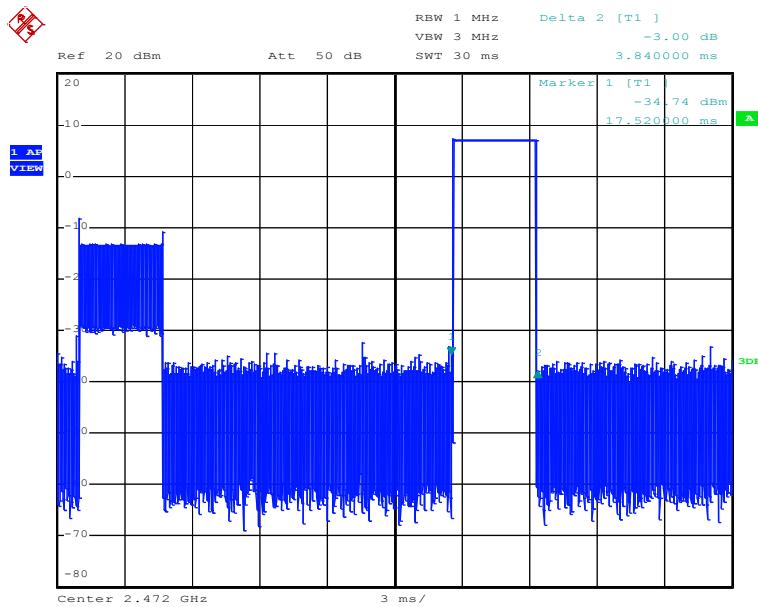
Date: 18.MAY.2012 21:38:31



Date: 19.MAY.2012 23:19:23

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High channel


Date: 18.MAY.2012 21:52:18



Date: 19.MAY.2012 23:20:20

5.1.9 Radiated emissions

RESULT:

Pass

Date of testing	:	2012-04-14
Test standard	:	FCC Part 15.109 ICES-003 Issue 4 February 2004
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	30 – 4000MHz
Limits	:	FCC Part 15.109(a) ICES-003 Issue 4 February 2004
Kind of test site	:	3m Semi-Anechoic Chamber

Test Setup

Input Voltage	:	DC 5V (via AC/DC Adaptor)
Operation Mode	:	B, C
Earthing	:	Not Connected
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

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Test Plot of Radiated emissions

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 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 966 chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: pei #7997

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2012/04/08

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 13:20:23

EUT: 2.4GHz Digital Wireless Stereo Headphones

Engineer Signature: PEI

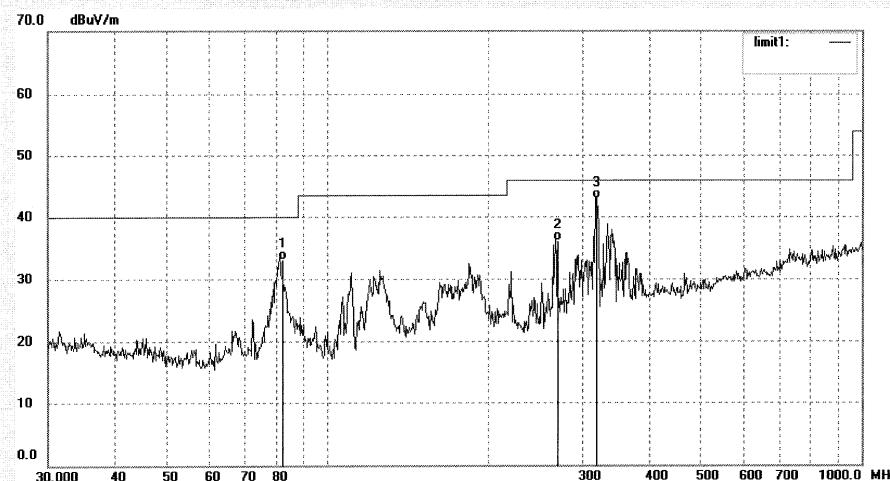
Mode: Line-in audio input

Distance: 3m

Model: RF-WHP212

Manufacturer: Shenzhen Horn Audio Co., Ltd.

Note: SPS:DBK



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	82.9371	19.58	13.52	33.10	40.00	-6.90	QP			
2	271.3460	17.86	18.21	36.07	46.00	-9.93	QP			
3	317.4250	23.64	19.26	42.90	46.00	-3.10	QP			

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 Site: 966 chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: pei #7998

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2012/04/08

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 13:34:33

EUT: 2.4GHz Digital Wireless Stereo Headphones

Engineer Signature: PEI

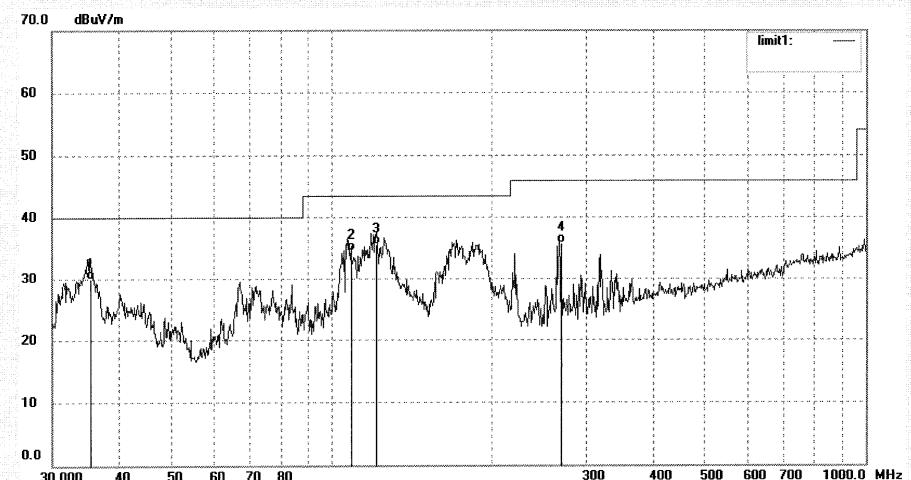
Mode: Line-in audio input

Distance: 3m

Model: RF-WHP212

Manufacturer: Shenzhen Horn Audio Co., Ltd.

Note: SPS:DBK



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	35.5854	13.43	16.65	30.08	40.00	-9.92	QP			
2	108.6552	20.43	14.13	34.56	43.50	-8.94	QP			
3	119.9646	20.86	14.67	35.53	43.50	-7.97	QP			
4	271.3585	17.50	18.21	35.71	46.00	-10.29	QP			

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #7996

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2012/04/08

Temp. (C)/Hum.(%) 24 C / 48 %

Time: 13:07:06

EUT: 2.4GHz Digital Wireless Stereo Headphones

Engineer Signature: PEI

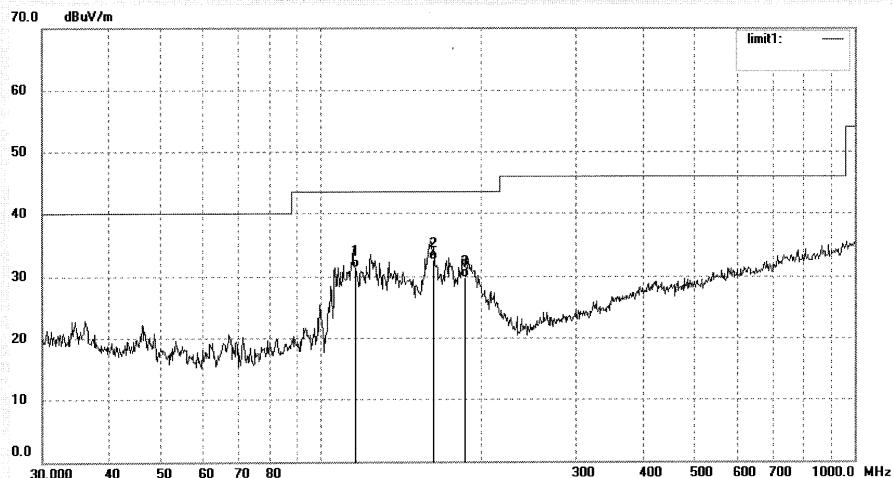
Mode: Charging

Distance: 3m

Model: RF-WHP212

Manufacturer: Shenzhen Horn Audio Co., Ltd.

Note: SPS:DBK



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	116.5540	16.95	14.41	31.36	43.50	-12.14	QP			
2	163.7359	17.98	14.64	32.62	43.50	-10.88	QP			
3	186.9513	13.85	16.04	29.89	43.50	-13.61	QP			

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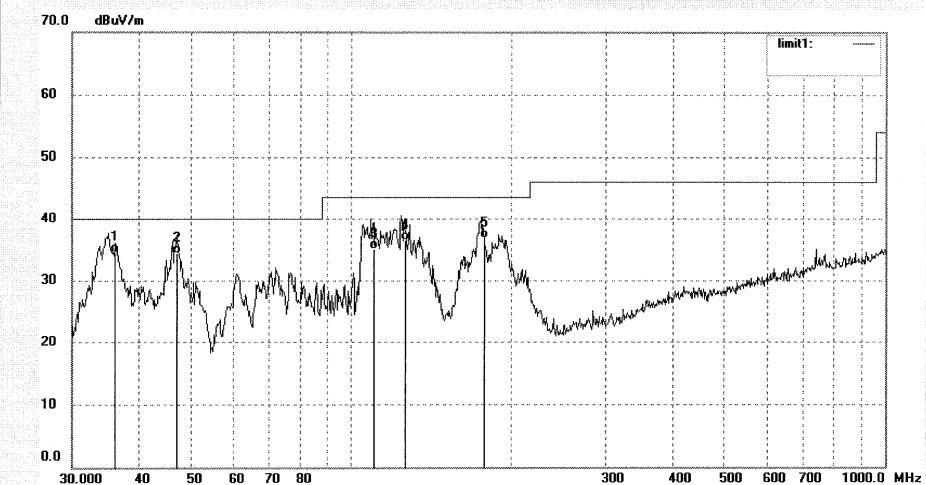
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #7995	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/04/08
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 12:54:59
EUT: 2.4GHz Digital Wireless Stereo Headphones	Engineer Signature: PEI
Mode: Charging	Distance: 3m
Model: RF-WHP212	
Manufacturer: Shenzhen Horn Audio Co., Ltd.	

Note: SPS:DBK



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.0379	18.02	16.62	34.64	40.00	-5.36	QP			
2	47.4170	19.19	15.22	34.41	40.00	-5.59	QP			
3	110.3018	21.08	14.02	35.10	43.50	-8.40	QP			
4	127.1060	21.50	15.00	36.50	43.50	-7.00	QP			
5	178.5572	21.12	15.77	36.89	43.50	-6.61	QP			

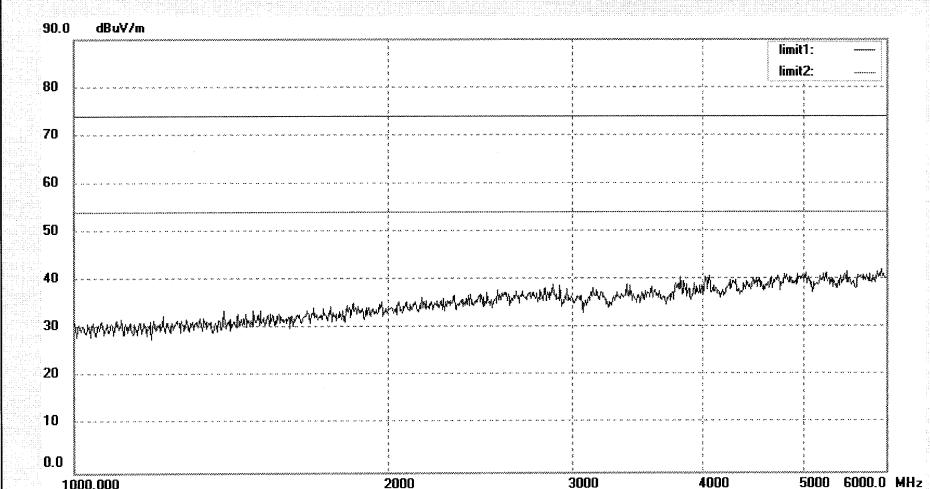
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Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #7999	Polarization: Horizontal
Standard: FCC 15B above1GHz	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/04/08
Temp. (C)/Hum.(%) 24 C / 48 %	Time: 13:44:20
EUT: 2.4GHz Digital Wireless Stereo Headphones	Engineer Signature: PEI
Mode: Line-in audio input	Distance: 3m
Model: RF-WHP212	
Manufacturer: Shenzhen Horn Audio Co., Ltd.	
Note: SPS:DBK	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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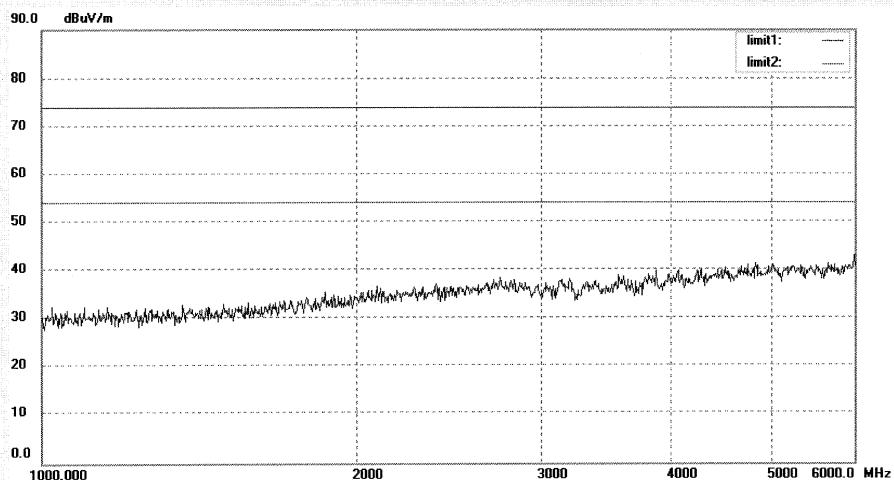
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #8000
Standard: FCC 15B above1GHz
Test item: Radiation Test
Temp. (C)/Hum.(%) 24 C / 48 %
EUT: 2.4GHz Digital Wireless Stereo Headphones
Mode: Line-in audio input
Model: RF-WHP212
Manufacturer: Shenzhen Horn Audio Co., Ltd.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2012/04/08
Time: 13:53:41
Engineer Signature: PEI
Distance: 3m

Note: SPS:DBK



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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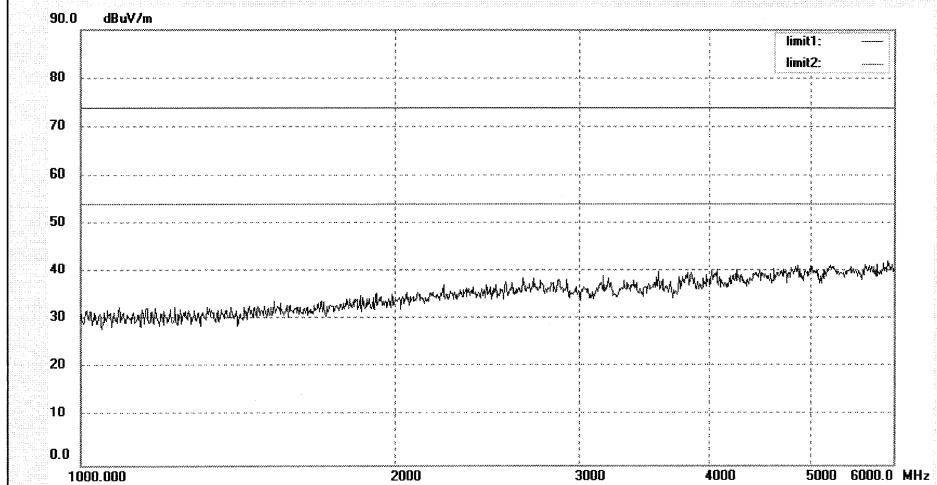
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 Site: 966 chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.:	pei #8002	Polarization:	Horizontal
Standard:	FCC 15B above1GHz	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2012/04/08
Temp. (C)/Hum.(%)	24 C / 48 %	Time:	14:08:05
EUT:	2.4GHz Digital Wireless Stereo Headphones	Engineer Signature:	PEI
Mode:	Charging	Distance:	3m
Model:	RF-WHP212		
Manufacturer:	Shenzhen Horn Audio Co., Ltd.		
Note:	SPS:DBK		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1000.000	30	-10	30	40	10	PEI	3	0	

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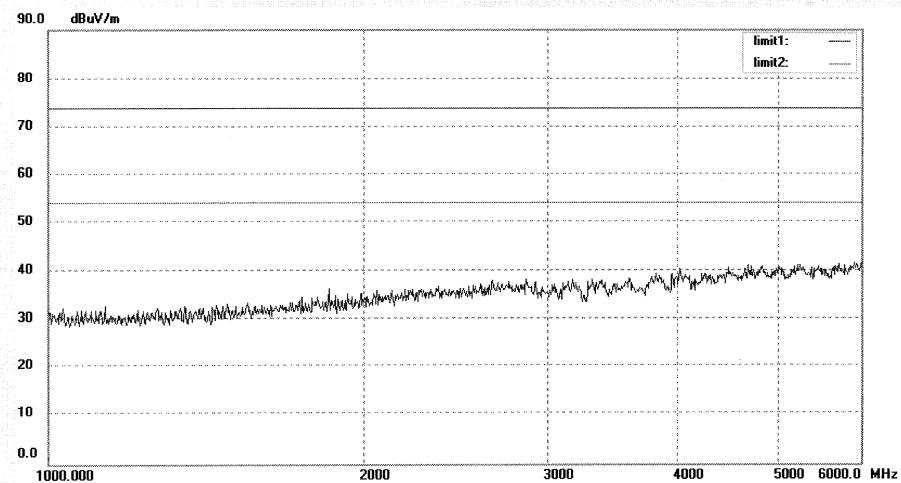
ACCURATE TECHNOLOGY CO., LTD.

 F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 966 chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: pei #8001	Polarization: Vertical
Standard: FCC 15B above1GHz	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/04/08
Temp. (C)/Hum.(%) 24 C / 48 %	Time: 13:59:35
EUT: 2.4GHz Digital Wireless Stereo Headphones	Engineer Signature: PEI
Mode: Charging	Distance: 3m
Model: RF-WHP212	
Manufacturer: Shenzhen Horn Audio Co., Ltd.	

Note: SPS:DBK



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

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Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #8117

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 12/04/14/

Temp. (C)/Hum.(%) 24 C / 48 %

Time: 8/56/58

EUT: 2.4GHz Digital Wireless Stereo Headphones

Engineer Signature: PEI

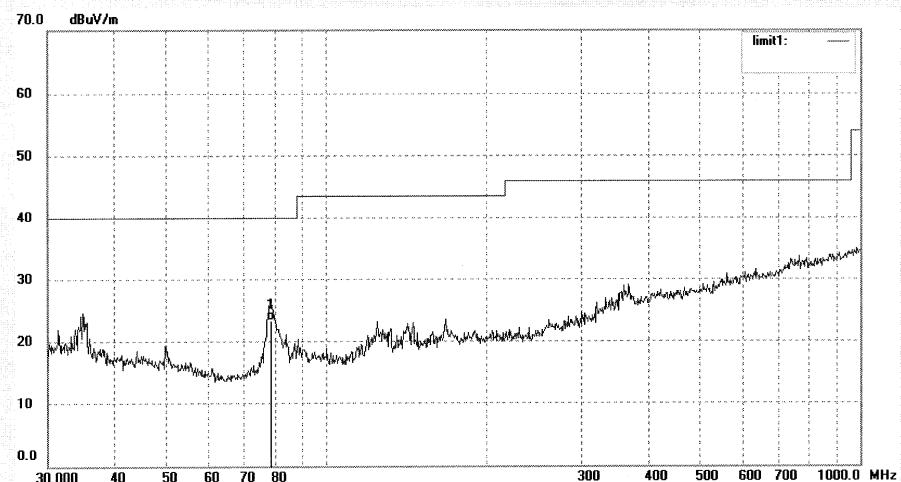
Mode: Line-in audio input

Distance: 3m

Model: RF-WHP212

Manufacturer: Shenzhen Horn Audio Co., Ltd.

Note: SPS:SIL



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	78.8410	10.12	13.17	23.29	40.00	-16.71	QP			

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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #8116

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 12/04/14/

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 8/48/10

EUT: 2.4GHz Digital Wireless Stereo Headphones

Engineer Signature: PEI

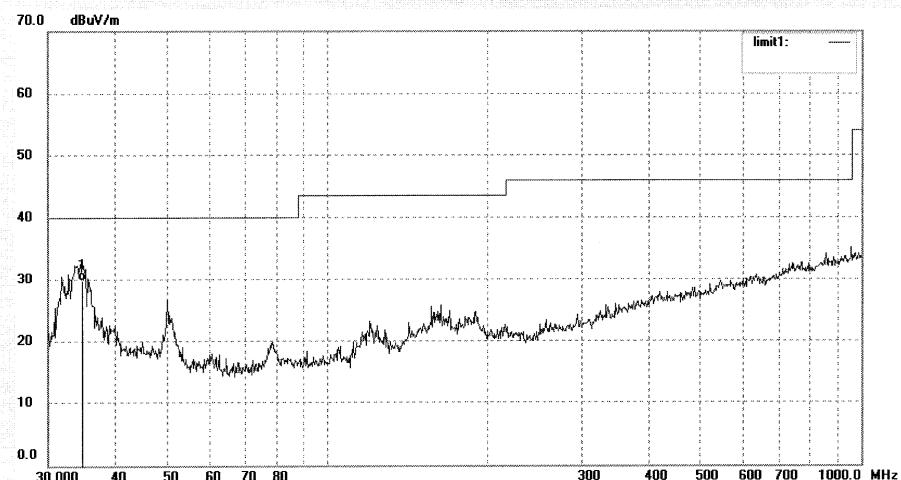
Mode: Line-in audio input

Distance: 3m

Model: RF-WHP212

Manufacturer: Shenzhen Horn Audio Co., Ltd.

Note: SPS:SIL



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.4904	13.02	16.80	29.82	40.00	-10.18	QP			

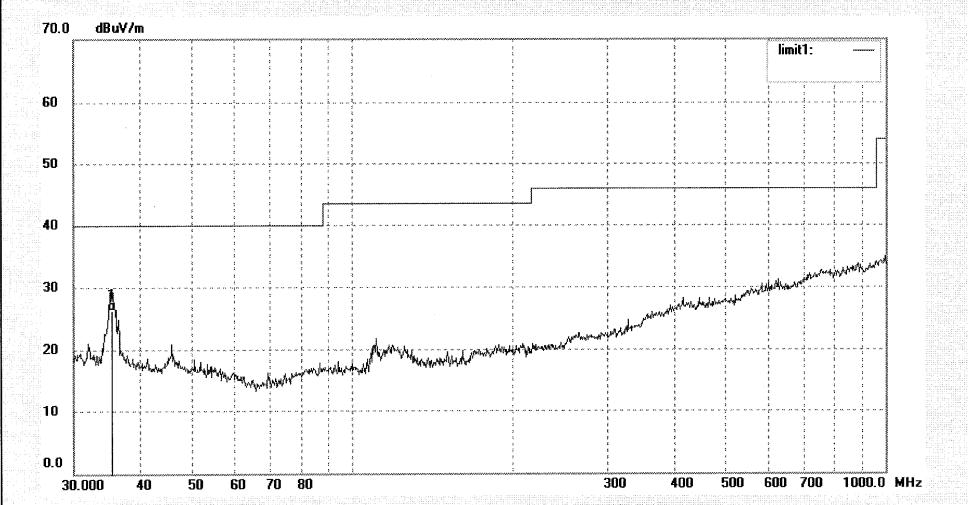
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 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 966 chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: pei #8114	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/04/14/
Temp. (C)/Hum.(%) 24 C / 48 %	Time: 8/31/47
EUT: 2.4GHz Digital Wireless Stereo Headphones	Engineer Signature: PEI
Mode: Charging	Distance: 3m
Model: RF-WHP212	
Manufacturer: Shenzhen Horn Audio Co., Ltd.	
Note: SPS:SIL	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	35.3867	10.81	15.60	26.41	40.00	-13.59	QP			

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 Site: 966 chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: pei #8115

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 12/04/14/

Temp. (C)/Hum.(%) 24 C / 48 %

Time: 8/39/31

EUT: 2.4GHz Digital Wireless Stereo Headphones

Engineer Signature: PEI

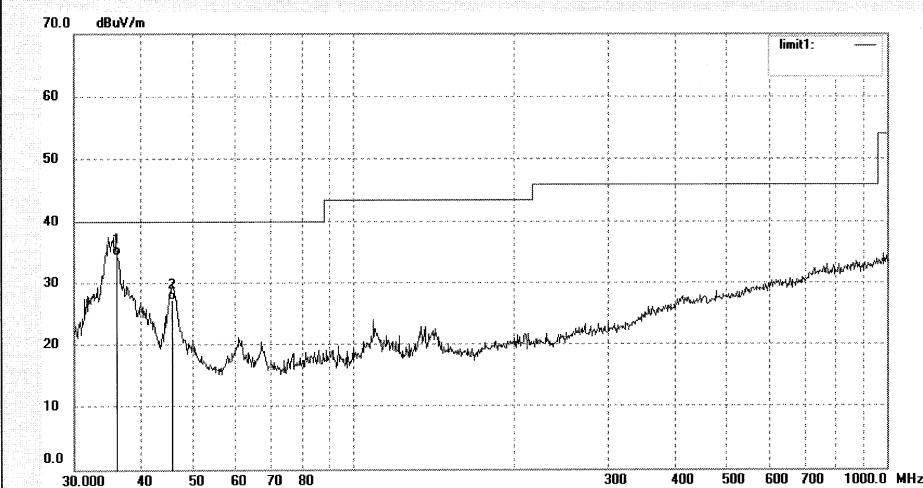
Mode: Charging

Distance: 3m

Model: RF-WHP212

Manufacturer: Shenzhen Horn Audio Co., Ltd.

Note: SPS:SIL



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.1968	17.89	16.61	34.50	40.00	-5.50	QP			
2	46.0615	11.60	15.63	27.23	40.00	-12.77	QP			

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #8119

Polarization: Horizontal

Standard: FCC 15B above1GHz

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 12/04/14/

Temp. (C)/Hum.(%) 24 C / 48 %

Time: 9/14/48

EUT: 2.4GHz Digital Wireless Stereo Headphones

Engineer Signature: PEI

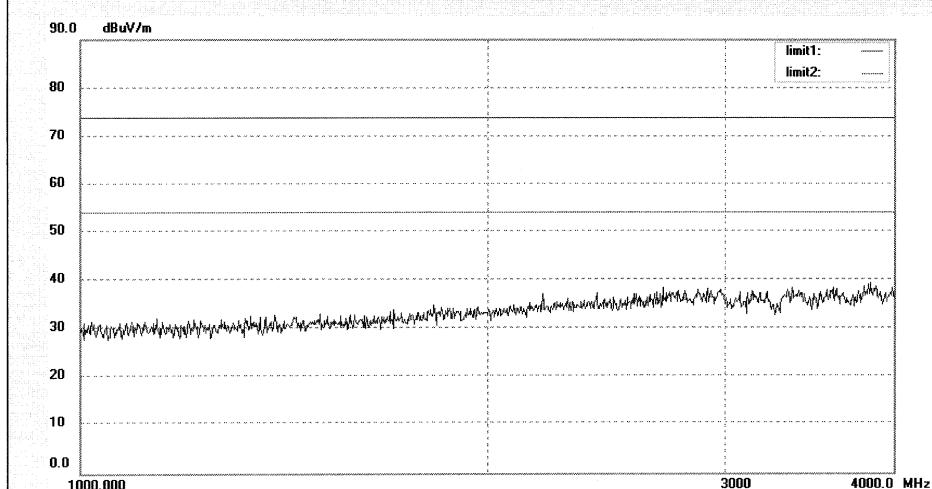
Mode: Line-in audio input

Distance: 3m

Model: RF-WHP212

Manufacturer: Shenzhen Horn Audio Co., Ltd.

Note: SPS:SIL



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 966 chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: pei #8118

Polarization: Vertical

Standard: FCC 15B above1GHz

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 12/04/14/

Temp. (C)/Hum.(%) 24 C / 48 %

Time: 9/08/06

EUT: 2.4GHz Digital Wireless Stereo Headphones

Engineer Signature: PEI

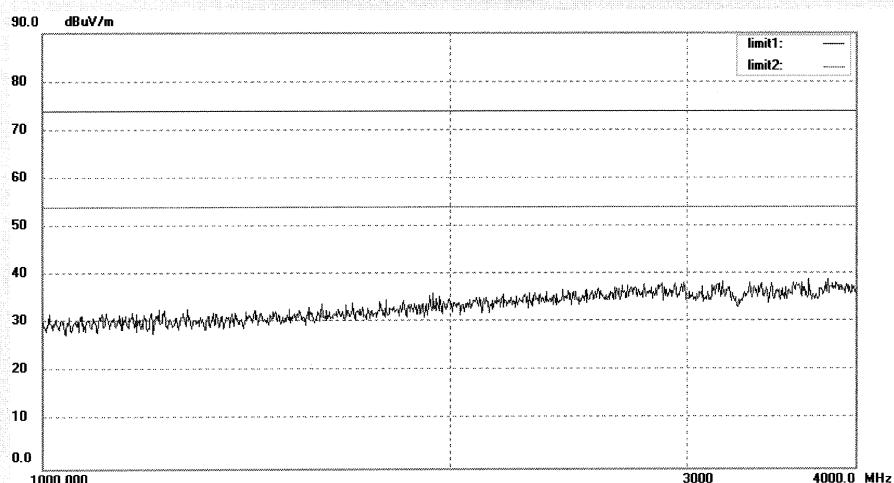
Mode: Line-in audio input

Distance: 3m

Model: RF-WHP212

Manufacturer: Shenzhen Horn Audio Co., Ltd.

Note: SPS:SIL



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

 F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 966 chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: pei #8120

Polarization: Horizontal

Standard: FCC 15B above1GHz

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 12/04/14/

Temp. (C)/Hum.(%) 24 C / 48 %

Time: 9/21/50

EUT: 2.4GHz Digital Wireless Stereo Headphones

Engineer Signature: PEI

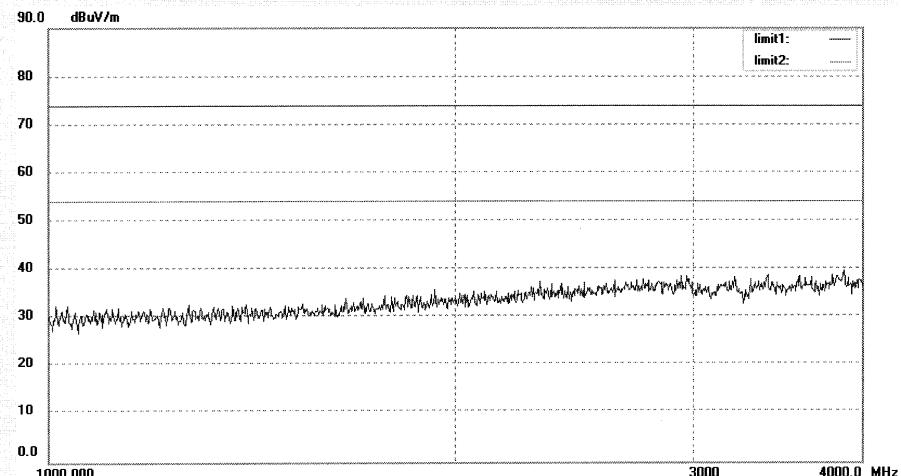
Mode: Charging

Distance: 3m

Model: RF-WHP212

Manufacturer: Shenzhen Horn Audio Co., Ltd.

Note: SPS:SIL



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 966 chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: pei #8121

Polarization: Vertical

Standard: FCC 15B above1GHz

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 12/04/14/

Temp. (C)/Hum.(%) 24 C / 48 %

Time: 9/30/35

EUT: 2.4GHz Digital Wireless Stereo Headphones

Engineer Signature: PEI

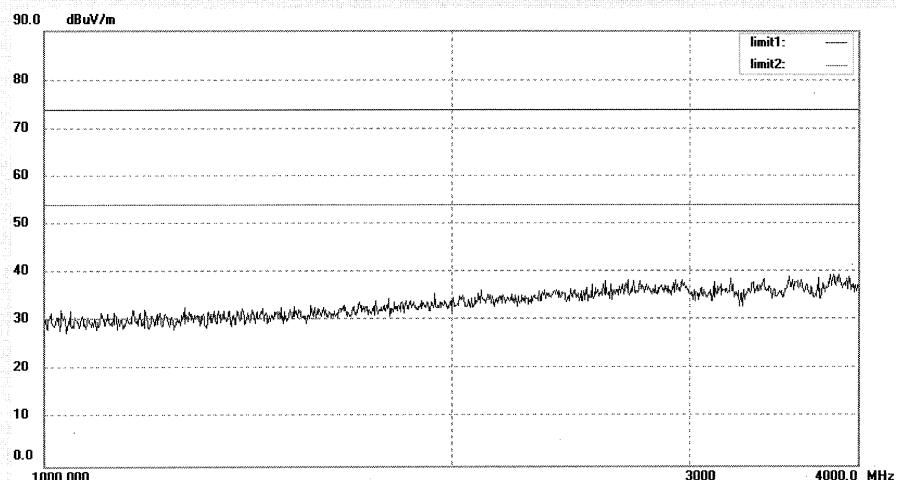
Mode: Charging

Distance: 3m

Model: RF-WHP212

Manufacturer: Shenzhen Horn Audio Co., Ltd.

Note: SPS:SIL



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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5.1.10 Conducted emissions

RESULT:**Pass**

Date of testing	:	2012-04-14
Test standard	:	FCC Part 15.107 (a) FCC Part 15.207 RSS-210 Clause 2.6
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.107(a) FCC Part 15.207 Table 4 of RSS-Gen
Kind of test site	:	Shield room

Test setup

Input Voltage	:	DC 5V (via AC/DC Adaptor)
Operation Mode	:	A, B, C
Earthing	:	Not Connected
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

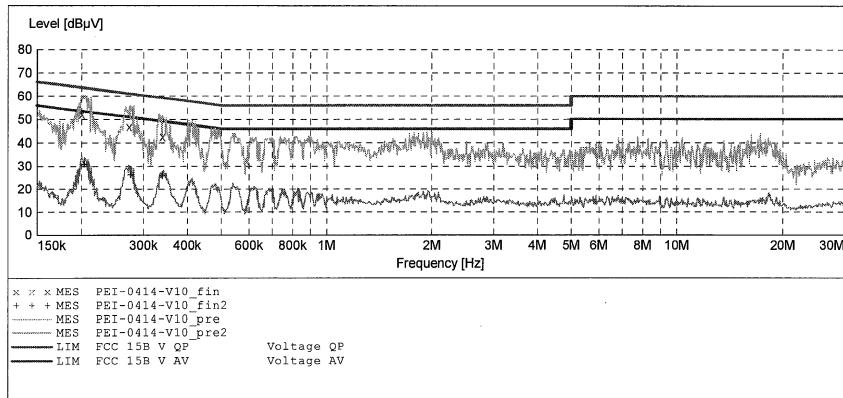
For details refer to following test plot.

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Test Plot of Conducted emissions
ACCURATE TECHNOLOGY CO., LTD
CONDUCTED EMISSION STANDARD FCC PART 15

EUT: 2.4GHz Digital Wireless Stereo Headphones M/N:RF-WHP212
 Manufacturer: Shenzhen Horn Audio Co., Ltd.
 Operating Condition: On with TX
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: L 120V/60Hz
 Comment: Mains port
 SPS:DBK

SCAN TABLE: "V 150K-30MHz fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF Time	Transducer Bandw.
150.0 kHz	30.0 MHz	0.8 %	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008
						Average


MEASUREMENT RESULT: "PEI-0414-V10_fin"

4/14/2012 2:54PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.200748	52.20	11.2	64	11.4	QP	L1	GND
	0.272991	46.90	11.5	61	14.1	QP	L1	GND
	0.340018	42.50	11.7	59	16.7	QP	L1	GND

MEASUREMENT RESULT: "PEI-0414-V10_fin2"

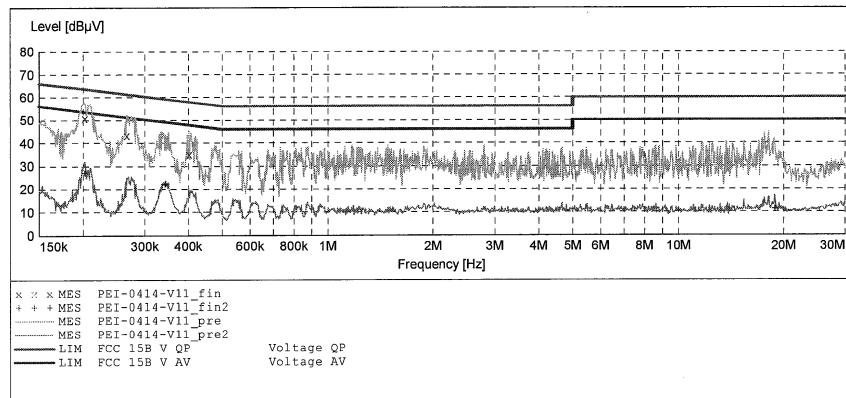
4/14/2012 2:54PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.203980	30.60	11.3	53	22.8	AV	L1	GND
	0.276280	26.10	11.5	51	24.8	AV	L1	GND
	0.340018	25.60	11.7	49	23.6	AV	L1	GND

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ACCURATE TECHNOLOGY CO., LTD
CONDUCTED EMISSION STANDARD FCC PART 15

EUT: 2.4GHz Digital Wireless Stereo Headphones M/N:RF-WHP212
 Manufacturer: Shenzhen Horn Audio Co., Ltd.
 Operating Condition: On with TX
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: N 120V/60Hz
 Comment: Mains port
 SPS:DBK

SCAN TABLE: "V 150K-30MHz fin"

Short Description: SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average


MEASUREMENT RESULT: "PEI-0414-V11_fin"

4/14/2012 2:58PM

Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dB μ V	dB	dB μ V	dB			
0.202358	50.90	11.2	64	12.6	QP	N	GND
0.266530	43.30	11.5	61	17.9	QP	N	GND
0.402085	34.90	11.8	58	22.9	QP	N	GND

MEASUREMENT RESULT: "PEI-0414-V11_fin2"

4/14/2012 2:58PM

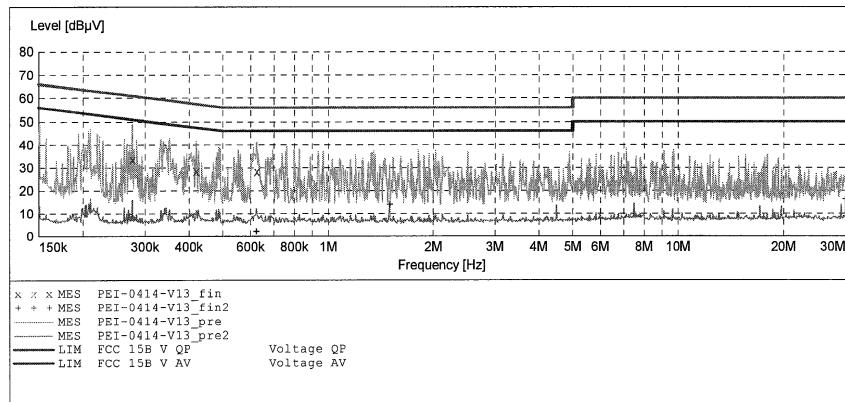
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dB μ V	dB	dB μ V	dB			
0.202358	26.80	11.2	54	26.7	AV	N	GND
0.344115	21.80	11.7	49	27.3	AV	N	GND
18.863291	11.10	11.1	50	38.9	AV	N	GND

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ACCURATE TECHNOLOGY CO., LTD
CONDUCTED EMISSION STANDARD FCC PART 15

EUT: 2.4GHz Digital Wireless Stereo Headphones M/N:RF-WHP212
 Manufacturer: Shenzhen Horn Audio Co., Ltd.
 Operating Condition: Line-in audio input
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: L 120V/60Hz
 Comment: Mains port
 SPS:DBK

SCAN TABLE: "V 150K-30MHz fin"

Short Description: SUB STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw. 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average


MEASUREMENT RESULT: "PEI-0414-V13_fin"

4/14/2012 3:06PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.276280	33.60	11.5	61	27.3	QP	L1	GND
	0.420135	28.50	11.9	57	28.9	QP	L1	GND
	0.626268	28.30	11.9	56	27.7	QP	L1	GND

MEASUREMENT RESULT: "PEI-0414-V13_fin2"

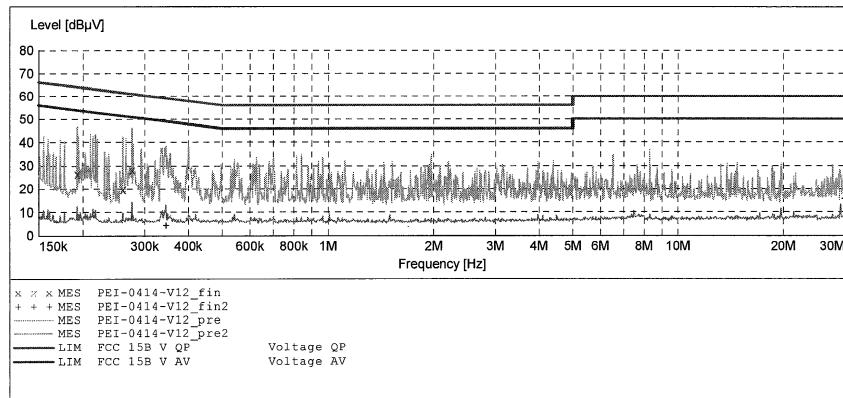
4/14/2012 3:06PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.623773	2.10	11.9	46	43.9	AV	L1	GND
	1.501217	13.80	11.7	46	32.2	AV	L1	GND
	30.000000	16.20	11.0	50	33.8	AV	L1	GND

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ACCURATE TECHNOLOGY CO., LTD
CONDUCTED EMISSION STANDARD FCC PART 15

EUT: 2.4GHz Digital Wireless Stereo Headphones M/N:RF-WHP212
 Manufacturer: Shenzhen Horn Audio Co., Ltd.
 Operating Condition: Line-in audio input
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: N 120V/60Hz
 Comment: Mains port
 SPS:DBK

SCAN TABLE: "V 150K-30MHz fin"

Short Description: SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average


MEASUREMENT RESULT: "PEI-0414-V12_fin"

4/14/2012 3:03PM							
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dB μ V	dB	dB μ V	dB			
0.192892	26.30	11.2	64	37.6	QP	N	GND
0.260222	19.70	11.5	61	41.7	QP	N	GND
0.276280	28.10	11.5	61	32.8	QP	N	GND

MEASUREMENT RESULT: "PEI-0414-V12_fin2"

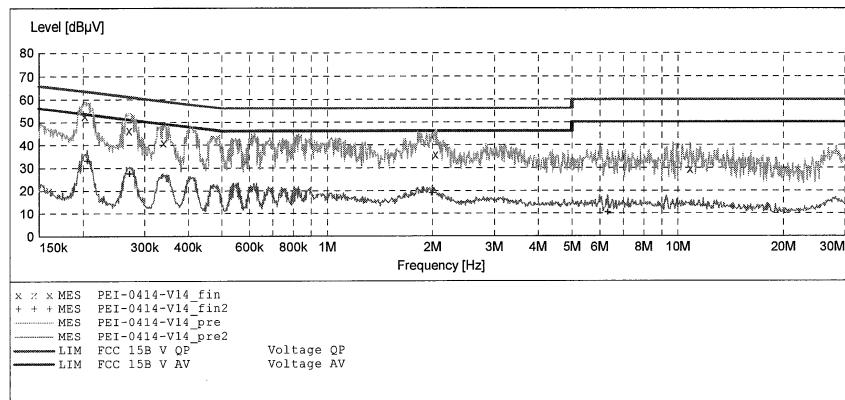
4/14/2012 3:03PM							
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dB μ V	dB	dB μ V	dB			
0.345491	4.20	11.7	49	44.9	AV	N	GND
1.011128	-1.60	11.8	46	47.6	AV	N	GND
30.000000	15.80	11.0	50	34.2	AV	N	GND

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ACCURATE TECHNOLOGY CO., LTD
CONDUCTED EMISSION STANDARD FCC PART 15

EUT: 2.4GHz Digital Wireless Stereo Headphones M/N:RF-WHP212
 Manufacturer: Shenzhen Horn Audio Co., Ltd.
 Operating Condition: Charging
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: L 120V/60Hz
 Comment: Mains port
 SPS:DBK

SCAN TABLE: "V 150K-30MHz fin"

Short Description: -SUB STD_VTERM2 1.70
 Start Stop Step -Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average


MEASUREMENT RESULT: "PEI-0414-V14_fin"

4/14/2012 3:11PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.202358	52.60	11.2	64	10.9	QP	L1	GND
	0.270820	46.30	11.5	61	14.8	QP	L1	GND
	0.340018	40.90	11.7	59	18.3	QP	L1	GND
	2.041453	35.70	11.7	56	20.3	QP	L1	GND
	10.830073	29.50	11.2	60	30.5	QP	L1	GND

MEASUREMENT RESULT: "PEI-0414-V14_fin2"

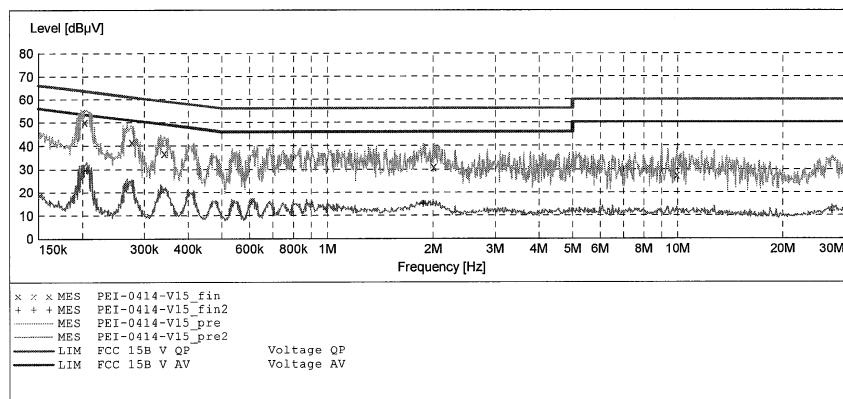
4/14/2012 3:11PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.205615	33.00	11.3	53	20.4	AV	L1	GND
	0.271903	27.50	11.5	51	23.6	AV	L1	GND
	2.001110	18.80	11.7	46	27.2	AV	L1	GND
	6.318008	10.40	11.4	50	39.6	AV	L1	GND

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CONDUCTED EMISSION STANDARD FCC PART 15

EUT: 2.4GHz Digital Wireless Stereo Headphones M/N:RF-WHP212
 Manufacturer: Shenzhen Horn Audio Co., Ltd.
 Operating Condition: Charging
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: N 120V/60Hz
 Comment: Mains port
 SPS:DBK

SCAN TABLE: "V 150K-30MHz fin"

Short Description: SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average


MEASUREMENT RESULT: "PEI-0414-V15_fin"

4/14/2012 3:14PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.203167	50.00	11.3	64	13.5	QP	N	GND
	0.276280	41.60	11.5	61	19.3	QP	N	GND
	0.342744	36.70	11.7	59	22.4	QP	N	GND
	2.009114	30.70	11.7	56	25.3	QP	N	GND
	9.959176	27.20	11.3	60	32.8	QP	N	GND

MEASUREMENT RESULT: "PEI-0414-V15_fin2"

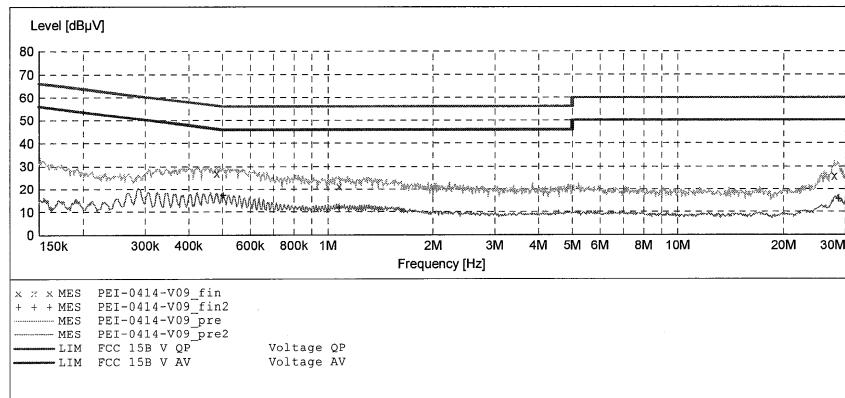
4/14/2012 3:14PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.205615	29.50	11.3	53	23.9	AV	N	GND
	1.877290	14.90	11.7	46	31.1	AV	N	GND
	27.672851	11.70	11.0	50	38.3	AV	N	GND

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CONDUCTED EMISSION STANDARD FCC PART 15

EUT: 2.4GHz Digital Wireless Stereo Headphones M/N:RF-WHP212
 Manufacturer: Shenzhen Horn Audio Co., Ltd.
 Operating Condition: On with TX
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: L 120V/60Hz
 Comment: Mains port
 SPS:SIL

SCAN TABLE: "V 150K-30MHz fin"

Short Description: -SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average


MEASUREMENT RESULT: "PEI-0414-V09_fin"

4/14/2012 2:49PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.481211	26.80	12.0	56	29.5	QP	L1	GND
	1.077818	21.30	11.8	56	34.7	QP	L1	GND
	27.894676	25.60	11.0	60	34.4	QP	L1	GND

MEASUREMENT RESULT: "PEI-0414-V09_fin2"

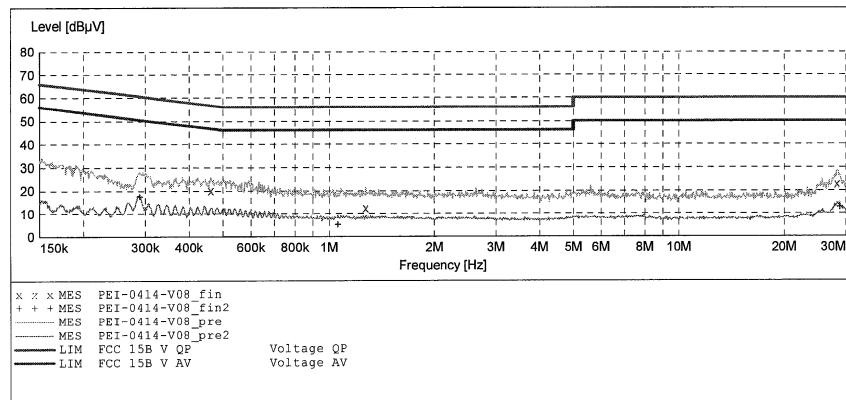
4/14/2012 2:49PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.502813	17.10	12.0	46	28.9	AV	L1	GND
	1.077818	11.50	11.8	46	34.5	AV	L1	GND
	28.685163	15.50	11.0	50	34.5	AV	L1	GND

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CONDUCTED EMISSION STANDARD FCC PART 15

EUT: 2.4GHz Digital Wireless Stereo Headphones M/N:RF-WHP212
 Manufacturer: Shenzhen Horn Audio Co., Ltd.
 Operating Condition: On with TX
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: N 120V/60Hz
 Comment: Mains port
 SPS:SIL

SCAN TABLE: "V 150K-30MHz fin"

Short Description: SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average


MEASUREMENT RESULT: "PEI-0414-V08_fin"

4/14/2012 2:47PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.462379	20.10	11.9	57	36.5	QP	N	GND
	1.274563	12.30	11.8	56	43.7	QP	N	GND
	28.343676	22.70	11.0	60	37.3	QP	N	GND

MEASUREMENT RESULT: "PEI-0414-V08_fin2"

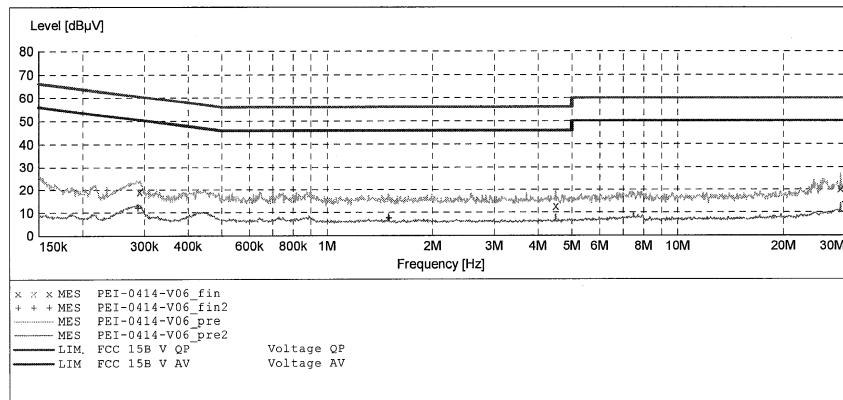
4/14/2012 2:47PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.289837	17.40	11.5	51	33.1	AV	N	GND
	1.060744	5.20	11.8	46	40.8	AV	N	GND
	28.799903	12.60	11.0	50	37.4	AV	N	GND

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CONDUCTED EMISSION STANDARD FCC PART 15

EUT: 2.4GHz Digital Wireless Stereo Headphones M/N:RF-WHP212
 Manufacturer: Shenzhen Horn Audio Co., Ltd.
 Operating Condition: Line-in audio input
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: L 120V/60Hz
 Comment: Mains port
 SPS:SIL

SCAN TABLE: "V 150K-30MHz fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF	Transducer
150.0 kHz	30.0 MHz	0.8 %	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008
						Average


MEASUREMENT RESULT: "PEI-0414-V06_fin"

4/14/2012 2:39PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.290996	19.00	11.6	61	41.5	QP	L1	GND
	4.500021	12.70	11.5	56	43.3	QP	L1	GND
	29.146886	20.20	11.0	60	39.8	QP	L1	GND

MEASUREMENT RESULT: "PEI-0414-V06_fin2"

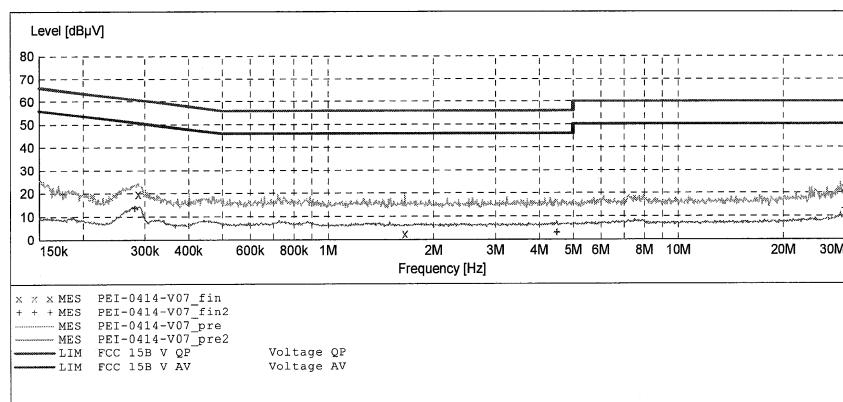
4/14/2012 2:39PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.287532	12.00	11.5	51	38.6	AV	L1	GND
	1.501217	7.60	11.7	46	38.4	AV	L1	GND
	30.000000	14.30	11.0	50	35.7	AV	L1	GND

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ACCURATE TECHNOLOGY CO., LTD
CONDUCTED EMISSION STANDARD FCC PART 15

EUT: 2.4GHz Digital Wireless Stereo Headphones M/N:RF-WHP212
 Manufacturer: Shenzhen Horn Audio Co., Ltd.
 Operating Condition: Line-in audio input
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: N 120V/60Hz
 Comment: Mains port
 SPS:SIL

SCAN TABLE: "V 150K-30MHz fin"

Short Description: SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average


MEASUREMENT RESULT: "PEI-0414-V07_fin"

4/14/2012 2:41PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.287532	19.70	11.5	61	40.9	QP	N	GND
	1.658771	2.50	11.7	56	53.5	QP	N	GND
	30.000000	22.00	11.0	60	38.0	QP	N	GND

MEASUREMENT RESULT: "PEI-0414-V07_fin2"

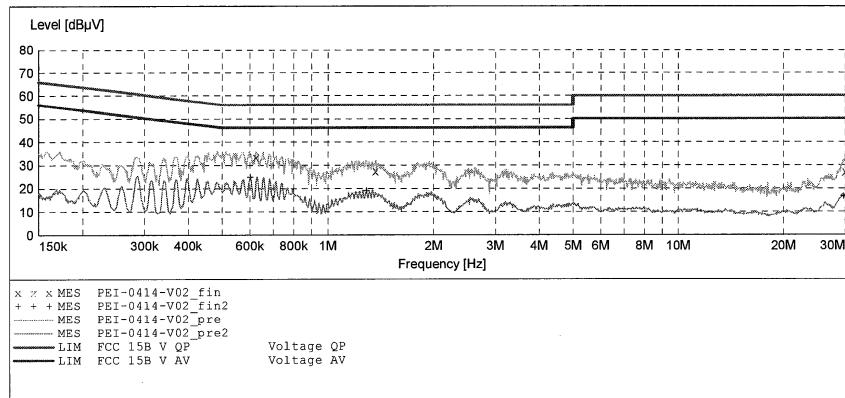
4/14/2012 2:41PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.280727	13.30	11.5	51	37.5	AV	N	GND
	4.500021	2.90	11.5	46	43.1	AV	N	GND
	30.000000	13.00	11.0	50	37.0	AV	N	GND

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ACCURATE TECHNOLOGY CO., LTD
CONDUCTED EMISSION STANDARD FCC PART 15

EUT: 2.4GHz Digital Wireless Stereo Headphones M/N:RF-WHP212
 Manufacturer: Shenzhen Horn Audio Co., Ltd.
 Operating Condition: Charging
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: L 120V/60Hz
 Comment: Mains port
 SPS:SIL

SCAN TABLE: "V 150K-30MHz fin"

Short Description: SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average


MEASUREMENT RESULT: "PEI-0414-V02_fin"

4/14/2012 2:23PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.626268	33.40	11.9	56	22.6	QP	L1	GND
	1.369519	27.50	11.8	56	28.5	QP	L1	GND
	29.972858	27.00	11.0	60	33.0	QP	L1	GND

MEASUREMENT RESULT: "PEI-0414-V02_fin2"

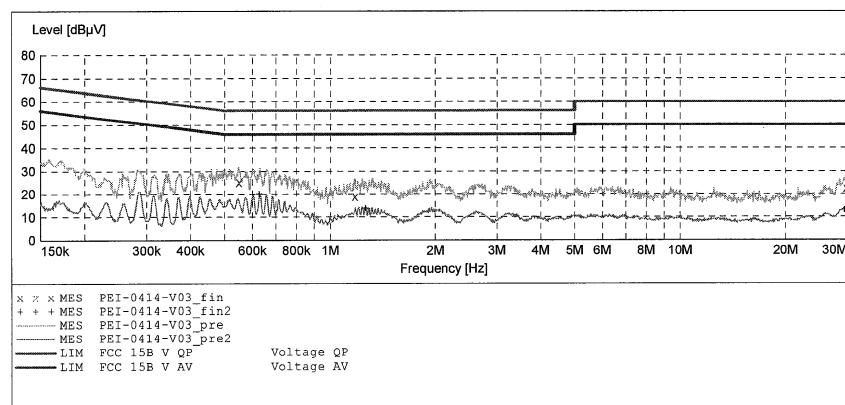
4/14/2012 2:23PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.601760	24.60	12.0	46	21.4	AV	L1	GND
	1.289919	19.00	11.8	46	27.0	AV	L1	GND
	29.734506	16.30	11.0	50	33.7	AV	L1	GND

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ACCURATE TECHNOLOGY CO., LTD
CONDUCTED EMISSION STANDARD FCC PART 15

EUT: 2.4GHz Digital Wireless Stereo Headphones M/N:RF-WHP212
 Manufacturer: Shenzhen Horn Audio Co., Ltd.
 Operating Condition: Charging
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: N 120V/60Hz
 Comment: Mains port
 SPS:SIL

SCAN TABLE: "V 150K-30MHz fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF Time	Transducer
150.0 kHz	30.0 MHz	0.8 %	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008
						Average


MEASUREMENT RESULT: "PEI-0414-V03_fin"

4/14/2012 2:27PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.548969	25.00	12.0	56	31.0	QP	N	GND
	1.176758	18.80	11.8	56	37.2	QP	N	GND
	29.734506	22.40	11.0	60	37.6	QP	N	GND

MEASUREMENT RESULT: "PEI-0414-V03_fin2"

4/14/2012 2:27PM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.628773	19.80	11.9	46	26.2	AV	N	GND
	1.264427	13.80	11.8	46	32.2	AV	N	GND
	29.498050	13.00	11.0	50	37.0	AV	N	GND

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:**Pass**

Test standard : RSS-102 Issue 4
FCC KDB Publication 447498

The maximum peak output power of the transmitter is 17.498mW (12.43dBm) only, which less than 20mW. Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 4.

Since maximum peak output power of the transmitter is <60/f (GHz) mW, i.e. 17.498mW<25(=60/2.4) mW, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

7. Photographs of the Test Set-Up

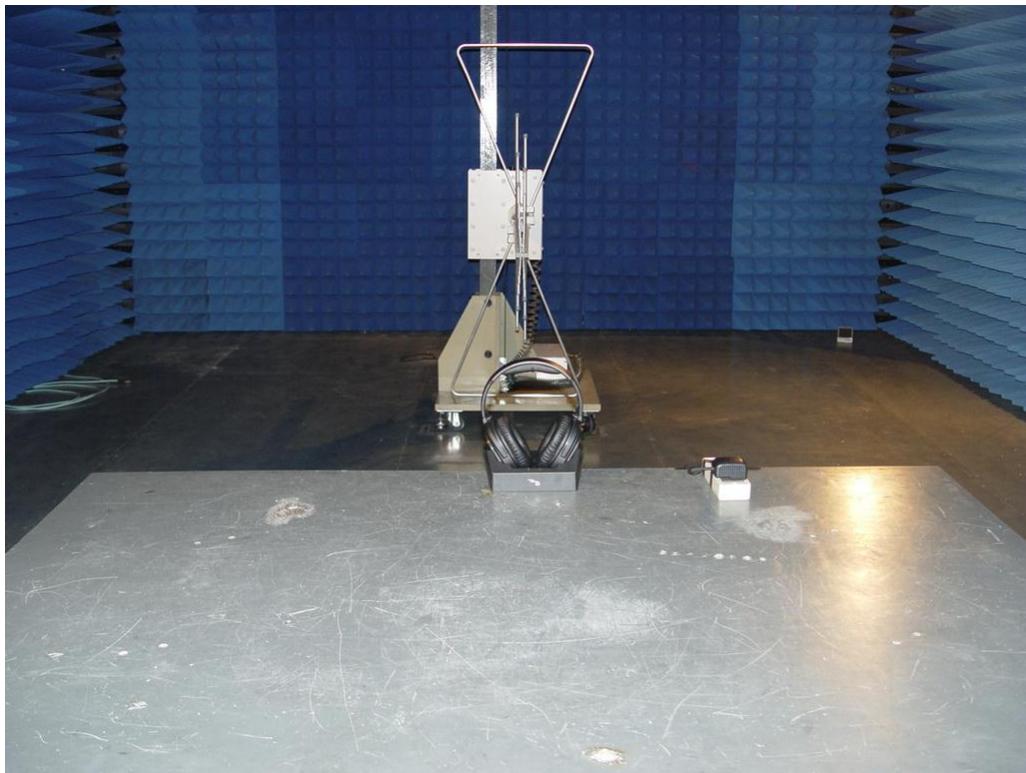
Photograph 1: Set-up for Conducted Emissions



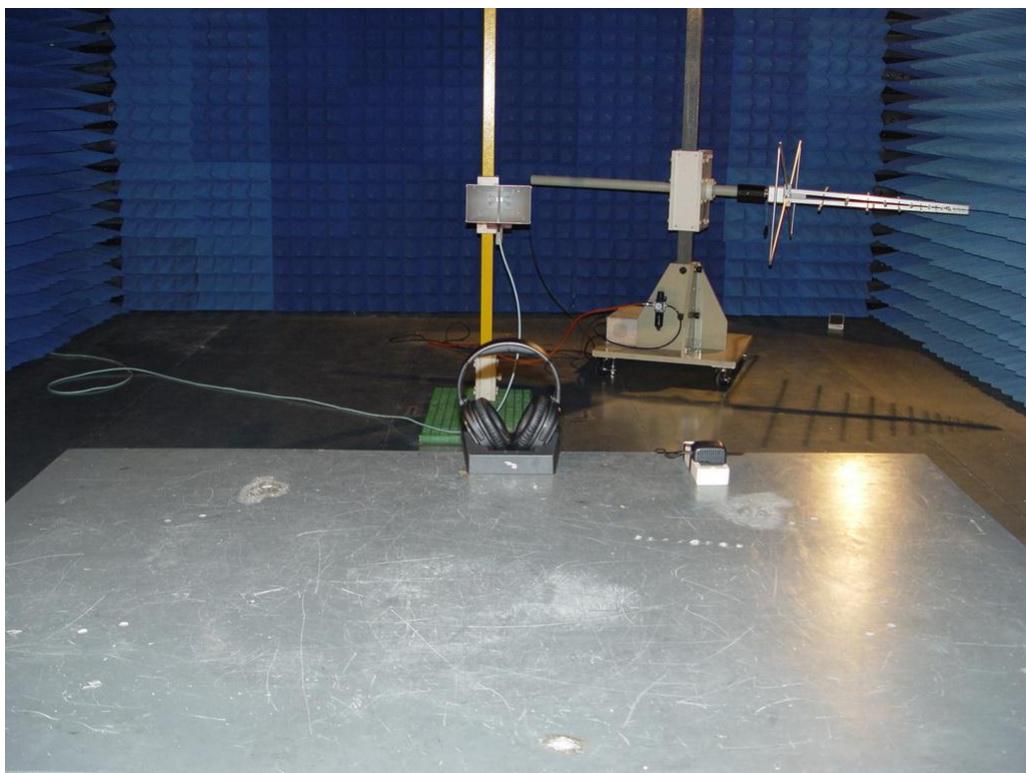
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Photograph 2: Set-up for Radiated Emissions below 1GHz



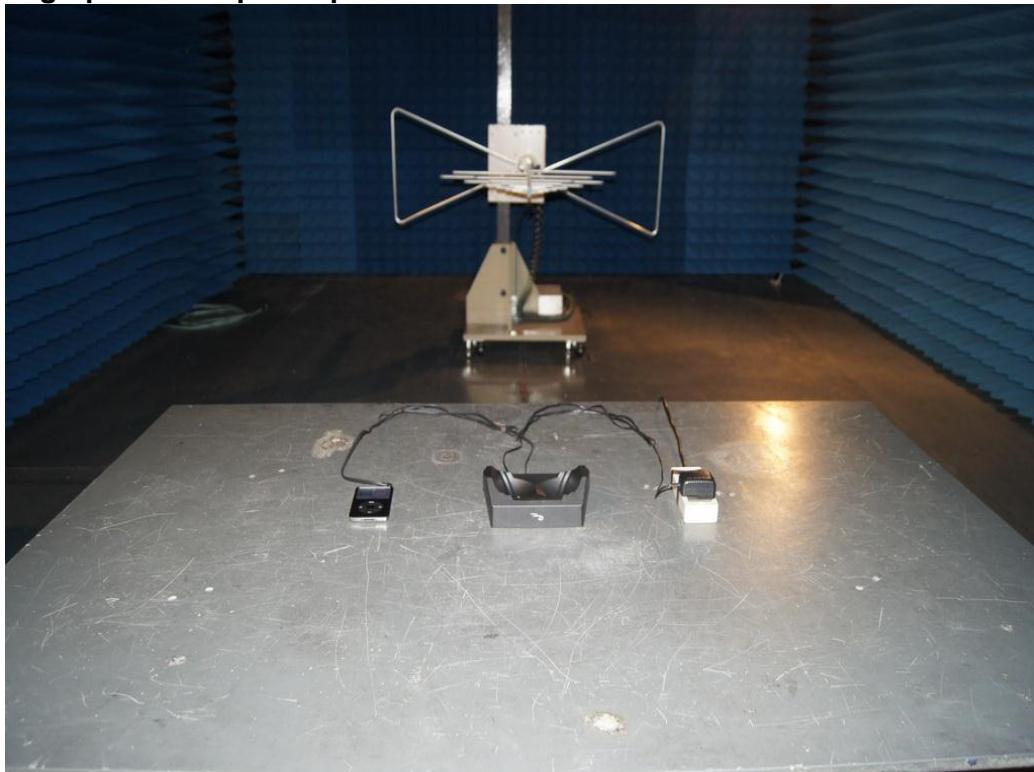
Photograph 3: Set-up for Radiated Emissions above 1GHz



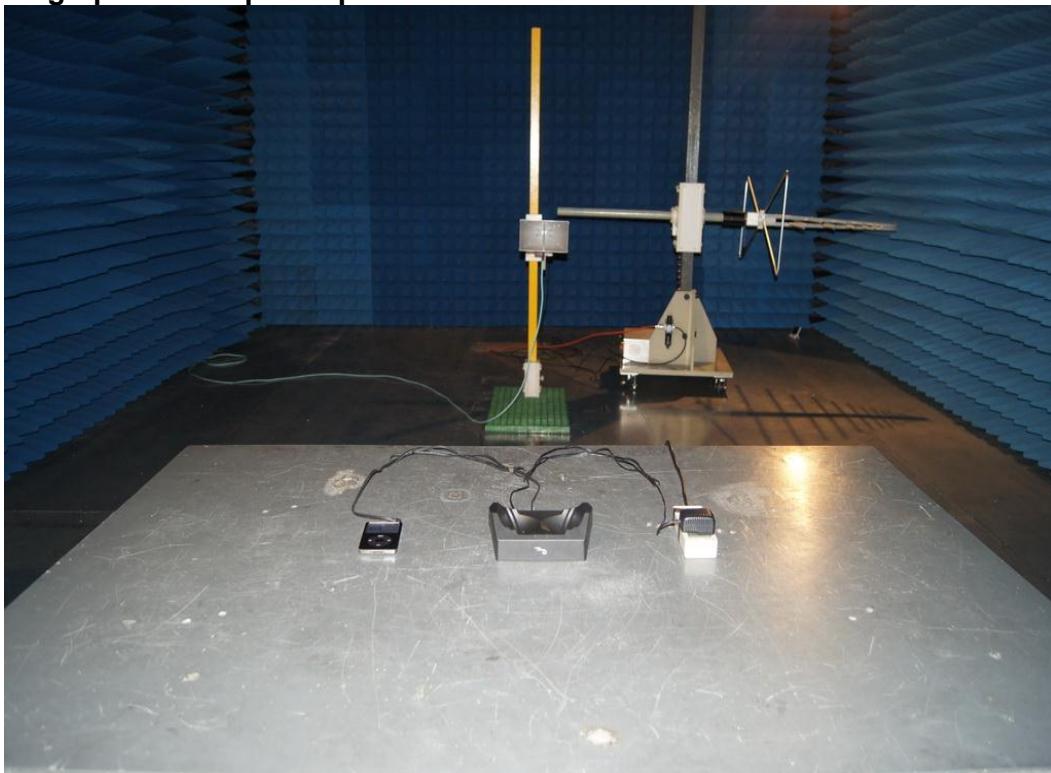
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Photograph 4: Set-up for Spurious Emissions below 1GHz



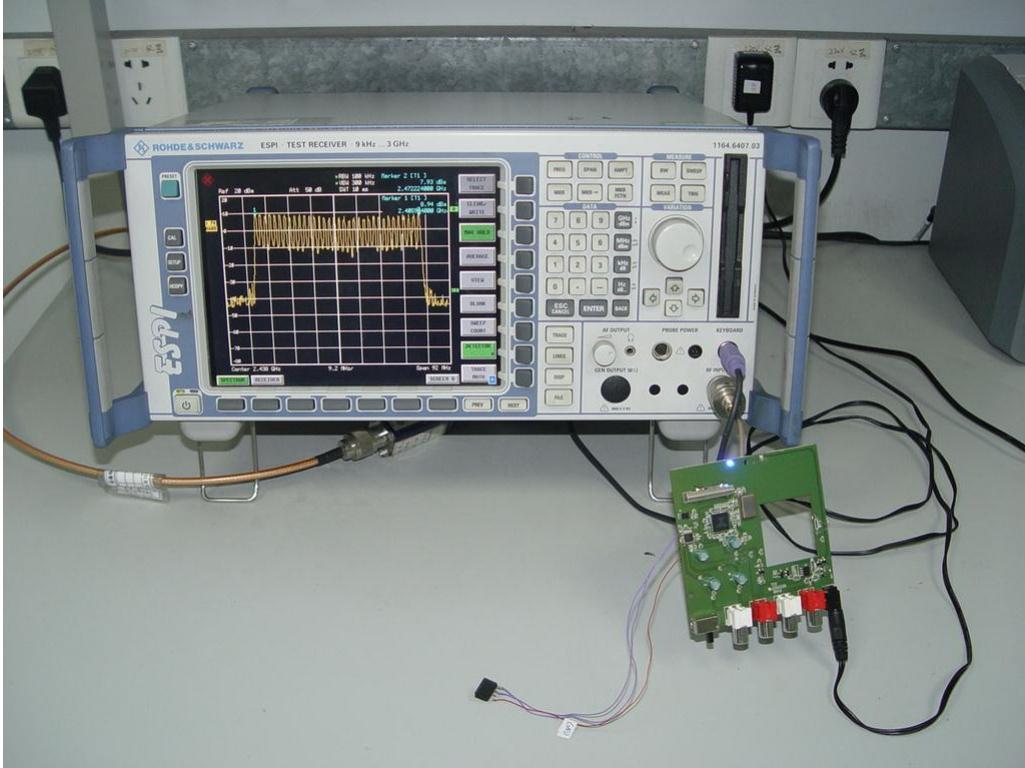
Photograph 5: Set-up for Spurious Emissions above 1GHz



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Photograph 6: Setup for Radio Spectrum testing



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