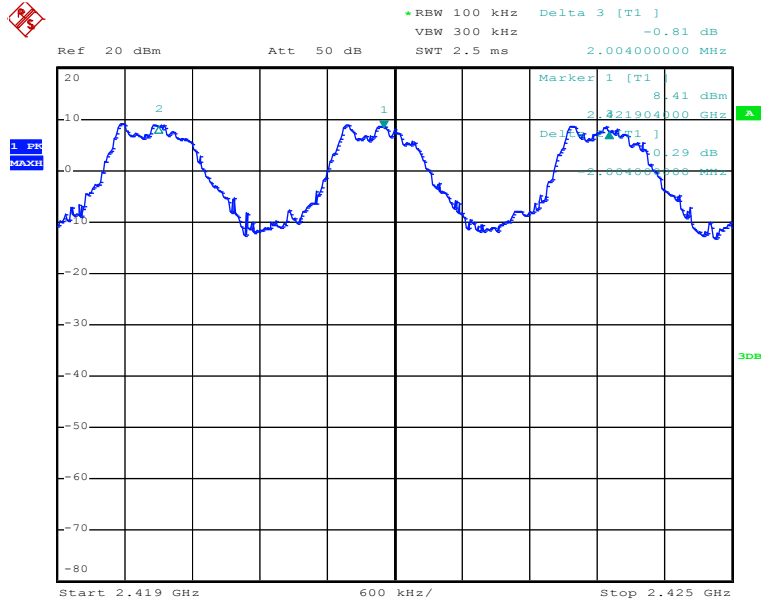
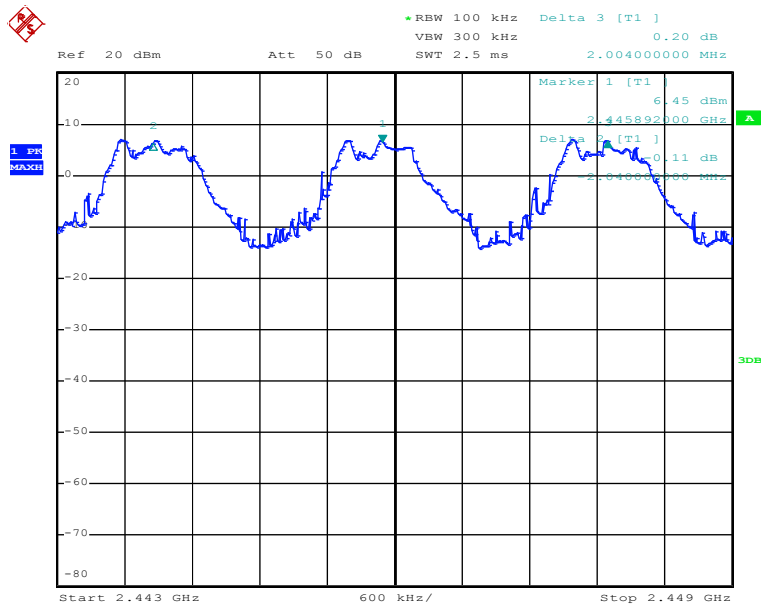


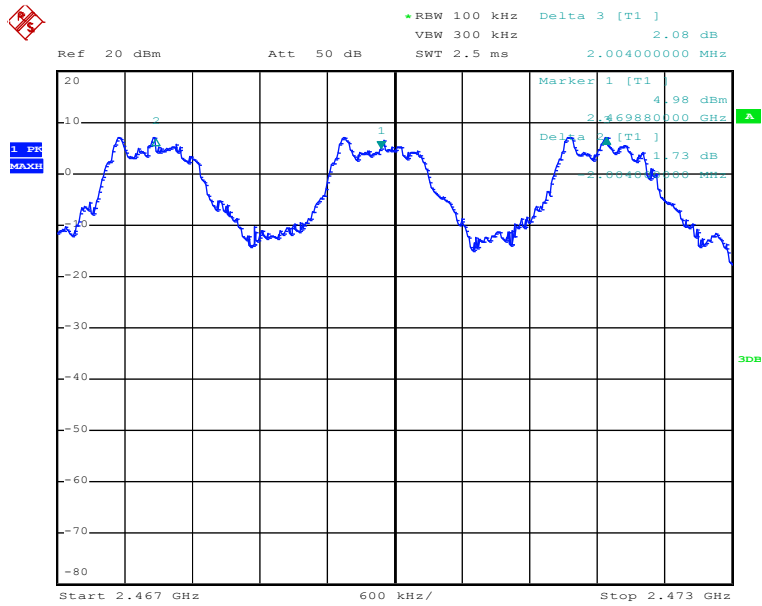
Test Plot of Frequency Separation



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



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



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

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Page 59 of 100**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

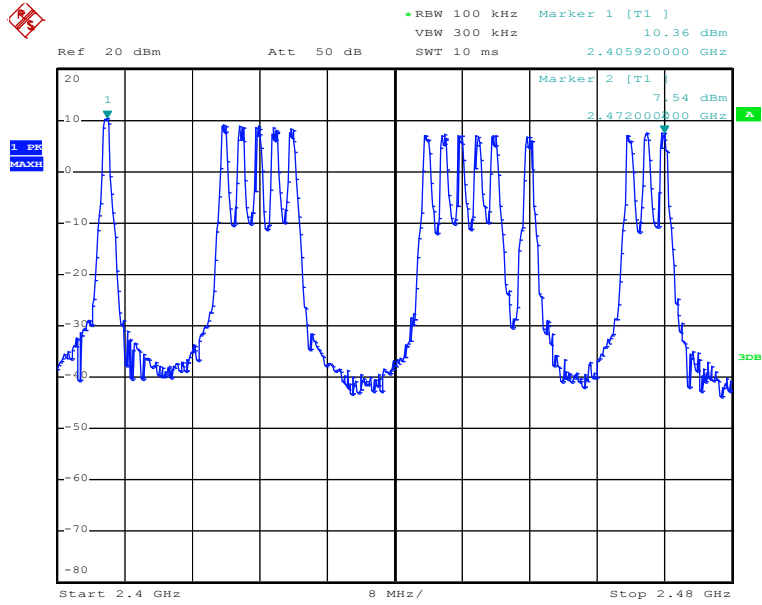
Test setup

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

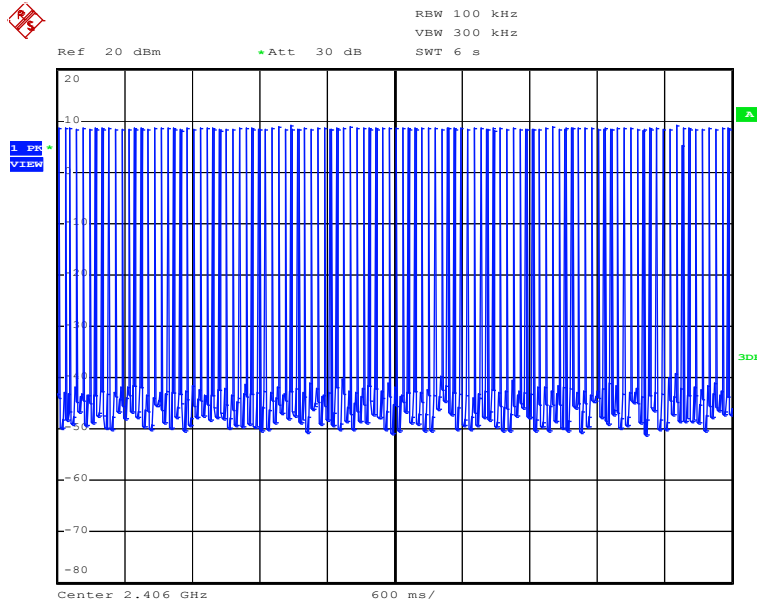
Test Plot of Number of hopping frequency



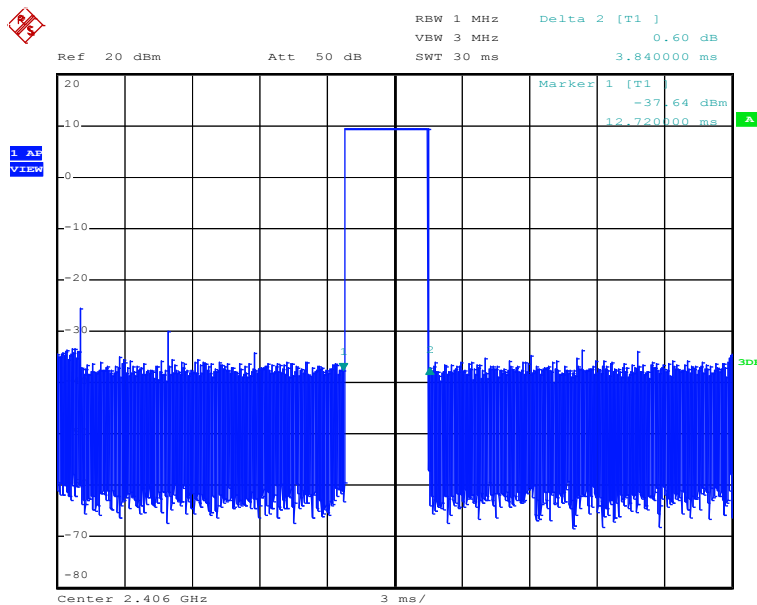
Date: 18.MAY.2012 19:07:35

Test Plot of Time of Occupancy

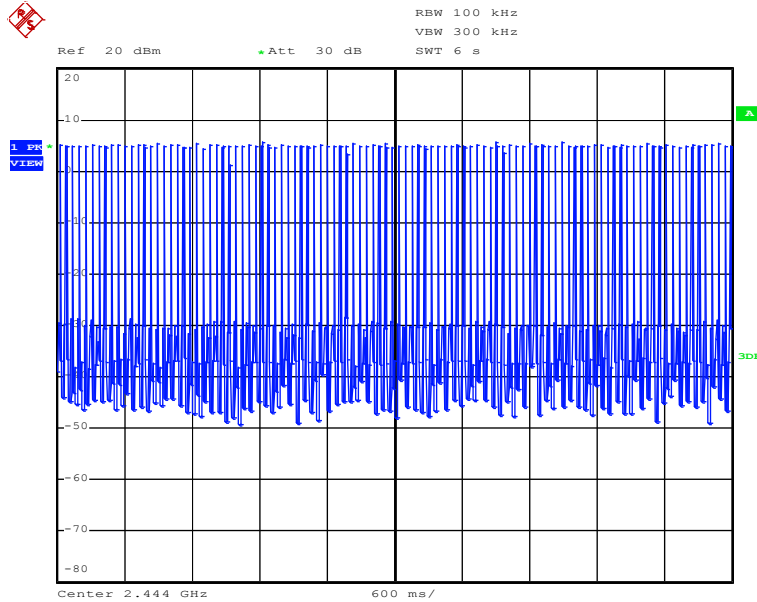
Low channel



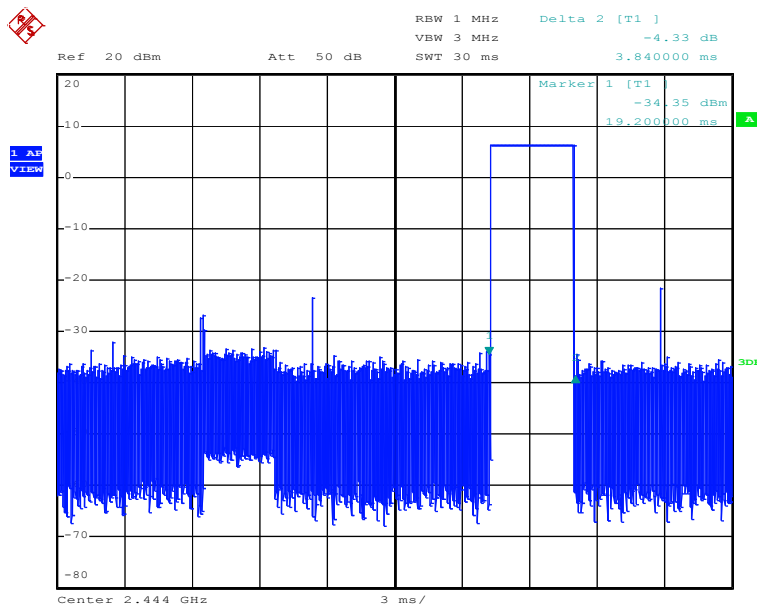
Date: 18.MAY.2012 21:51:24



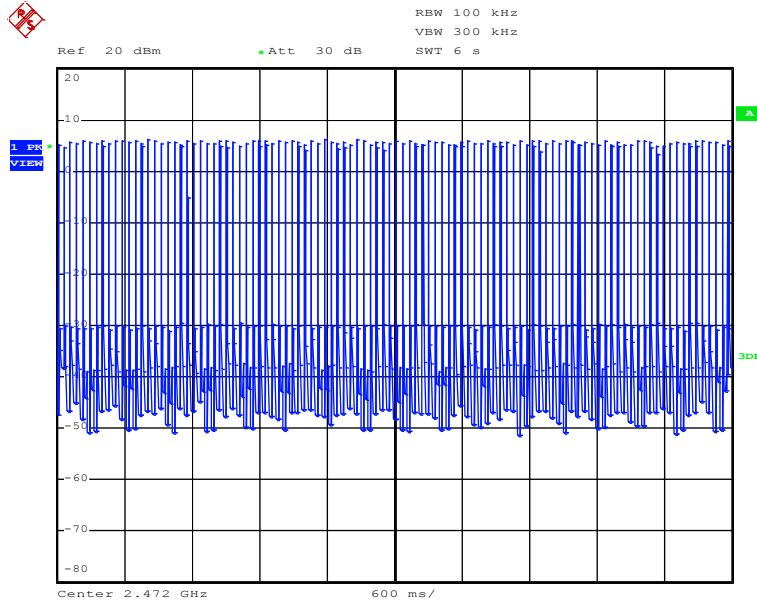
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Middle channel


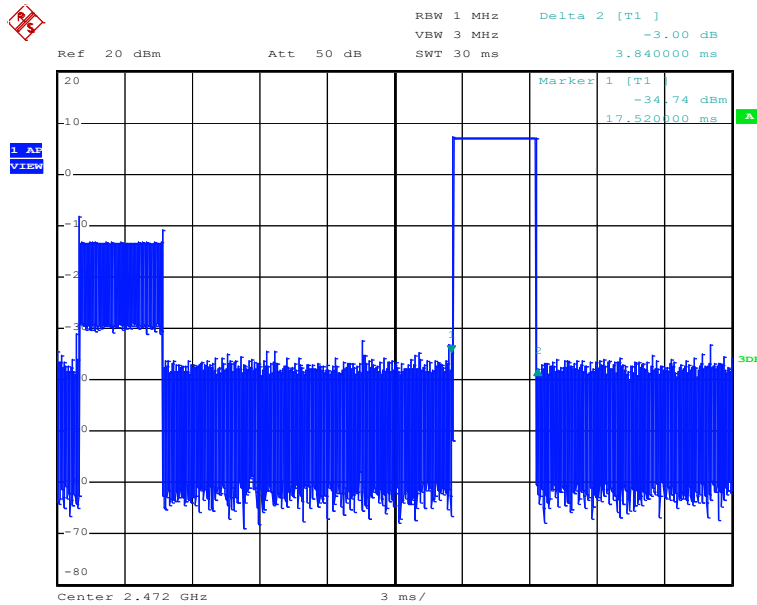
Date: 18.MAY.2012 21:38:31



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

High channel


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



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

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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.

Test Plot of Radiated emissions


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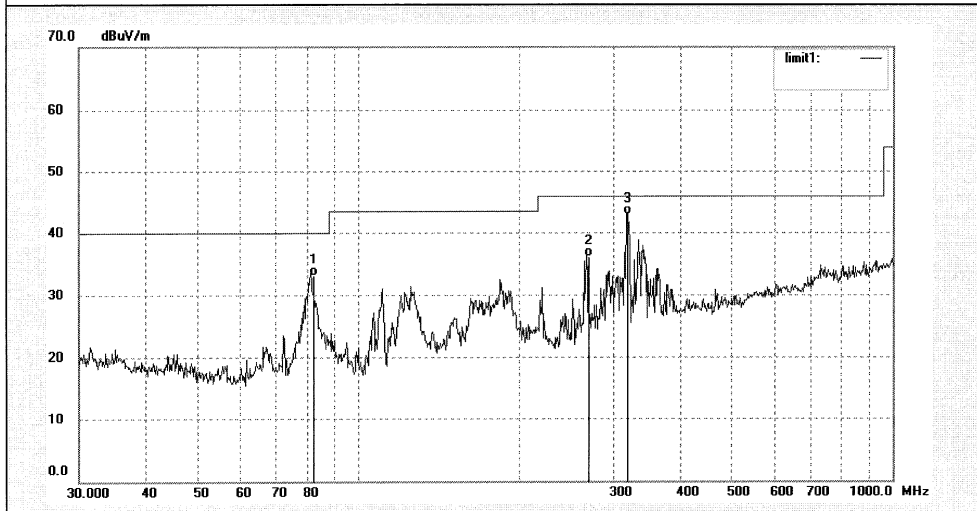
Site: 966 chamber

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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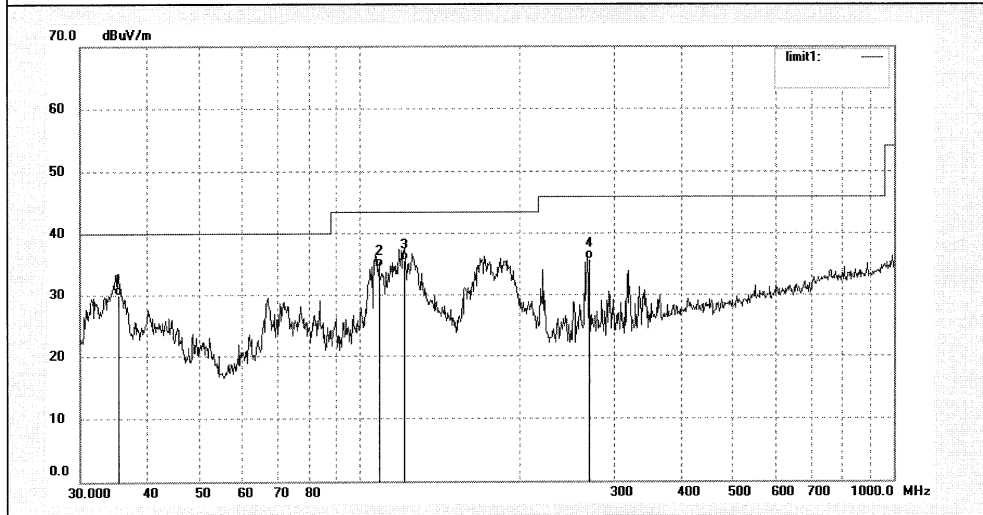
Site: 966 chamber

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			

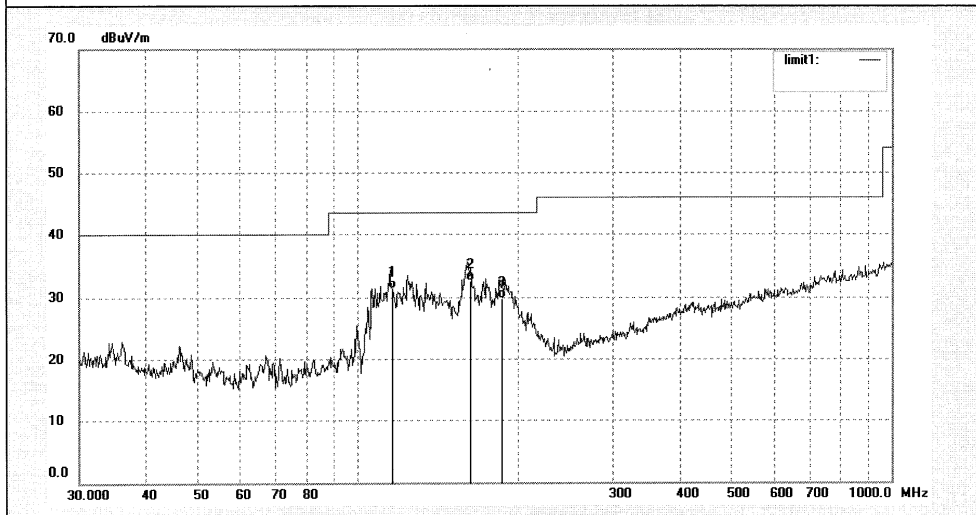

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 Site: 966 chamber
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Job No.: pei #7996	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/04/08
Temp.(C)/Hum.(%) 24 C / 48 %	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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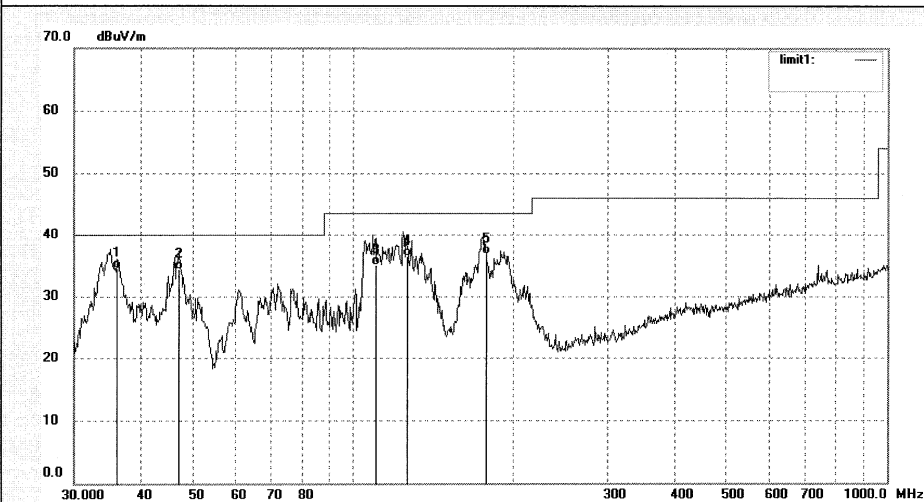
Site: 966 chamber

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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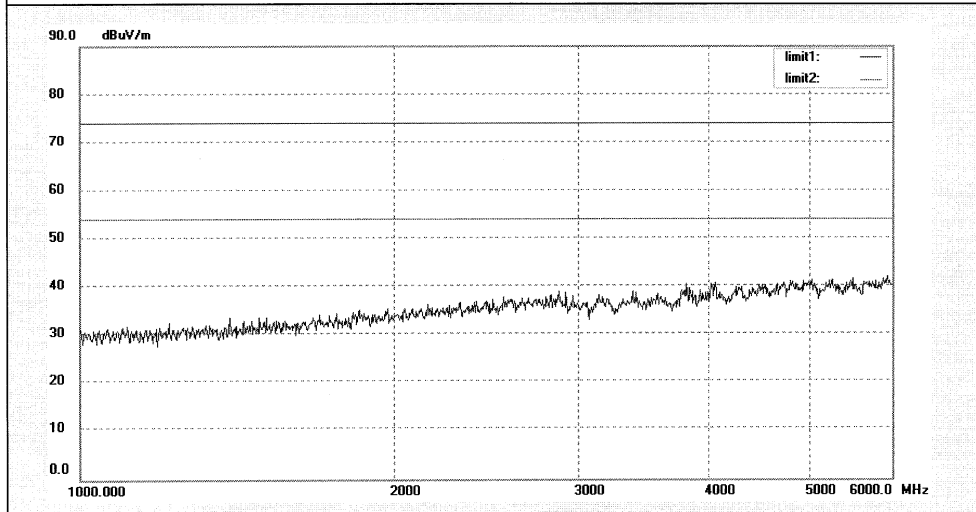
Site: 966 chamber

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



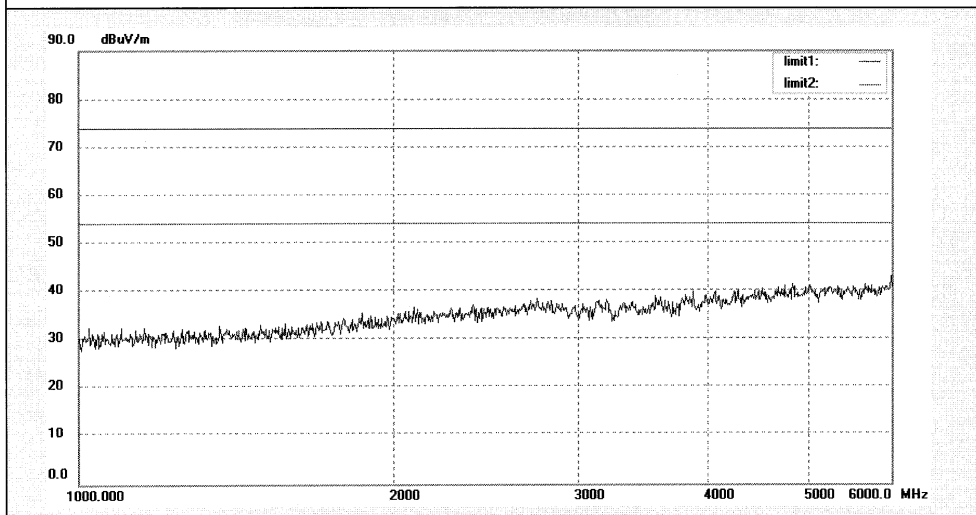
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Job No.: pei #8000	Polarization: Vertical
Standard: FCC 15B above1GHz	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/04/08
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 13:53:41
EUT: 2.4GHz Digital Wireless Stereo Headphones	Engineer Signature: 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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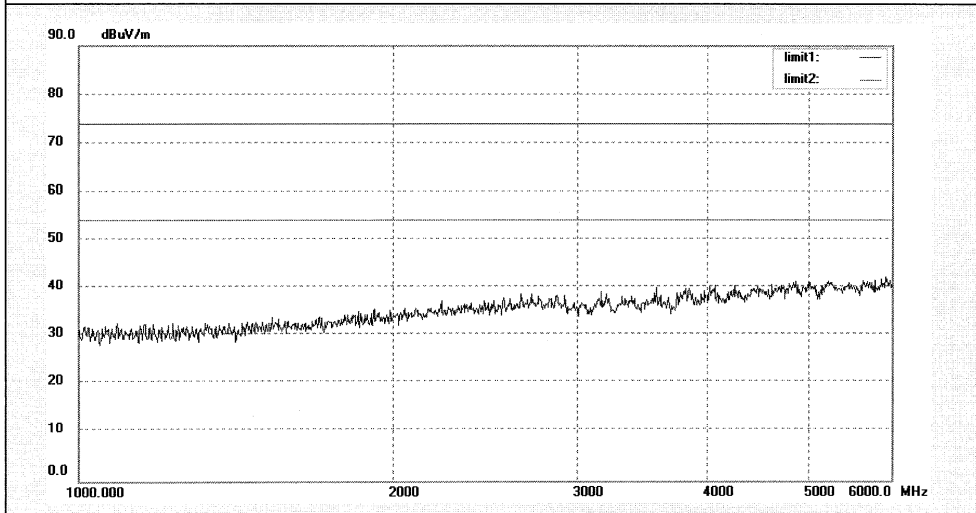
Site: 966 chamber

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
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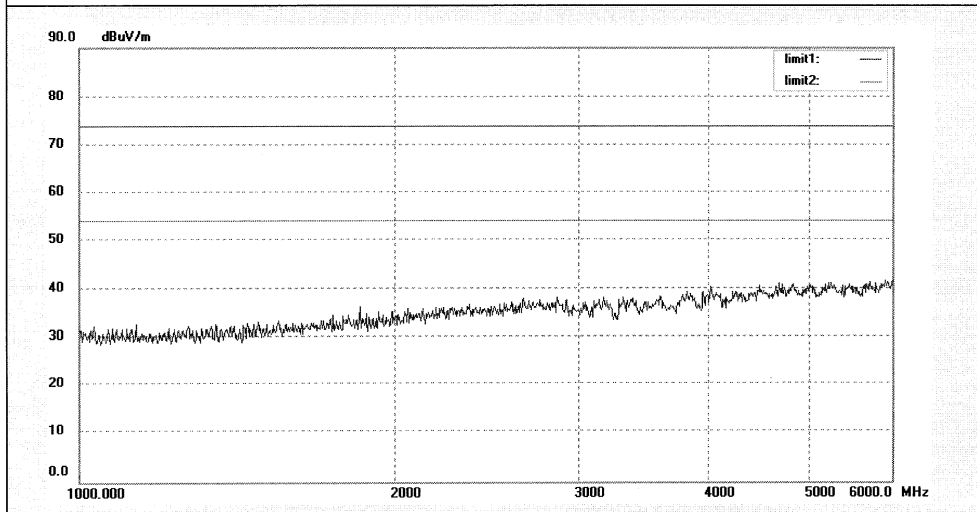
Site: 966 chamber

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

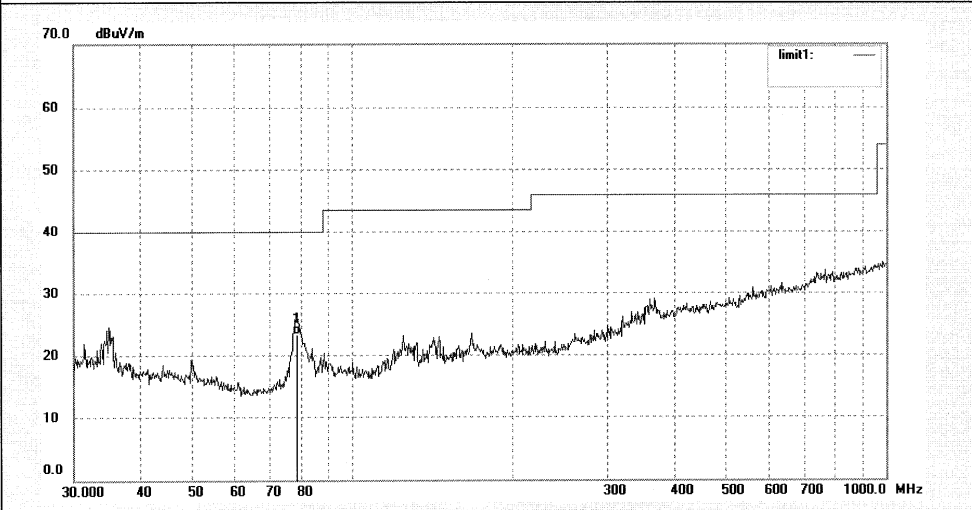

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 Site: 966 chamber
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Job No.: pei #8117	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/04/14/
Temp.(C)/Hum.(%) 24 C / 48 %	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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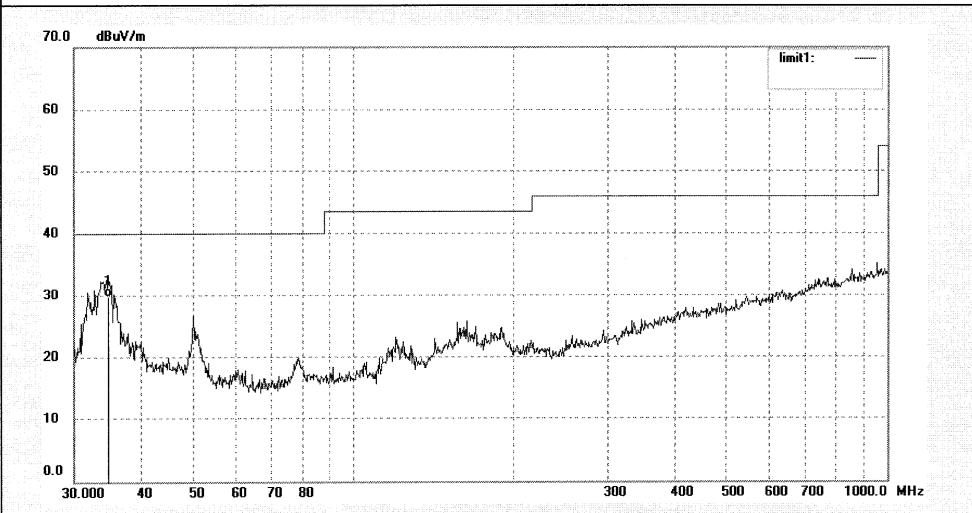
Site: 966 chamber

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			

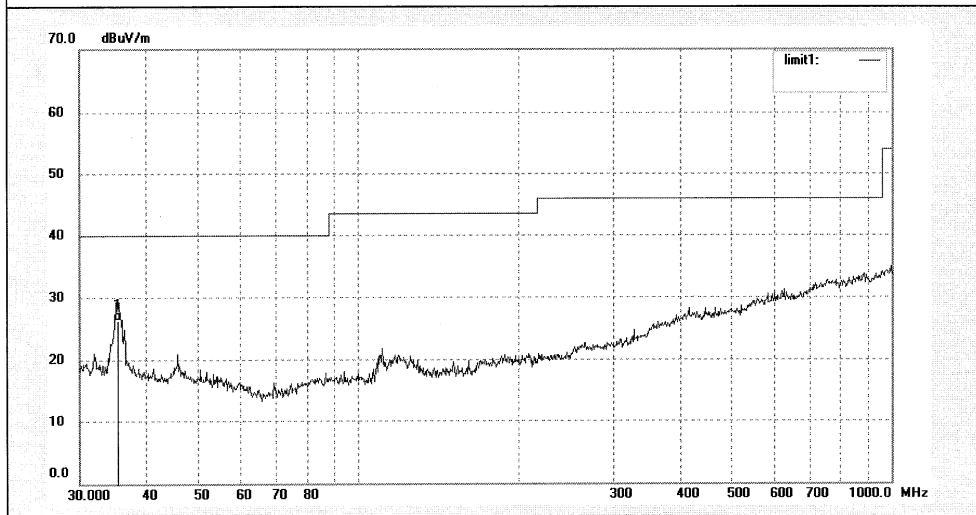

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 Site: 966 chamber
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Job No.: pei #8114	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/04/14/
Temp.(C)/Hum.(%) 24 C / 48 %	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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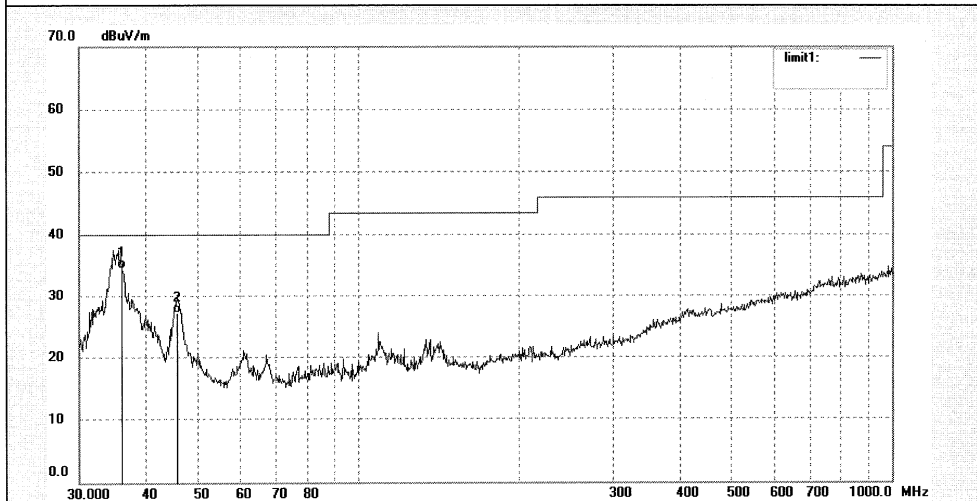
Site: 966 chamber

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			

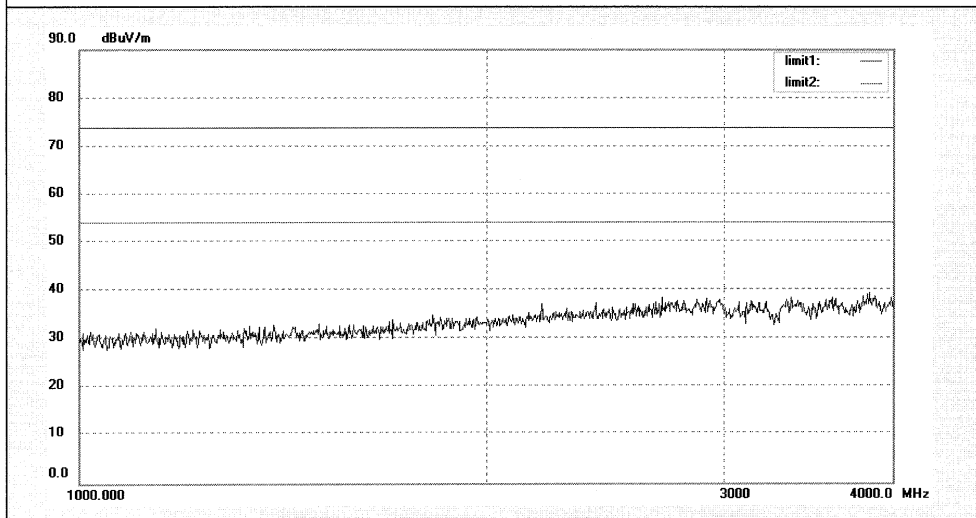

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Job No.: pei #8119	Polarization: Horizontal
Standard: FCC 15B above1GHz	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/04/14/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 9/14/48
EUT: 2.4GHz Digital Wireless Stereo Headphones	Engineer Signature: 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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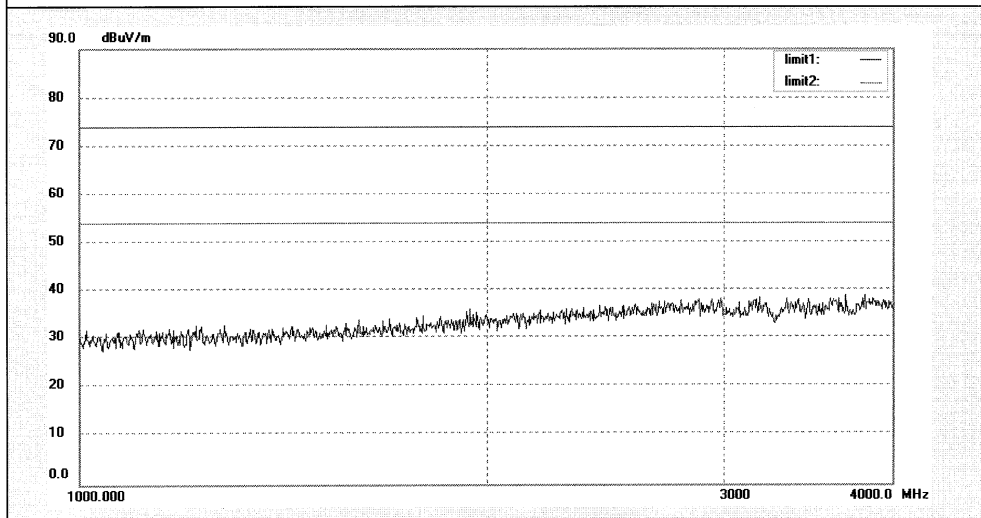
Site: 966 chamber

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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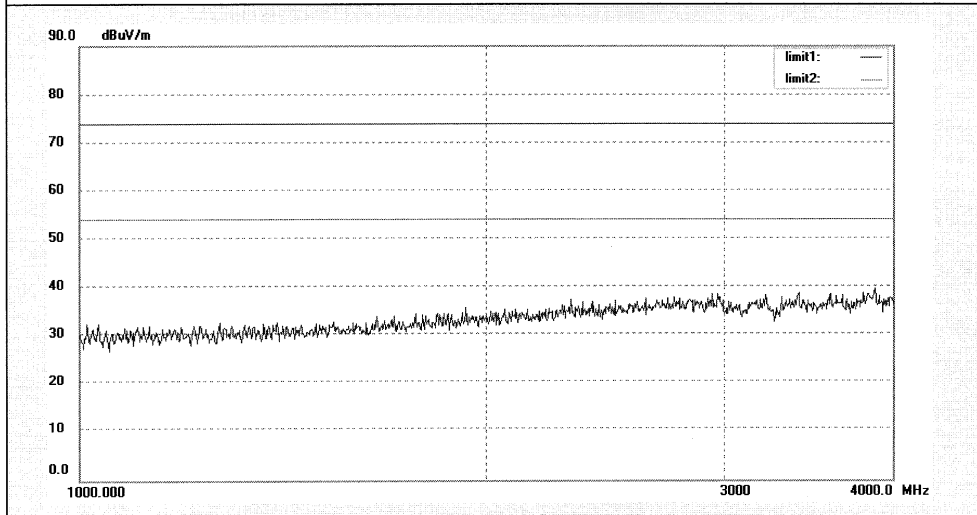

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 Site: 966 chamber
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 Fax:+86-0755-26503396

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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Test Report No.
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 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

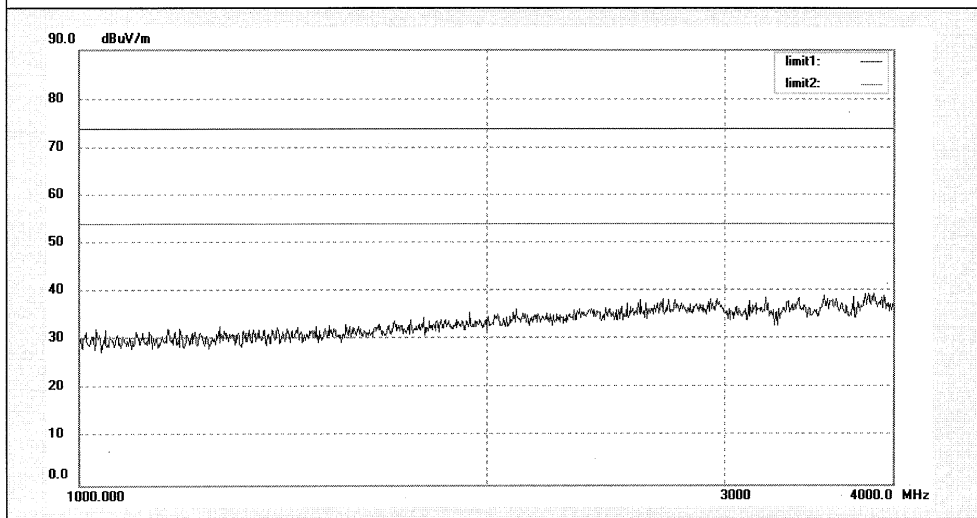
Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #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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Prüfbericht - Nr.: 17025498 001
Test Report No.**Seite 82 von 100**
Page 82 of 100**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.

Test Plot of Conducted emissions

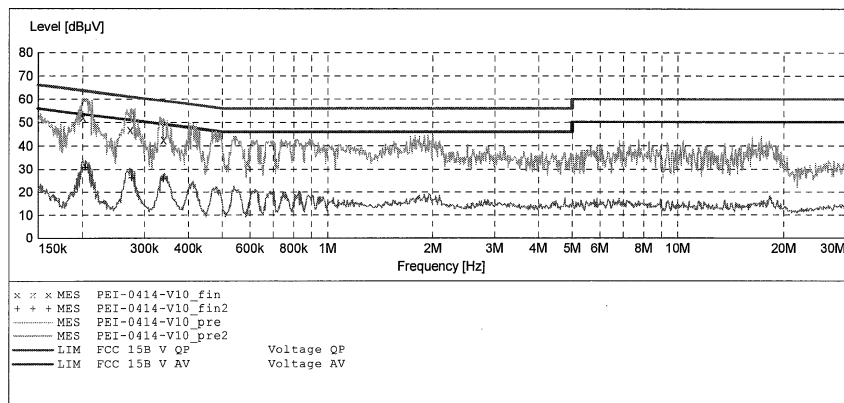
ACCURATE TECHNOLOGY CO.,LTD

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"

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-V10_fin"

4/14/2012 2:54PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
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

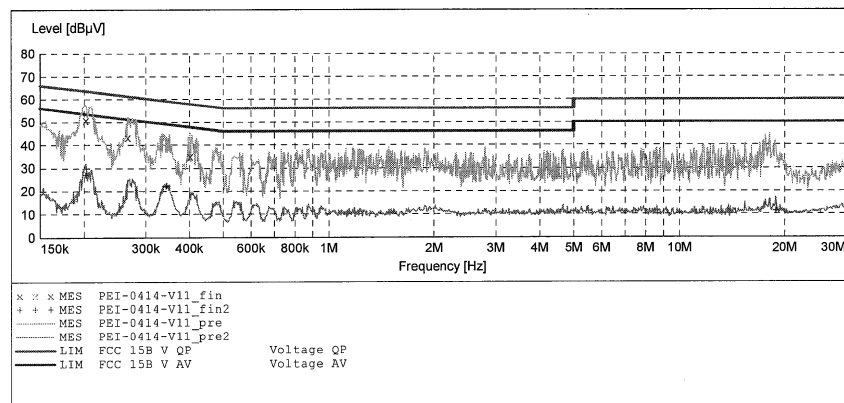
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.203980	30.60	11.3	53	22.8	AV	L1	GND
0.276280	26.10	11.5	51	24.8	AV	L1	GND
0.340018	25.60	11.7	49	23.6	AV	L1	GND

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"

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
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 MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
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

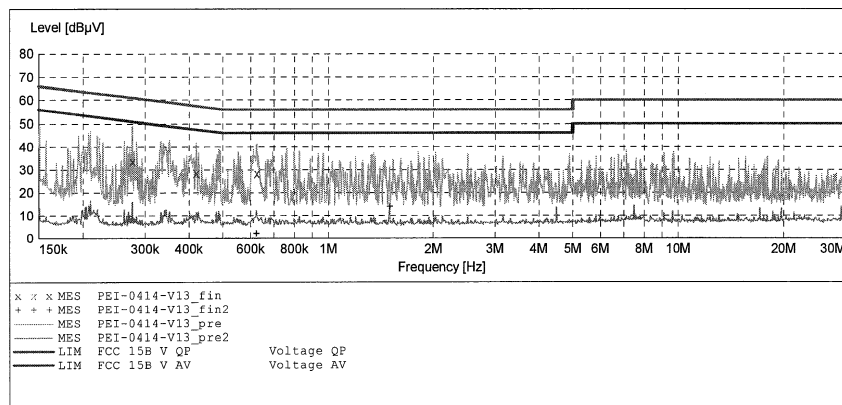
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.202358	26.80	11.2	54	26.7	AV	N	GND
0.344115	21.80	11.7	49	27.3	AV	N	GND
18.863291	11.10	11.1	50	38.9	AV	N	GND

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"

Start	Stop	Step	Width	Detector	Meas. Time	IF Bandw.	Transducer
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 MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
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 MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
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

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

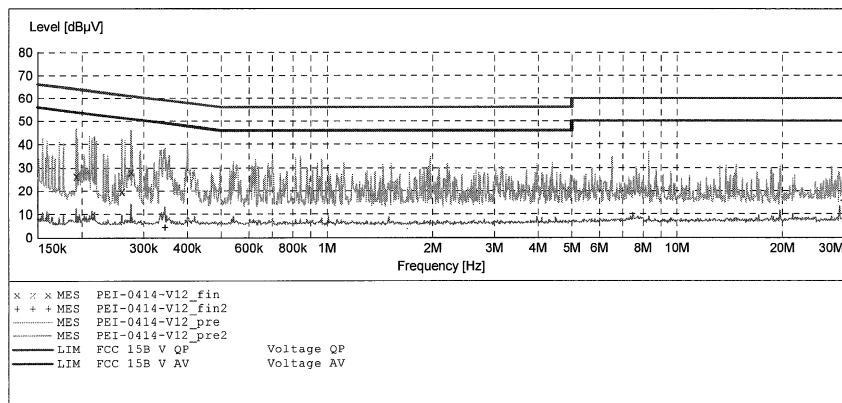
EUT: 2.4GHz Digital Wireless Stereo Headphones M/N:RF-WHP212
 Manufacturer: Shenzhen Horn Audio Co., Ltd.
 Operating Condition: Line-in audio input
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: N 120V/60Hz
 Comment: Mains port
 SPS:DBK

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

Short Description: SUB STD_VTERM2 1.70

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
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 MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
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

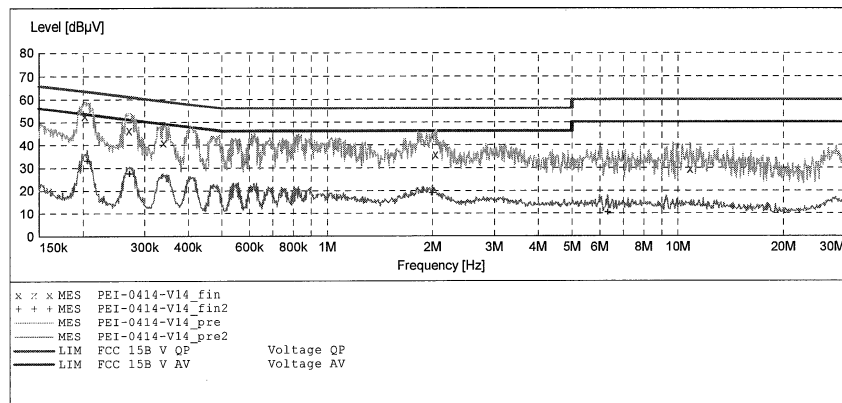
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.345491	4.20	11.7	49	44.9	AV	N	GND
1.011128	-1.60	11.8	46	47.6	AV	N	GND
30.000000	15.80	11.0	50	34.2	AV	N	GND

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"

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
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 MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
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

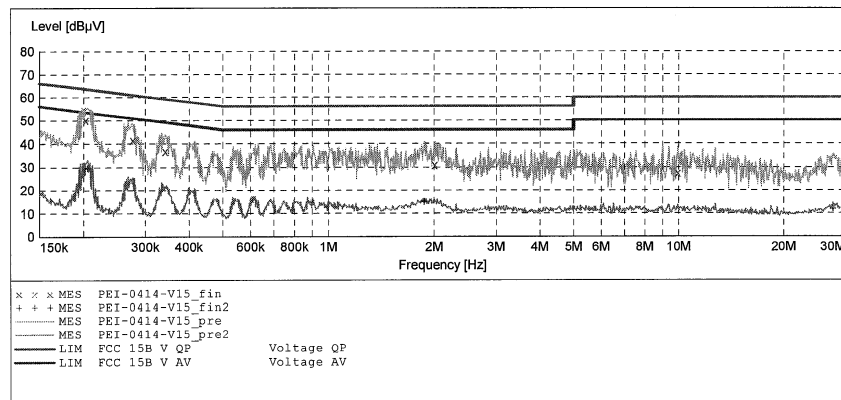
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.205615	33.00	11.3	53	20.4	AV	L1	GND
0.271903	27.50	11.5	51	23.6	AV	L1	GND
2.001110	18.80	11.7	46	27.2	AV	L1	GND
6.318008	10.40	11.4	50	39.6	AV	L1	GND

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:DBK

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

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
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 MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
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 MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
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

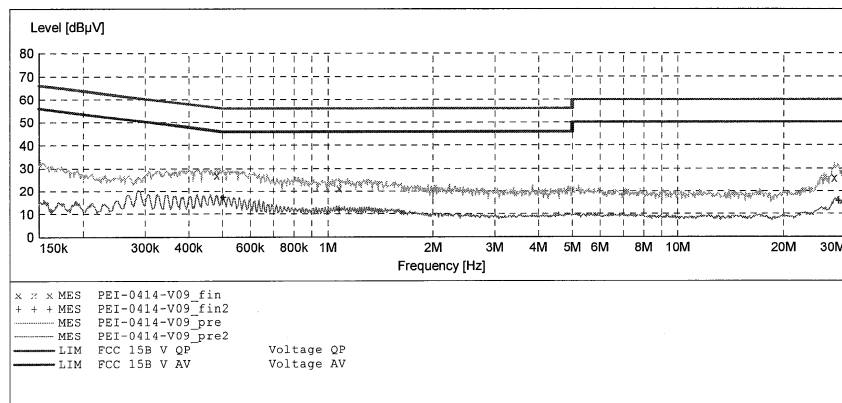
ACCURATE TECHNOLOGY CO.,LTD
CONDUCTED EMISSION STANDARD FCC PART 15

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:SIL

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

Short Description: _SUB STD_VTERM2 1.70

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
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 MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
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

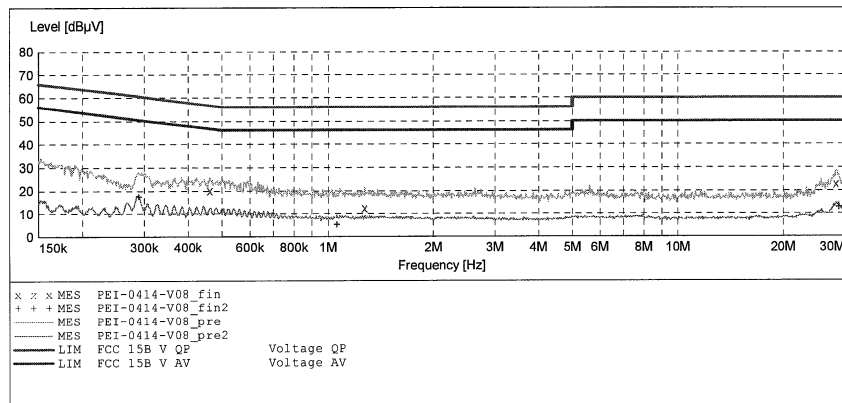
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.502813	17.10	12.0	46	28.9	AV	L1	GND
1.077818	11.50	11.8	46	34.5	AV	L1	GND
28.685163	15.50	11.0	50	34.5	AV	L1	GND

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:SIL

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

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
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 MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
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

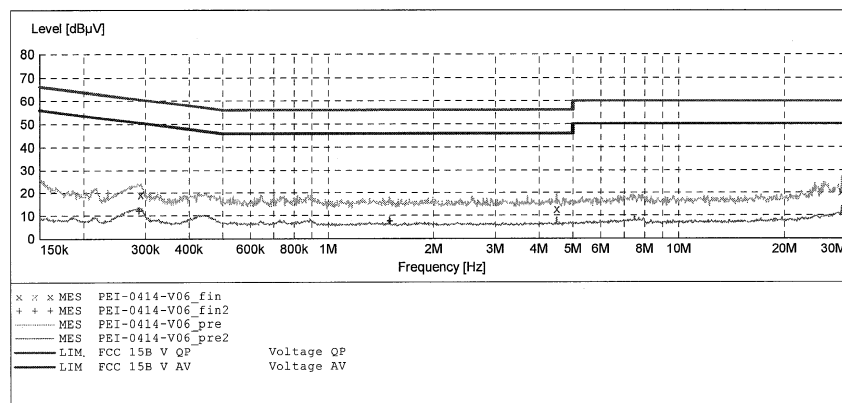
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.289837	17.40	11.5	51	33.1	AV	N	GND
1.060744	5.20	11.8	46	40.8	AV	N	GND
28.799903	12.60	11.0	50	37.4	AV	N	GND

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:SIL

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

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	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 MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
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

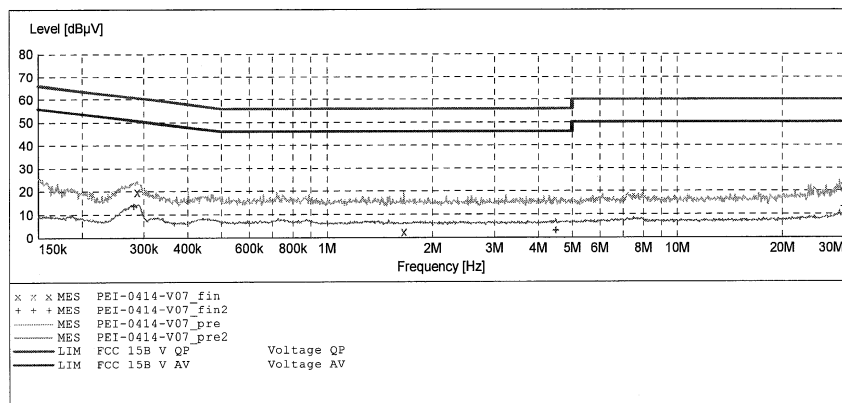
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.287532	12.00	11.5	51	38.6	AV	L1	GND
1.501217	7.60	11.7	46	38.4	AV	L1	GND
30.000000	14.30	11.0	50	35.7	AV	L1	GND

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"

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


MEASUREMENT RESULT: "PEI-0414-V07_fin"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
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"

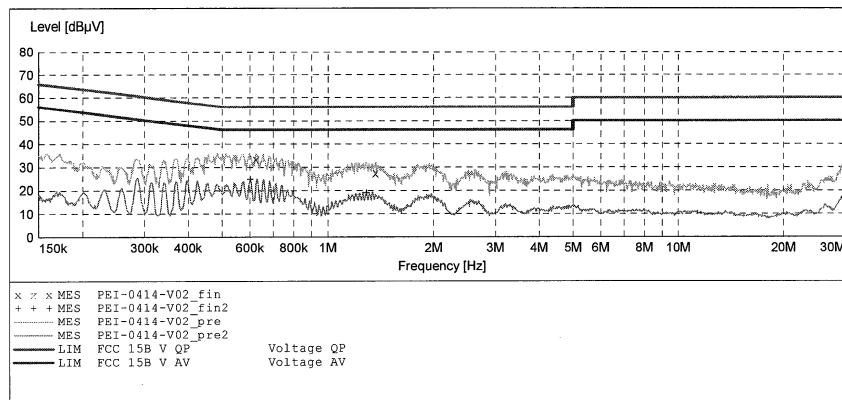
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.280727	13.30	11.5	51	37.5	AV	N	GND
4.500021	2.90	11.5	46	43.1	AV	N	GND
30.000000	13.00	11.0	50	37.0	AV	N	GND

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
 SFS:SIL

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

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
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 MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
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

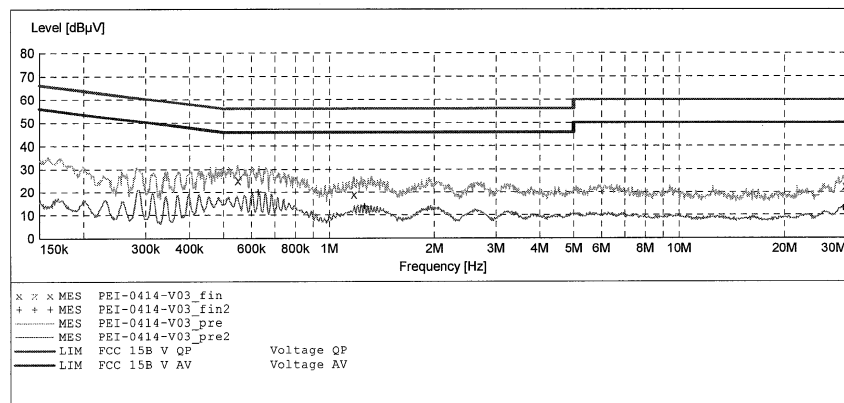
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.601760	24.60	12.0	46	21.4	AV	L1	GND
1.289919	19.00	11.8	46	27.0	AV	L1	GND
29.734506	16.30	11.0	50	33.7	AV	L1	GND

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	Stop	Step	Detector	Meas. Time	IF Bandw.	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 MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
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 MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
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**

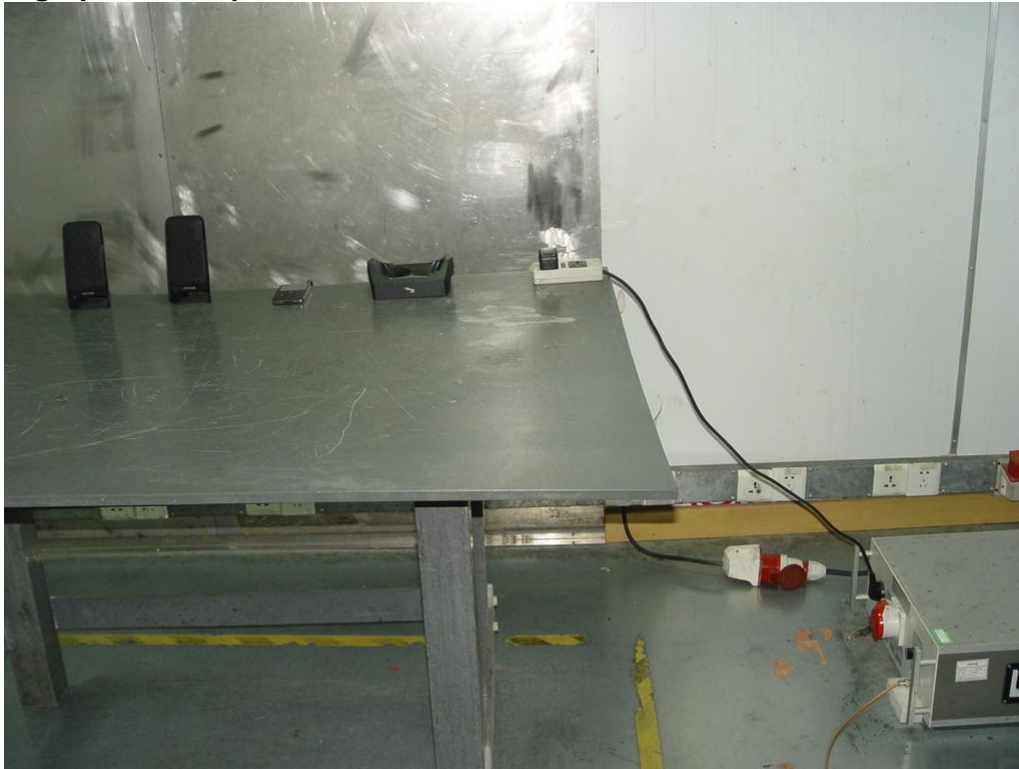
Test standard : RSS-102 Issue 4
FCC KDB Publication 447498

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.

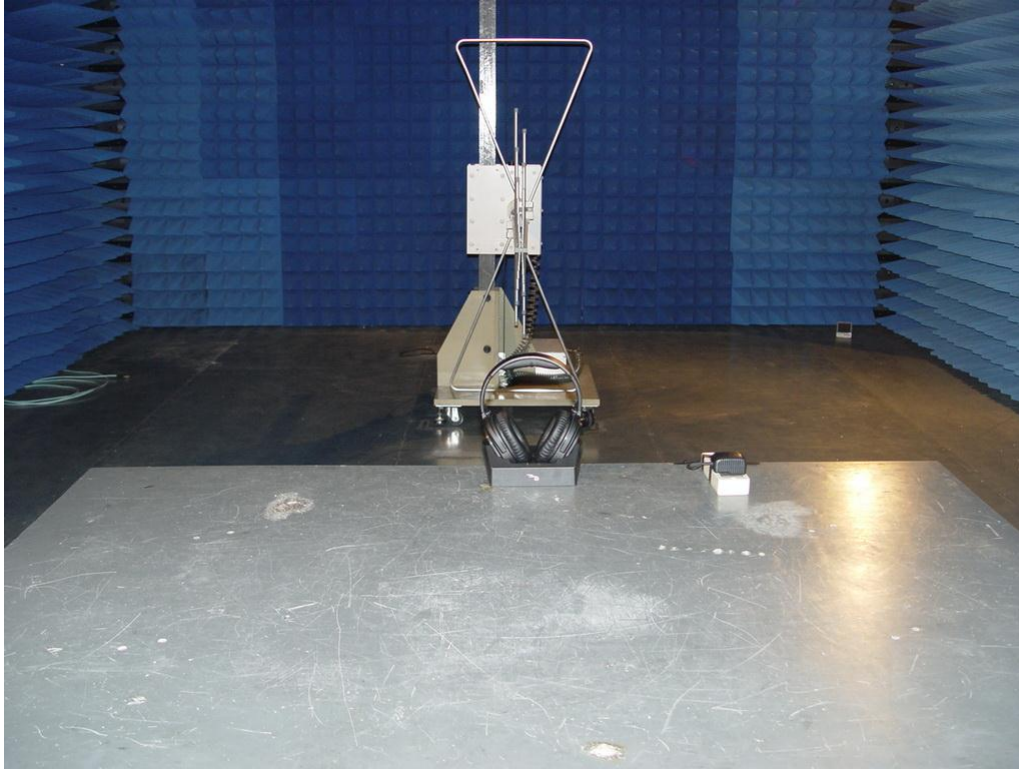
Since maximum peak output power of the transmitter is $<60/f$ (GHz) mW, i.e. $17.498\text{mW} < 25 (=60/2.4)$ mW, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

7. Photographs of the Test Set-Up

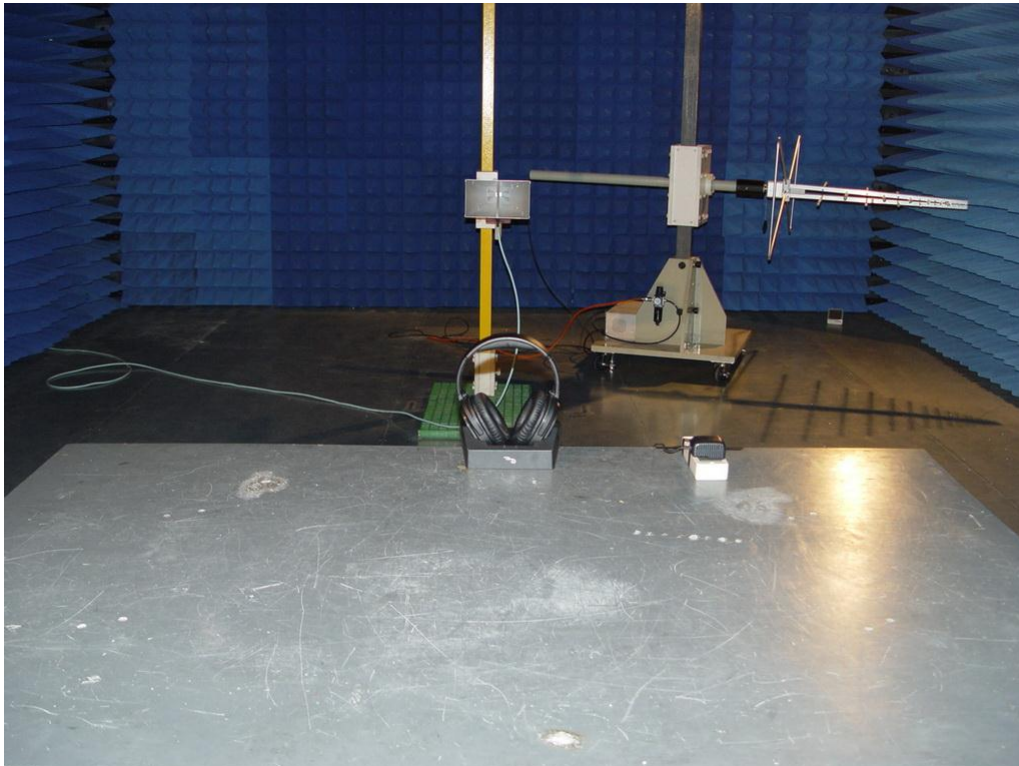
Photograph 1: Set-up for Conducted Emissions



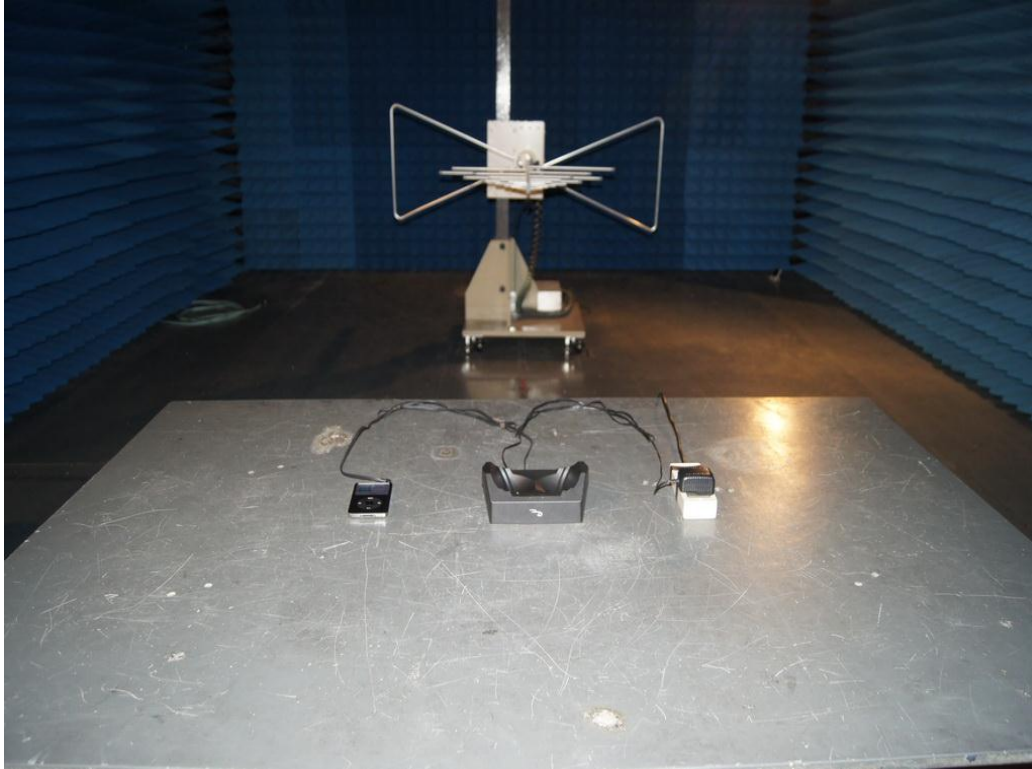
Photograph 2: Set-up for Radiated Emissions below 1GHz



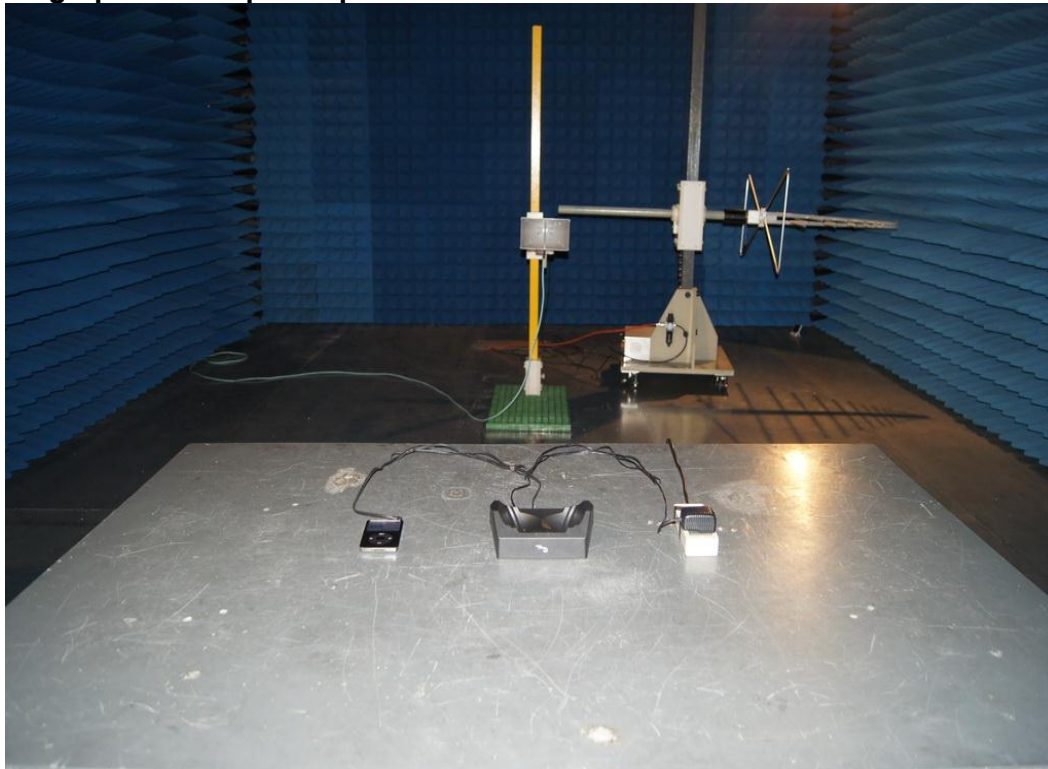
Photograph 3: Set-up for Radiated Emissions above 1GHz



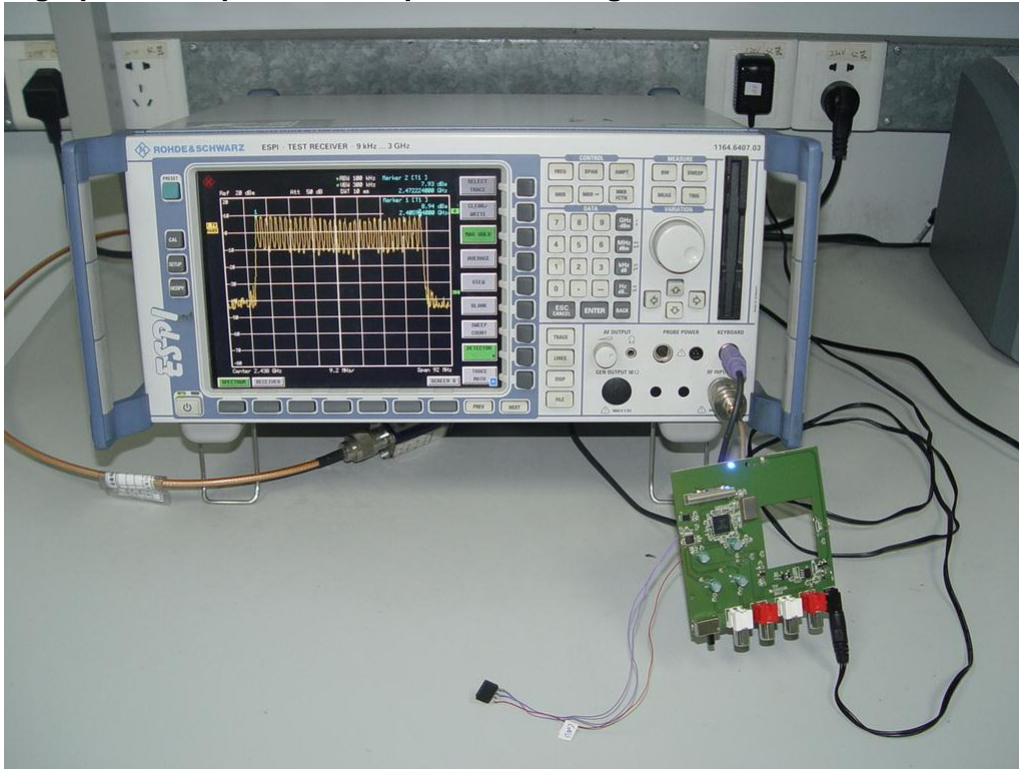
Photograph 4: Set-up for Spurious Emissions below 1GHz



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



Photograph 6: Setup for Radio Spectrum testing



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