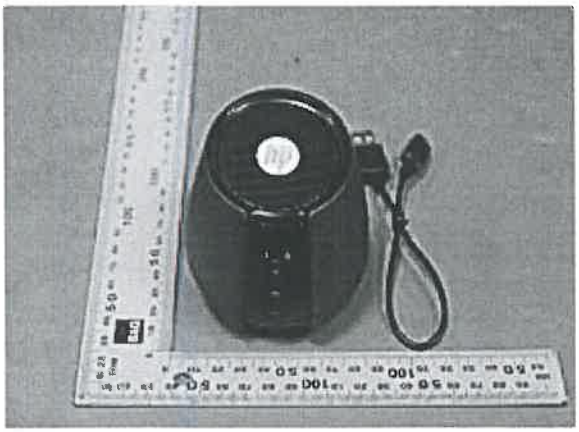
Prüfbericht-Nr.: *Test Report No.:*	17051302 001	**Auftrags-Nr.:** *Order No.:*	164041103	**Seite 1 von 32** *Page 1 of 32*
Kunden-Referenz-Nr.: *Client Reference No.:*	N/A	**Auftragsdatum:** *Order date.:*	15.07.2015	
Auftraggeber: *Client:*	**Hewlett-Packard Company** 1501 Page Mill Road, Palo Alto, 94304 California, United States			
Prüfgegenstand: *Test item:*	HP Wireless Speaker S6500			
Bezeichnung / Typ-Nr.: *Identification / Type No.:*	BC1101			
Auftrags-Inhalt: *Order content:*	FCC Certification and Verification			
Prüfgrundlage: *Test specification:*	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 15: Subpart C Section 15.107 CFR47 FCC Part 15: Subpart C Section 15.109 FCC KDB Publication 447498 D01 v05r02			
Wareneingangsdatum: *Date of receipt:*	15.07.2015			
Prüfmuster-Nr.: *Test sample No.:*	A000227425-001 to 003			
Prüfzeitraum: *Testing period:*	18.07.2015 - 31.08.2015			
Ort der Prüfung: *Place of testing:*	Accurate Technology Co., Ltd.			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: *Test result*:*	Pass			



geprüft von / *tested by:*			**kontrolliert von** / *reviewed by:*		
10.08.2015	Ryan Yang / Senior Project Engineer		28.08.2015	Sam Lin / Technical Certifier	
Datum *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*

Sonstiges / *Other:*

This test report is for approval of 2.4G band operation.
FCC ID: B94DHDBC1101

Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery:*	Prüfmuster vollständig und unbeschädigt *Test item complete and undamaged:*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhalt
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	1 = very good	2 = good	3 = satisfactory	4 = sufficient	5 = poor
	P(ass) = passed a.m. test specifications(s)		F(ail) = failed a.m. test specifications(s)	N/A = not applicable	N/T = not tested

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Mail: service@de.tuv.com · Web: www.tuv.com

Test Summary

5.1.1 ANTENNA REQUIREMENT
RESULT: Pass

5.1.2 PEAK CONDUCTED OUTPUT POWER
RESULT: Pass

5.1.3 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHZ BANDWIDTH
RESULT: Pass

5.1.4 RADIATED SPURIOUS EMISSION
RESULT: Pass

5.1.5 20DB BANDWIDTH
RESULT: Pass

5.1.6 CARRIER FREQUENCY SEPARATION
RESULT: Pass

5.1.7 NUMBER OF HOPPING FREQUENCY
RESULT: Pass

5.1.8 TIME OF OCCUPANCY
RESULT: Pass

5.1.9 CONDUCTED EMISSIONS
RESULT: Pass

5.1.10 RADIATED EMISSION
RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS
RESULT: Pass

Contents

1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix 1: Test result

2 Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.

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

FCC Registration No.: 752051

Test site Industry Canada No.: 5077A-2

The tests at the test sites have been conducted under the supervision of a TÜV engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Accurate Technology Co., Ltd.

Radio Spectrum Test				
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Until**
Spectrum Analyzer	R&S	ESPI3	100396/003	09.01.2016
Spectrum Analyzer	Agilent	E7405A	MY45115511	09.01.2016
Temp. & Humid. Chamber	Gongwen	HSD-500	0109	09.01.2016
Conducted Emissions				
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Until**
Test Receiver	R&S	ESCS30	100307	09.01.2016
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	09.01.2016
Pulse Limiter	R&S	ESH3-Z2	100815	09.01.2016
50_ Coaxial Switch	Anritsu Corp	MP59B	6200283933	09.01.2016
Radiated Emission & Spurious Emission				
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Until**
Spectrum Analyzer	R&S	FSV40	101495	01.01.2016
Test Receiver	R&S	ESCS30	100307	01.01.2016
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	01.01.2016
Loop Antenna	Schwarzbeck	FMZB1516	1516131	01.01.2016
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	01.01.2016
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	01.01.2016
RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	01.01.2016
Pre-Amplifier	R&S	CBLU11835 40-01	3791	01.01.2016
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	01.01.2016
RF Coaxial Cable	SUHNER	N-3m	No.8	01.01.2016
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	01.01.2016
RF Coaxial Cable	SUHNER	N-6m	No.10	01.01.2016
RF Coaxial Cable	RESENBERGER	N-12m	No.11	01.01.2016
50_ Coaxial Switch	Anritsu Corp	MP59B	6200283933	09.01.2016

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

Parameter	Uncertainty
Radio Spectrum	± 0.60 dB
All emission, radiated	± 4.42 dB
Conducted Emission	± 2.23 dB
Radiated Emission	± 4.42 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix1 of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

Accurate Technology Co., Ltd. Test facility located at F1, Bldg. A, Changyuan New Meterial Port, Keyuan Rd., Science & Industry Park Nanshan District, Shenzhen 518057, P.R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The EUT is a wireless speaker with Bluetooth wireless technology.

Refer to User Manual and Circuit Diagram for further details.

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

Technical Specification	Value
Product Name	HP Wireless Speaker S6500
Model Number	BC1101
Operating Frequency	2402-2480MHz
Channel separation	1MHz
Extreme Temperature Range	-20℃ ~ +55℃
Operation Voltage	DC 3.7V via Internal rechargeable lithium battery
	DC 5.0V via USB port
Modulation	GFSK, π/4DQPSK, 8DPSK
Bluetooth Version	Bluetooth 2.1+ EDR
Antenna Type and Gain	PCB Antenna, 0dBi

Table 3: RF Channel and Frequency of Bluetooth

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
00	2402.00	20	2422.00	40	2442.00	60	2462.00
01	2403.00	21	2423.00	41	2443.00	61	2463.00
02	2404.00	22	2424.00	42	2444.00	62	2464.00
03	2405.00	23	2425.00	43	2445.00	63	2465.00
04	2406.00	24	2426.00	44	2446.00	64	2466.00
05	2407.00	25	2427.00	45	2447.00	65	2467.00
06	2408.00	26	2428.00	46	2448.00	66	2468.00
07	2409.00	27	2429.00	47	2449.00	67	2469.00
08	2410.00	28	2430.00	48	2450.00	68	2470.00
09	2411.00	29	2431.00	49	2451.00	69	2471.00
10	2412.00	30	2432.00	50	2452.00	70	2472.00
11	2413.00	31	2433.00	51	2453.00	71	2473.00
12	2414.00	32	2434.00	52	2454.00	72	2474.00
13	2415.00	33	2435.00	53	2455.00	73	2475.00
14	2416.00	34	2436.00	54	2456.00	74	2476.00
15	2417.00	35	2437.00	55	2457.00	75	2477.00
16	2418.00	36	2438.00	56	2458.00	76	2478.00
17	2419.00	37	2439.00	57	2459.00	77	2479.00
18	2420.00	38	2440.00	58	2460.00	78	2480.00
19	2421.00	39	2441.00	59	2461.00	/	/

Table 4: Frequency Hopping Information

Technical Specification	Description
Hopping Range	Hereby we declare that the maximum frequency of this device is: 2402-2480MHz. This is according the Bluetooth Core Specification V2.1+EDR for devices which will be operated in the USA. This was checked during the Bluetooth Qualification tests (Test Case: TRM/CA/04-E).
Hopping Sequence	Example of a 79 hopping sequence in data mode: 33,04,21,44,23,42,53,46,55,48,40,59,72,29,76,31,08,73, 07,75,09,45,60,39,58,13,47,11,77,52,35,50,65,54,67,56, 69,62,71,64, 7,25,27,66,57,70,74,61,78,63,10,41,05,43, 15,44,64,68,02,70,06,01,51,03,55,05,03,66,53,49,36,47,
Receiver input bandwidth	The input bandwidth of the receiver is 1MHz. In every connection one Bluetooth device is the master and the other one is the slave. The master determines the hopping sequence. The slave follows this sequence. Both devices shift between RX and TX time slot according to the clock of the master. Additionally the type of connection is set up at the beginning of the connection. The master adapts its hopping frequency and its TX/RX timing according to the packet type of the connection. Also the slave of the connection will use these settings. Repeating of a packer has no influence on the hopping sequence. The hopping sequence generated by the master of the connection will be followed in any case. That means a repeated packet will not be send on the same frequency, it is send on the next frequency of the hopping sequence.

3.3 Independent Operation Modes

The basic operation modes are:

A. Bluetooth transmitting (BDR & EDR mode)
   1. Low Channel
   2. Middle Channel
   3. High Channel

B. Transmitting on hopping channel

C. Bluetooth receiving

D. AUX IN

E. Charging

F. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Bill of Material
- Block Diagram
- Circuit Diagram
- FCC Label and Location
- Operation Description
- Photo Document
- User Manual

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level.

The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.10: 2013 & ANSI C63.4: 2014

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

Description	Manufacturer	Part No.	S/N
Mobile phone	HUAWEI	P7-L00	7NZMYN151S027984
Notebook	Lenovo	ThinkPad X240	N/A

4.4 Countermeasures to Achieve EMC Compliance

The test sample, which has been tested, contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File.

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

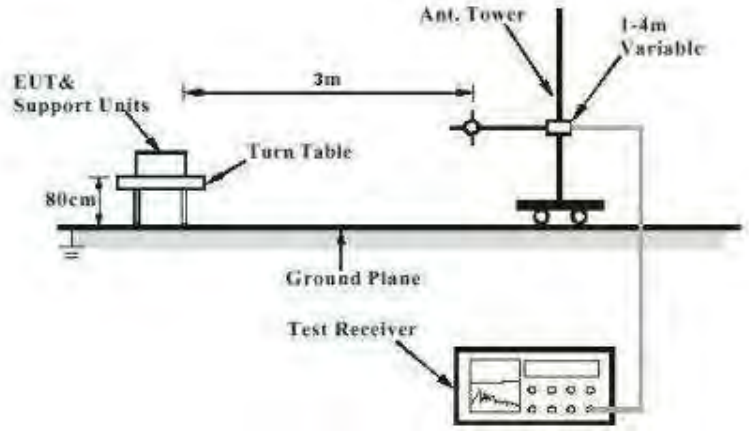


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

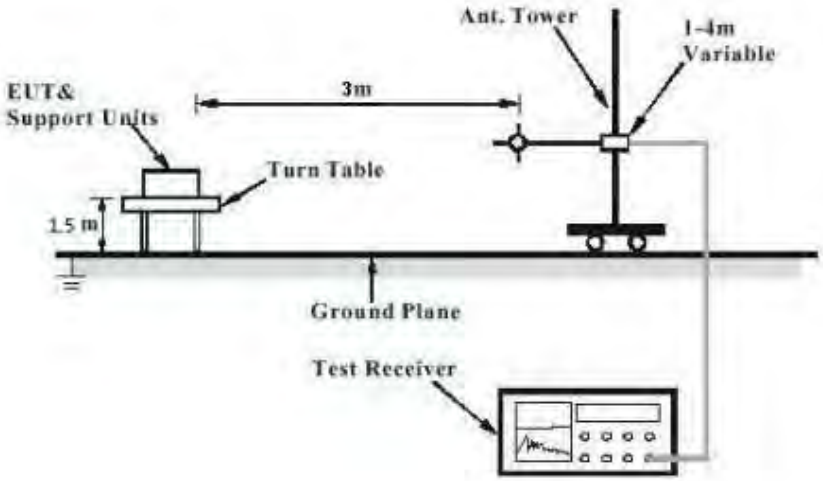


Diagram of Measurement Configuration for Mains Conduction Measurement

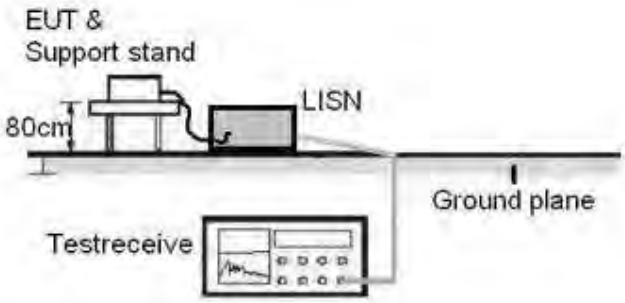
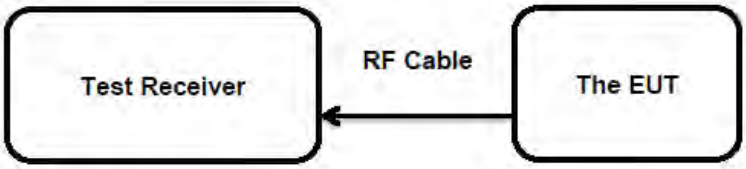


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(b)(4) and Part 15.203
Limits	:	the use of antennas with directional gains that do not exceed 6dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 0 dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

5.1.2 Peak Conducted Output Power

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(b)(1)
Basic standard	:	ANSI C63.10: 2013
Limits	:	0.125 Watts
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	30.07.2015
Input voltage	:	DC 3.7V via Internal rechargeable lithium battery
Operation mode	:	A
Test channel	:	Low / Middle/ High
Ambient temperature	:	25℃
Relative humidity	:	56%
Atmospheric pressure	:	101 kPa

Table 5: Test Result of Peak Conducted Output Power, BDR

Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2402	-0.65	0.00086	0.125
Middle Channel	2441	-0.92	0.00081	0.125
High Channel	2480	-1.41	0.00072	0.125

Remark: RBW is 1MHz

Table 6: Test Result of Peak Conducted Output Power, EDR

Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2402	-0.43	0.00091	0.125
Middle Channel	2441	-0.75	0.00084	0.125
High Channel	2480	-1.21	0.00076	0.125

Remark: RBW is 3MHz

For the measurement records, refer to following test plot:

5.1.3 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(d)
Basic standard	:	ANSI C63.10: 2013
Limits	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	30.07.2015
Input voltage	:	DC 3.7V via Internal rechargeable lithium battery
Operation mode	:	A
Test channel	:	Low / Middle/ High
Ambient temperature	:	25℃
Relative humidity	:	56%
Atmospheric pressure	:	101 kPa

All emissions are more than 20dB below fundamental, compliance is achieved as well.

For the measurement records, refer to the appendix 1.

5.1.4 Radiated Spurious Emission

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(d), FCC Part 15.205
Basic standard	:	ANSI C63.10: 2013
Limits	:	Refer to 15.209(a) of FCC part 15.247(d)
Kind of test site	:	3m Semi-anechoic chamber

Test Setup

Date of testing	:	21.07.2015 to 31.07.2015
Input voltage	:	DC 3.7V via Internal rechargeable lithium battery
Operation mode	:	A
Test channel	:	Low / Middle/ High
Ambient temperature	:	25℃
Relative humidity	:	56%
Atmospheric pressure	:	101 kPa

Remark:
During the pretest the EUT was rotated through three orthogonal axes to determine the attitude that maximizes the emissions. After that the EUT was manually handled to find the orientation that has the maximum emission, which is the orientation shown in the test set-up photos.

Pre-test the EUT in continuous transmitting mode at the low (2402 MHz), middle (2441 MHz) and high (2480 MHz) channel with different data packet. Compliance test in continuous transmitting mode with BDR mode (DH5) as the worst case was found.

Testing was carried out within frequency range 9kHz to the tenth harmonics.

For the measurement records, refer to the appendix 1.

5.1.5 20dB Bandwidth

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(a)(1)
Basic standard	:	ANSI C63.10: 2013
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	30.07.2015
Input voltage	:	DC 3.7V via Internal rechargeable lithium battery
Operation mode	:	A
Test channel	:	Low / Middle/ High
Ambient temperature	:	25℃
Relative humidity	:	56%
Atmospheric pressure	:	101 kPa

Table 7: Test Result of 20dB Bandwidth, BDR mode

Channel	Channel Frequency (MHz)	20dB Bandwidth (kHz)	2/3 of 20dB Bandwidth (kHz)	Limit (MHz)	Result
Low Channel	2402	651.2	434.133	/	Pass
Middle Channel	2441	659.9	439.933	/	Pass
High Channel	2480	681.6	454.400	/	Pass

Table 8: Test Result of 20dB Bandwidth, EDR mode

Channel	Channel Frequency (MHz)	20dB Bandwidth (kHz)	2/3 of 20dB Bandwidth (kHz)	Limit (MHz)	Result
Low Channel	2402	1198.2	798.800	/	Pass
Middle Channel	2441	1185.2	790.133	/	Pass
High Channel	2480	1198.3	798.867	/	Pass

5.1.6 Carrier Frequency Separation

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(a)(1)
Basic standard	:	ANSI C63.10: 2013
Limits	:	≥ 25kHz or 2/3 of 20dB bandwidth, whichever is greater
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	30.07.2015
Input voltage	:	DC 3.7V via Internal rechargeable lithium battery
Operation mode	:	B.
Test channel	:	Low / Middle/ High
Ambient temperature	:	25℃
Relative humidity	:	56%
Atmospheric pressure	:	101 kPa

Table 9: Test Result of Carrier Frequency Separation

Channel	Channel Frequency (MHz)	Measured Channel Separation (KHz)	Limit (kHz)	Result
Low Channel	2402	1000.0	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2403			
Middle Channel	2441	1000.0		Pass
Adjacency Channel	2442			
High Channel	2480	1000.0		Pass
Adjacency Channel	2479			

Note:

The limit is maximum 2/3 of the 20 dB bandwidth: 798.867 KHz.

5.1.7 Number of Hopping Frequency

RESULT: **Pass**

Test Specification

Test standard	:	FCC part 15.247(a)(1)(iii)
Basic standard	:	ANSI C63.10: 2013
Limits	:	≥ 15 non-overlapping channels
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	30.07.2015
Input voltage	:	DC 3.7V via Internal rechargeable lithium battery
Operation mode	:	B
Ambient temperature	:	25℃
Relative humidity	:	56%
Atmospheric pressure	:	101 kPa

Table 10: Test Result of Number of Hopping Frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2402 to 2480 MHz	79	≥15	Pass

5.1.8 Time of Occupancy

RESULT: **Pass**

Test Specification

Test standard	:	FCC part 15.247(a)(1)(iii)
Basic standard	:	ANSI C63.10: 2013
Limits	:	0.4s
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	30.07.2015
Input voltage	:	DC 3.7V via Internal rechargeable lithium battery
Test channel	:	Low / Middle/ High
Operation mode	:	A.
Ambient temperature	:	25℃
Relative humidity	:	56%
Atmospheric pressure	:	101 kPa

Table 11: Test Result of Time of Occupancy, BDR mode

Channel	Data Mode	Pulse width (ms)	Measured Dwell time(s)	Limit (s)	Result
Low Channel	1DH1	0.42	0.134	0.4	Pass
	1DH3	1.84	0.294	0.4	Pass
	1DH5	2.91	0.310	0.4	Pass
Middle Channel	1DH1	0.44	0.141	0.4	Pass
	1DH3	1.84	0.294	0.4	Pass
	1DH5	2.93	0.313	0.4	Pass
High Channel	1DH1	0.42	0.134	0.4	Pass
	1DH3	1.86	0.298	0.4	Pass
	1DH5	2.96	0.316	0.4	Pass

Table 12: Test Result of Time of Occupancy, EDR mode

Channel	Data Mode	Pulse width (ms)	Measured Dwell time (s)	Limit (s)	Result
Low Channel	3DH1	0.43	0.138	0.4	Pass
	3DH3	1.84	0.294	0.4	Pass
	3DH5	2.93	0.313	0.4	Pass
Middle Channel	3DH1	0.41	0.131	0.4	Pass
	3DH3	1.90	0.304	0.4	Pass
	3DH5	2.93	0.313	0.4	Pass
High Channel	3DH1	0.43	0.138	0.4	Pass
	3DH3	1.84	0.294	0.4	Pass
	3DH5	3.10	0.331	0.4	Pass

Note:

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

Period = 0.4 (seconds/ channel) x 79 (channel) = 31.6 seconds

5.1.9 Conducted Emissions

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.207(a) & FCC Part 15.107(a)
Basic standard	:	ANSI C63.10: 2013 & ANSI C63.4: 2014
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207(a) & FCC Part 15.107(a)
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	31.07.2015
Input voltage	:	AC 120V, 60Hz via AC input of Notebook
Operation mode	:	C, D, E
Earthing	:	Not connected
Ambient temperature	:	25℃
Relative humidity	:	56%
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix 1.

5.1.10 Radiated Emission

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.109(a)
Basic standard	:	ANSI C63.4: 2014
Frequency range	:	30 - 6000MHz
Classification	:	Class B
Limits	:	FCC Part 15.109(a)
Kind of test site	:	3m Semi-anechoic chamber

Test Setup

Date of testing	:	18.07.2015 to 31.07.2015
Input voltage	:	AC 120V, 60Hz via AC input of Notebook
Operation mode	:	C, D, E
Earthing	:	Not connected
Ambient temperature	:	Refer to Appendix 1
Relative humidity	:	Refer to Appendix 1
Atmospheric pressure	:	Refer to Appendix 1

For the measurement records, refer to the appendix 1.

6 Safety Human Exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT: **Pass**

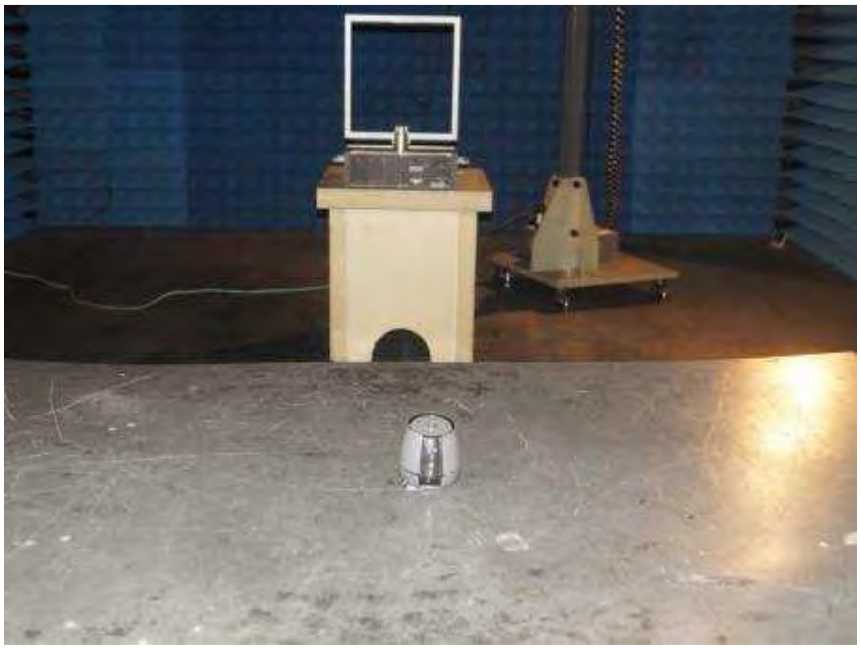
Test Specification

Test standard : FCC KDB Publication 447498 v05r02

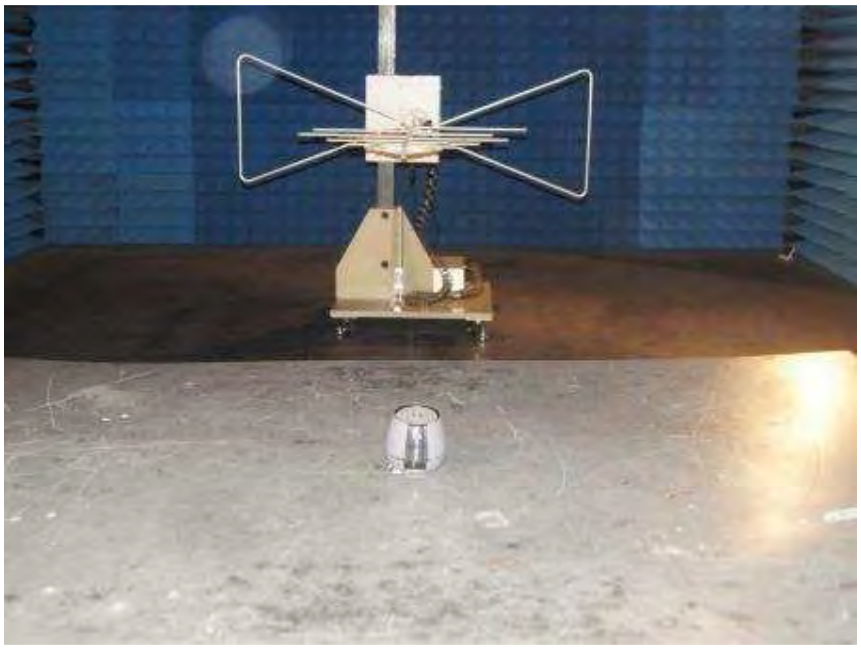
The minimum distance for the EUT is 5mm, since maximum peak output power of the transmitter is 0.91 mW <10 mW, hence the EUT is excluded from SAR evaluation according to FCC KDB Publication 447498 D01 General RF Exposure Guidance v05r02

7 Photographs of the Test Set-Up

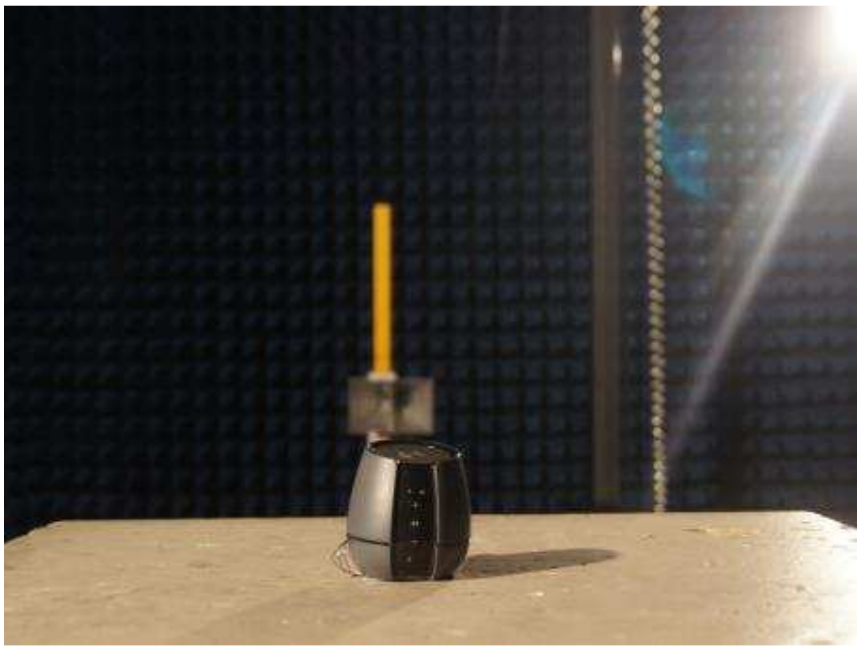
Photograph 1: Set-up for Radiated Spurious Emissions (9kHz - 30MHz)



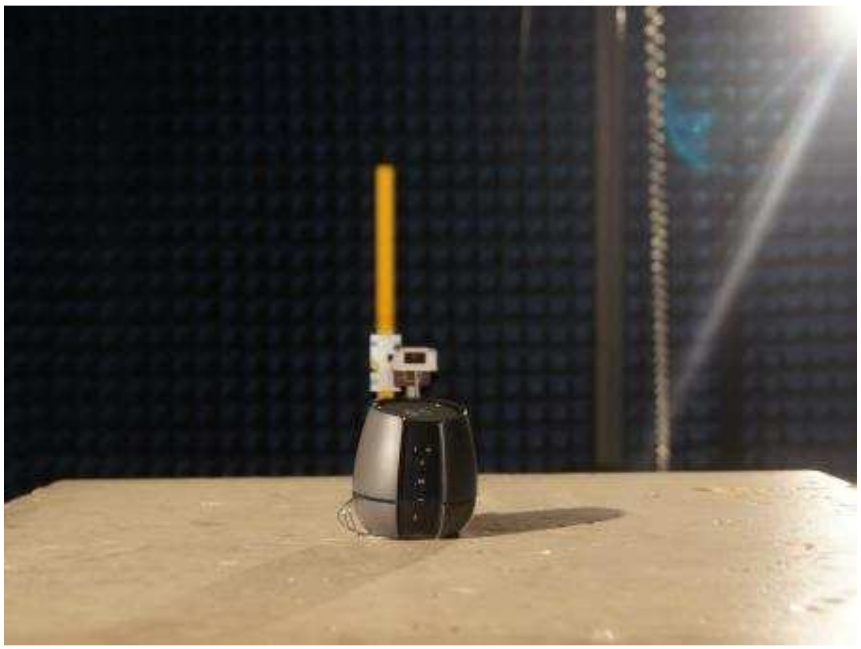
Photograph 2: Set-up for Radiated Spurious Emissions (30MHz-1GHz)



Photograph 3: Set-up for Radiated Spurious Emissions (1GHz ~ 18GHz)

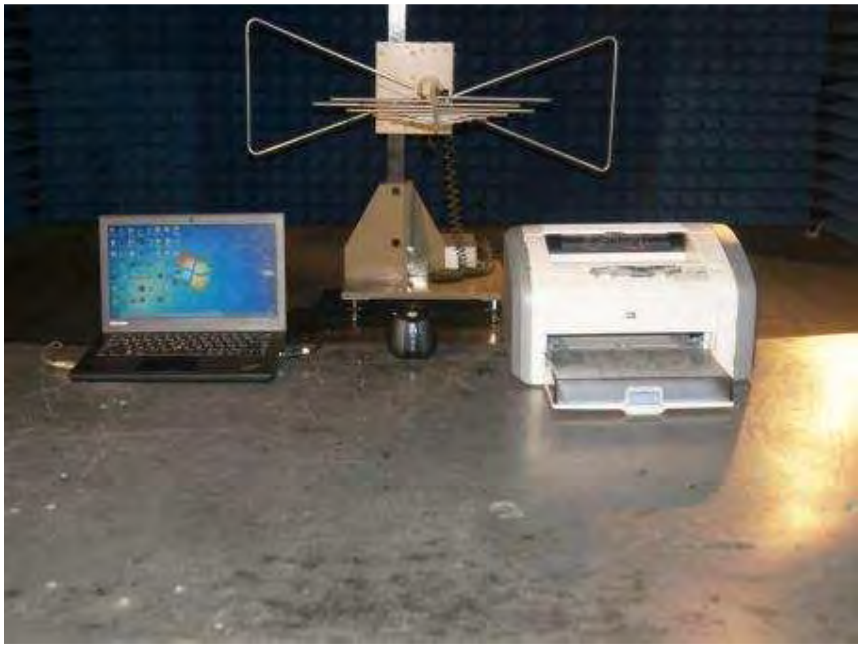


Photograph 4: Set-up for Radiated Spurious Emissions (18GHz ~ 26GHz)

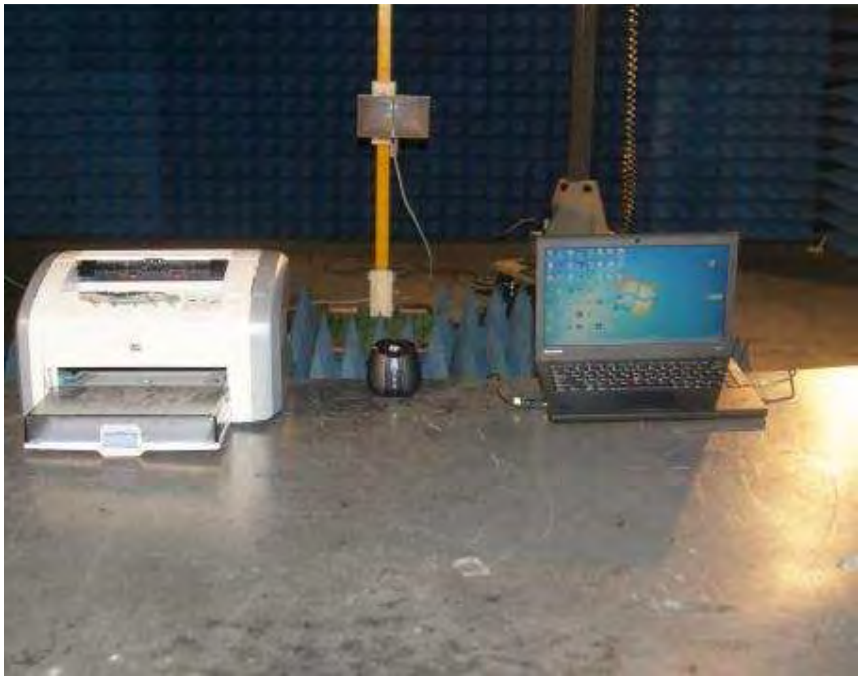


Photograph 5: Set-up for Conducted Emissions

Photograph 6: Set-up for Radiated Emission (Below 1GHz)



Photograph 7: Set-up for Radiated Emission (Above 1GHz)



8 List of Tables

9 List of Photographs

List of Figures

Note: The product name HP Wireless Mini Speaker S6500 in test result is replaced by HP Wireless Speaker S6500.

Figure 1: Test figure of spurious emissions, mode A.1, Horizontal polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

```
EUT:                  HP Wireless Mini Speaker S6500 M/N:BC1101
Manufacturer:         Hewlett Packard
Operating Condition:  TX 2402MHz
Test Site:            2# Chamber
Operator:             LAN
Test Specification:   DC 3.7V
Comment:              X
Start of Test:        2015-7-25 /
```

SCAN TABLE: "LFRE Fin"

```
  Short Description:              _SUB_STD_VTERM2 1.70
  Start      Stop       Step      Detector  Meas.     IF      Transducer
  Frequency  Frequency  Width               Time      Bandw.
  9.0 kHz    150.0 kHz  100.0 Hz  QuasiPeak 1.0 s     200 Hz  1516M
  150.0 kHz  30.0 MHz   5.0 kHz   QuasiPeak 1.0 s     9 kHz   1516M
```

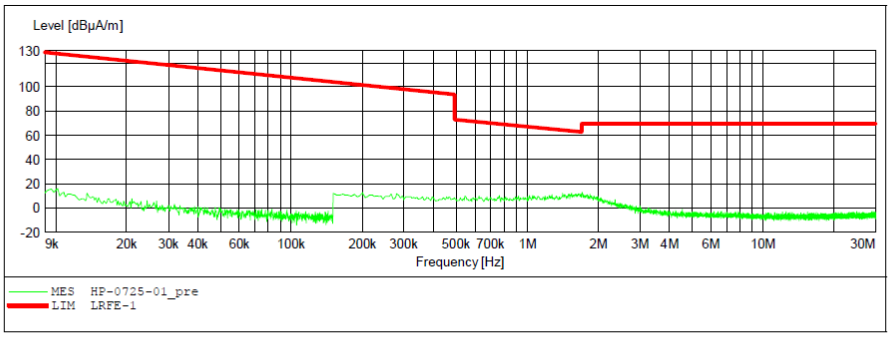


Figure 2: Test figure of spurious emissions, mode A.1, Vertical polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

```
EUT:                  HP Wireless Mini Speaker S6500 M/N:BC1101
Manufacturer:         Hewlett Packard
Operating Condition:  TX 2402MHz
Test Site:            2# Chamber
Operator:             LAN
Test Specification:   DC 3.7V
Comment:              Y
Start of Test:        2015-7-25 /
```

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

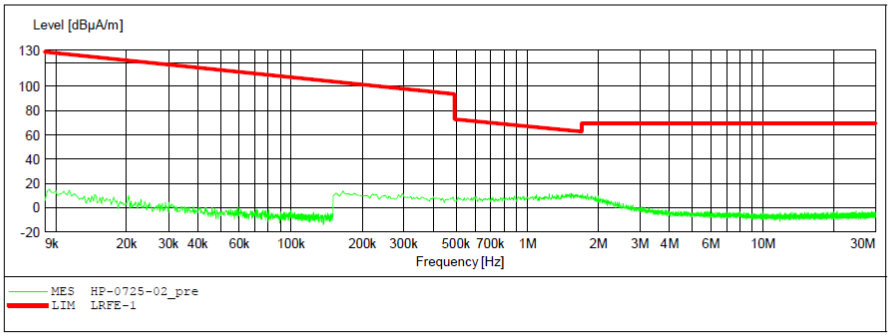
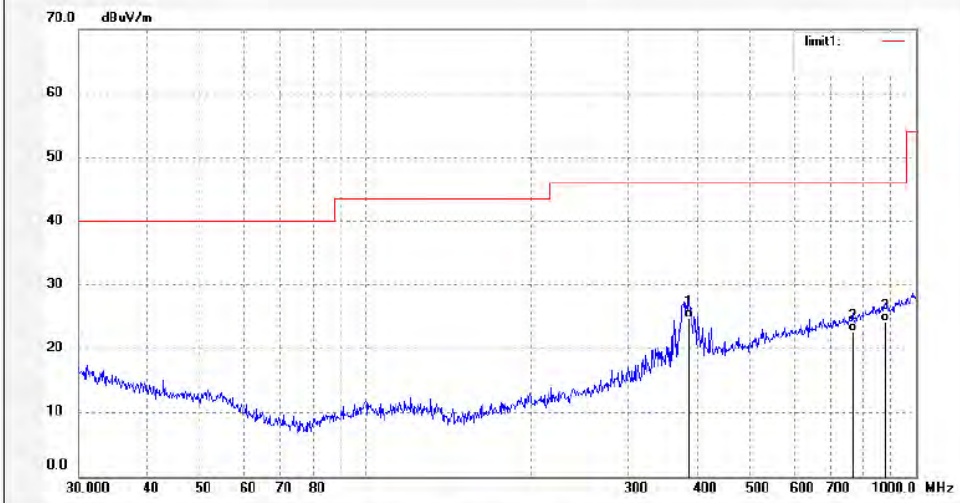


Figure 3: Test figure of spurious emissions, mode A.1, Horizontal polarity (30MHz – 1GHz)

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2015-2 #1347	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/25/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	385.2805	33.08	-8.28	24.80	46.00	-21.20	QP			
2	766.0571	24.45	-1.77	22.68	46.00	-23.32	QP			
3	878.3214	24.05	0.13	24.18	46.00	-21.82	QP			

Figure 4: Test figure of spurious emissions, mode A.1, Vertical polarity (30MHz – 1GHz)

ACCURATE TECHNOLOGY CO., LTD.
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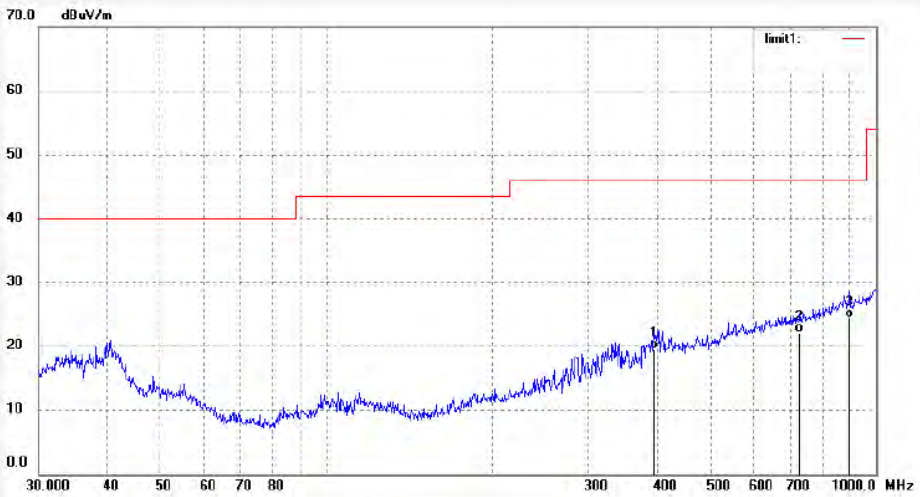
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2015-2 #1346	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/25/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	394.8544	27.53	-8.02	19.51	46.00	-26.49	QP			
2	726.8052	24.52	-2.39	22.13	46.00	-23.87	QP			
3	896.9964	24.20	0.27	24.47	46.00	-21.53	QP			

Figure 5: Test figure of spurious emissions, mode A.1, Horizontal polarity (1GHz –18GHz)

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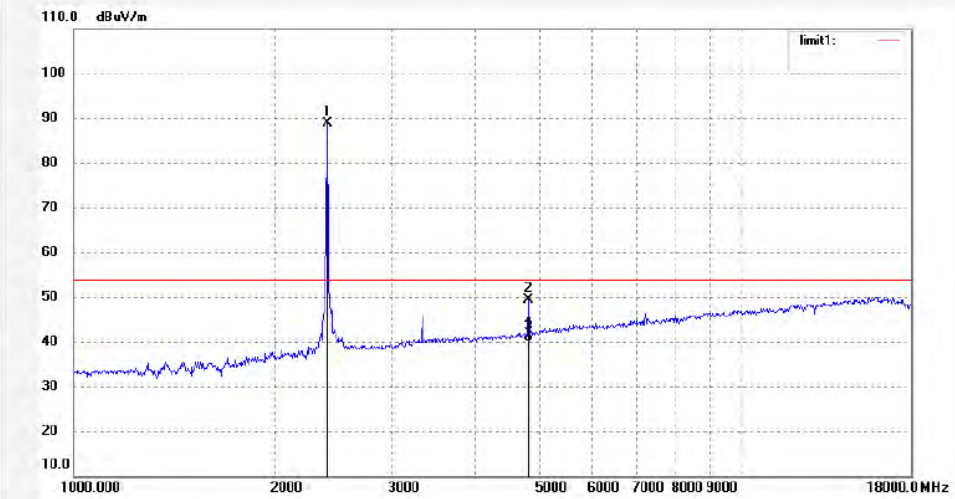
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015-2 #1314	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/21/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	96.42	-7.45	88.97	/	/	peak			
2	4804.023	49.70	-0.30	49.40	74.00	-24.60	peak			
3	4804.023	40.25	-0.30	39.95	54.00	-14.05	AVG			

Figure 6: Test figure of spurious emissions, mode A.1, Vertical polarity (1GHz – 18GHz)

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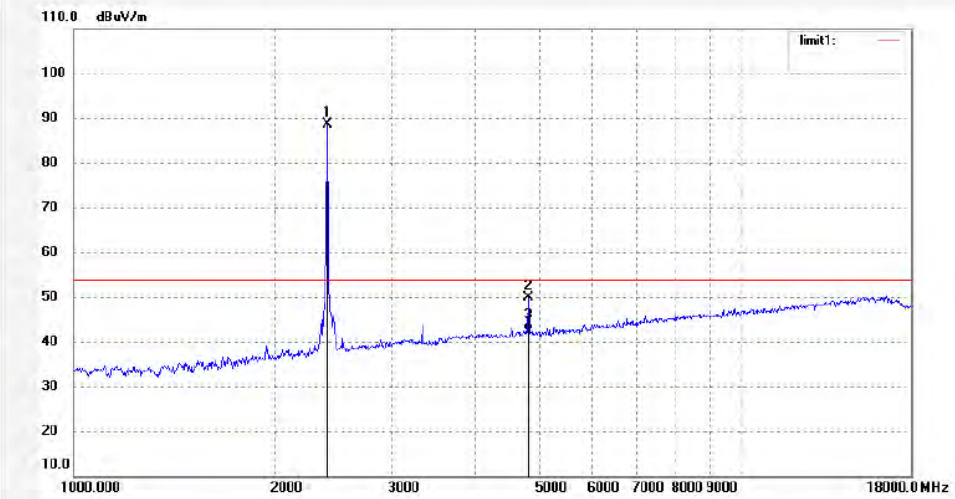
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015-2 #1313
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: HP Wireless Mini Speaker S6500
Mode: TX 2402MHz
Model: BC1101
Manufacturer: Hewlett Packard

Polarization: Vertical
Power Source: DC 3.7V
Date: 15/07/21/
Time:
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	96.00	-7.45	88.55	/	/	peak			
2	4804.021	50.14	-0.30	49.84	74.00	-24.16	peak			
3	4804.021	42.58	-0.30	42.28	54.00	-11.72	AVG			

Figure 7: Test figure of spurious emissions, mode A.1, Horizontal polarity (18GHz –25GHz)

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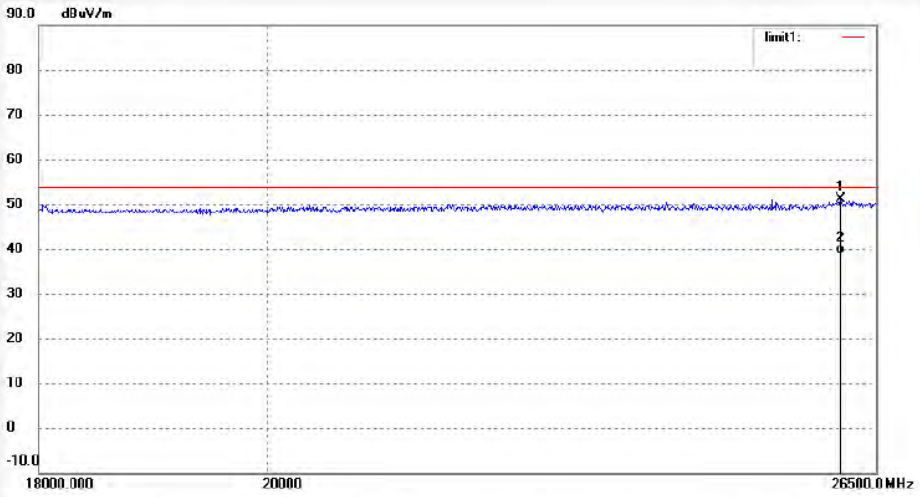
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2015-2 #1378	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/31/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26072.999	34.67	16.50	51.17	74.00	-22.83	peak			
2	26072.999	22.35	16.50	38.85	54.00	-15.15	AVG			

Figure 8: Test figure of spurious emissions, mode A.1, Vertical polarity (18GHz – 25GHz)

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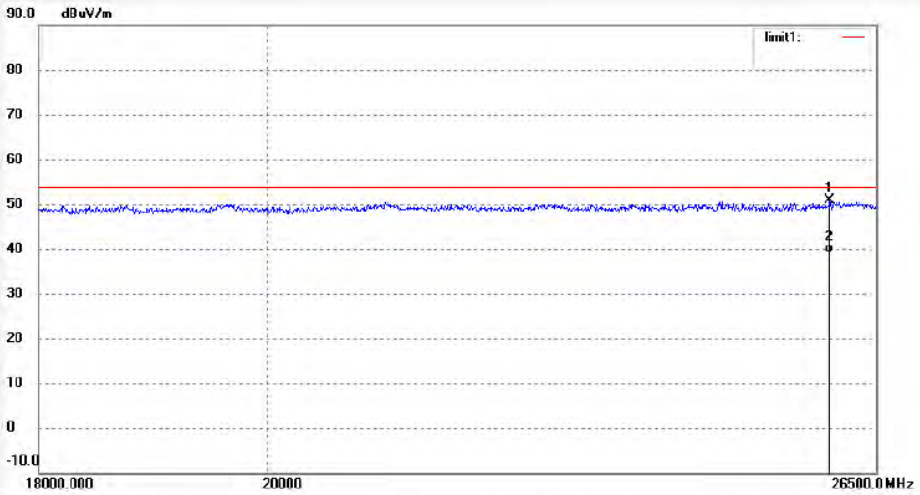
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2015-2 #1377	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/31/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25942.232	34.48	16.50	50.98	74.00	-23.02	peak			
2	25942.232	22.53	16.50	39.03	54.00	-14.97	AVG			

Figure 9: Test figure of spurious emissions, mode A.2, Horizontal polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

```
EUT:                  HP Wireless Mini Speaker S6500 M/N:BC1101
Manufacturer:         Hewlett Packard
Operating Condition:  TX 2441MHz
Test Site:            2# Chamber
Operator:             LAN
Test Specification:   DC 3.7V
Comment:              X
Start of Test:        2015-7-25 /
```

SCAN TABLE: "LFRE Fin"

```
  Short Description:                _SUB_STD_VTERM2 1.70
  Start      Stop       Step       Detector  Meas.     IF      Transducer
  Frequency  Frequency  Width                Time      Bandw.
  9.0 kHz    150.0 kHz  100.0 Hz   QuasiPeak 1.0 s     200 Hz  1516M
  150.0 kHz  30.0 MHz   5.0 kHz    QuasiPeak 1.0 s     9 kHz   1516M
```

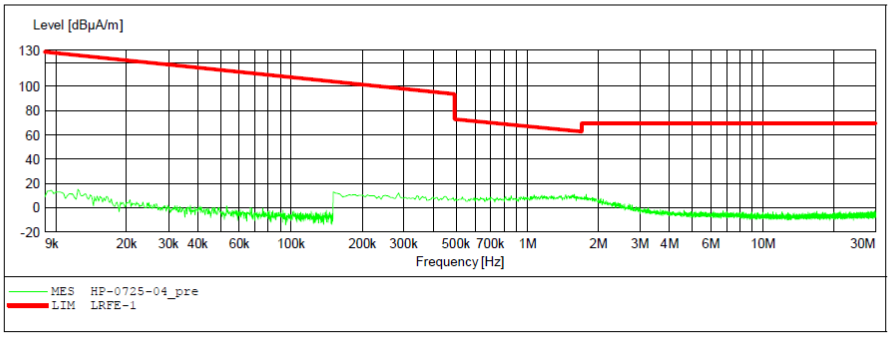


Figure 10: Test figure of spurious emissions, mode A.2, Vertical polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

```
EUT:                  HP Wireless Mini Speaker S6500 M/N:BC1101
Manufacturer:         Hewlett Packard
Operating Condition:  TX 2441MHz
Test Site:            2# Chamber
Operator:             LAN
Test Specification:   DC 3.7V
Comment:              Y
Start of Test:        2015-7-25 /
```

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

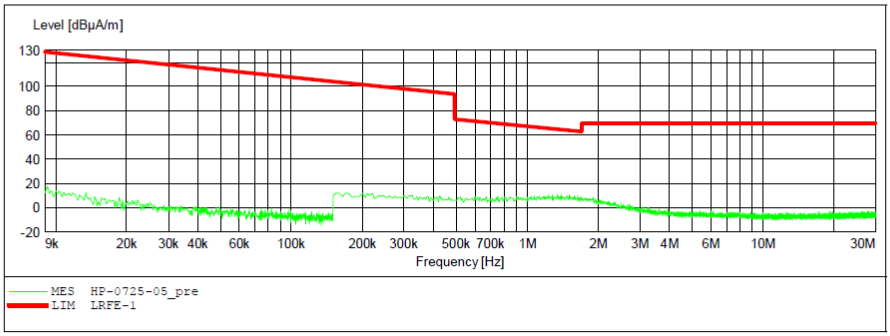


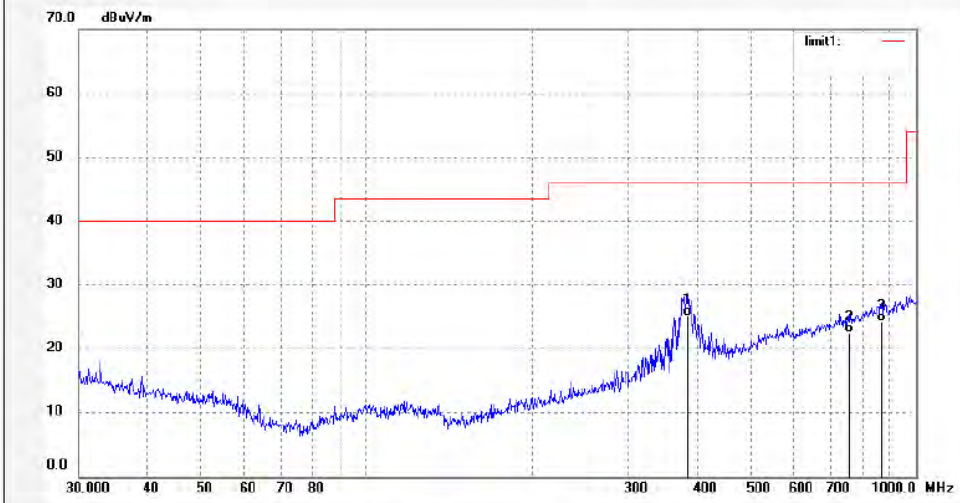
Figure 11: Test figure of spurious emissions, mode A.2, Horizontal polarity (30MHz – 1GHz)

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

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2015-2 #1348	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/25/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



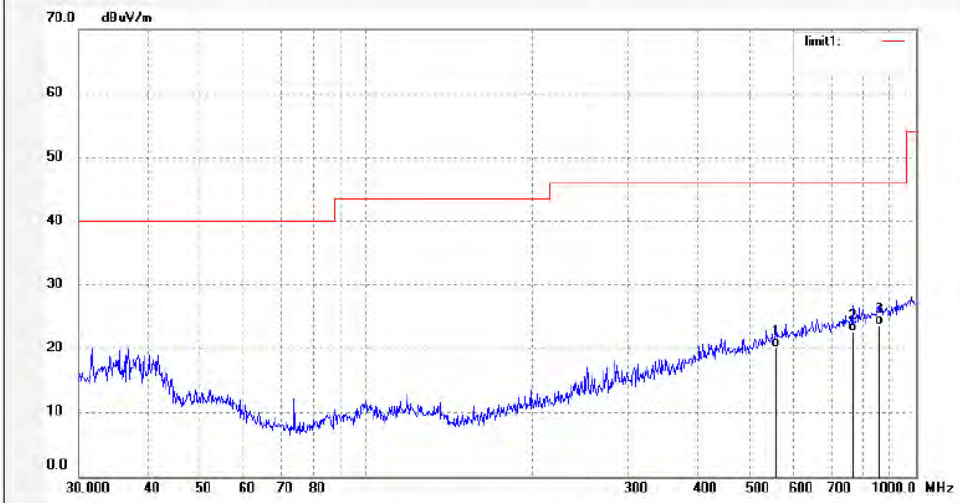
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	383.9318	33.48	-8.30	25.18	46.00	-20.82	QP			
2	755.3872	24.40	-1.96	22.44	46.00	-23.56	QP			
3	866.0878	24.22	0.03	24.25	46.00	-21.75	QP			

Figure 12: Test figure of spurious emissions, mode A.2, Vertical polarity (30MHz – 1GHz)

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2015-2 #1349	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/25/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	556.7744	24.77	-4.48	20.29	46.00	-25.71	QP			
2	766.0571	24.40	-1.77	22.63	46.00	-23.37	QP			
3	860.0352	23.78	-0.14	23.64	46.00	-22.36	QP			

Figure 13: Test figure of spurious emissions, mode A.2, Horizontal polarity (1GHz – 18GHz)

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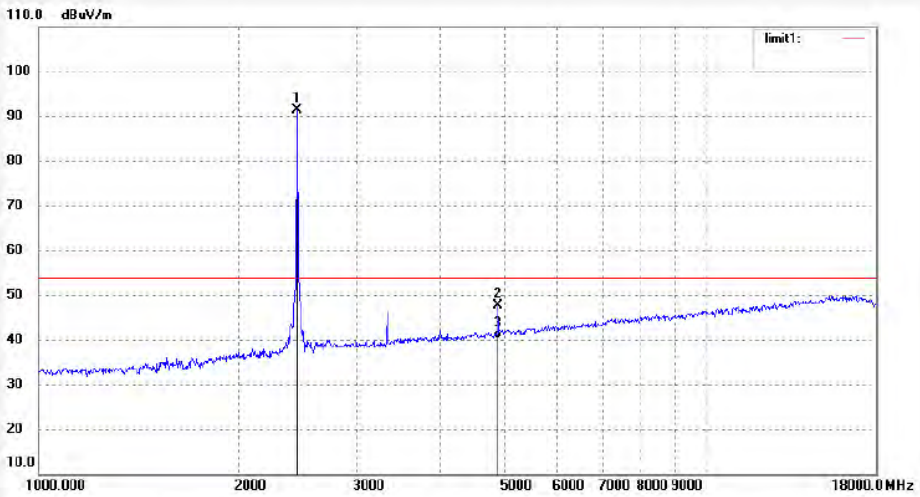
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015-2 #1318	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/21/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



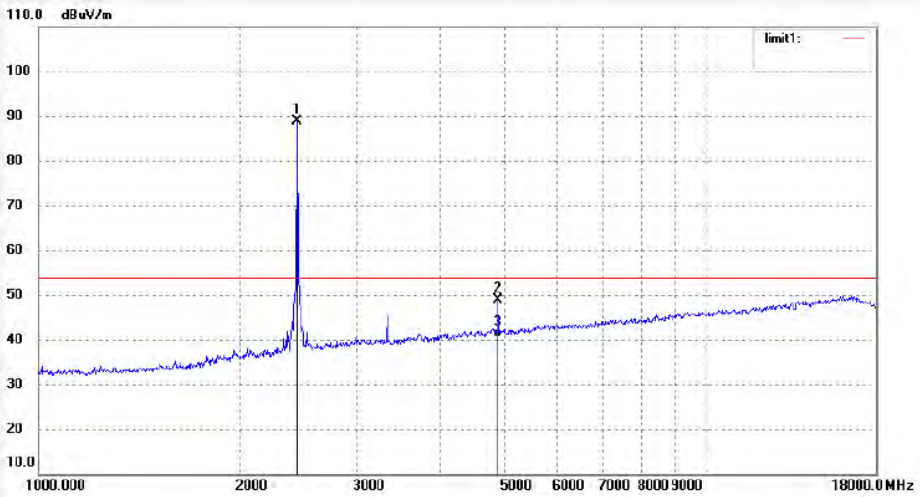
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	98.64	-7.35	91.29	/	/	peak			
2	4882.023	47.38	0.14	47.52	74.00	-26.48	peak			
3	4882.023	40.01	0.14	40.15	54.00	-13.85	AVG			

Figure 14: Test figure of spurious emissions, mode A.2, Vertical polarity (1GHz – 18GHz)

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015-2 #1317	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/21/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



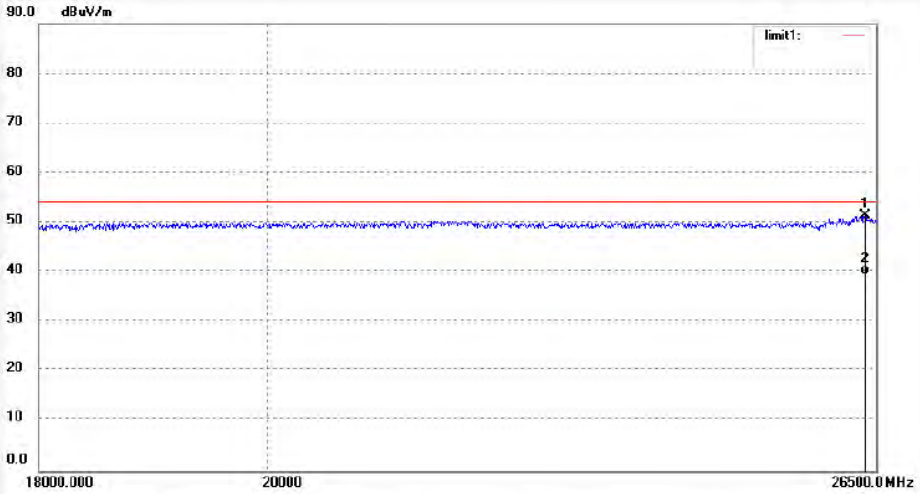
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	96.35	-7.35	89.00	/	/	peak			
2	4882.025	48.79	0.14	48.93	74.00	-25.07	peak			
3	4882.025	40.15	0.14	40.29	54.00	-13.71	AVG			

Figure 15: Test figure of spurious emissions, mode A.2, Horizontal polarity (18GHz – 25GHz)

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2015-2 #1379	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/31/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26368.112	34.86	16.50	51.36	74.00	-22.64	peak			
2	26368.112	23.09	16.50	39.59	54.00	-14.41	AVG			

Figure 16: Test figure of spurious emissions, mode A.2, Vertical polarity (18GHz – 25GHz)

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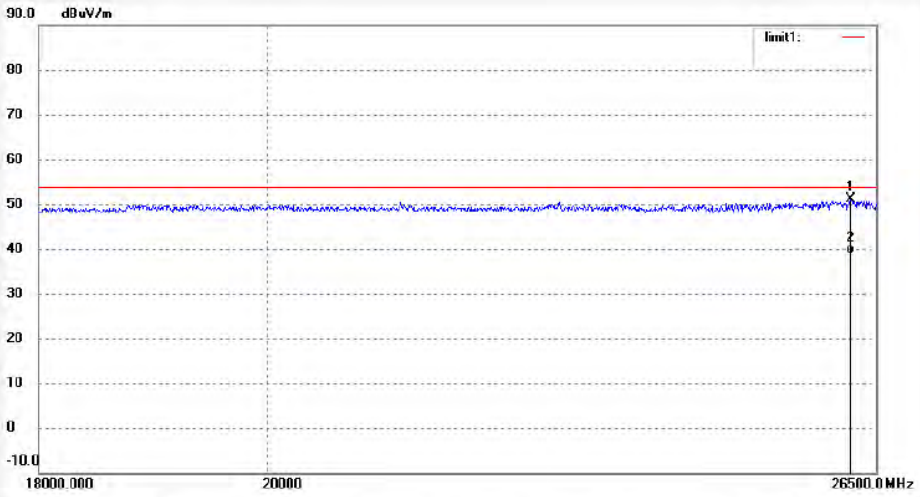
Fax:+86-0755-26503396

Job No.: LAN2015-2 #1380	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/31/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26194.292	34.70	16.50	51.20	74.00	-22.80	peak			
2	26194.292	22.42	16.50	38.92	54.00	-15.08	AVG			

Figure 17: Test figure of spurious emissions, mode A.3, Horizontal polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

```
EUT:                  HP Wireless Mini Speaker S6500 M/N:BC1101
Manufacturer:         Hewlett Packard
Operating Condition:  TX 2480MHz
Test Site:            2# Chamber
Operator:             LAN
Test Specification:   DC 3.7V
Comment:              X
Start of Test:        2015-7-25 /
```

SCAN TABLE: "LFRE Fin"

```
  Short Description:                _SUB_STD_VTERM2 1.70
  Start      Stop       Step       Detector  Meas.     IF      Transducer
  Frequency  Frequency  Width                Time      Bandw.
  9.0 kHz    150.0 kHz  100.0 Hz   QuasiPeak 1.0 s     200 Hz  1516M
  150.0 kHz  30.0 MHz   5.0 kHz    QuasiPeak 1.0 s     9 kHz   1516M
```

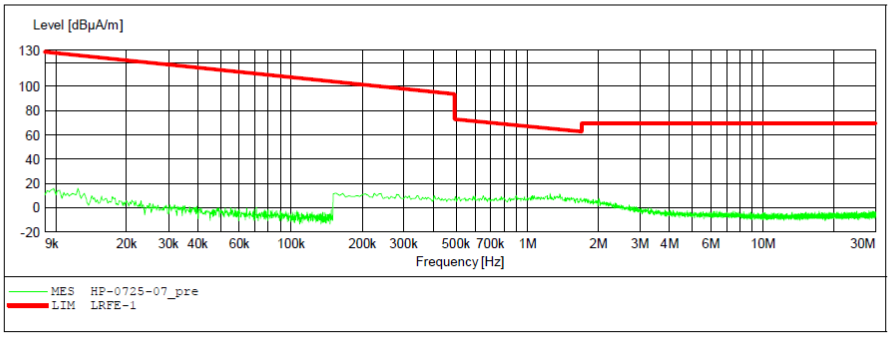


Figure 18: Test figure of spurious emissions, mode A.3, Vertical polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

```
EUT:                  HP Wireless Mini Speaker S6500 M/N:BC1101
Manufacturer:         Hewlett Packard
Operating Condition:  TX 2480MHz
Test Site:            2# Chamber
Operator:             LAN
Test Specification:   DC 3.7V
Comment:              Y
Start of Test:        2015-7-25 /
```

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

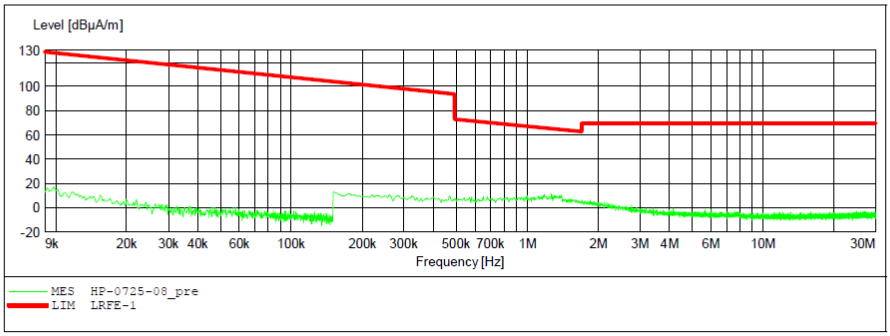


Figure 19: Test figure of spurious emissions, mode A.3, Horizontal polarity (30MHz – 1GHz)

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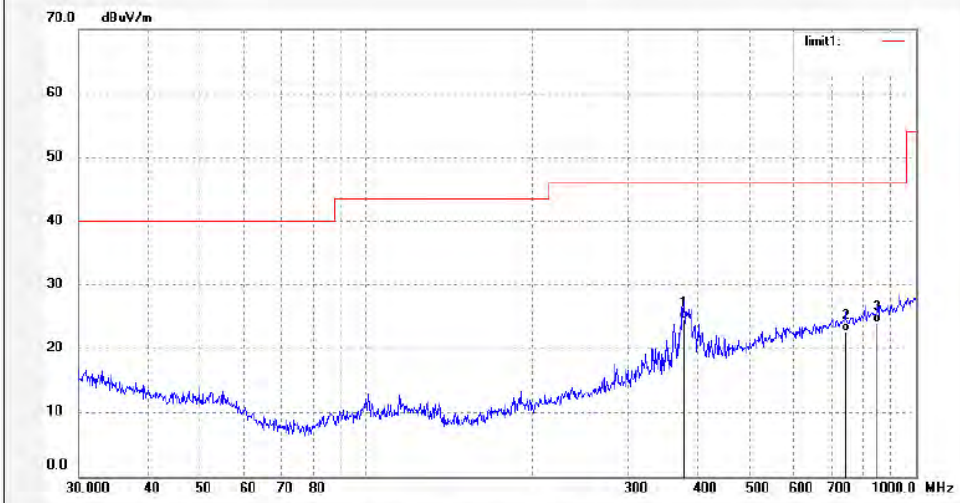
Job No.: LAN2015-2 #1351	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/25/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	378.5842	33.02	-8.37	24.65	46.00	-21.35	QP			
2	744.8660	24.84	-2.11	22.73	46.00	-23.27	QP			
3	851.0353	24.35	-0.28	24.07	46.00	-21.93	QP			

Figure 20: Test figure of spurious emissions, mode A.3, Vertical polarity (30MHz – 1GHz)

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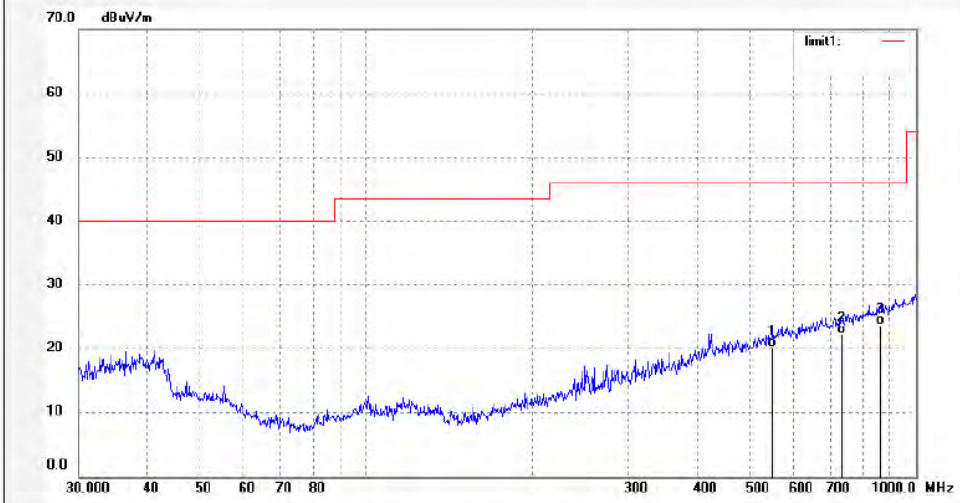
Job No.: LAN2015-2 #1350	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/25/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	549.0193	24.82	-4.65	20.17	46.00	-25.83	QP			
2	731.9202	24.56	-2.33	22.23	46.00	-23.77	QP			
3	863.0561	23.83	-0.04	23.79	46.00	-22.21	QP			

Figure 21: Test figure of spurious emissions, mode A.3, Horizontal polarity (1GHz –18GHz)

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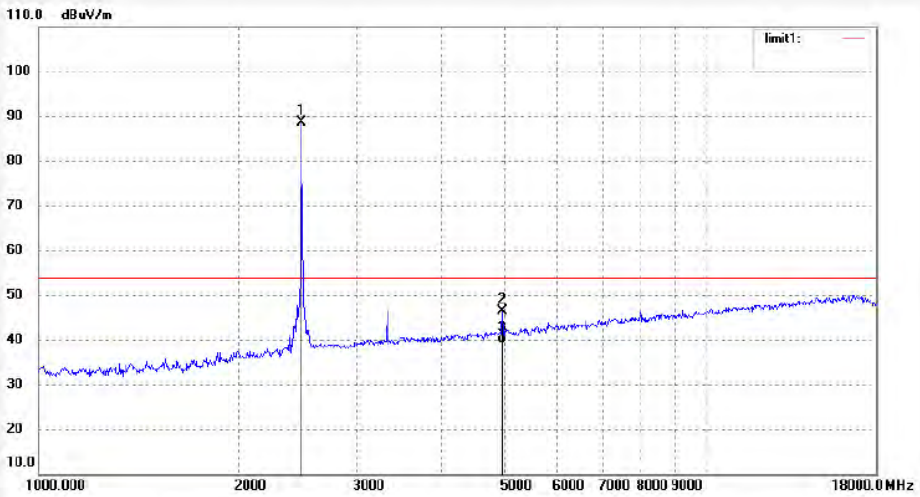
Job No.: Ian2015-2 #1319	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/21/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	96.04	-7.37	88.67	/	/	peak			
2	4960.012	45.81	0.52	46.33	74.00	-27.67	peak			
3	4960.012	38.71	0.52	39.23	54.00	-14.77	AVG			

Figure 22: Test figure of spurious emissions, mode A.3, Vertical polarity (1GHz – 18GHz)

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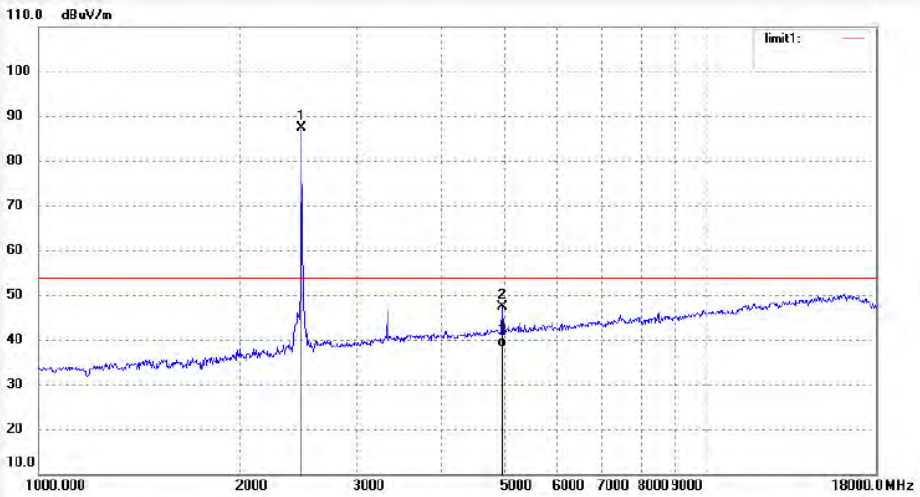
Job No.: Ian2015-2 #1320	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/21/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	94.83	-7.37	87.46	/	/	peak			
2	4960.027	46.86	0.52	47.38	74.00	-26.62	peak			
3	4960.027	37.84	0.52	38.36	54.00	-15.64	AVG			

Figure 23: Test figure of spurious emissions, mode A.3, Horizontal polarity (18GHz –25GHz)

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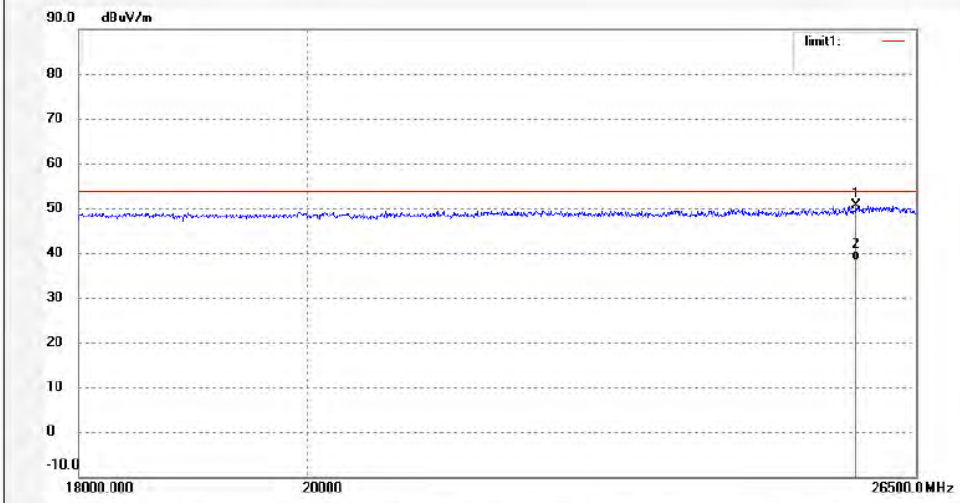
Job No.: LAN2015-2 #1382	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/31/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25772.218	34.08	16.50	50.58	74.00	-23.42	peak			
2	25772.218	21.83	16.50	38.33	54.00	-15.67	AVG			

Figure 24: Test figure of spurious emissions, mode A.3, Vertical polarity (18GHz – 25GHz)

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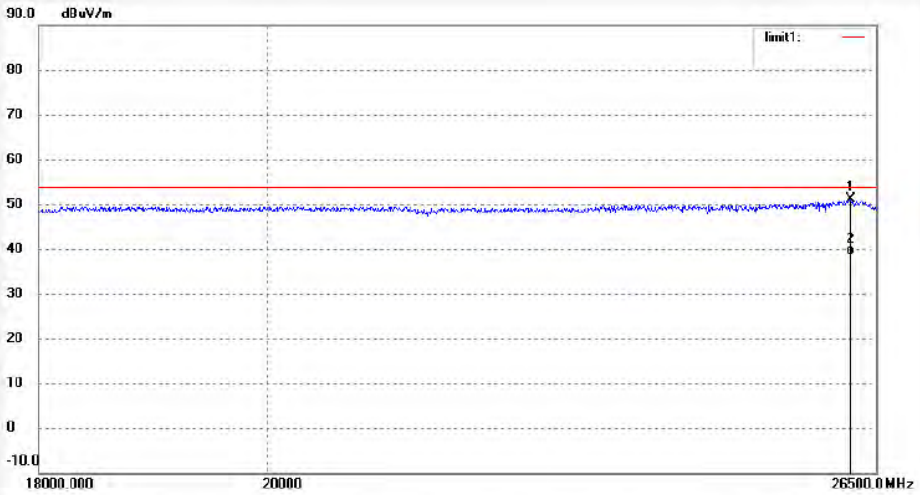
Job No.: LAN2015-2 #1381	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/31/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26194.292	34.68	16.50	51.18	74.00	-22.82	peak			
2	26194.292	22.17	16.50	38.67	54.00	-15.33	AVG			

Figure 25: Test figure of Radiated emissions in restricted bands, Mode A.1, Horizontal

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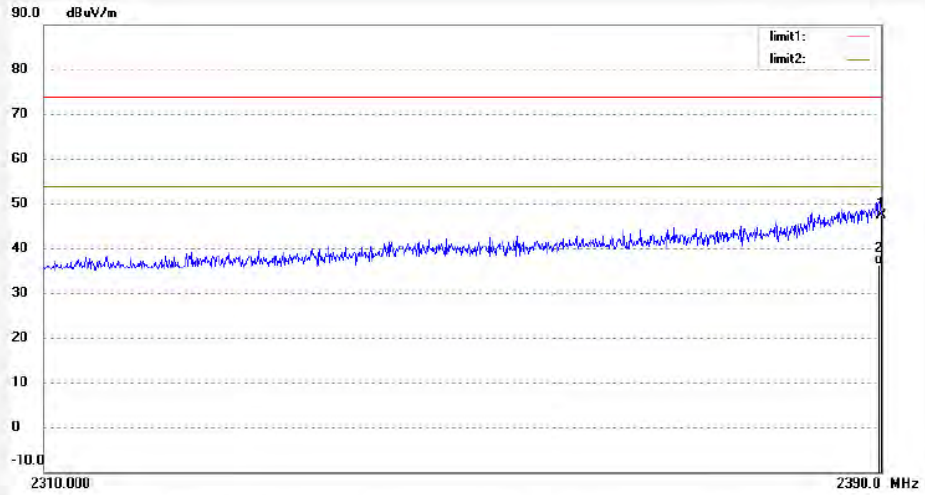
Job No.: Ian2015-2 #1426	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/21/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	54.82	-7.53	47.29	74.00	-26.71	peak			
2	2390.000	43.86	-7.53	36.33	54.00	-17.67	AVG			

Figure 26: Test figure of Radiated emissions in restricted bands, Mode A.1, Vertical

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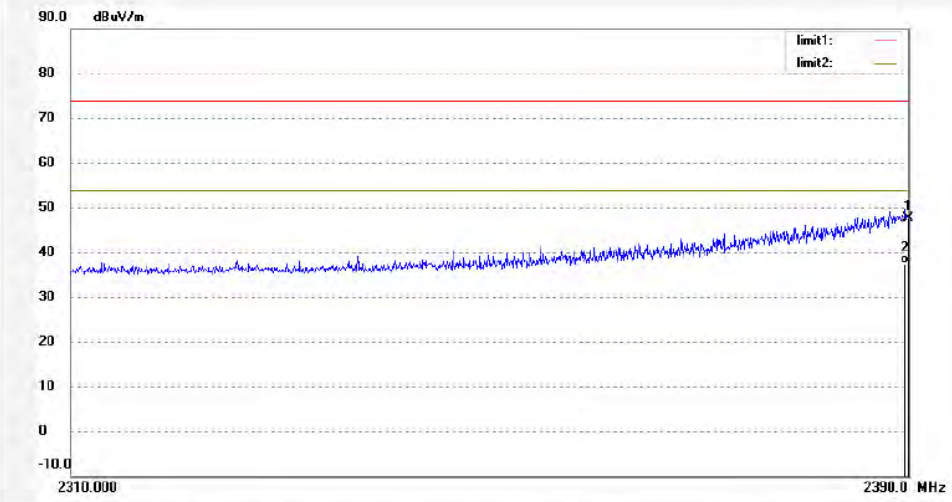
Job No.: Ian2015-2 #1425	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/21/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	55.27	-7.53	47.74	74.00	-26.26	peak			
2	2390.000	44.79	-7.53	37.26	54.00	-16.74	AVG			

Figure 27: Test figure of Radiated emissions in restricted bands, Mode A.3, Horizontal

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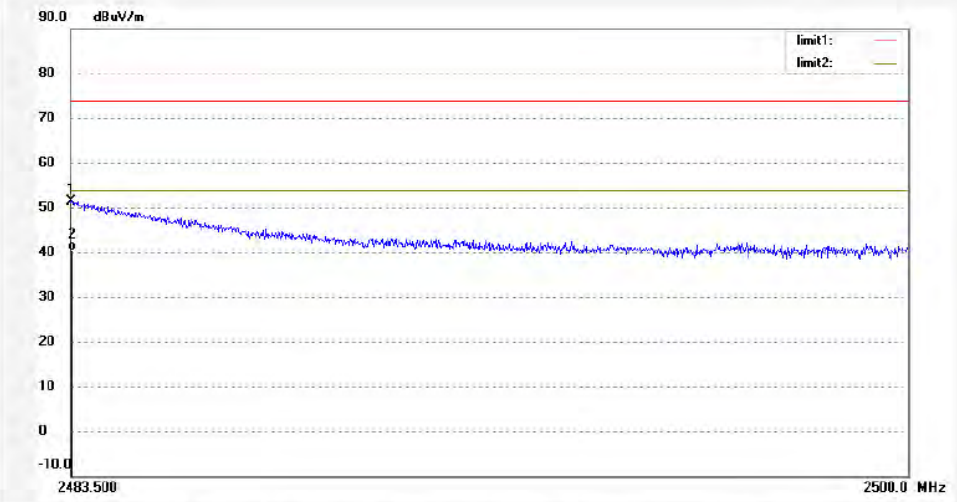
Fax:+86-0755-26503396

Job No.: Ian2015-2 #1427	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/21/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	58.77	-7.37	51.40	74.00	-22.60	peak			
2	2483.500	47.85	-7.37	40.48	54.00	-13.52	AVG			

Figure 28: Test figure of Radiated emissions in restricted bands, Mode A.3, Vertical

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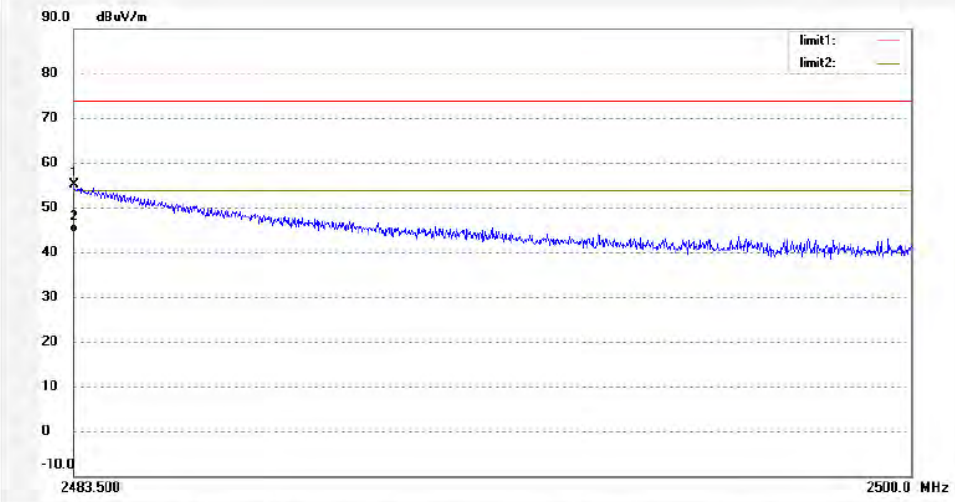
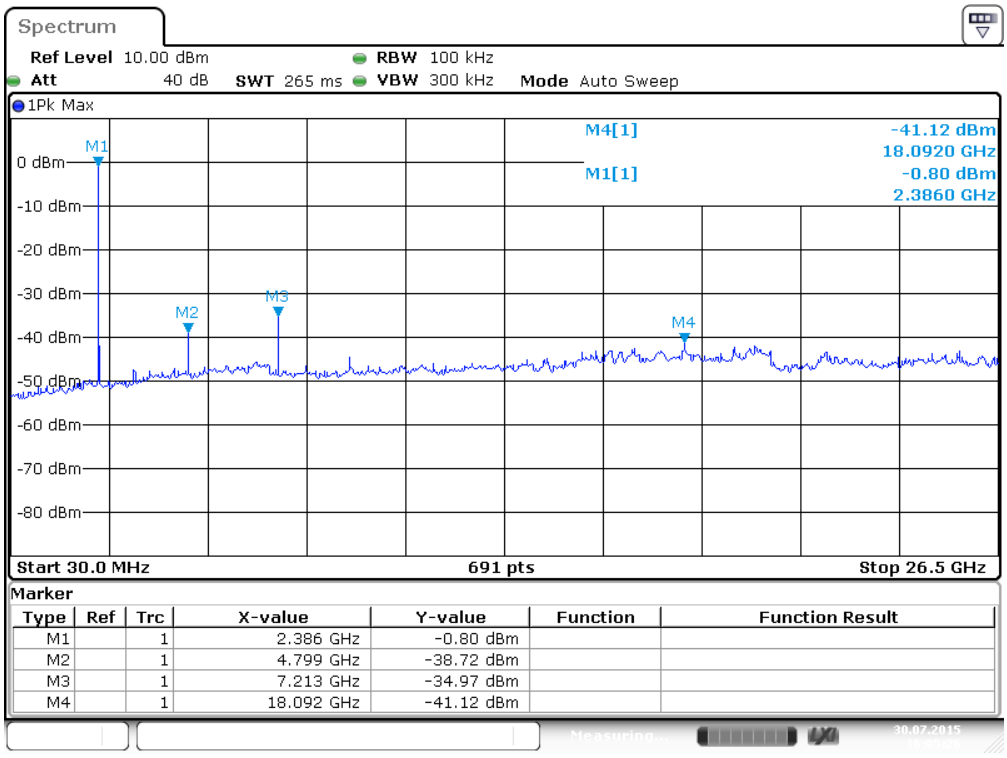
Job No.: Ian2015-2 #1428	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/21/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:

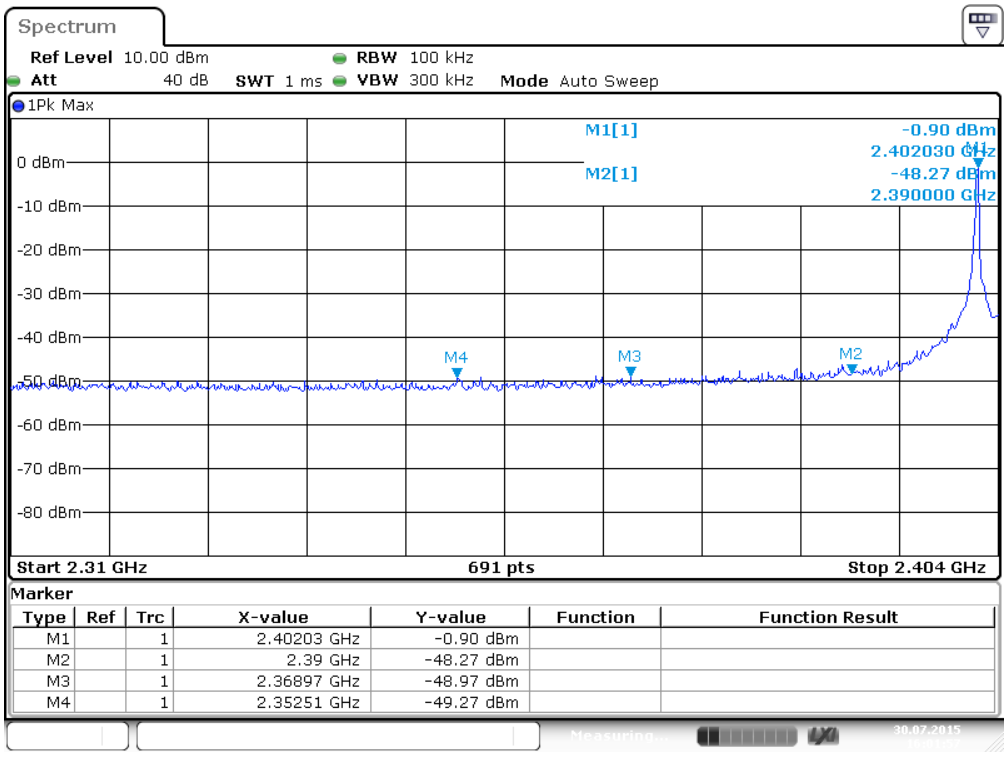


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	62.38	-7.37	55.01	74.00	-18.99	peak			
2	2483.500	51.83	-7.37	44.46	54.00	-9.54	AVG			

Figure 29: Test figure of conducted spurious emissions measured in 100kHz Bandwidth, Mode A.1, GFSK Modulation

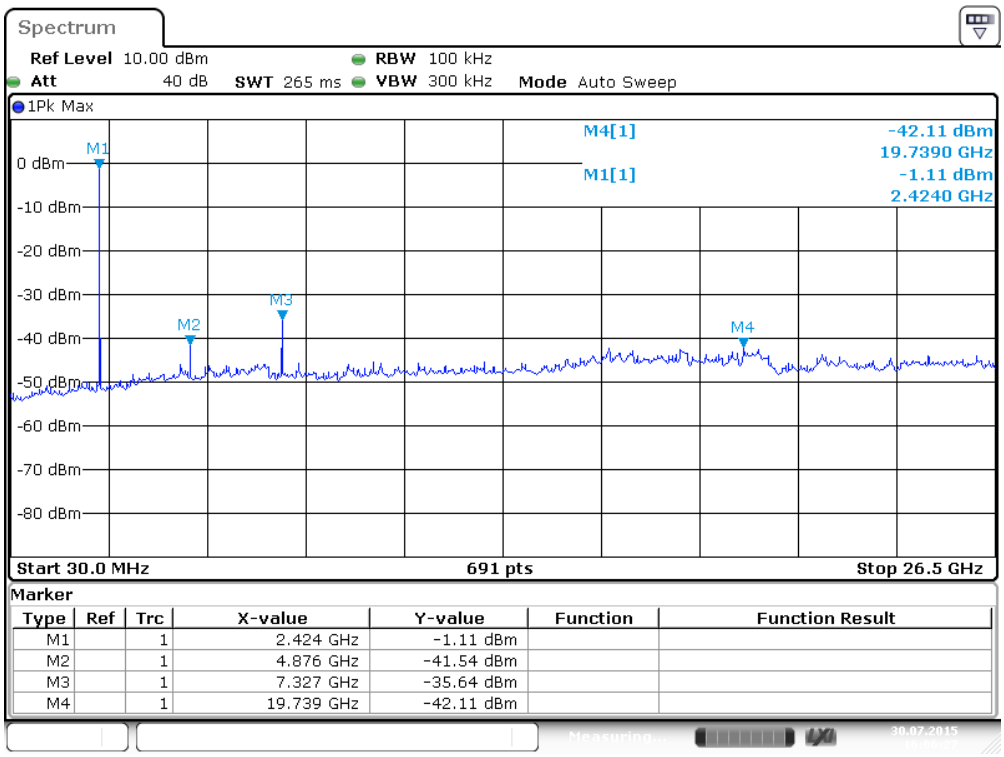


Date: 30.JUL.2015 16:05:26



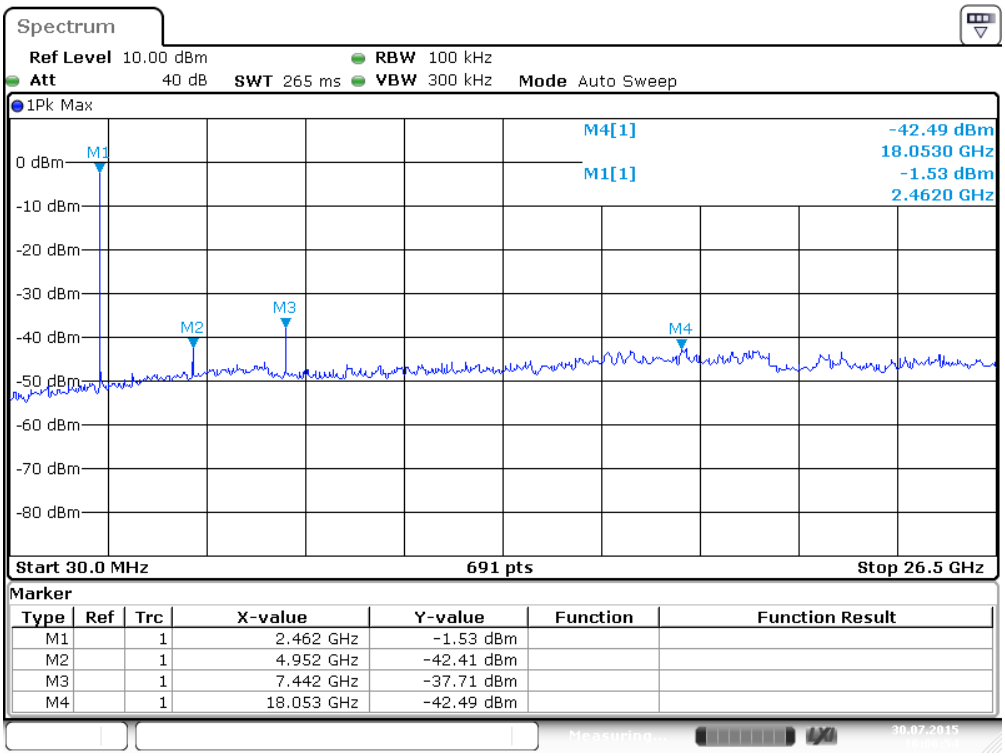
Date: 30.JUL.2015 16:01:58

Figure 30: Test figure of conducted spurious emissions measured in 100kHz Bandwidth, Mode A.2, GFSK Modulation

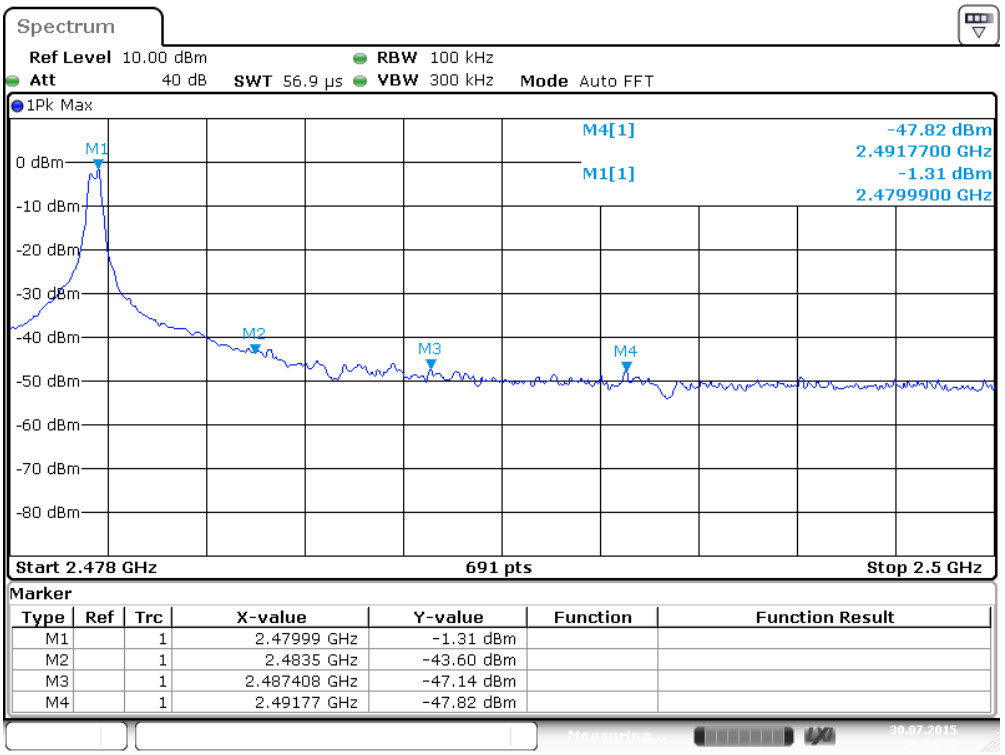


Date: 30.JUL.2015 16:06:27

Figure 31: Test figure of conducted spurious emissions measured in 100kHz Bandwidth, Mode A.3, GFSK Modulation

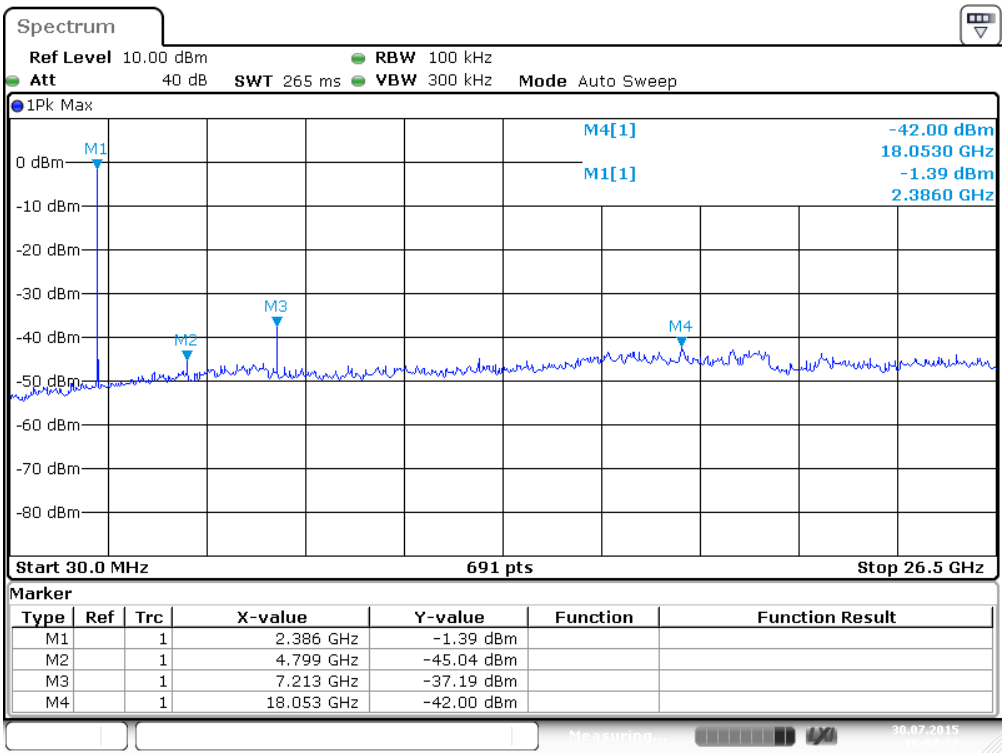


Date: 30.JUL.2015 16:06:54

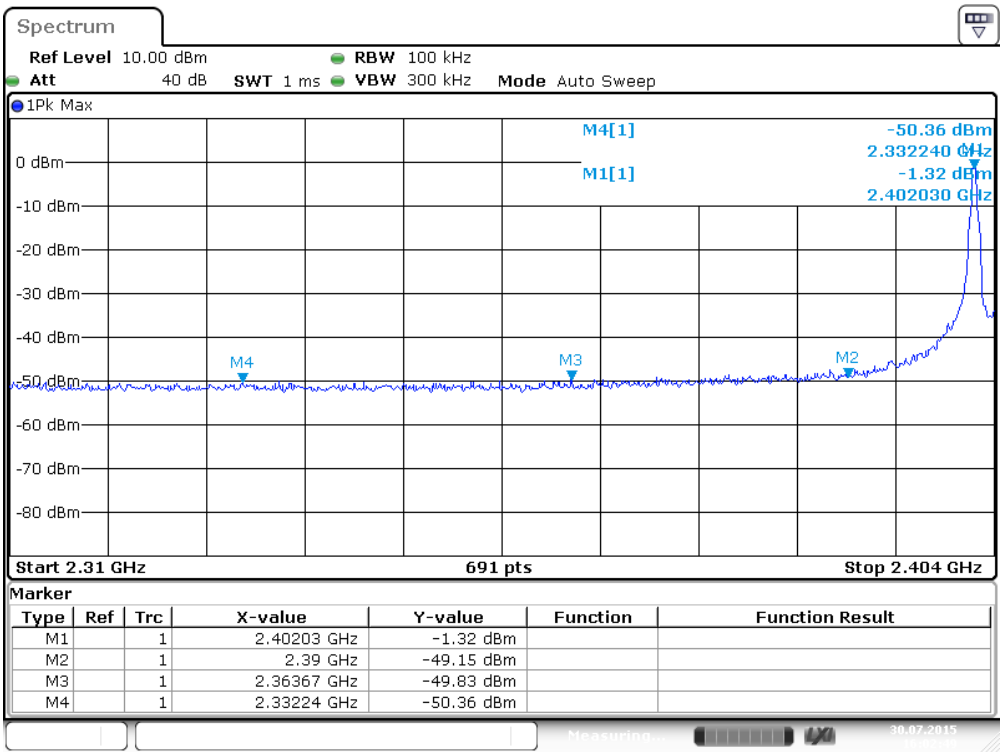


Date: 30.JUL.2015 16:04:19

Figure 32: Test figure of conducted spurious emissions measured in 100kHz Bandwidth, Mode A.1, 8DPSK Modulation

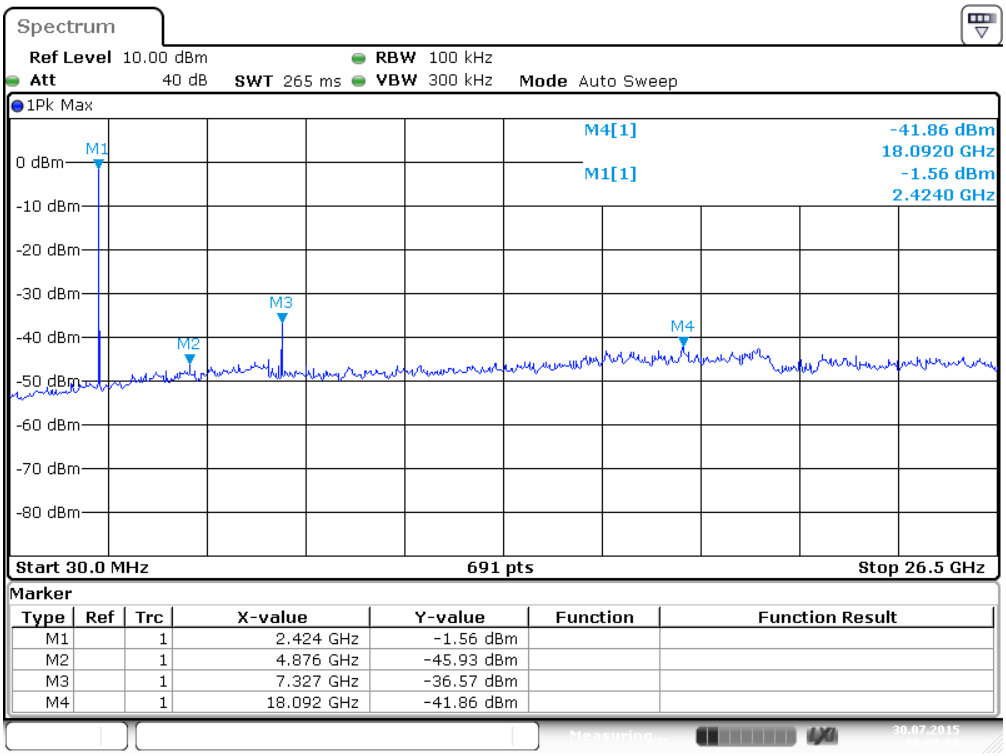


Date: 30.JUL.2015 16:07:22



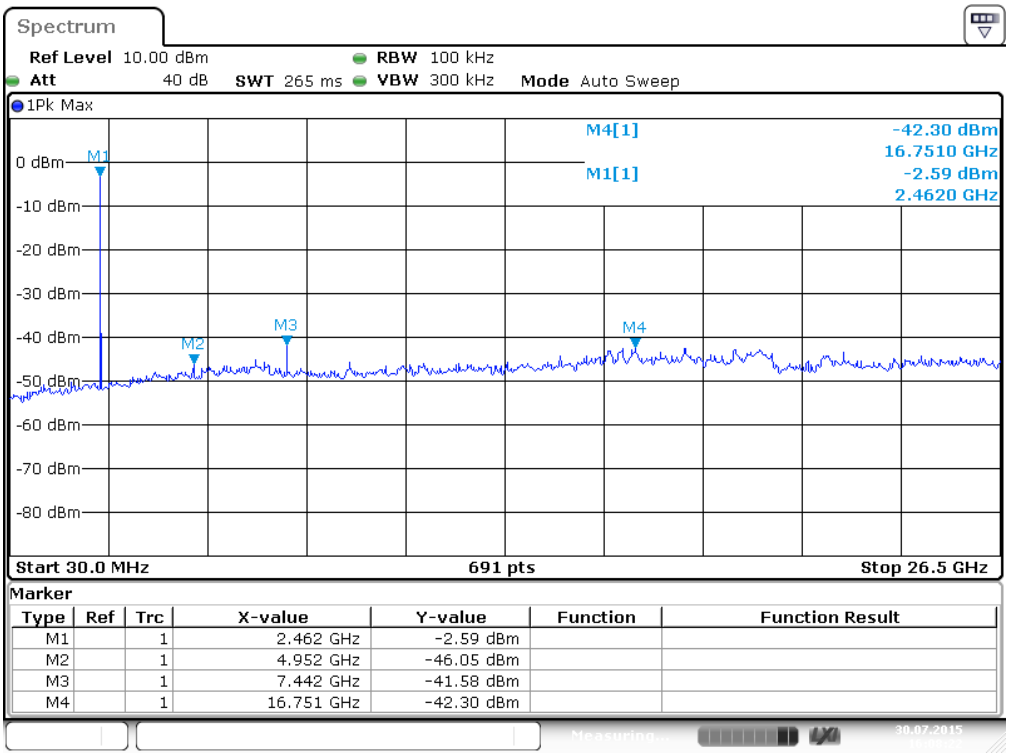
Date: 30.JUL.2015 16:02:49

Figure 33: Test figure of conducted spurious emissions measured in 100kHz Bandwidth, Mode A.2, 8DPSK Modulation

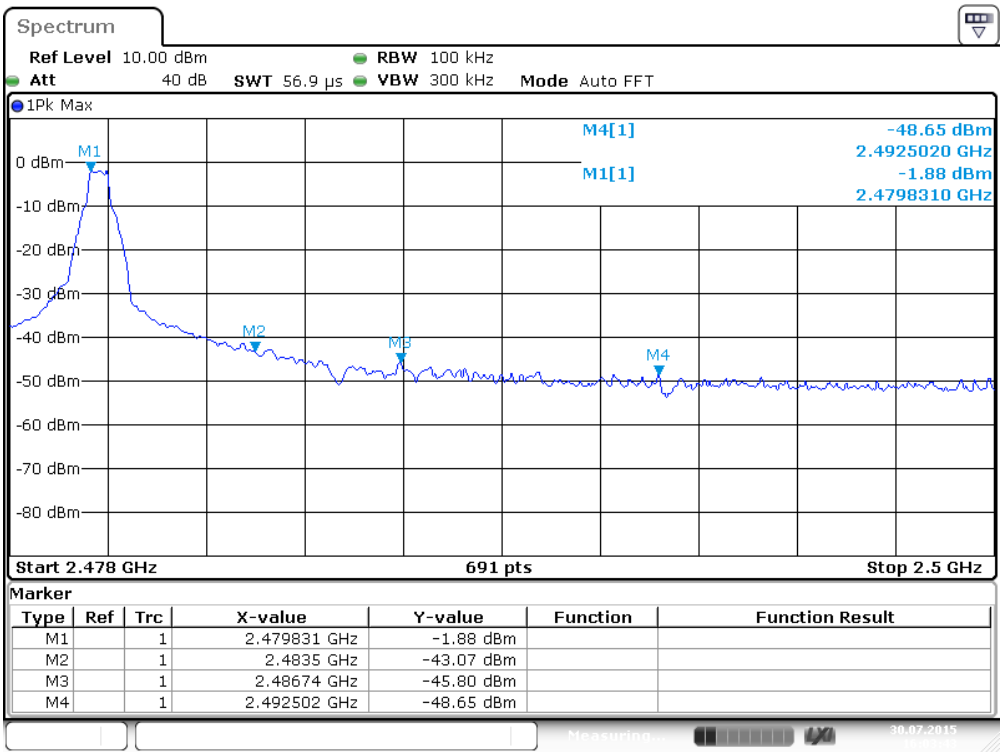


Date: 30.JUL.2015 16:07:50

Figure 34: Test figure of conducted spurious emissions measured in 100kHz Bandwidth, Mode A.3, 8DPSK Modulation



Date: 30.JUL.2015 16:08:22



Date: 30.JUL.2015 16:03:43

Figure 35: Test figure of Conducted emissions, Mode C, D, E, line live

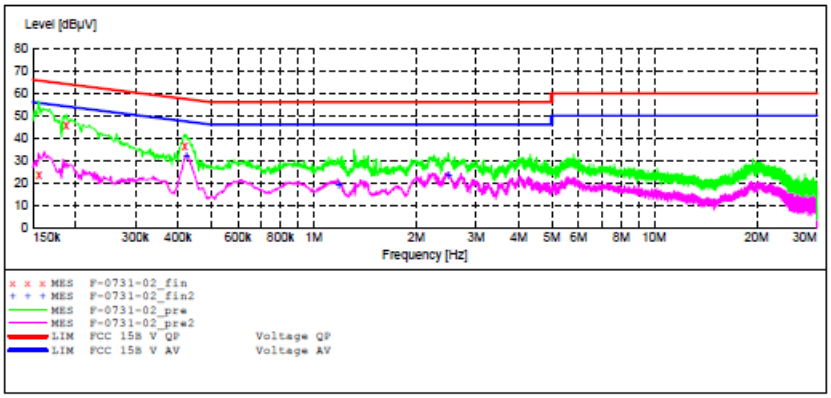
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                HP Wireless Mini Speaker S6500 M/N:BC1101
Manufacturer:       Hewlett Packard
Operating Condition: Charging
Test Site:          1#Shielding Room
Operator:           LAN
Test Specification: L 120V/60Hz
Comment:            Mains Port
Start of Test:      2015-7-31 /
```

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   4.5 kHz    QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                 Average
```



MEASUREMENT RESULT: "F-0731-02_fin"

```
2015-7-31
   Frequency     Level  Transd  Limit  Margin  Detector  Line    PE
         MHz      dBµV      dB   dBµV      dB

    0.156000     23.30    10.4     66    42.4  QP        L1      GND
    0.188000     45.70    10.6     64    18.4  QP        L1      GND
    0.418000     36.30    11.3     58    21.2  QP        L1      GND
```

MEASUREMENT RESULT: "F-0731-02_fin2"

```
2015-7-31
   Frequency     Level  Transd  Limit  Margin  Detector  Line    PE
         MHz      dBµV      dB   dBµV      dB

    0.424000     32.20    11.3     47    15.2  AV        L1      GND
    1.184000     18.90    11.6     46    27.1  AV        L1      GND
    2.490500     23.50    11.7     46    22.5  AV        L1      GND
```

Figure 36: Test figure of Conducted emissions, Mode C, D, E, line neutral

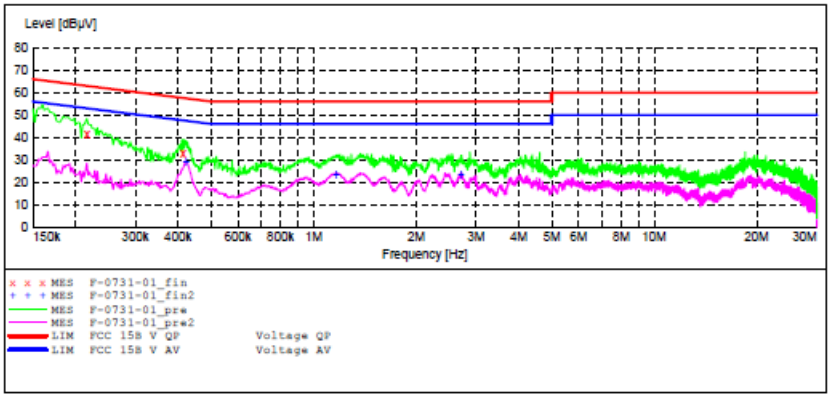
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                 HP Wireless Mini Speaker S6500 M/N:BC1101
Manufacturer:        Hewlett Packard
Operating Condition: Charging
Test Site:           1#Shielding Room
Operator:            LAN
Test Specification:  N 120V/60Hz
Comment:             Mains Port
Start of Test:       2015-7-31 /
```

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   4.5 kHz   QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                  Average
```



MEASUREMENT RESULT: "F-0731-01_fin"

2015-7-31

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.160000	-4.10	10.4	66	69.6	QP	N	GND
0.216000	41.40	10.7	63	21.6	QP	N	GND
0.414000	33.00	11.3	58	24.6	QP	N	GND

MEASUREMENT RESULT: "F-0731-01_fin2"

2015-7-31

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.422000	29.10	11.3	47	18.3	AV	N	GND
1.164000	23.60	11.6	46	22.4	AV	N	GND
2.706500	23.30	11.7	46	22.7	AV	N	GND

Figure 37: Test figure of Radiated emissions, Mode C, Below 1GHz, Horizontal

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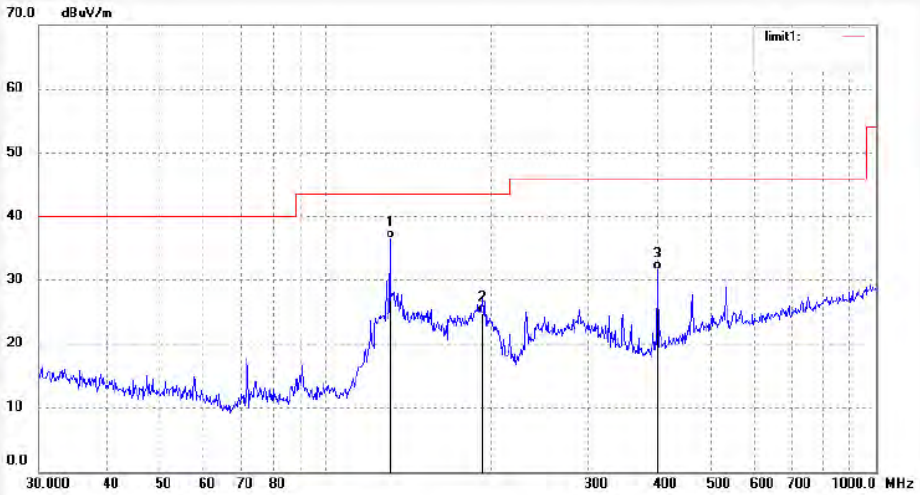
Fax:+86-0755-26503396

Job No.: Ian2015-2 #1302	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 15/07/18/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: Charging	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	130.8369	50.44	-13.90	36.54	43.50	-6.96	QP			
2	192.4185	37.28	-12.56	24.72	43.50	-18.78	QP			
3	400.4318	38.41	-6.81	31.60	46.00	-14.40	QP			

Figure 38: Test figure of Radiated emissions, Mode C, Below 1GHz, Vertical

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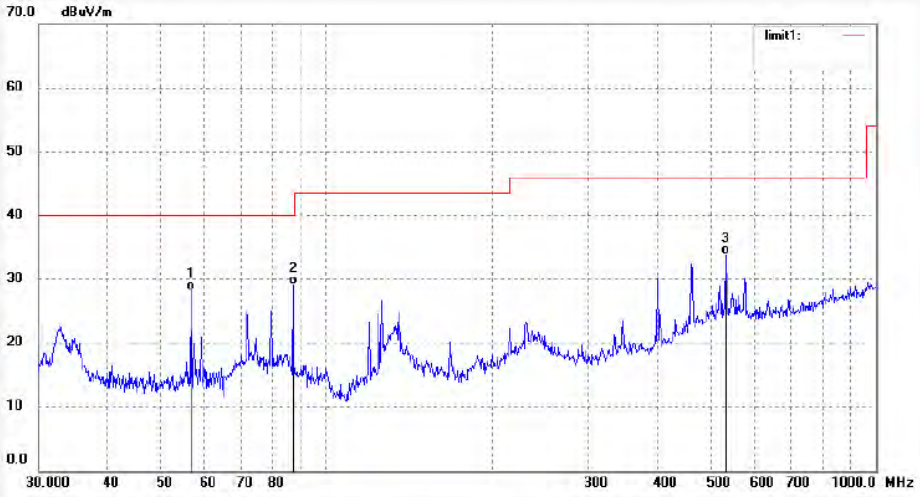
Job No.: Ian2015-2 #1301	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 15/07/18/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: Charging	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	56.7916	41.52	-13.32	28.20	40.00	-11.80	QP			
2	87.1115	44.36	-15.26	29.10	40.00	-10.90	QP			
3	533.8318	37.91	-3.99	33.92	46.00	-12.08	QP			

Figure 39: Test figure of Radiated emissions, Mode C, Above 1GHz, Horizontal

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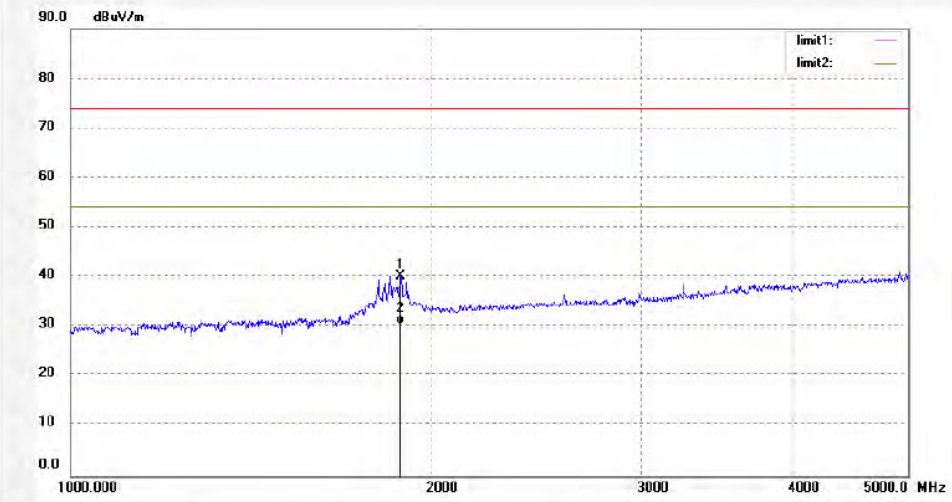
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015-2 #1370	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 15/07/31/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: Charging	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1885.360	49.75	-9.66	40.09	74.00	-33.91	peak			
2	1885.360	40.18	-9.66	30.52	54.00	-23.48	AVG			

Figure 40: Test figure of Radiated emissions, Mode C, Above 1GHz, Vertical

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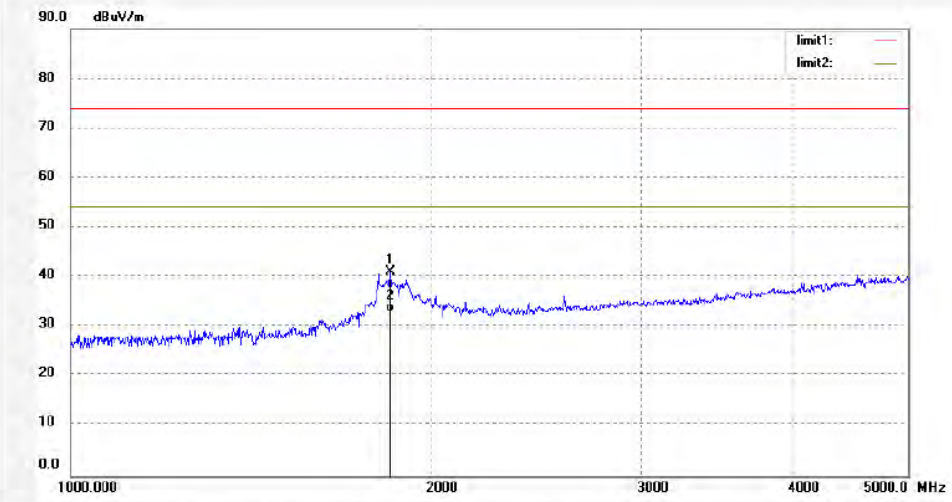
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015-2 #1369	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 15/07/31/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: Charging	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1849.296	50.55	-9.53	41.02	74.00	-32.98	peak			
2	1849.296	42.56	-9.53	33.03	54.00	-20.97	AVG			

Figure 41: Test figure of Radiated emissions, Mode D, Below 1GHz, Horizontal

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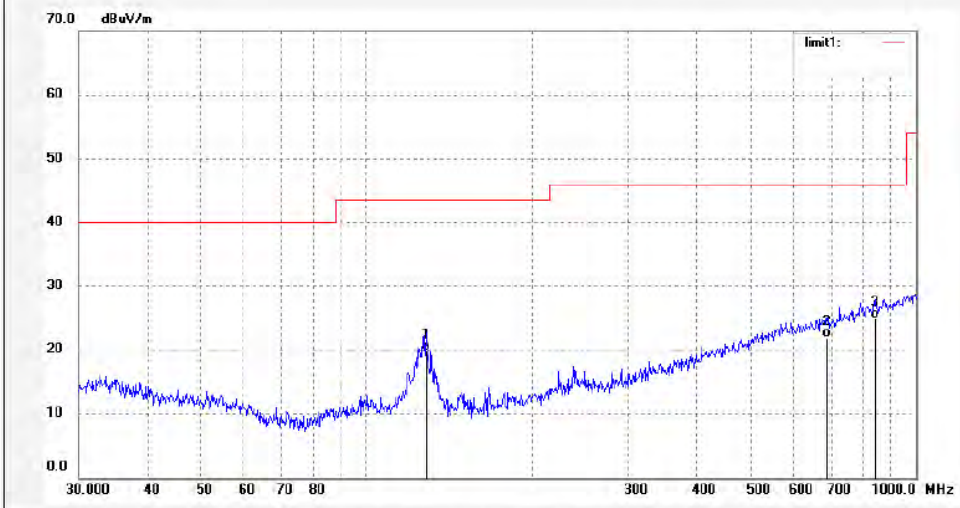
Fax:+86-0755-26503396

Job No.: Ian2015-2 #1310	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/18/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: Aux in	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	128.5629	33.66	-13.82	19.84	43.50	-23.66	QP			
2	689.5643	23.95	-1.92	22.03	46.00	-23.97	QP			
3	842.1295	24.30	0.66	24.96	46.00	-21.04	QP			

Figure 42: Test figure of Radiated emissions, Mode D, Below 1GHz, Vertical

ACCURATE TECHNOLOGY CO., LTD.
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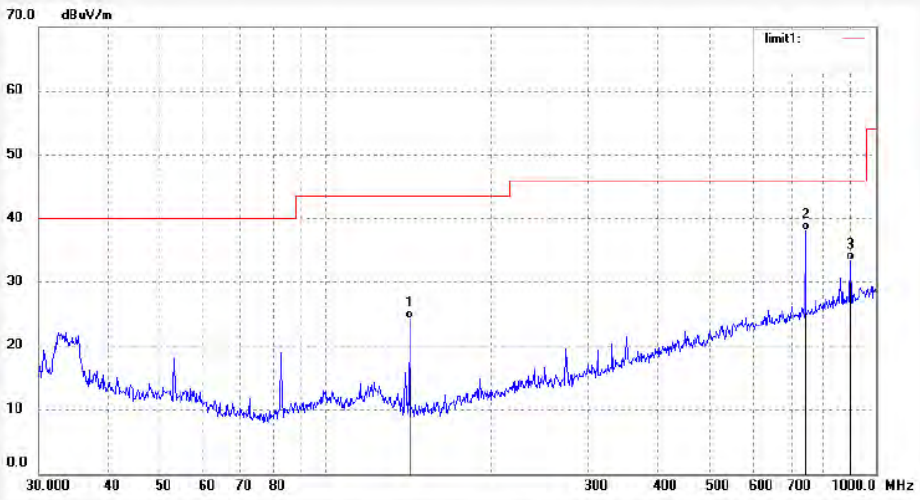
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015-2 #1309	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/18/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: Aux in	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	141.8262	39.46	-15.23	24.23	43.50	-19.27	QP			
2	744.8660	39.24	-1.11	38.13	46.00	-7.87	QP			
3	900.1473	32.10	1.28	33.38	46.00	-12.62	QP			

Figure 43: Test figure of Radiated emissions, Mode D, Above 1GHz, Horizontal

ACCURATE TECHNOLOGY CO., LTD.
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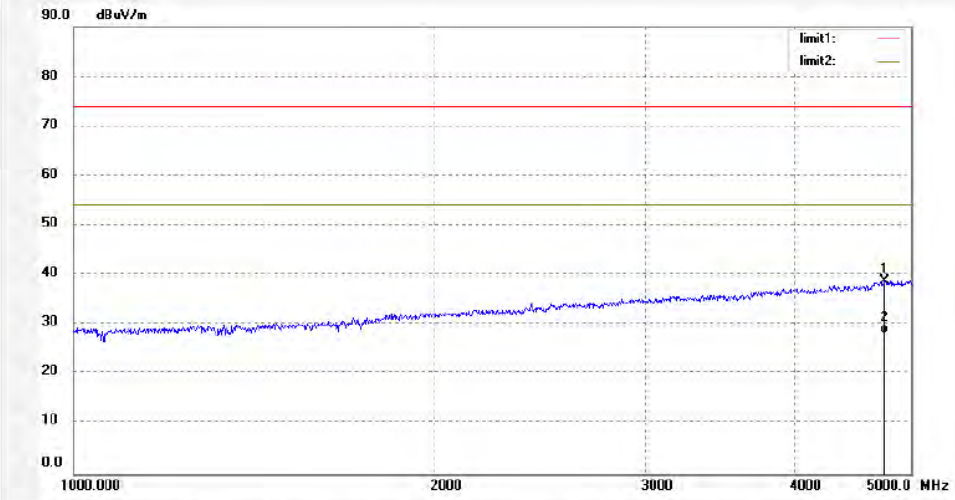
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015-2 #1371	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/31/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: Aux in	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4756.658	39.41	-0.56	38.85	74.00	-35.15	peak			
2	4756.658	28.72	-0.56	28.16	54.00	-25.84	AVG			

Figure 44: Test figure of Radiated emissions, Mode D, Above 1GHz, Vertical

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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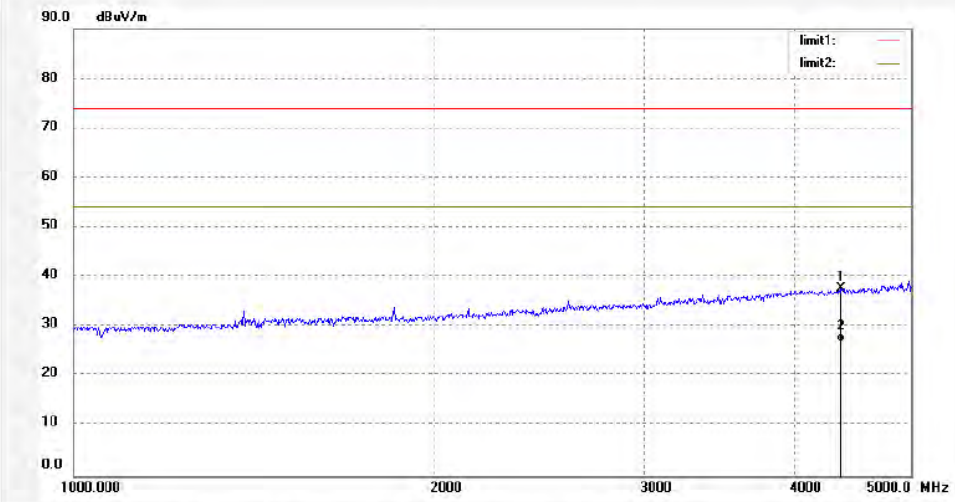
Fax:+86-0755-26503396

Job No.: Ian2015-2 #1372	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 15/07/31/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: HP Wireless Mini Speaker S6500	Engineer Signature:
Mode: Aux in	Distance: 3m
Model: BC1101	
Manufacturer: Hewlett Packard	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4367.737	39.49	-1.82	37.67	74.00	-36.33	peak			
2	4367.737	28.79	-1.82	26.97	54.00	-27.03	AVG			