Prüfbericht-Nr.: *Test Report No.*:	**50069022 001**	**Auftrags-Nr.:** *Order No.*:	164083177	Seite 1 von 28 *Page 1 of 28*
Kunden-Referenz-Nr.: *Client Reference No.*:	N/A	**Auftragsdatum:** *Order date*:	30.12.2016	
Auftraggeber: *Client*:	Country Mate Technology Ltd 5/F, Blk E, Hing Yip Center. 31 Hing Yip Street, Kwun Tong, Kln, Hong Kong			
Prüfgegenstand: *Test item*:	Bluetooth In-ear Headphones			
Bezeichnung / Typ-Nr.: *Identification / Type No.*:	NS-CAHBTEB02-BLK, NS-CAHBTEB02-BLK-C			
Auftrags-Inhalt: *Order content*:	FCC Certification			
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 FCC KDB Publication 447498 v06 CFR47 FCC Part 15: Subpart B Section 15.107 CFR47 FCC Part 15: Subpart B Section 15.109 RSS-247 Issue 1 May 2015 RSS-102 Issue 5 March 2015 RSS-Gen Issue 4 November 2014			

Wareneingangsdatum: *Date of receipt*:	13.01.2017
Prüfmuster-Nr.: *Test sample No.*:	A000482052-010, 011, 012
Prüfzeitraum: *Testing period*:	23.01.2017 - 24.02.2017
Ort der Prüfung: *Place of testing*:	Shenzhen Accurate Technology Co., Ltd.
Prüflaboratorium: *Testing laboratory*:	TÜV Rheinland (Shenzhen) Co., Ltd.
Prüfergebnis*: *Test result**:	Pass

geprüft von / *tested by*:			**kontrolliert von** / *reviewed by*:		
07.03.2017	Andy Yan / Project Manager		08.03.2017	Winnie Hou / Technical Certifier	
Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

Sonstiges / *Other*: FCC ID: MV3-CAHBTEB02, IC: 9029A-CAHBTEB02

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

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft
	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 specification(s)		*F(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

V04

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT
RESULT: Passed

5.1.2 PEAK OUTPUT POWER
RESULT: Passed

5.1.3 99% BANDWIDTH
RESULT: Passed

5.1.4 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHZ BANDWIDTH
RESULT: Passed

5.1.5 SPURIOUS EMISSION
RESULT: Passed

5.1.6 20DB BANDWIDTH
RESULT: Passed

5.1.7 FREQUENCY SEPARATION
RESULT: Passed

5.1.8 NUMBER OF HOPPING FREQUENCY
RESULT: Passed

5.1.9 TIME OF OCCUPANCY
RESULT: Passed

5.1.10 CONDUCTED EMISSIONS
RESULT: Passed

5.1.11 RADIATED EMISSION
RESULT: Passed

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

Shenzhen Accurate Technology Co., Ltd.

F1, Bldg. A, Changyuan New Meterial Port, Keyuan Rd., Science & Industry Park Nanshan District, Shenzhen 518057, P.R. China

FCC Registration No.: 752051

Test site Industry Canada No.: 5077A-2

The tests at the test site 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

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Spurious emission and Radiated emission				
Spectrum Analyzer	Rohde&Schwarz	FSV40	101495	06-01-2018
Test Receiver	Rohde&Schwarz	ESCS30	100307	06-01-2018
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	09-01-2018
Loop Antenna	Schwarzbeck	FMZB1516	1516131	09-01-2018
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	09-01-2018
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	09-01-2018
RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	06-01-2018
Pre-Amplifier	Rohde&Schwarz	CBLU11835 40-01	3791	06-01-2018
Radio Spectrum Test				
Spectrum Analyzer	Rohde & Schwarz	ESPI3	100396/003	06-01-2018
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCS30	100307	06-01-2018
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	06-01-2018
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	06-01-2018
50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	06-01-2018

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

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements are ±3dB.

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

The Shenzhen 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 Bluetooth in- ear headphones which suports Bluetooth wireless technology. Both models are indentical except model number for different regions.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Rating of EUT

Kind of Equipment:	Bluetooth in- ear headphones
Type Designation:	NS-CAHBTEB02-BLK, NS-CAHBTEB02-BLK-C
FCC ID	MV3-CAHBTEB02
IC	9029A-CAHBTEB02

Table 3: Technical Specification of Bluetooth (BDR & EDR)

Technical Specification	**Value**
Operating Frequency band	2402 – 2480 MHz
Bluetooth Core Version	4.1
Channel Number	79 channels
Channel separation	1MHz
Extreme Temperature Range	-10ºC to +50ºC
Operation Voltage	DC3.7V via Lithium Battery DC5V via USB port for charging
Modulation	GFSK, 8DPSK, π/4DQPSK
Antenna Type	Internal Antenna, Non-User Replaceable
Antenna Gain	1.92dBi
RF Output Power	0.00313W (4.95dBm)

Table 4: RF channel and frequency of Bluetooth (BDR & EDR mode)

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	20	2422.00	40	2442.00	60	2462.00
1	2403.00	21	2423.00	41	2443.00	61	2463.00
2	2404.00	22	2424.00	42	2444.00	62	2464.00
3	2405.00	23	2425.00	43	2445.00	63	2465.00
4	2406.00	24	2426.00	44	2446.00	64	2466.00
5	2407.00	25	2427.00	45	2447.00	65	2467.00
6	2408.00	26	2428.00	46	2448.00	66	2468.00
7	2409.00	27	2429.00	47	2449.00	67	2469.00
8	2410.00	28	2430.00	48	2450.00	68	2470.00
9	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		

3.3 Independent Operation Modes

The basic operation modes are:

A. On, Bluetooth mode (BDR & EDR)
    1. Transmitting on low channel
    2. Transmitting on middle channel
    3. Transmitting on high channel
B. On, Bluetooth hopping mode
C. Charging
D. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material
- PCB Layout
- Photo Document
- Technical Description
- Circuit Diagram
- Instruction Manual
- Rating Label

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 C63.4: 2014 and ANSI C63.10: 2013.

Due to models difference indicated in clause 3.1, full test was applied on model NS-CAHBTEB02-BLK only.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested with following accessories:

Description	Manufacturer	Type	S/N
iPhone6S PLUS	Apple	ML6D2 CH/A	C35QJ76JGRWM
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)

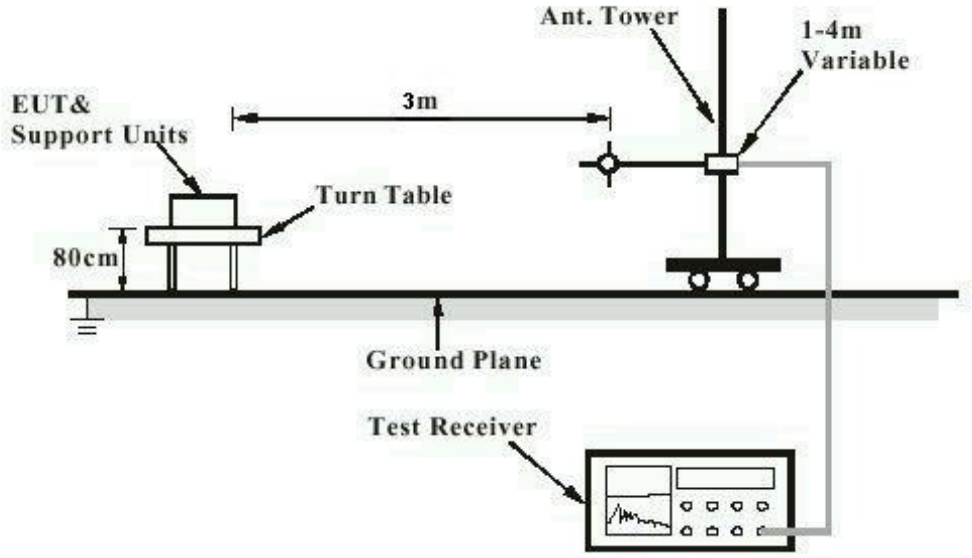


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

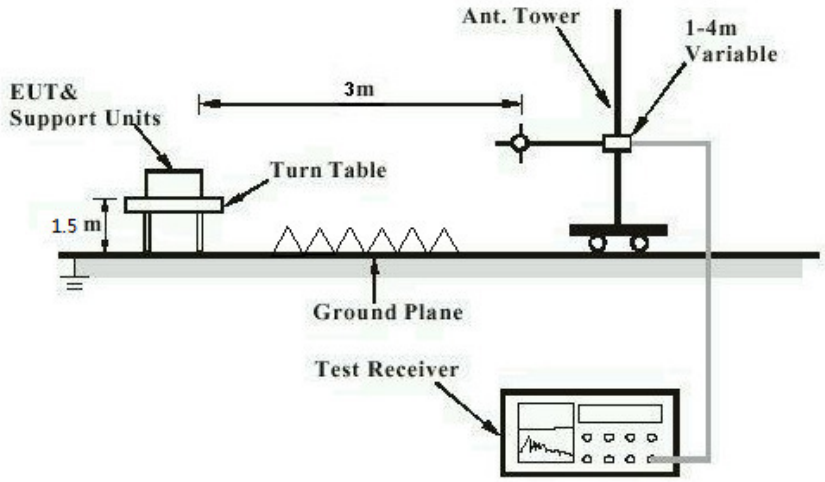


Diagram of Measurement Equipment Configuration for Mains Conduction Measurement

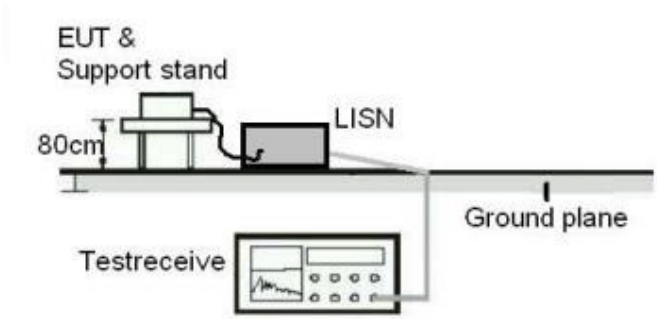
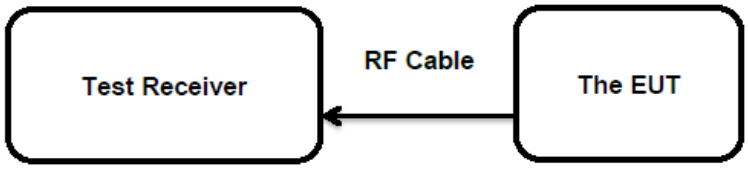


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Passed**

Test standard	:	FCC Part 15.247(b)(4) and Part 15.203 RSS-Gen 6.7
Limit	:	the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 1.92dBi, 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.

Refer to EUT photo for details.

5.1.2 Peak Output Power

RESULT: **Passed**

Test date	:	2017-02-24
Test standard	:	FCC Part 15.247(b)(1) RSS-247 Clause 5.4(2)
Basic standard	:	ANSI C63.10: 2013
Limit	:	FHSS < 0.125 Watts
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 5: Test result of Peak Output Power

Test Mode	Channel Frequency (MHz)	Measured Peak Output Power		Limit (W)
		(dBm)	(W)	
BDR	2402	1.14	0.00130	< 0.125
	2441	4.38	0.00274	
	2480	4.95	0.00313	
EDR	2402	-0.32	0.00093	< 0.125
	2441	3.64	0.00231	
	2480	-0.14	0.00097	

Note: The cable loss is taken into account in results.

5.1.3 99% Bandwidth

RESULT: **Passed**

Date of testing	:	2017-02-24
Test standard	:	RSS-Gen clause 6.6
Basic standard	:	ANSI C63.10: 2013
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 6: Test result of 99% Bandwidth

Test Mode	Channel Frequency (MHz)	99% Bandwidth (kHz)	Limit (kHz)
BDR	2402	1081.04	/
	2441	1111.43	
	2480	1094.07	
EDR	2402	1198.26	/
	2441	1193.92	
	2480	1198.26	

Note: The cable loss is taken into account in results.

5.1.4 Conducted spurious emissions measured in 100kHz Bandwidth

RESULT: **Passed**

Date of testing	:	2017-02-24
Test standard	:	FCC part 15.247(d) RSS-247 Clause 5.5
Basic standard	:	ANSI C63.10: 2013
Limit	:	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	:	Shield room

Test setup

Test Channel	:	Low/ High
Operation mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

All emissions are more than 20dB below fundamental, details refer to Appendix 1, and compliance is achived as well.

5.1.5 Spurious Emission

RESULT: **Passed**

Date of testing	:	2017-01-23
Test standard	:	FCC part 15.247(d) FCC Part 15.205 RSS-247 Clause 3.3
Basic standard	:	ANSI C63.10: 2013
Limits	:	Refer to 15.209(a) of FCC part 15.247(d) RSS-Gen Table 4 & Table 5
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
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 setup photos.
Testing was carried out within frequency range 9kHz to the tenth harmonics.

For details refer to Appendix 1.

5.1.6 20dB Bandwidth

RESULT: **Passed**

Date of testing	:	2017-02-23
Test standard	:	FCC Part 15.247(a)(1) RSS-247 Clause 5.1(1)
Basic standard	:	ANSI C63.10: 2013
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 7: Test result of 20dB Bandwidth

Test Mode	Channel Frequency (MHz)	20dB Bandwidth (kHz)	2/3 of 20dB Bandwidth (kHz)	Limit (MHz)
BDR	2402	929.1	619.400	/
	2441	929.1	619.400	
	2480	937.8	625.200	
EDR	2402	1207.0	804.667	/
	2441	1207.0	804.667	
	2480	1206.9	804.600	

5.1.7 Frequency Separation

RESULT: **Passed**

Date of testing	:	2017-02-23
Test standard	:	FCC part 15.247(a)(1) RSS-210 A8.1 (b)
Basic standard	:	ANSI C63.4: 2003
Limit	:	≥ 25kHz or 2/3 of 20dB bandwidth, whichever is greater

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	B
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 8: Test result of Frequency Separation

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2403			
Mid Channel	2441	1	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2442			
High Channel	2480	1	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2479			

5.1.8 Number of hopping frequency

RESULT: **Passed**

Date of testing	:	2017-02-23
Test standard	:	FCC part 15.247(a)(1)(iii) RSS-247 Clause 5.1(4)
Basic standard	:	ANSI C63.10: 2013
Limits	:	≥ 15 non-overlapping channels
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	B
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 9: Test result of Number of hopping frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2400 to 2483.5 MHz	79	≥15	Pass

5.1.9 Time of Occupancy

RESULT: **Passed**

Date of testing	:	2017-02-23
Test standard	:	FCC part 15.247(a)(1)(iii) RSS-247 Clause5.1(4)
Basic standard	:	ANSI C63.10: 2013
Limits	:	<0.4s
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 10: Test result of Time of Occupancy

Test Mode	Channel	Data Packet	Pulse width (ms)	Measured Dwell time(s)	Limit (s)
BDR mode	2402	DH1	0.449	0.144	< 0.4s
		DH3	1.710	0.274	
		DH5	2.978	0.318	
	2441	DH1	0.449	0.144	
		DH3	1.710	0.274	
		DH5	2.978	0.318	
	2480	DH1	0.442	0.141	
		DH3	1.710	0.274	
		DH5	2.978	0.318	
EDR mode	2402	3DH1	0.449	0.144	
		3DH3	1.710	0.274	
		3DH5	2.978	0.318	
	2441	3DH1	0.457	0.146	
		3DH3	1.725	0.276	
		3DH5	2.978	0.318	
	2480	3DH1	0.457	0.146	
		3DH3	1.710	0.274	
		3DH5	2.978	0.318	

Note:

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

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

5.1.10 Conducted emissions

RESULT: **Passed**

Date of testing	:	2017-01-23
Test standard	:	FCC Part 15.107(a) & FCC Part 15.207(a) RSS-Gen Clause 8.8
Basic standard	:	ANSI C63.10: 2013 & ANSI C63.4: 2014
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.107(a) & FCC Part 15.207(a) RSS-Gen Table 3
Kind of test site	:	Shield room

Test setup

Input Voltage	:	AC 120V, 60Hz via AC/DC Adapter of notebook
Operation Mode	:	B, C
Earthing	:	Not connected
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

For details refer to Appendix 1.

5.1.11 Radiated Emission

RESULT: **Passed**

Date of testing	:	2017-01-23
Test standard	:	FCC Part 15.109(a) & FCC Part 15.209(a) RSS-Gen 8.9
Basic standard		ANSI C63.4: 2014
Frequency range	:	30 - 6000MHz
Classification	:	Class B
Limit	:	FCC Part 15.109(a) & FCC Part 15.209(a) RSS-Gen Table 4
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Input Voltage	:	AC 120V, 60Hz via AC/DC Adapter of notebook
Operation mode	:	C
Earthing	:	Not connected
Ambient temperature	:	Refer to Appendix 1
Relative humidity	:	Refer to Appendix 1
Atmospheric pressure	:	Refer to Appendix 1

Test data refer to Appendix 1.

7. List of Tables

8. List of Photographs

List of Figures

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

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

```
EUT:                  Bluetooth In-Ear Headphones M/N:NS-CAHBTEB02-BLK
Manufacturer:
Operating Condition:  TX 2402MHz
Test Site:            2# Chamber
Operator:             LGWADE
Test Specification:   DC 3.7V
Comment:              X
```

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
```

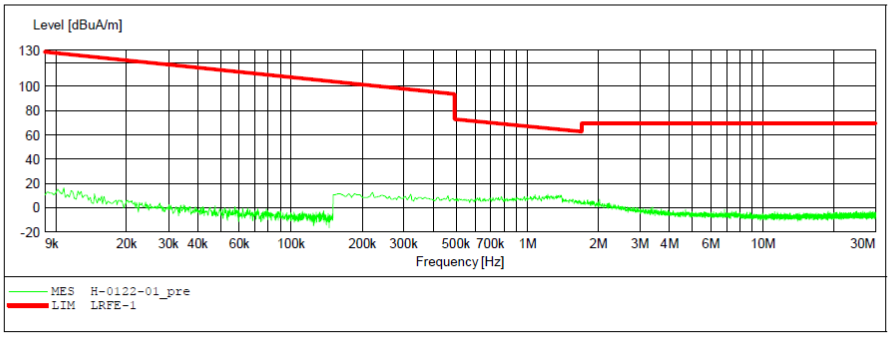


Figure 2: Test figure of spurious emissions, mode A.1, Vertical polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

```
EUT:                    Bluetooth In-Ear Headphones M/N:NS-CAHBTEB02-BLK
Manufacturer:
Operating Condition:    TX 2402MHz
Test Site:              2# Chamber
Operator:               LGWADE
Test Specification:     DC 3.7V
Comment:                Y
```

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
```

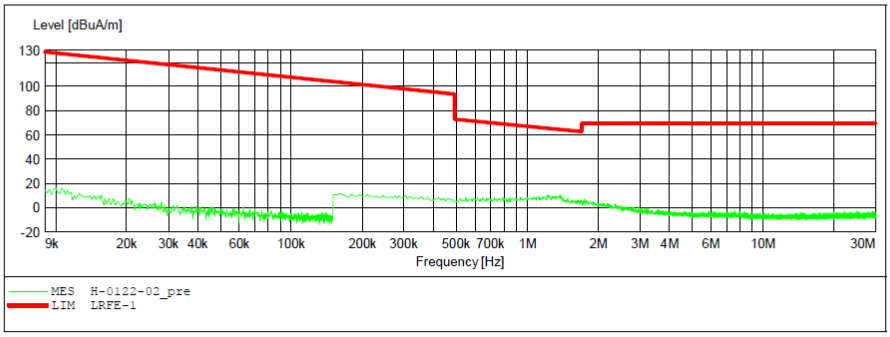
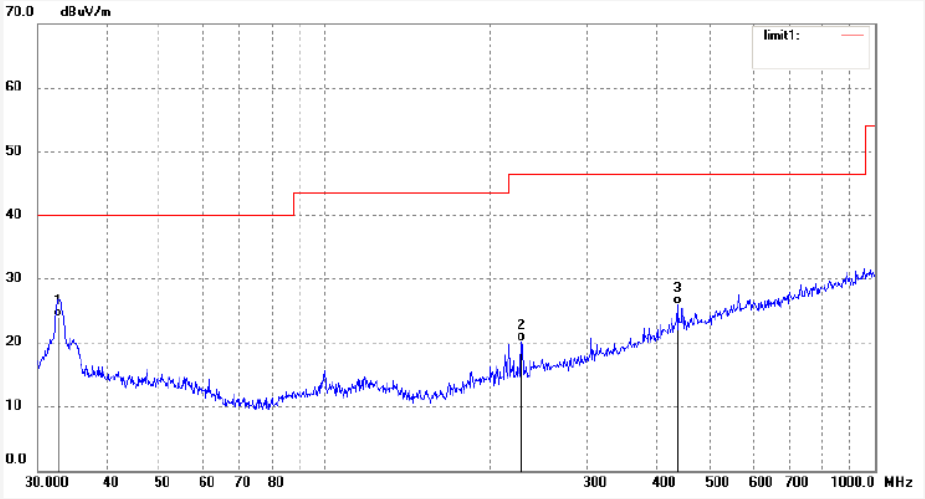


Figure 3: Test figure of spurious emissions, mode A.1, Horizontal polarity (30MHz – 1GHz)

ATC®
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.: LGW2017 #1022	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.7486	34.28	-10.20	24.08	40.00	-15.92	QP			
2	227.6905	31.36	-11.18	20.18	46.40	-26.22	QP			
3	437.1198	31.52	-5.49	26.03	46.40	-20.37	QP			

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

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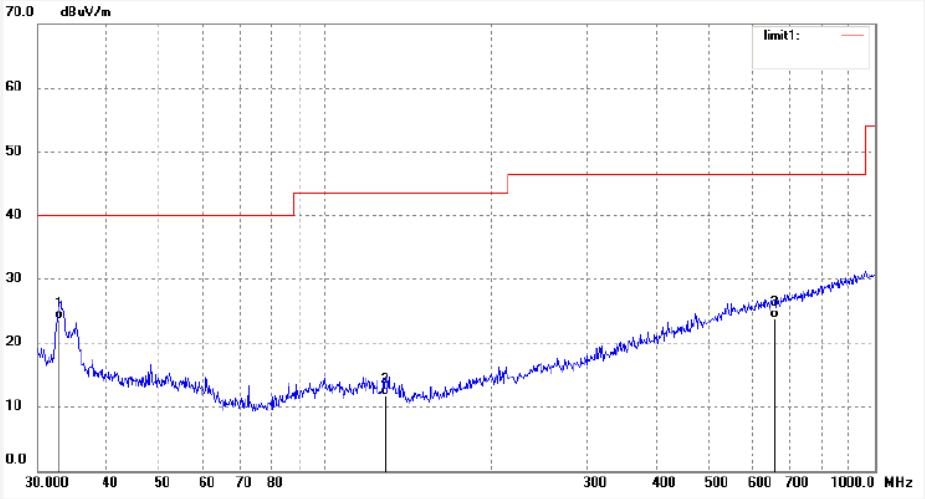
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1023	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.8637	33.45	-9.79	23.66	40.00	-16.34	QP			
2	128.5629	25.55	-13.72	11.83	43.50	-31.67	QP			
3	656.5299	25.56	-1.66	23.90	46.40	-22.50	QP			

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

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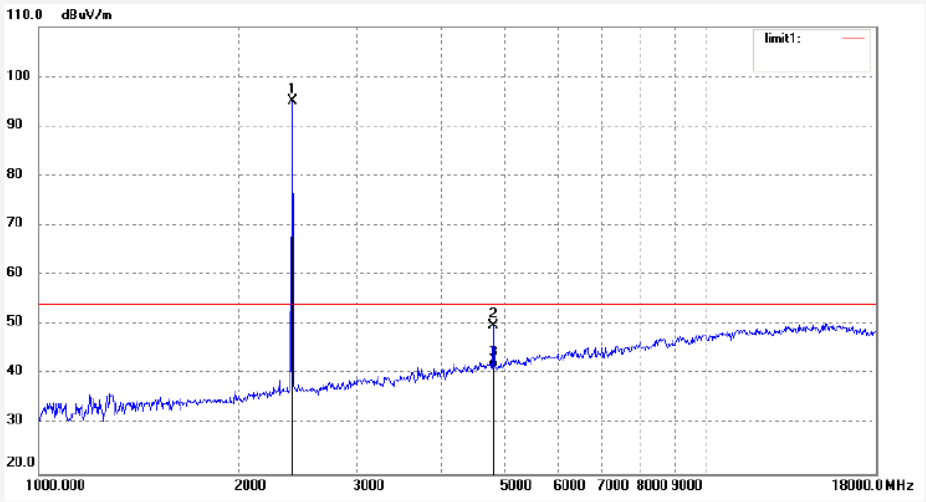
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1006	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



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	96.63	-1.61	95.02	/	/	peak			
2	4804.025	45.02	4.90	49.92	74.00	-24.08	peak			
3	4804.025	36.43	4.90	41.33	54.00	-12.67	AVG			

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

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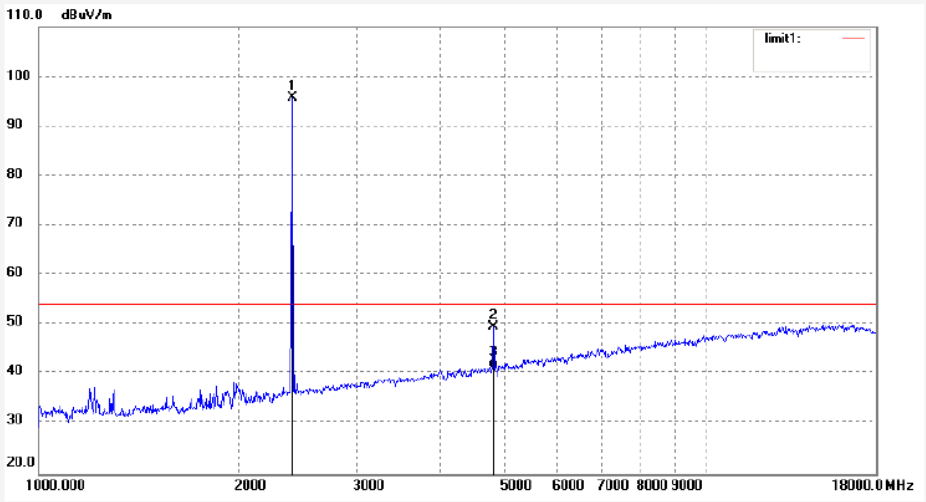
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1007	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



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	97.25	-1.61	95.64	/	/	peak			
2	4804.028	44.76	4.90	49.66	74.00	-24.34	peak			
3	4804.028	36.45	4.90	41.35	54.00	-12.65	AVG			

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

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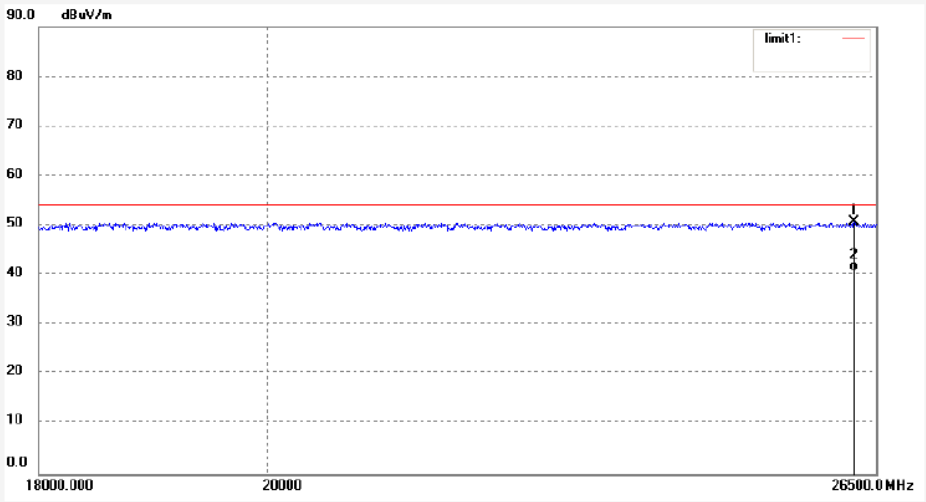
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1017	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26234.849	10.39	40.37	50.76	74.00	-23.24	peak			
2	26234.849	0.40	40.37	40.77	54.00	-13.23	AVG			

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

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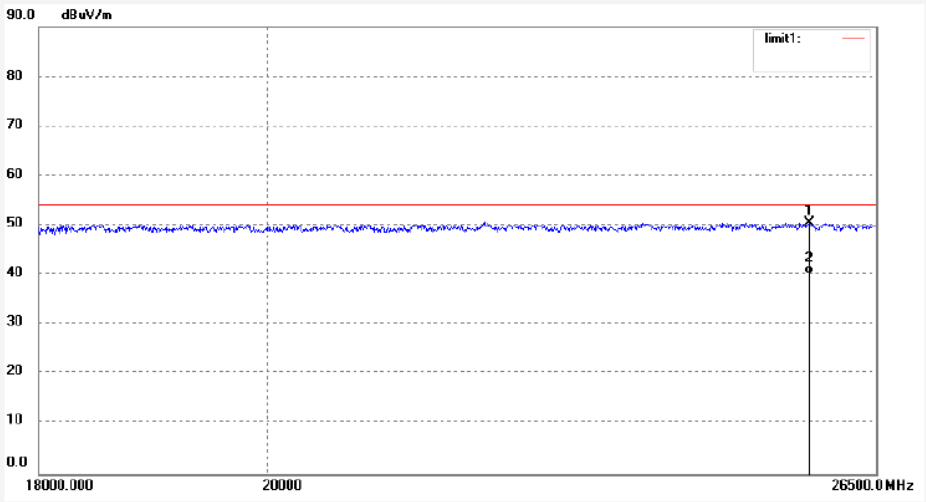
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1016	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25692.597	9.45	41.03	50.48	74.00	-23.52	peak			
2	25692.597	-0.89	41.03	40.14	54.00	-13.86	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:                  Bluetooth In-Ear Headphones M/N:NS-CAHBTEB02-BLK
Manufacturer:
Operating Condition:  TX 2441MHz
Test Site:            2# Chamber
Operator:             LGWADE
Test Specification:   DC 3.7V
Comment:              X
```

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
```

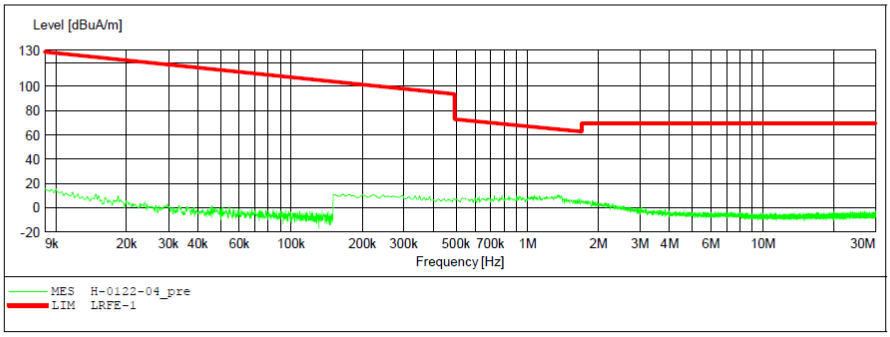


Figure 10: Test figure of spurious emissions, mode A.2, Vertical polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

```
EUT:                    Bluetooth In-Ear Headphones M/N:NS-CAHBTEB02-BLK
Manufacturer:
Operating Condition:    TX 2441MHz
Test Site:              2# Chamber
Operator:               LGWADE
Test Specification:     DC 3.7V
Comment:                Y
```

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
```

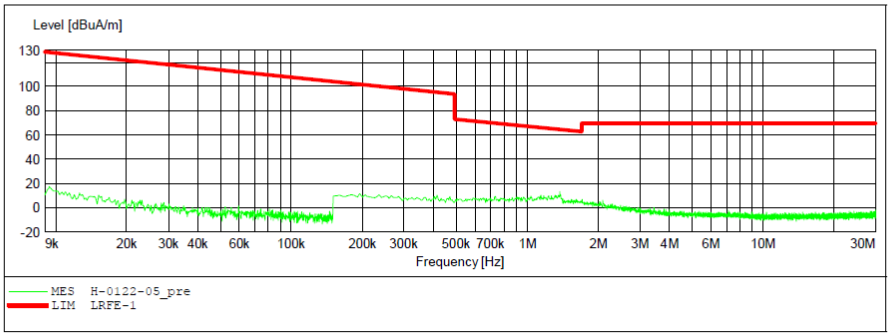


Figure 11: Test figure of spurious emissions, mode A.2, Horizontal polarity (30MHz – 1GHz)

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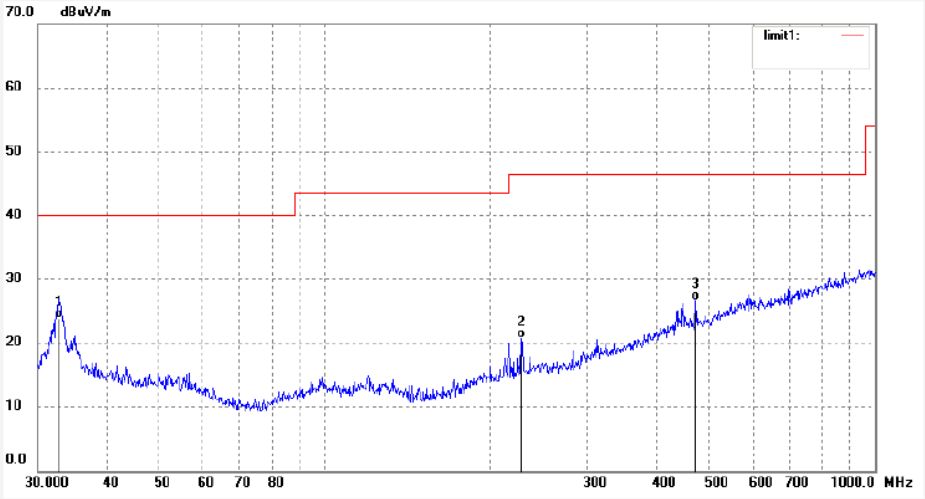
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1025	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2441MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.8637	34.16	-10.21	23.95	40.00	-16.05	QP			
2	227.6905	31.88	-11.18	20.70	46.40	-25.70	QP			
3	472.1759	31.63	-5.01	26.62	46.40	-19.78	QP			

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

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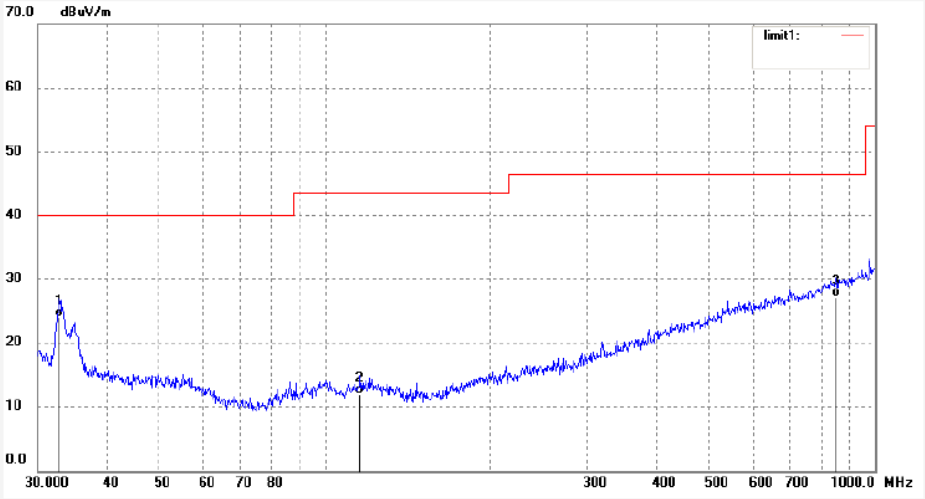
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1024	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2441MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.8637	33.90	-9.79	24.11	40.00	-15.89	QP			
2	115.7256	25.05	-13.06	11.99	43.50	-31.51	QP			
3	851.0353	25.73	1.57	27.30	46.40	-19.10	QP			

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

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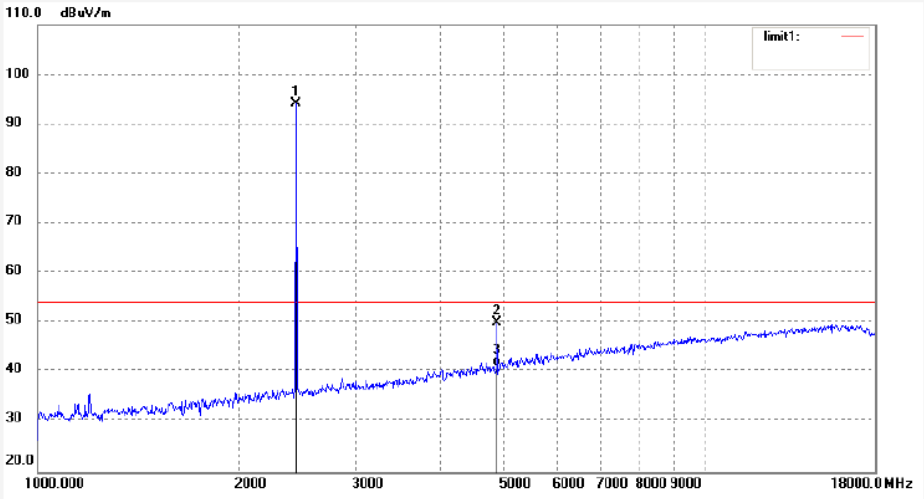
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1010	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2441MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



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	95.65	-1.44	94.21	/	/	peak			
2	4882.028	44.34	5.61	49.95	74.00	-24.05	peak			
3	4882.028	35.73	5.61	41.34	54.00	-12.66	AVG			

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

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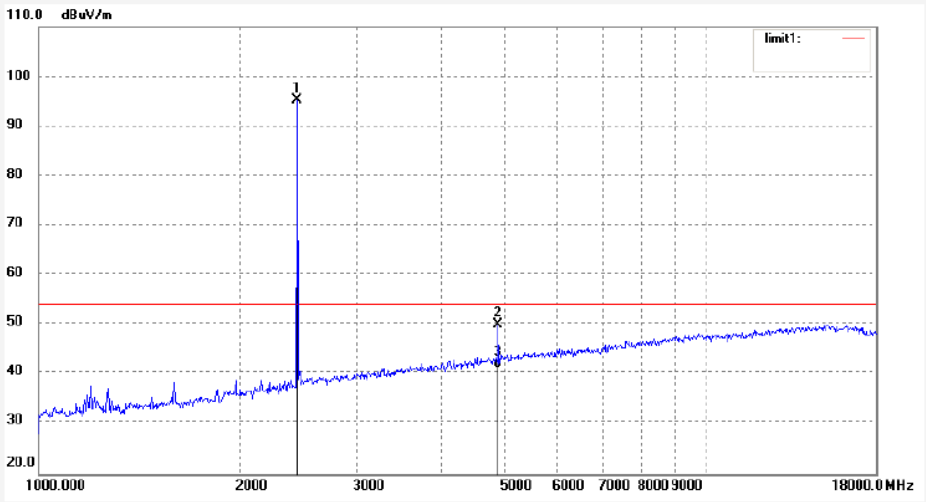
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1011	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2441MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



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	96.80	-1.44	95.36	/	/	peak			
2	4882.029	44.50	5.61	50.11	74.00	-23.89	peak			
3	4882.029	35.73	5.61	41.34	54.00	-12.66	AVG			

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

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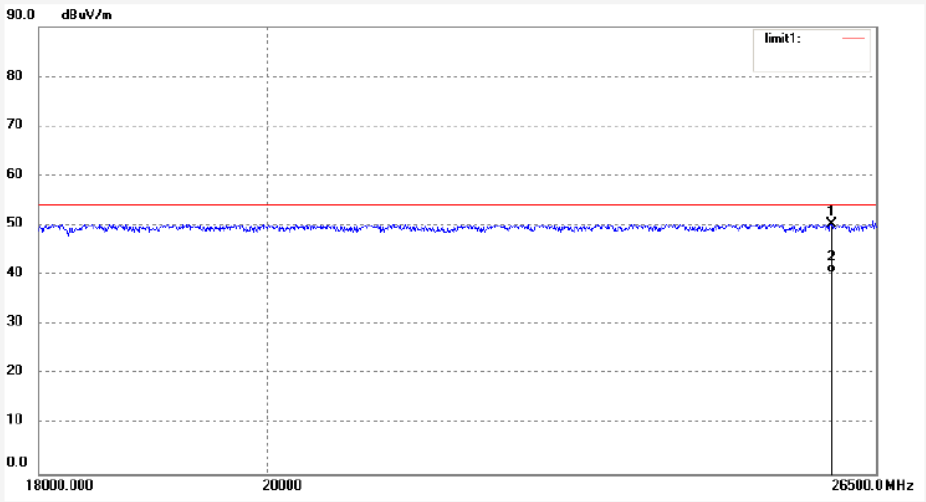
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1018	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2441MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25962.307	10.03	40.23	50.26	74.00	-23.74	peak			
2	25962.307	0.11	40.23	40.34	54.00	-13.66	AVG			

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

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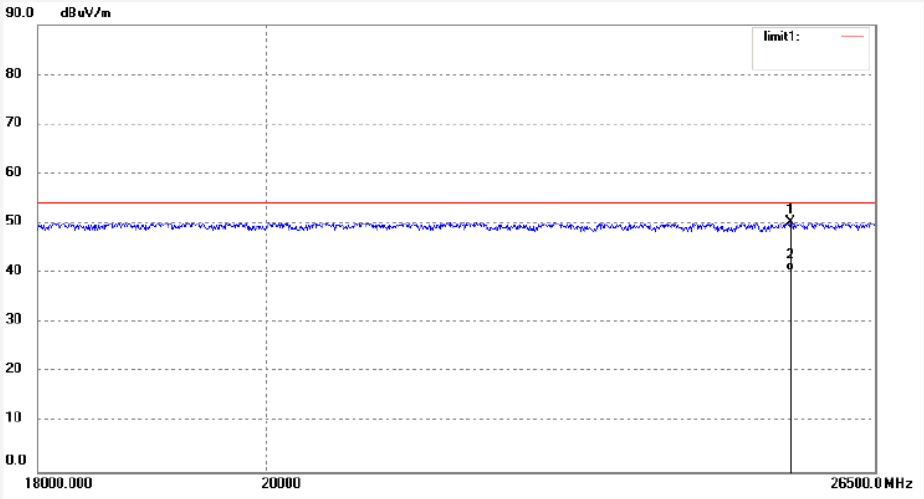
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1019	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2441MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25484.761	9.13	41.07	50.20	74.00	-23.80	peak			
2	25484.761	-0.66	41.07	40.41	54.00	-13.59	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:                  Bluetooth In-Ear Headphones M/N:NS-CAHBTEB02-BLK
Manufacturer:
Operating Condition:  TX 2480MHz
Test Site:            2# Chamber
Operator:             LGWADE
Test Specification:   DC 3.7V
Comment:              X
```

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
```

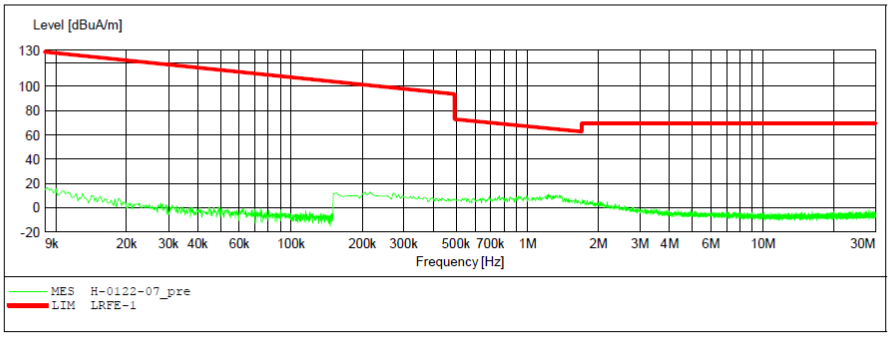


Figure 18: Test figure of spurious emissions, mode A.3, Vertical polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

```
EUT:                  Bluetooth In-Ear Headphones M/N:NS-CAHBTEB02-BLK
Manufacturer:
Operating Condition:  TX 2480MHz
Test Site:            2# Chamber
Operator:             LGWADE
Test Specification:   DC 3.7V
Comment:              Y
```

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
```

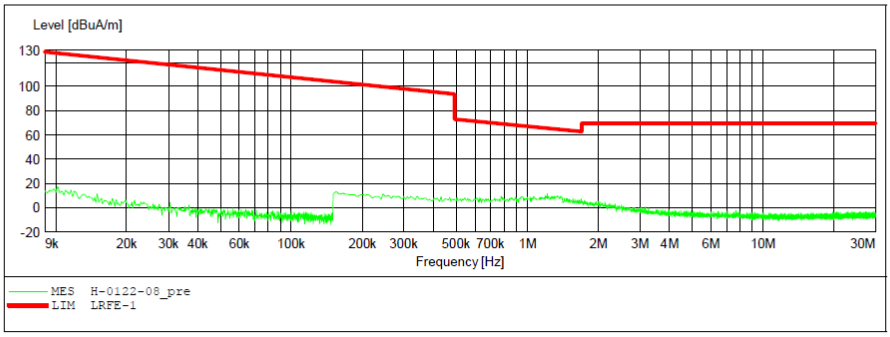


Figure 19: Test figure of spurious emissions, mode A.3, Horizontal polarity (30MHz – 1GHz)

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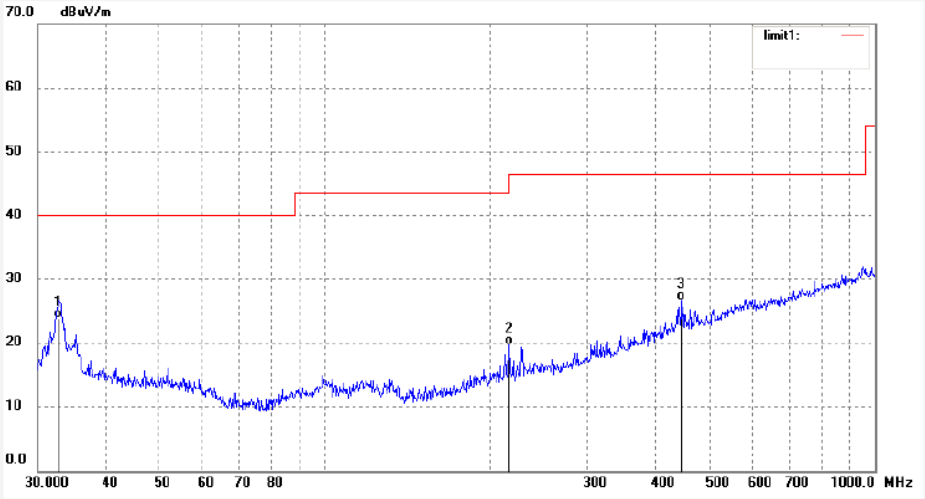
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1026	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.7486	34.15	-10.20	23.95	40.00	-16.05	QP			
2	216.0240	31.41	-11.66	19.75	46.40	-26.65	QP			
3	444.8514	32.17	-5.43	26.74	46.40	-19.66	QP			

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

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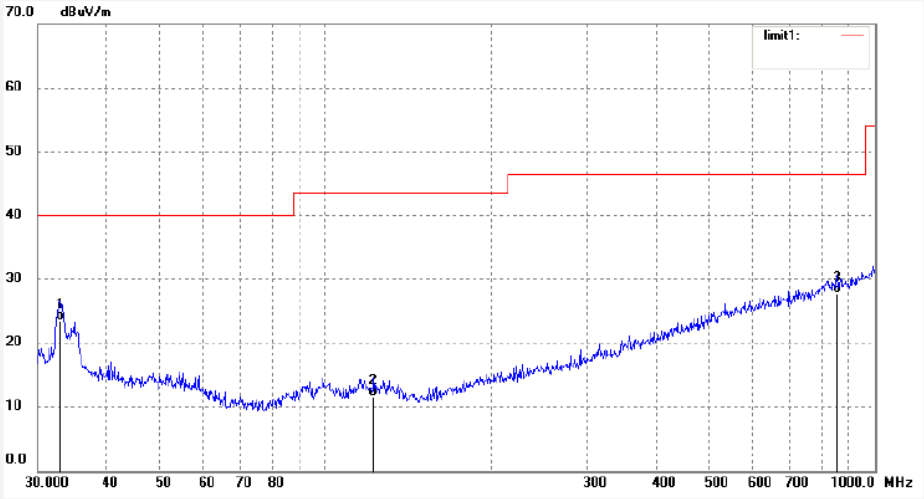
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1027	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.9791	33.35	-9.82	23.53	40.00	-16.47	QP			
2	122.4039	24.91	-13.33	11.58	43.50	-31.92	QP			
3	854.0247	26.15	1.59	27.74	46.40	-18.66	QP			

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

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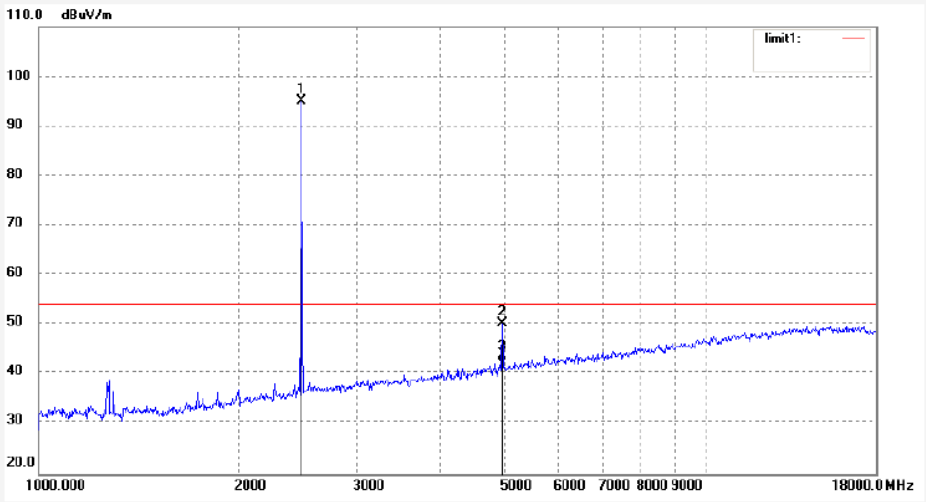
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1013	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



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	96.50	-1.40	95.10	/	/	peak			
2	4960.026	44.15	6.10	50.25	74.00	-23.75	peak			
3	4960.026	36.27	6.10	42.37	54.00	-11.63	AVG			

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

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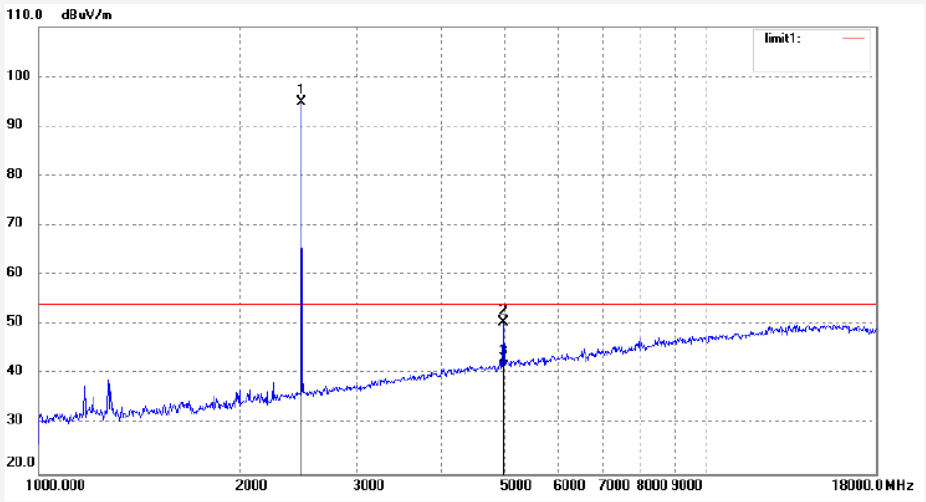
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1012	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



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	96.25	-1.40	94.85	/	/	peak			
2	4960.030	44.29	6.10	50.39	74.00	-23.61	peak			
3	4960.030	35.34	6.10	41.44	54.00	-12.56	AVG			

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

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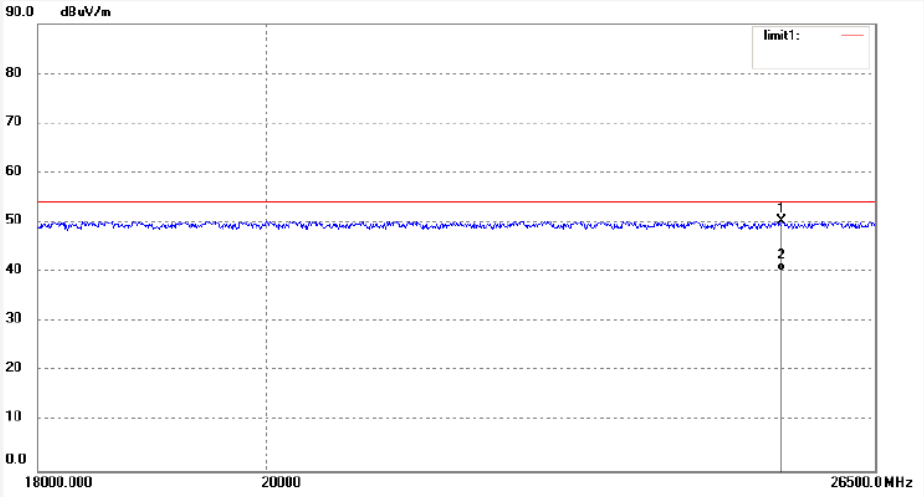
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1021	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25386.383	10.24	39.94	50.18	74.00	-23.82	peak			
2	25386.383	0.30	39.94	40.24	54.00	-13.76	AVG			

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

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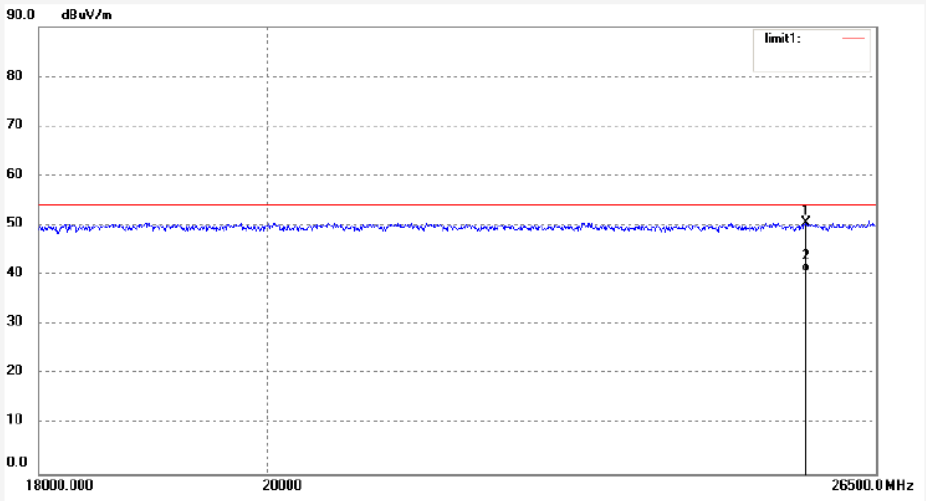
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1020	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25652.879	9.44	41.03	50.47	74.00	-23.53	peak			
2	25652.879	-0.49	41.03	40.54	54.00	-13.46	AVG			

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

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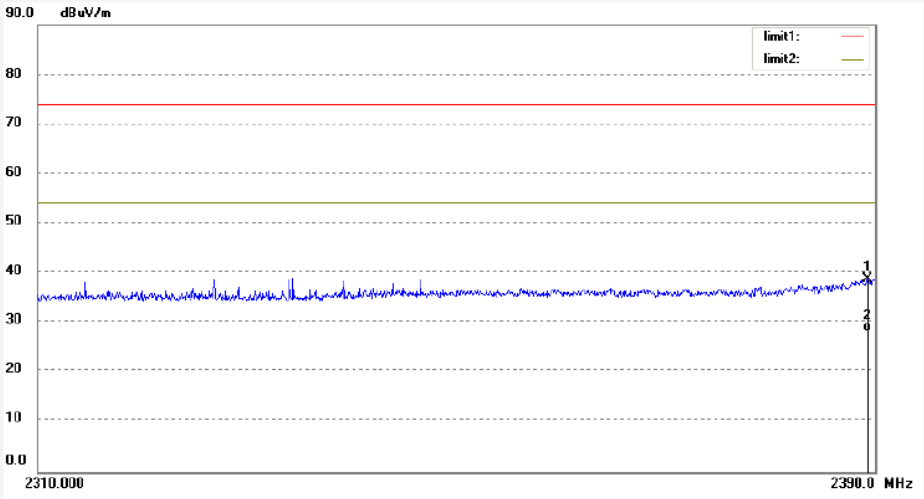
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1009	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2389.280	40.44	-1.71	38.73	74.00	-35.27	peak			
2	2389.280	30.05	-1.71	28.34	54.00	-25.66	AVG			

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

ACCURATE TECHNOLOGY CO., LTD.
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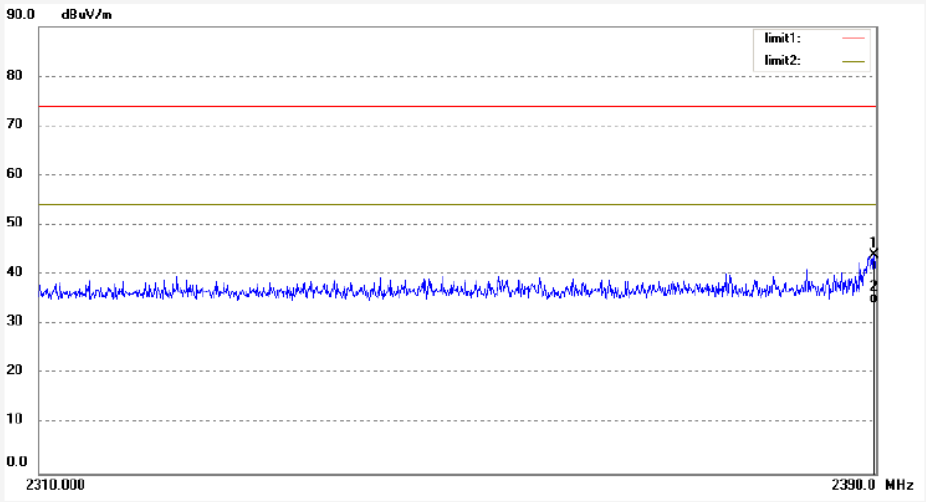
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1008	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2389.840	45.73	-1.71	44.02	74.00	-29.98	peak			
2	2389.840	35.95	-1.71	34.24	54.00	-19.76	AVG			

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

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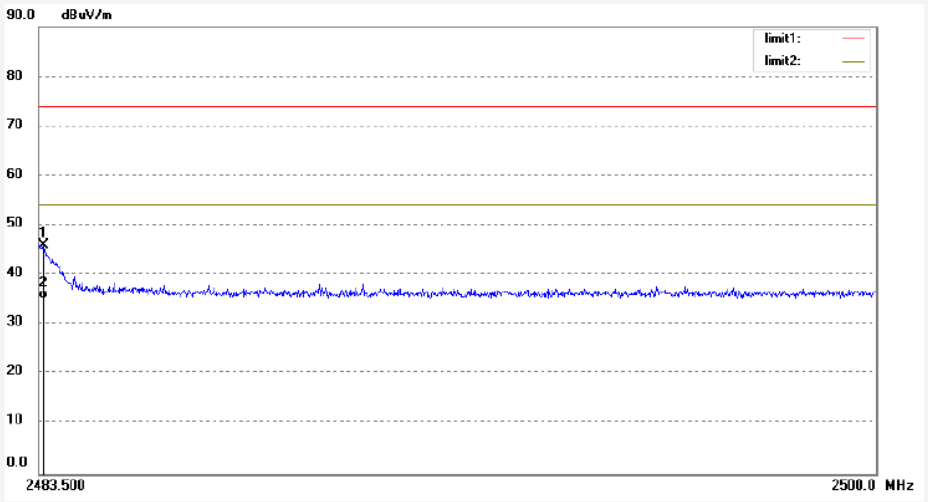
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1014	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.599	47.31	-1.40	45.91	74.00	-28.09	peak			
2	2483.599	36.54	-1.40	35.14	54.00	-18.86	AVG			

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

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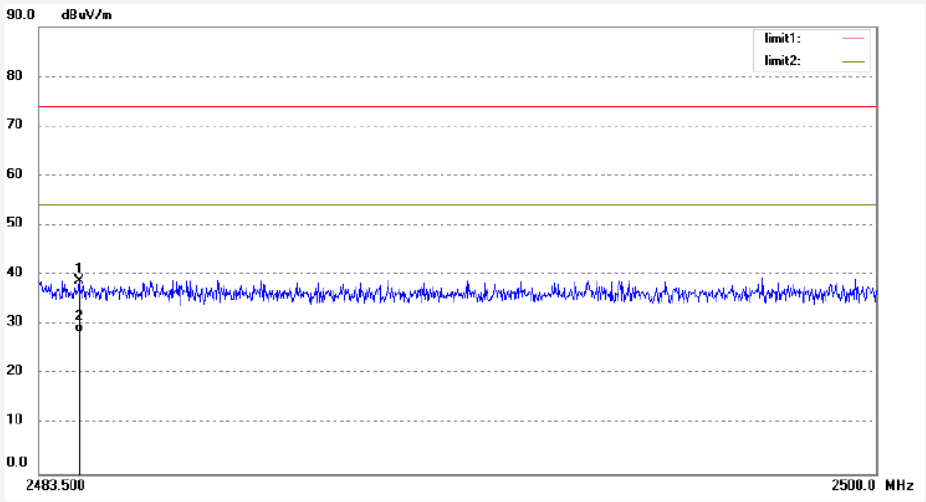
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

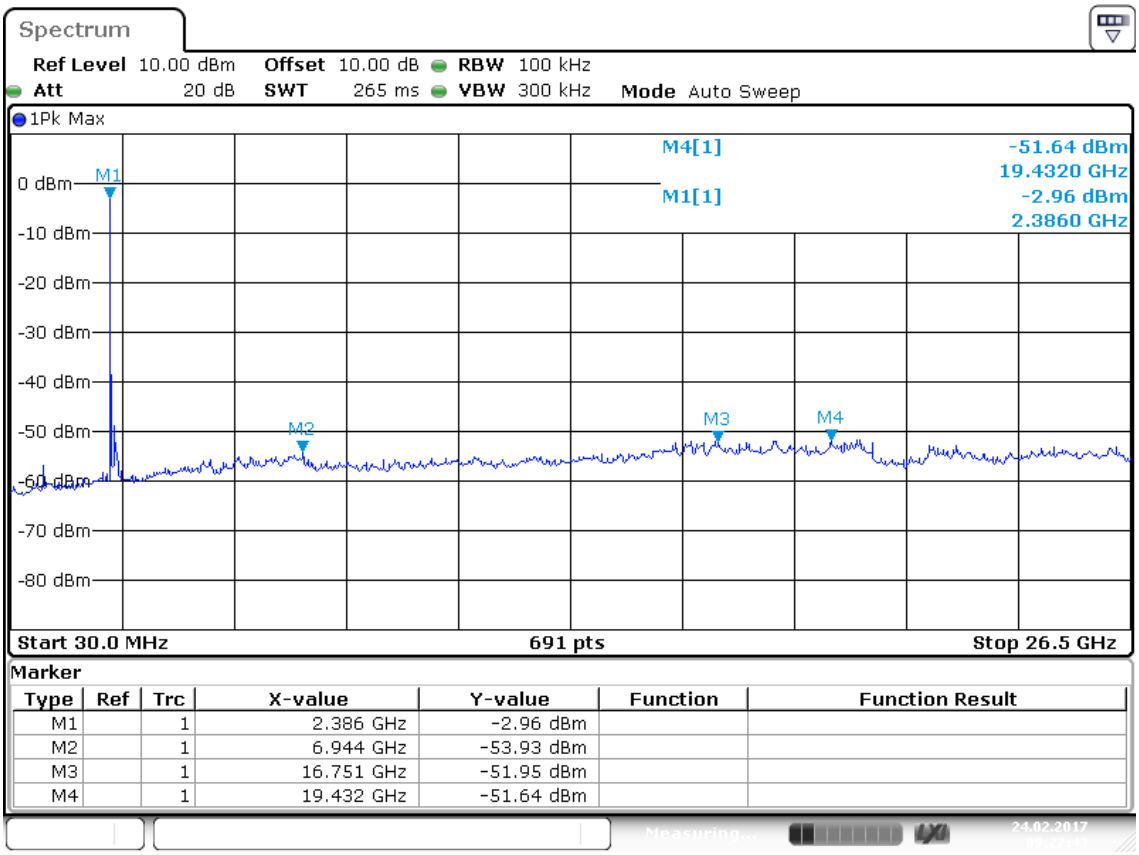
Job No.: LGW2017 #1015	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note: Bluetooth



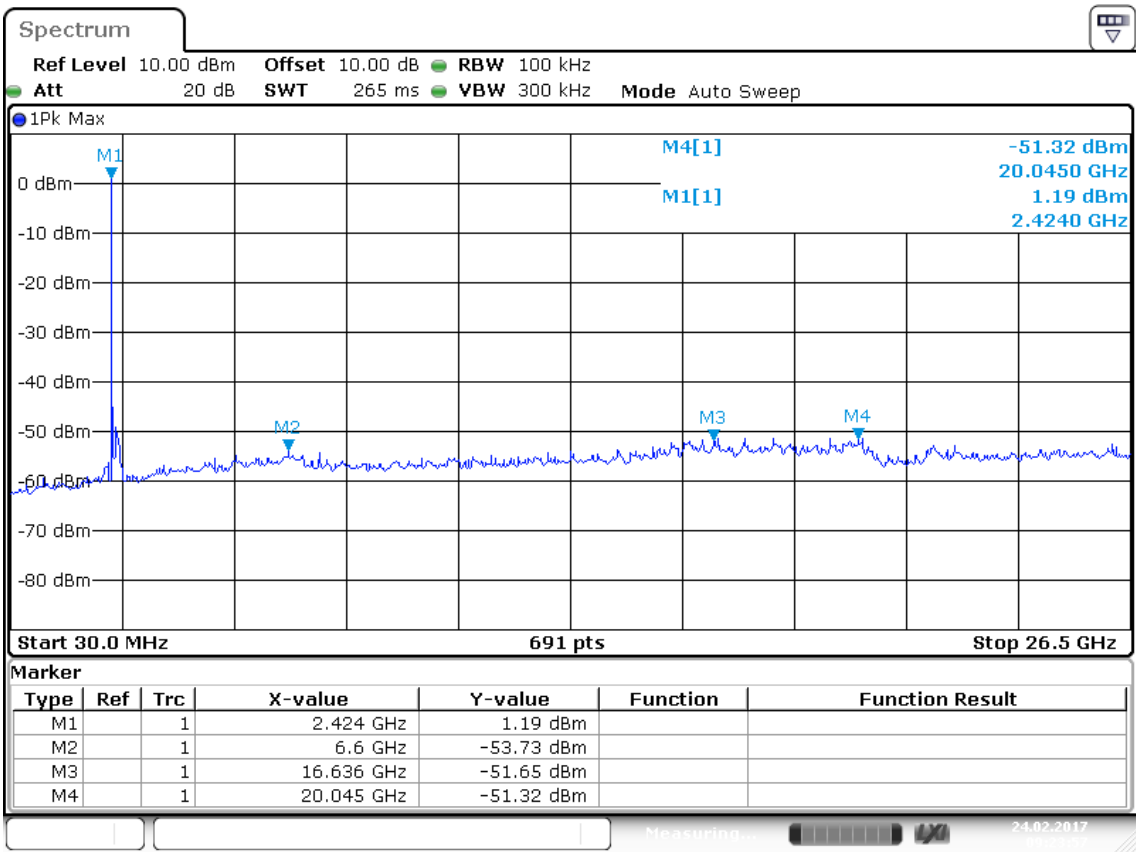
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2484.292	40.20	-1.41	38.79	74.00	-35.21	peak			
2	2484.292	29.95	-1.41	28.54	54.00	-25.46	AVG			

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



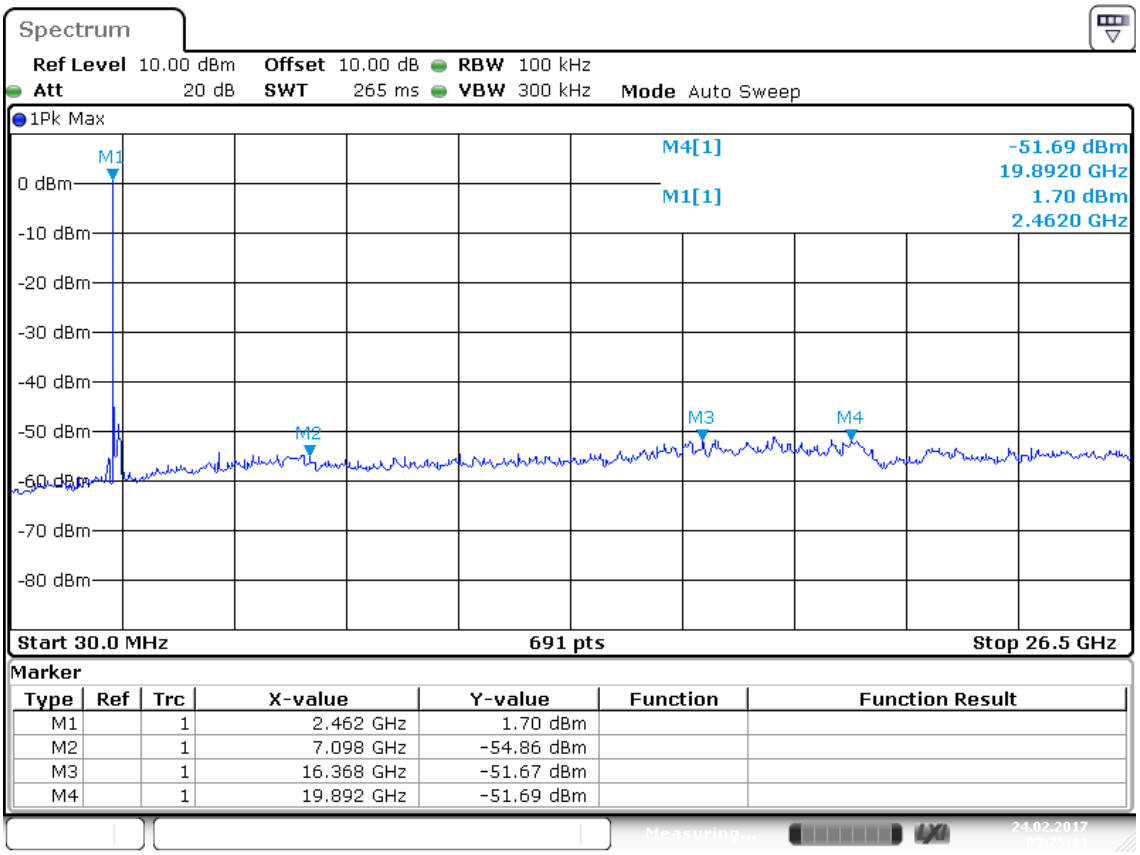
Date: 24.FEB.2017 09:22:44

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



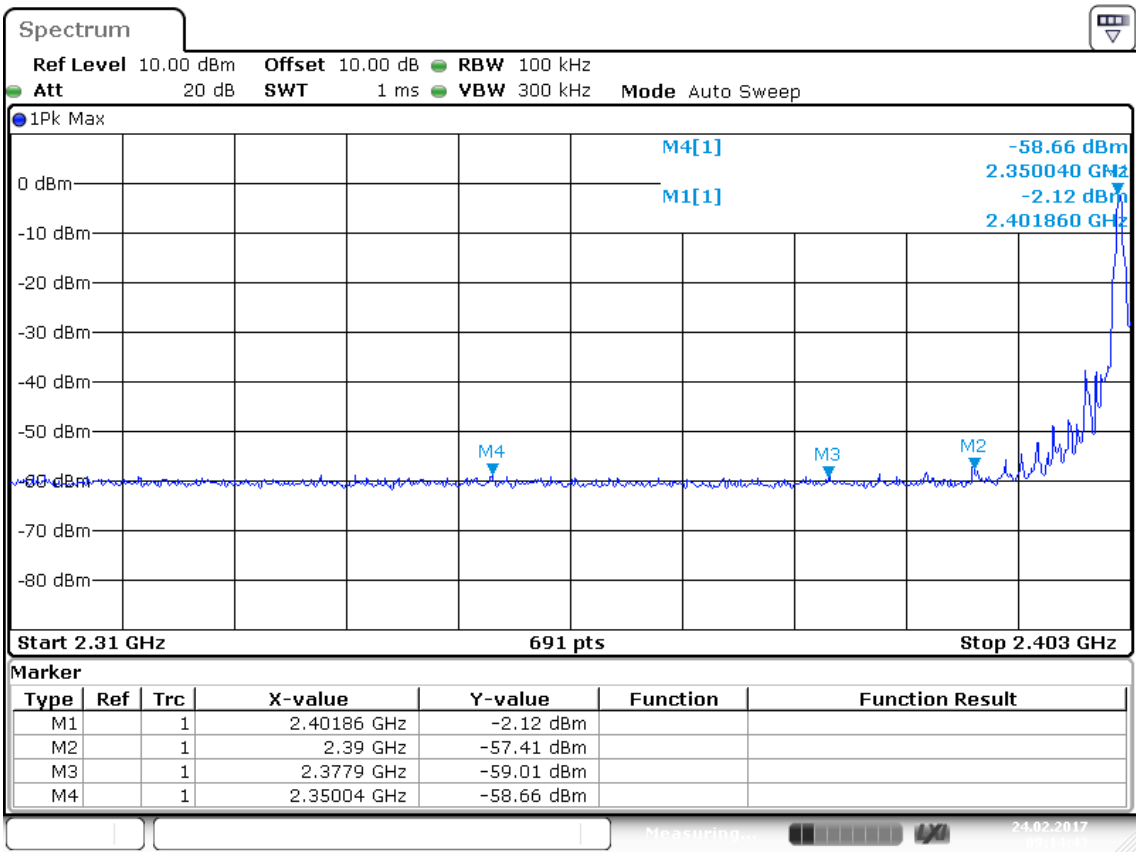
Date: 24.FEB.2017 09:23:58

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



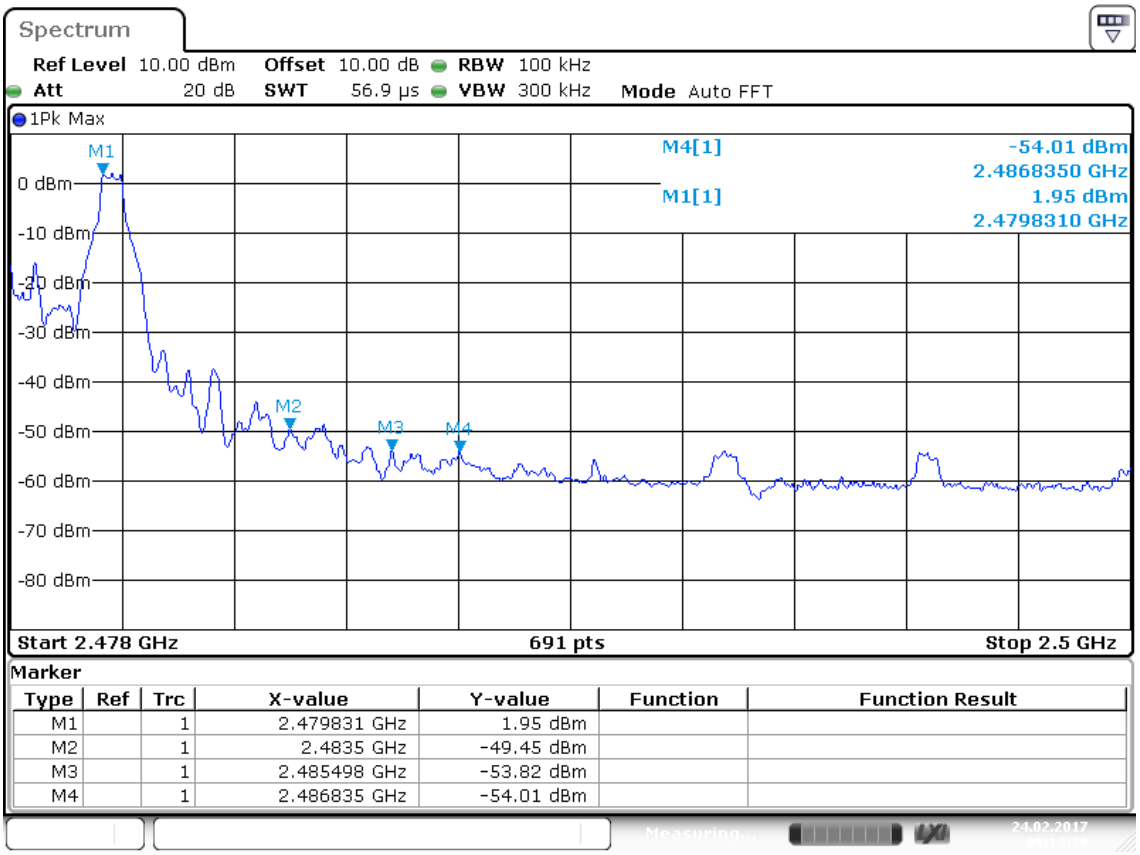
Date: 24.FEB.2017 09:25:11

Figure 32: Test figure of Frequency Band Edge in 100kHz Bandwidth, Mode A.1



Date: 24.FEB.2017 09:14:44

Figure 33: Test figure of Frequency Band Edge in 100kHz Bandwidth, Mode A.3



Date: 24.FEB.2017 09:13:39

Figure 34: Test figure of Conducted emissions, Mode B, line live

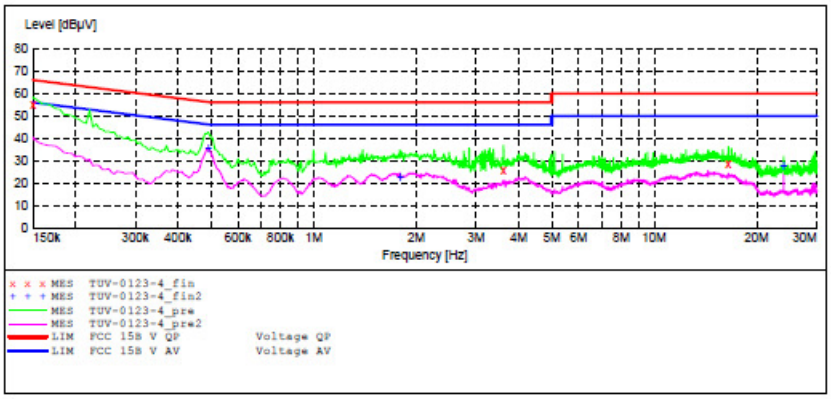
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                  Bluetooth In-Ear Headphones M/N:NS-CAHBTEB02-BLK
Manufacturer:
Operating Condition:  TX
Test Site:            1#Shielding Room
Operator:             LGWADE
Test Specification:   L 120V/60Hz
Comment:              Mains Port
Start of Test:        1/23/2017 /
```

SCAN TABLE: "V 9K-30MHz 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   NSLK8126 2008
                                   Average
  150.0 kHz  30.0 MHz   5.0 kHz    QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                   Average
```



MEASUREMENT RESULT: "TUV-0123-4_fin"

```
1/23/2017
   Frequency     Level  Transd  Limit  Margin  Detector  Line   PE
         MHz      dBµV      dB   dBµV      dB

    0.150000     54.70    10.5     66    11.3  QP        L1     GND
    3.610000     25.30    11.1     56    30.7  QP        L1     GND
   16.495000     28.10    11.4     60    31.9  QP        L1     GND
```

MEASUREMENT RESULT: "TUV-0123-4_fin2"

```
1/23/2017
   Frequency     Level  Transd  Limit  Margin  Detector  Line   PE
         MHz      dBµV      dB   dBµV      dB

    0.490000     35.30    10.7     46    10.9  AV        L1     GND
    1.790000     22.80    11.0     46    23.2  AV        L1     GND
   23.995000     27.50    11.5     50    22.5  AV        L1     GND
```

Figure 35: Test figure of Conducted emissions, Mode B, line neutral

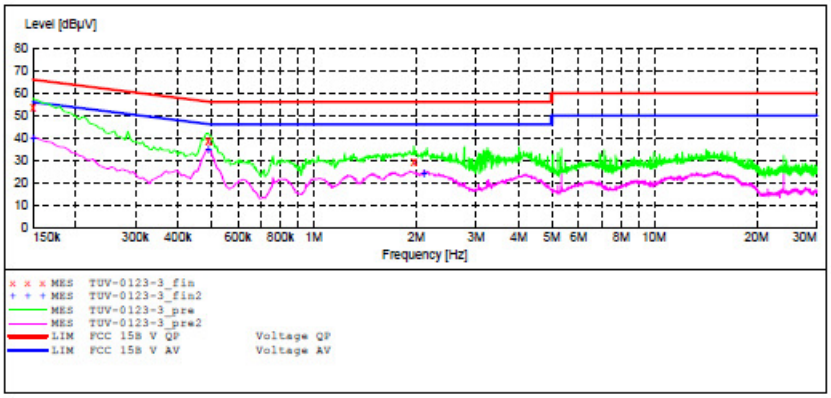
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                  Bluetooth In-Ear Headphones M/N:NS-CAHBTEB02-BLK
Manufacturer:
Operating Condition:  TX
Test Site:            1#Shielding Room
Operator:             LGWADE
Test Specification:   N 120V/60Hz
Comment:              Mains Port
Start of Test:        1/23/2017 /
```

SCAN TABLE: "V 9K-30MHz 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   NSLK8126 2008
                                   Average
  150.0 kHz  30.0 MHz   5.0 kHz    QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                   Average
```



MEASUREMENT RESULT: "TUV-0123-3_fin"

```
1/23/2017
   Frequency     Level  Transd  Limit  Margin  Detector  Line    PE
         MHz      dBµV      dB   dBµV      dB

    0.150000     53.60    10.5     66    12.4  QP        N       GND
    0.490000     38.60    10.7     56    17.6  QP        N       GND
    1.970000     29.20    11.0     56    26.8  QP        N       GND
```

MEASUREMENT RESULT: "TUV-0123-3_fin2"

```
1/23/2017
   Frequency     Level  Transd  Limit  Margin  Detector  Line    PE
         MHz      dBµV      dB   dBµV      dB

    0.150000     39.60    10.5     56    16.4  AV        N       GND
    0.490000     35.00    10.7     46    11.2  AV        N       GND
    2.110000     24.40    11.0     46    21.6  AV        N       GND
```

Figure 36: Test figure of Conducted emissions, Mode C, line live

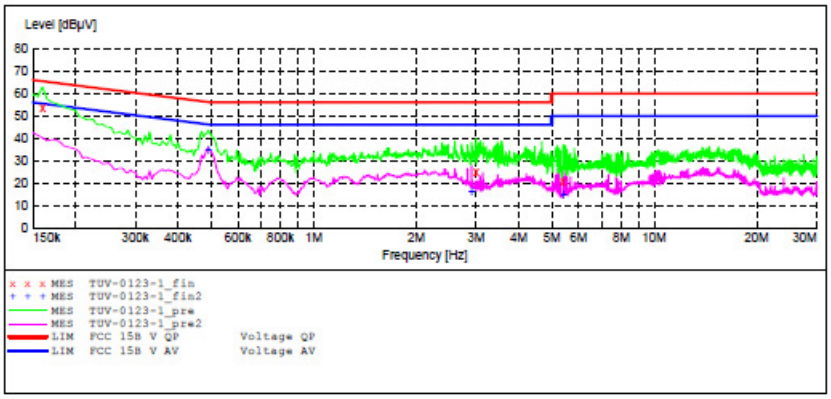
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                  Bluetooth In-Ear Headphones M/N:NS-CAHBTEB02-BLK
Manufacturer:
Operating Condition:  Charging
Test Site:            1#Shielding Room
Operator:             LGWADE
Test Specification:   L 120V/60Hz
Comment:              Mains Port
Start of Test:        1/23/2017 /
```

SCAN TABLE: "V 9K-30MHz 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   NSLK8126 2008
                                   Average
  150.0 kHz  30.0 MHz   5.0 kHz    QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                   Average
```



MEASUREMENT RESULT: "TUV-0123-1_fin"

```
1/23/2017
   Frequency     Level  Transd  Limit  Margin  Detector  Line   PE
         MHz     dBµV      dB   dBµV      dB

    0.160000     53.60   10.5     66    11.9  QP        L1     GND
    3.000000     24.90   11.1     56    31.1  QP        L1     GND
    5.410000     20.90   11.2     60    39.1  QP        L1     GND
```

MEASUREMENT RESULT: "TUV-0123-1_fin2"

```
1/23/2017
   Frequency     Level  Transd  Limit  Margin  Detector  Line   PE
         MHz     dBµV      dB   dBµV      dB

    0.490000     34.90   10.7     46    11.3  AV        L1     GND
    2.910000     16.30   11.0     46    29.7  AV        L1     GND
    5.410000     14.50   11.2     50    35.5  AV        L1     GND
```

Figure 37: Test figure of Conducted emissions, Mode C, line neutral

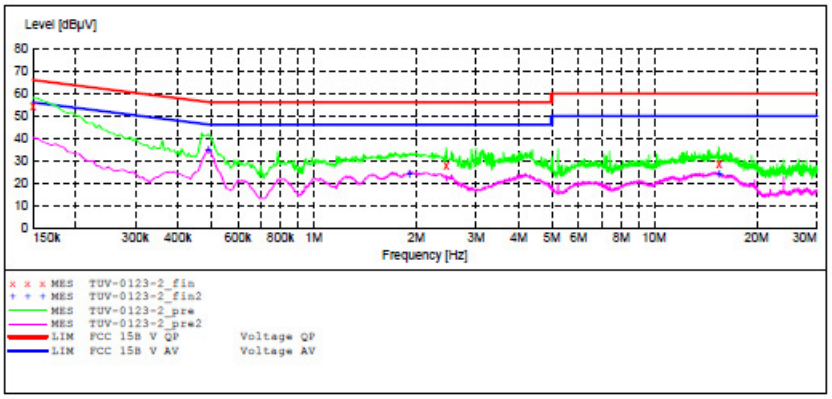
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                  Bluetooth In-Ear Headphones M/N:NS-CAHBTEB02-BLK
Manufacturer:
Operating Condition:  Charging
Test Site:            1#Shielding Room
Operator:             LGWADE
Test Specification:   N 120V/60Hz
Comment:              Mains Port
Start of Test:        1/23/2017 /
```

SCAN TABLE: "V 9K-30MHz 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   NSLK8126 2008
                                   Average
  150.0 kHz  30.0 MHz   5.0 kHz    QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                   Average
```



MEASUREMENT RESULT: "TUV-0123-2_fin"

1/23/2017

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	54.30	10.5	66	11.7	QP	N	GND
2.450000	28.00	11.0	56	28.0	QP	N	GND
15.490000	28.20	11.4	60	31.8	QP	N	GND

MEASUREMENT RESULT: "TUV-0123-2_fin2"

1/23/2017

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.490000	34.80	10.7	46	11.4	AV	N	GND
1.910000	24.40	11.0	46	21.6	AV	N	GND
15.490000	23.80	11.4	50	26.2	AV	N	GND

Figure 38: Test figure of Radiated emissions, Mode C, below 1GHz, Horizontal

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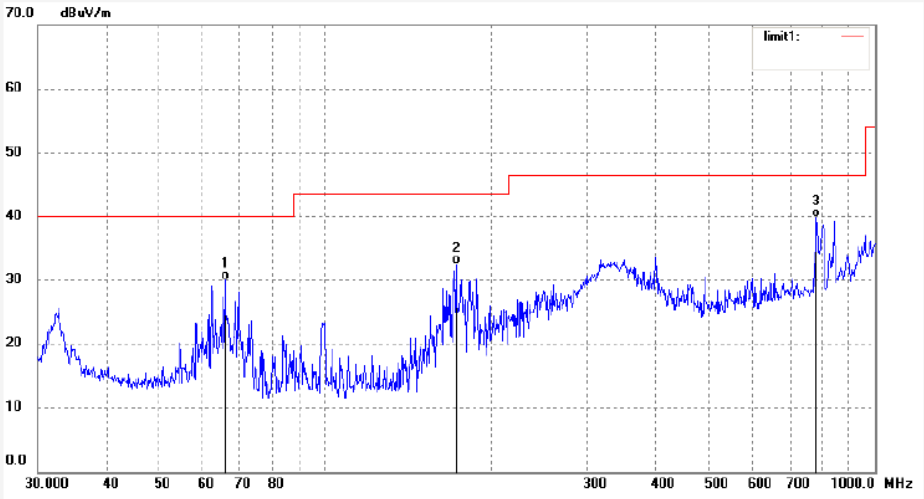
Job No.: LGW2017 #1045	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: Charging	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	65.8031	45.82	-15.75	30.07	40.00	-9.93	QP			
2	173.2050	46.03	-13.50	32.53	43.50	-10.97	QP			
3	782.3452	39.34	0.41	39.75	46.40	-6.65	QP			

Figure 39: Test figure of Radiated emissions, Mode C, below 1GHz, Vertical

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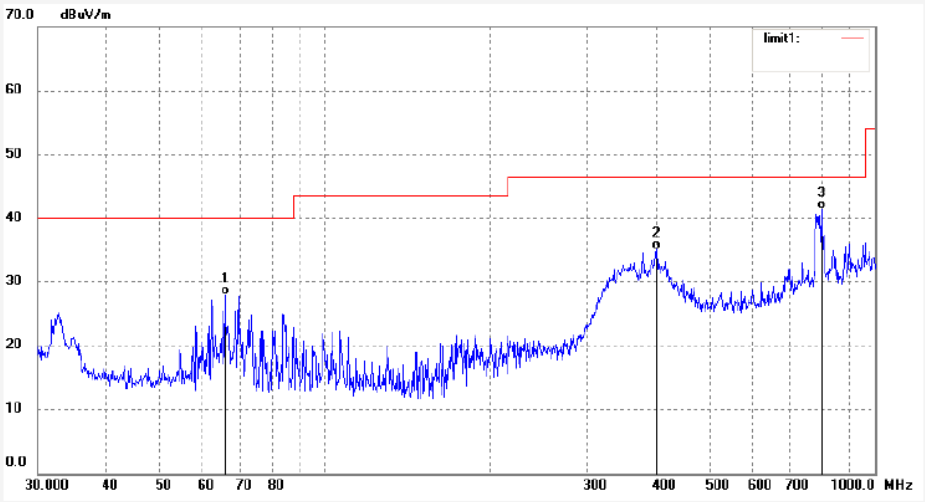
Job No.: LGW2017 #1044	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: Charging	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	65.8031	43.70	-15.75	27.95	40.00	-12.05	QP			
2	400.4318	41.44	-6.43	35.01	46.40	-11.39	QP			
3	798.9796	40.55	0.81	41.36	46.40	-5.04	QP			

Figure 40: Test figure of Radiated emissions, Mode C, above 1GHz, Horizontal

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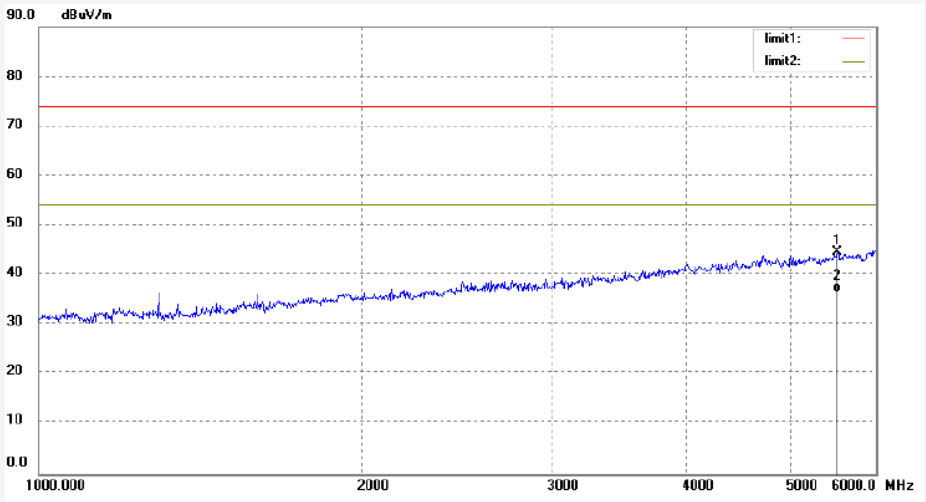
Job No.: LGW2017 #1046	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: Charging	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5525.306	37.27	7.48	44.75	74.00	-29.25	peak			
2	5525.306	29.09	7.48	36.57	54.00	-17.43	AVG			

Figure 41: Test figure of Radiated emissions, Mode C, above 1GHz, Vertical

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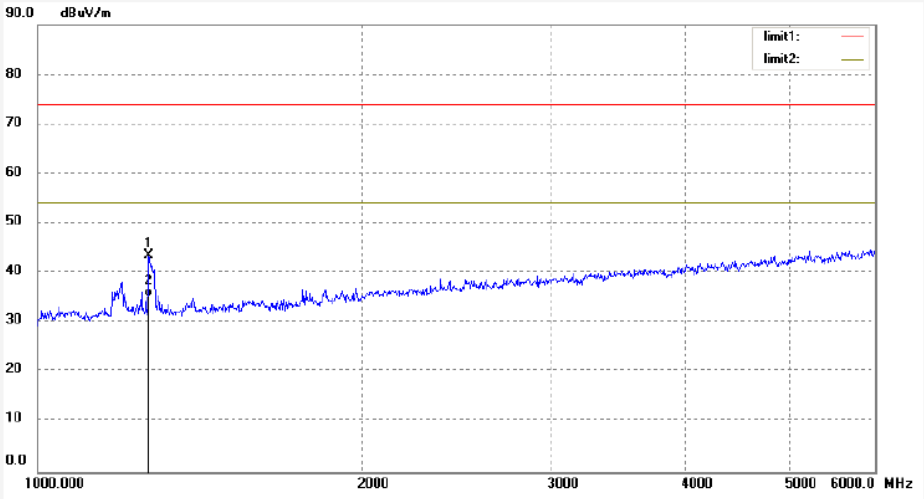
Job No.: LGW2017 #1047	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 17/01/23/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth In-Ear Headphones	Engineer Signature: LGWADE
Mode: Charging	Distance: 3m
Model: NS-CAHBTEB02-BLK	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1269.095	52.13	-8.69	43.44	74.00	-30.56	peak			
2	1269.095	43.92	-8.69	35.23	54.00	-18.77	AVG			