

<b>Prüfbericht-Nr.:</b> <i>Test Report No.:</i>	<b>17057455 001</b>	<b>Auftrags-Nr.:</b> <i>Order No.:</i>	<b>164052855</b>	<b>Seite 1 von 29</b> <i>Page 1 of 29</i>	
<b>Kunden-Referenz-Nr.:</b> <i>Client Reference No.:</i>	<b>N/A</b>	<b>Auftragsdatum:</b> <i>Order date:</i>	<b>07.01.2016</b>		
<b>Auftraggeber:</b> <i>Client:</i>	<b>Country Mate Technology Ltd</b> 5/F., Block E, Hing Yip Centre 31 Hing Yip St., Kwun Tong, Kln., H.K.				
<b>Prüfgegenstand:</b> <i>Test item:</i>	<b>Bluetooth Earpods</b>				
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type No.:</i>	<b>NS-CAHBTEP01</b>				
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	<b>FCC/IC Certification</b>				
<b>Prüfgrundlage:</b> <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247    RSS-247 Issue 1 May 2015 CFR47 FCC Part 15: Subpart B Section 15.107    RSS-Gen Issue 4 November 2014 CFR47 FCC Part 15: Subpart B Section 15.109    ICES-003 Issue 5 August 2012 CFR47 FCC Part 15: Subpart C Section 15.209    RSS-102 Issue 5 March 2015 FCC KDB Publication 447498 D01 v06				
<b>Wareneingangsdatum:</b> <i>Date of receipt:</i>	<b>12.01.2016</b>				
<b>Prüfmuster-Nr.:</b> <i>Test sample No.:</i>	<b>A000307233-002, A000307233-003</b>				
<b>Prüfzeitraum:</b> <i>Testing period:</i>	<b>14.01.2016 - 16.01.2016</b>				
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	<b>Accurate Technology Co., Ltd.</b>				
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	<b>TÜV Rheinland (Shenzhen) Co., Ltd.</b>				
<b>Prüfergebnis*:</b> <i>Test result*:</i>	<b>Pass</b>				
<b>geprüft von / tested by:</b>		<b>kontrolliert von / reviewed by:</b>			
18.03.2016    Lin Lin/Project Manager		18.03.2016    Winnie Hou/Technical Certifier			
<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>
<b>Sonstiges / Other:</b>					
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>			<b>Prüfmuster vollständig und unbeschädigt</b> <i>Test item complete and undamaged</i>		
* 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					
<b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b> <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>					

## TEST SUMMARY

**5.1.1 ANTENNA REQUIREMENT***RESULT: Pass***5.1.2 PEAK OUTPUT POWER***RESULT: Pass***5.1.3 20dB BANDWIDTH AND 99% BANDWIDTH***RESULT: Pass***5.1.4 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHZ BANDWIDTH***RESULT: Pass***5.1.5 SPURIOUS EMISSION***RESULT: Pass***5.1.6 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***5.2.1 ELECTROMAGNETIC FIELDS***RESULT: Pass*

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## 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.

**(FCC Registration No.: 752051)**

**(Test site Industry Canada No.: 5077A-2)**

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

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
<b>Transmitter spurious emissions</b>				
Spectrum Analyzer	Rohde & Schwarz	FSV40	101495	2017-01-09
Test Receiver	Rohde & Schwarz	ESCS30	100307	2017-01-09
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2017-01-09
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2017-01-09
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2017-01-09
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2017-01-09
RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	2017-01-09
Pre-Amplifier	Rohde&Schwarz	CBLU11835 40-01	3791	2017-01-09
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2017-01-09
RF Coaxial Cable	SUHNER	N-3m	No.8	2017-01-09
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2017-01-09
RF Coaxial Cable	SUHNER	N-6m	No.10	2017-01-09
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2017-01-09
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2017-01-09
<b>Radio Spectrum Test</b>				
Spectrum Analyzer	Rohde & Schwarz	FSV40	101495	2017-01-09
Vector Signal Generator	Rohde & Schwarz	SMBV100A	260434	2017-01-09
Signal Generator	Rohde & Schwarz	SMB100A	108362	2017-01-09
Open Switch and Control Unit	Rohde & Schwarz	OSP120 + OSP-B157	101244 + 100866	2017-01-09

## 2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, 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 basis using in house standards or comparisons.

## 2.5 Measurement Uncertainty

**Table 2: Measurement Uncertainty**

Parameter	Uncertainty
Radio Spectrum	$< \pm 0.60$ dB
Radiated emission of transmitter, valid up to 26.5 GHz	$< \pm 4.42$ dB
Conducted Emission	$< \pm 2.23$ dB
Radiated Emission	$< \pm 4.42$ dB

## 2.6 Location of Original Data

The original copies of all test data taken during actual testing were 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 Material Port Keyuan Rd., Science & Industry Park, Nanshan, Shenzhen, 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 EUTs are Bluetooth earphone used for audio entertainment in house or similar environment. It operates at 2.4GHz ISM frequency band.  
 Two models are identical except the model name.  
 For details refer to the User Manual and Circuit Diagram.

#### 3.2 Ratings and System Details

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

Technical Specification	Value
Kind of Equipment	Bluetooth Earpods
Type Designation	NS-CAHBTEP01
FCC ID	MV3-CAHBTEP01
IC	9029A-CAHBTEP01
Operating Frequency band	2402 – 2480MHz
Channel separation	1MHz
Extreme Temperature Range	-5~+50°C
Operation Voltage	DC 3.7V
Modulation	FHSS, GFSK, 8DPSK, $\pi/4$ DQPSK
Bluetooth version	4.1
Antenna Gain	2dBi

**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	21	2423.00	42	2444.00	63	2465.00
1	2403.00	22	2424.00	43	2445.00	64	2466.00
2	2404.00	23	2425.00	44	2446.00	65	2467.00
3	2405.00	24	2426.00	45	2447.00	66	2468.00
4	2406.00	25	2427.00	46	2448.00	67	2469.00
5	2407.00	26	2428.00	47	2449.00	68	2470.00
6	2408.00	27	2429.00	48	2450.00	69	2471.00
7	2409.00	28	2430.00	49	2451.00	70	2472.00
8	2410.00	29	2431.00	50	2452.00	71	2473.00
9	2411.00	30	2432.00	51	2453.00	72	2474.00
10	2412.00	31	2433.00	52	2454.00	73	2475.00
11	2413.00	32	2434.00	53	2455.00	74	2476.00



12	2414.00	33	2435.00	54	2456.00	75	2477.00
13	2415.00	34	2436.00	55	2457.00	76	2478.00
14	2416.00	35	2437.00	56	2458.00	77	2479.00
15	2417.00	36	2438.00	57	2459.00	78	2480.00
16	2418.00	37	2439.00	58	2460.00		
17	2419.00	38	2440.00	59	2461.00		
18	2420.00	39	2441.00	60	2462.00		
19	2421.00	40	2442.00	61	2463.00		
20	2422.00	41	2443.00	62	2464.00		

### 3.3 Independent Operation Modes

The basic operation modes are:

- A. Bluetooth mode
  - 1. Transmitting
    - a. Lowest channel
    - b. Middle channel
    - c. Highest channel
  - 2. Receiving
- B. Charging
- C. Standby
- 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
- 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 & ANSI C63.10: 2013. According to clause 3.1, all tests were applied on model NS-CAHBT02-BK only.

### 4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

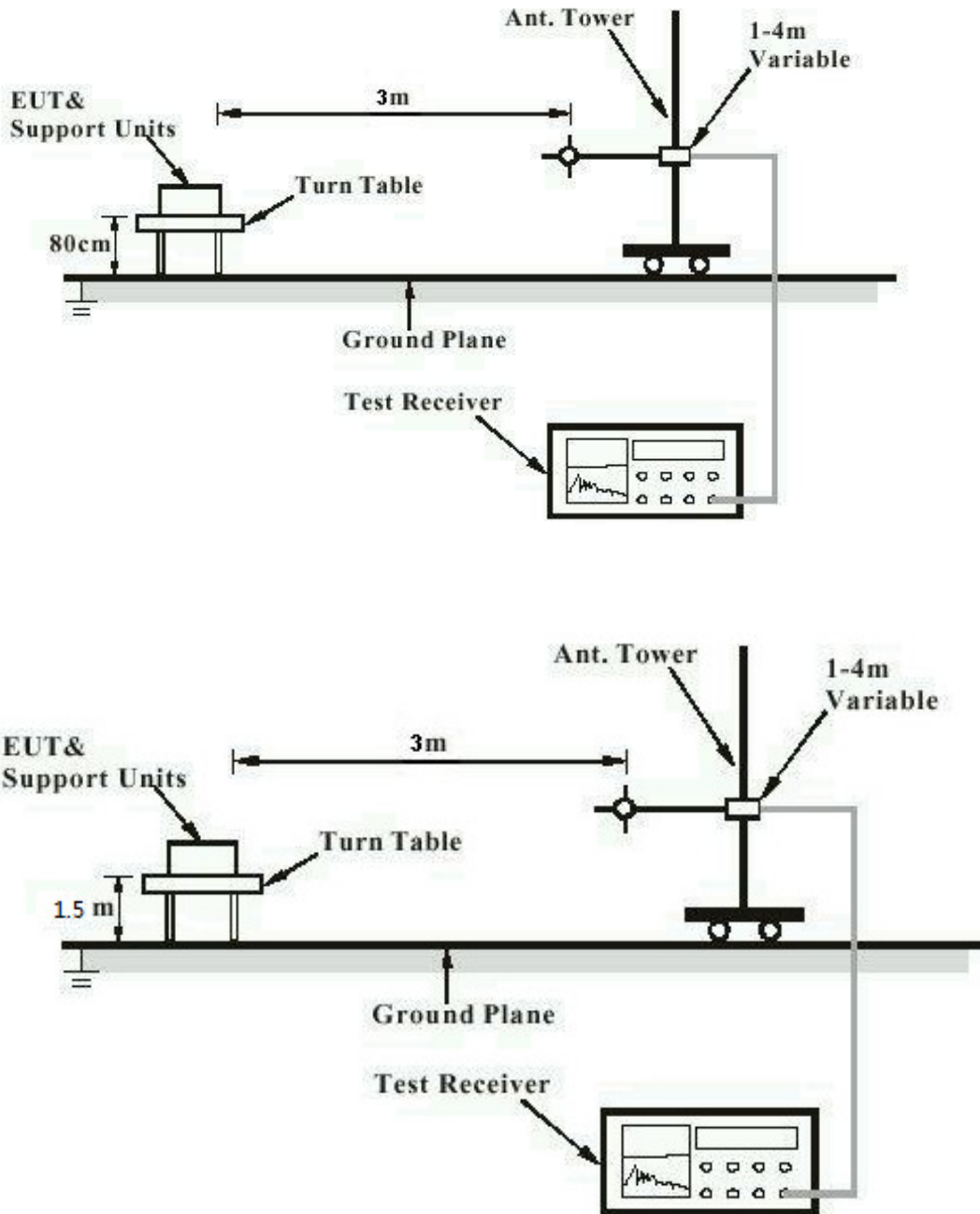
Description	Manufacturer	Part No.	S/N
iPhone6	Apple	MG4J2 CH/A	F17NTK2QG5MV
Notebook PC	Lenovo	ThinkPad X240	---
Printer	HP	HP laserjet 1015	CNFG030424

### 4.4 Countermeasures to achieve EMC Compliance

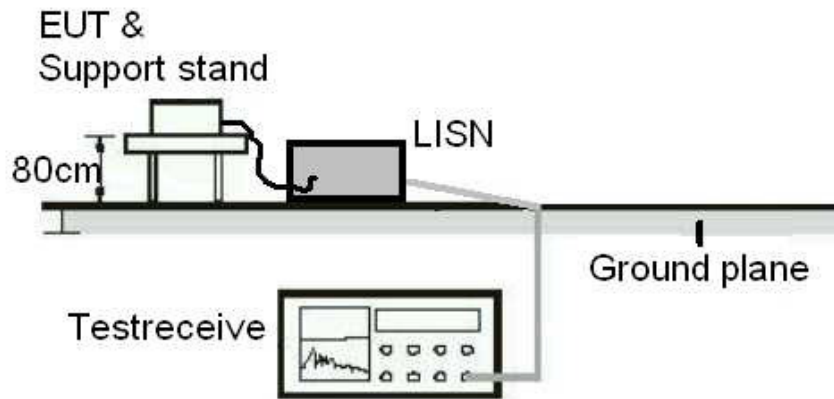
The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

## 4.5 Test Setup Diagram

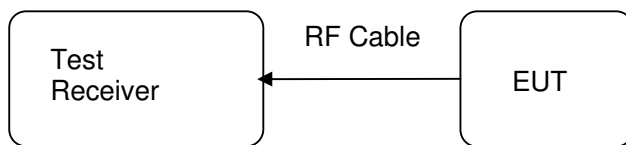
Diagram of Measurement Configuration for Radiation Test



**Diagram of Measurement Equipment Configuration for Conduction Measurement**



**Diagram of Measurement Equipment Configuration for Transmitter Measurement**



## 5. Test Results

### 5.1 Transmitter Requirement & Test Suites

#### 5.1.1 Antenna Requirement

**RESULT:** **Pass**

Test standard : Part 15.203  
RSS-Gen Clause 8.3  
Limit 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 2dBi, 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.

### 5.1.2 Peak Output Power

**RESULT:**
**Pass**

Test date : 2016-01-14  
 Test standard : FCC Part 15.247(b)(1)  
 RSS-247 clause 5.4(2)  
 Basic standard : ANSI C63.10: 2013  
 Clause 9.1 of KDB 558074 v03r01  
 Limit : 1W  
 Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A.1  
 Ambient temperature : 25°C  
 Relative humidity : 50%  
 Atmospheric pressure : 101kPa

**Table 5: Test result of Peak Output Power of Buletooth (BR mode)**

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2402	4.02	30
Middle Channel	2441	3.85	30
High Channel	2480	3.68	30

**Table 6: Test result of Peak Output Power of Bluetooth (EDR mode)**

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2402	4.96	30
Middle Channel	2441	4.87	30
High Channel	2480	4.94	30

### 5.1.3 20dB Bandwidth and 99% Bandwidth

**RESULT:**
**Pass**

Date of testing : 2016-01-14  
 Test standard : FCC Part 15.247(a)(1)  
                   : RSS-247 clause 5.1(2)  
                   : RSS-Gen clause 6.6  
 Basic standard : ANSI C63.10: 2013  
                   : Clause 8 of KDB 558074 v03r01  
 Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A.1  
 Ambient temperature : 25°C  
 Relative humidity : 50%  
 Atmospheric pressure : 101kPa

**Table 7: Test result of 20dB & 99% Bandwidth of BR mode**

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	0.877	0.942
Mid Channel	2441	0.834	0.946
High Channel	2480	0.873	0.951

**Table 8: Test result of 20dB & 99% Bandwidth of EDR mode**

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	1.207	1.194
Mid Channel	2441	1.211	1.194
High Channel	2480	1.207	1.190



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**5.1.4 Conducted Spurious Emissions measured in 100kHz Bandwidth****RESULT:****Pass**

Date of testing : 2016-01-14  
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);  
Kind of test site : Shield room

**Test setup**

Test Channel : Low/ Middle/ High  
Operation mode : A.1  
Ambient temperature : 25°C  
Relative humidity : 50%  
Atmospheric pressure : 101kPa

Remark: all emissions are more than 20dB below fundamental.

For details refer to Appendix 1.

### 5.1.5 Spurious Emission

**RESULT:****Pass**

Date of testing : 2016-01-15  
Test standard : FCC part 15.247(d)  
RSS-Gen  
Basic standard : ANSI C63.10: 2013  
Clause 11 of KDB 558074 v03r01  
Limits : FCC part 15.209(a)  
Kind of test site : 3m Semi-Anechoic Chamber & Anechoic Chamber

**Test setup**

Test Channel : Low/ Middle/ High  
Operation mode : A.1  
Ambient temperature : 23°C  
Relative humidity : 48%  
Atmospheric pressure : 101kPa

**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 Frequency Separation

**RESULT:** **Pass**

Date of testing : 2016-01-14  
 Test standard : FCC part 15.247(a)(1)  
                       : RSS-247 clause 5.1(2)  
 Basic standard : ANSI C63.10: 2013  
 Limit :  $\geq 25\text{kHz}$  or two-thirds of 20dB bandwidth,  
               whichever is greater  
 Kind of test site : Shield room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A.1  
 Ambient temperature :  $25^{\circ}\text{C}$   
 Relative humidity : 50%  
 Atmospheric pressure : 101kPa

**Table 9: Test result of Frequency Separation**

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1.0029	$\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2403			
Mid Channel	2441	1.0029	$\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2442			
High Channel	2479	1.0029	$\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2480			

**5.1.7 Number of hopping frequency****RESULT:****Pass**

Date of testing : 2016-01-14  
Test standard : FCC part 15.247(a)(1)(iii)  
RSS-247 clause 5.1(4)  
Basic standard : ANSI C63.10: 2013  
Limits :  $\geq 15$  non-overlapping channels  
Kind of test site : Shield room

**Test setup**

Test Channel : Low/ Middle/ High  
Operation Mode : A.1  
Ambient temperature : 25°C  
Relative humidity : 50%  
Atmospheric pressure : 101kPa

**Table 10: Test result of Number of hopping frequency**

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

### 5.1.8 Time of Occupancy

**RESULT:****Pass**

Date of testing : 2016-01-14  
Test standard : FCC part 15.247(a)(1)(iii)  
RSS-247 clause 5.1(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.1  
Ambient temperature : 25°C  
Relative humidity : 50%  
Atmospheric pressure : 101kPa

**Table 11: Test result of Time of Occupancy**

Mode	Packet Type	Channel Frequency (MHz)	Packet Duration [ms]	Number of Hops per Channel	Dwell Time (ms)	Limit [ms]
BDR	DH1	2402	0.428	285	137	400
		2441	0.420	286	134	400
		2480	0.428	293	137	400
	DH3	2402	1.696	154	271	400
		2441	1.696	156	271	400
		2480	1.696	150	271	400
	DH5	2402	2.949	101	315	400
		2441	2.949	118	315	400
		2480	2.949	97	315	400
EDR	DH1	2402	0.428	291	137	400
		2441	0.428	288	137	400
		2480	0.428	290	137	400
	DH3	2402	1.688	159	270	400
		2441	1.688	153	270	400
		2480	1.696	156	271	400
	DH5	2402	2.949	119	315	400
		2441	2.949	121	315	400
		2480	2.949	111	315	400

### 5.1.9 Conducted emissions

**RESULT:****Pass**

Date of testing : 2016-01-16  
Test standard : FCC Part 15.107 (a)  
ICES-003 Issue 6 January 2016  
Basic standard : ANSI C63.4: 2014  
Frequency range : 0.15 – 30MHz  
Limits : FCC Part 15.107  
Kind of test site : Shield room

**Test setup**

Input Voltage : AC 120V, 60Hz  
Operation Mode : B  
Earthing : Not Connected  
Ambient temperature : 25°C  
Relative humidity : 52%  
Atmospheric pressure : 101kPa

For details refer to Appendix 1.

### 5.1.10 Radiated Emission

**RESULT:****Pass**

Date of testing : 2015-10-19  
Test standard : FCC Part 15.109 (a)  
ICES-003 Issue 5 August 2012  
Test procedure : ANSI C63.4: 2014  
Frequency range : 30 - 6000MHz  
Equipment Classification : Class B  
Limits : FCC Part 15.109(a)  
ICES-003 Issue 6 January 2016  
Kind of test site : 3m Semi-Anechoic Chamber

**Test setup**

Input Voltage : AC 120V, 60Hz  
Operation mode : B  
Earthing : Not connected  
Ambient temperature : 23°C  
Relative humidity : 48%  
Atmospheric pressure : 101kPa

For details refer to Appendix 1.

## 5.2 Radio Frequency Exposure Compliance

### 5.2.1 Electromagnetic Fields

**RESULT:****Pass**

Test standard : RSS-102 Issue 5 March 2015  
FCC KDB Publication 447498 D01 v06

The maximum radiated power of the transmitter is 3.13mW (4.96dBm) only, which less than 4mW. Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 5.

Since maximum radiated power of the transmitter is  $3.13\text{mW} < 10\text{mW}$ , and the distance from EUT to human is  $\geq 5\text{mm}$ , hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v06.



## 6. Photographs of the Test Set-Up

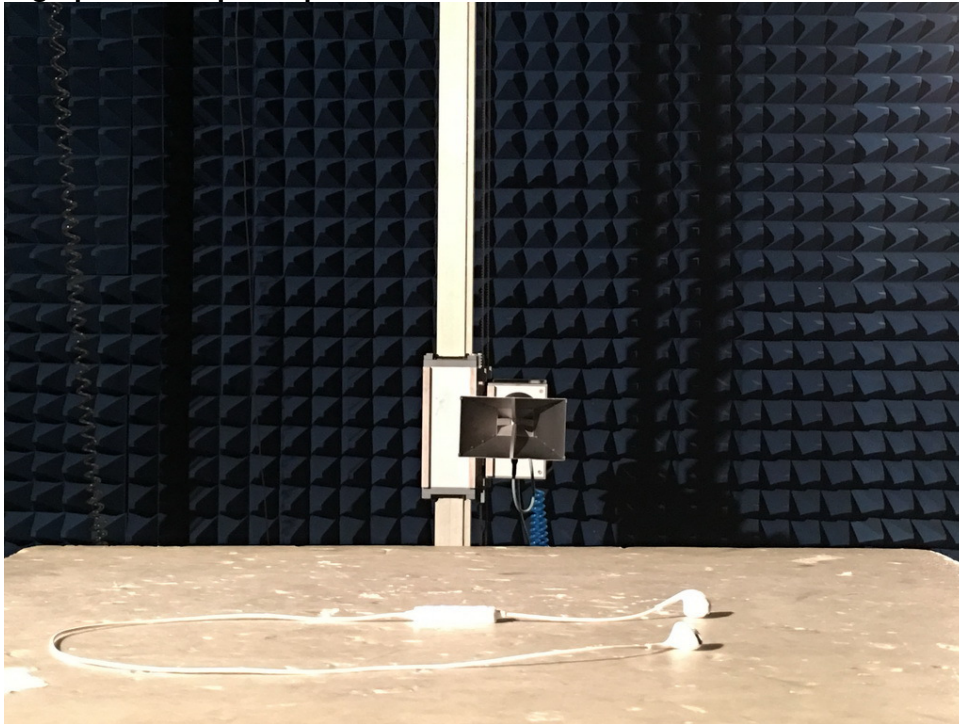
**Photograph 1: Set-up for Spurious Emissions for below 30MHz**



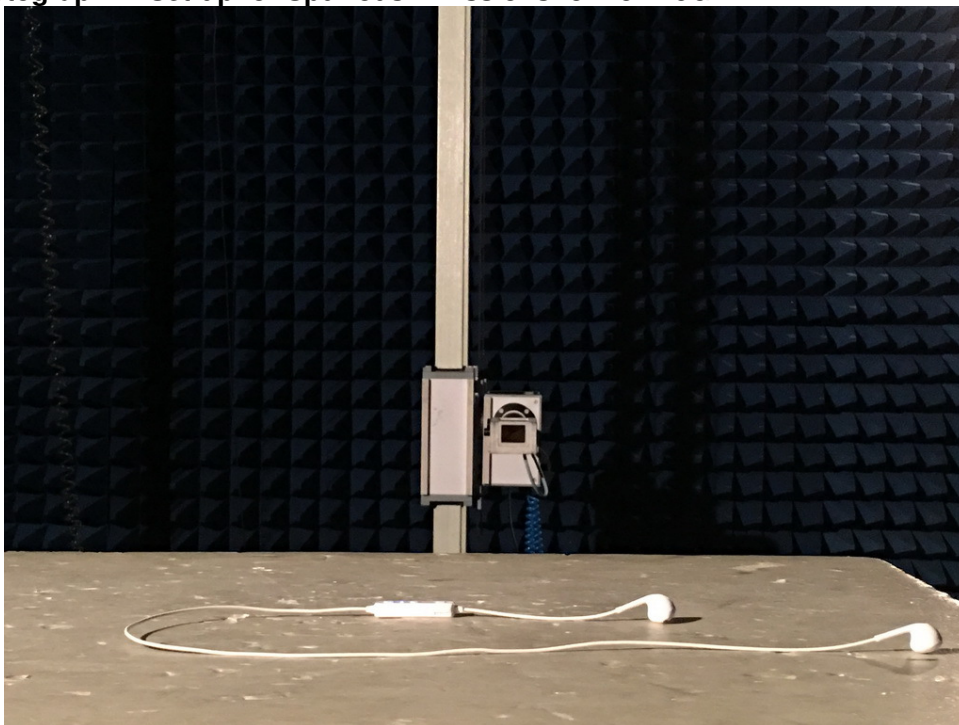
**Photograph 2: Set-up for Spurious Emissions for 30 - 1000MHz**



**Photograph 3: Set-up for Spurious Emissions for 1 - 18GHz**



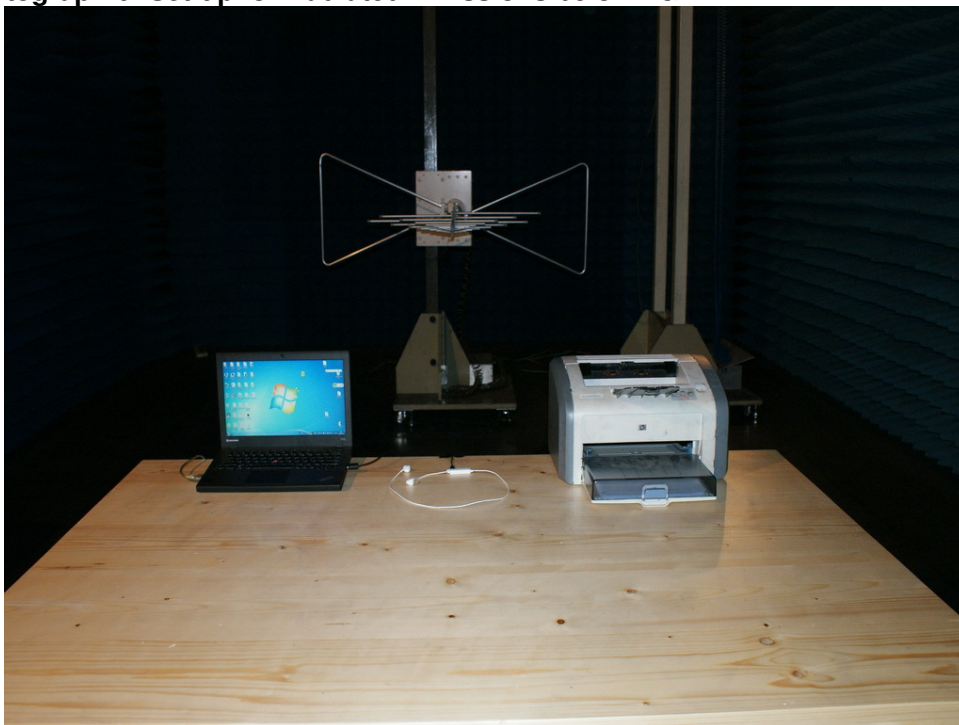
**Photograph 4: Set-up for Spurious Emissions for 18 - 25GHz**



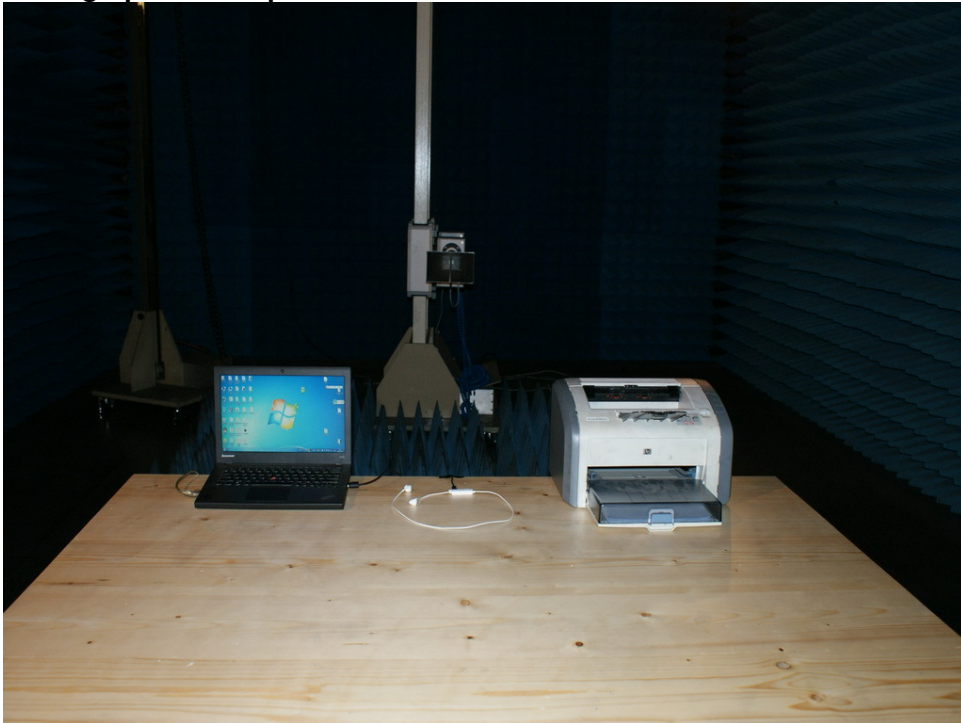
**Photograph 5: Set-up for Conducted Emissions**



**Photograph 6: Set-up for Radiated Emissions below 1GHz**



**Photograph 7: Set-up for Radiated Emissions above 1GHz**



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

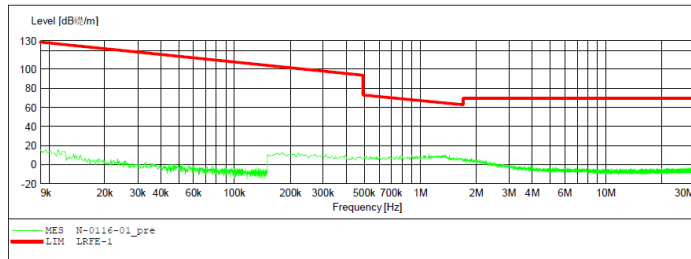
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3M Radiated

EUT: Bluetooth Earpods M/N:NS-CAHBTEP01  
 Manufacturer: Country Mate Technology Ltd  
 Operating Condition: TX 2402MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 3.7V  
 Comment: X  
 Start of Test: 2016-1-16 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	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 2: Test figure of spurious emissions, mode A.1.a, Vertical polarity (9kHz – 30MHz)**

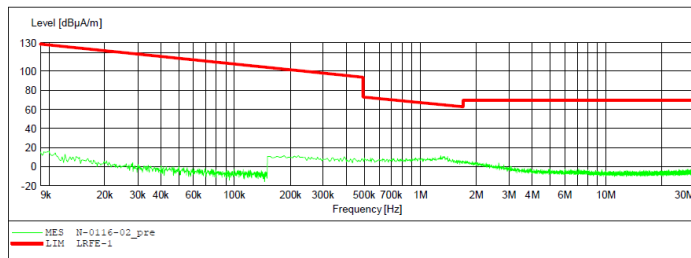
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FCC Class B 3M Radiated

EUT: Bluetooth Earpods M/N:NS-CAHBTEP01  
 Manufacturer: Country Mate Technology Ltd  
 Operating Condition: TX 2402MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 3.7V  
 Comment: Y  
 Start of Test: 2016-1-16 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	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.a, Horizontal polarity (30MHz – 1GHz)**

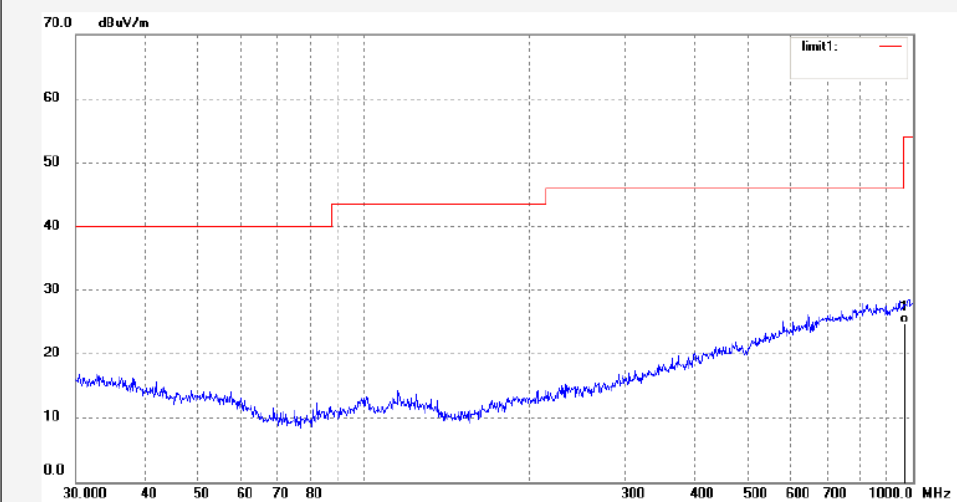


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Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: tuv2015 #2308	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	960.0000	22.33	2.37	24.70	46.00	-21.30	QP			



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

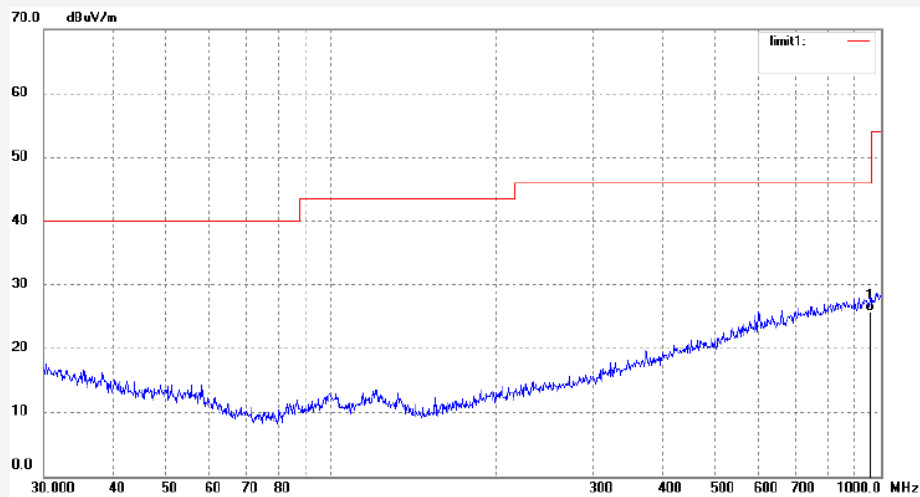


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Site: 2# Chamber  
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Fax:+86-0755-26503396

Job No.: tuv2015 #2309	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	960.0000	23.45	2.37	25.82	46.00	-20.18	QP			

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

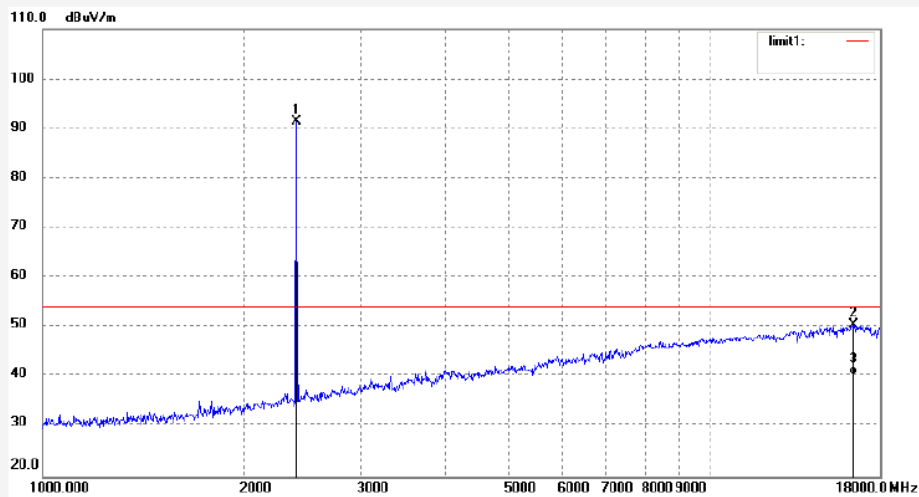


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Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: tuv2015 #2294	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

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	98.92	-7.45	91.47	/	/	peak			
2	16409.819	10.24	40.25	50.49	74.00	-23.51	peak			
3	16409.819	0.04	40.25	40.29	54.00	-13.71	AVG			

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

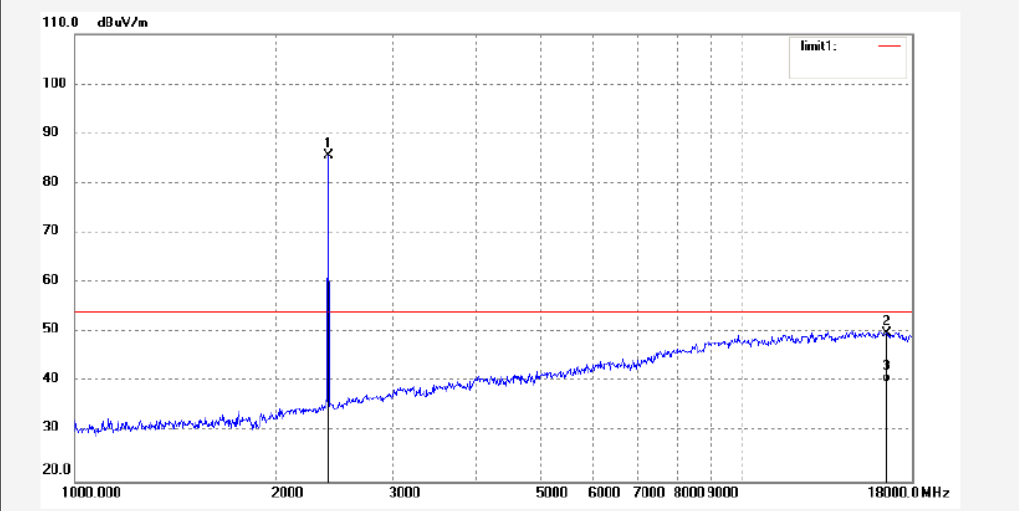


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Site: 2# Chamber  
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 Fax:+86-0755-26503396

Job No.: tuv2015 #2295	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

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	93.03	-7.45	85.58	/	/	peak			
2	16504.954	9.57	40.31	49.88	74.00	-24.12	peak			
3	16504.954	-0.29	40.31	40.02	54.00	-13.98	AVG			

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

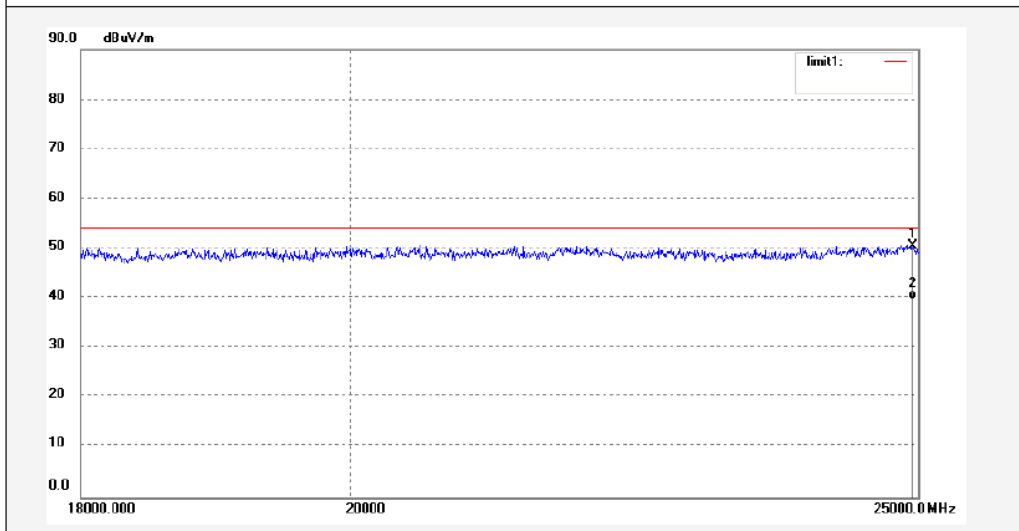


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Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: tuv2015 #2338	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24950.674	31.75	18.83	50.58	74.00	-23.42	peak			
2	24950.674	20.80	18.83	39.63	54.00	-14.37	AVG			

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

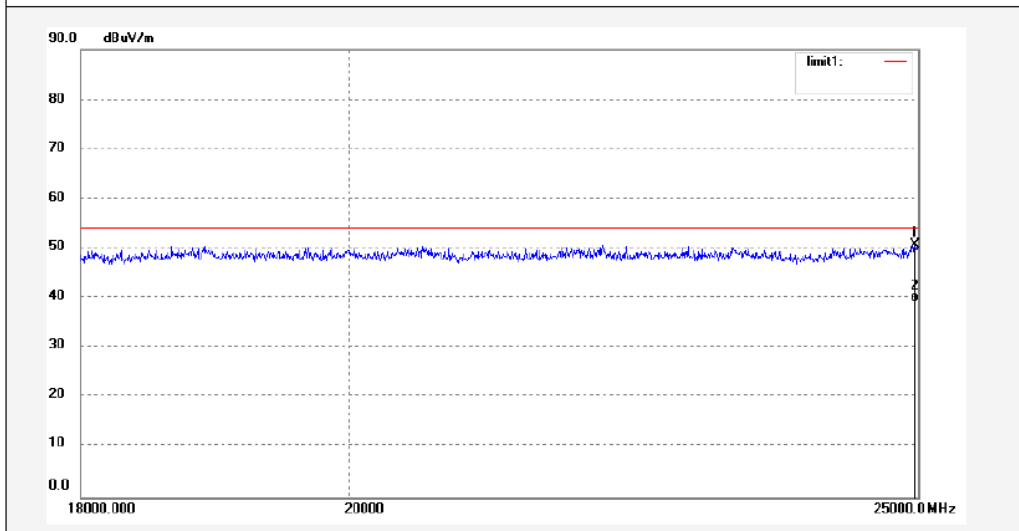


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Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: tuv2015 #2339	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24975.325	31.90	18.86	50.76	74.00	-23.24	peak			
2	24975.325	20.30	18.86	39.16	54.00	-14.84	AVG			

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

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: Bluetooth Earpods M/N:NS-CAHBTEP01  
 Manufacturer: Country Mate Technology Ltd  
 Operating Condition: TX 2441MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 3.7V  
 Comment: X  
 Start of Test: 2016-1-16 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	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

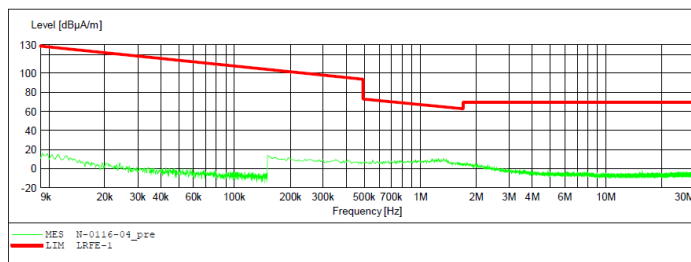


Figure 10: Test figure of spurious emissions, mode A.1.b, Vertical polarity (9kHz – 30MHz)

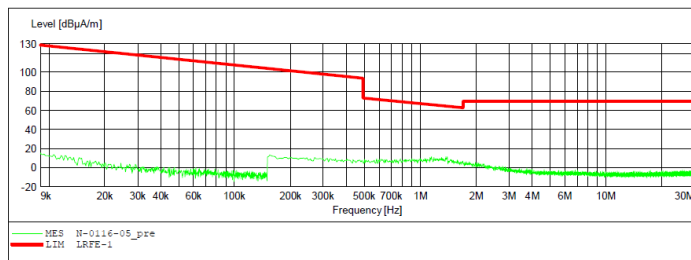
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: Bluetooth Earpods M/N:NS-CAHBTEP01  
 Manufacturer: Country Mate Technology Ltd  
 Operating Condition: TX 2441MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 3.7V  
 Comment: Y  
 Start of Test: 2016-1-16 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	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.1.b, Horizontal polarity (30MHz – 1GHz)**

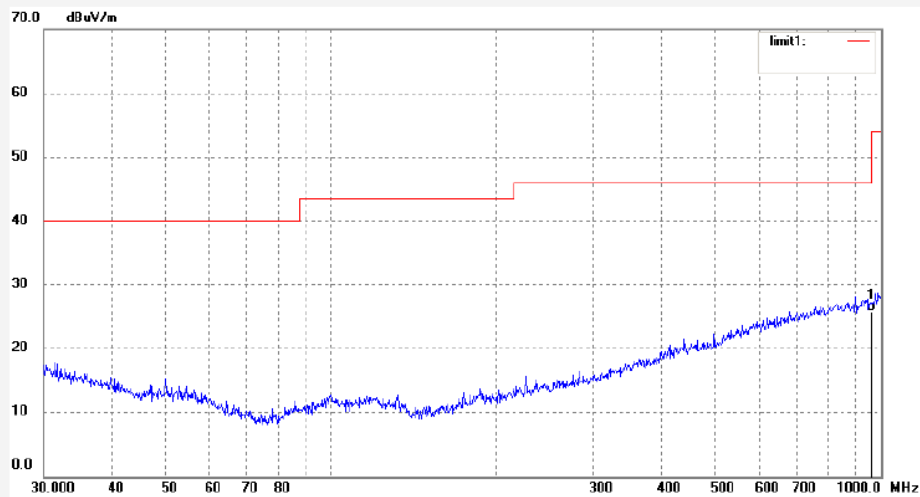


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Site: 2# Chamber  
Tel:+86-0755-26503290  
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Job No.: tuv2015 #2311	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	960.0000	23.48	2.37	25.85	46.00	-20.15	QP			

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

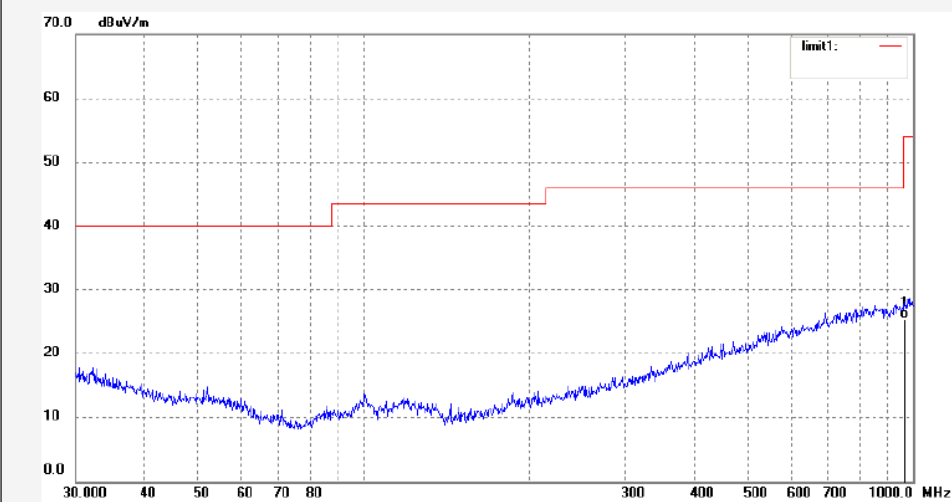


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Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: tuv2015 #2310	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	960.0000	23.05	2.37	25.42	46.00	-20.58	QP			



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

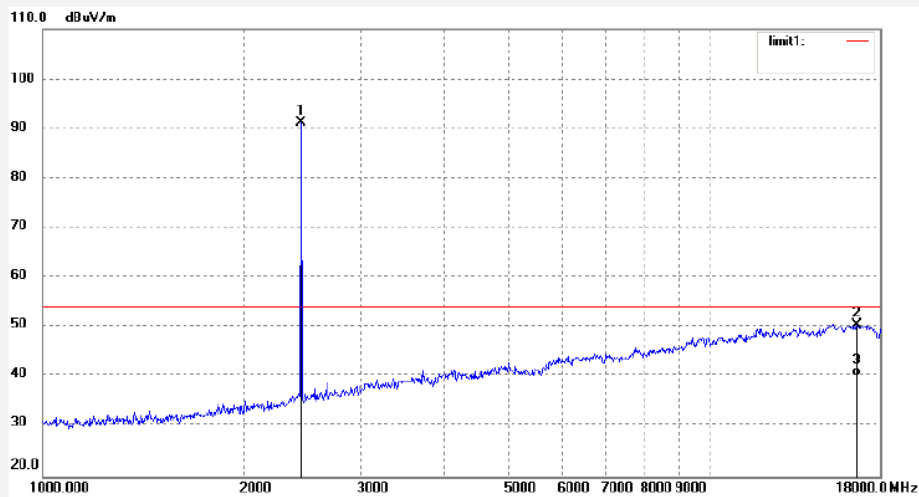


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Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: tuv2015 #2298	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

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	98.67	-7.35	91.32	/	/	peak			
2	16600.642	9.85	40.58	50.43	74.00	-23.57	peak			
3	16600.642	-0.37	40.58	40.21	54.00	-13.79	AVG			

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

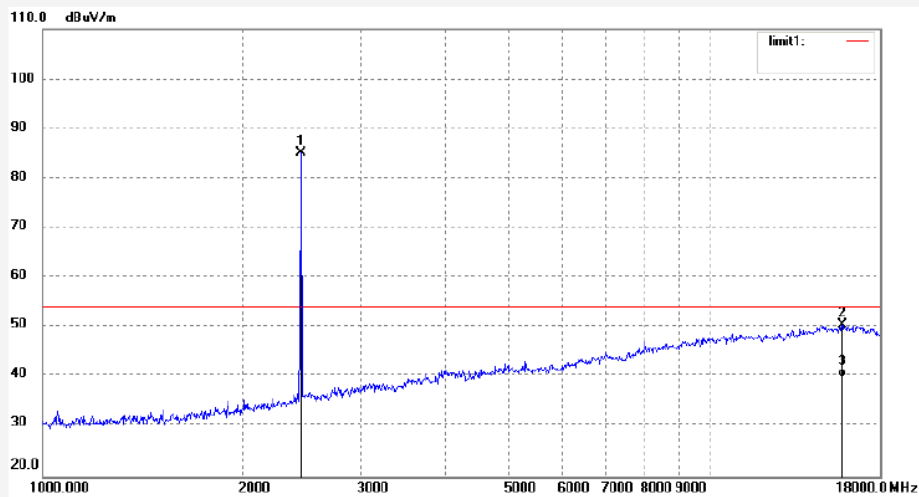


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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: tuv2015 #2299	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

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	92.53	-7.35	85.18	/	/	peak			
2	15804.663	10.53	40.04	50.57	74.00	-23.43	peak			
3	15804.663	-0.09	40.04	39.95	54.00	-14.05	AVG			

**Figure 15: Test figure of spurious emissions, mode A.1.b, Horizontal polarity (18GHz – 25GHz)**

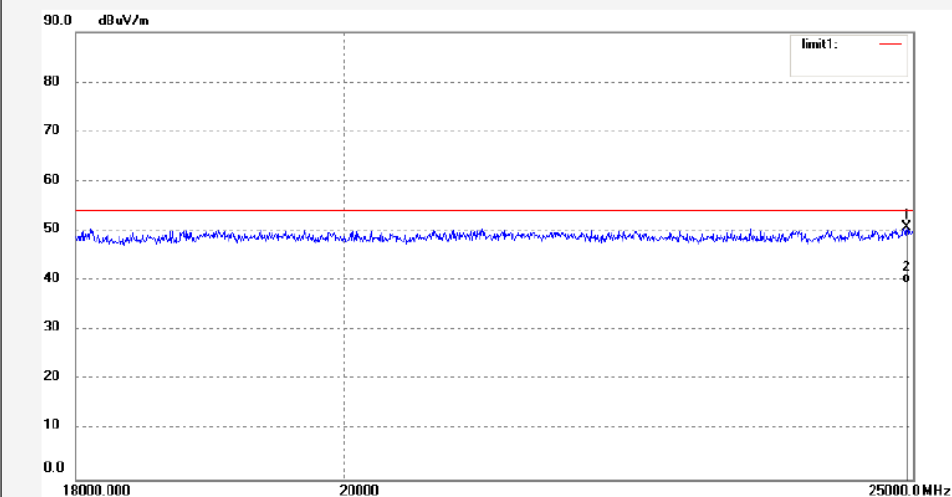


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 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: tuv2015 #2341	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24942.463	31.99	18.82	50.81	74.00	-23.19	peak			
2	24942.463	20.71	18.82	39.53	54.00	-14.47	AVG			

**Figure 16: Test figure of spurious emissions, mode A.1.b, Vertical polarity (18GHz – 25GHz)**

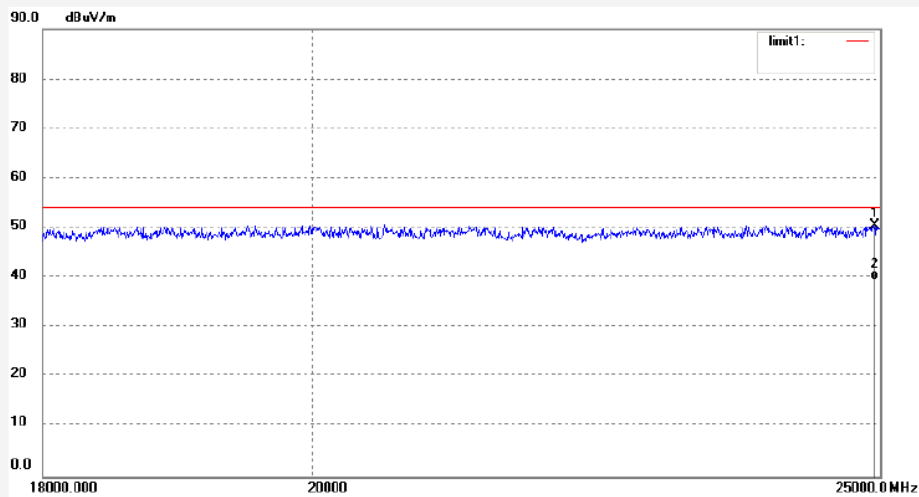


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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: tuv2015 #2340	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24950.674	31.76	18.83	50.59	74.00	-23.41	peak			
2	24950.674	20.68	18.83	39.51	54.00	-14.49	AVG			

**Figure 17: Test figure of spurious emissions, mode A.1.c, Horizontal polarity (9kHz – 30MHz)**

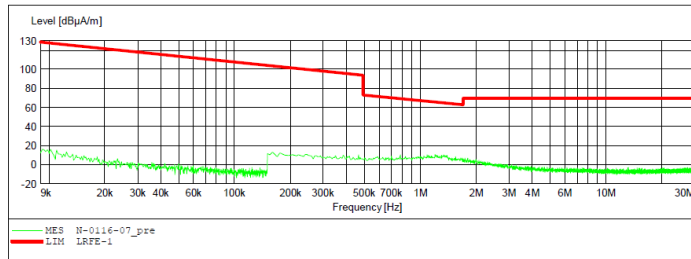
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: Bluetooth Earpods M/N:NS-CAHBTEP01  
 Manufacturer: Country Mate Technology Ltd  
 Operating Condition: TX 2480MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 3.7V  
 Comment: X  
 Start of Test: 2016-1-16 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	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 18: Test figure of spurious emissions, mode A.1.c, Vertical polarity (9kHz – 30MHz)**

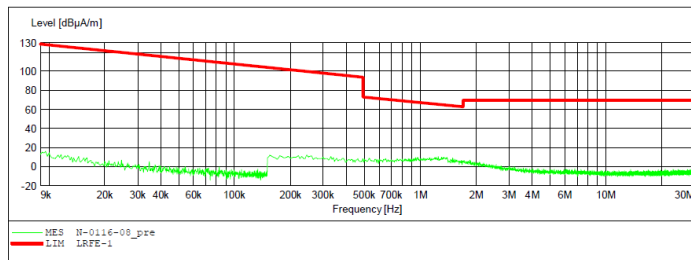
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: Bluetooth Earpods M/N:NS-CAHBTEP01  
 Manufacturer: Country Mate Technology Ltd  
 Operating Condition: TX 2480MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 3.7V  
 Comment: Y  
 Start of Test: 2016-1-16 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	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.1.c, Horizontal polarity (30MHz – 1GHz)**

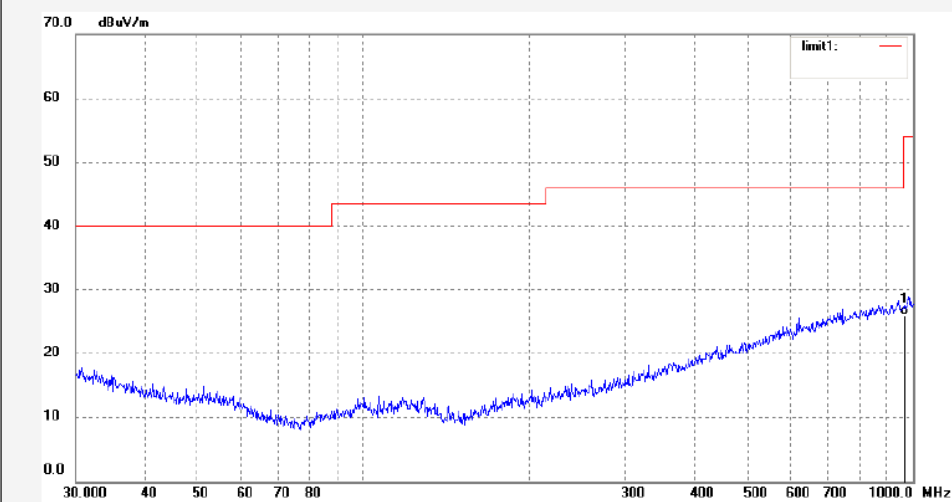


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Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: tuv2015 #2312	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	960.0000	23.56	2.37	25.93	46.00	-20.07	QP			

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

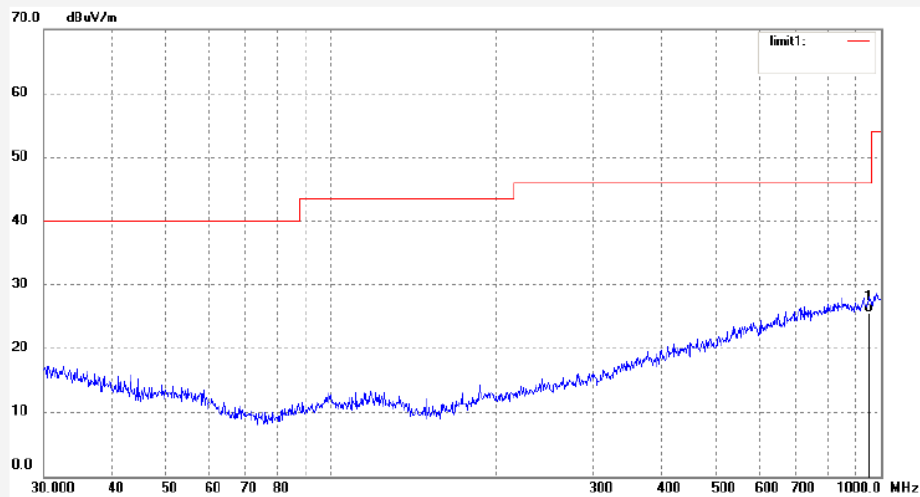


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Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: tuv2015 #2313	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	960.0000	23.23	2.37	25.60	46.00	-20.40	QP			

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

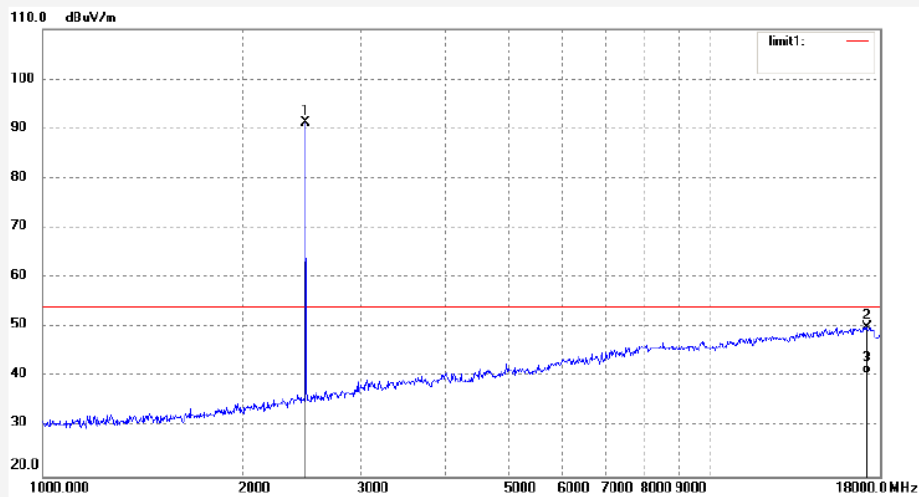


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Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: tuv2015 #2301	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

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	98.52	-7.37	91.15	/	/	peak			
2	17186.528	7.51	42.45	49.96	74.00	-24.04	peak			
3	17186.528	-1.96	42.45	40.49	54.00	-13.51	AVG			



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

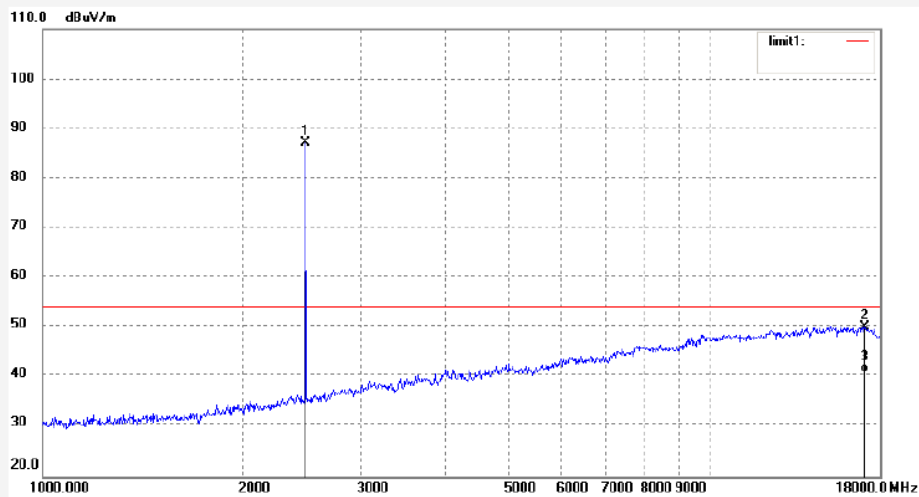


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Site: 2# Chamber  
 Tel:+86-0755-26503290  
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Job No.: tuv2015 #2300	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

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	94.46	-7.37	87.09	/	/	peak			
2	17087.464	8.01	42.05	50.06	74.00	-23.94	peak			
3	17087.464	-1.28	42.05	40.77	54.00	-13.23	AVG			

**Figure 23: Test figure of spurious emissions, mode A.1.c, Horizontal polarity (18GHz –25GHz)**

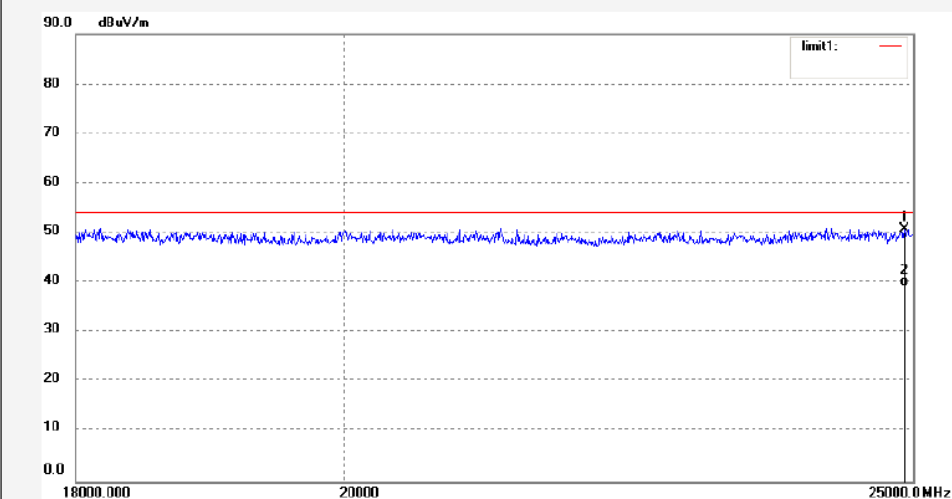


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Site: 2# Chamber  
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Job No.: tuv2015 #2342	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24917.845	31.85	18.78	50.63	74.00	-23.37	peak			
2	24917.845	20.55	18.78	39.33	54.00	-14.67	AVG			

**Figure 24: Test figure of spurious emissions, mode A.1.c, Vertical polarity (18GHz – 25GHz)**

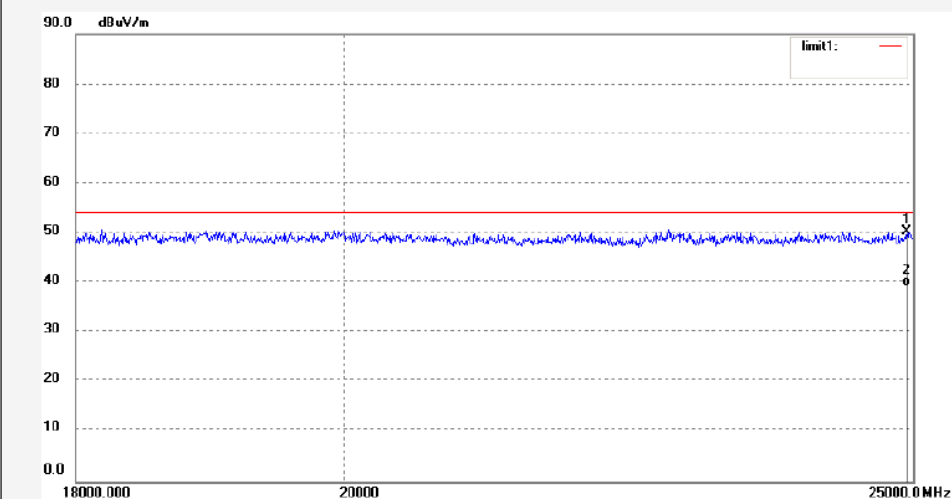


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Site: 2# Chamber  
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Job No.: tuv2015 #2343	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24942.463	31.48	18.82	50.30	74.00	-23.70	peak			
2	24942.463	20.35	18.82	39.17	54.00	-14.83	AVG			

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

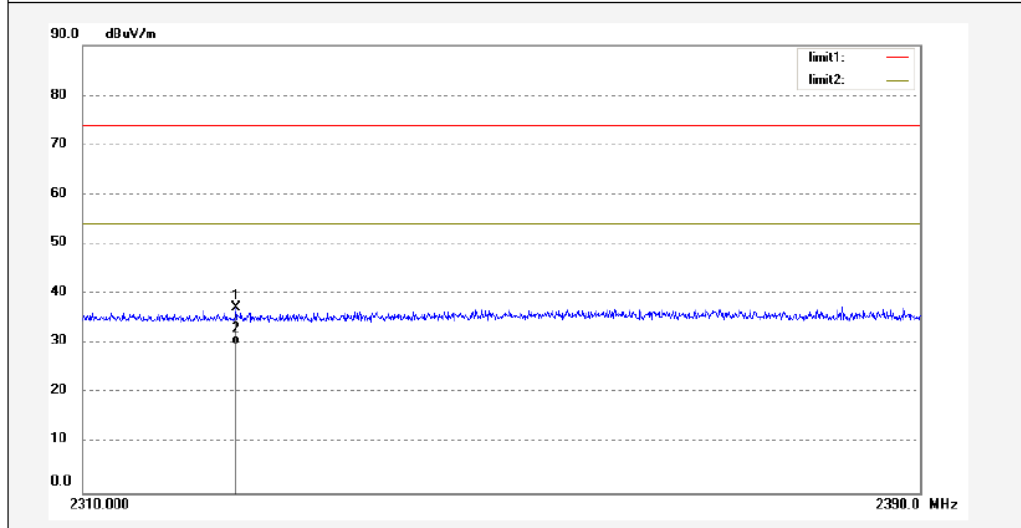


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 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: tuv2015 #2297	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2324.480	45.04	-7.81	37.23	74.00	-36.77	peak			
2	2324.480	37.65	-7.81	29.84	54.00	-24.16	AVG			

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

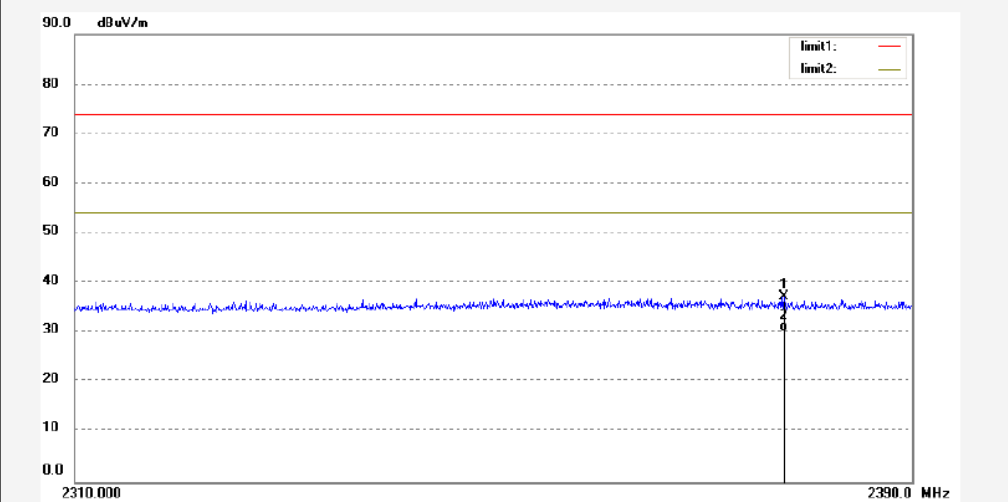


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 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: tuv2015 #2296	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2377.600	44.94	-7.61	37.33	74.00	-36.67	peak			
2	2377.600	37.83	-7.61	30.22	54.00	-23.78	AVG			

**Figure 27: Test figure of Radiated emissions in restricted bands, Mode A.1.c, Horizontal**

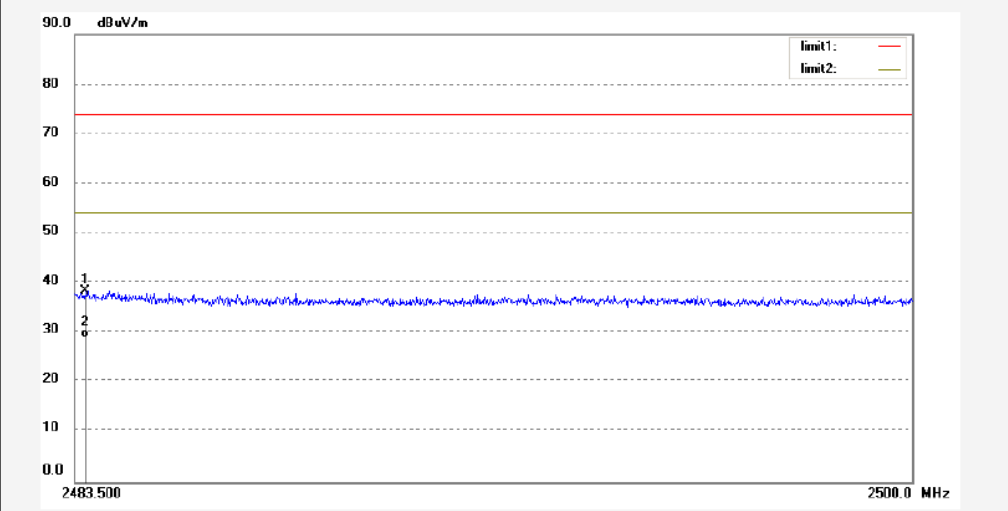


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Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: tuv2015 #2302	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.698	45.81	-7.37	38.44	74.00	-35.56	peak			
2	2483.698	36.26	-7.37	28.89	54.00	-25.11	AVG			

**Figure 28: Test figure of Radiated emissions in restricted bands, Mode A.1.c, Vertical**

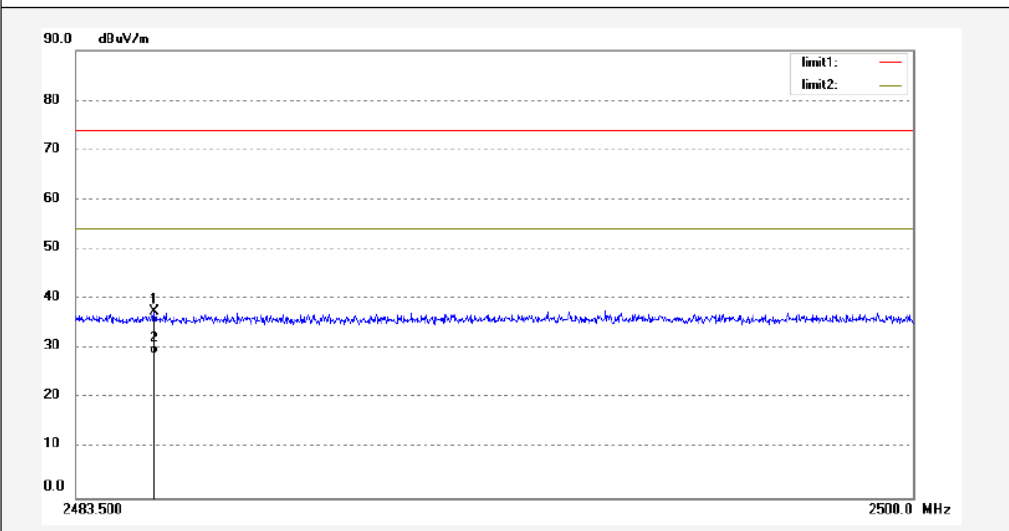


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 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

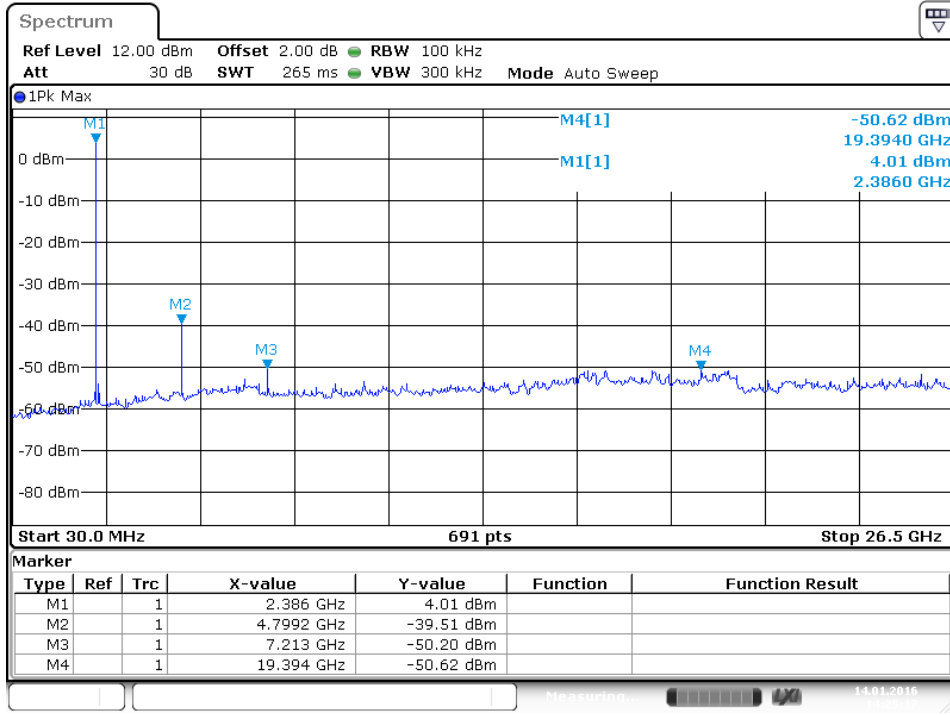
Job No.: tuv2015 #2303	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:

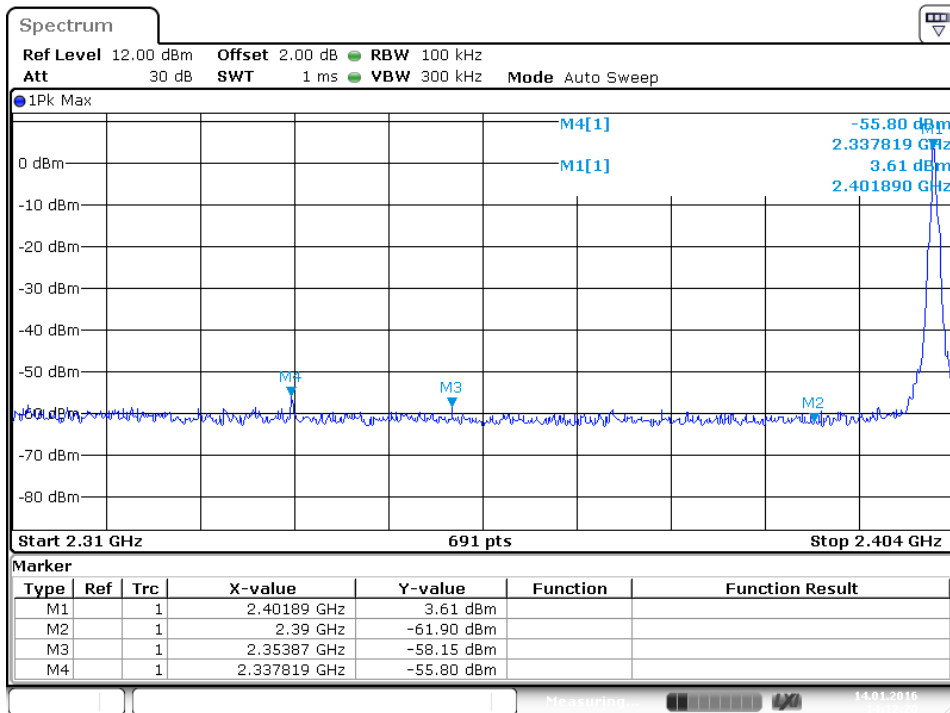


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2485.051	44.75	-7.38	37.37	74.00	-36.63	peak			
2	2485.051	36.26	-7.38	28.88	54.00	-25.12	AVG			

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



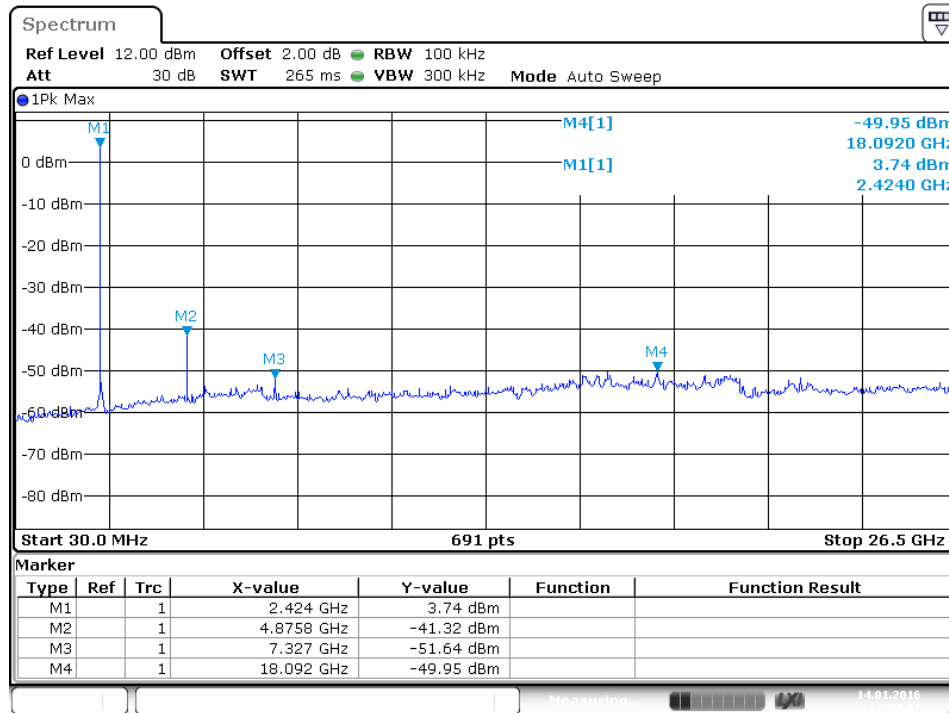
Date: 14.JAN.2016 14:25:17



Date: 14.JAN.2016 14:12:20

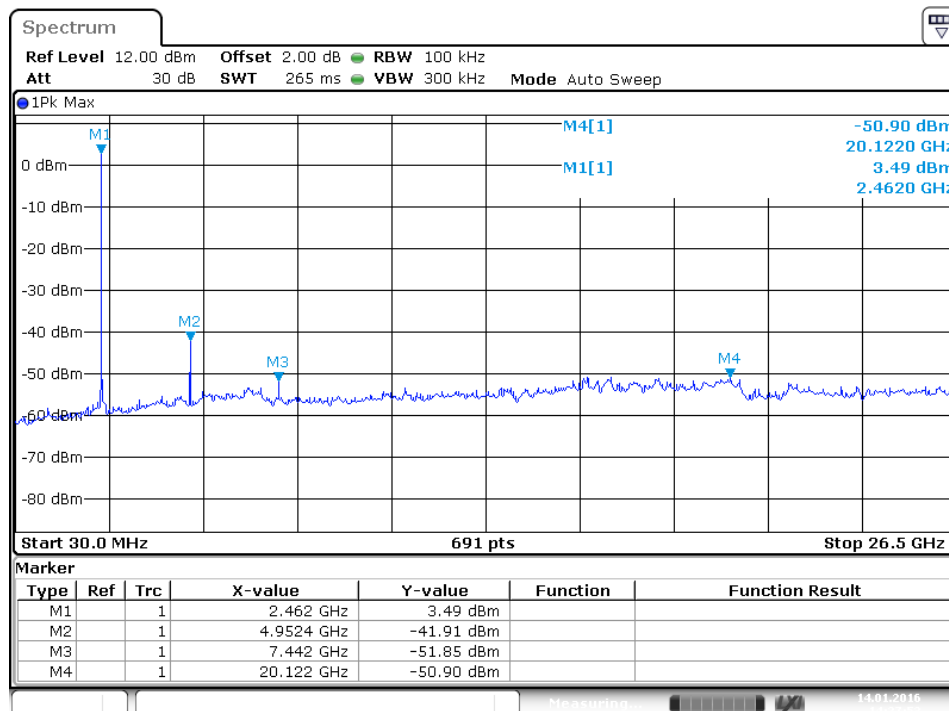


**Figure 30: Test figure of conducted spurious emissions measured in 100kHz Bandwidth, Mode A.1.b, GFSK Modulation**

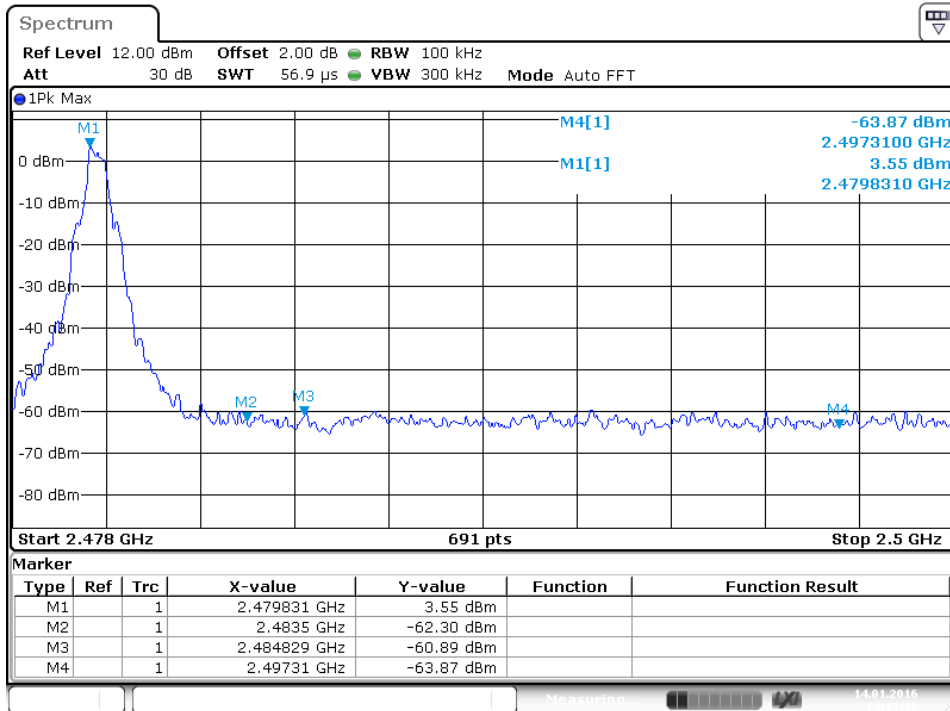


Date: 14.JAN.2016 14:27:08

**Figure 31: Test figure of conducted spurious emissions measured in 100kHz Bandwidth, Mode A.1.c, GFSK Modulation**

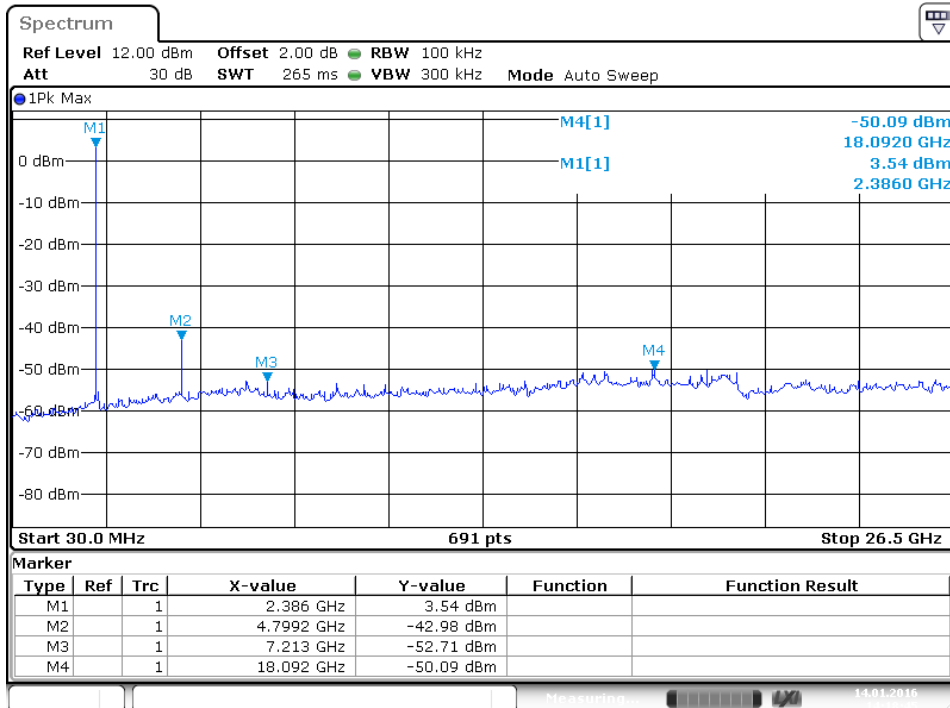


Date: 14.JAN.2016 14:27:54

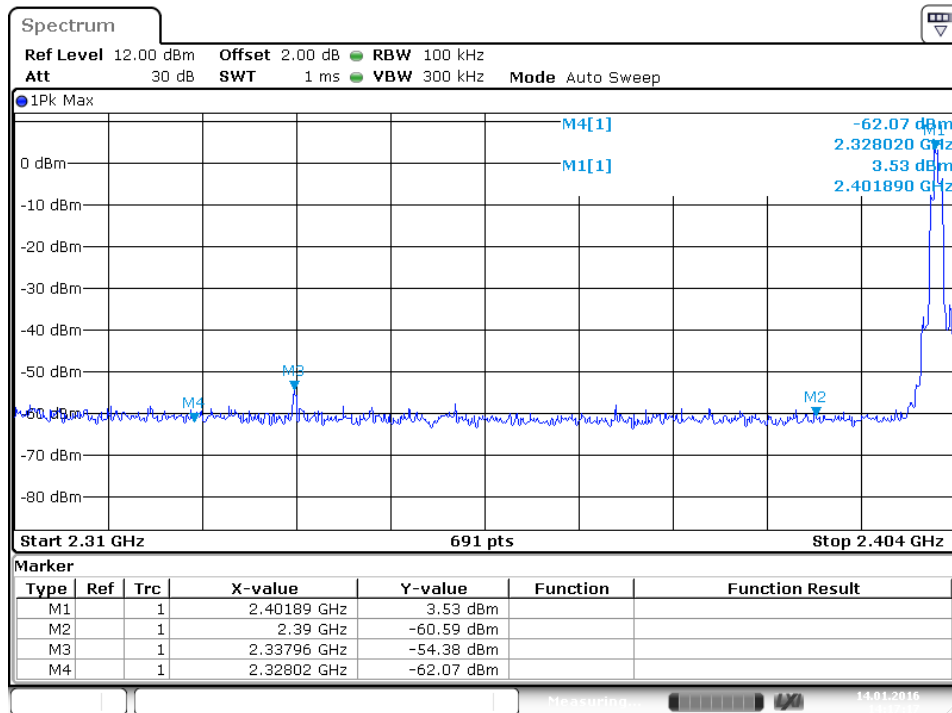


Date: 14.JAN.2016 14:13:36

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

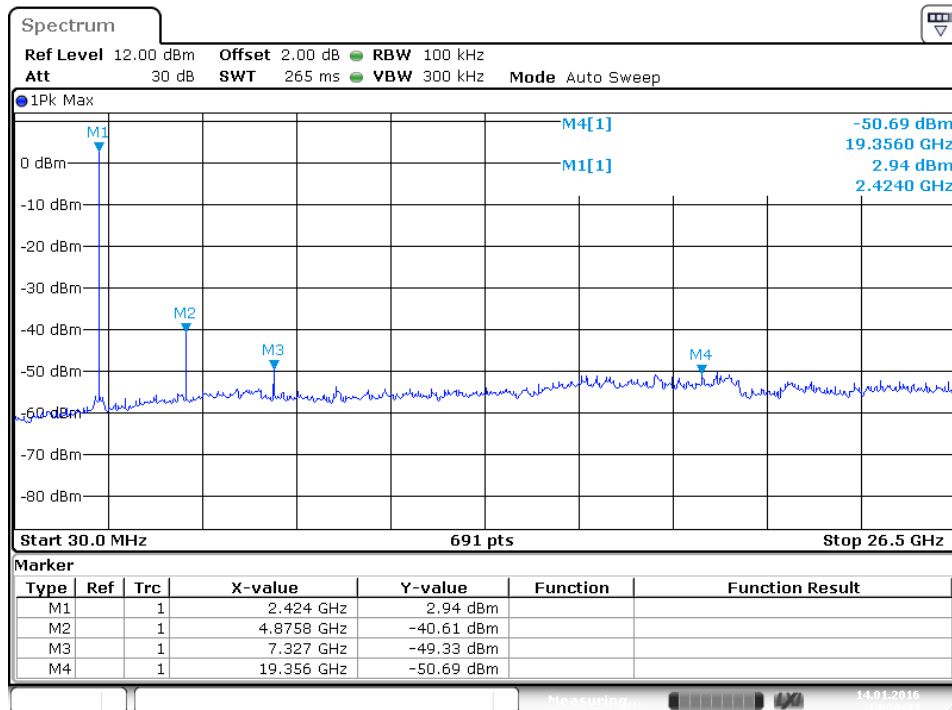


Date: 14.JAN.2016 14:18:46



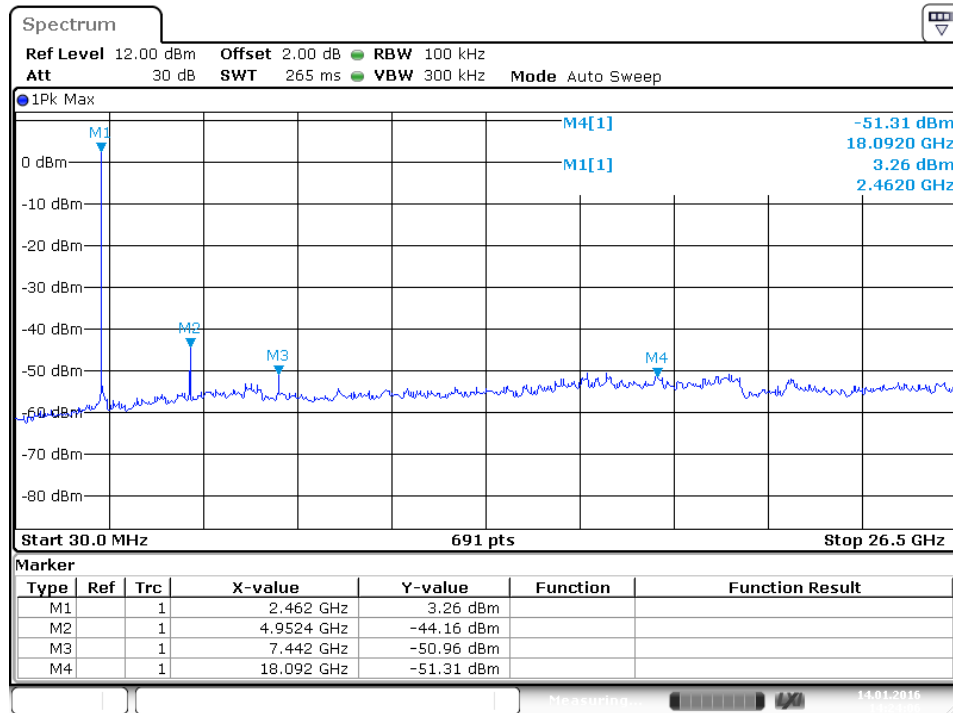
Date: 14.JAN.2016 14:17:18

**Figure 33: Test figure of conducted spurious emissions measured in 100kHz Bandwidth, Mode A.1.b, 8DPSK Modulation**

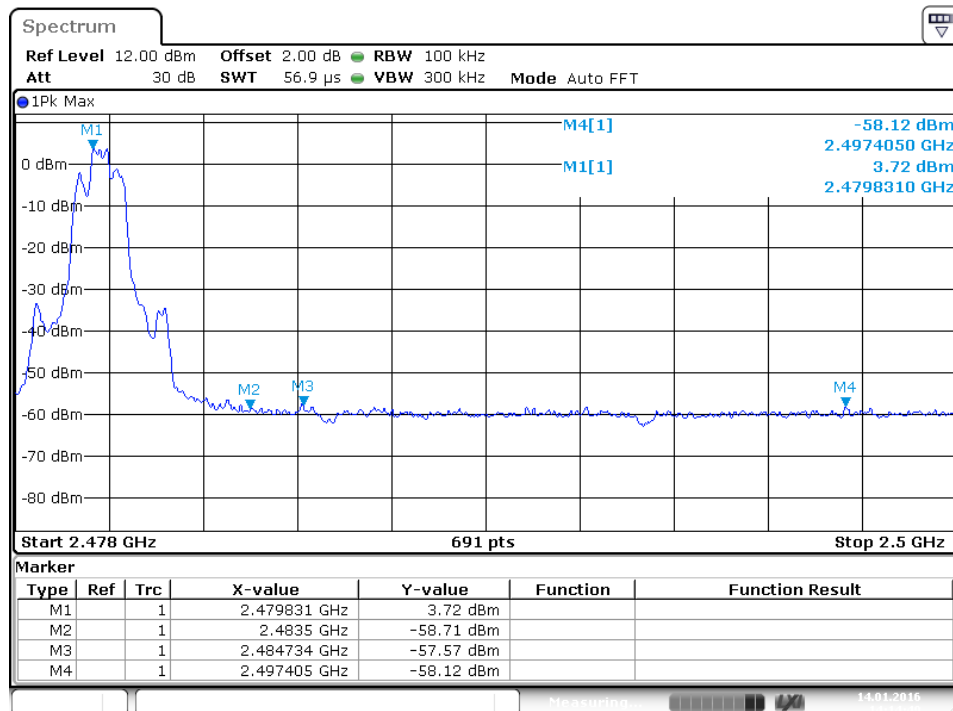


Date: 14.JAN.2016 14:20:44

**Figure 34: Test figure of conducted spurious emissions measured in 100kHz Bandwidth, Mode A.1.c, 8DPSK Modulation**



Date: 14.JAN.2016 14:24:06



Date: 14.JAN.2016 14:14:50

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

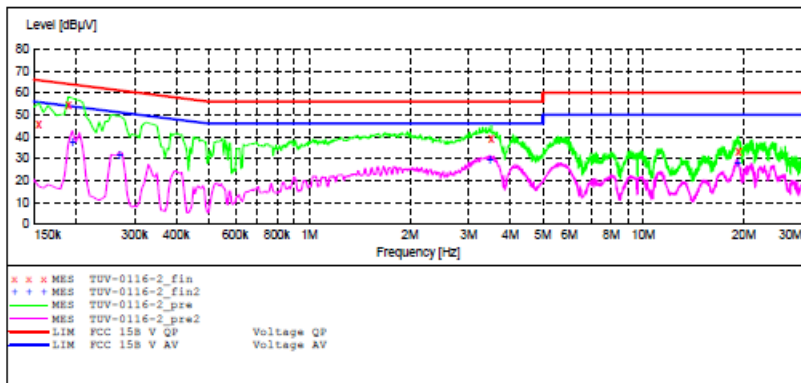
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUI: Bluetooth Earpods M/N:NS-CAHBTEP01  
 Manufacturer: Country Mate Technology Ltd  
 Operating Condition: Charging  
 Test Site: 1#Shielding Room  
 Operator: LGWADE  
 Test Specification: L 120V/60Hz  
 Comment:  
 Start of Test: 1/16/2016 /

SCAN TABLE: "V 9K-30MHz fin"

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "TUV-0116-2\_fin"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.155000	45.30	10.5	66	20.4	QP	L1	GND
0.190000	54.30	10.5	64	9.7	QP	L1	GND
3.510000	38.90	11.1	56	17.1	QP	L1	GND
19.225000	33.20	11.4	60	26.8	QP	L1	GND

MEASUREMENT RESULT: "TUV-0116-2\_fin2"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.195000	37.60	10.5	54	16.2	AV	L1	GND
0.270000	31.60	10.6	51	19.5	AV	L1	GND
3.470000	29.20	11.1	46	16.8	AV	L1	GND
19.120000	28.00	11.4	50	22.0	AV	L1	GND

Figure 36: Test figure of Conducted emissions, Mode B, line neutral

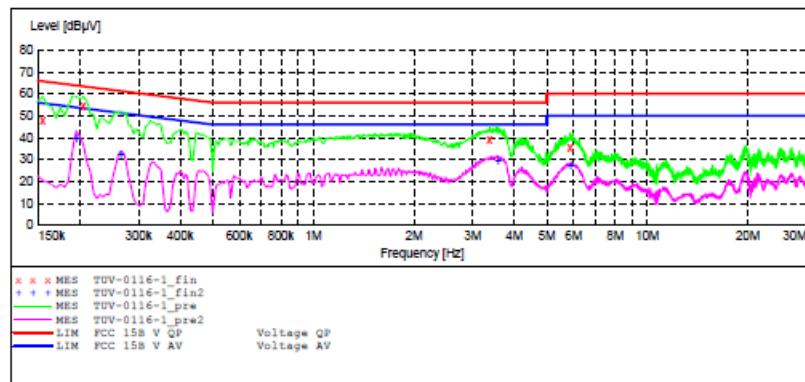
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Bluetooth Earpods M/N:NS-CAHBTPE01  
 Manufacturer: Country Mate Technology Ltd  
 Operating Condition: Charging  
 Test Site: 1#Shielding Room  
 Operator: LGWADE  
 Test Specification: N 120V/60Hz  
 Comment:  
 Start of Test: 1/16/2016 /

SCAN TABLE: "V 9K-30MHz fin"

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	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	Average			
			QuasiPeak	1.0 s	9 kHz	NSLK8126 2008
			Average			



MEASUREMENT RESULT: "TUV-0116-1\_fin"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.155000	47.50	10.5	66	18.2	QP	N	GND
0.205000	54.30	10.5	63	9.1	QP	N	GND
3.370000	39.10	11.1	56	16.9	QP	N	GND
5.860000	35.40	11.2	60	24.6	QP	N	GND

MEASUREMENT RESULT: "TUV-0116-1\_fin2"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.195000	39.70	10.5	54	14.1	AV	N	GND
0.265000	32.70	10.6	51	18.6	AV	N	GND
3.570000	29.70	11.1	46	16.3	AV	N	GND
5.900000	27.30	11.2	50	22.7	AV	N	GND

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

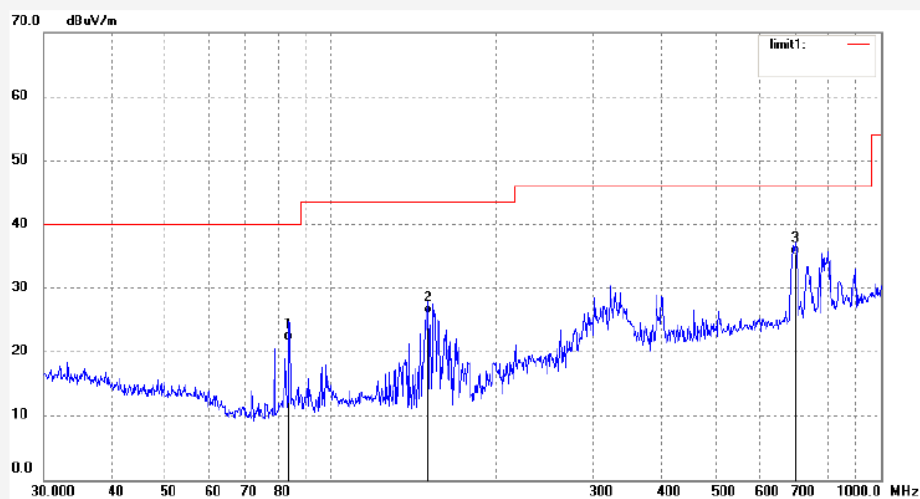


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Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: tuv2015 #2323	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: Charging	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	83.8156	36.96	-15.14	21.82	40.00	-18.18	QP			
2	150.0107	40.79	-14.86	25.93	43.50	-17.57	QP			
3	699.3046	36.95	-1.77	35.18	46.00	-10.82	QP			

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

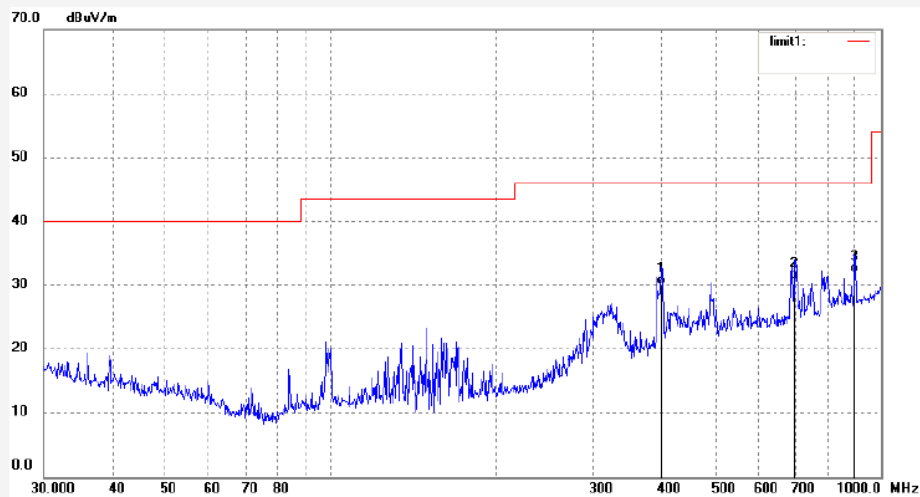


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Site: 2# Chamber  
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Job No.: tuv2015 #2322	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 16/01/14/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: Charging	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	399.0302	36.92	-6.86	30.06	46.00	-15.94	QP			
2	696.8567	32.80	-1.84	30.96	46.00	-15.04	QP			
3	896.9965	30.69	1.27	31.96	46.00	-14.04	QP			



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

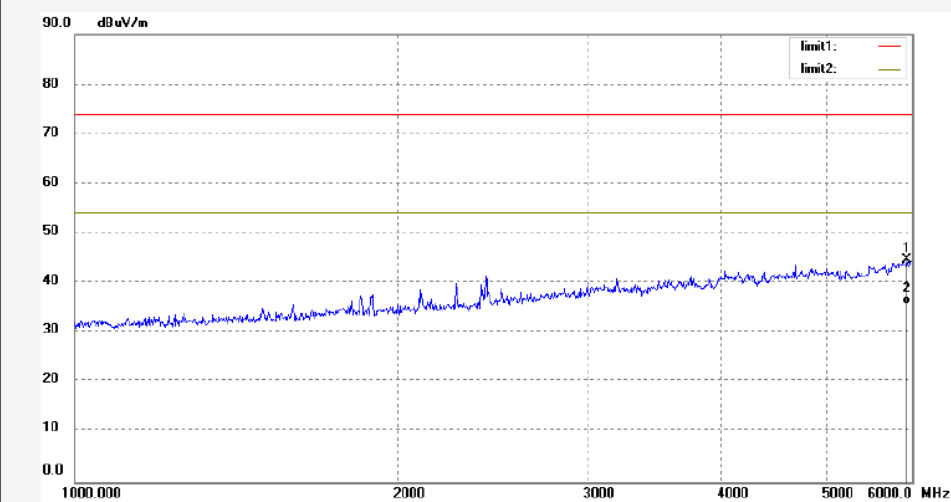


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Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: tuv2015 #2388	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 16/01/16/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: Charging	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5935.842	42.53	2.07	44.60	74.00	-29.40	peak			
2	5935.842	33.59	2.07	35.66	54.00	-18.34	AVG			

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

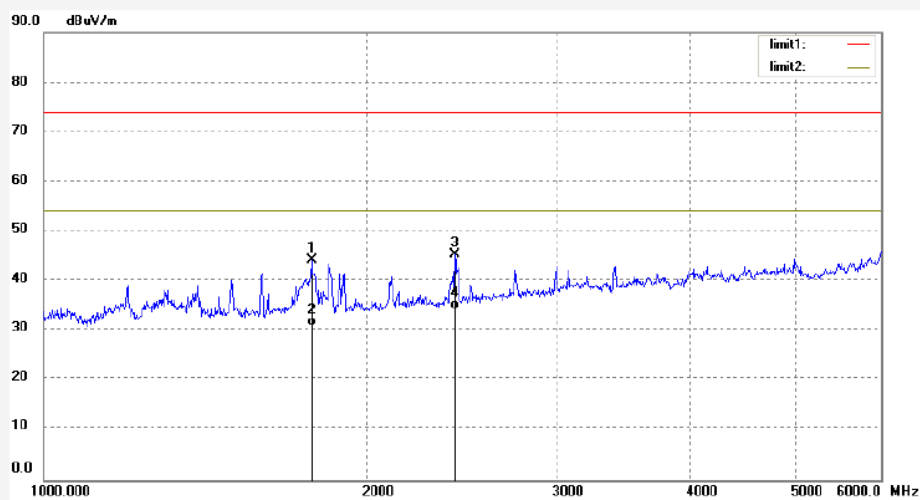


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Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: tuv2015 #2387	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 16/01/16/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Earpods	Engineer Signature: PEI
Mode: Charging	Distance: 3m
Model: NS-CAHBTEP01	
Manufacturer: Country Mate Technology Ltd	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1774.224	54.49	-10.25	44.24	74.00	-29.76	peak			
2	1774.224	41.25	-10.25	31.00	54.00	-23.00	AVG			
3	2410.307	52.68	-7.43	45.25	74.00	-28.75	peak			
4	2410.307	41.68	-7.43	34.25	54.00	-19.75	AVG			