

<b>Prüfbericht-Nr.:</b> <i>Test Report No.:</i>	<b>50075858 001</b>	<b>Auftrags-Nr.:</b> <i>Order No.:</i>	<b>164086724</b>	Seite 1 von 127 Page 1 of 127
<b>Kunden-Referenz-Nr.:</b> <i>Client Reference No.:</i>	<b>N/A</b>	<b>Auftragsdatum:</b> <i>Order date:</i>	<b>28.02.2017</b>	
<b>Auftraggeber:</b> <i>Client:</i>	Edifier International Limited, Room 2207-9, Tower Two, Lippo Centre 89 Queensway, Hong Kong			
<b>Prüfgegenstand:</b> <i>Test item:</i>	<b>ACTIVE SPEAKER SYSTEM</b>			
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type No.:</i>	<b>A200, MODEL-1 (AIRPULSE)</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 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 15: Subpart B Section 15.109 RSS-247 Issue 1 May 2015 ICES-003 Issue 6 January 2016			
	CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart B Section 15.107 FCC KDB Publication 447498 D01 v06 RSS-Gen Issue 4 November 2014 RSS-102 Issue 5 March 2015			
<b>Wareneingangsdatum:</b> <i>Date of receipt:</i>	<b>28.02.2017</b>			
<b>Prüfmuster-Nr.:</b> <i>Test sample No.:</i>	<b>A000506154-001, A000506154-002, A000506154-003</b>			
<b>Prüfzeitraum:</b> <i>Testing period:</i>	<b>04.03.2017 - 08.03.2017</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>		
24-03-2017 Andy Yan/Project Manager Datum Name / Stellung Date Name / Position		24-03-2017 Owen Tian/Technical Certifier Datum Name / Stellung Date Name / Position		
Unterschrift Signature		Unterschrift Signature		
<b>Sonstiges / Other:</b>	<b>FCC ID: Z9G-EDF45</b> <b>IC: 10004A-EDF45</b> Manufacturer: Dongguan Platinum Audio Systems Co., Ltd., Office Building 6th floor, No. 2 East Industry Road, Songshan Lake National High-tech Industrial Development Zone, Dongguan 523808 China			
<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 MAXIMUM PEAK CONDUCTED OUTPUT POWER***RESULT: Pass***5.1.3 20dB BANDWIDTH AND 99% BANDWIDTH***RESULT: Pass***5.1.4 6dB BANDWIDTH AND 99% BANDWIDTH***RESULT: Pass***5.1.5 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHz BANDWIDTH***RESULT: Pass***5.1.6 POWER SPECTRAL DENSITY***RESULT: Pass***5.1.7 SPURIOUS EMISSION***RESULT: Pass***5.1.8 FREQUENCY SEPARATION***RESULT: Pass***5.1.9 NUMBER OF HOPPING FREQUENCY***RESULT: Pass***5.1.10 TIME OF OCCUPANCY***RESULT: Pass***5.1.11 CONDUCTED EMISSIONS***RESULT: Pass***5.1.12 RADIATED EMISSION***RESULT: Pass***6.1.1 ELECTROMAGNETIC FIELDS***RESULT: Pass*

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## 1. General Remarks

### 1.1 Complementary Materials

None.

## 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	2018-01-06
Test Receiver	Rohde & Schwarz	ESCS30	100307	2018-01-06
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2018-01-09
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2018-01-09
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2018-01-09
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2018-01-09
RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	2018-01-06
Pre-Amplifier	Rohde&Schwarz	CBLU11835 40-01	3791	2018-01-06
50 Coaxial Switch	Anritsu Corp	MP59B	620050647 4	2018-01-06
RF Coaxial Cable	SUHNER	N-3m	No.8	2018-01-06
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2018-01-06
RF Coaxial Cable	SUHNER	N-6m	No.10	2018-01-06
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2018-01-06
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2018-01-06
<b>Radio Spectrum Test</b>				
Spectrum Analyzer	Rohde & Schwarz	FSV40	101495	2018-01-06
Vector Signal Generator	Rohde & Schwarz	SMBV100A	260434	2018-01-06
Signal Generator	Rohde & Schwarz	SMB100A	108362	2018-01-06
Open Switch and Control Unit	Rohde & Schwarz	OSP120 + OSP-B157	101244 + 100866	2018-01-06
<b>Conducted Emission</b>				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2018-01-06
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	2018-01-06
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	2018-01-06
50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	2018-01-06
Voltage Probe	Schwarzbeck	TK9416	N/A	2018-01-06
RF Current Probe	Rohde & Schwarz	EZ-17	100048	2018-01-06
8-Wire Impedance Stabilisation Network	Schwarzbeck	CAT5 8158	8158-0035	2018-01-06
RF Coaxial Cable	Suhner	N-2m	No.2	2018-01-06
RF Coaxial Cable	Suhner	N-2m	No.3	2018-01-06
RF Coaxial Cable	Suhner	N-2m	No.14	2018-01-06

## 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	$< \pm 0.60 \text{ dB}$
Radiated emission of transmitter, valid up to 26.5 GHz	$< \pm 4.42 \text{ dB}$
Conducted Emission	$< \pm 2.23 \text{ dB}$
Radiated Emission	$< \pm 4.42 \text{ dB}$

## 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 active speaker system with Bluetooth function 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	ACTIVE SPEAKER SYSTEM
Type Designation	A200, MODEL-1
FCC ID	Z9G-EDF45
IC	10004A-EDF45
Operating Frequency band	2402 – 2480MHz
Channel separation	1MHz
Extreme Temperature Range	0~+45°C
Operation Voltage	AC 100-240V, 50/60Hz
Modulation	FHSS, GFSK, 8DPSK, $\pi/4$ DQPSK
Bluetooth version	4.0, Dual Mode
Antenna Gain	2.5dBi

**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		

**Table 5: Technical Specification of Bluetooth (Low Energy mode)**

Technical Specification	Value
Kind of Equipment	ACTIVE SPEAKER SYSTEM
Type Designation	A200, MODEL-1
FCC ID	Z9G-EDF45
IC	10004A-EDF45
Operating Frequency band	2402 – 2480MHz
Channel separation	2MHz
Extreme Temperature Range	0~+45°C
Operation Voltage	AC 100-240V, 50/60Hz
Modulation	GFSK
Bluetooth version	4.0, Dual Mode
Antenna Gain	2.5dBi

**Table 6: RF channel and frequency of Bluetooth (Low Energy mode)**

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	11	2424.00	22	2446.00	33	2468.00
1	2404.00	12	2426.00	23	2448.00	34	2470.00
2	2406.00	13	2428.00	24	2450.00	35	2472.00
3	2408.00	14	2430.00	25	2452.00	36	2474.00
4	2410.00	15	2432.00	26	2454.00	37	2476.00
5	2412.00	16	2434.00	27	2456.00	38	2478.00
6	2414.00	17	2436.00	28	2458.00	39	2480.00
7	2416.00	18	2438.00	29	2460.00		
8	2418.00	19	2440.00	30	2462.00		
9	2420.00	20	2442.00	31	2464.00		
10	2422.00	21	2444.00	32	2466.00		

### 3.3 Independent Operation Modes

The basic operation modes are:

- A. On
  - 1. Bluetooth mode (BDR & EDR mode)
    - a. Transmitting
      - i. Low Channel
      - ii. Middle Channel
      - iii. High Channel
    - b. Receiving
  - 2. Bluetooth mode (Low Energy mode)
    - a. Transmitting
      - i. Low Channel
      - ii. Middle Channel
      - iii. High Channel
    - b. Receiving
- B. AUX input
- C. Balanced input
- D. Coaxial input
- E. Optical input
- F. Standby
- G. Off

### 3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

### 3.5 Submitted Documents

- |                    |                      |
|--------------------|----------------------|
| - Bill of Material | - Circuit Diagram    |
| - PCB Layout       | - Instruction Manual |
| - Photo Document   | - 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.

### 4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

Description	Manufacturer	Part No.	S/N
Iphone6S PLUS	Apple	ML6D2 CH/A	C35QJ76JGRWM
DVD Player	KENUO	DVD-966S	2003010805086710

The EUT was tested with following cables:

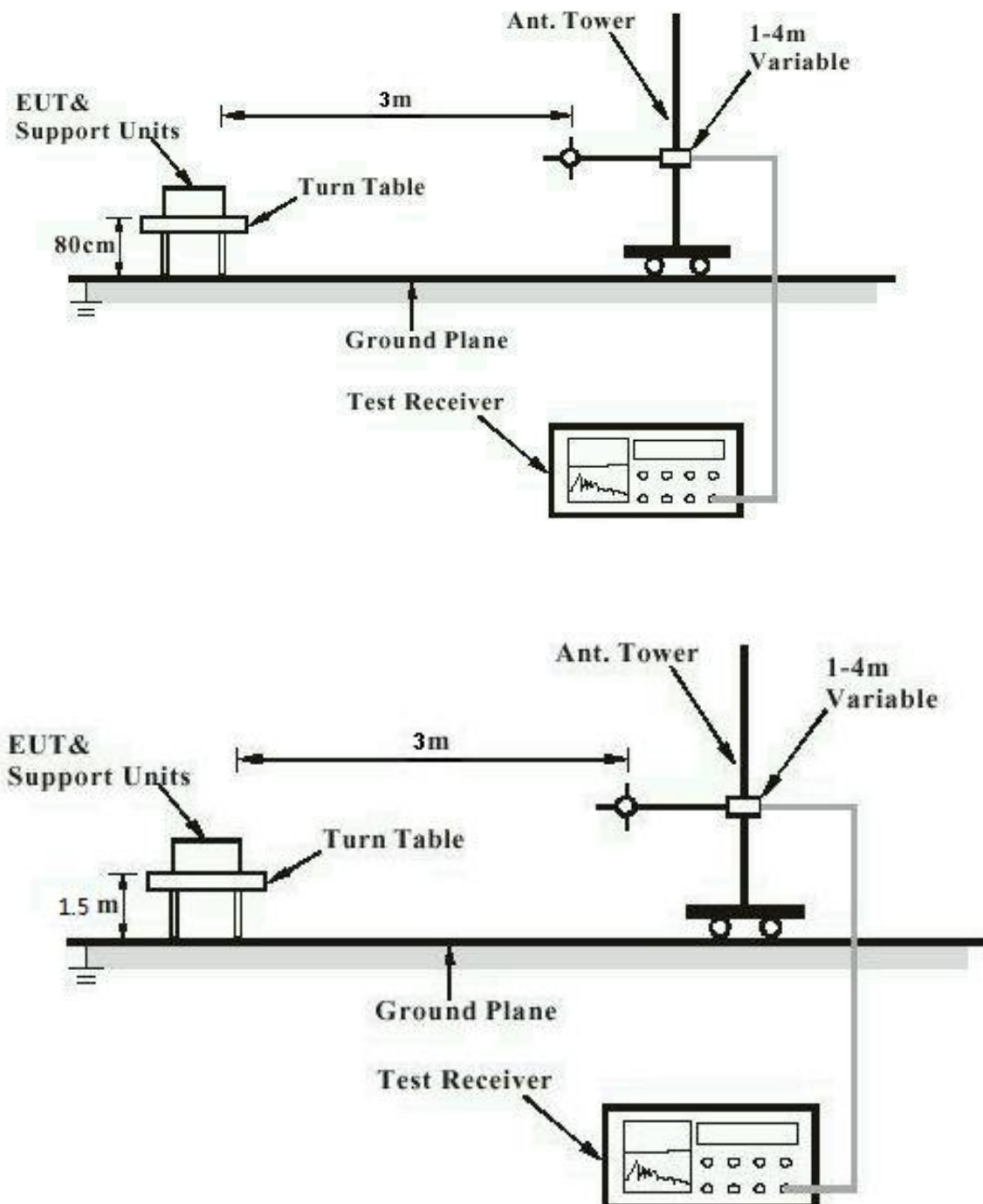
Interface(s)/Port(s):	Max. cable length, shielding	Cable classification
AC Mains	2 cores, non-shielded port, 3m	AC Power Input
L Speaker out	5 cores, non-shielded port, 5m	Audio Output
AUX L	2 cores, non-shielded port, 3m	Audio Input
AUX R	2 cores, non-shielded port, 3m	Audio Input
BALANCED IN L	2 cores, non-shielded port, 3m	Audio Input
BALANCED IN R	2 cores, non-shielded port, 3m	Audio Input
COX	---	Audio Input
OPT	---	Audio Input

### 4.4 Countermeasures to achieve EMC Compliance

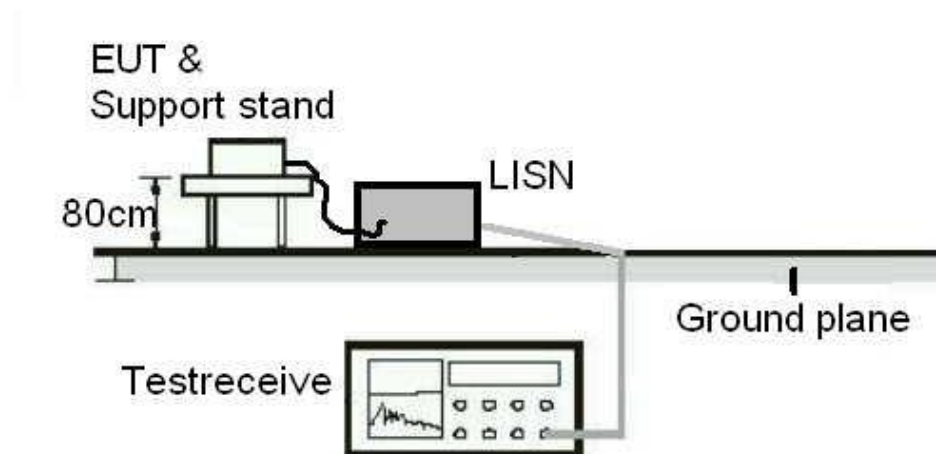
The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

## 4.5 Test Setup Diagram

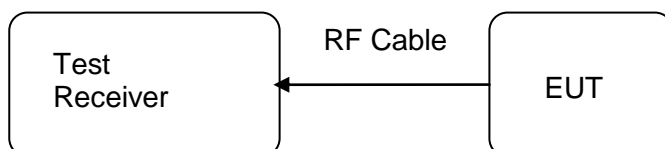
Diagram of Measurement Configuration for Radiation Test



### 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 2.5dBi, 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 Maximum Peak Conducted Output Power

**RESULT:**
**Pass**

Test date : 2017-03-04  
 Test standard : FCC Part 15.247(b)(1)  
 FCC Part 15.247(b)(3)  
 RSS-247 clause 5.4(2)  
 RSS-247 clause 5.4(4)  
 Basic standard : ANSI C63.10: 2013  
 Clause 9.1 of KDB 558074 v03r05  
 Limit : 125mW, 1W  
 Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A.1.a, A.2.a  
 Ambient temperature : 25°C  
 Relative humidity : 50%  
 Atmospheric pressure : 101kPa

**Table 7: Test result of Peak Output Power of Bluetooth (BDR mode)**

Channel	Channel Frequency (MHz)	Peak Output Power	Limit	e.i.r.p.	Limit
		(dBm)	(dBm)	(dBm)	(dBm)
Low Channel	2402	4.84	21	7.34	36
Middle Channel	2441	6.92	21	9.42	36
High Channel	2480	7.32	21	9.82	36

**Table 8: Test result of Peak Output Power of Bluetooth (EDR mode)**

Channel	Channel Frequency (MHz)	Peak Output Power	Limit	e.i.r.p.	Limit
		(dBm)	(dBm)	(dBm)	(dBm)
Low Channel	2402	3.25	21	5.75	36
Middle Channel	2441	5.80	21	8.30	36
High Channel	2480	6.34	21	8.84	36

**Table 9: Test result of Peak Output Power of Bluetooth (Low Energy mode)**

Channel	Channel Frequency (MHz)	Peak Output Power	Limit	e.i.r.p.	Limit
		(dBm)	(dBm)	(dBm)	(dBm)
Low Channel	2402	1.10	30	3.60	36
Middle Channel	2441	3.80	30	6.30	36
High Channel	2480	4.41	30	6.91	36

### 5.1.3 20dB Bandwidth and 99% Bandwidth

**RESULT:**

## Pass

Date of testing	:	2016-03-04
Test standard	:	FCC Part 15.247(a)(1) RSS-210 clause 5.1(2) RSS-Gen clause 6.6
Basic standard	:	ANSI C63.10: 2013 Clause 8 of KDB 558074 v03r05
Kind of test site	:	Shielded room

## Test setup

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

Table 10: Test result of 20dB &amp; 99% Bandwidth of BDR mode

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	0.921	0.925
Mid Channel	2441	0.934	0.929
High Channel	2480	0.938	0.938

**Table 11: 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	1.207	1.190
High Channel	2480	1.207	1.194



**5.1.4 6dB Bandwidth and 99% Bandwidth****RESULT:****Pass**

Date of testing : 2017-03-04  
Test standard : FCC Part 15.247(a)(2)  
RSS-247 clause 5.2(1)  
RSS-Gen clause 6.6  
Basic standard : ANSI C63.10: 2013  
Clause 8 of KDB 558074 v03r05  
Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
Operation Mode : A.2.a  
Ambient temperature : 25°C  
Relative humidity : 50%  
Atmospheric pressure : 101kPa

**Table 12: Test result of 6dB & 99% Bandwidth of Bluetooth, Low Energy mode**

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit of 6dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	0.703	≥0.5	1.038
Mid Channel	2440	0.703	≥0.5	1.033
High Channel	2480	0.721	≥0.5	1.033

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

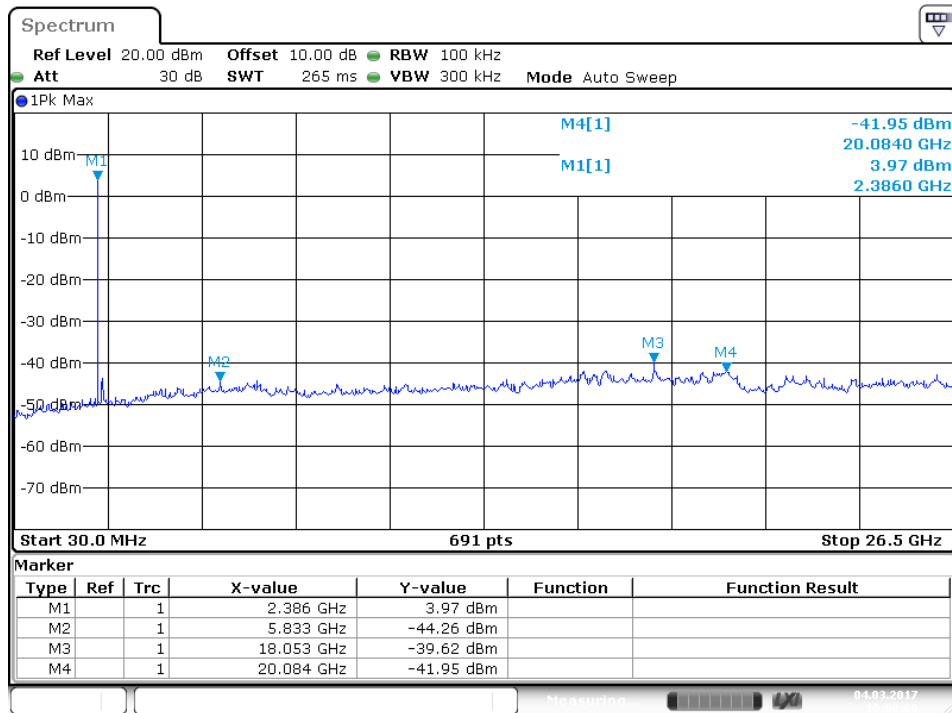
Date of testing	:	2017-03-04
Test standard	:	FCC part 15.247(d) RSS-247 clause 5.5
Basic standard	:	ANSI C63.10: 2013
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power);
Kind of test site	:	Shield room

**Test setup**

Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1.a, A.2.a
Ambient temperature	:	25°C
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

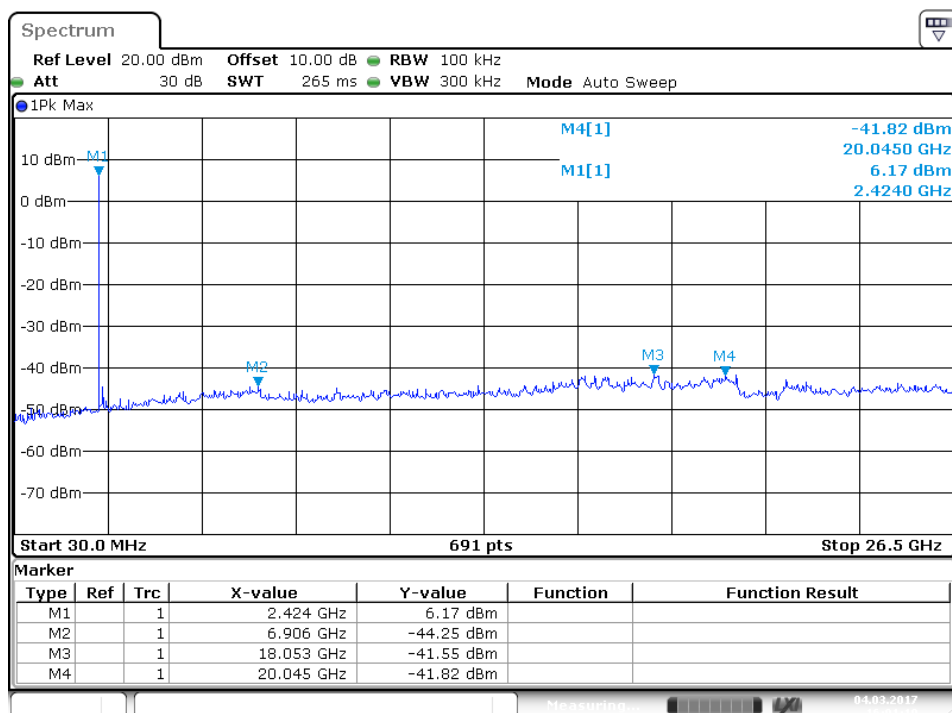
For details refer to following test plot.

## Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of BDR mode Low Channel

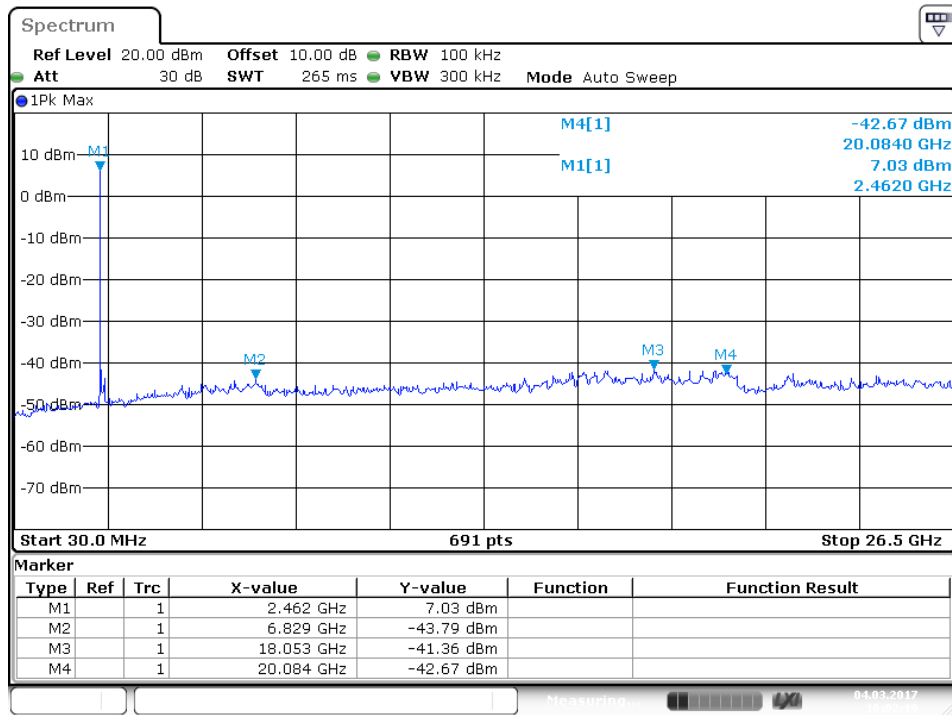


Date: 4.MAR.2017 16:00:00

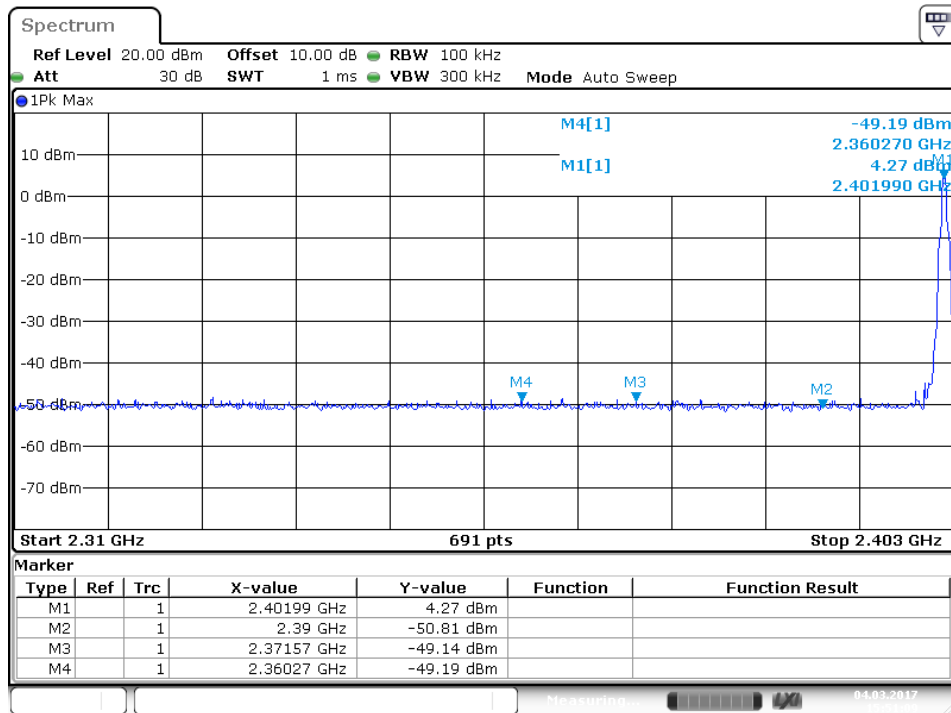
## Middle Channel



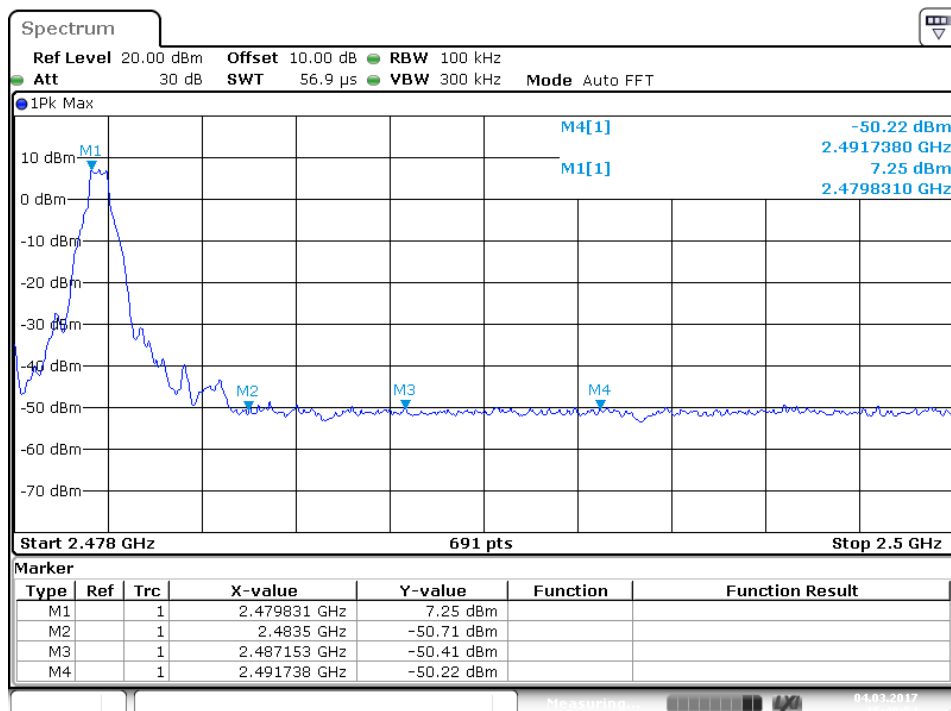
Date: 4.MAR.2017 16:01:10

**High Channel**


Date: 4.MAR.2017 16:02:18

**Band Edge**


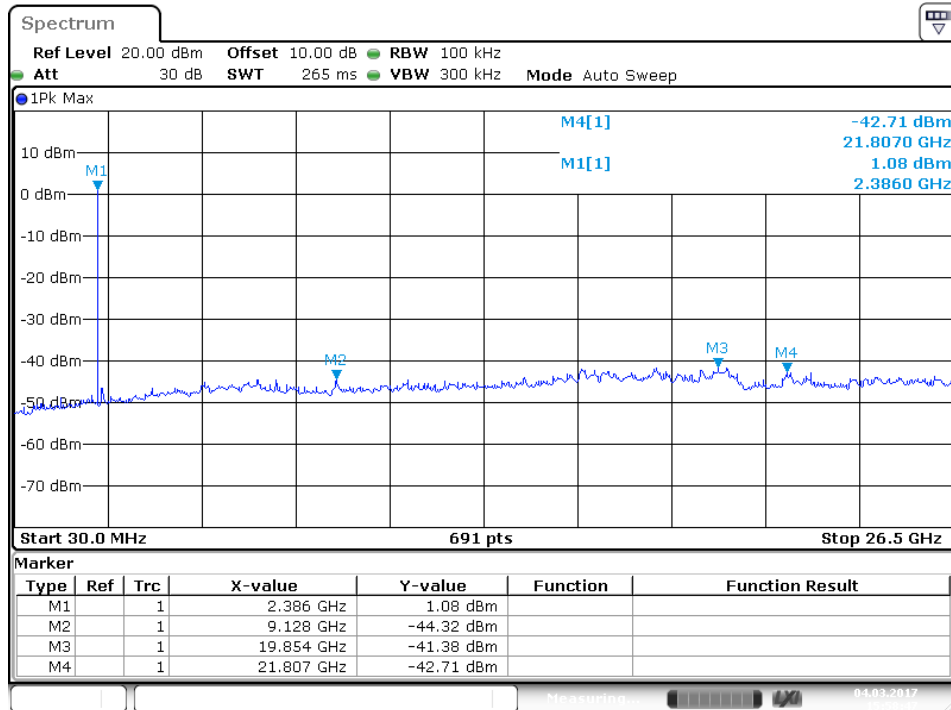
Date: 4.MAR.2017 15:51:09



Date: 4.MAR.2017 15:49:54

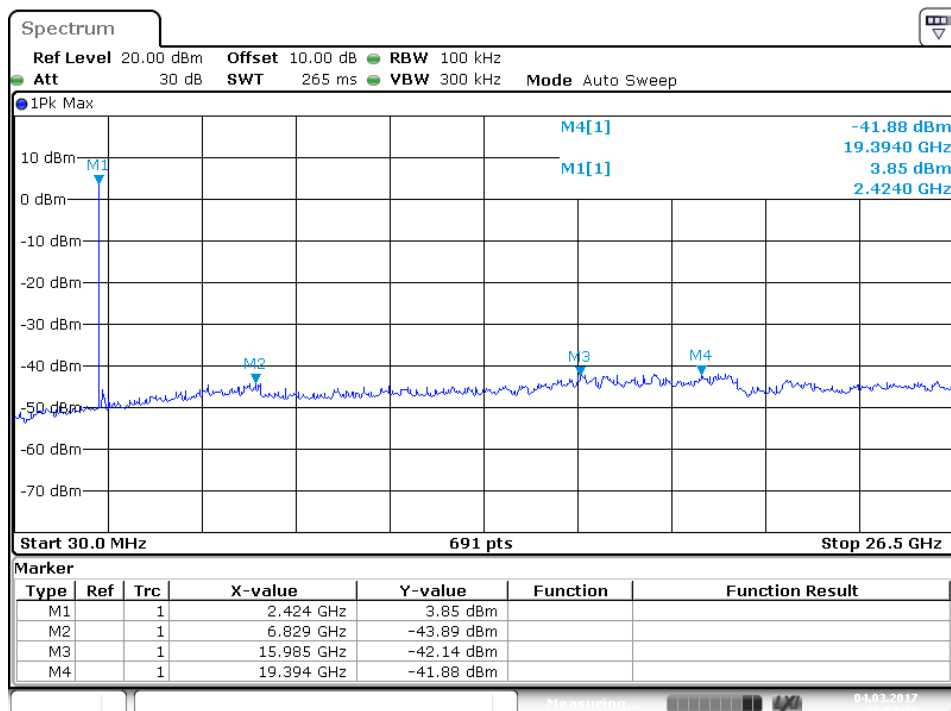
## Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of EDR mode

### Low Channel

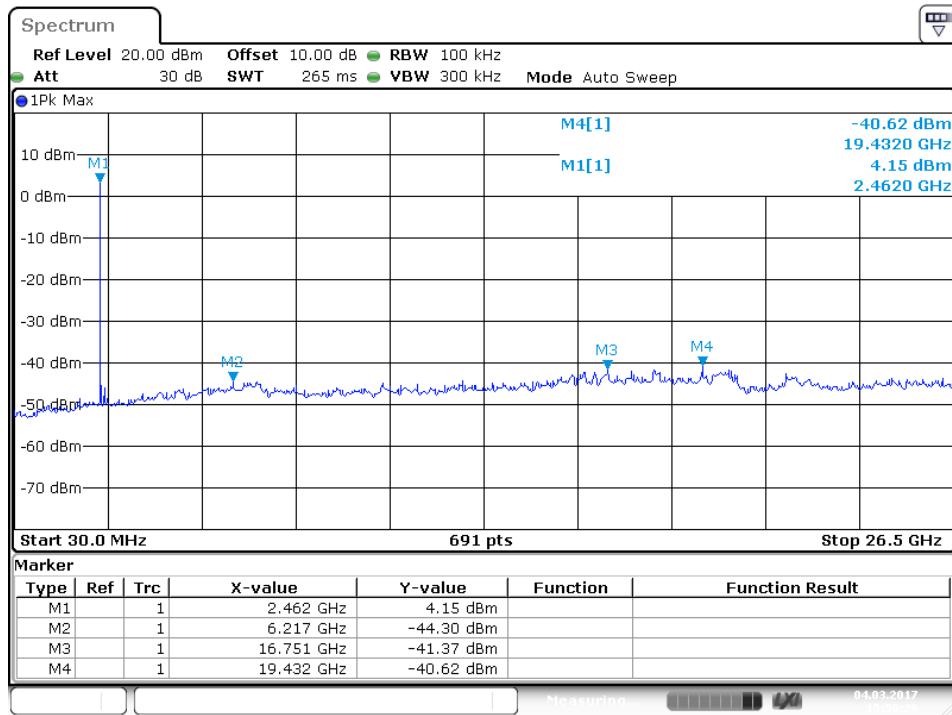


Date: 4.MAR.2017 15:58:46

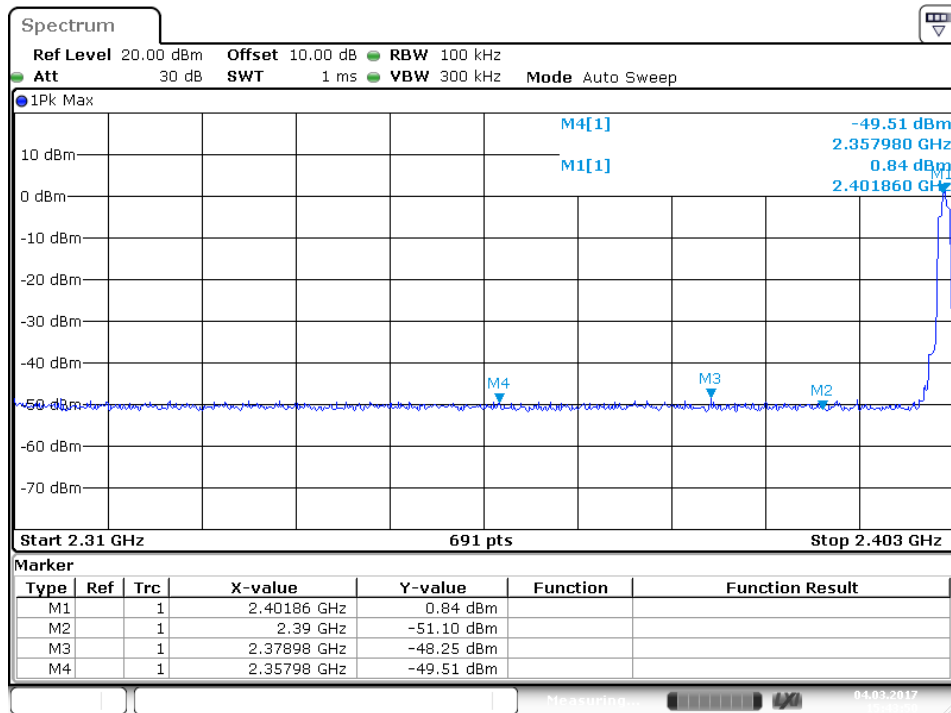
### Middle Channel



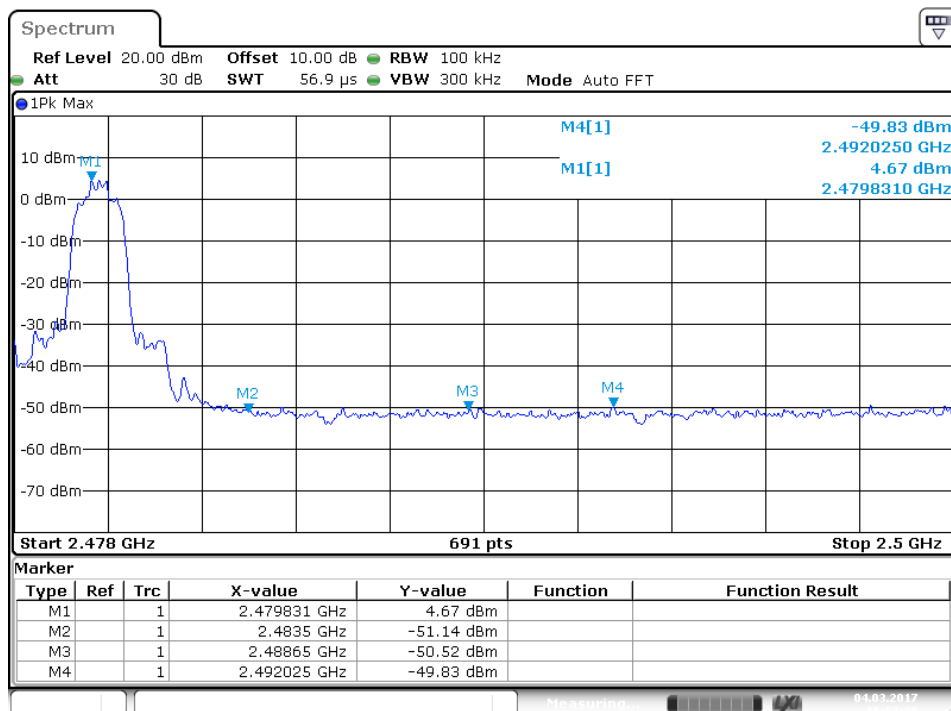
Date: 4.MAR.2017 15:57:38

**High Channel**


Date: 4.MAR.2017 15:56:26

**Band Edge**


Date: 4.MAR.2017 15:43:50

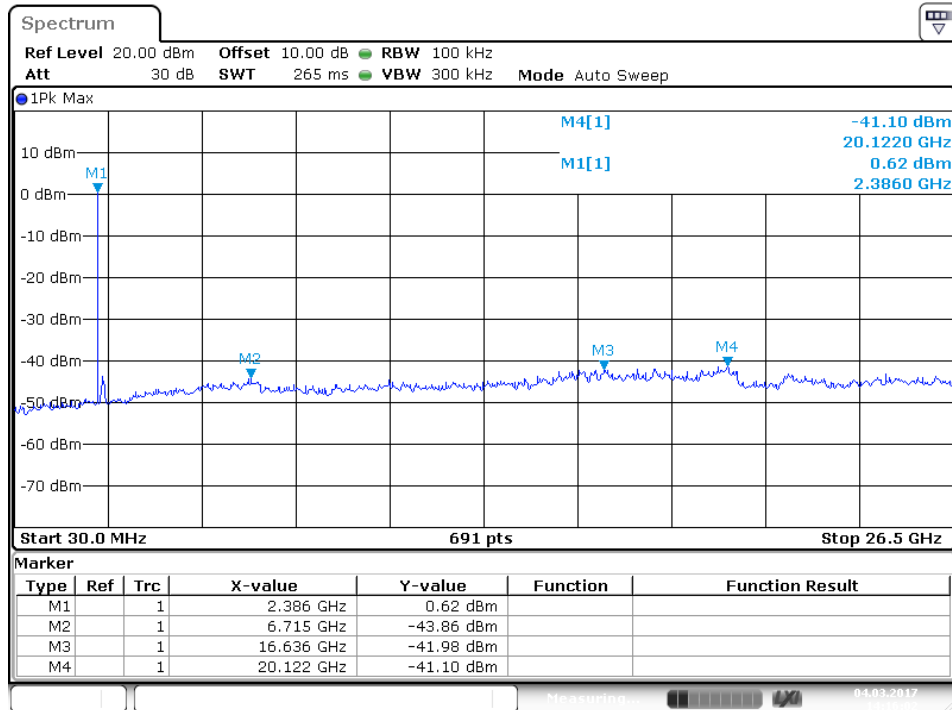


Date: 4.MAR.2017 15:53:38



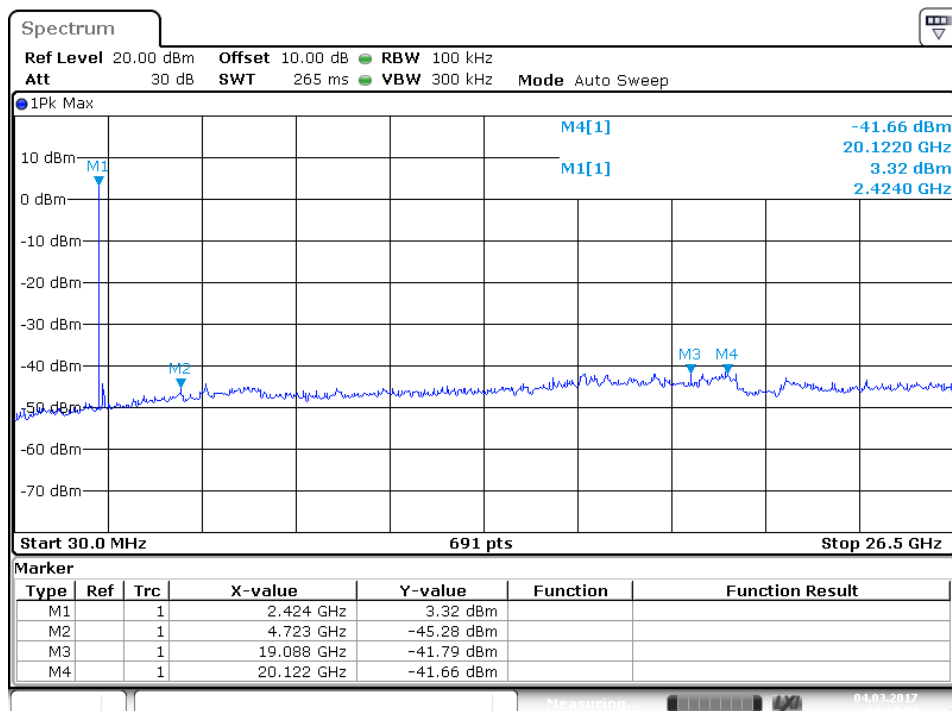
## Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of Low Energy mode

### Low Channel



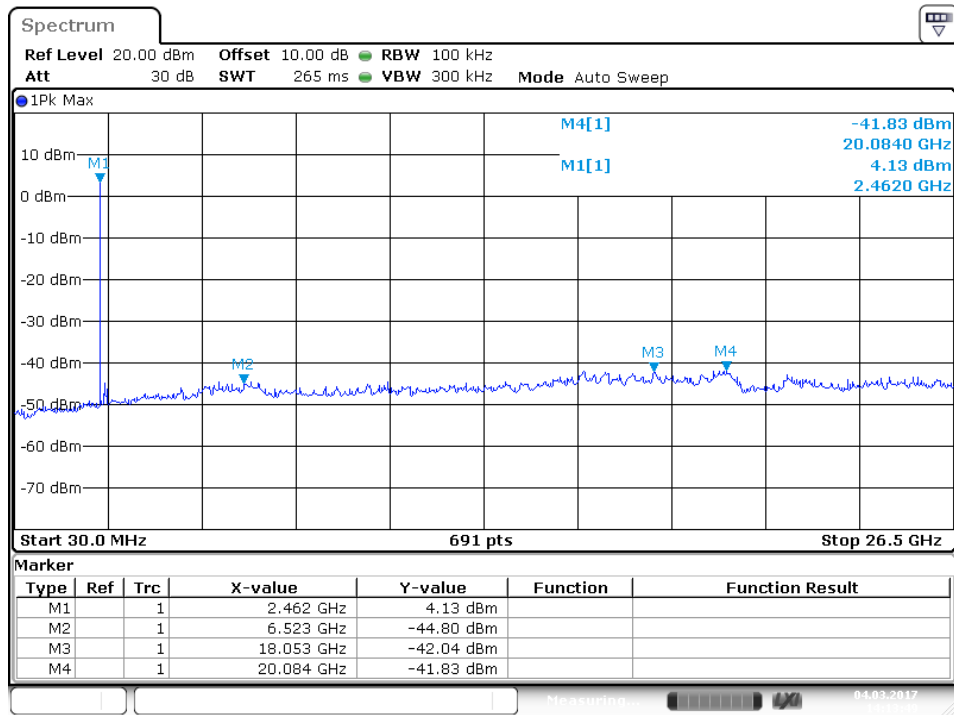
Date: 4.MAR.2017 14:16:02

### Middle Channel

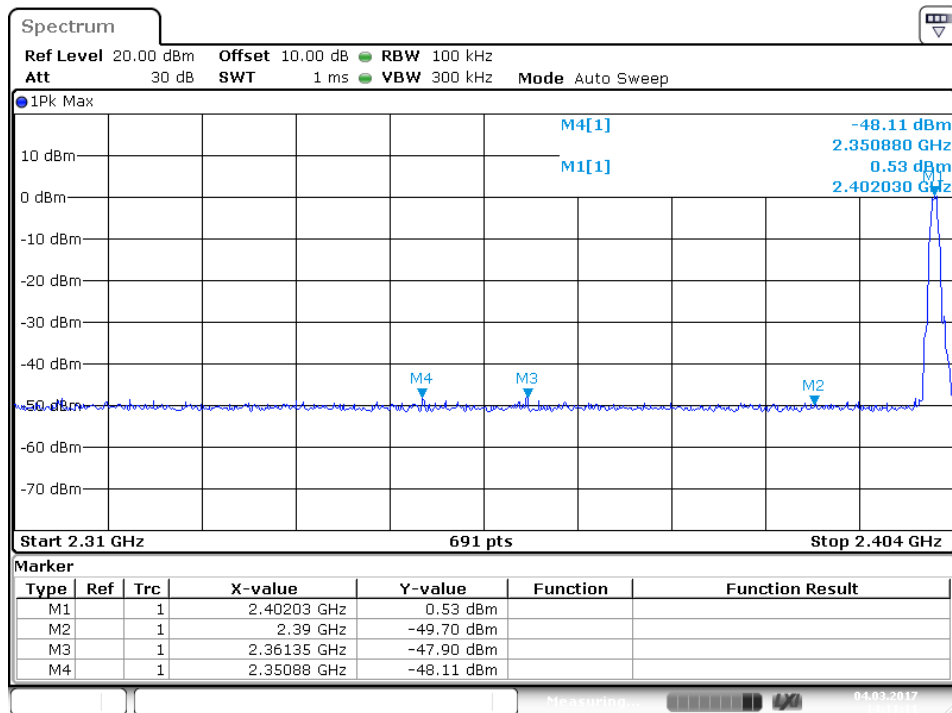


Date: 4.MAR.2017 14:14:52

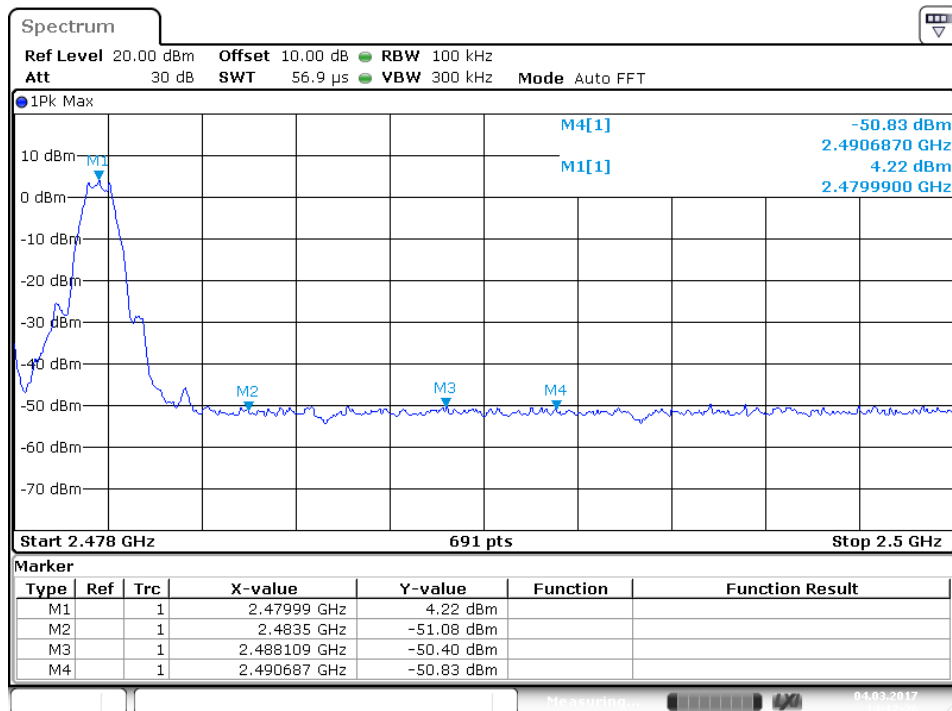
## High Channel



Date: 4.MAR.2017 14:13:49

**Band Edge**


Date: 4.MAR.2017 14:11:11



Date: 4.MAR.2017 14:12:26

**Prüfbericht - Nr.: 50075858 001**

Test Report No.

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**5.1.6 Power spectral density****RESULT:****Pass**

Date of testing : 2017-03-04  
Test standard : FCC part 15.247(e)  
RSS-247 clause 5.2(2)  
Basic standard : ANSI C63.10: 2013  
Clause 10 of KDB 558074 v03r05  
Limit : 8dBm/3kHz  
Kind of test site : Shield room

**Test setup**

Test Channel : Low/ Middle/ High  
Operation mode : A.2.a  
Ambient temperature : 25°C  
Relative humidity : 50%  
Atmospheric pressure : 101kPa

**Table 13: Test result of power spectral density:**

Mode	Channel (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Conclusion
Bluetooth Low Energy mode	2402	-14.32	8	Pass
	2440	-11.46	8	Pass
	2480	-10.81	8	Pass

**Prüfbericht - Nr.: 50075858 001**

Test Report No.

**Seite 29 von 127**

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### 5.1.7 Spurious Emission

**RESULT:****Pass**

Date of testing	:	2017-003-04 to 2017-03-08
Test standard	:	FCC part 15.247(d) RSS-Gen
Basic standard	:	ANSI C63.10: 2013 Clause 11 of KDB 558074 v03r05
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.a, A.2.a
Ambient temperature	:	23°C
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

## Test Plot of Spurious Emission of Bluetooth

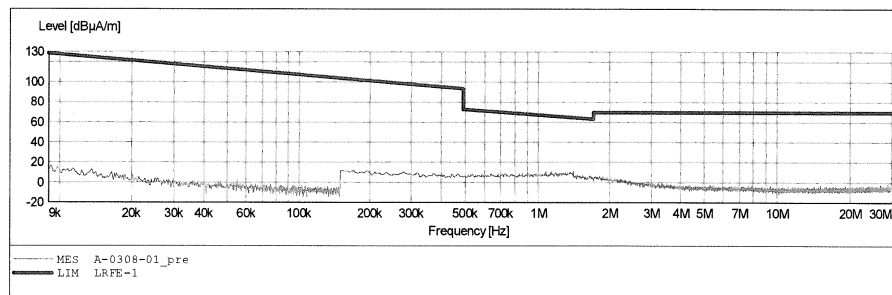
**ACCURATE TECHNOLOGY CO.,LTD**

**FCC Class B 3m Radiated**

EUT: Multimedia Speaker M/N:A200  
 Manufacturer: Edifier  
 Operating Condition: TX 2402MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: AC 120V/60Hz  
 Comment: X  
 Start of Test: 2017-3-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB STD VTERM2 1.70			
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

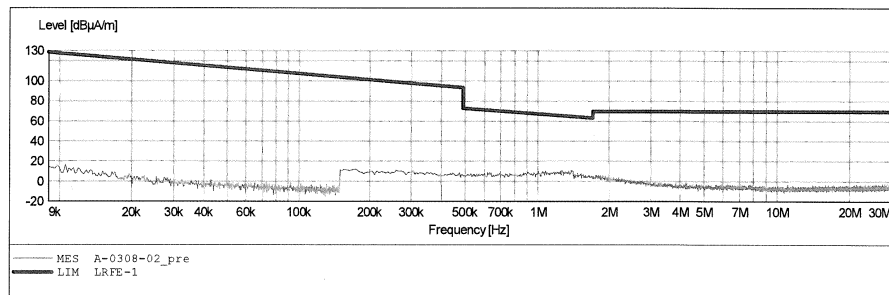


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: Multimedia Speaker M/N:A200  
 Manufacturer: Edifier  
 Operating Condition: TX 2402MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: AC 120V/60Hz  
 Comment: Y  
 Start of Test: 2017-3-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD_VTERM2 1.70			
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

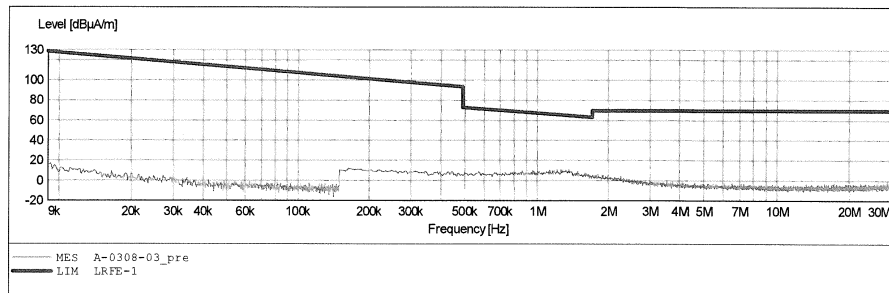


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: Multimedia Speaker M/N:A200  
 Manufacturer: Edifier  
 Operating Condition: TX 2402MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: AC 120V/60Hz  
 Comment: Z  
 Start of Test: 2017-3-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD_VTERM2 1.70			
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



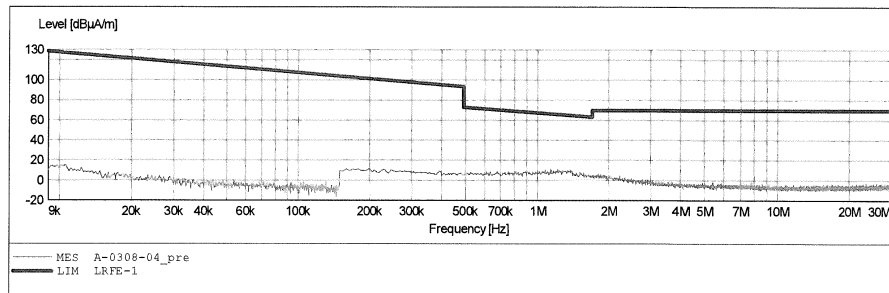


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: Multimedia Speaker M/N:A200  
 Manufacturer: Edifier  
 Operating Condition: TX 2441MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: AC 120V/60Hz  
 Comment: X  
 Start of Test: 2017-3-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD_VTERM2 1.70			
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

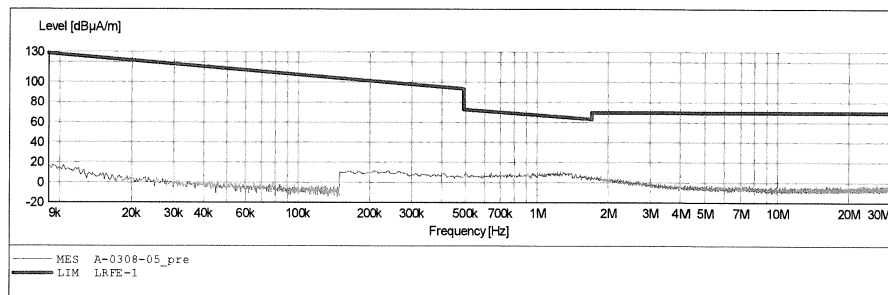


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: Multimedia Speaker M/N:A200  
 Manufacturer: Edifier  
 Operating Condition: TX 2441MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: AC 120V/60Hz  
 Comment: Y  
 Start of Test: 2017-3-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD_VTERM2 1.70			
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

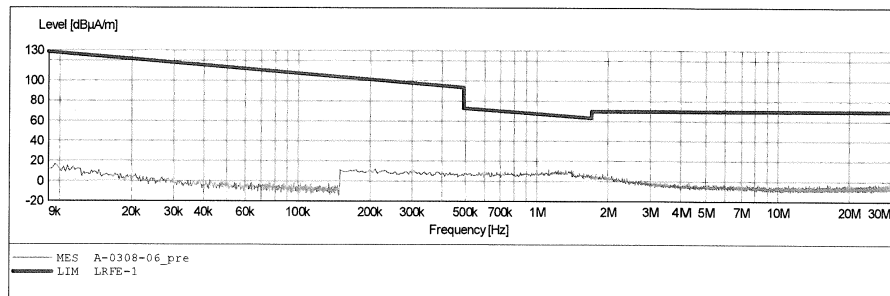


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: Multimedia Speaker M/N:A200  
 Manufacturer: Edifier  
 Operating Condition: TX 2441MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: AC 120V/60Hz  
 Comment: Z  
 Start of Test: 2017-3-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD_VTERM2 1.70			
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

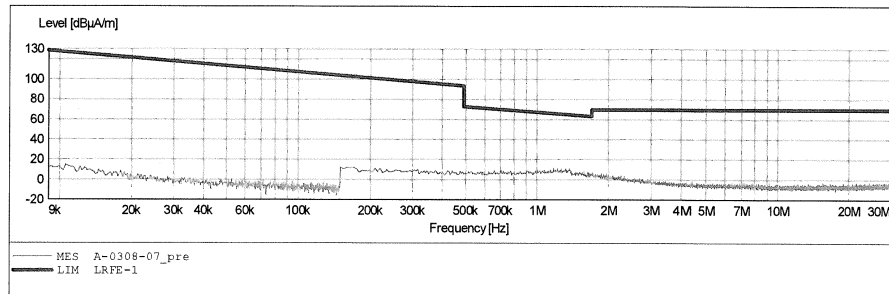


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: Multimedia Speaker M/N:A200  
 Manufacturer: Edifier  
 Operating Condition: TX 2480MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: AC 120V/60Hz  
 Comment: X  
 Start of Test: 2017-3-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD_VTERM2 1.70			
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

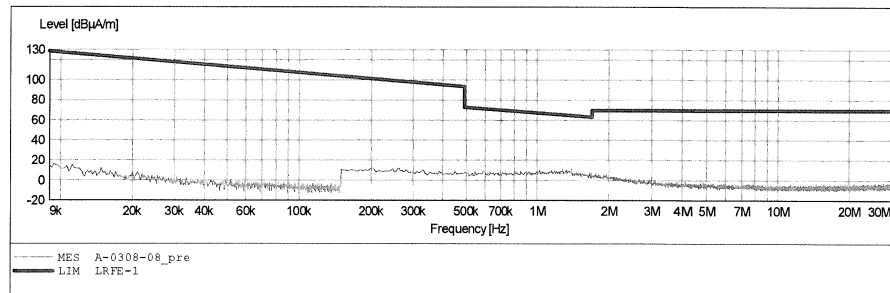


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: Multimedia Speaker M/N:A200  
 Manufacturer: Edifier  
 Operating Condition: TX 2480MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: AC 120V/60Hz  
 Comment: Y  
 Start of Test: 2017-3-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD_VTERM2 1.70			
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

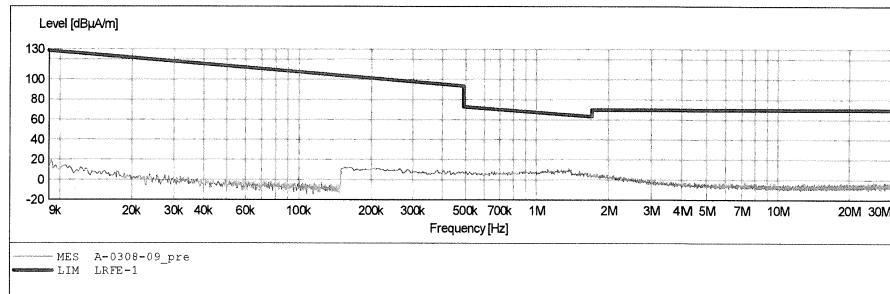


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: Multimedia Speaker M/N:A200  
 Manufacturer: Edifier  
 Operating Condition: TX 2480MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: AC 120V/60Hz  
 Comment: Z  
 Start of Test: 2017-3-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			_SUB_STD_VTERM2 1.70			
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




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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #1661

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Multimedia Speaker

Mode: TX 2402MHz

Model: A200

Manufacturer: Edifier

Polarization: Horizontal

Power Source: AC 120V/60Hz

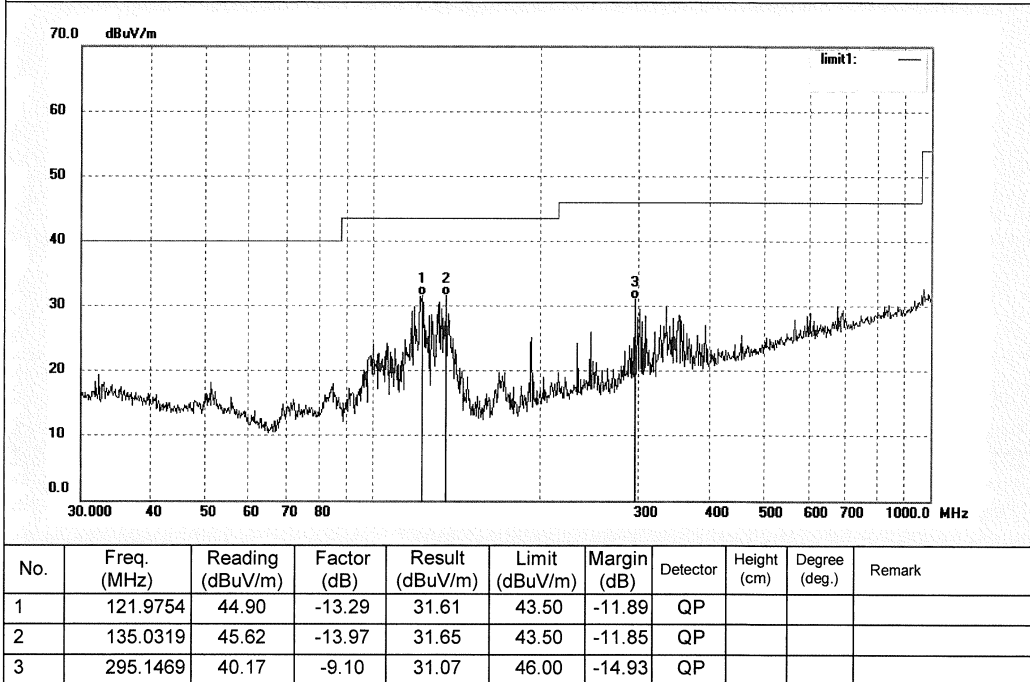
Date: 17/03/04/

Time:

Engineer Signature: WADE

Distance: 3m

Note: Bluetooth



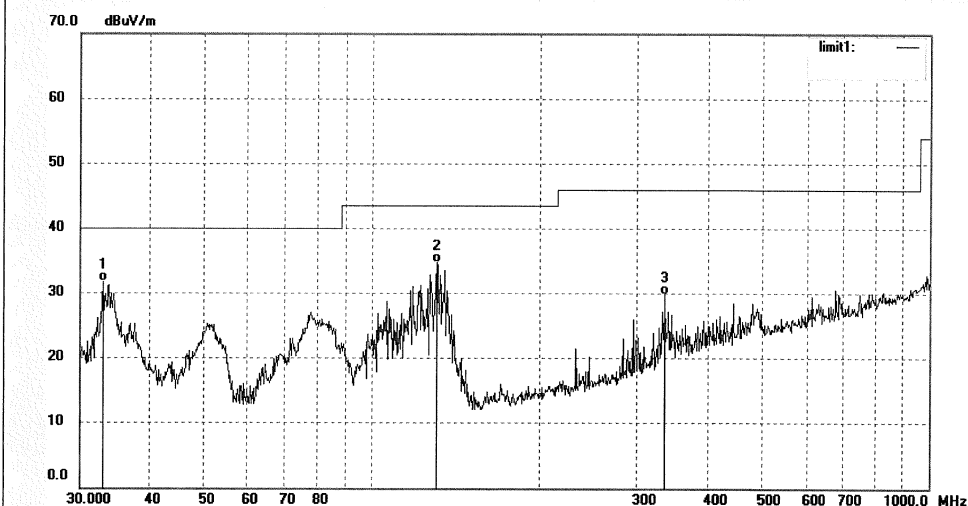

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 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

 Job No.: LGW2017 #1660  
 Standard: FCC Class B 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: Multimedia Speaker  
 Mode: TX 2402MHz  
 Model: A200  
 Manufacturer: Edifier

 Polarization: Vertical  
 Power Source: AC 120V/60Hz  
 Date: 17/03/04/  
 Time:  
 Engineer Signature: WADE  
 Distance: 3m

Note: Bluetooth



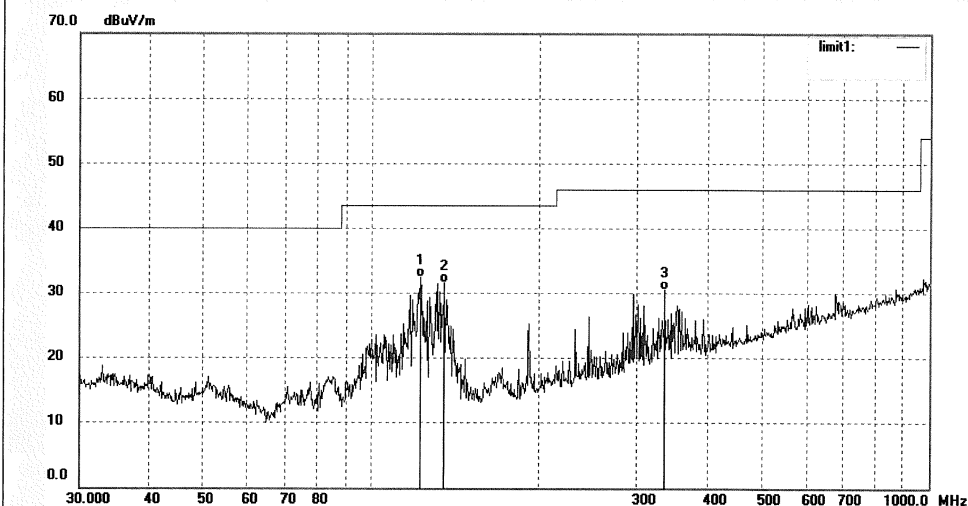
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.9791	41.66	-9.82	31.84	40.00	-8.16	QP			
2	130.3788	48.50	-13.78	34.72	43.50	-8.78	QP			
3	336.0351	37.73	-7.91	29.82	46.00	-16.18	QP			




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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 #1662	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 17/03/04/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Multimedia Speaker	Engineer Signature: WADE
Mode: TX 2441MHz	Distance: 3m
Model: A200	
Manufacturer: Edifier	
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	121.9754	45.79	-13.29	32.50	43.50	-11.00	QP			
2	135.0319	45.55	-13.97	31.58	43.50	-11.92	QP			
3	336.0351	38.40	-7.91	30.49	46.00	-15.51	QP			

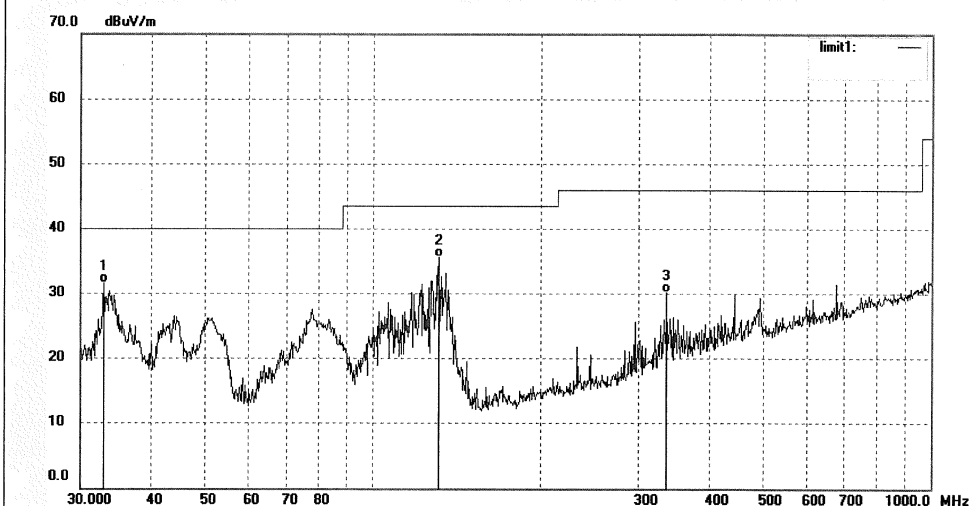

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 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

 Job No.: LGW2017 #1663  
 Standard: FCC Class B 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: Multimedia Speaker  
 Mode: TX 2441MHz  
 Model: A200  
 Manufacturer: Edifier

 Polarization: Vertical  
 Power Source: AC 120V/60Hz  
 Date: 17/03/04/  
 Time:  
 Engineer Signature: WADE  
 Distance: 3m

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	41.40	-9.82	31.58	40.00	-8.42	QP			
2	131.2965	49.38	-13.82	35.56	43.50	-7.94	QP			
3	336.0351	38.08	-7.91	30.17	46.00	-15.83	QP			


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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 #1665

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Multimedia Speaker

Mode: TX 2480MHz

Model: A200

Manufacturer: Edifier

Polarization: Horizontal

Power Source: AC 120V/60Hz

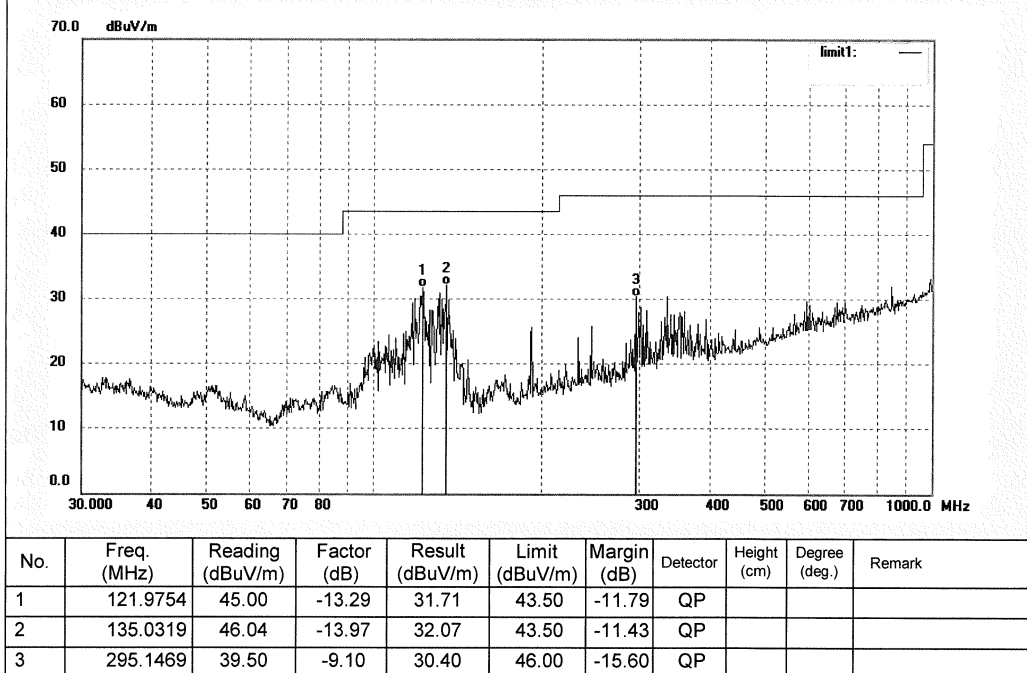
Date: 17/03/04/

Time:

Engineer Signature: WADE

Distance: 3m

Note: Bluetooth



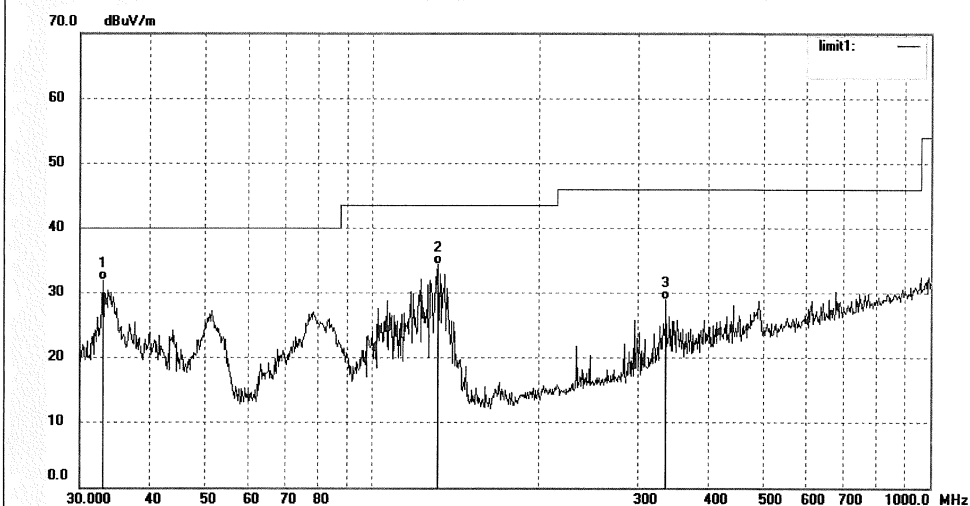

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 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

 Job No.: LGW2017 #1664  
 Standard: FCC Class B 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: Multimedia Speaker  
 Mode: TX 2480MHz  
 Model: A200  
 Manufacturer: Edifier

 Polarization: Vertical  
 Power Source: AC 120V/60Hz  
 Date: 17/03/04/  
 Time:  
 Engineer Signature: WADE  
 Distance: 3m

Note: Bluetooth



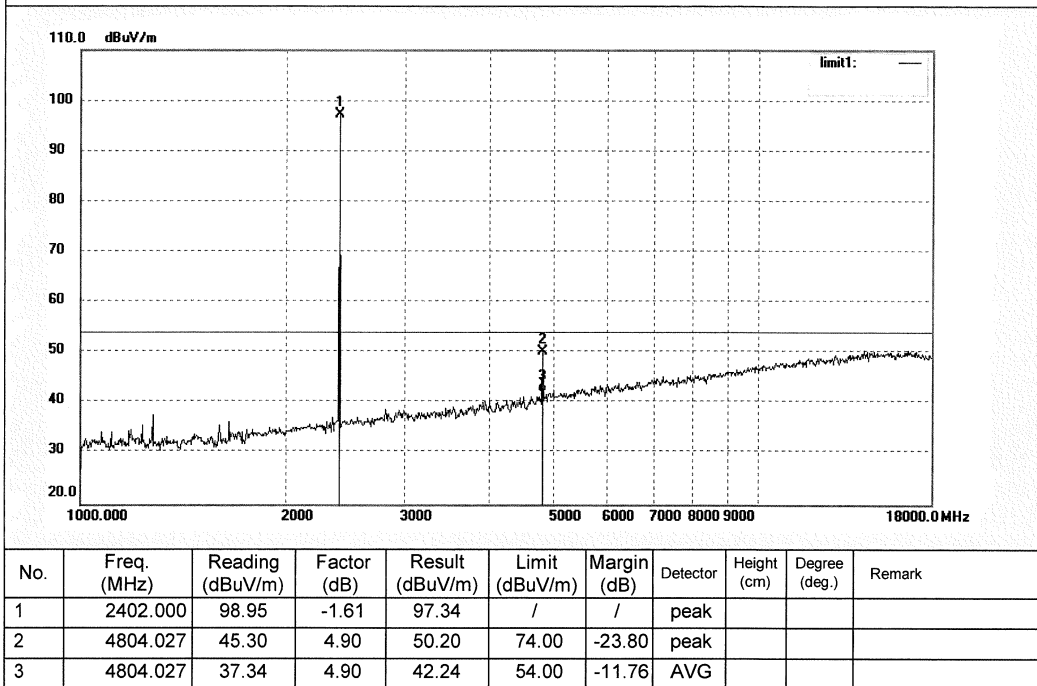
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.9791	41.71	-9.82	31.89	40.00	-8.11	QP			
2	131.2965	48.24	-13.82	34.42	43.50	-9.08	QP			
3	336.0351	36.81	-7.91	28.90	46.00	-17.10	QP			


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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 #1622	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 17/03/04/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Multimedia Speaker	Engineer Signature: WADE
Mode: TX 2402MHz	Distance: 3m
Model: A200	
Manufacturer: Edifier	

Note: Bluetooth




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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 #1623

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/03/04/

Temp.( C)/Hum.(%) 23 C / 48 %

Time:

EUT: Multimedia Speaker

Engineer Signature: WADE

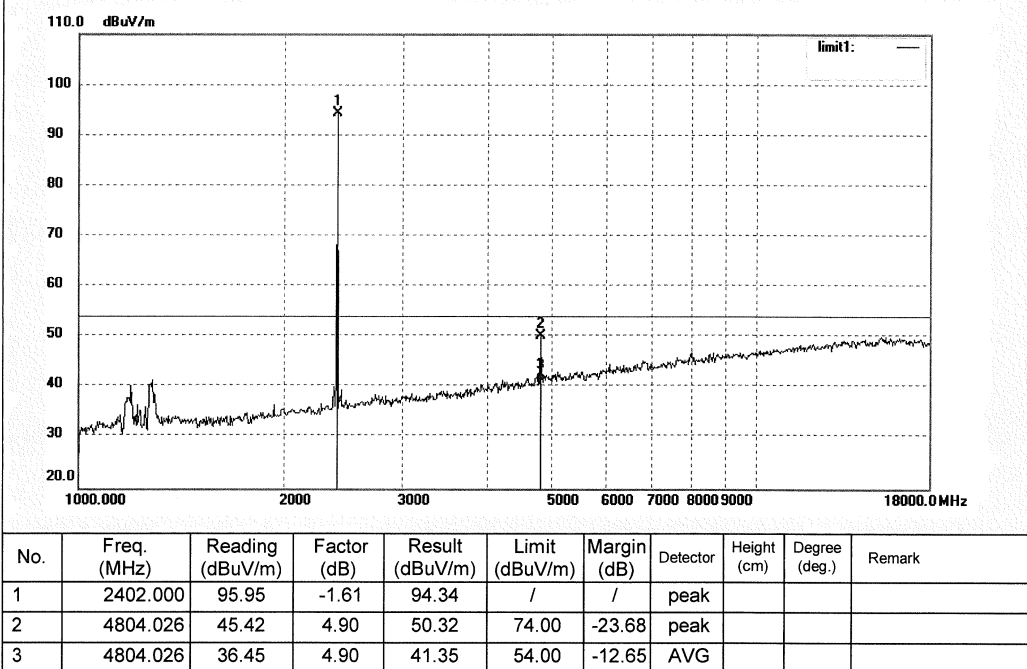
Mode: TX 2402MHz

Distance: 3m

Model: A200

Manufacturer: Edifier

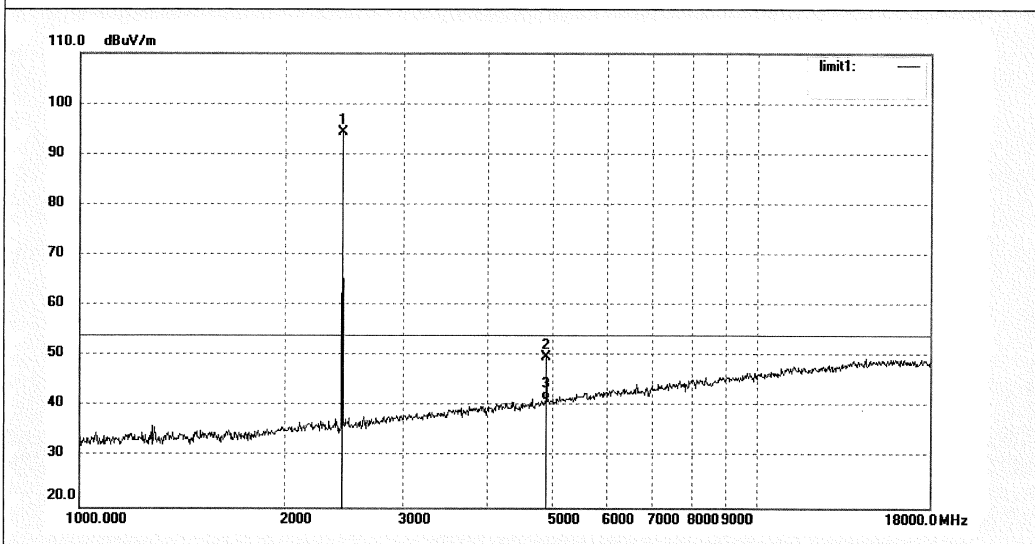
Note: Bluetooth




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Job No.: LGW2017 #1626	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 17/03/04/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Multimedia Speaker	Engineer Signature: WADE
Mode: TX 2441MHz	Distance: 3m
Model: A200	
Manufacturer: Edifier	
Note: Bluetooth	



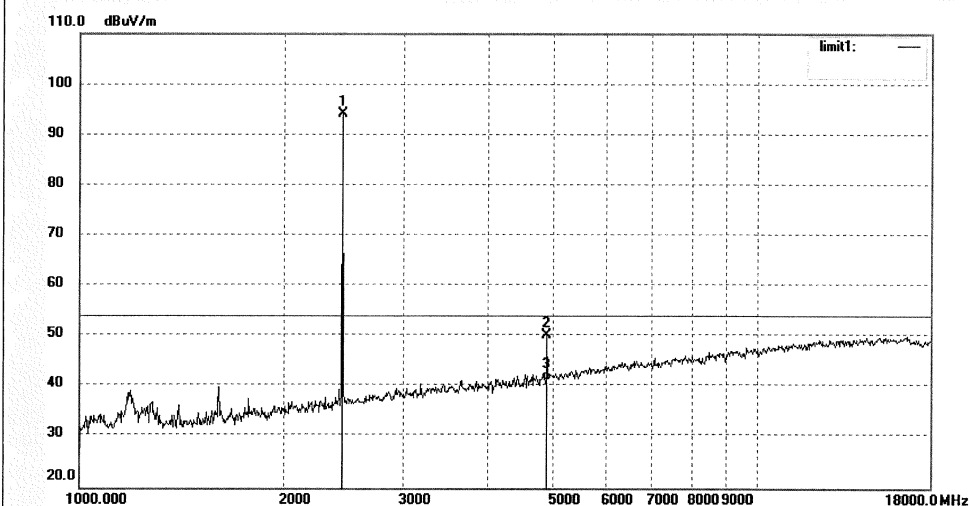
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	95.80	-1.44	94.36	/	/	peak			
2	4882.024	44.19	5.61	49.80	74.00	-24.20	peak			
3	4882.024	35.74	5.61	41.35	54.00	-12.65	AVG			




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Job No.: LGW2017 #1627	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 17/03/04/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: Multimedia Speaker	Engineer Signature: WADE
Mode: TX 2441MHz	Distance: 3m
Model: A200	
Manufacturer: Edifier	
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	95.68	-1.44	94.24	/	/	peak			
2	4882.025	44.65	5.61	50.26	74.00	-23.74	peak			
3	4882.025	35.74	5.61	41.35	54.00	-12.65	AVG			



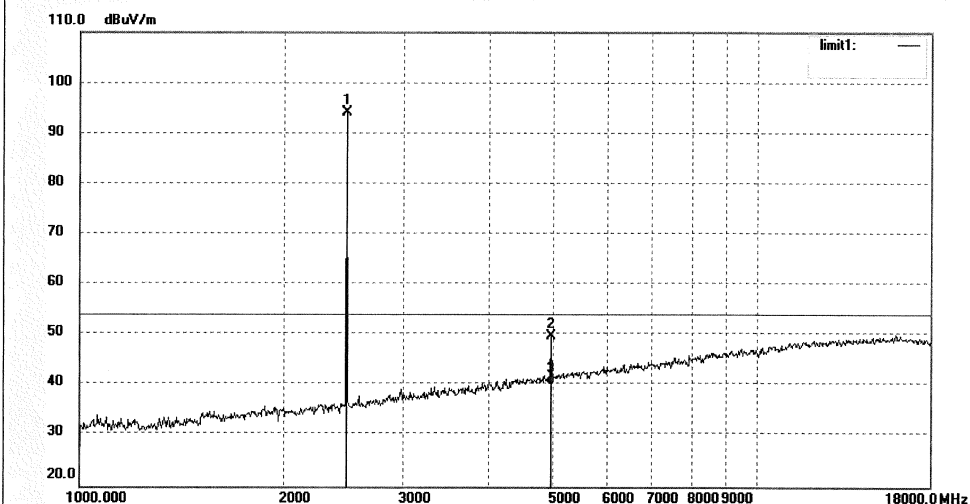

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 Job No.: LGW2017 #1629  
 Standard: FCC Class B 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: Multimedia Speaker  
 Mode: TX 2480MHz  
 Model: A200  
 Manufacturer: Edifier

 Polarization: Horizontal  
 Power Source: AC 120V/60Hz  
 Date: 17/03/04/  
 Time:  
 Engineer Signature: WADE  
 Distance: 3m

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	95.63	-1.40	94.23	/	/	peak			
2	4960.028	43.67	6.10	49.77	74.00	-24.23	peak			
3	4960.028	34.15	6.10	40.25	54.00	-13.75	AVG			


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Job No.: LGW2017 #1628

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Multimedia Speaker

Mode: TX 2480MHz

Model: A200

Manufacturer: Edifier

Polarization: Vertical

Power Source: AC 120V/60Hz

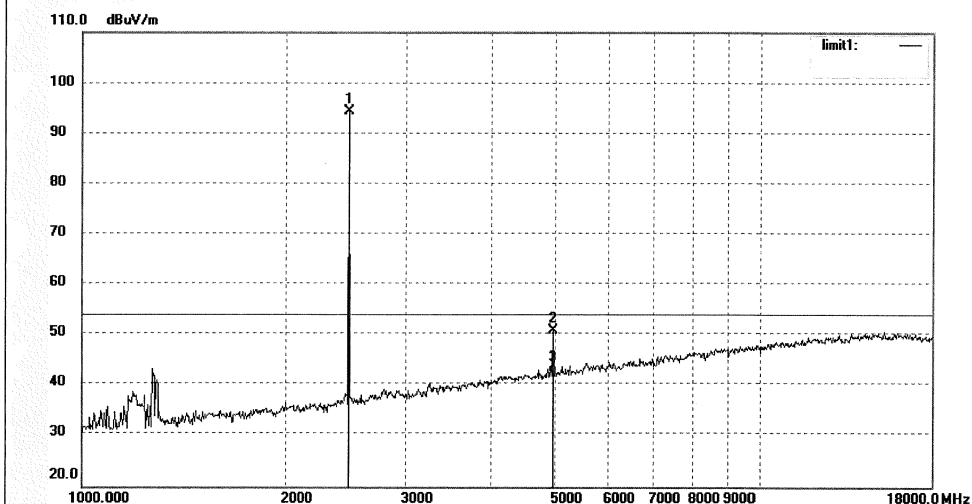
Date: 17/03/04/

Time:

Engineer Signature: WADE

Distance: 3m

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	95.80	-1.40	94.40	/	/	peak			
2	4960.027	44.78	6.10	50.88	74.00	-23.12	peak			
3	4960.027	36.25	6.10	42.35	54.00	-11.65	AVG			