

Prüfbericht-Nr.: Test Report No.:	50074306 00	1	Auftrags-Nr.: Order No.:	16 <b>4</b> 085593	Seite 1 von 115 Page 1 of 115
Kunden-Referenz-Nr.: Client Reference No.:	N/A		Auftragsdatu Order date:	m: 13.02.2017	
Auftraggeber: Client:	Edifier International	ational Limited, R	Room 2207-9, To	ower Two, Lippo Ce	entre 89 Queensway,
Prüfgegenstand: Test item:	Multimedia S	peaker			
Bezeichnung / Typ-Nr.: Identification / Type No.:	R1010BT (EDIFIER)				
Auftrags-Inhait: Order content:	FCC/IC Certif	ication			
Prüfgrundlage: Test specification:	CFR47 FCC Par	•	on 15.209 CFR47 on 15.109 FCC K RSS-0	7 FCC Part 15: Subpart 7 FCC Part 15: Subpart (DB Publication 447498 Gen Issue 4 November 2 02 Issue 5 March 2015	B Section 15.107 D01 v06
Wareneingangsdatum: Date of receipt:	13.02.2017				
Prüfmuster-Nr.: Test sample No.:	A000493177-	001, A00049317	7-002, A000493	3177-003	
Prüfzeitraum: Testing period:	18.02.2017 - (	04.03.2017			
Ort der Prüfung: Place of testing:	Accurate Tec	hnology Co., Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinlar	nd (Shenzhen) Co	o., Ltd.		
Prüfergebnis*: Test result*:	Pass				
geprüft von I tested by:	Man		kontrolliert vo	on I reviewed by:	
10.03.2017 Andy Yan/Pi	roject Manager		10.03.2017	Owen Tian/Technical	Certicier
Datum Name / Stellu Date Name / Positio	•	Unterschrift Signature		Name / Stellung Name / Position	Unterschrift Signature
Sonstiges / Other:	FCC ID: Z9G- IC: 10004A-EI	EDF37		vano i i osaon	Signature
Zustand des Prüfgegens Condition of the test item		nlieferung:		lständig und unbeso plete and undamage	
Legende: 1 = sehr gut	2 = gut	3 = befriedigend		4 = ausreichend	5 = mangelhaft
P(ass) = entspricht o.g	. Prüfgrundlage(n) 2 = good	F(ail) = entspricht nich 3 = satisfactory	nt o.g. Prüfgrundlage(n	) N/A = n!cht anwendbar	N/T = nicht getestet



**Products** 

 Prüfbericht - Nr.:
 50074306 001
 Seite 2 von 115

 Test Report No.
 Page 2 of 115

## **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

#### Produkte **Products**

50074306 001 Prüfbericht - Nr.: Test Report No.

Seite 3 von 115 Page 3 of 115

Col	ntents	
1.	GENERAL REMARKS	5
1.1	COMPLEMENTARY MATERIALS	5
2.	TEST SITES	5
2.1	TEST FACILITIES	5
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS	6
2.3	TRACEABILITY	7
2.4	CALIBRATION	7
2.5	MEASUREMENT UNCERTAINTY	7
2.6	LOCATION OF ORIGINAL DATA	7
2.7	STATUS OF FACILITY USED FOR TESTING	7
3.	GENERAL PRODUCT INFORMATION	8
3.1	PRODUCT FUNCTION AND INTENDED USE	8
3.2	RATINGS AND SYSTEM DETAILS	8
3.3	INDEPENDENT OPERATION MODES	10
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS	10
3.5	SUBMITTED DOCUMENTS	10
4.	TEST SET-UP AND OPERATION MODES	11
4.1	PRINCIPLE OF CONFIGURATION SELECTION	11
4.2	TEST OPERATION AND TEST SOFTWARE	11
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	11
4.4	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE	11
4.5	TEST SETUP DIAGRAM	12
5.	TEST RESULTS	14
5.1	TRANSMITTER REQUIREMENT & TEST SUITES	
5.1. 5.1.		
5. 1. 5. 1.	,	
5.1	4 6dB Bandwidth and 99% Bandwidth	17
5.1	,	
5.1.	,	
5.1. 5.1.	,	
5. 1.		
5.1	.10 Time of Occupancy	94
5.1.		
5.1. <b>6.</b>	12 Radiated Emission  SAFETY HUMAN EXPOSURE	
6.1	RADIO FREQUENCY EXPOSURE COMPLIANCE	
J. I	TODO T REGULATION EX COURT DOWN LIAMOLIMINATION	1 1 1



Products

Prüfbericht - Nr.: Test Report No.	50074306 001	<b>Seite 4 von 115</b> Page 4 of 115
6.1.1 Electromagnetic	Fields	111
7. PHOTOGRAPHS OF	THE TEST SET-UP	112
8. LIST OF TABLES		115
9. LIST OF PHOTOGR	APHS	115

Produkte Products

 Prüfbericht - Nr.:
 50074306 001
 Seite 5 von 115

 Test Report No.
 Page 5 of 115

# 1. General Remarks

# 1.1 Complementary Materials

None.

## 2. Test Sites

## 2.1 Test Facilities

Accurate Technology Co., Ltd.

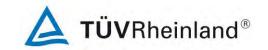
(FCC Registration No.: 752051)

(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.





Prüfbericht - Nr.: 50074306 001

Test Report No.

**Seite 6 von 115** *Page 6 of 115* 

## 2.2 List of Test and Measurement Instruments

**Table 1: List of Test and Measurement Equipment** 

Kind of Equipment	Manufacturer	Туре	S/N	Calibrated until				
Transmitter spurious emission	Transmitter spurious emissions							
Spectrum Analyzer	Rohde & Schwarz	FSV40	101495	2018-01-06				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2018-01-06				
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2018-01-10				
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2018-01-10				
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2018-01-10				
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2018-01-10				
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				
Radio Spectrum Test								
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				
Conducted Emission								
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				



 Prüfbericht - Nr.:
 50074306 001
 Seite 7 von 115

 Test Report No.
 Page 7 of 115

# 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 basics using in house standards or comparisons.

# 2.5 Measurement Uncertainty

**Table 2: Measurement Uncertainty** 

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

# 2.6 Location of Original Data

The original copies of all test data taken during actual testing were 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.



 Prüfbericht - Nr.:
 50074306 001
 Seite 8 von 115

 Test Report No.
 Page 8 of 115

# 3. General Product Information

## 3.1 Product Function and Intended Use

The EUT is a multimedia speaker with Bluetooth function used for audio entertainment in house or similar environment. It operates at 2.4GHz ISM frequency band.

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	Multimedia Speaker
Type Designation	R1010BT
FCC ID	Z9G-EDF37
IC	10004A-EDF37
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, π/4DQPSK
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)		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



#### Produkte Products

 Prüfbericht - Nr.:
 50074306 001
 Seite 9 von 115

 Test Report No.
 Page 9 of 115

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 Monitor Speaker
Type Designation	S2000 Pro
FCC ID	Z9G-EDF32
IC	10004A-EDF32
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)		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		

Products

 Prüfbericht - Nr.:
 50074306 001
 Seite 10 von 115

 Test Report No.
 Page 10 of 115

# 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. Line in 1
- C. Line in 2
- D. Standby
- E. 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

Products



 Prüfbericht - Nr.:
 50074306 001
 Seite 11 von 115

 Test Report No.
 Page 11 of 115

# 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
Galaxy S6	SAMSUNG	SM-G9209	R28G91298WH
Notebook PC	Lenovo	ThinkPad X240	

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
Speaker out	5 cores, non-shielded port, 5m	Audio Output
Line in 1	2 cores, non-shielded port, 3m	Audio Input
Line in 2	2 cores, non-shielded port, 3m	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.

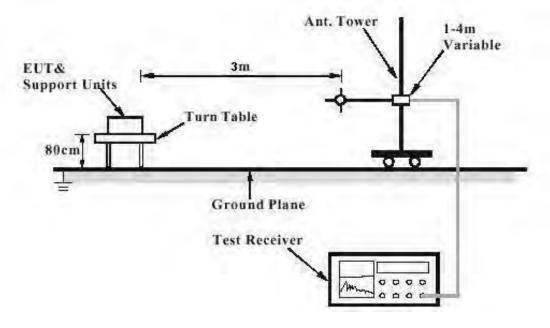
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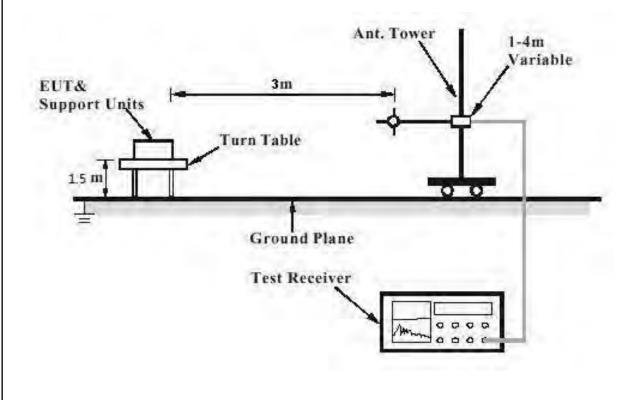


50074306 001 **Seite 12 von 115** Prüfbericht - Nr.: Page 12 of 115 Test Report No.

# 4.5 Test Setup Diagram

**Diagram of Measurement Configuration for Radiation Test** 







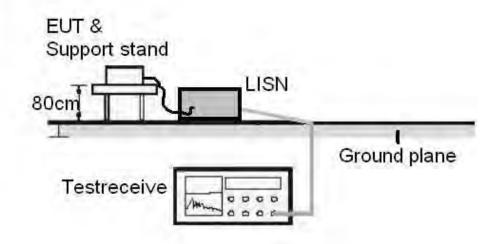
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Prüfbericht - Nr.: 50074306 001

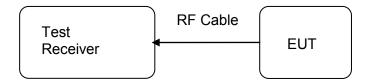
**Seite 13 von 115**Page 13 of 115

Test Report No.

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



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





 Prüfbericht - Nr.:
 50074306 001
 Seite 14 von 115

 Test Report No.
 Page 14 of 115

# 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.

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50074306 001 **Seite 15 von 115** Prüfbericht - Nr.: Page 15 of 115 Test Report No.

## **5.1.2 Maximum Peak Conducted Output Power**

**RESULT: Pass** 

Test date 2017-03-03

FCC Part 15.247(b)(1) Test standard

> FCC Part 15.247(b)(3) RSS-247 clause 5.4(2) RSS-247 clause 5.4(4)

ANSI C63.10: 2013 Basic standard

Clause 9.1 of KDB 558074 v03r05

1W Limit

Kind of test site Shielded room

**Test setup** 

Test Channel Low/ Middle/ High

A.1.a, A.2.a

Test Channel :
Operation Mode :
Ambient temperature : **25**℃ Relative humidity 50% Atmospheric pressure 101kPa

#### Table 7: Test result of Peak Output Power of Buletooth (BDR mode)

Channel	Channel Frequency	Peak Output Power	Limit
Channel	(MHz)	(dBm)	(dBm)
Low Channel	2402	7.34	30
Middle Channel	2441	8.58	30
High Channel	2480	8.93	30

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

Channel	Channel Frequency	Peak Output Power	Limit
Charine	(MHz)	(dBm)	(dBm)
Low Channel	2402	5.86	30
Middle Channel	2441	7.77	30
High Channel	2480	8.15	30

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

Channel	Channel Frequency	Peak Output Power	Limit
Chamilei	(MHz)	(dBm)	(dBm)
Low Channel	2402	0.36	30
Middle Channel	2440	0.68	30
High Channel	2480	0.76	30



**Products** 

 Prüfbericht - Nr.:
 50074306 001
 Seite 16 von 115

 Test Report No.
 Page 16 of 115

## 5.1.3 20dB Bandwidth and 99% Bandwidth

RESULT: Pass

Date of testing : 2016-03-03

Test standard : FCC Part 15.247(a)(1)

RSS-210 clause 5.1(2) RSS-Gen clause 6.6

ANSI C63.10: 2013

- ANSI COS. 10. 2013

Clause 8 of KDB 558074 v03r01

Kind of test site : Shielded room

**Test setup** 

Basic standard

Test Channel : Low/ Middle/ High

Operation Mode : A.1.a Ambient temperature :  $25^{\circ}$ C Relative humidity : 50% Atmospheric pressure : 101kPa

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

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	0.933	0.942
Mid Channel	2441	0.938	0.933
High Channel	2480	0.938	0.929

#### Table 11: Test result of 20dB & 99% Bandwidth of EDR mode

Channel	Channel	20dB Bandwidth	99% Bandwidth
Chamilei	Frequency (MHz)	(MHz)	(MHz)
Low Channel	2402	1.207	1.194
Mid Channel	2441	1.207	1.198
High Channel	2480	1.207	1.203



**Products** 

 Prüfbericht - Nr.:
 50074306 001
 Seite 17 von 115

 Test Report No.
 Page 17 of 115

5.1.4 6dB Bandwidth and 99% Bandwidth

RESULT: Pass

Date of testing : 2017-03-02

Test standard : FCC Part 15.247(a)(2)

RSS-247 clause 5.2(1) RSS-Gen clause 6.6

ANSI C63.10: 2013

Clause 8 of KDB 558074 v03r01

Kind of test site : Shielded room

**Test setup** 

Basic standard

Test Channel : Low/ Middle/ High

Operation Mode : A.2.a Ambient temperature :  $25^{\circ}$ C Relative humidity : 50% Atmospheric pressure : 101kPa

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

Channel	Channel	6dB Bandwidth	Limit of 6dB	99% Bandwidth
Charmer	Frequency (MHz)	(MHz)	Bandwidth (MHz)	(MHz)
Low Channel	2402	0.708	≥0.5	1.042
Mid Channel	2440	0.699	≥0.5	1.046
High Channel	2480	0.703	≥0.5	1.046



**Products** 

50074306 001 **Seite 18 von 115** Prüfbericht - Nr.:

Test Report No.

Page 18 of 115

## 5.1.5 Conducted Spurious Emissions measured in 100kHz Bandwidth

**RESULT: Pass** 

2017-03-03 Date of testing

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);

Shield room Kind of test site

**Test setup** 

**Test Channel** Low/ Middle/ High

A.1.a, A.2.a

Operation mode :
Ambient temperature : **25**℃ Relative humidity 50% Atmospheric pressure : 101kPa

For details refer to following test plot.

Products

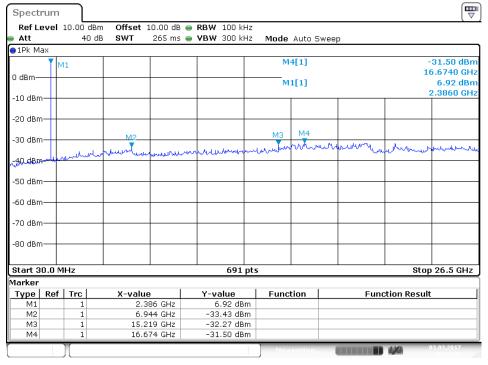
Prüfbericht - Nr.: 50074306 001

**Seite 19 von 115**Page 19 of 115

Test Report No.

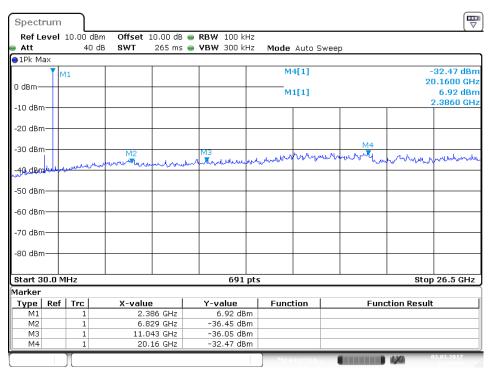
# Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of BDR mode

#### **Low Channel**



Date: 3.MAR.2017 10:23:37

#### Middle Channel



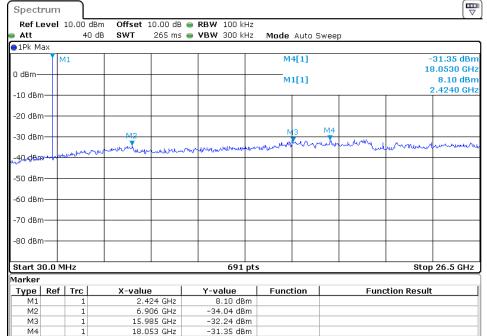
Date: 3.MAR.2017 10:20:29



**Products** 

 Prüfbericht - Nr.:
 50074306 001
 Seite 20 von 115

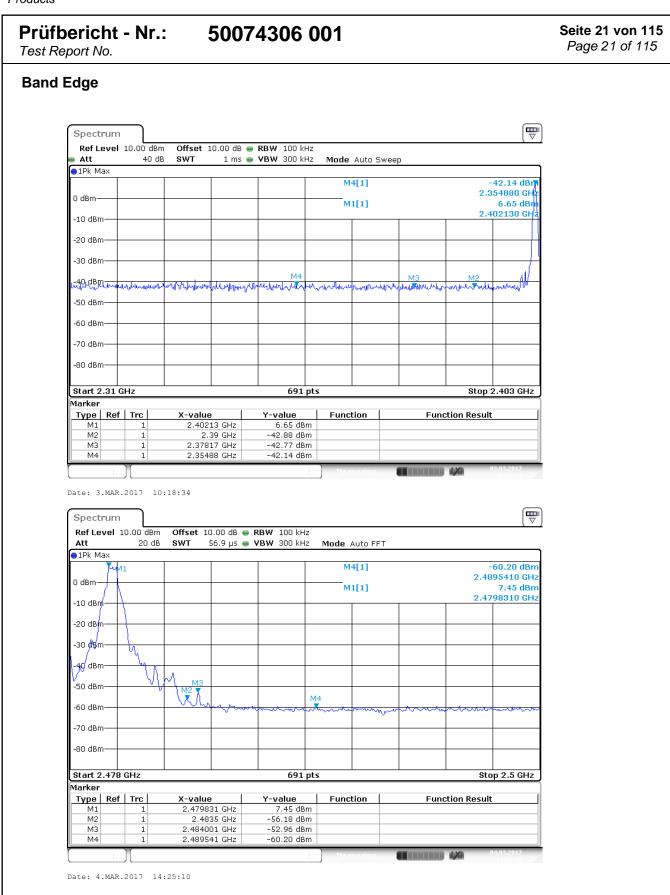
 Test Report No.
 Page 20 of 115



Date: 3.MAR.2017 10:21:46



**Products** 



Products

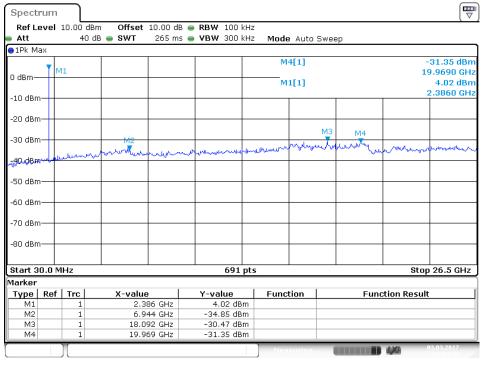
Prüfbericht - Nr.: 50074306 001

**Seite 22 von 115**Page 22 of 115

Test Report No.

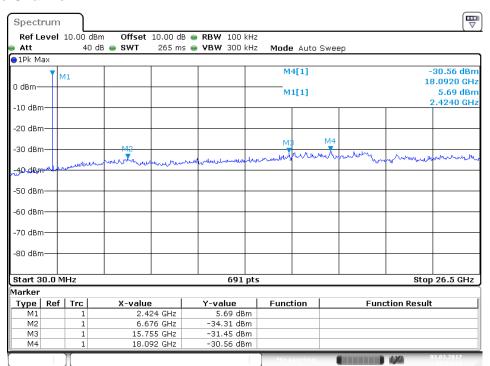
# Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of EDR mode

#### **Low Channel**



Date: 3.MAR.2017 12:53:44

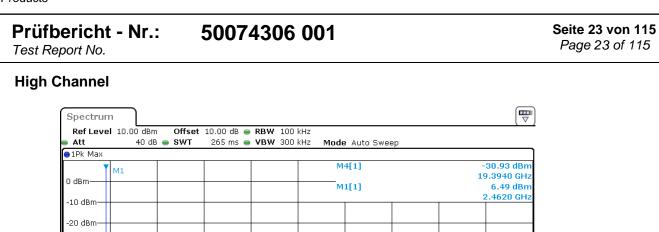
#### Middle Channel



Date: 3.MAR.2017 12:51:39



**Products** 



Stop 26.5 GHz Start 30.0 MHz 691 pts Marker Type | Ref | Trc | Function **Function Result** X-value Y-value 2.462 GHz 6.638 GHz 16.061 GHz 6.49 dBm -34.60 dBm M1 M2 -31.95 dBm M4 19.394 GHz -30.93 dBm

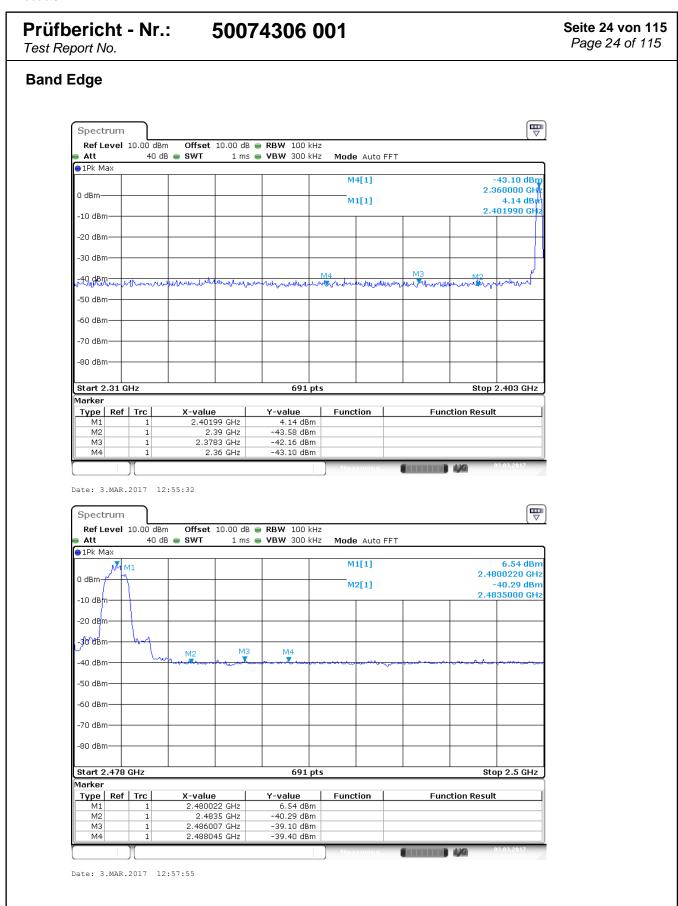
Date: 3.MAR.2017 12:52:42

-30 dBm <sub>-</sub>40 dBm

-60 dBm--70 dBm--80 dBm-



**Products** 



Products

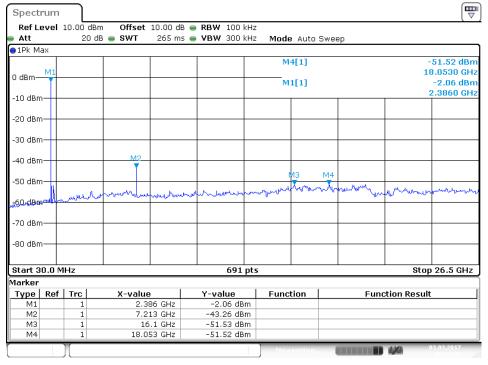
Prüfbericht - Nr.: 50074306 001

**Seite 25 von 115**Page 25 of 115

Test Report No.

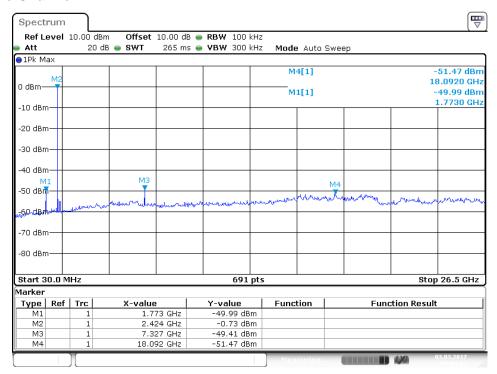
# Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of Low Energy mode

#### **Low Channel**



Date: 3.MAR.2017 09:05:37

#### **Middle Channel**



Date: 3.MAR.2017 09:04:22

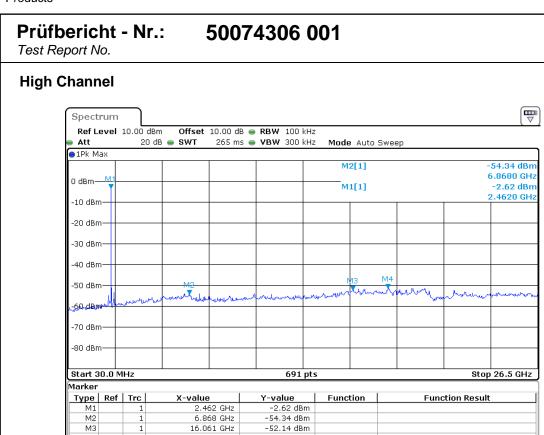


**Seite 26 von 115** 

Page 26 of 115

#### **Produkte**

**Products** 



-52.14 dBm

-51.46 dBm

18.053 GHz

Date: 3.MAR.2017 09:02:40

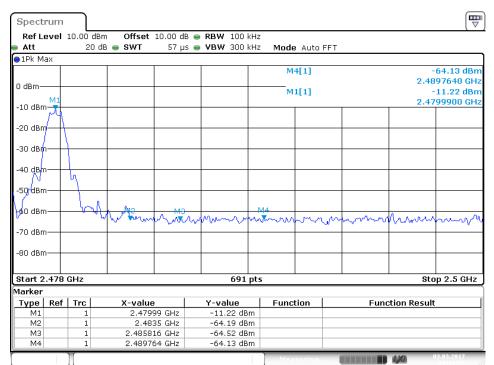
M1 M2

M4



#### **Produkte Products** 50074306 001 **Seite 27 von 115** Prüfbericht - Nr.: Page 27 of 115 Test Report No. **Band Edge** Spectrum Ref Level 10.00 dBm Offset 10.00 dB 📦 RBW 100 kHz 20 dB 🅌 SWT 1 ms 🍅 **VBW** 300 kHz Att Mode Auto FFT ●1Pk Max -58.27 dBn M4[1] 2.340810 GH 0 dBm M1[1] -8.16 dթր 2.402030 G -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm M4 ▼. -70 dBm -80 dBm-Start 2.31 GHz 691 pts Stop 2.404 GHz Marker

Date: 3.MAR.2017 08:56:46



Date: 3.MAR.2017 08:58:59



**Products** 

**Seite 28 von 115** 50074306 001 Prüfbericht - Nr.:

Test Report No.

Page 28 of 115

## 5.1.6 Power spectral density

**RESULT: Pass** 

Date of testing 2017-03-02

Test standard FCC part 15.247(e)

RSS-247 clause 5.2(2)

Basic standard ANSI C63.10: 2013

Clause 10 of KDB 558074 v03r01

8dBm/3kHz Limit Kind of test site Shield room

**Test setup** 

Test Channel Low/ Middle/ High

Test Channel :
Operation mode :
Ambient temperature :
Relative humidity :
Atmospheric pressure : A.2.a **25**℃ 50% 101kPa

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

Mode	Channel (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Conclusion
Bluetooth Low Energy mode	2402	-15.44	8	Pass
	2440	-14.86	8	Pass
	2480	-14.39	8	Pass



**Products** 

50074306 001 **Seite 29 von 115** Prüfbericht - Nr.:

Test Report No.

Page 29 of 115

## **5.1.7 Spurious Emission**

**RESULT: Pass** 

Date of testing 2017-02-18 to 2017-03-04

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

A.1.a, A.2.a

Operation mode :
Ambient temperature :
Relative humidity : **23**℃ Relative humidity : Atmospheric pressure : 48% 101kPa

For details refer to following test plot.



**Products** 

Prüfbericht - Nr.: 50074306 001

Test Report No.

**Seite 30 von 115** Page 30 of 115

## **Test Plot of Spurious Emission of Bluetooth**

#### ACCURATE TECHNOLOGY CO., LTD

#### FCC Class B 3M Radiated

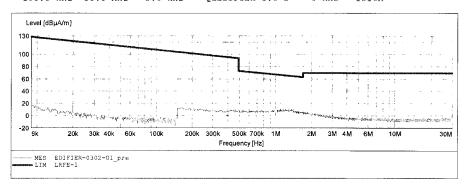
Multimedia Speaker M/N:R1010BT

Manufacturer: EDIFIER
Operating Condition: TX 2402MHz
Test Site: 2# Chamber
Operator: PINC Test Specification: AC 120V/60Hz

Comment: Start of Test:

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step \_SUB\_STD\_VTERM2 1.70 IF Transducer

Bandw. 200 Hz 1516M 9 kHz





**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

**Seite 31 von 115** Page 31 of 115

#### ACCURATE TECHNOLOGY CO., LTD

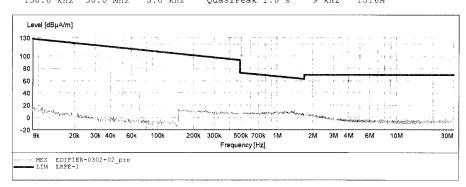
#### FCC Class B 3M Radiated

Multimedia Speaker M/N:R1010BT

Manufacturer: EDIFIER
Operating Condition: TX 2402MHz
Test Site: 2# Chamber
Operator: PING Operator: PING
Test Specification: AC 120V/60Hz

Comment: Start of Test: 2017-3-2 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step \_SUB\_STD\_VTERM2 1.70 Detector Meas. Time Step ΙF Transducer Bandw. 1516M 200 Hz 9 kHz 1516M





**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

**Seite 32 von 115** Page 32 of 115

#### ACCURATE TECHNOLOGY CO., LTD

#### FCC Class B 3M Radiated

Multimedia Speaker M/N:R1010BT

Manufacturer: EDIFIER
Operating Condition: TX 2402MHz
Test Site: 2# Chamber
Operator: PING Operator: PING Test Specification: AC 120V/60Hz

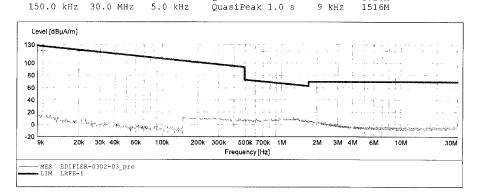
Comment: Start of Test: Z 2017-3-2 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step \_SUB\_STD\_VTERM2 1.70 
 Shart
 Stop
 Step
 Detector
 Meas.

 Frequency
 Frequency
 Width
 Time

 9.0 kHz
 150.0 kHz
 100.0 Hz
 QuasiPeak
 1.0 s

 150.0 kHz
 30.0 MHz
 5.0 kHz
 QuasiPeak
 1.0 s
 Detector Meas. Time TF Transducer Bandw. 200 Hz 1516M





**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

**Seite 33 von 115** Page 33 of 115

### ACCURATE TECHNOLOGY CO., LTD

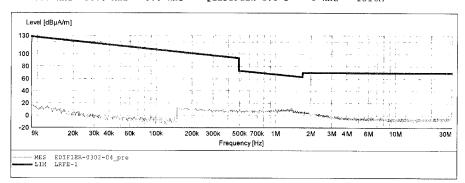
#### FCC Class B 3M Radiated

Multimedia Speaker M/N:R1010BT

Manufacturer: EDIFIER
Operating Condition: TX 2441MHz
Test Site: 2# Chamber
Operator: PING Operator: PING Test Specification: AC 120V/60Hz

Comment: X Start of Test: 2017-3-2 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step \_SUB\_STD\_VTERM2 1.70 Detector Meas. Time Step TF Transducer Start Stop Step Detector Meas.
Frequency Frequency Width Time
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s Bandw. 200 Hz 9 kHz 1516M





**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

**Seite 34 von 115** Page 34 of 115

#### ACCURATE TECHNOLOGY CO., LTD

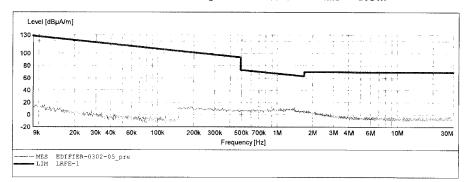
#### FCC Class B 3M Radiated

Multimedia Speaker M/N:R1010BT

Manufacturer: EDIFIER
Operating Condition: TX 2441MHz
Test Site: 2# Chamber
Operator: PINC Operator: PING Test Specification: AC 120V/60Hz

Comment: Start of Test: 2017-3-2 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step \_SUB\_STD\_VTERM2 1.70 Detector Meas. Step TF Transducer Bandw. 200 Hz 9 kHz 1516M 1516M





**Products** 

Prüfbericht - Nr.: Test Report No.

50074306 001

**Seite 35 von 115** Page 35 of 115

#### ACCURATE TECHNOLOGY CO., LTD

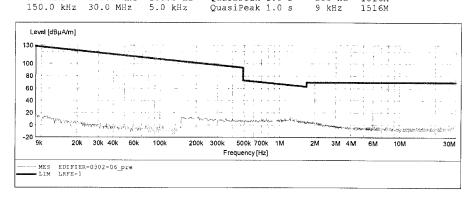
#### FCC Class B 3M Radiated

Multimedia Speaker M/N:R1010BT

Manufacturer: EDIFIER
Operating Condition: TX 2441MHz
Test Site: 2# Chamber
Operator: PING Operator: PING
Test Specification: AC 120V/60Hz

Comment: Z Start of Test: 2017-3-2 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step \_SUB\_STD\_VTERM2 1.70 Step Detector Meas. Time ΙF Transducer Start Stop Step Detector Meas.
Frequency Frequency Width Time
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s Bandw. 200 Hz 1516M





**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

**Seite 36 von 115** Page 36 of 115

#### ACCURATE TECHNOLOGY CO., LTD

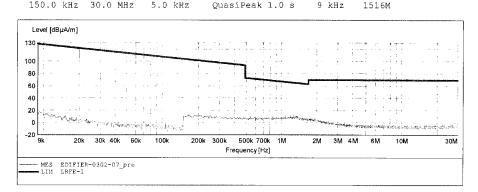
#### FCC Class B 3M Radiated

Multimedia Speaker M/N:R1010BT

manufacturer: EDIFIER
Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: PING Operator: PING Test Specification: AC 120V/60Hz

Comment: Start of Test: X 2017-3-2 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step \_SUB\_STD\_VTERM2 1.70 Start Stop Step
Frequency Frequency Width
9.0 kHz 150.0 kHz 100.0 Hz
150.0 kHz 30.0 MHz 5.0 kHz Step Detector Meas. Time TF Transducer Bandw. QuasiPeak 1.0 s QuasiPeak 1.0 s 200 Hz 9 kHz 1516M





**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

**Seite 37 von 115** Page 37 of 115

### ACCURATE TECHNOLOGY CO., LTD

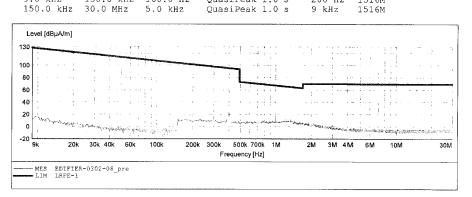
### FCC Class B 3M Radiated

Multimedia Speaker M/N:R1010BT

Manufacturer: Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: PING Operator: PING Test Specification: AC 120V/60Hz

Comment: Y
Start of Test: 2017-3-2 /

SCAN TABLE: "LFRE Fin"
Short Description: Start Stop Step Detector Meas.
Frequency Frequency Width
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s \_SUB\_STD\_VTERM2 1.70 Detector Meas. Time TF Transducer Bandw. 200 Hz 1516M 1516M





**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

**Seite 38 von 115** Page 38 of 115

### ACCURATE TECHNOLOGY CO., LTD

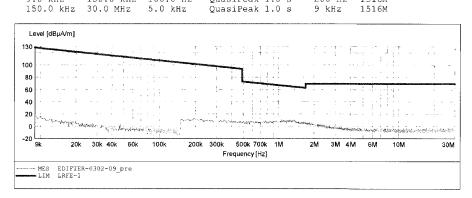
### FCC Class B 3M Radiated

Multimedia Speaker M/N:R1010BT

manufacturer: EDIFIER
Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: PING
Test State: PING

Test Specification: AC 120V/60Hz Comment: Z
Start of Test: 2017-3-2 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step \_SUB\_STD\_VTERM2 1.70 Start Stop Step
Frequency Frequency Width
9.0 kHz 150.0 kHz 100.0 Hz
150.0 kHz 30.0 MHz 5.0 kHz Detector Meas. Time TE Transducer Bandw. QuasiPeak 1.0 s 200 Hz 1516M 1516M





**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 39 von 115**Page 39 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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

Job No.: PING #2608

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

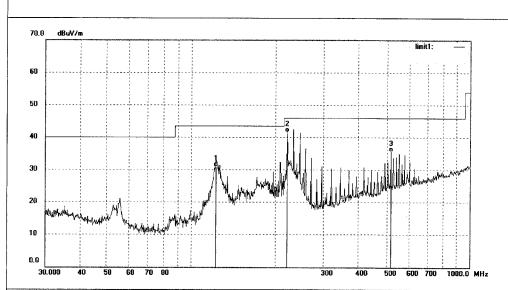
Mode: TX 2402MHz Model: R1010BT Manufacturer: EDIFIER Polarization: Horizontal
Power Source: AC 120V/60Hz

Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	122.8340	44.31	-13.37	30.94	43.50	-12.56	QP			
2	221.3920	53.05	-11.43	41.62	46.00	-4.38	QP			
3	517.2480	39.53	-3.91	35.62	46.00	-10.38	QP			



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 40 von 115**Page 40 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: PING #2607

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Model: TX 2402MHz
Model: R1010BT
Manufacturer: EDIFIER

52.7599

122.8340

480.5276

2

3

42.89

44.77

44.67

-12.79

-13.37

-4.88

30.10

31.40

39.79

Polarization: Vertical

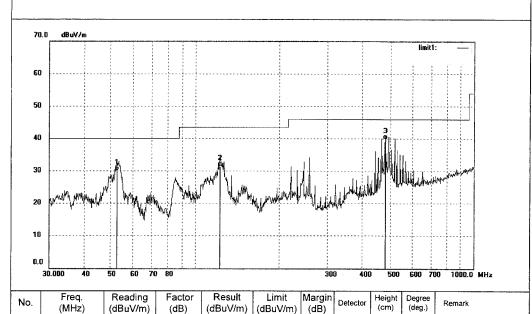
Power Source: AC 120V/60Hz Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m

Note: Bluetooth



40.00

43.50

46.00

-9.90

-12.10

-6.21

QP

QP

QP



**Products** 

Prüfbericht - Nr.: 50074306 001

Test Report No.

**Seite 41 von 115**Page 41 of 115



ACCURATE TECHNOLOGY CO., LTD.

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

Job No.: PING #2609

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %
EUT: Multimedia Speaker
Mode: TX 2441MHz

Model: R1010BT

Manufacturer: EDIFIER

Note: Bluetooth

Polarization: Horizontal

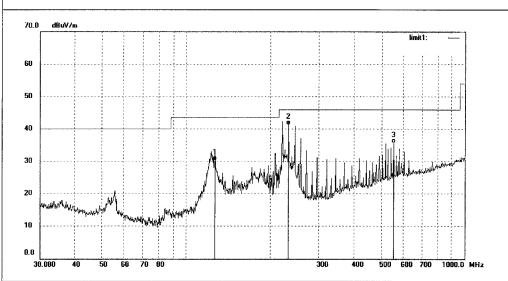
Power Source: AC 120V/60Hz

Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	126.7723	43.93	-13.68	30.25	43.50	-13.25	QP				
2	233.3487	52.20	-10.93	41.27	46.00	-4.73	QP			,	
3	552.8832	38.63	-3.00	35.63	46.00	-10.37	QP				



**Products** 

Prüfbericht - Nr.:

Test Report No.

50074306 001

**Seite 42 von 115** Page 42 of 115

ACCURATE TECHNOLOGY CO., LTD.

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

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

PING #2610

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

1

2

3

52.7599

122.8340

492.4685

42.78

45.71

44.49

-12.79

-13.37

-4.63

29.99

32.34

39.86

Multimedia Speaker

Mode: TX 2441MHz Model: R1010BT

Manufacturer: EDIFIER

Note: Bluetooth Polarization:

Power Source: AC 120V/60Hz

Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m

QP

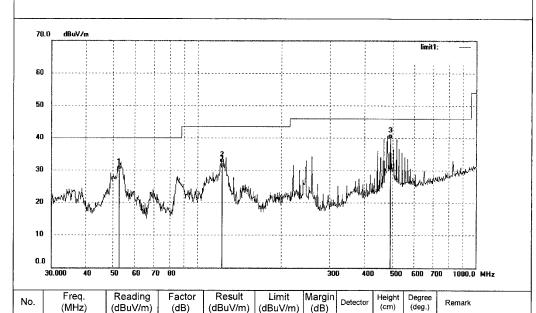
QP

QΡ

-10.01

-11.16

-6.14



40.00

43.50

46.00



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 43 von 115** Page 43 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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

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

PING #2612

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2480MHz Model: R1010BT

Manufacturer: EDIFIER

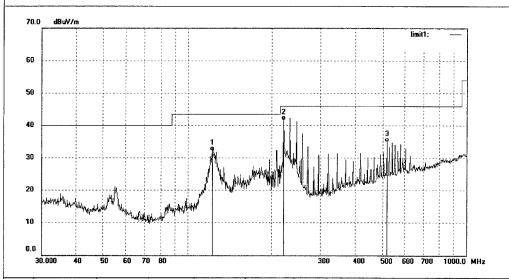
Power Source: AC 120V/60Hz

Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	122.8340	45.53	-13.37	32.16	43.50	-11.34	QP			
2	221.3921	52.93	-11.43	41.50	46.00	-4.50	QP			
3	517.2480	38.89	-3.91	34.98	46.00	-11.02	QP			



**Products** 

Prüfbericht - Nr.: 50074306 001

Test Report No.

**Seite 44 von 115**Page 44 of 115



ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: PING #2611

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2480MHz
Model: R1010BT
Manufacturer: EDIFIER

Polarization: Vertical

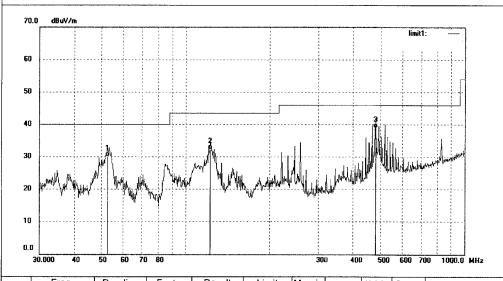
Power Source: AC 120V/60Hz

Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	52.5752	42.79	-12.77	30.02	40.00	-9.98	QP			
2	122.8340	45.60	-13.37	32.23	43.50	-11.27	QP			
3	480.5276	43.79	-4.88	38,91	46.00	-7.09	QP			



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 45 von 115**Page 45 of 115

Test Report No.



# ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: PING #2470

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2402MHz

Model: R1010BT

Manufacturer: EDIFIER

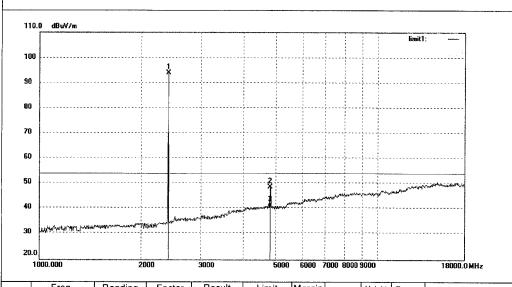
Polarization: Horizontal

Power Source: AC 120V/60Hz Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m



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	95.56	-1.61	93.95	1	/	peak			
2	4804.027	43.80	4.90	48.70	74.00	-25.30	peak			
3	4804.027	35.63	4.90	40.53	54.00	-13.47	AVG			



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 46 von 115**Page 46 of 115

Test Report No.

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

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

Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m



Test item: Radiation Test
Temp.( C)/Hum.(%) 23 C / 48 %
EUT: Multimedia Speaker
Mode: TX 2402MHz

Standard: FCC Class B 3M Radiated

PING #2471

Model: R1010BT Manufacturer: EDIFIER

Bluetooth

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	95.78	-1.61	94.17	1	/	peak			
2	4804.025	44.31	4.90	49.21	74.00	-24.79	peak			
3	4804.025	36.06	4.90	40.96	54.00	-13.04	AVG			



**Products** 

**Prüfbericht - Nr.:** 

50074306 001

**Seite 47 von 115**Page 47 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: PING #2473

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

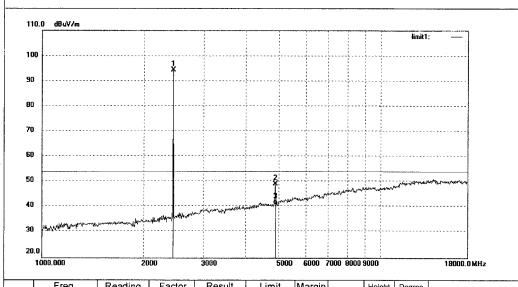
Mode: TX 2441MHz
Model: R1010BT
Manufacturer: EDIFIER

Polarization: Horizontal
Power Source: AC 120V/60Hz

Date: 17/02/18/ Time:

Engineer Signature: PING

Distance: 3m



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	95.86	-1.44	94.42	1	1	peak			
2	4882.029	43.46	5.61	49.07	74.00	<i>-</i> 24.93	peak			
3	4882.029	35.45	5.61	41.06	54.00	-12.94	AVG			



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 48 von 115**Page 48 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: PING #2472

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Model: TX 2441MHz
Model: R1010BT
Manufacturer: EDIFIER

Polarization: Vertical

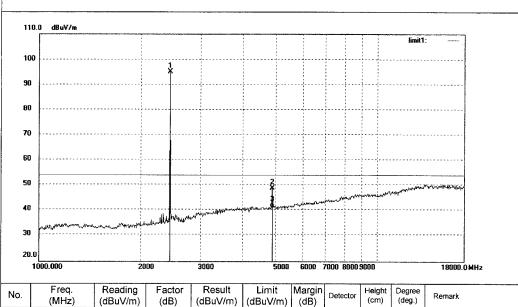
Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m





**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 49 von 115**Page 49 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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

Job No.: PING #2474

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2480MHz

Model: R1010BT Manufacturer: EDIFIER Polarization: Horizontal

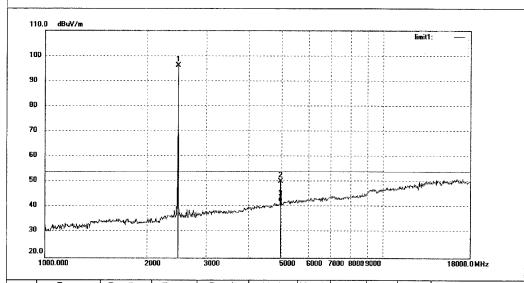
Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m



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	97.63	-1.40	96.23	1	1	peak				
2	4960.030	44.07	6.10	50.17	74.00	-23.83	peak				
3	4960.030	36.05	6.10	42.15	54.00	-11.85	AVG				



**Products** 

Prüfbericht - Nr.:

Test Report No.

50074306 001

**Seite 50 von 115**Page 50 of 115

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ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: PING #2475

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2480MHz

Model: R1010BT

Manufacturer: EDIFIER

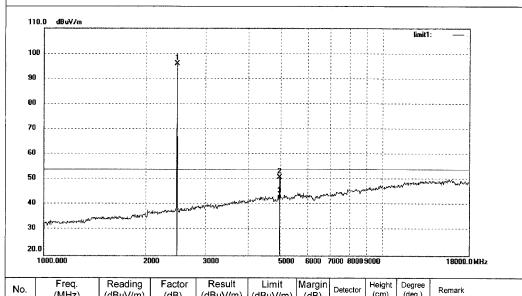
Date: 17/02/18/

Time:

Engineer Signature: PING

Power Source: AC 120V/60Hz

Distance: 3m





**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 51 von 115**Page 51 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: PING #2506

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Multimedia Speaker Mode: TX 2402MHz

Model: R1010BT
Manufacturer: EDIFIER

Polarization: Horizontal

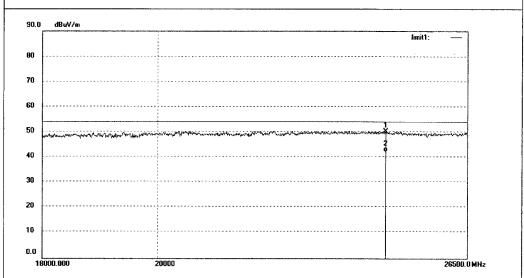
Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24593.878	10.39	39.79	50.18	74.00	-23.82	peak			
2	24593.878	2.31	39.79	42.10	54.00	-11.90	AVG			



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 52 von 115** Page 52 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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

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

PING #2507

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Multimedia Speaker

Mode:

TX 2402MHz

Model: R1010BT Manufacturer: EDIFIER

Bluetooth

24938.714

41.02

1.96

42.98

2

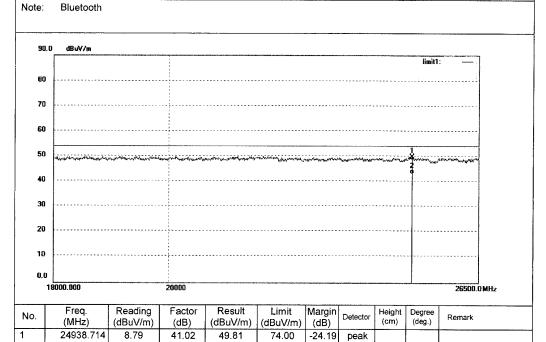
Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m



54.00

-11.02



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 53 von 115** Page 53 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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

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

PING #2509

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

Mode: TX 2441MHz

Model: R1010BT Manufacturer: EDIFIER

Bluetooth

Polarization: Horizontal

Power Source: AC 120V/60Hz Date: 17/02/18/

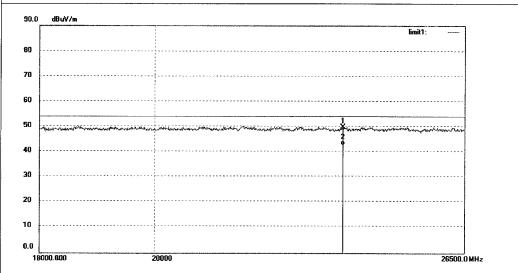
Time:

Engineer Signature: PING

Distance: 3m



Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)		Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	23734.138	9.54	40.22	49.76	74.00	-24.24	peak			***************************************	_
2	23734.138	2.42	40.22	42.64	54.00	-11.36	AVG				



**Products** 

Prüfbericht - Nr.:

Test Report No.

50074306 001

**Seite 54 von 115** Page 54 of 115



ACCURATE TECHNOLOGY CO., LTD.

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

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

PING #2508

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2441MHz

Model: R1010BT Manufacturer: EDIFIER Polarization: Vertical

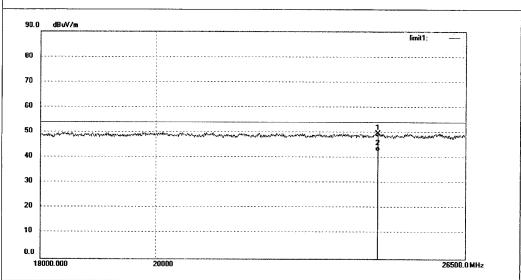
Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m





**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 55 von 115**Page 55 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: PING #2522

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2480MHz

Model: R1010BT Manufacturer: EDIFIER Polarization: Horizontal
Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m

Note: Bluetooth

1

2

22035.483

22035.483

10.83

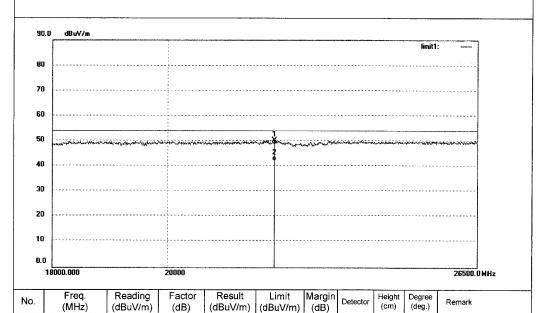
2.69

39.43

39.43

50.26

42.12



74.00

54.00

-23.74

-11.88

peak



Products

Prüfbericht - Nr.:

50074306 001

**Seite 56 von 115**Page 56 of 115

Test Report No.

ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: PING #2523

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Model: TX 2480MHz
Model: R1010BT
Manufacturer: EDIFIER

Polarization: Vertical

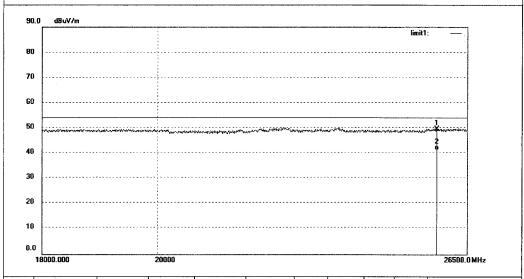
Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25792.161	8.67	41.01	49.68	74.00	-24.32	peak			
2	25792.161	0.26	41.01	41.27	54.00	-12.73	AVG			



**Products** 

**Prüfbericht - Nr.:** 

50074306 001

**Seite 57 von 115**Page 57 of 115

Test Report No.

# **Test Plot of Band Edge of Bluetooth**



# ACCURATE TECHNOLOGY CO., LTD.

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

Job No.: PING #2498

Standard: FCC (Band Edge)
Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2402MHz Model: R1010BT

Model: R1010BT

Manufacturer: EDIFIER

Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m



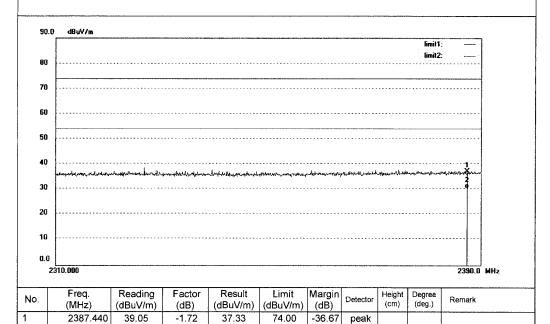
2

2387.440

32.25

-1.72

30.53



54.00

-23.47



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 58 von 115** Page 58 of 115

Test Report No.



# ACCURATE TECHNOLOGY CO., LTD.

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

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

PING #2499

Standard: FCC (Band Edge)

Test item: Radiation Test

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

EUT:

Multimedia Speaker

Mode:

1

2

2384,720

2384.720

40.06

32.16

-1.74

-1.74

38.32

30.42

TX 2402MHz

Model: R1010BT

Manufacturer: EDIFIER

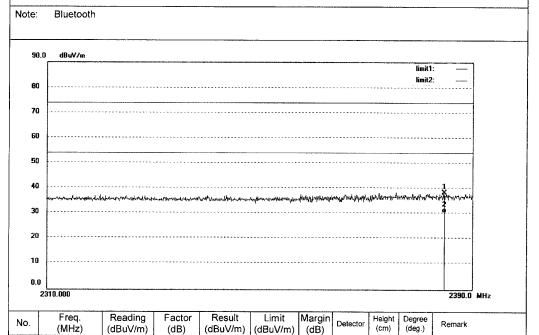
Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m



74.00

54.00

-35.68

-23.58

peak



**Products** 

Prüfbericht - Nr.:

Test Report No.

50074306 001

**Seite 59 von 115**Page 59 of 115



# ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: PING #2505

Standard: FCC (Band Edge)

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2480MHz

Model: R1010BT

Manufacturer: EDIFIER

2483.780

2483.780

2

39.74

32.54

-1.41

-1.41

38.33

31.13

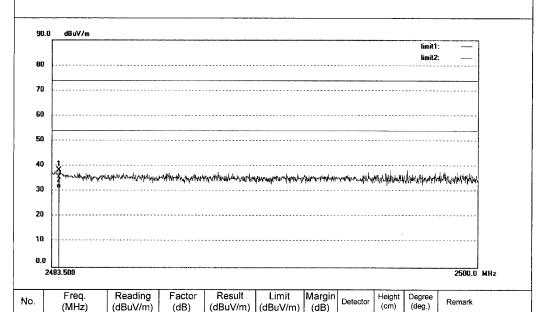
Date: 17/02/18/

Engineer Signature: PING

Power Source: AC 120V/60Hz

Distance: 3m

Note: Bluetooth



74.00

54.00

-35.67

-22.87

peak



**Products** 

Prüfbericht - Nr.:

Test Report No.

50074306 001

**Seite 60 von 115**Page 60 of 115



# ACCURATE TECHNOLOGY CO., LTD.

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

ob No.: PING #2504

Standard: FCC (Band Edge)

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2480MHz

Model: R1010BT
Manufacturer: EDIFIER

Polarization: Vertical

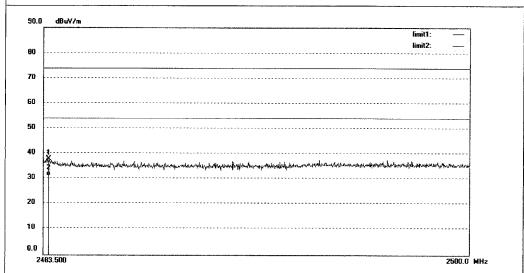
Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m







Prüfbericht - Nr.: 50074306 001

Test Report No.

**Seite 61 von 115**Page 61 of 115

# Test Plot of Spurious Emission of Bluetooth Low Energy mode

#### ACCURATE TECHNOLOGY CO., LTD

### FCC Class B 3m Radiated

EUT: Multimedia Speaker M/N:R1010BT

Manufacturer: EDIFIER
Operating Condition: TX 2402MHz
Test Site: 2# Chamber
Operator: PING
Test Specification: AC 120V/60Hz
Comment: X

Comment: X Start of Test: 2017-3-2 /

 SCAN TABLE: "LFRE Fin"

 Short Description:
 SUB\_STD\_VTERM2 1.70

 Start
 Stop

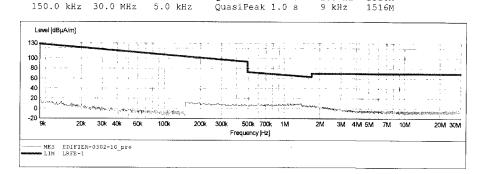
 Step
 Detector

 Meas
 IF
 Transducer

 Frequency
 Width
 Time
 Bandw

 9.0 kHz
 150.0 kHz
 100.0 Hz
 QuasiPeak
 1.0 s
 200 Hz
 1516M

 150.0 kHz
 30.0 MHz
 5.0 kHz
 QuasiPeak
 1.0 s
 9 kHz
 1516M





**Products** 

Prüfbericht - Nr.:

Test Report No.

50074306 001

**Seite 62 von 115** Page 62 of 115

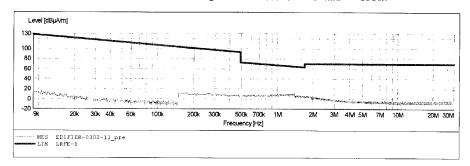
### ACCURATE TECHNOLOGY CO., LTD

### FCC Class B 3m Radiated

Multimedia Speaker M/N:R1010BT Manufacturer: Manufacturer: EDIFIER
Operating Condition: TX 2402MHz
Test Site: 2# Chamber Test Site: Operator: PING Test Specification: AC 120V/60Hz

Comment: Start of Test: 2017-3-2 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step \_SUB\_STD\_VTERM2 1.70 Step ΙF Detector Meas. Time Transducer Start Stop Step Frequency Width 9.0 kHz 150.0 kHz 100.0 Hz 150.0 kHz 30.0 MHz 5.0 kHz Bandw. QuasiPeak 1.0 s QuasiPeak 1.0 s 1516M 200 Hz 9 kHz 1516M





**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

Seite 63 von 115 Page 63 of 115

### ACCURATE TECHNOLOGY CO., LTD

#### FCC Class B 3m Radiated

Multimedia Speaker M/N:R1010BT

Manufacturer: EDIFIER
Operating Condition: TX 2402MHz
Test Site: 2# Chamber
Operator: PING Test Specification: AC 120V/60Hz

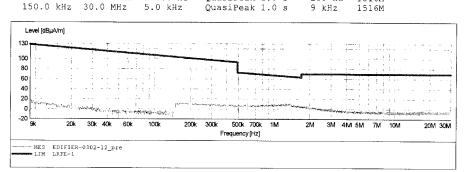
Comment: Z Start of Test: 2017-3-2 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step \_SUB\_STD\_VTERM2 1.70 Detector Meas. Time Step ĨΕ Transducer 
 Start
 Stop
 Step
 Detector
 Meas.

 Frequency
 Frequency
 Width
 Time

 9.0 kHz
 150.0 kHz
 100.0 Hz
 QuasiPeak
 1.0 s

 150.0 kHz
 30.0 MHz
 5.0 kHz
 QuasiPeak
 1.0 s
 Bandw. 200 Hz 1516M





**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

Seite 64 von 115 Page 64 of 115

### ACCURATE TECHNOLOGY CO., LTD

### FCC Class B 3m Radiated

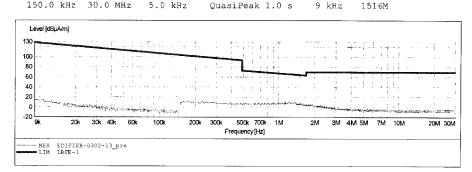
Multimedia Speaker M/N:R1010BT Manufacturer: EDIFIER

Manufacturer: EDITIEM
Operating Condition: TX 2440MHz
Test Site: 2# Chamber
Operator: PING Operator: PING
Test Specification: AC 120V/60Hz

Comment: X
Start of Test: 2017-3-2 /

SCAN TABLE: "LFRE Fin"

Short Description: \_\_\_SUB\_STD\_VTERM2 1.70
Start Stop Step Detector Meas.
Frequency Frequency Width Time
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s TF Transducer Bandw. 200 Hz 9 kHz





**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

Seite 65 von 115 Page 65 of 115

### ACCURATE TECHNOLOGY CO., LTD

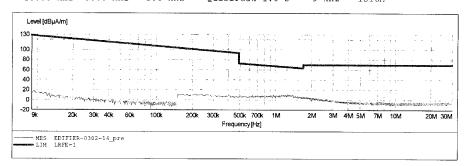
### FCC Class B 3m Radiated

Multimedia Speaker M/N:R1010BT

Manufacturer: EDIFIER
Operating Condition: TX 2440MHz
Test Site: 2# Chamber
Operator: PTNG Operator: PING Test Specification: AC 120V/60Hz

Comment: Start of Test: 2017-3-2 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Ste \_SUB\_STD\_VTERM2 1.70 Step Detector Meas. Time TF Transducer Bandw. 200 Hz 1516M 9 kHz 1516M





**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

Seite 66 von 115 Page 66 of 115

### ACCURATE TECHNOLOGY CO., LTD

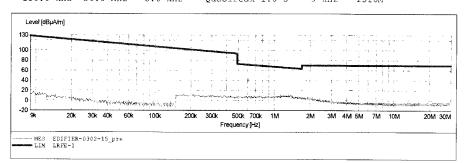
### FCC Class B 3m Radiated

Multimedia Speaker M/N:R1010BT

Manufacturer: EDIFIER
Operating Condition: TX 2440MHz
Test Site: 2# Chamber
Operator: PING Operator: PING Test Specification: AC 120V/60Hz

Comment: Z
Start of Test: 2017-3-2 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step \_SUB\_STD\_VTERM2 1.70 Start Stop Step Detector Meas.
Frequency Frequency Width Time
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s Detector Meas. Time Transducer Bandw. 200 Hz 9 kHz 1516M 1516M





**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

**Seite 67 von 115** Page 67 of 115

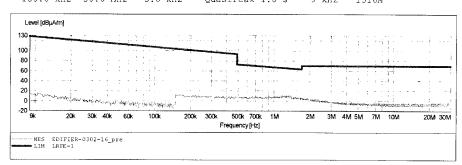
### ACCURATE TECHNOLOGY CO., LTD

### FCC Class B 3m Radiated

Multimedia Speaker M/N:R1010BT Manufacturer: EDIFIER
Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: PING

Operator: PING Test Specification: AC 120V/60Hz Comment: X
Start of Test: 2017-3-2 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step \_SUB\_STD\_VTERM2 1.70 Step ΙF Detector Meas. Time Transducer Start Stop Detector Meas.
Frequency Width Time
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s Bandw. 1516M 200 Hz 9 kHz 1516M





**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

Seite 68 von 115 Page 68 of 115

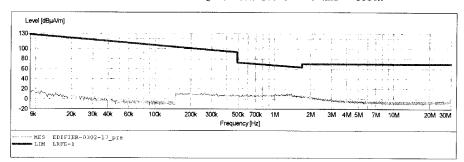
### ACCURATE TECHNOLOGY CO., LTD

### FCC Class B 3m Radiated

Multimedia Speaker M/N:R1010BT Manufacturer: EDIFIER
Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: PING Test Specification: AC 120V/60Hz

Comment: Y
Start of Test: 2017-3-2 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step \_SUB\_STD\_VTERM2 1.70 Step Detector Meas. Time ΙF Transducer Start Stop Step
Frequency Width
9.0 kHz 150.0 kHz 100.0 Hz
150.0 kHz 30.0 MHz 5.0 kHz Bandw. QuasiPeak 1.0 s QuasiPeak 1.0 s 1516M 200 Hz 9 kHz 1516M





**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

Seite 69 von 115 Page 69 of 115

### ACCURATE TECHNOLOGY CO., LTD

### FCC Class B 3m Radiated

Multimedia Speaker M/N:R1010BT

Manufacturer: EDIFIER Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: PING Operator: PING
Test Specification: AC 120V/60Hz

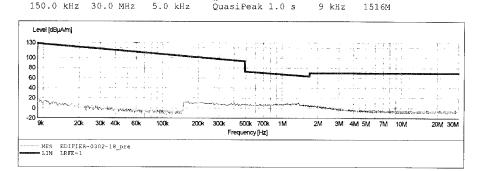
Comment: Z Start of Test: 2017-3-2 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Ste \_SUB\_STD\_VTERM2 1.70 
 Start
 Stop
 Step
 Detector
 Meas.

 Frequency
 Frequency
 Width
 Time

 9.0 kHz
 150.0 kHz
 100.0 Hz
 QuasiPeak
 1.0 s

 150.0 kHz
 30.0 MHz
 5.0 kHz
 QuasiPeak
 1.0 s
 Step Detector Meas. Time TF Transducer Bandw. 200 Hz 1516M





**Products** 

Test Report No.

Prüfbericht - Nr.: 500

50074306 001

Seite 70 von 115

Page 70 of 115



ACCURATE TECHNOLOGY CO., LTD.

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

Job No.: PING #2601

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Multimedia Speaker Mode: TX 2402MHz

Model: R1010BT

Manufacturer: EDIFIER

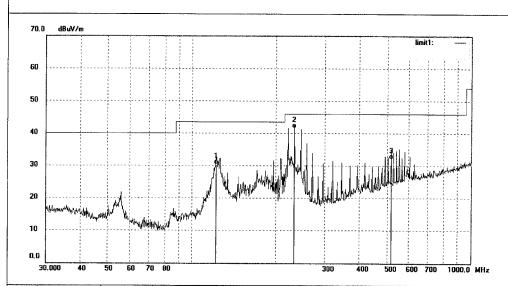
Polarization: Horizontal
Power Source: AC 120V/60Hz

Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	122.8340	43.68	-13.37	30.31	43.50	-13.19	QP				
2	233.3487	52.55	-10.93	41.62	46.00	-4.38	QP				
3	517.2480	36.06	-3.91	32.15	46.00	-13.85	QP				



**Products** 

Test Report No.

Prüfbericht - Nr.: 500

50074306 001

**Seite 71 von 115**Page 71 of 115



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Job No.: PING #2602

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Model: TX 2402MHz
Model: R1010BT
Manufacturer: EDIFIER

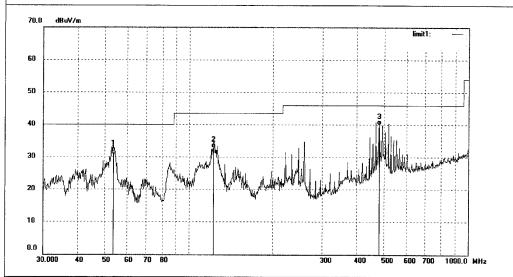
Polarization: Vertical

Power Source: AC 120V/60Hz Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	53.3179	44.34	-12.83	31.51	40.00	-8.49	QP				
2	122.8340	46.27	-13.37	32.90	43.50	-10.60	QP				
3	480.5276	44.93	-4.88	40.05	46.00	-5.95	QP				



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 72 von 115**Page 72 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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Job No.: PING #2604

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Model: TX 2440MHz
Model: R1010BT
Manufacturer: EDIFIER

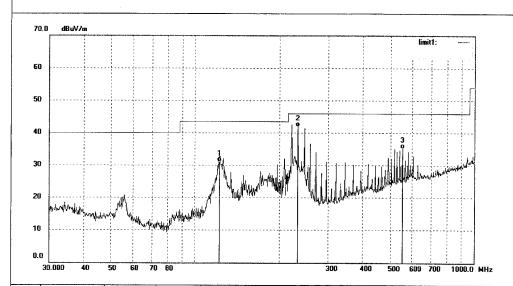
Polarization: Horizontal
Power Source: AC 120V/60Hz

Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	122.8340	44.39	-13.37	31.02	43.50	-12.48	QP			
2	233.3487	52. <del>9</del> 0	-10.93	41.97	46.00	-4.03	QP			
3	552.8832	38.29	-3.00	35.29	46.00	-10.71	QP			



**Products** 

Prüfbericht - Nr.:

Test Report No.

50074306 001

**Seite 73 von 115** Page 73 of 115



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

Job No.: PING #2603

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2440MHz Model: R1010BT Manufacturer: EDIFIER Polarization:

Power Source: AC 120V/60Hz

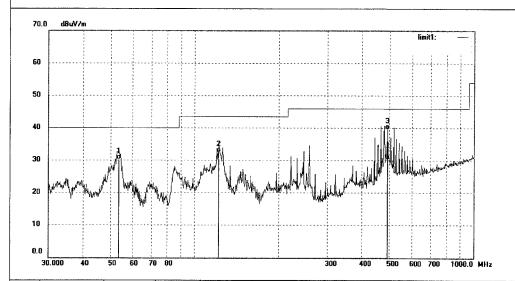
Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m

Bluetooth 4.0 Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	53.3179	42.99	-12.83	30.16	40.00	-9.84	QP				
2	122.8340	45.80	-13.37	32.43	43.50	-11.07	QP				
3	492,4685	44.32	-4.63	39.69	46.00	-6.31	QP			****	



**Products** 

Prüfbericht - Nr.: 50074306 001

Test Report No.

**Seite 74 von 115**Page 74 of 115

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Job No.: PING #2605

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Model: TX 2480MHz
Model: R1010BT
Manufacturer: EDIFIER

Polarization: Horizontal
Power Source: AC 120V/60Hz

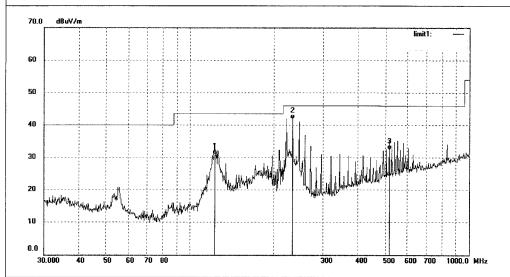
Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	123.2655	44.36	-13.43	30.93	43.50	-12.57	QP				
2	233.3487	52.76	-10.93	41.83	46.00	-4.17	QP				
3	517.2480	36.40	-3,91	32.49	46.00	-13.51	QP				



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 75 von 115** Page 75 of 115

Test Report No.



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

PING #2606

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2480MHz Model: R1010BT

Manufacturer: EDIFIER

Power Source: AC 120V/60Hz

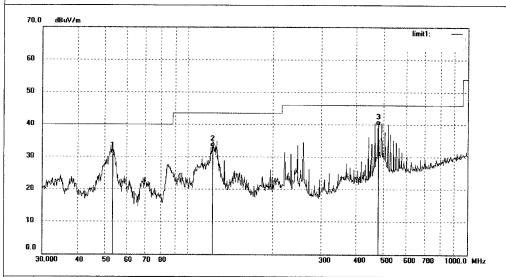
Date: 17/03/04/

Time:

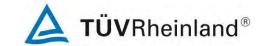
Engineer Signature: PING

Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	53.3179	43.65	-12.83	30.82	40.00	-9.18	QP				
2	122.8340	46.37	-13.37	33.00	43.50	-10.50	QP				
3	480.5276	44.63	-4.88	39.75	46.00	-6.25	QP				



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 76 von 115** Page 76 of 115

Test Report No.

ACCURATE TECHNOLOGY CO., LTD.

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

PING #2477

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2402MHz Model: R1010BT

Manufacturer: EDIFIER Note:

Bluetooth 4.0

2402.000

4804.026

4804.026

91.77

45.03

37.03

-1.61

4.90

4.90

90.16

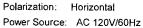
49.93

41.93

1

2

3



Date: 17/02/18/

Time:

peak

peak

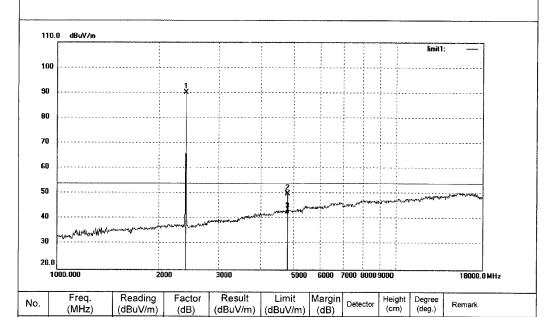
AVG

-24.07

-12.07

Engineer Signature: PING

Distance: 3m



74.00

54.00



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 77 von 115**Page 77 of 115

Test Report No.



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Job No.: PING #2476

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2402MHz
Model: R1010BT
Manufacturer: EDIFIER

Polarization: Vertical

Power Source: AC 120V/60Hz

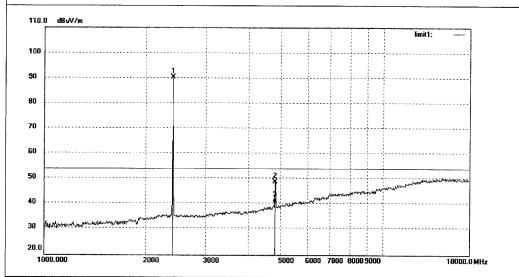
Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m

Note: Bluetooth 4.0



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	92.01	-1.61	90.40	1	1	peak				
2	4804.024	44.04	4.90	48.94	74.00	-25.06	peak				
3	4804.024	35.69	4.90	40.59	54.00	-13,41	AVG			· · · · · · · · · · · · · · · · · · ·	



**Products** 

Prüfbericht - Nr.:

Test Report No.

50074306 001

**Seite 78 von 115** Page 78 of 115



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

PING #2478

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2440MHz

Model: R1010BT Manufacturer: EDIFIER Polarization: Horizontal

Power Source: AC 120V/60Hz

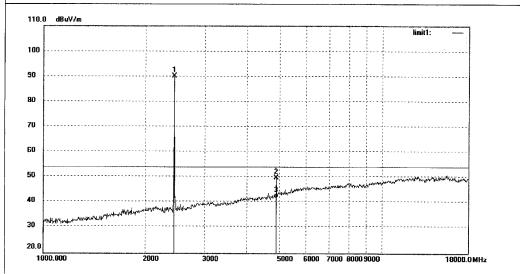
Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m

Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	2440.000	91.51	-1.46	90.05	1	/	peak				
2	4880.029	44.19	5.60	49.79	74.00	-24.21	peak				
3	4880.029	36.04	5.60	41.64	54.00	-12.36	AVG				



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 79 von 115** Page 79 of 115

Test Report No.

1

2

3

2440.000

4880.025

4880.025

91.35

43.84

35.16

-1.46

5.60

5.60

89.89

49.44

40.76



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

PING #2479

Standard: FCC Class B 3M Radiated

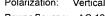
Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2440MHz Model:

R1010BT Manufacturer: EDIFIER

Note: Bluetooth 4.0



Power Source: AC 120V/60Hz

Date: 17/02/18/

Engineer Signature: PING

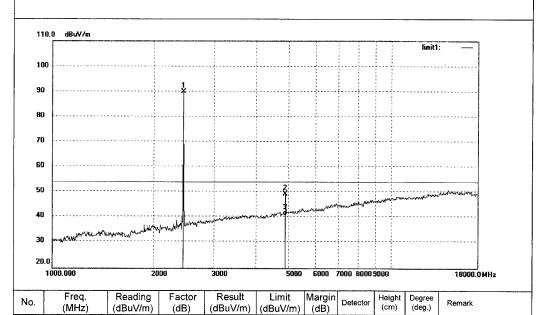
Distance: 3m

peak

AVG

-24.56

-13.24



74.00

54.00



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 80 von 115**Page 80 of 115

Test Report No.



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

Job No.: PING #2481

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2480MHz
Model: R1010BT
Manufacturer: EDIFIER

Polarization: Horizontal

Power Source: AC 120V/60Hz

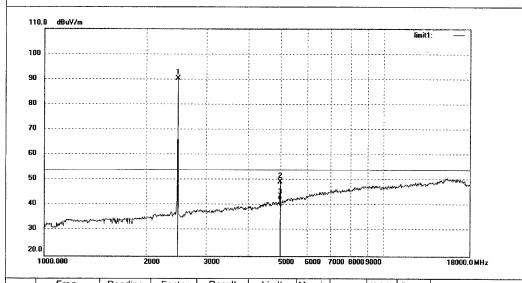
Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m

Note: Bluetooth 4.0



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	91.62	-1.40	90.22	1	1	peak			
2	4960.027	43.35	6.10	49.45	74.00	-24.55	peak			
3	4960.027	36.05	6.10	42.15	54.00	-11.85	AVG			



**Products** 

Prüfbericht - Nr.:

Test Report No.

50074306 001

**Seite 81 von 115** Page 81 of 115

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

PING #2480

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2480MHz Model: R1010BT Manufacturer: EDIFIER

Note:

No.

(MHz)

(dBuV/m)

(dB)

Bluetooth 4.0

Vertical

Power Source: AC 120V/60Hz

Date: 17/02/18/

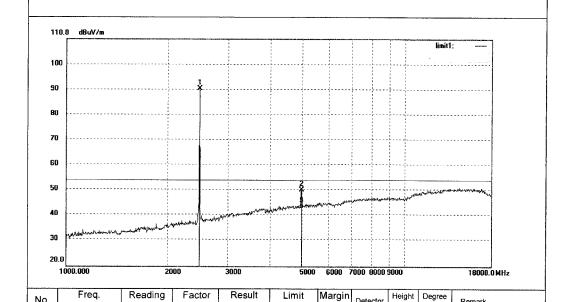
Time:

Engineer Signature: PING

Distance: 3m

Detector

(dB)



(dBuV/m)

(dBuV/m)

Remark



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 82 von 115** Page 82 of 115

Test Report No.



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

Fax:+86-0755-26503396 Polarization: Horizontal

Power Source: AC 120V/60Hz Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m

PING #2510

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

Mode: TX 2402MHz Model: R1010BT Manufacturer: EDIF!ER

Note: Bluetooth 4.0

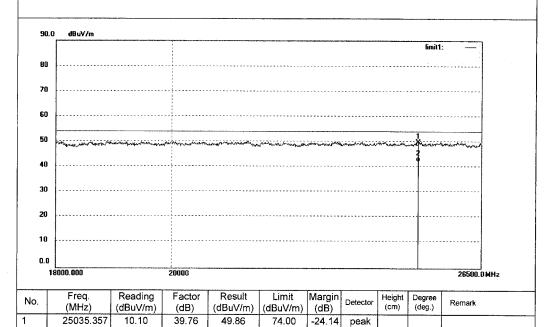
2

25035.357

2.45

39.76

42.21



54.00

-11.79

AVG



**Products** 

Prüfbericht - Nr.:

Test Report No.

1

2

21133.988

21133.988

10.62

2.65

39.37

39.37

49.99

42.02

50074306 001

**Seite 83 von 115**Page 83 of 115

<u>(a)</u>

ACCURATE TECHNOLOGY CO., LTD.

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Job No.: PING #2511

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2402MHz
Model: R1010BT
Manufacturer: EDIFIER

Polarization: Vertical

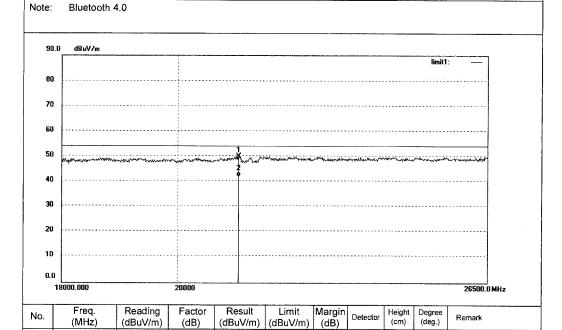
Power Source: AC 120V/60Hz

Date: 17/02/18/ Time:

riiie.

Engineer Signature: PING

Distance: 3m



74.00

54.00

-24.01

-11.98

peak

AVG



**Products** 

Prüfbericht - Nr.:

Test Report No.

50074306 001

**Seite 84 von 115** Page 84 of 115



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,

Site: 2# Chamber

Tel:+86-0755-26503290

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

Fax:+86-0755-26503396 Polarization: Horizontal

Power Source: AC 120V/60Hz Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m

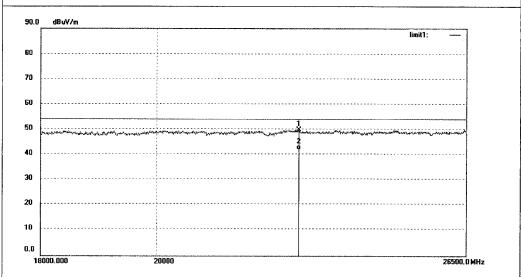
Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2440MHz Model: R1010BT Manufacturer: EDIFIER

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	22780.764	10.06	39.69	49.75	74.00	-24.25	peak				
2	22780.764	2.36	39.69	42.05	54.00	-11.95	AVG				



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 85 von 115** Page 85 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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

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

PING #2519

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: Model: R1010BT

TX 2440MHz

Manufacturer: EDIFIER

Polarization: Vertical

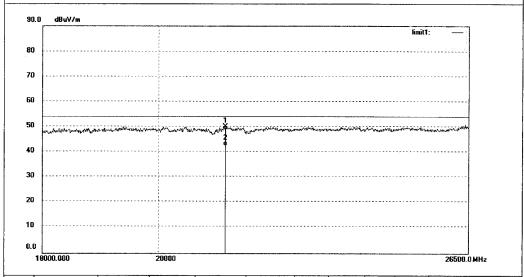
Power Source: AC 120V/60Hz

Date: 17/02/18/ Time:

Engineer Signature: PING

Distance: 3m

Note: Bluetooth 4.0





**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 86 von 115**Page 86 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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

Job No.: PING #2521

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: TX 2480MHz
Model: R1010BT
Manufacturer: EDIFIER

Polarization: Horizontal
Power Source: AC 120V/60Hz

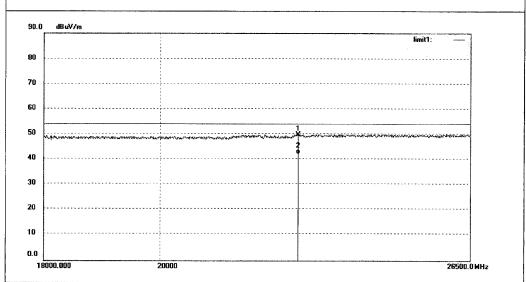
Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m

Note: Bluetooth 4.0





**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 87 von 115** 

Page 87 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Multimedia Speaker

Mode:

TX 2480MHz

R1010BT Model:

Manufacturer: EDIFIER

Note:

2

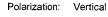
19372.579

3.94

38.00

41.94

Bluetooth 4.0



Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

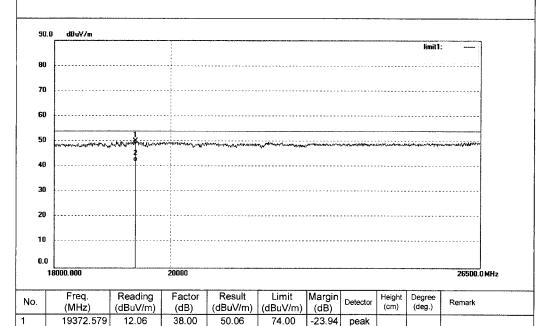
Engineer Signature: PING

Distance: 3m

peak

AVG

-12.06



54.00



**Products** 

Prüfbericht - Nr.:

50074306 001

Test Report No.

**Seite 88 von 115**Page 88 of 115

### Test Plot of Band Edge of Bluetooth Low Energy mode



### ACCURATE TECHNOLOGY CO., LTD.

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

Job No.: PING #2489

Standard: FCC (Band Edge)
Test item: Radiation Test

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

EUT: Multimedia Speaker Mode: TX 2402MHz

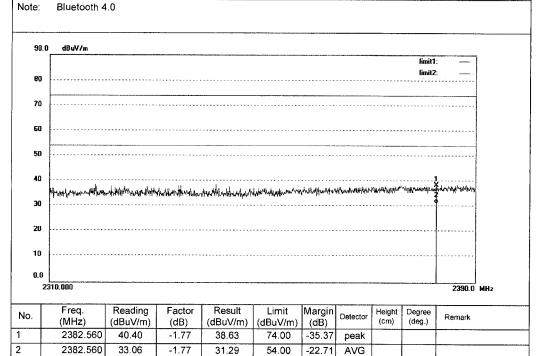
Model: R1010BT Manufacturer: EDIFIER Polarization: Horizontal
Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m





**Products** 

Prüfbericht - Nr.:

Test Report No.

50074306 001

**Seite 89 von 115** 

Page 89 of 115



ACCURATE TECHNOLOGY CO., LTD.

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

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

Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m

Standard: FCC (Band Edge)

Test item: Radiation Test

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

Multimedia Speaker

EUT:

Note:

2

2386.640

32.69

-1.72

30.97

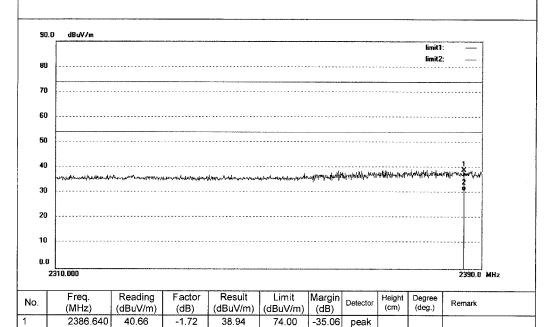
Mode:

TX 2402MHz

Model: R1010BT

Manufacturer: EDIFIER

Bluetooth 4.0



54.00

-23.03

AVG



**Products** 

Prüfbericht - Nr.:

Test Report No.

50074306 001

**Seite 90 von 115** Page 90 of 115



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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

PING #2490

Standard: FCC (Band Edge)

Test item: Radiation Test

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

0.0 2483.500

Multimedia Speaker

Mode: TX 2480MHz

Model: R1010BT Manufacturer: EDIFIER Polarization: Horizontal

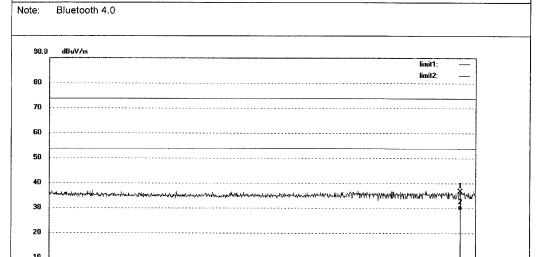
Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2499.406	38.47	-1.40	37.07	74.00	-36.93	peak	(011)	(-39.)	
2	2499.406	31.13	-1.40	29.73	54.00	-24.27	AVG			

2500.0 MHz



**Products** 

Prüfbericht - Nr.:

Test Report No.

50074306 001

**Seite 91 von 115** Page 91 of 115



### ACCURATE TECHNOLOGY CO., LTD.

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

PING #2491

Standard: FCC (Band Edge) Test item: Radiation Test

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

EUT:

1

2

2498.994

2498.994

40.27

32.46

-1.40

-1.40

38.87

31.06

Multimedia Speaker

Mode:

TX 2480MHz

Model: R1010BT

Manufacturer: EDIFIER

Vertical

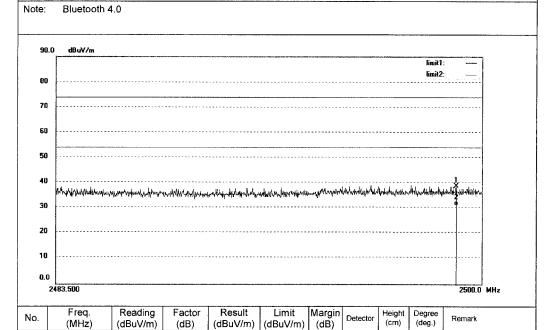
Power Source: AC 120V/60Hz

Date: 17/02/18/

Time:

Engineer Signature: PING

Distance: 3m



74.00

54.00

-35.13

-22.94

peak

AVG

# **TÜV**Rheinland®

### **Produkte**

**Products** 

Seite 92 von 115 50074306 001 Prüfbericht - Nr.:

Test Report No.

Page 92 of 115

## **5.1.8 Frequency Separation**

**RESULT: Pass** 

Date of testing 2017-03-03

Test standard FCC part 15.247(a)(1)

RSS-247 clause 5.1(2)

Basic standard ANSI C63.10: 2013

Limit ≥ 25kHz or two-thirds of 20dB bandwidth,

whichever is greater

Shield room Kind of test site

**Test setup** 

Low/ Middle/ High

Test Channel : Operation Mode : Ambient temperature : Relative humidity : Atmosph A.1.a **25**℃ 50% Atmospheric pressure : 101kPa

### **Table 14: Test result of Frequency Separation**

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1.0029	≥ 25kHz or two- thirds of 20dB	Pass
Adjacency Channel	2403	1.0029	bandwidth	1 033
Mid Channel	2441	1.0029	≥ 25kHz or two- thirds of 20dB	Pass
Adjacency Channel	2442	1.0029	bandwidth	Pass
High Channel	2479	1 0020	≥ 25kHz or two- thirds of 20dB	Doos
Adjacency Channel	2480	1.0029	bandwidth	Pass



**Products** 

**Seite 93 von 115** 50074306 001 Prüfbericht - Nr.:

Test Report No.

Page 93 of 115

## 5.1.9 Number of hopping frequency

**RESULT: Pass** 

2017-02-03 Date of testing

Test standard FCC part 15.247(a)(1)(iii)

RSS-247 clause 5.1(4)

: ANSI C63.10: 2013 Basic standard

Limits ≥ 15 non-overlapping channels

Kind of test site Shield room

**Test setup** 

Low/ Middle/ High

Experation Mode : Ambient temperature : Relative humidity : Atmospheric pres A.1.a **25**℃ 50% 101kPa

### **Table 15: Test result of Number of hopping frequency**

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



**Products** 

**Seite 94 von 115** 50074306 001 Prüfbericht - Nr.:

Test Report No.

Page 94 of 115

## **5.1.10 Time of Occupancy**

**RESULT: Pass** 

Date of testing 2017-03-03

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 : Ambient temperature : A.1.a **25**℃ Relative humidity 50% Atmospheric pressure : 101kPa

### **Table 16: 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]
		2402	0.442	322	142.324	400
	DH1	2441	0.450	321	144.450	400
		2480	0.450	322	144.900	400
		2402	1.725	165	284.625	400
BDR	DH3	2441	1.725	164	282.900	400
		2480	1.754	164	287.656	400
		2402	3.022	111	335.442	400
	DH5	2441	2.978	112	333.536	400
		2480	3.022	112	338.464	400
		2402	0.485	322	156.170	400
	DH1	2441	0.485	321	155.685	400
		2480	0.485	322	156.170	400
		2402	1.717	165	283.305	400
EDR	DH3	2441	1.732	165	285.780	400
		2480	1.717	164	281.588	400
		2402	3.022	111	335.442	400
	DH5	2441	3.000	111	333.000	400
		2480	3.022	112	338.464	400



**Products** 

**Seite 95 von 115** 50074306 001 Prüfbericht - Nr.:

Test Report No.

Page 95 of 115

### 5.1.11 Conducted emissions

**RESULT: Pass** 

2017-02-22 Date of testing

Test standard FCC Part 15.107 (a)

FCC Part 15.207 RSS-Gen Clause 8.8

ICES-003 Issue 6 January 2016

Basic standard ANSI C63.4: 2014 Frequency range 0.15 - 30MHzFCC Part 15.207 Limits

Table 3 of RSS-Gen

Kind of test site Shield room

**Test setup** 

Input Voltage AC 120V, 60Hz

Input Voltage : Operation Mode : A, B, C

Earthing Not Connected

Eartning
Ambient temperature **25**℃ Relative humidity 52% Atmospheric pressure : 101kPa

For details refer to following test plot.



**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

Seite 96 von 115 Page 96 of 115

#### ACCURATE TECHNOLOGY CO., LTD

#### CONDUCTED EMISSION STANDARD FCC PART 15 B

Multimedia Speaker M/N:R1010BT

Manufacturer:

Operating Condition: Bluetooth playing Test Site: 1#Shielding Room

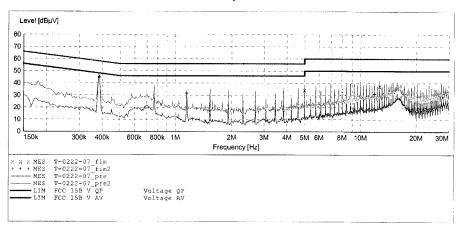
PING

Test Specification: L 120V/60Hz
Comment: Mains Port
Start of Test: 2/22/2017 / Start of Test:

SCAN TABLE: "V 9K-30MHz fin"
Short Description: \_\_SUB\_STD\_VTERM2 1.70
Start Stop Step Detector Meas.

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

Average



### MEASUREMENT RESULT: "T-0222-07 fin"

2/22/2017 Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.385000	45.80	10.7	58	12.4	QP	L1	GND
4.990000	34.30	11.2	56	21.7	QP	L1	GND
12.670000	37.70	11.3	60	22.3	QP	L1	GND

#### MEASUREMENT RESULT: "T-0222-07\_fin2"

2/22/2017 Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.385000	45.00	10.7	48	3.2	AV	L1	GND
1.150000	31.60	10.9	46	14.4	AV	L1	GND
11.905000	31.00	11.3	50	19.0	AV	L1	GND



**Products** 

#### 50074306 001 Prüfbericht - Nr.:

Test Report No.

**Seite 97 von 115** Page 97 of 115

#### ACCURATE TECHNOLOGY CO., LTD

#### CONDUCTED EMISSION STANDARD FCC PART 15 B

Multimedia Speaker M/N:R1010BT

Manufacturer:

Operating Condition: Bluetooth playing Test Site: 1#Shielding Room Operator: PING

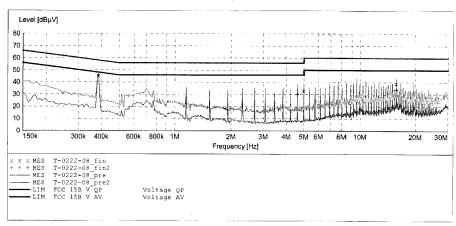
PING

Test Specification: N 120V/60Hz Comment: Mains Port Comment: Mains Port Start of Test: 2/22/2017 /

SCAN TABLE: "V 9K-30MHz fin"
Short Description: \_SU.
Start Stop Step Step Detector 1.70

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

Average



#### MEASUREMENT RESULT: "T-0222-08 fin"

2/22/2017 Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.385000	45.50	10.7	58	12.7	QP	N	GND
4.990000	33.00	11.2	56	23.0	QP	N	GND
15.745000	39.30	11.4	60	20.7	QP	N	GND

#### MEASUREMENT RESULT: "T-0222-08 fin2"

2/22/2017 Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PΕ
0.385000 4.610000	45.20 30.10	10.7	48 46			N	GND
15.745000	33.70	11.1	4 6 5 0	15.9 16.3	AV AV	N N	GND GND



**Products** 

50074306 001 Prüfbericht - Nr.:

Test Report No.

**Seite 98 von 115** Page 98 of 115

#### ACCURATE TECHNOLOGY CO., LTD

#### CONDUCTED EMISSION STANDARD FCC PART 15 B

Multimedia Speaker M/N:R1010BT EUT:

Manufacturer: EDIFIER

Operating Condition: LINE IN 1 1#Shielding Room Test Site:

Operator: PING

Test Specification: L 120V/60Hz Mains Port 2/22/2017 / Comment: Start of Test:

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

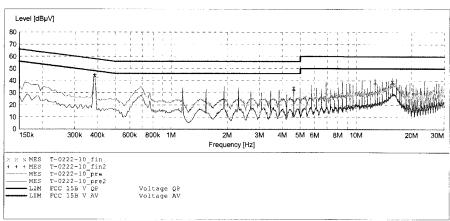
 Short Description:
 SUB\_STD\_VTERM2 1.70

 Start
 Stop
 Detector Meas.

 Frequency
 Frequency Width
 Time

 9.0 kHz
 150.0 kHz
 100.0 Hz
 QuasiPeak 1.0 s
 TE Transducer Bandw. 200 Hz NSLK8126 2008 Average QuasiPeak 1.0 s 150.0 kHz 30.0 MHz 5.0 kHz 9 kHz NSLK8126 2008

Average



#### MEASUREMENT RESULT: "T-0222-10 fin"

2/22/2017 Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.385000	44.50	10.7	58	13.7	QP	L1	GND
4.610000	34.10	11.1	56	21.9	QP	L1	GND
15 745000	30 30	11 /	60	20.7	ΛD	т 1	CND

#### MEASUREMENT RESULT: "T-0222-10 fin2"

2/22/2017 Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.385000	44.80	10.7	48	3.4	AV	L1	GND
4.610000	32.00	11.1	46	14.0	AV	L1	GND
12.670000	37.60	11.3	5.0	12.4	AV	T.1	GND



**Products** 

Prüfbericht - Nr.: 50074306 001

Test Report No.

**Seite 99 von 115** Page 99 of 115

#### ACCURATE TECHNOLOGY CO., LTD

#### CONDUCTED EMISSION STANDARD FCC PART 15 B

Multimedia Speaker M/N:R1010BT

Manufacturer:

Operating Condition: LINE IN 1
Test Site: 1#Shielding Room
Operator: PINC

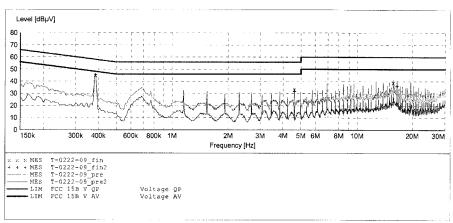
PING Operator:

Test Specification: N 120V/60Hz
Comment: Mains Port
Start of Test: 2/22/2017 /

\_\_SUB\_STD\_VTERM2 1.70

SCAN TABLE: "V 9K-30MHz fin"
Short Description: \_SUI
Start Stop Step
Frequency Frequency Width
9.0 kHz 150.0 kHz 100.0 Hz IF Detector Meas. Time Transducer Bandw. QuasiPeak 1.0 s 200 Hz NSLK8126 2008 Average QuasiPeak 1.0 s 150.0 kHz 30.0 MHz 5.0 kHz 9 kHz NSLK8126 2008

Average



#### MEASUREMENT RESULT: "T-0222-09 fin"

2/22/2017 Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PΕ
0.385000	45.20	10.7	58	13.0	QP	N	GND
4.610000	33.30	11.1	56	22.7	QP	N	GND
15.745000	39.00	11.4	60	21.0	QP	N	GND

#### MEASUREMENT RESULT: "T-0222-09\_fin2"

2/22/2017 Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.385000	45.20	10.7	48	3.0	AV	N	GND
4.610000	31.60	11.1	46	14.4	AV	N	GND
16.510000	36.00	11.4	50	14.0	AV	N	GND



**Products** 

#### 50074306 001 Prüfbericht - Nr.:

Test Report No.

Seite 100 von 115 Page 100 of 115

#### ACCURATE TECHNOLOGY CO., LTD

### CONDUCTED EMISSION STANDARD FCC PART 15 B

Multimedia Speaker M/N:R1010BT

EDIFIER Manufacturer: Operating Condition: LINE IN 2

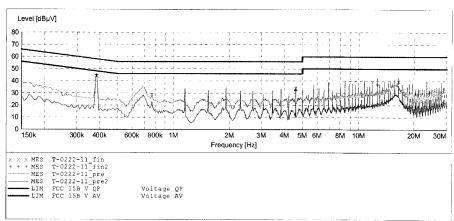
Test Site: 1#Shielding Room

Operator: PING

Test Specification: L 120V/60Hz
Comment: Mains Port
Start of Test: 2/22/2017 /

SCAN TABLE: "V 9K-30MHz fin"
Short Description:
Start Stop Step Detector Meas.
Frequency Frequency Width Time
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s Detector Meas. TF Transducer Bandw. 200 Hz NSLK8126 2008 Average 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Ãverage



#### MEASUREMENT RESULT: "T-0222-11 fin"

2/22/2017 Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.385000	44.50	10.7	58	13.7	QP	L1	GND
4.610000	34.30	11.1	56	21.7	QP	L1	GND
16.510000	39.90	11.4	60	20.1	QP	L1	GND

#### MEASUREMENT RESULT: "T-0222-11 fin2"

2/22/2017 Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.385000	44.80	10.7	48	3.4	AV	L1	GND
4.610000	32.00	11.1	46	14.0	AV	L1	GND
12.670000	37.00	11.3	50	13.0	AV	L1	GND



**Products** 

#### 50074306 001 Prüfbericht - Nr.:

Test Report No.

Seite 101 von 115 Page 101 of 115

#### ACCURATE TECHNOLOGY CO., LTD

#### CONDUCTED EMISSION STANDARD FCC PART 15 B

Multimedia Speaker M/N:R1010BT

Manufacturer: EDIFIER Operating Condition: LINE IN 2

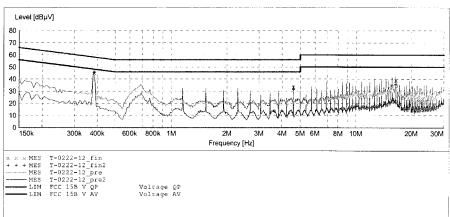
Test Site: 1#Shielding Room

Operator: PING

Test Specification: N 120V/60Hz Comment: Mains Port Start of Test: 2/22/2017 /

SCAN TABLE: "V 9K-30MHz fin"
Short Description:
Start Stop Step Detector Meas.
Frequency Frequency Width Time
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s Detector Meas. TF Transducer Bandw. QuasiPeak 1.0 s 200 Hz NSLK8126 2008 Average 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Average



#### MEASUREMENT RESULT: "T-0222-12 fin"

2/22/2017 Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.385000 4.610000 16.510000	45.30 33.70 39.00	10.7 11.1 11.4	58 56 60	12.9 22.3 21.0	QP QP QP	N N	GND GND GND

#### MEASUREMENT RESULT: "T-0222-12 fin2"

2/22/2017 Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.385000	45.20	10.7	48	3.0	AV	N	GND
4.610000	31.50	11.1	46	14.5	AV	N	GND
16.510000	35.60	11.4	50	14.4	AV	N	GND



**Products** 

Seite 102 von 115 Prüfbericht - Nr.: 50074306 001

Test Report No.

Page 102 of 115

### 5.1.12 Radiated Emission

**RESULT: Pass** 

Date of testing 2017-03-04

Test standard FCC Part 15.109 (a)

ICES-003 Issue 6 January 2016

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, C

Not connected Earthing

Ambient temperature : 23°C
Relative humidity : 48%
Atmospheric pressure : 101kPa

For details refer to following test plot.



**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 103 von 115**Page 103 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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

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

Fax:+86-0755-26503290

Job No.: PING #2598

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mode: Multimedia Speaker LINE IN 1

Model: R1010BT

Manufacturer: EDIFIER

Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m

Note:

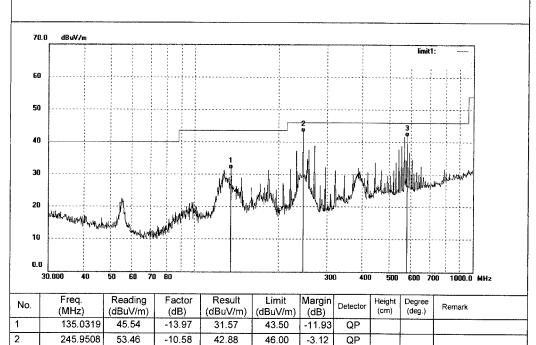
3

578.6698

44.23

-2.56

41.67



46.00

-4.33

QP



**Products** 

Test Report No.

Prüfbericht - Nr.: 5

50074306 001

**Seite 104 von 115**Page 104 of 115



ACCURATE TECHNOLOGY CO., LTD.

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

Job No.: PING #2597

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: LINE IN 1
Model: R1010BT
Manufacturer: EDIFIER

Polarization: Vertical

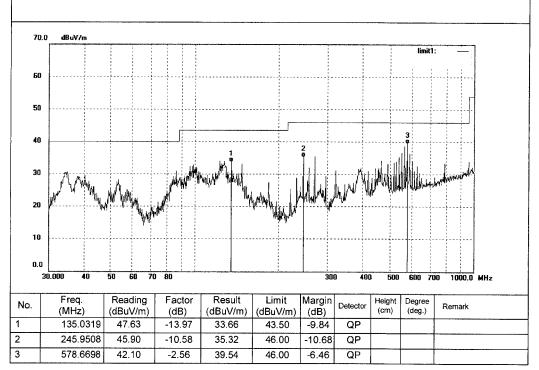
Power Source: AC 120V/60Hz

Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m





**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 105 von 115**Page 105 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: PING #2590

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: LINE IN 1

Model: R1010BT

Manufacturer: EDIFIER

Polarization: Horizontal
Power Source: AC 120V/60Hz

Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m

Note:

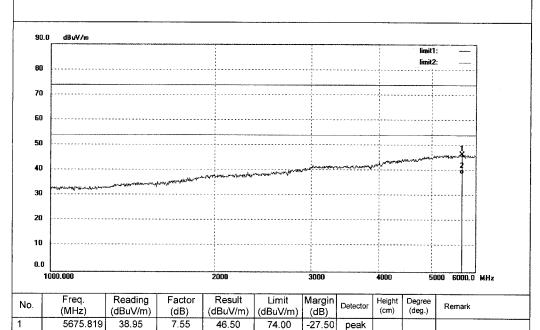
2

5675.819

31.25

7.55

38.80



54.00

-15.20



**Products** 

Prüfbericht - Nr.:

50074306 001

Seite 106 von 115 Page 106 of 115

Test Report No.

ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: PING #2589

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: LINE IN 1 Model: R1010BT Manufacturer: EDIFIER Polarization: Vertical

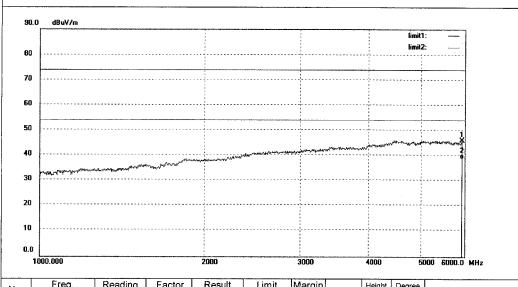
Power Source: AC 120V/60Hz

Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m



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	37.50	8.54	46.04	74.00	-27.96	peak				
2	5935.842	30.16	8.54	38.70	54.00	-15.30	AVG				



**Products** 

Test Report No.

Prüfbericht - Nr.: 500

50074306 001

**Seite 107 von 115**Page 107 of 115



ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: PING #2599

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: LINE IN 2
Model: R1010BT
Manufacturer: EDIFIER

Polarization: Horizontal

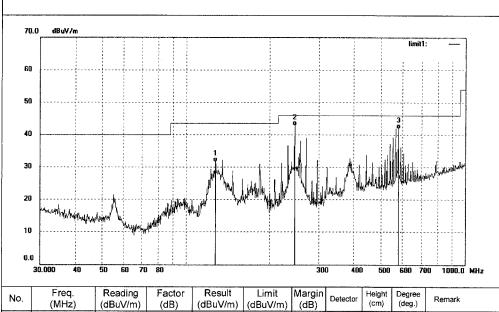
Power Source: AC 120V/60Hz

Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m



No.	⊦req. (MHz)	(dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	127.6645	45.23	-13.70	31.53	43.50	-11.97	QP				
2	245.9508	53.34	-10.58	42.76	46.00	-3.24	QP				
3	578.6698	44.44	-2.56	41.88	46.00	-4.12	QP				



**Products** 

Prüfbericht - Nr.:

Test Report No.

50074306 001

**Seite 108 von 115**Page 108 of 115

ACCURATE TECHNOLOGY CO., LTD.

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

Job No.: PING #2600

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: LINE IN 2 Model: R1010BT Manufacturer: EDIFIER Polarization: Vertical

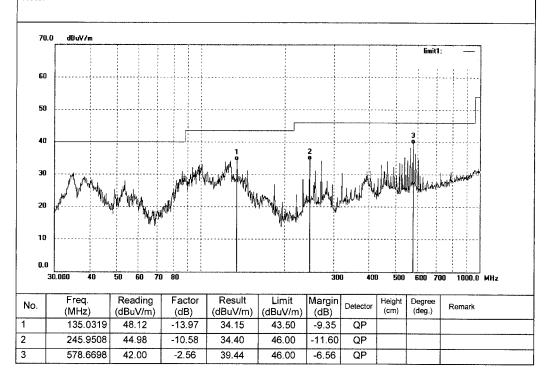
Power Source: AC 120V/60Hz

Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m





**Products** 

Prüfbericht - Nr.:

50074306 001

**Seite 109 von 115**Page 109 of 115

Test Report No.



ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: PING #2591

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

Mode: LINE IN 2 Model: R1010BT Manufacturer: EDIFIER Polarization: Horizontal

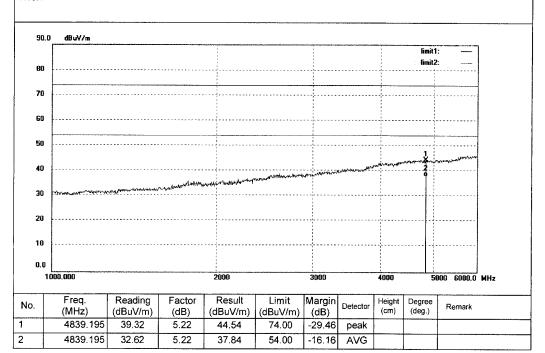
Power Source: AC 120V/60Hz

Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m





**Products** 

Prüfbericht - Nr.:

50074306 001

Seite 110 von 115 Page 110 of 115

Test Report No.



### ACCURATE TECHNOLOGY CO., LTD.

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

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

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 % EUT: Multimedia Speaker

LINE IN 2 Mode: R1010BT Model:

Manufacturer: EDIFIER

Polarization: Vertical

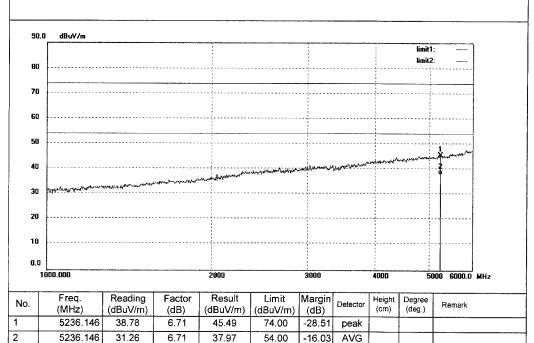
Power Source: AC 120V/60Hz

Date: 17/03/04/

Time:

Engineer Signature: PING

Distance: 3m



Products



 Prüfbericht - Nr.:
 50074306 001
 Seite 111 von 115

 Test Report No.
 Page 111 of 115

## 6. Safety Human exposure

## **6.1 Radio Frequency Exposure Compliance**

## **6.1.1 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 7.816mW (8.93dBm) only, which less than 309mW. 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 7.816mW<96mW, and the distance from EUT to human is ≥50mm, hence the EUT is exclueded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v06.

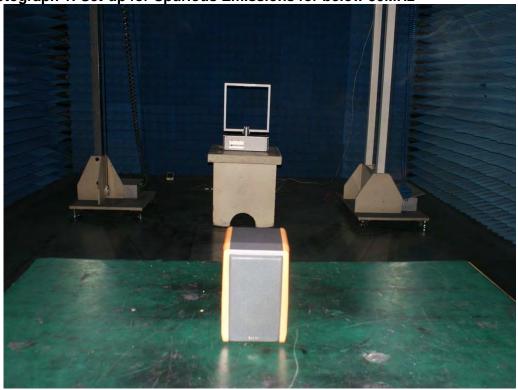


 Prüfbericht - Nr.:
 50074306 001
 Seite 112 von 115

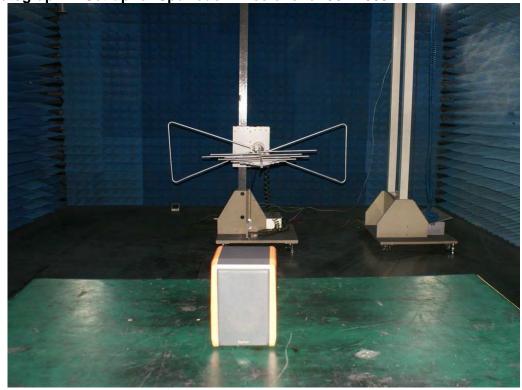
 Test Report No.
 Page 112 of 115

## 7. Photographs of the Test Set-Up

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







Products



Prüfbericht - Nr.: 50074306 001

Test Report No.

**Seite 113 von 115**Page 113 of 115

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









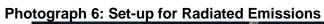
Prüfbericht - Nr.: 50074306 001

Test Report No.

**Seite 114 von 115**Page 114 of 115

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









**Produkte Products** Seite 115 von 115 Prüfbericht - Nr.: 50074306 001 Page 115 of 115 Test Report No. 8. List of Tables Table 1: List of Test and Measurement Equipment .......6 Table 3: Technical Specification of Bluetooth (BDR & EDR mode) .......8 Table 4: RF channel and frequency of Bluetooth (BDR & EDR mode)......8 Table 5: Technical Specification of Bluetooth (Low Energy mode)......9 Table 6: RF channel and frequency of Bluetooth (Low Energy mode) ......9 Table 7: Test result of Peak Output Power of Buletooth (BDR mode)......15 Table 8: Test result of Peak Output Power of Bluetooth (EDR mode)......15 Table 9: Test result of Peak Output Power of Bluetooth (Low Energy mode) ......15 Table 14: Test result of Frequency Separation ......92 Table 15: Test result of Number of hopping frequency .......93 Table 16: Test result of Time of Occupancy......94 9. List of Photographs Photograph 1: Set-up for Spurious Emissions for below 30MHz ......112 Photograph 2: Set-up for Spurious Emissions for 30 - 1000MHz ......112 Photograph 4: Set-up for Spurious Emissions for 18 - 26.5GHz......113 Photograph 5: Set-up for Conducted Emissions ......114 Photograph 6: Set-up for Radiated Emissions ......114