

Prüfbericht-Nr.: <i>Test Report No.:</i>	50096503 001	Auftrags-Nr.: <i>Order No.:</i>	164103442	Seite 1 von 70 <i>Page 1 of 70</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	22.06.2017	
Auftraggeber: <i>Client:</i>	Edifier International Limited, Room 2207-9, Tower Two, Lippo Centre 89 Queensway, Hong Kong			
Prüfgegenstand: <i>Test item:</i>	Portable Speaker			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	M80, MP80 (Edifier)			
Auftrags-Inhalt: <i>Order content:</i>	FCC/IC Certification			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 15: Subpart B Section 15.109 RSS-247 Issue 2 February 2017 ICES-003 Issue 6 January 2016	CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart B Section 15.107 FCC KDB Publication 447498 D01 v06 RSS-Gen Issue 4 November 2014 RSS-102 Issue 5 March 2015		
Wareneingangsdatum: <i>Date of receipt:</i>	22.06.2017			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000506154-001, A000506154-002, A000506154-003			
Prüfzeitraum: <i>Testing period:</i>	23.06.2017 - 02.07.2017			
Ort der Prüfung: <i>Place of testing:</i>	Accurate Technology Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:	kontrolliert von / reviewed by:			
03-07-2017 Andy Yan/Project Manager Datum Name / Stellung Date Name / Position	Unterschrift Signature	03-07-2017 Owen Tian/Technical Certifier Datum Name / Stellung Date Name / Position	Unterschrift Signature	
Sonstiges / Other:	FCC ID: Z9G-EDF61 IC: 10004A-EDF61 HVIN: M80, MP80			
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
* Legende: P(pass) = entspricht o.g. Prüfgrundlage(n) Legend: 1 = very good P(pass) = passed a.m. test specification(s)	2 = gut	3 = befriedigend F(fail) = entspricht nicht o.g. Prüfgrundlage(n) 3 = satisfactory F(fail) = failed a.m. test specification(s)	4 = ausreichend N/A = nicht anwendbar 4 = sufficient N/A = not applicable	5 = mangelhaft N/T = nicht getestet 5 = poor N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

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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 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHz BANDWIDTH

RESULT: Pass

5.1.5 SPURIOUS EMISSION

RESULT: Pass

5.1.6 FREQUENCY SEPARATION

RESULT: Pass

5.1.7 NUMBER OF HOPPING FREQUENCY

RESULT: Pass

5.1.8 TIME OF OCCUPANCY

RESULT: Pass

5.1.9 CONDUCTED EMISSIONS

RESULT: Pass

5.1.10 RADIATED EMISSION

RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS

RESULT: Pass

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1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.

(FCC Registration No.: 752051)
(Test site Industry Canada No.: 5077A-2)

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

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

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
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	2018-01-09
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2018-01-09
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2018-01-09
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2018-01-09
RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	2018-01-06
Pre-Amplifier	Rohde&Schwarz	CBLU11835 40-01	3791	2018-01-06
50 Coaxial Switch	Anritsu Corp	MP59B	620050647 4	2018-01-06
RF Coaxial Cable	SUHNER	N-3m	No.8	2018-01-06
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2018-01-06
RF Coaxial Cable	SUHNER	N-6m	No.10	2018-01-06
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2018-01-06
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2018-01-06
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

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

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

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Radio Spectrum	< ± 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.

3. General Product Information

3.1 Product Function and Intended Use

The EUTs are portable speaker system with Bluetooth function used for audio entertainment in house or similar environment. It operates at 2.4GHz ISM frequency band.

Two models are identical except the model name.
For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

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

Technical Specification	Value
Kind of Equipment	Portable Speaker
Type Designation	M80, MP80
FCC ID	Z9G-EDF61
IC	10004A-EDF61
HVIN	M80, MP80
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	4.1, BDR & EDR
Antenna Gain	2.56dBi

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

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

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10	2412.00	31	2433.00	52	2454.00	73	2475.00
11	2413.00	32	2434.00	53	2455.00	74	2476.00
12	2414.00	33	2435.00	54	2456.00	75	2477.00
13	2415.00	34	2436.00	55	2457.00	76	2478.00
14	2416.00	35	2437.00	56	2458.00	77	2479.00
15	2417.00	36	2438.00	57	2459.00	78	2480.00
16	2418.00	37	2439.00	58	2460.00		
17	2419.00	38	2440.00	59	2461.00		
18	2420.00	39	2441.00	60	2462.00		
19	2421.00	40	2442.00	61	2463.00		
20	2422.00	41	2443.00	62	2464.00		

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Bluetooth mode (BDR & EDR mode)
 - a. Transmitting
 - i. Low Channel
 - ii. Middle Channel
 - iii. High Channel
 - b. Receiving
- B. Charging
- C. Standby
- D. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

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

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

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

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

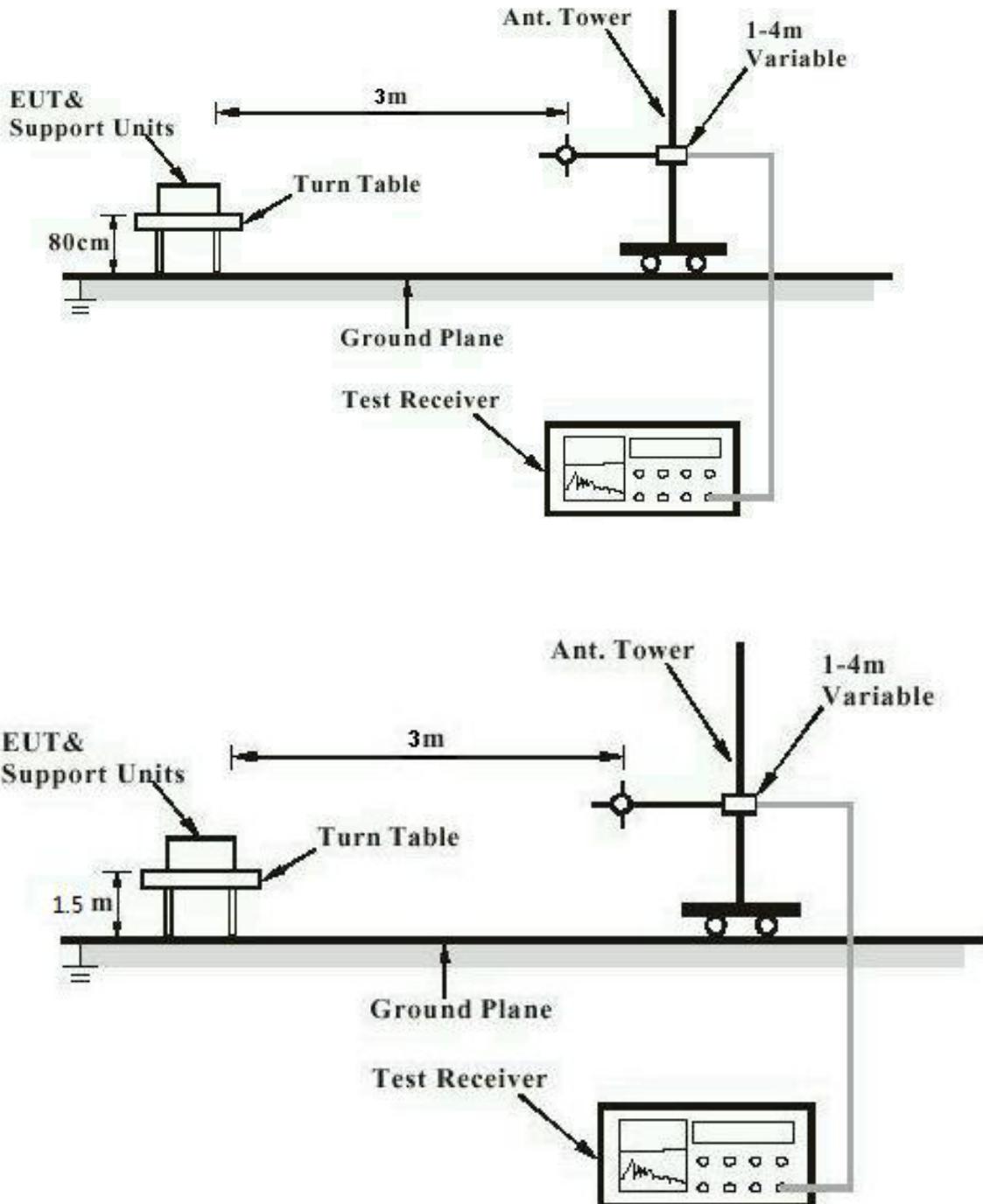
Description	Manufacturer	Part No.	S/N
Galaxy S6	SAMSUNG	SM-G9209	R28G91298WH
Notebook PC	Lenovo	ThinkPad X240	---
Printer	HP	HP Laserjet 1015	CNFG030424

4.4 Countermeasures to achieve EMC Compliance

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

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test



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Diagram of Measurement Equipment Configuration for Conduction Measurement

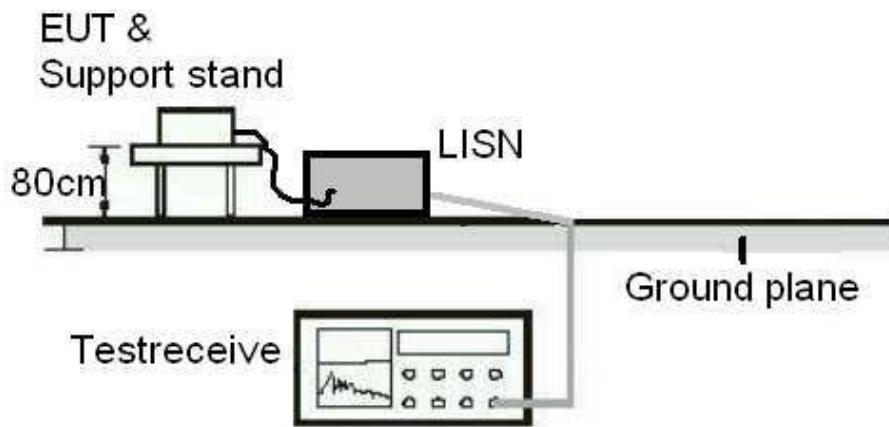
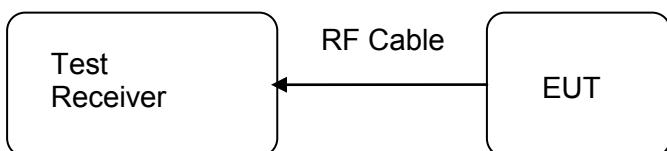


Diagram of Measurement Equipment Configuration for Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: Pass

Test standard : Part 15.203
RSS-Gen Clause 8.3
Limit The use of antennas with directional gains that do not exceed 6dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 2.56dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

5.1.2 Maximum Peak Conducted Output Power

RESULT:
Pass

Test date	:	2017-06-23
Test standard	:	FCC Part 15.247(b)(1) RSS-247 clause 5.4(b)
Basic standard	:	ANSI C63.10: 2013 Clause 9.1 of KDB 558074 v03r05
Limit	:	125mW
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	21°C
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

Table 5: Test result of Peak Output Power of Bluetooth (BDR mode)

Channel	Channel Frequency (MHz)	Peak Output Power (dBm)	Limit (dBm)	e.i.r.p. (dBm)	Limit(dBm)
Low Channel	2402	1.64	21	4.20	36
Middle Channel	2441	3.59	21	6.15	36
High Channel	2480	3.38	21	5.94	36

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

Channel	Channel Frequency (MHz)	Peak Output Power (dBm)	Limit (dBm)	e.i.r.p. (dBm)	Limit(dBm)
Low Channel	2402	-1.02	21	1.54	36
Middle Channel	2441	1.25	21	3.81	36
High Channel	2480	1.06	21	3.62	36

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5.1.3 20dB Bandwidth and 99% Bandwidth

RESULT:
Pass

Date of testing	:	2017-06-23
Test standard	:	FCC Part 15.247(a)(1) RSS-247 clause 5.1(b) RSS-Gen clause 6.6
Basic standard	:	ANSI C63.10: 2013 Clause 8 of KDB 558074 v03r05
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	21°C
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

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

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	0.923	0.938
Mid Channel	2441	0.929	0.929
High Channel	2480	0.934	0.998

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

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	1.211	1.198
Mid Channel	2441	1.207	1.203
High Channel	2480	1.207	1.203

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5.1.4 Conducted Spurious Emissions measured in 100kHz Bandwidth

RESULT:

Pass

Date of testing	:	2017-06-23
Test standard	:	FCC part 15.247(d) RSS-247 clause 5.5
Basic standard	:	ANSI C63.10: 2013
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power);
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1.a
Ambient temperature	:	21°C
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

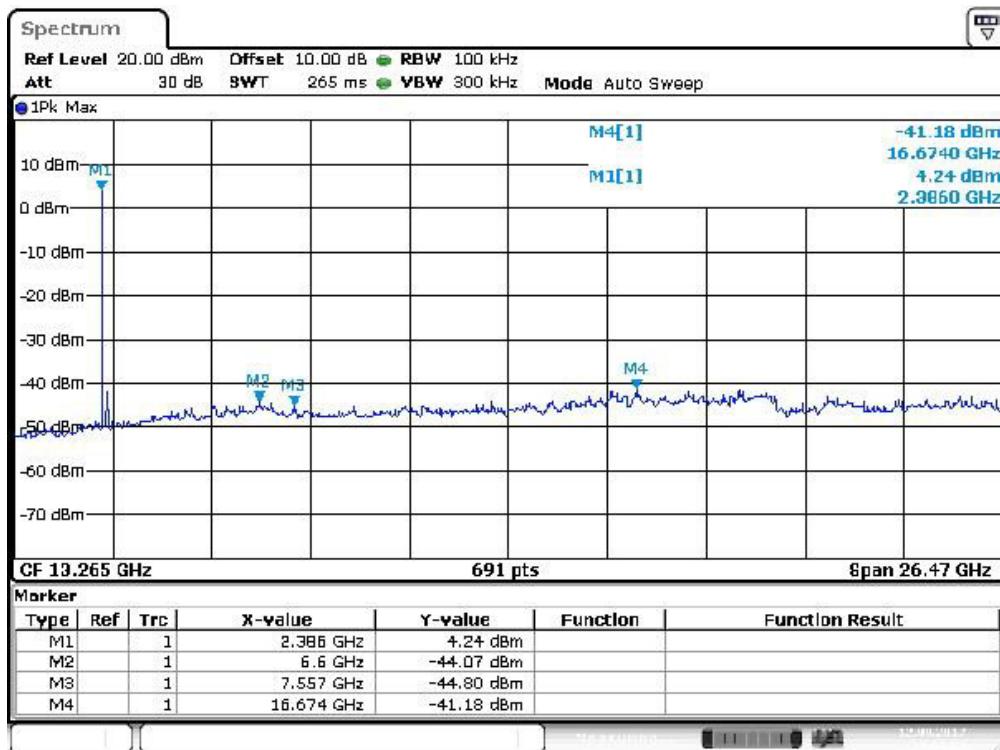
For details refer to following test plot.

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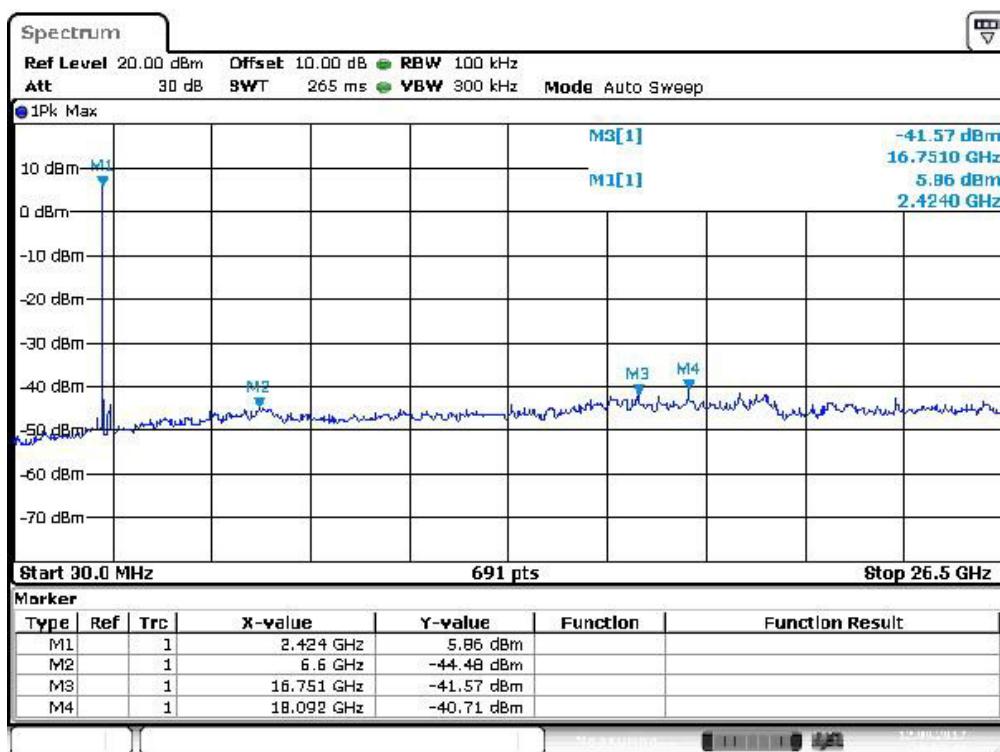
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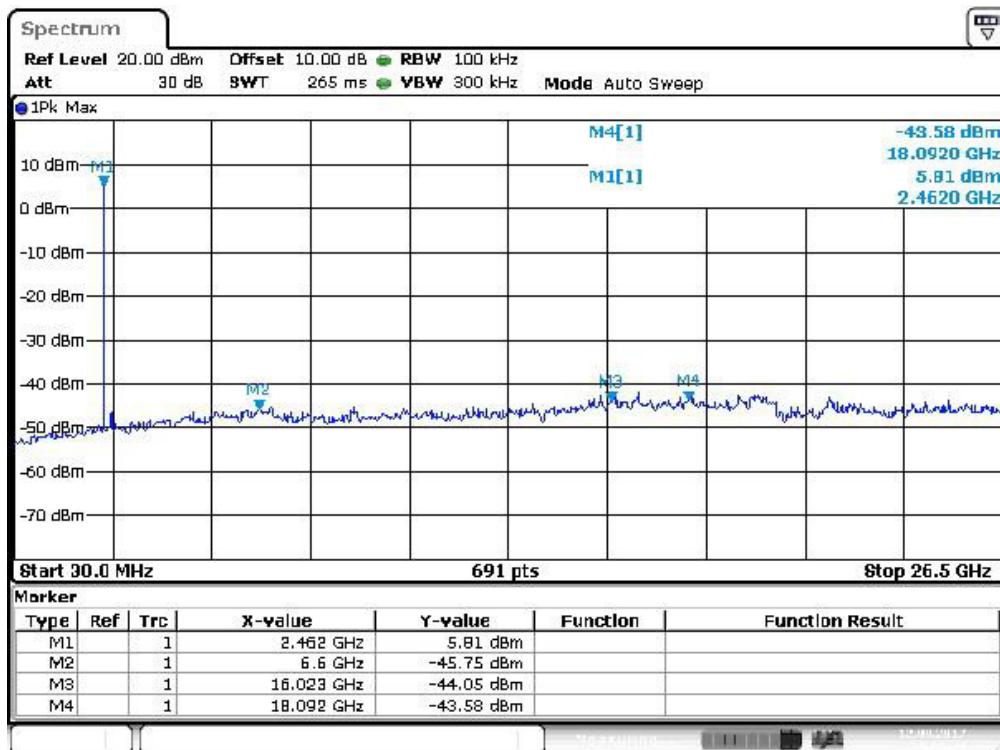
**Test Plot of Conducted spurious emissions measured in
100kHz Bandwidth of BDR mode**

Low Channel



Middle Channel



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High Channel


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Band Edge

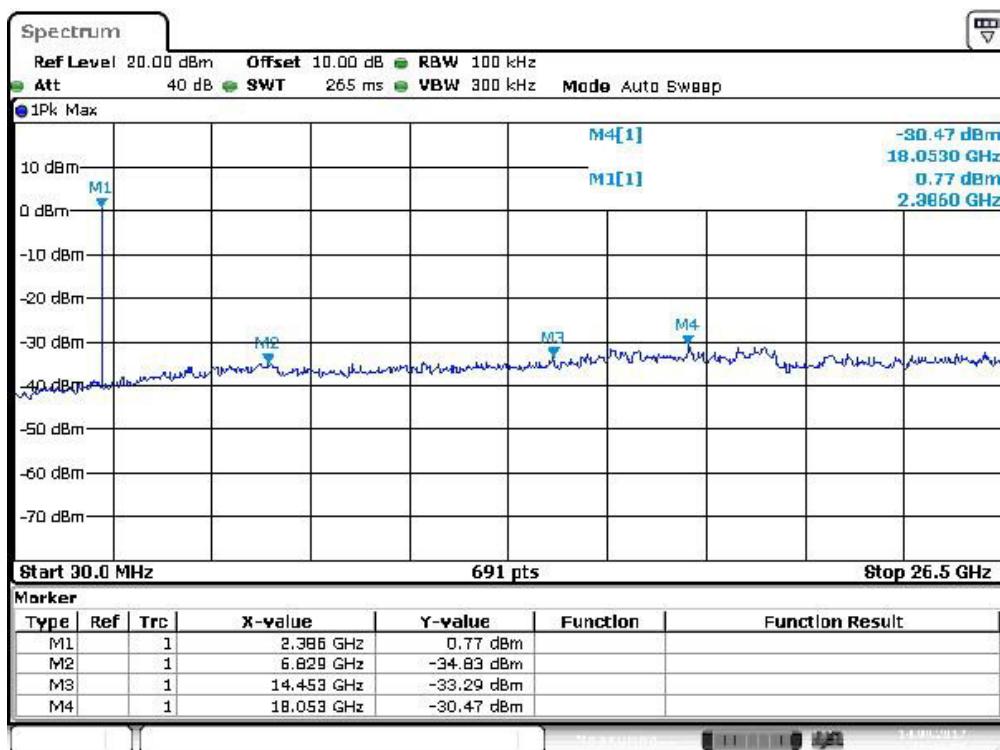


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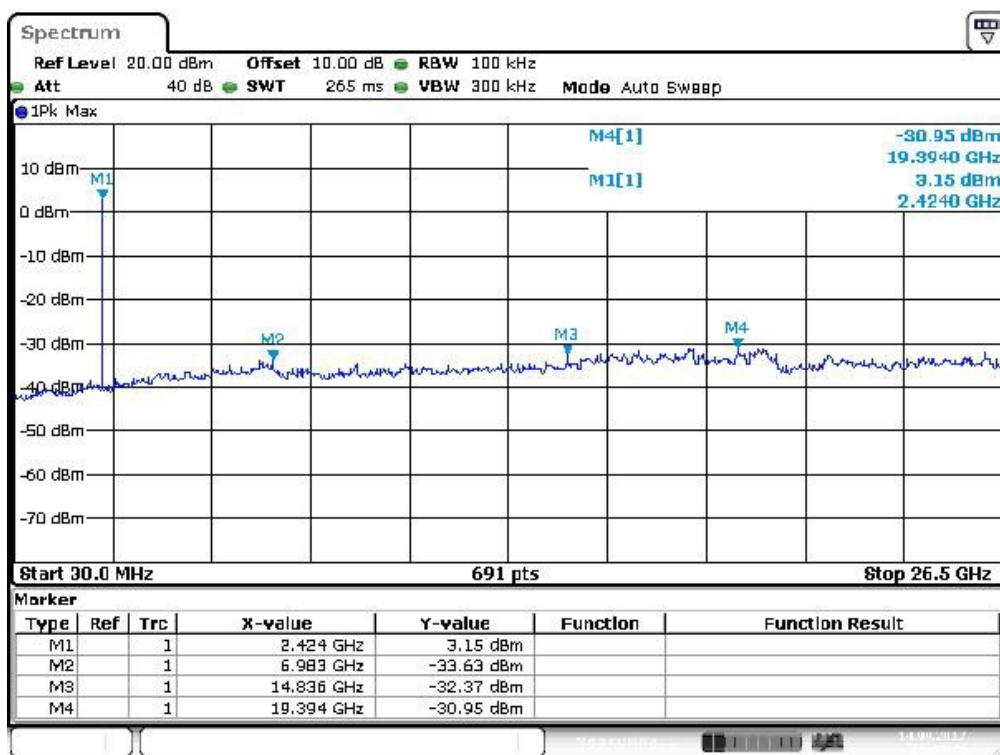
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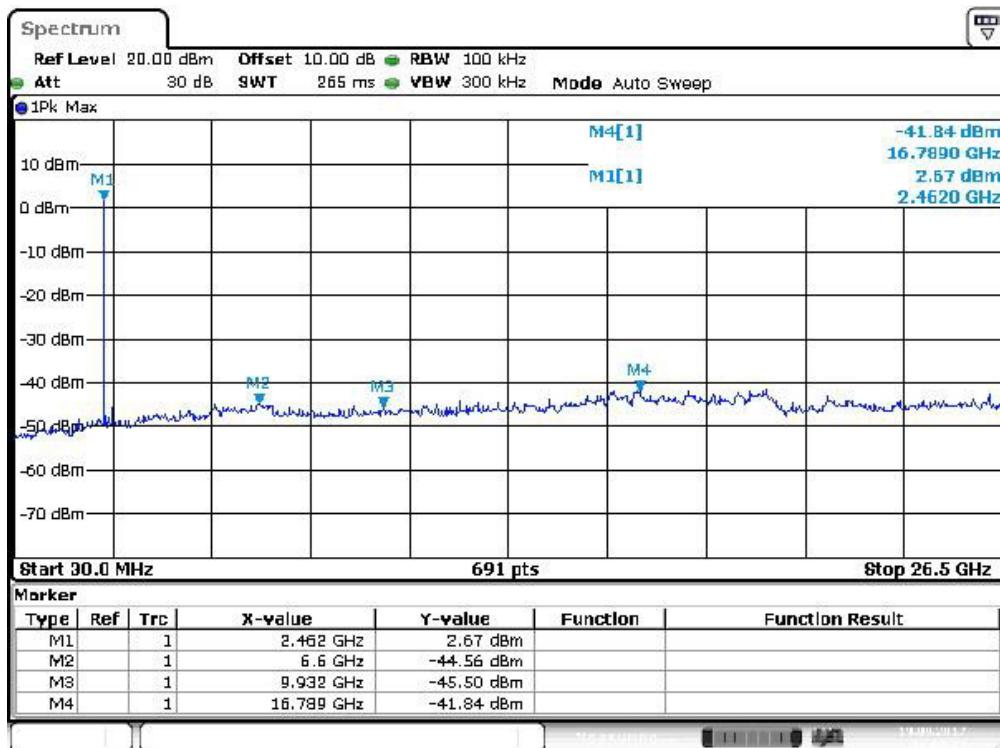
Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of EDR mode

Low Channel



Middle Channel



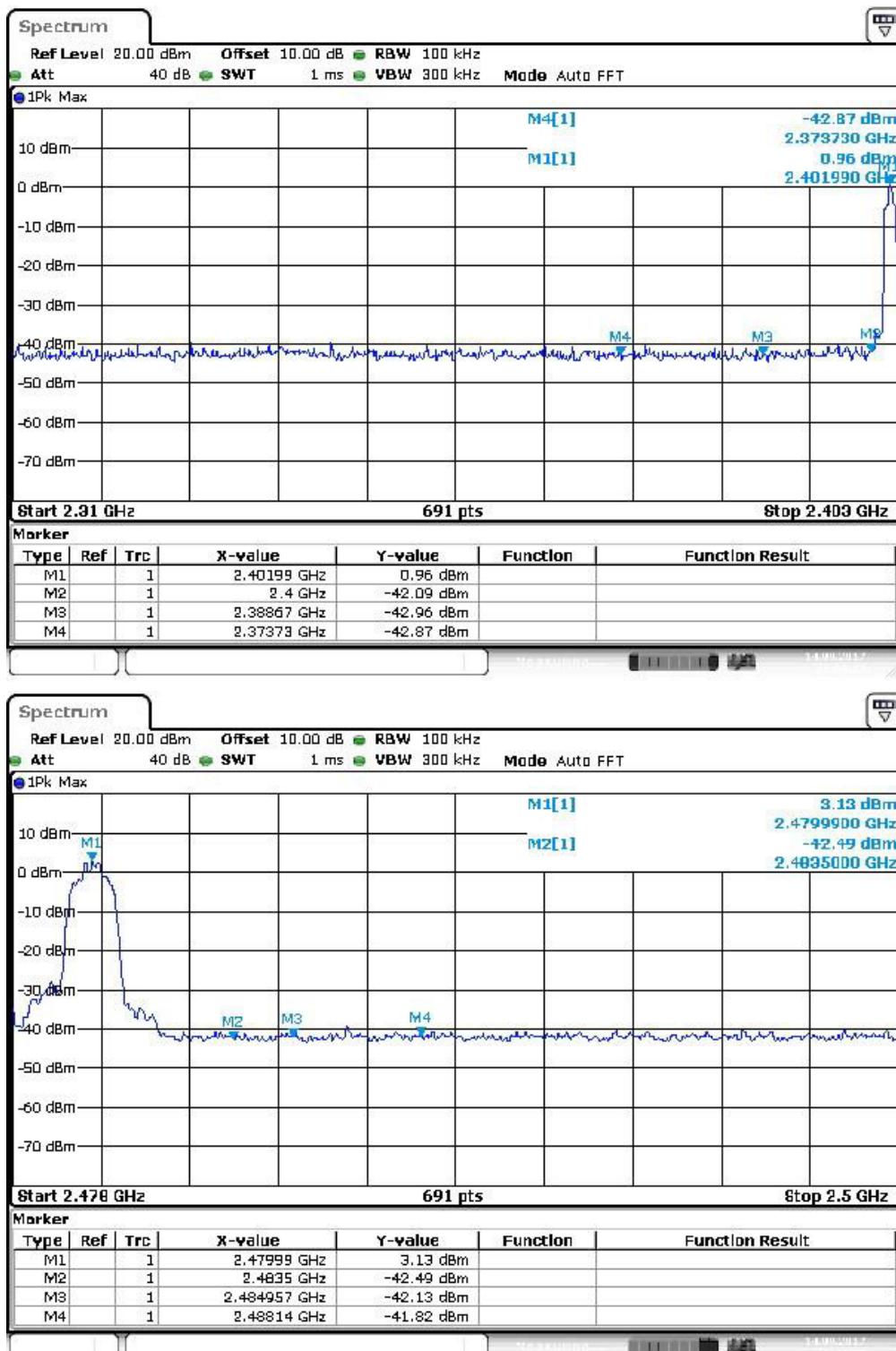
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High Channel


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Band Edge



5.1.5 Spurious Emission

RESULT:**Pass**

Date of testing	:	2017-07-02
Test standard	:	FCC part 15.247(d) RSS-Gen
Basic standard	:	ANSI C63.10: 2013 Clause 11 of KDB 558074 v03r05
Limits	:	FCC part 15.209(a)
Kind of test site	:	3m Semi-Anechoic Chamber & Anechoic Chamber

Test setup

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

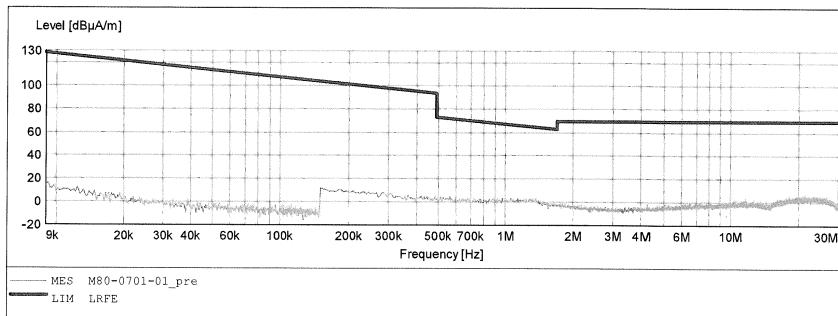
For details refer to following test plot.

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ACCURATE TECHNOLOGY CO., LTD
FCC Class B 3M Radiated

EUT: Multimedia Speaker M/N:M80
 Manufacturer: EDIFIER
 Operating Condition: TX 2402MHz
 Test Site: 2# Chamber
 Operator: PING
 Test Specification: DC 3.7V
 Comment: X
 Start of Test: 2017-07-01 /

SCAN TABLE: "LFRE Fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF Time	Transducer 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

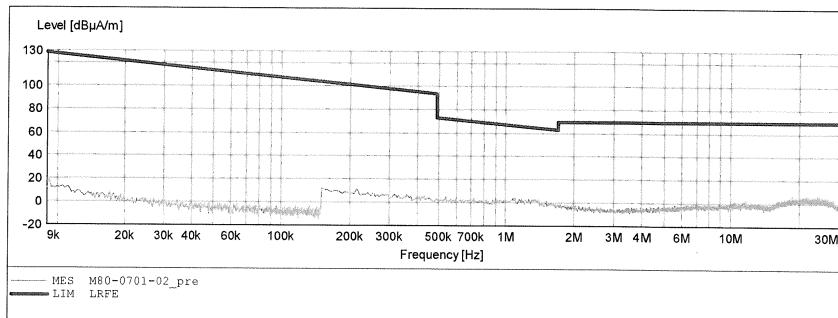


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*Test Report No.*Seite 25 von 70
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EUT: Multimedia Speaker M/N:M80
Manufacturer: EDIFIER
Operating Condition: TX 2402MHz
Test Site: 2# Chamber
Operator: PING
Test Specification: DC 3.7V
Comment: Y
Start of Test: 2017-07-01 /

SCAN TABLE: "LFRE Fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF Time	Transducer 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

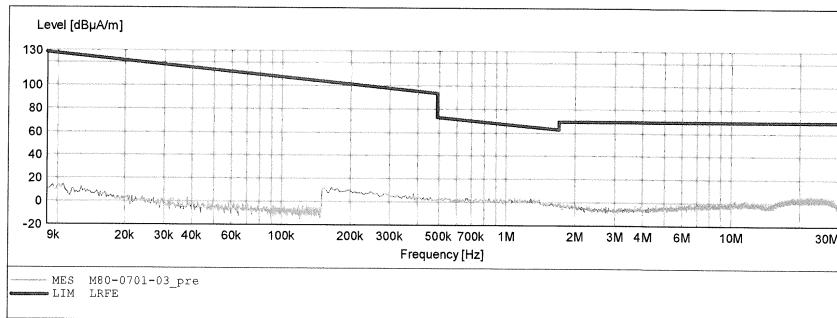


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ACCURATE TECHNOLOGY CO., LTD
FCC Class B 3M Radiated

EUT: Multimedia Speaker M/N:M80
 Manufacturer: EDIFIER
 Operating Condition: TX 2402MHz
 Test Site: 2# Chamber
 Operator: PING
 Test Specification: DC 3.7V
 Comment: Z
 Start of Test: 2017-07-01 /

SCAN TABLE: "LFRE Fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF Time	Transducer 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

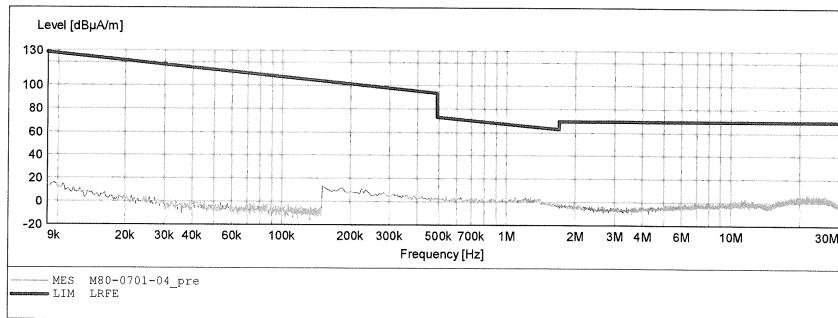


Prüfbericht - Nr.: **50096503 001**
Test Report No.Seite 27 von 70
Page 27 of 70**ACCURATE TECHNOLOGY CO., LTD****FCC Class B 3M Radiated**

EUT: Multimedia Speaker M/N:M80
Manufacturer: EDIFIER
Operating Condition: TX 2441MHz
Test Site: 2# Chamber
Operator: PING
Test Specification: DC 3.7V
Comment: X
Start of Test: 2017-07-01 /

SCAN TABLE: "LRFE Fin"

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

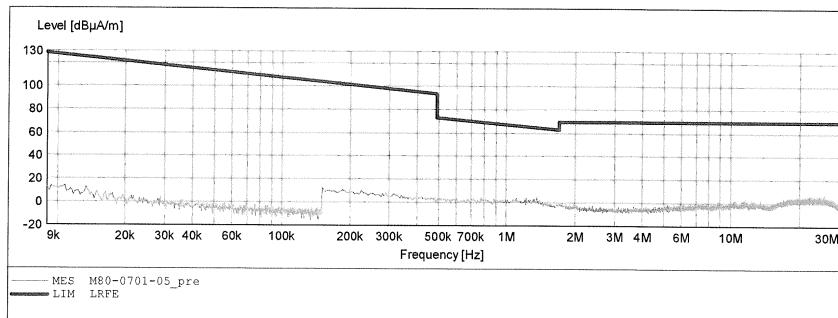


Prüfbericht - Nr.: 50096503 001
*Test Report No.*Seite 28 von 70
Page 28 of 70**ACCURATE TECHNOLOGY CO., LTD****FCC Class B 3M Radiated**

EUT: Multimedia Speaker M/N:M80
Manufacturer: EDIFIER
Operating Condition: TX 2441MHz
Test Site: 2# Chamber
Operator: PING
Test Specification: DC 3.7V
Comment: Y
Start of Test: 2017-07-01 /

SCAN TABLE: "LFRE Fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF Time	Transducer 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

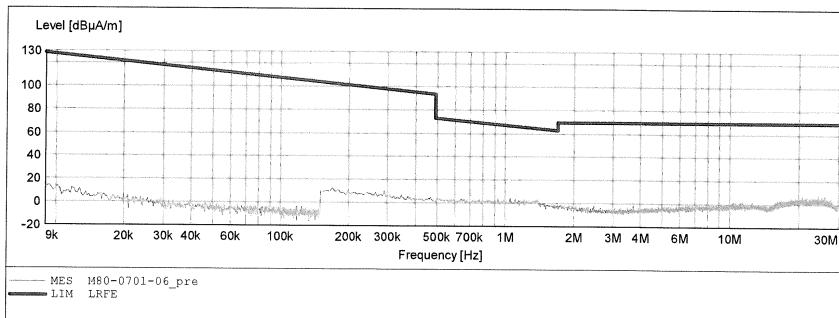


Prüfbericht - Nr.: 50096503 001
*Test Report No.*Seite 29 von 70
Page 29 of 70**ACCURATE TECHNOLOGY CO., LTD****FCC Class B 3M Radiated**

EUT: Multimedia Speaker M/N:M80
Manufacturer: EDIFIER
Operating Condition: TX 2441MHz
Test Site: 2# Chamber
Operator: PING
Test Specification: DC 3.7V
Comment: Z
Start of Test: 2017-07-01 /

SCAN TABLE: "LRFER Fin"

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

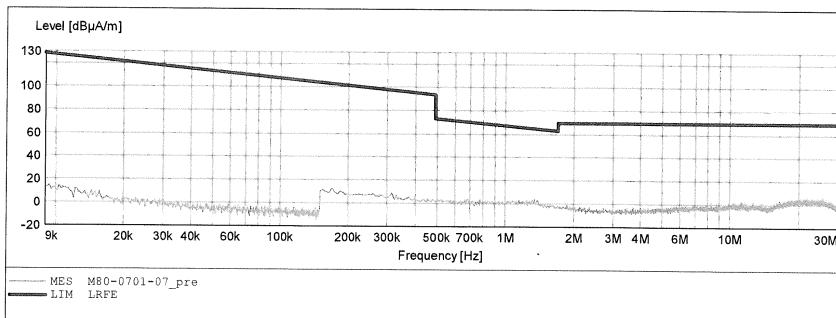


Prüfbericht - Nr.: 50096503 001
*Test Report No.*Seite 30 von 70
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EUT: Multimedia Speaker M/N:M80
Manufacturer: EDIFIER
Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: PING
Test Specification: DC 3.7V
Comment: X
Start of Test: 2017-07-01 /

SCAN TABLE: "LFRE Fin"

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

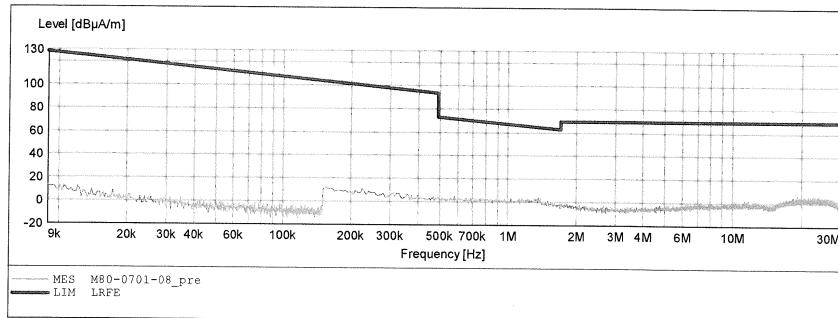


Prüfbericht - Nr.: **50096503 001**
Test Report No.Seite 31 von 70
Page 31 of 70**ACCURATE TECHNOLOGY CO., LTD****FCC Class B 3M Radiated**

EUT: Multimedia Speaker M/N:M80
Manufacturer: EDIFIER
Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: PING
Test Specification: DC 3.7V
Comment: Y
Start of Test: 2017-07-01 /

SCAN TABLE: "LFRE Fin"

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

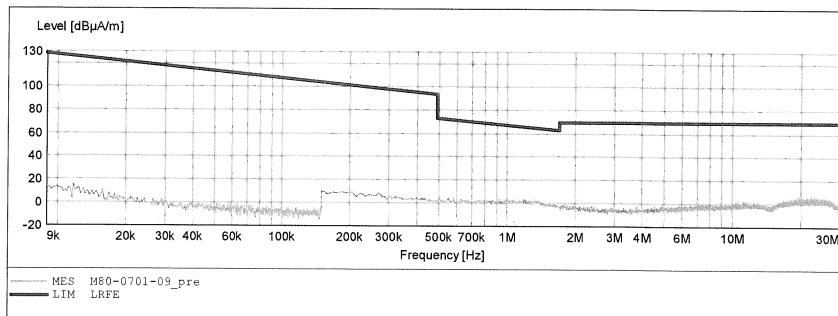


Prüfbericht - Nr.: **50096503 001**
Test Report No.Seite 32 von 70
Page 32 of 70**ACCURATE TECHNOLOGY CO., LTD****FCC Class B 3M Radiated**

EUT: Multimedia Speaker M/N:M80
Manufacturer: EDIFIER
Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: PING
Test Specification: DC 3.7V
Comment: Z
Start of Test: 2017-07-01 /

SCAN TABLE: "LFRE Fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF Time	Transducer 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



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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 #4084

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 17/07/02/

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

Time:

EUT: Multimedia Speaker

Engineer Signature: PING

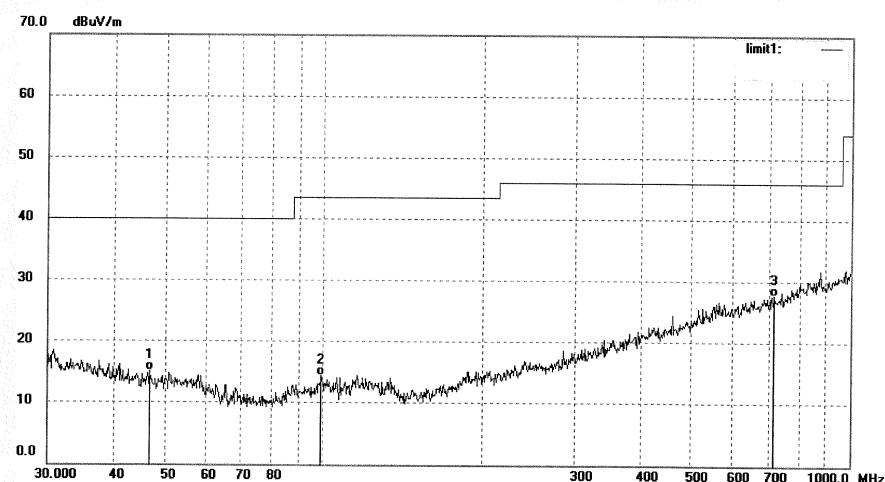
Mode: TX 2402MHz

Distance: 3m

Model: M80

Manufacturer: EDIFIER

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	46.6664	27.75	-12.60	15.15	40.00	-24.85	QP			
2	99.1796	27.81	-13.33	14.48	43.50	-29.02	QP			
3	716.6820	28.62	-0.83	27.79	46.00	-18.21	QP			

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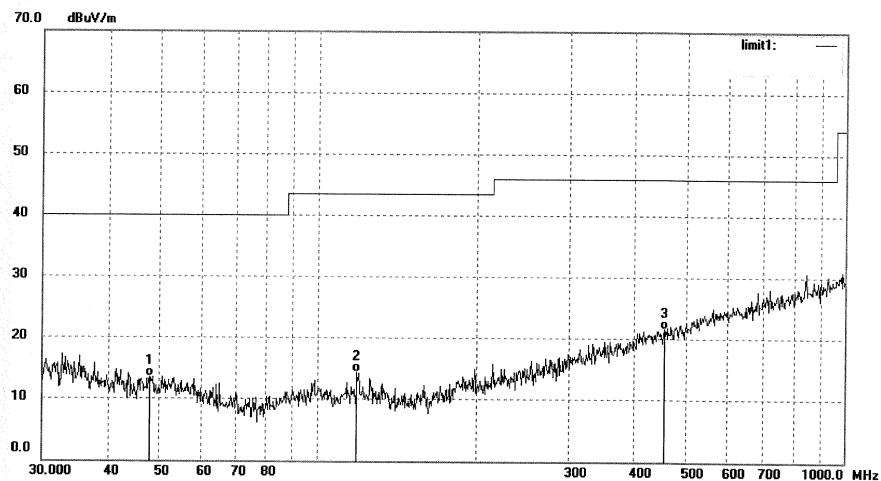
ACCURATE TECHNOLOGY CO., LTD.

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 #4085	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	17/07/02/
Temp.(C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Multimedia Speaker	Engineer Signature:	PING
Mode:	TX 2402MHz	Distance:	3m
Model:	M80		
Manufacturer:	EDIFIER		

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	47.6584	26.24	-12.60	13.64	40.00	-26.36	QP			
2	119.0180	27.52	-13.06	14.46	43.50	-29.04	QP			
3	455.9057	26.89	-5.25	21.64	46.00	-24.36	QP			

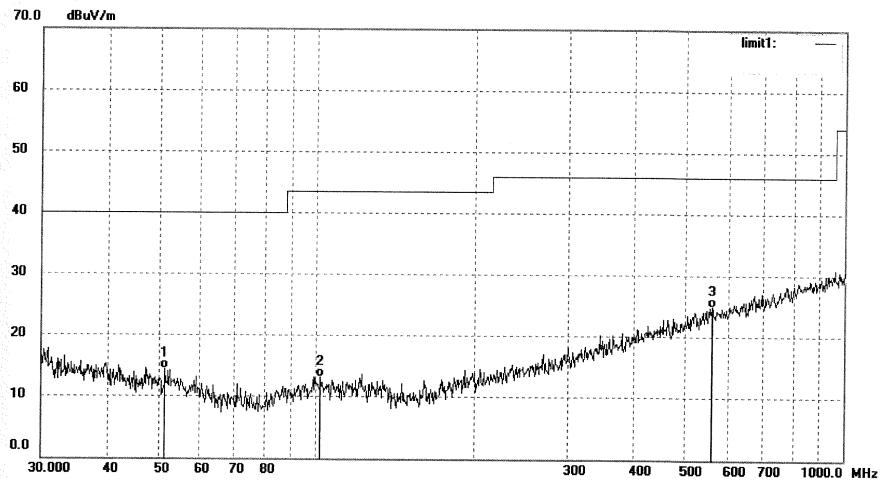
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ACCURATE TECHNOLOGY CO., LTD.

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 #4087	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	17/07/02/
Temp. (C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Multimedia Speaker	Engineer Signature:	PING
Mode:	TX 2441MHz	Distance:	3m
Model:	M80		
Manufacturer:	EDIFIER		
Note:			



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	51.3004	27.07	-12.68	14.39	40.00	-25.61	QP			
2	102.0014	26.58	-13.38	13.20	43.50	-30.30	QP			
3	560.6928	27.78	-2.90	24.88	46.00	-21.12	QP			

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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 #4086

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 17/07/02/

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

Time:

EUT: Multimedia Speaker

Engineer Signature: PING

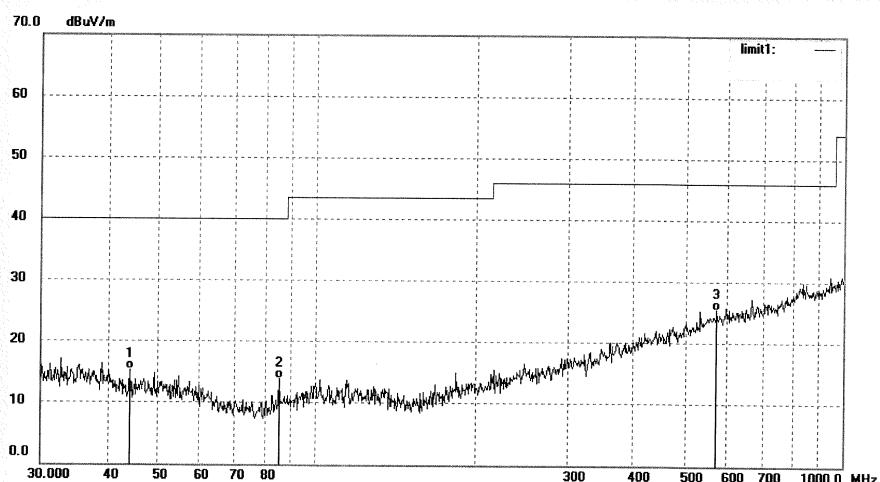
Mode: TX 2441MHz

Distance: 3m

Model: M80

Manufacturer: EDIFIER

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	44.1200	27.68	-12.43	15.25	40.00	-24.75	QP			
2	85.2980	29.16	-15.32	13.84	40.00	-26.16	QP			
3	572.6144	28.13	-2.69	25.44	46.00	-20.56	QP			

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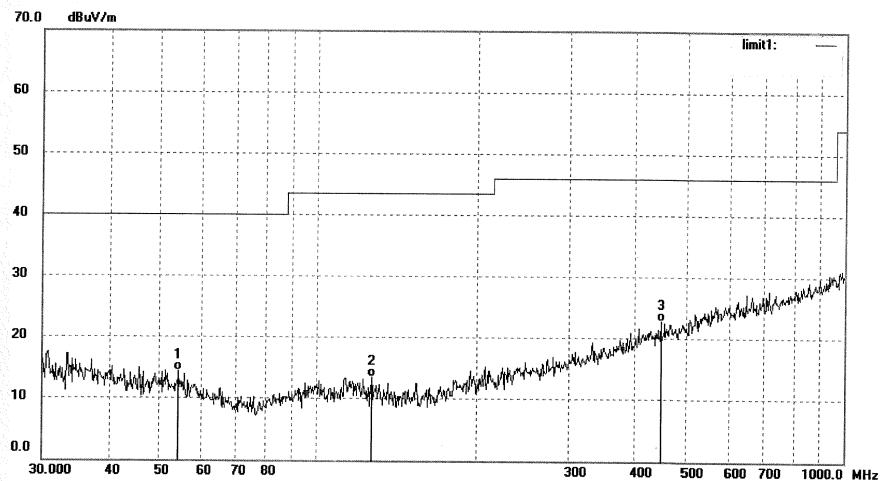
ACCURATE TECHNOLOGY CO., LTD.

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 #4088	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/07/02/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Multimedia Speaker	Engineer Signature: PING
Mode: TX 2480MHz	Distance: 3m
Model: M80	
Manufacturer: EDIFIER	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	54.2610	27.37	-12.89	14.48	40.00	-25.52	QP			
2	126.7723	27.22	-13.68	13.54	43.50	-29.96	QP			
3	449.5557	28.27	-5.35	22.92	46.00	-23.08	QP			

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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 #4089

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 17/07/02/

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

Time:

EUT: Multimedia Speaker

Engineer Signature: PING

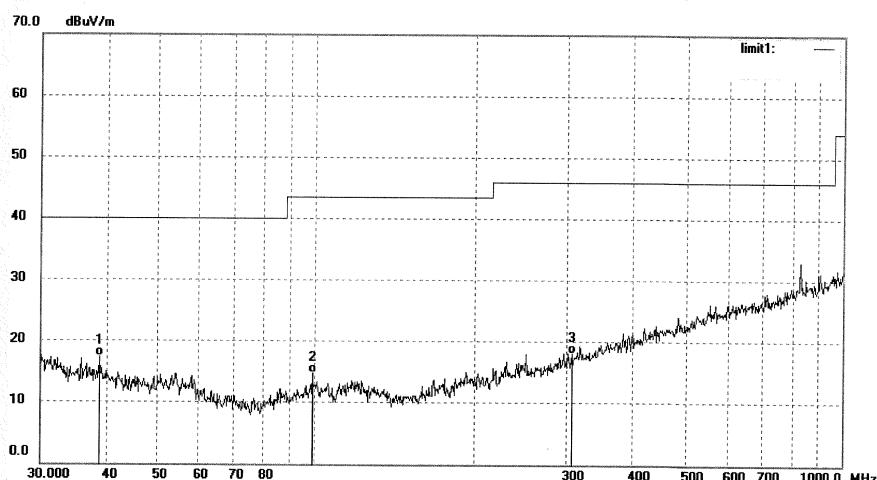
Mode: TX 2480MHz

Distance: 3m

Model: M80

Manufacturer: EDIFIER

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	38.7518	28.59	-11.25	17.34	40.00	-22.66	QP			
2	98.8324	28.23	-13.44	14.79	43.50	-28.71	QP			
3	306.7536	26.96	-8.85	18.11	46.00	-27.89	QP			

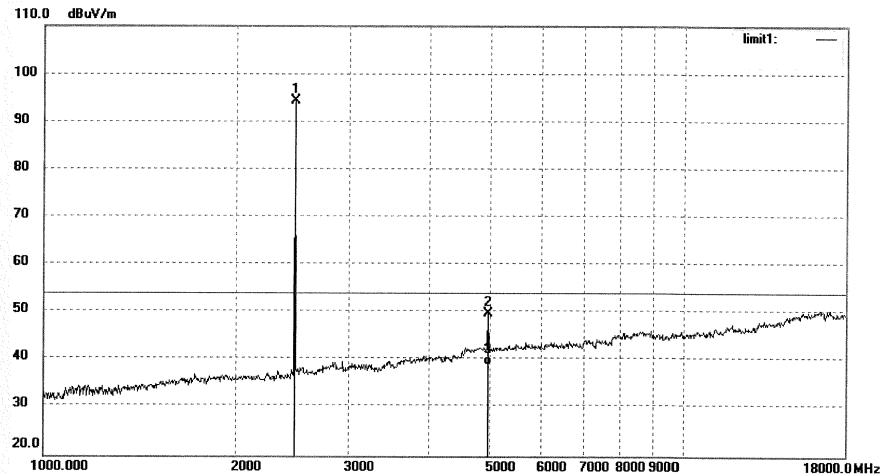
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ACCURATE TECHNOLOGY CO., LTD.

 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 #4098	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	17/07/02/
Temp. (C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Multimedia Speaker	Engineer Signature:	PING
Mode:	TX 2480MHz	Distance:	3m
Model:	M80		
Manufacturer:	EDIFIER		
Note:			



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	57.17	37.12	94.29	/	/	peak			
2	4960.029	7.24	42.54	49.78	74.00	-24.22	peak			
3	4960.029	-3.47	42.54	39.07	54.00	-14.93	AVG			

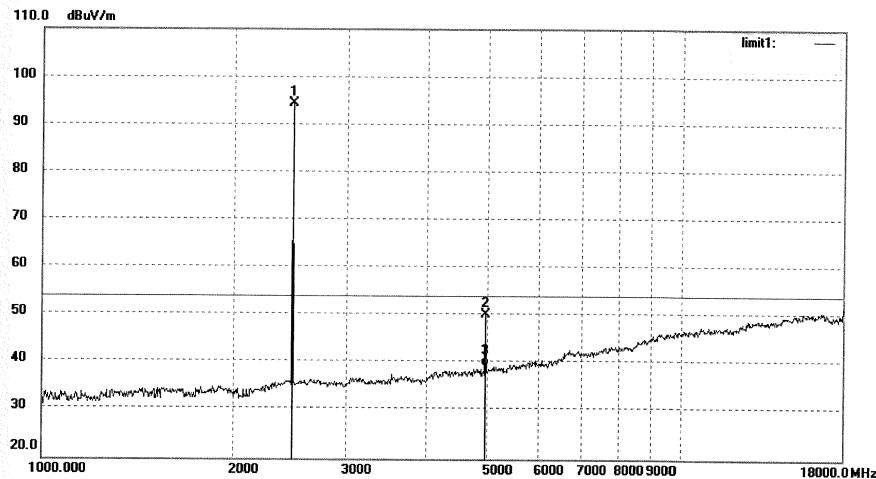
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ACCURATE TECHNOLOGY CO., LTD.

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 #4099	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	17/07/02/
Temp. (C) / Hum. (%)	23 C / 48 %	Time:	
EUT:	Multimedia Speaker	Engineer Signature:	PING
Mode:	TX 2480MHz	Distance:	3m
Model:	M80		
Manufacturer:	EDIFIER		
Note:			



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	57.20	37.12	94.32	/	/	peak			
2	4960.028	7.78	42.54	50.32	74.00	-23.68	peak			
3	4960.028	-3.13	42.54	39.41	54.00	-14.59	AVG			

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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 #4101

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 17/07/02/

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

Time:

EUT: Multimedia Speaker

Engineer Signature: PING

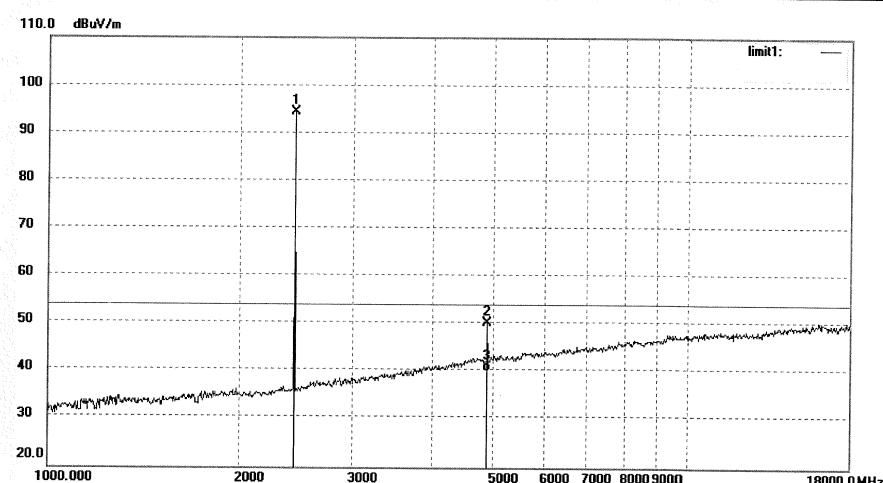
Mode: TX 2441MHz

Distance: 3m

Model: M80

Manufacturer: EDIFIER

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	57.48	36.96	94.44	/	/	peak			
2	4882.025	8.02	42.20	50.22	74.00	-23.78	peak			
3	4882.025	-2.05	42.20	40.15	54.00	-13.85	AVG			

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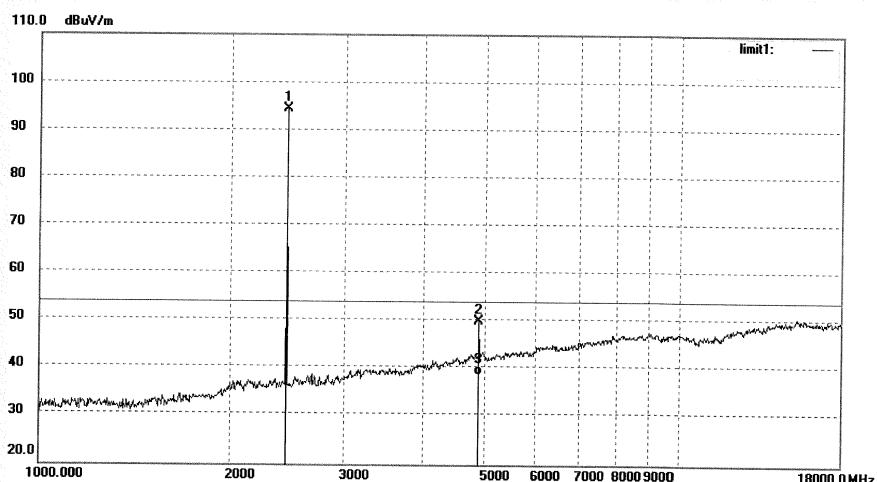
ACCURATE TECHNOLOGY CO., LTD.

 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 #4100	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	17/07/02/
Temp.(C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Multimedia Speaker	Engineer Signature:	PING
Mode:	TX 2441MHz	Distance:	3m
Model:	M80		
Manufacturer:	EDIFIER		

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	57.49	36.96	94.45	/	/	peak			
2	4882.025	7.83	42.20	50.03	74.00	-23.97	peak			
3	4882.025	-3.40	42.20	38.80	54.00	-15.20	AVG			

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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 #4102

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 17/07/02/

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

Time:

EUT: Multimedia Speaker

Engineer Signature: PING

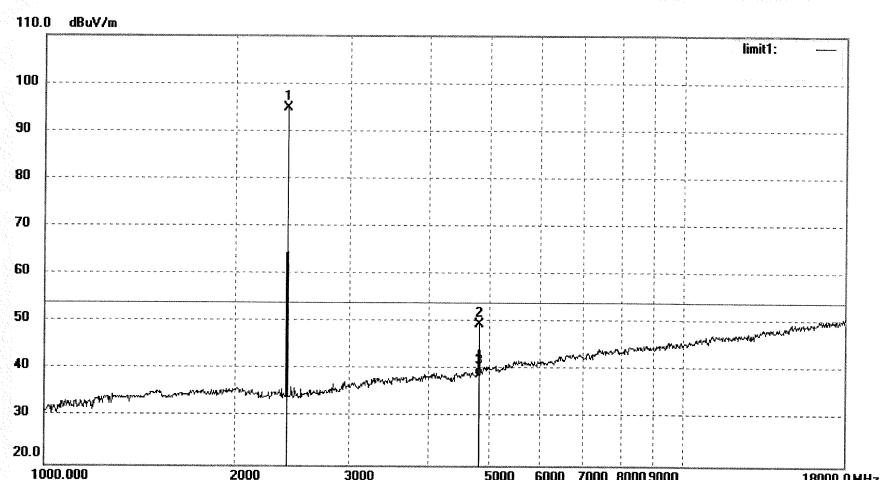
Mode: TX 2402MHz

Distance: 3m

Model: M80

Manufacturer: EDIFIER

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	58.08	36.79	94.87	/	/	peak			
2	4804.024	7.60	41.88	49.48	74.00	-24.52	peak			
3	4804.024	-3.20	41.88	38.68	54.00	-15.32	AVG			

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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 #4103

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Multimedia Speaker

Mode: TX 2402MHz

Model: M80

Manufacturer: EDIFIER

Polarization: Vertical

Power Source: DC 3.7V

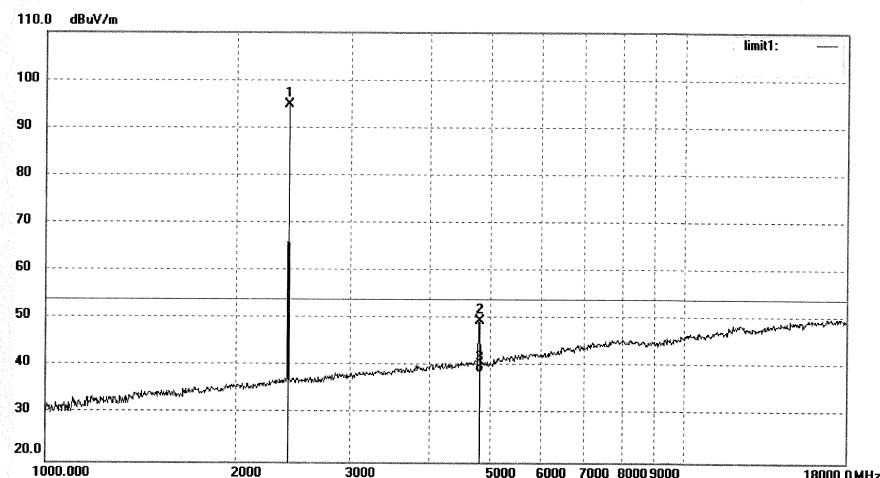
Date: 17/07/02/

Time:

Engineer Signature: PING

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	58.04	36.79	94.83	/	/	peak			
2	4804.022	7.73	41.88	49.61	74.00	-24.39	peak			
3	4804.022	-3.10	41.88	38.78	54.00	-15.22	AVG			

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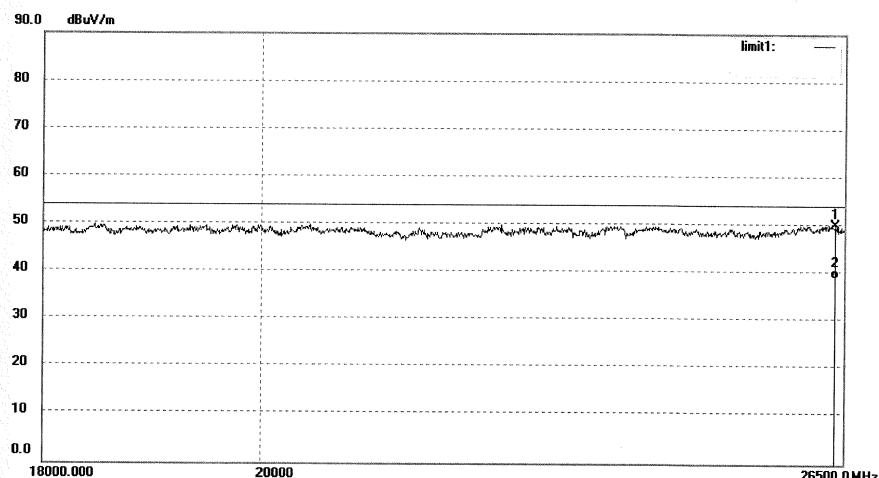
ACCURATE TECHNOLOGY CO., LTD.

 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 #4113 Polarization: Horizontal
 Standard: FCC Class B 3M Radiated Power Source: DC 3.7V
 Test item: Radiation Test Date: 17/07/02/
 Temp. (C)/Hum.(%) 23 C / 48 % Time:
 EUT: Multimedia Speaker Engineer Signature: PING
 Mode: TX 2402MHz Distance: 3m
 Model: M80
 Manufacturer: EDIFIER

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26387.495	9.60	40.44	50.04	74.00	-23.96	peak			
2	26387.495	-1.35	40.44	39.09	54.00	-14.91	AVG			

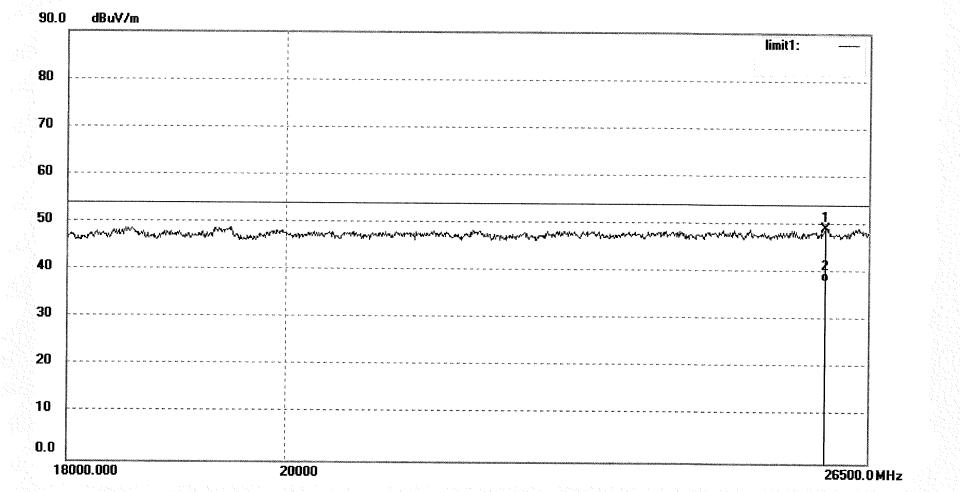
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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: PING #4112	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/07/02/
Temp. (C)/Hum.(%) 23 C / 48 %	Time:
EUT: Multimedia Speaker	Engineer Signature: PING
Mode: TX 2402MHz	Distance: 3m
Model: M80	
Manufacturer: EDIFIER	
Note:	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25952.268	8.22	40.98	49.20	74.00	-24.80	peak			
2	25952.268	-2.85	40.98	38.13	54.00	-15.87	AVG			

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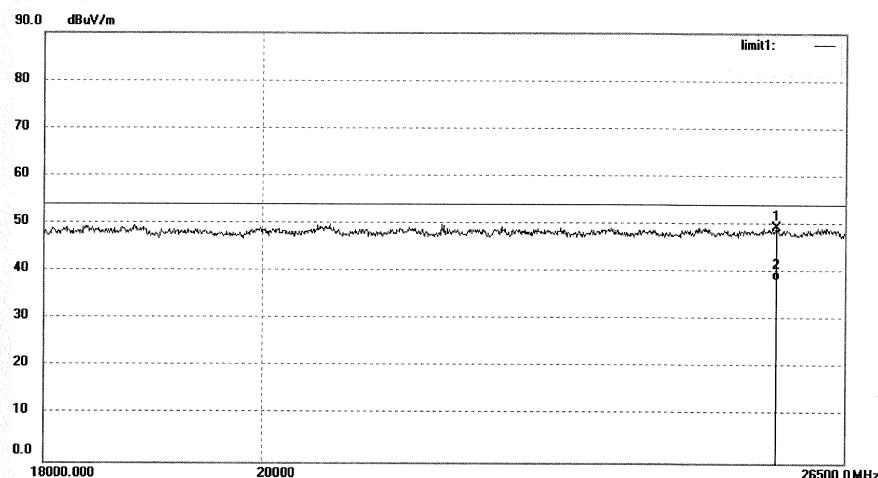
ACCURATE TECHNOLOGY CO., LTD.

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 #4110 Polarization: Horizontal
Standard: FCC Class B 3M Radiated Power Source: DC 3.7V
Test item: Radiation Test Date: 17/07/02/
Temp.(C)/Hum.(%) 23 C / 48 % Time:
EUT: Multimedia Speaker Engineer Signature: PING
Mode: TX 2441MHz Distance: 3m
Model: M80
Manufacturer: EDIFIER

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25633.043	9.41	40.06	49.47	74.00	-24.53	peak			
2	25633.043	-1.63	40.06	38.43	54.00	-15.57	AVG			

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

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

Job No.: PING #4111

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 17/07/02/

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

Time:

EUT: Multimedia Speaker

Engineer Signature: PING

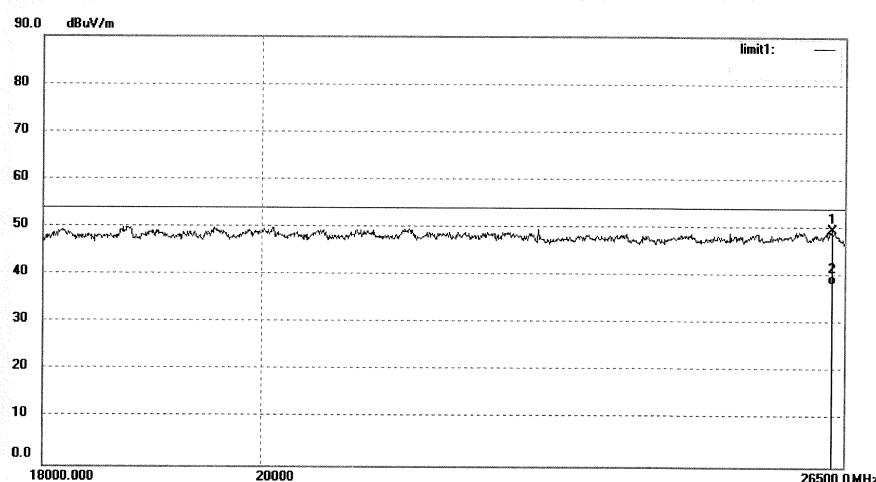
Mode: TX 2441MHz

Distance: 3m

Model: M80

Manufacturer: EDIFIER

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26336.515	8.64	40.93	49.57	74.00	-24.43	peak			
2	26336.515	-2.46	40.93	38.47	54.00	-15.53	AVG			

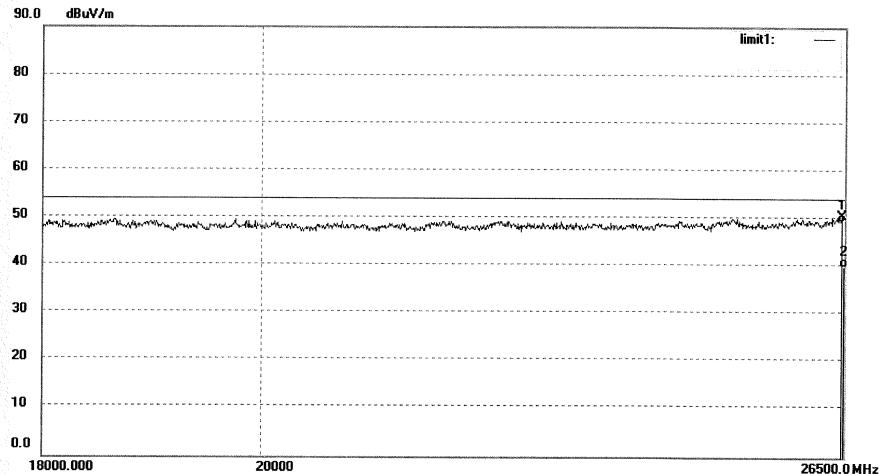
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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.:	PING #4109	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	17/07/02/
Temp. (C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Multimedia Speaker	Engineer Signature:	PING
Mode:	TX 2480MHz	Distance:	3m
Model:	M80		
Manufacturer:	EDIFIER		
Note:			



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26469.269	10.05	40.48	50.53	74.00	-23.47	peak			
2	26469.269	-0.54	40.48	39.94	54.00	-14.06	AVG			

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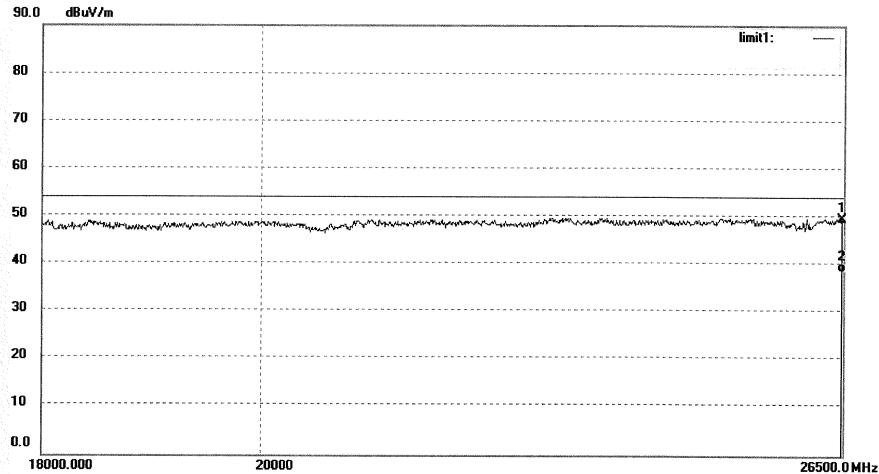
ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.:	PING #4108	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	17/07/02/
Temp. (C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Multimedia Speaker	Engineer Signature:	PING
Mode:	TX 2480MHz	Distance:	3m
Model:	M80		
Manufacturer:	EDIFIER		

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26479.509	8.67	40.90	49.57	74.00	-24.43	peak			
2	26479.509	-2.35	40.90	38.55	54.00	-15.45	Avg			

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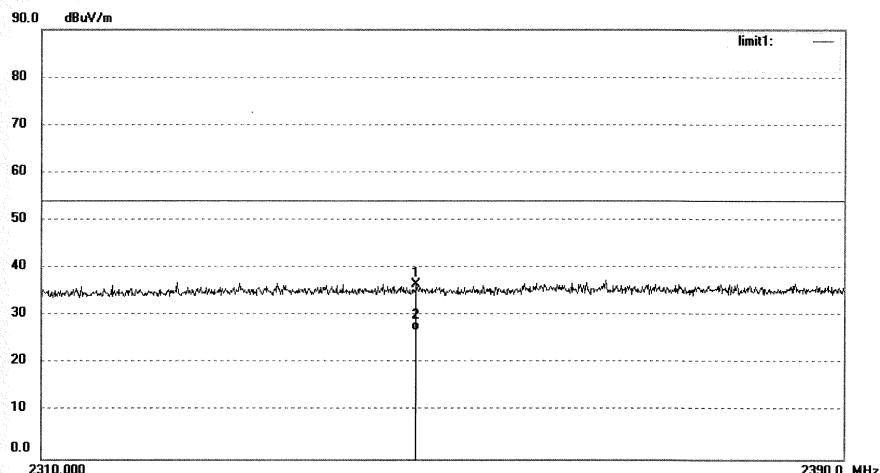
ACCURATE TECHNOLOGY CO., LTD.

 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 #4105	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/07/02/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Multimedia Speaker	Engineer Signature: PING
Mode: TX 2402MHz	Distance: 3m
Model: M80	
Manufacturer: EDIFIER	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2347.200	0.11	36.56	36.67	54.00	-17.33	peak			
2	2347.200	-9.63	36.56	26.93	54.00	-27.07	Avg			

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

Job No.: PING #4104

Polarization: Vertical

Standard: FCC (Band Edge)

Power Source: DC 3.7V

Test item: Radiation Test

Date: 17/07/02/

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

Time:

EUT: Multimedia Speaker

Engineer Signature: PING

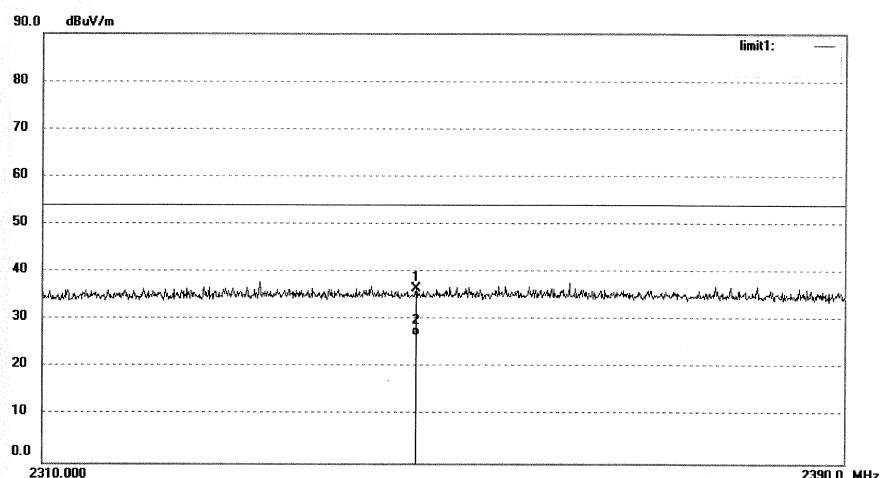
Mode: TX 2402MHz

Distance: 3m

Model: M80

Manufacturer: EDIFIER

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2347.040	-0.08	36.56	36.48	54.00	-17.52	peak			
2	2347.040	-9.86	36.56	26.70	54.00	-27.30	Avg			

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

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

Job No.: PING #4106

Polarization: Horizontal

Standard: FCC (Band Edge)

Power Source: DC 3.7V

Test item: Radiation Test

Date: 17/07/02/

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

Time:

EUT: Multimedia Speaker

Engineer Signature: PING

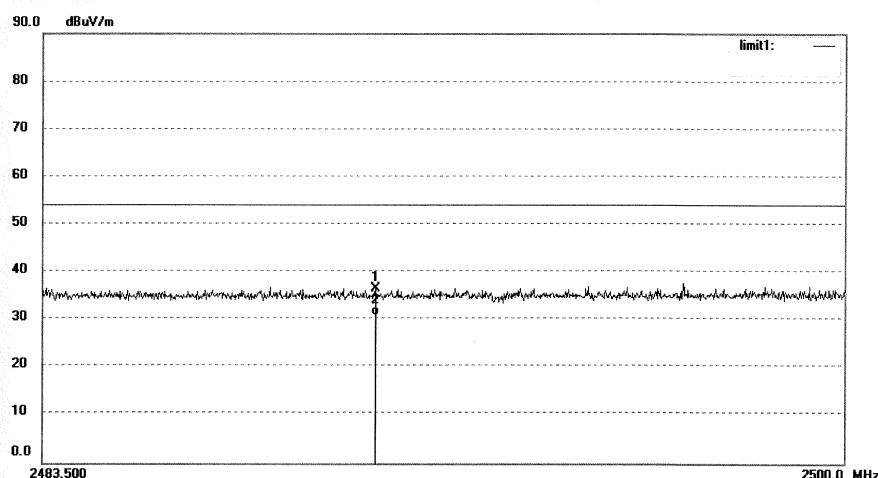
Mode: TX 2480MHz

Distance: 3m

Model: M80

Manufacturer: EDIFIER

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2490.364	-0.48	37.15	36.67	54.00	-17.33	peak			
2	2490.364	-6.31	37.15	30.84	54.00	-23.16	AVG			

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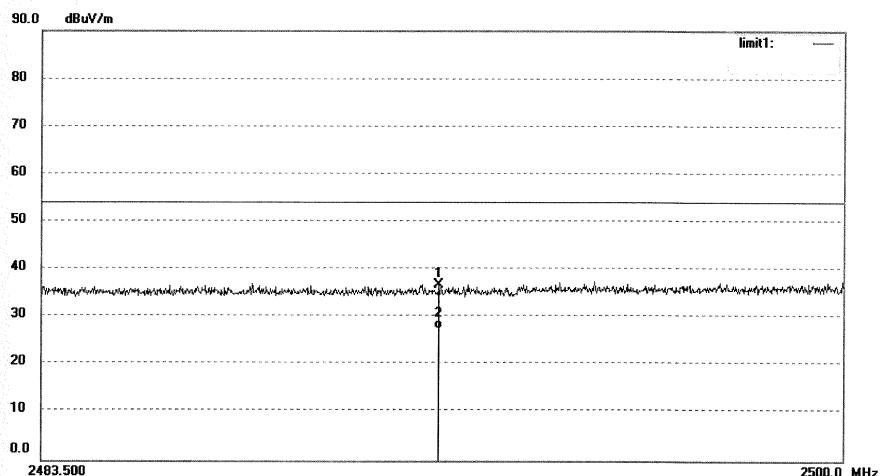
ACCURATE TECHNOLOGY CO., LTD.

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 #4107	Polarization:	Vertical
Standard:	FCC (Band Edge)	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	17/07/02/
Temp.(C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Multimedia Speaker	Engineer Signature:	PING
Mode:	TX 2480MHz	Distance:	3m
Model:	M80		
Manufacturer:	EDIFIER		

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2491.700	-0.44	37.17	36.73	54.00	-17.27	peak			
2	2491.700	-9.65	37.17	27.52	54.00	-26.48	AVG			

5.1.6 Frequency Separation

RESULT:
Pass

Date of testing	:	2017-06-23
Test standard	:	FCC part 15.247(a)(1) RSS-247 clause 5.1(b)
Basic standard	:	ANSI C63.10: 2013
Limit	:	≥ 25kHz or two-thirds of 20dB bandwidth, whichever is greater
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	21°C
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

Table 9: Test result of Frequency Separation

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

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*Test Report No.*Seite 56 von 70
Page 56 of 70**5.1.7 Number of hopping frequency****RESULT:****Pass**

Date of testing	:	2017-06-23
Test standard	:	FCC part 15.247(a)(1)(iii) RSS-247 clause 5.1(d)
Basic standard	:	ANSI C63.10: 2013
Limits	:	≥ 15 non-overlapping channels
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	21°C
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

Table 10: Test result of Number of hopping frequency

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

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5.1.8 Time of Occupancy

RESULT:
Pass

Date of testing	:	2017-06-23
Test standard	:	FCC part 15.247(a)(1)(iii) RSS-247 clause 5.1(d)
Basic standard	:	ANSI C63.10: 2013
Limits	:	0.4s
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	21°C
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

Table 11: Test result of Time of Occupancy

Mode	Packet Type	Channel Frequency (MHz)	Packet Duration [ms]	Number of Hops per Channel	Dwell Time (ms)	Limit [ms]
BDR	DH1	2402	0.442	322	142.324	400
		2441	0.442	322	142.324	400
		2480	0.442	322	142.324	400
	DH3	2402	1.696	165	279.840	400
		2441	1.696	165	279.840	400
		2480	1.696	165	279.840	400
	DH5	2402	3.044	112	340.928	400
		2441	3.044	112	340.928	400
		2480	3.044	112	340.928	400
EDR	DH1	2402	0.464	322	149.408	400
		2441	0.464	322	149.408	400
		2480	0.464	322	149.408	400
	DH3	2402	1.739	165	286.935	400
		2441	1.739	165	286.935	400
		2480	1.739	165	286.935	400
	DH5	2402	2.979	112	333.648	400
		2441	2.979	112	333.648	400
		2480	2.979	112	333.648	400

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5.1.9 Conducted emissions

RESULT:

Pass

Date of testing	:	2017-07-01
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 – 30MHz
Limits	:	FCC Part 15.207 Table 3 of RSS-Gen
Kind of test site	:	Shield room

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	A & B
Earthing	:	Not Connected
Ambient temperature	:	21°C
Relative humidity	:	60%
Atmospheric pressure	:	101kPa

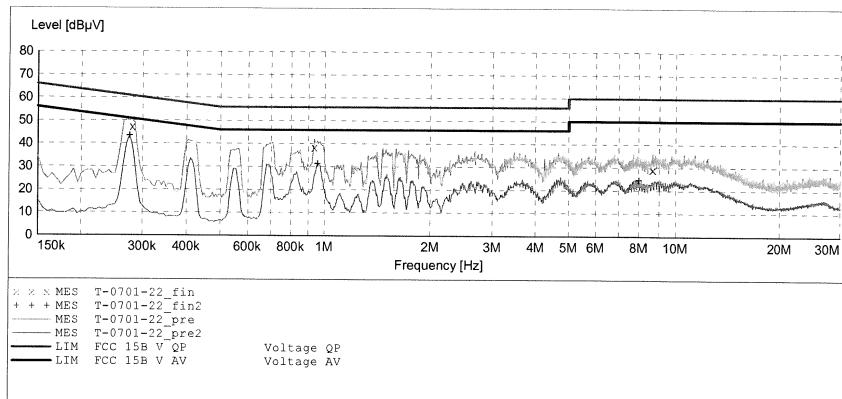
For details refer to following test plot.

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ACCURATE TECHNOLOGY CO., LTD
CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Multimedia Speaker M/N:M80
 Manufacturer: Edifier
 Operating Condition: Charging
 Test Site: 1#Shielding Room
 Operator: PING
 Test Specification: L 120V/60Hz
 Comment: Mains Port
 Start of Test: 7/01/2017 /

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

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


MEASUREMENT RESULT: "T-0701-22_fin"

7/01/2017	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.280000	47.30	10.6	61	13.5	QP	L1	GND
	0.935000	38.40	10.8	56	17.6	QP	L1	GND
	8.670000	29.20	11.3	60	30.8	QP	L1	GND

MEASUREMENT RESULT: "T-0701-22_fin2"

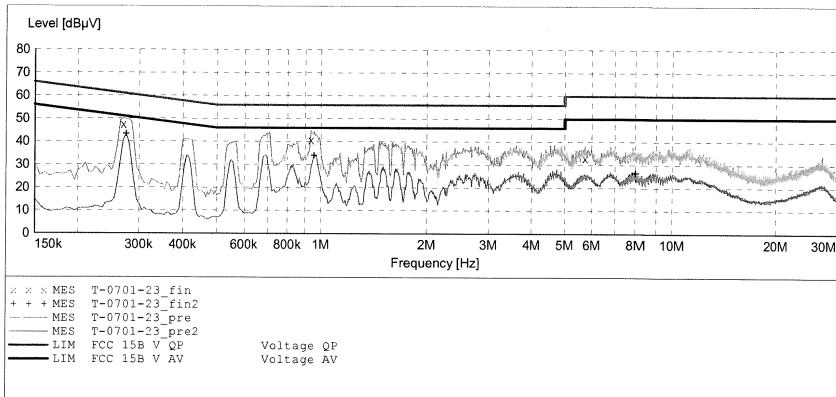
7/01/2017	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.275000	43.30	10.6	51	7.7	AV	L1	GND
	0.955000	31.30	10.8	46	14.7	AV	L1	GND
	8.000000	24.50	11.2	50	25.5	AV	L1	GND

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Test Report No.
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ACCURATE TECHNOLOGY CO., LTD
CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Multimedia Speaker M/N:M80
 Manufacturer: Edifier
 Operating Condition: Charging
 Test Site: 1#Shielding Room
 Operator: PING
 Test Specification: N 120V/60Hz
 Comment: Mains Port
 Start of Test: 7/01/2017 /

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

Short Description: SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008
 Average
 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average


MEASUREMENT RESULT: "T-0701-23_fin"

	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.270000	47.50	10.6	61	13.6	QP	N	GND
	0.935000	40.80	10.8	56	15.2	QP	N	GND
	5.740000	33.00	11.2	60	27.0	QP	N	GND

MEASUREMENT RESULT: "T-0701-23_fin2"

	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.275000	43.20	10.6	51	7.8	AV	N	GND
	0.955000	34.00	10.8	46	12.0	AV	N	GND
	8.000000	26.40	11.2	50	23.6	AV	N	GND

Prüfbericht - Nr.: 50096503 001
*Test Report No.*Seite 61 von 70
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Date of testing	:	2017-07-02
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
Earthing	:	Not connected
Ambient temperature	:	23°C
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

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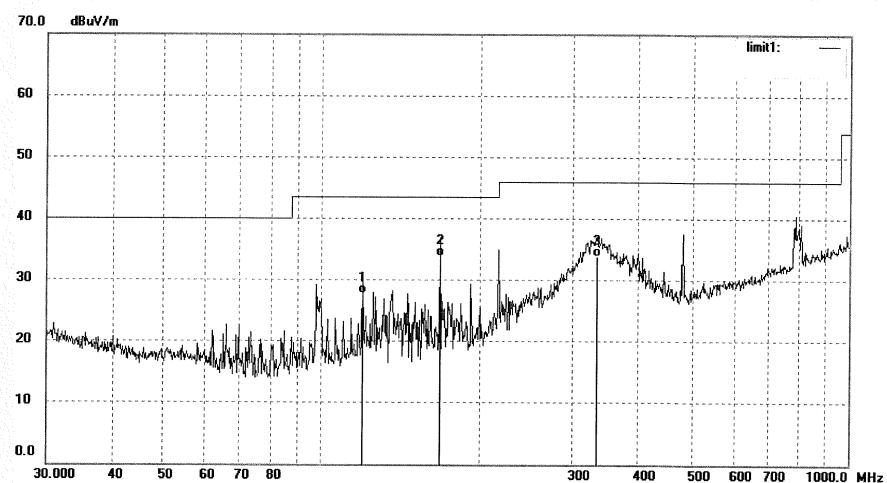
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: PING #4205
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Multimedia Speaker
Mode: Charging
Model: M80
Manufacturer: EDIFIER

Polarization: Horizontal
Power Source: DC 5V
Date: 17/07/02/
Time:
Engineer Signature: PING
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	119.8555	40.77	-13.06	27.71	43.50	-15.79	QP			
2	167.8242	47.69	-13.88	33.81	43.50	-9.69	QP			
3	333.6865	41.91	-7.97	33.94	46.00	-12.06	QP			

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: PING #4204

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 5V

Test item: Radiation Test

Date: 17/07/02/

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

Time:

EUT: Multimedia Speaker

Engineer Signature: PING

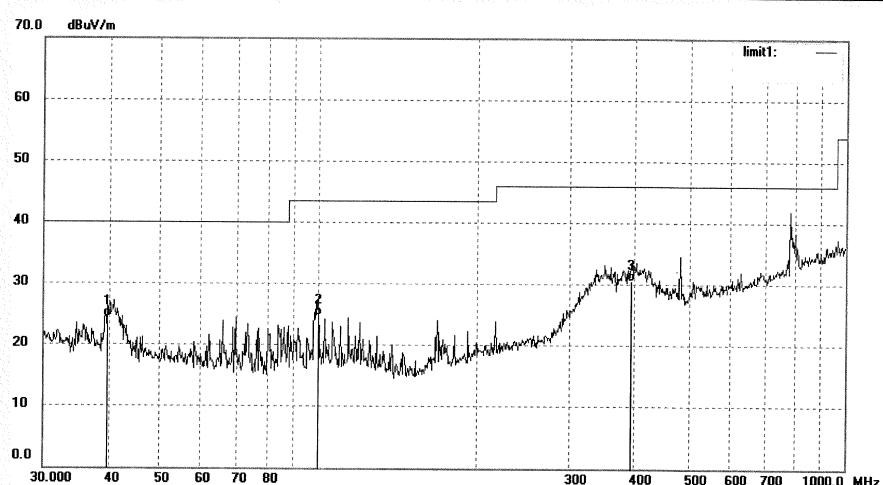
Mode: Charging

Distance: 3m

Model: M80

Manufacturer: EDIFIER

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	39.8541	35.91	-11.49	24.42	40.00	-15.58	QP			
2	99.8777	37.93	-13.09	24.84	43.50	-18.66	QP			
3	393.4723	37.18	-6.71	30.47	46.00	-15.53	QP			

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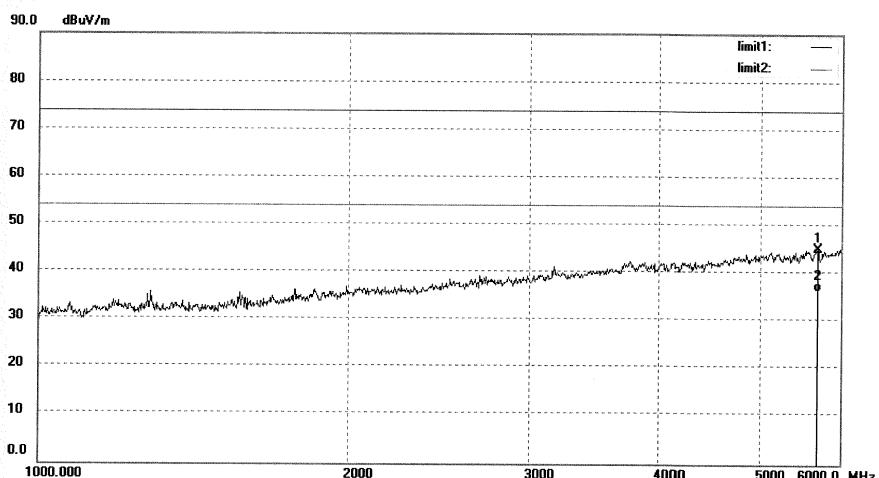
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: PING #4323
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp. (C)/Hum.(%) 23 C / 48 %
EUT: Multimedia Speaker
Mode: Charging
Model: M80
Manufacturer: EDIFIER

Polarization: Horizontal
Power Source: DC 5V
Date: 17/07/02/
Time:
Engineer Signature: PING
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5696.195	37.58	7.51	45.09	74.00	-28.91	peak			
2	5696.195	28.73	7.51	36.24	54.00	-17.76	AVG			

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

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

Job No.: PING #4322

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 5V

Test item: Radiation Test

Date: 17/07/02/

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

Time:

EUT: Multimedia Speaker

Engineer Signature: PING

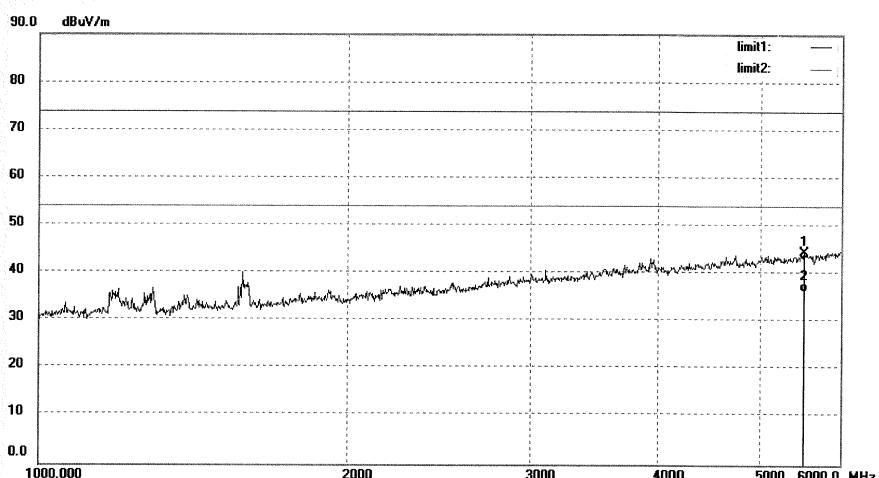
Mode: Charging

Distance: 3m

Model: M80

Manufacturer: EDIFIER

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5525.306	36.94	7.48	44.42	74.00	-29.58	peak			
2	5525.306	28.76	7.48	36.24	54.00	-17.76	AVG			

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 2.286mW (3.59dBm) only, which less than 4mW. Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 5.

Since maximum radiated power of the transmitter is 2.286mW<10mW, and the distance from EUT to human is $\geq 5\text{mm}$, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v06.

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