

Prüfbericht-Nr.: <i>Test Report No.:</i>	17039070 001	Auftrags-Nr.: <i>Order No.:</i>	164011441	Seite 1 von 90 <i>Page 1 of 90</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	25.02.2014	
Auftraggeber: <i>Client:</i>	Edifier International Limited, Room 2207-9, Tower Two, Lippo Centre 89 Queensway, Hong Kong			
Prüfgegenstand: <i>Test item:</i>	MULTIMEDIA SPEAKER			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	iF355BT, OnTheGo Connect (EDIFIER)			
Auftrags-Inhalt: <i>Order content:</i>	FCC Certification			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart B Section 15.107 RSS-210 Issue 8 December 2010 RSS-102 Issue 4 March 2010 ICES-003 Issue 5 August 2012			
CFR47 FCC Part 15: Subpart B Section 15.109	RSS-Gen Issue 3 December 2010	FCC KDB Publication 447498 v05r01		
Wareneingangsdatum: <i>Date of receipt:</i>	19.02.2014			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000038975-003			
Prüfzeitraum: <i>Testing period:</i>	21.02.2014 - 20.03.2014			
Ort der Prüfung: <i>Place of testing:</i>	Accurate Technology Co., Ltd. Neutron Engineering Inc.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by: 05.05.2014 Owen Tian/Project Manager		kontrolliert von / reviewed by: 05.05.2014 Winnie Hou/Technical Certifier		
Datum Date	Name / Stellung Name / Position	Unterschrift Signature	Datum Date	Name / Stellung Name / Position
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>			Details im vorherigen Abschnitt <i>Details in the previous section</i>	
<p>* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(fail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet</p> <p>Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(fail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested</p>				
<p>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.</p> <p><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></p>				

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TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 PEAK OUTPUT POWER

RESULT: Pass

5.1.3 20dB BANDWIDTH AND 99% BANDWIDTH

RESULT: Pass

5.1.4 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100kHz BANDWIDTH

RESULT: Pass

5.1.5 SPURIOUS EMISSION

RESULT: Pass

5.1.6 FREQUENCY SEPARATION

RESULT: Pass

5.1.7 NUMBER OF HOPPING FREQUENCY

RESULT: Pass

5.1.8 TIME OF OCCUPANCY

RESULT: Pass

5.1.9 RADIATED EMISSIONS

RESULT: Pass

5.1.10 CONDUCTED EMISSIONS

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 & Receiver spurious emissions				
Spectrum Analyzer	Agilent	E7405A	MY45115511	2015-01-11
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-11
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2015-01-11
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2015-01-11
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2015-01-11
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2015-01-11
Pre-Amplifier	Rohde & Schwarz	CBLU118354 0-01	3791	2015-01-11
Temp. & Humid. Chamber	Gongwen	HSD-500	0109	2015-01-11
Radio Spectrum Test				
EMI Test Receiver	Rohde & Schwarz	ESPI-3	100396/003	2015-01-11
Spectrum Analyzer	Agilent	E7405A	MY45115511	2015-01-11
Temp. & Humid. Chamber	Gongwen	HSD-500	0109	2015-01-11
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-11
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	2015-01-11
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	2015-01-11
50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	2015-01-11
Radiated Emission				
Spectrum Analyzer	Agilent	E7405A	MY45115511	2015-01-11
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-11
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2015-01-11
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2015-01-11
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2015-01-11
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2015-01-11
Pre-Amplifier	Rohde & Schwarz	CBLU118354 0-01	3791	2015-01-11
RF Coaxial Cable (966 Chamber) (for below 1GHz test)	Suhner	N-3m	No.8	2015-01-11
RF Coaxial Cable (966 Chamber) (for below 1GHz test)	Resenberger	N-3.5m	No.9	2015-01-11
RF Coaxial Cable (966 Chamber) (for below 1GHz test)	Suhner	N-6m	No.10	2015-01-11
RF Coaxial Cable (966 Chamber) (for above 1GHz test)	Resenberger	N-12m	No.11	2015-01-11
RF Coaxial Cable (966 Chamber) (for above 1GHz test)	Resenberger	N-0.5m	No.12	2015-01-11

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 12.75 GHz	< ± 4.42 dB
Radiated emission of receiver, valid up to 12.75 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 multimedia speaker 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 EUT

Technical Specification	Value
Kind of Equipment	MULTIMEDIA SPEAKER
Type Designation	iF355BT, OnTheGo Connect
Operating Frequency band	2402 – 2480MHz
Channel separation	1MHz
Extreme Temperature Range	-20~+45°C
Operation Voltage	DC 12V (via AC/DC adapter)
Modulation	GFSK, 8DPSK, π/4DQPSK
Bluetooth version	2.1 + EDR
Antenna Gain	1.11dBi

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Bluetooth mode
 - a. Transmitting
 - b. Receiving
 - 2. AUX input playing
 - 3. SD card playing
 - 4. FM playing
- B. Standby
- C. Off

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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: 2003.

According to clause 3.1, all tests were applied on model iF355BT only.

4.3 Special Accessories and Auxiliary Equipment

The EUTs were tested together with the following accessories:

Description	Manufacturer	Part No.	S/N	Rating
iPod	Apple	A1238	8K039T1Y9ZU	---
Mobilephone	SAMSUNG	GT-I9300	---	---
AC/DC adapter	Edifier	ADT-20120 EU	---	Input: AC 100-240V, 50/60Hz, 0.7A; Output: DC 12V, 1.65A

The EUTs were tested with following cables:

Interface(s)/Port(s):	Max. cable length, shielding	Cable classification
AC Mains of Adapter	2 cores, non-shielded port, 3m	AC Power Input
DC input of EUT	2 cores, non-shielded port, 3m	DC Power Input
Line input	2 cores, non-shielded port, 3m	Audio Input
DC output port (USB port)	2 cores, non-shielded port, 3m	DC Power Output
Micro SD slot	---	---

4.4 Countermeasures to achieve EMC Compliance

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

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

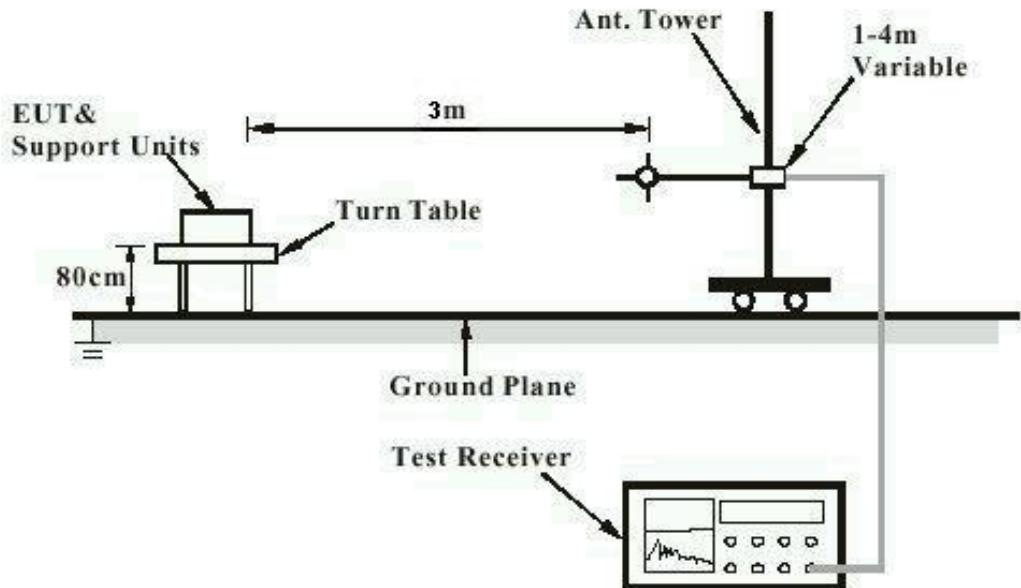
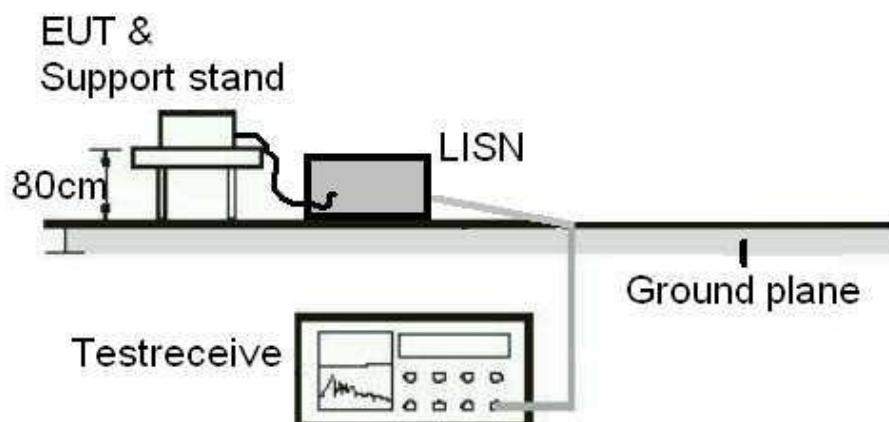


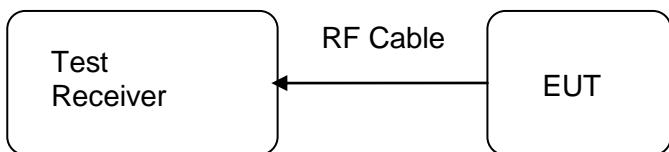
Diagram of Measurement Equipment Configuration for Conduction Measurement



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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	:	FCC Part 15.247(b)(4) and Part 15.203 RSS-Gen 7.1.4
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 1.11dBi, hence the EUT is considered sufficient to comply with the provision.

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5.1.2 Peak Output Power

RESULT:
Pass

Test date	:	2014-02-27
Test standard	:	FCC Part 15.247(b)(1) RSS-210 A8.4(2)
Basic standard	:	ANSI C63.4: 2003
Limit	:	125mW/20dBm
Kind of test site	:	Shielded room

Test setup

Test channel	:	Low/ Middle/ High
Operation mode	:	A.1.a
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

Table 4: Test result of Peak Output Power

Channel	Channel Frequency (MHz)	Peak Output Power (dBm)		Limit (dBm)
		BDR	EDR	
Low Channel	2402	0.89	2.09	20
Middle Channel	2441	0.17	1.45	20
High Channel	2480	-1.27	0.04	20

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*Test Report No.*Seite 15 von 90
Page 15 of 90**5.1.3 20dB Bandwidth and 99% Bandwidth****RESULT:****Pass**

Date of testing : 2014-03-15
Test standard : FCC Part 15.247(a)(1)
Basic standard : RSS-210 A8.1(a)
Kind of test site : ANSI C63.4: 2003
 : Shielded room

Test setup

Test channel : Low/ Middle/ High
Operation mode : A.1.a
Ambient temperature : 25°C
Relative humidity : 52%
Atmospheric pressure : 101kPa

Table 5: Test result of 20dB & 99% Bandwidth

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)		99% Bandwidth (MHz)	
		BDR	EDR	BDR	EDR
Low Channel	2402	0.830	1.296	0.954	1.224
Mid Channel	2441	0.886	1.270	0.942	1.218
High Channel	2480	0.888	1.272	0.948	1.212

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5.1.4 Conducted Spurious Emissions measured in 100kHz Bandwidth

RESULT:

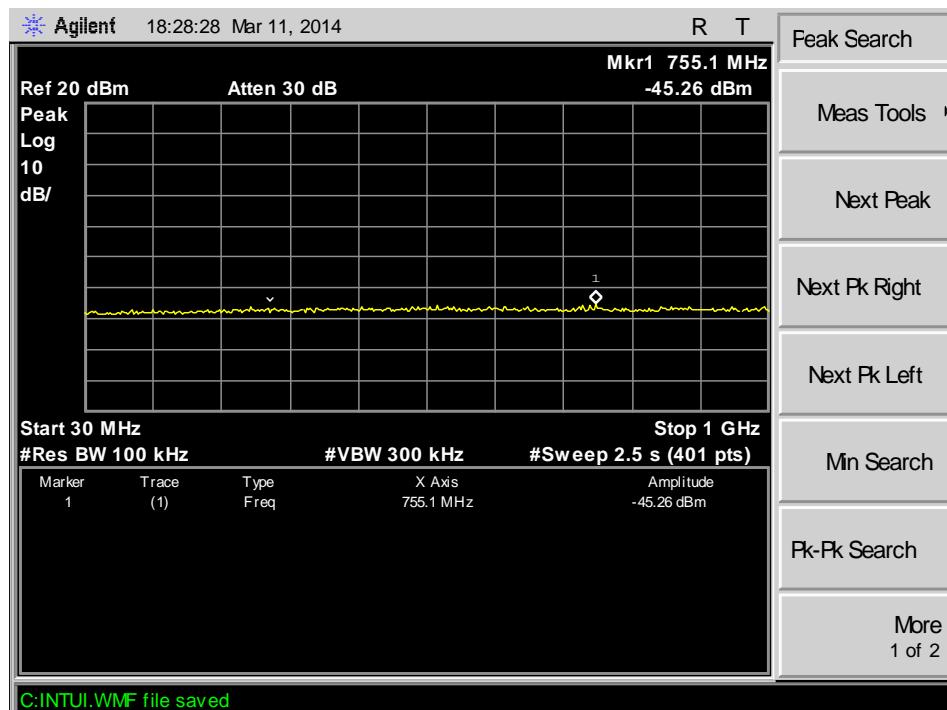
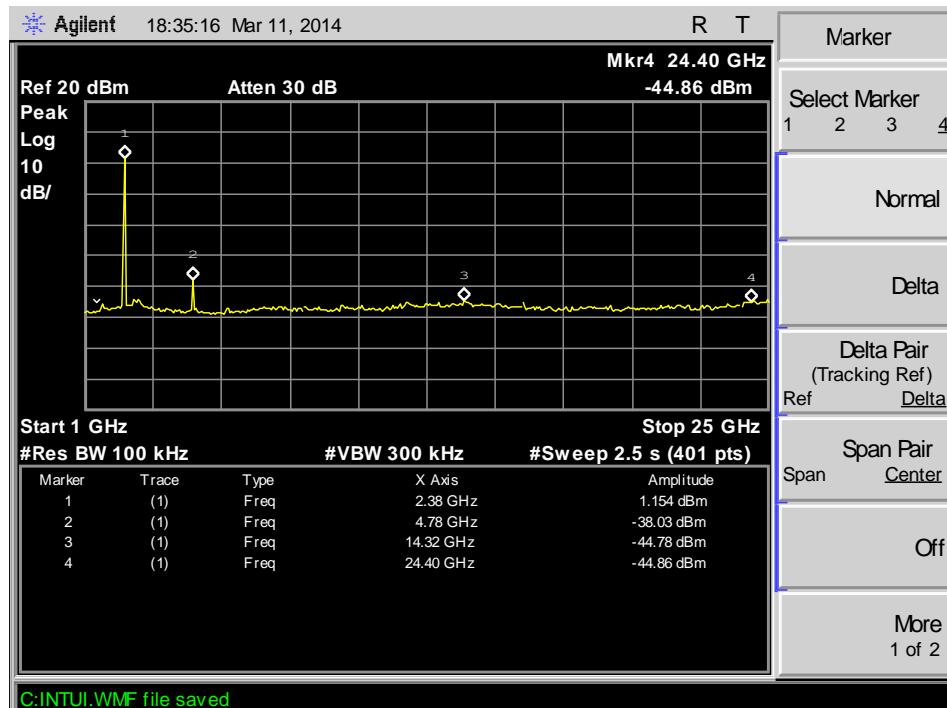
Pass

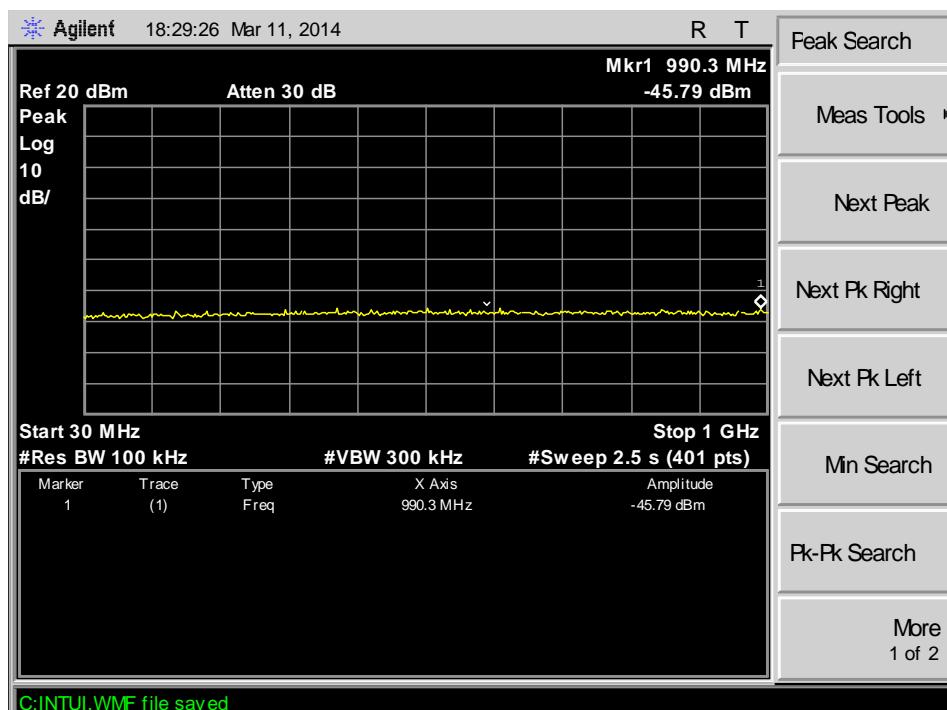
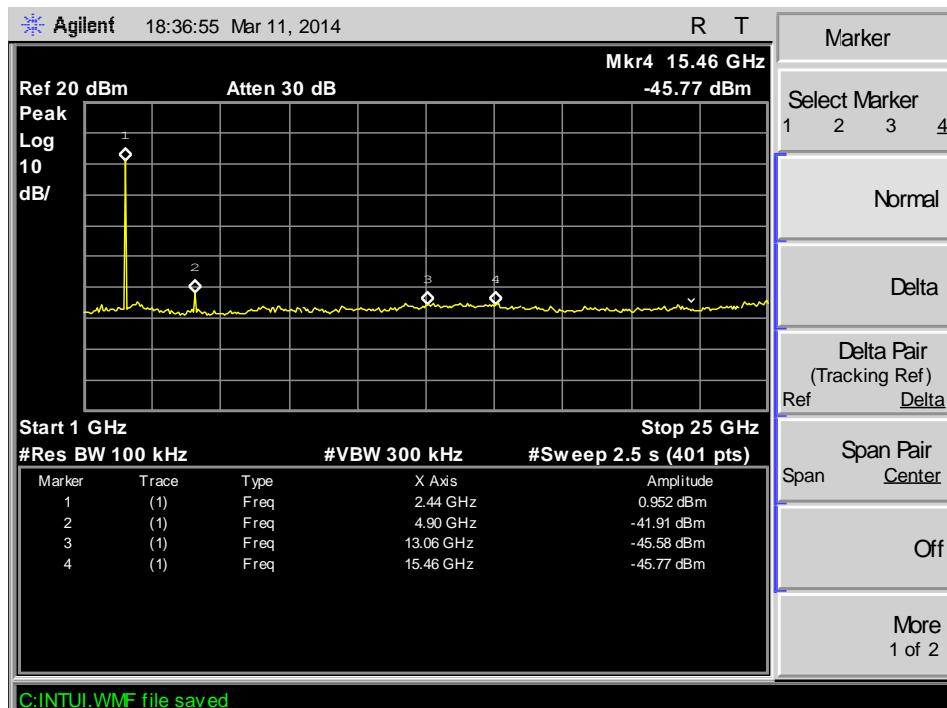
Date of testing	:	2014-03-11
Test standard	:	FCC part 15.247(d) RSS-210 A8.5
Basic standard	:	ANSI C63.4: 2003
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power);
Kind of test site	:	Shield room

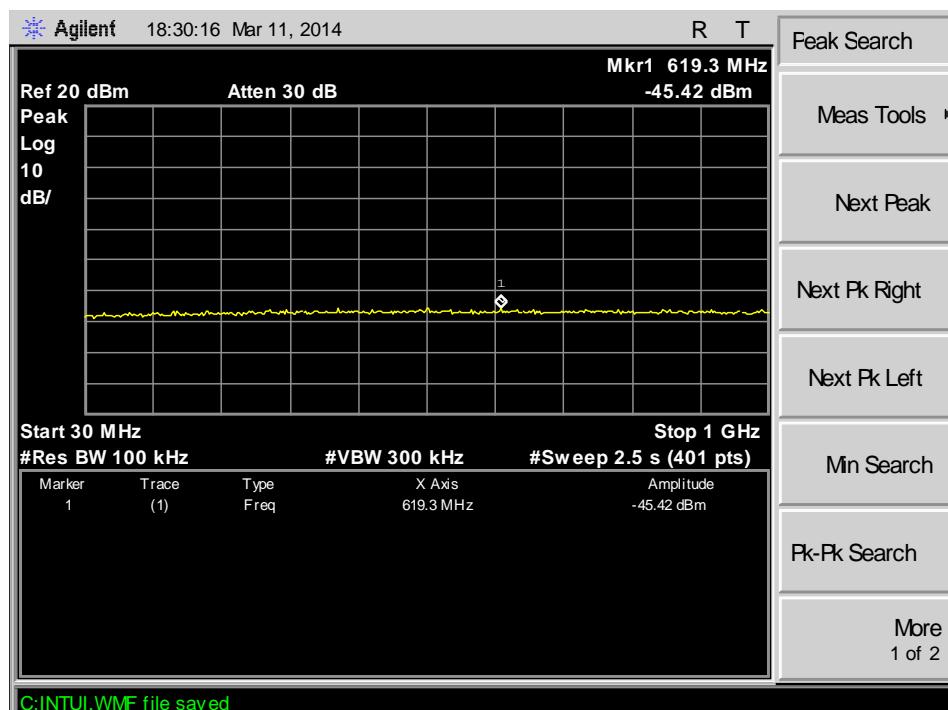
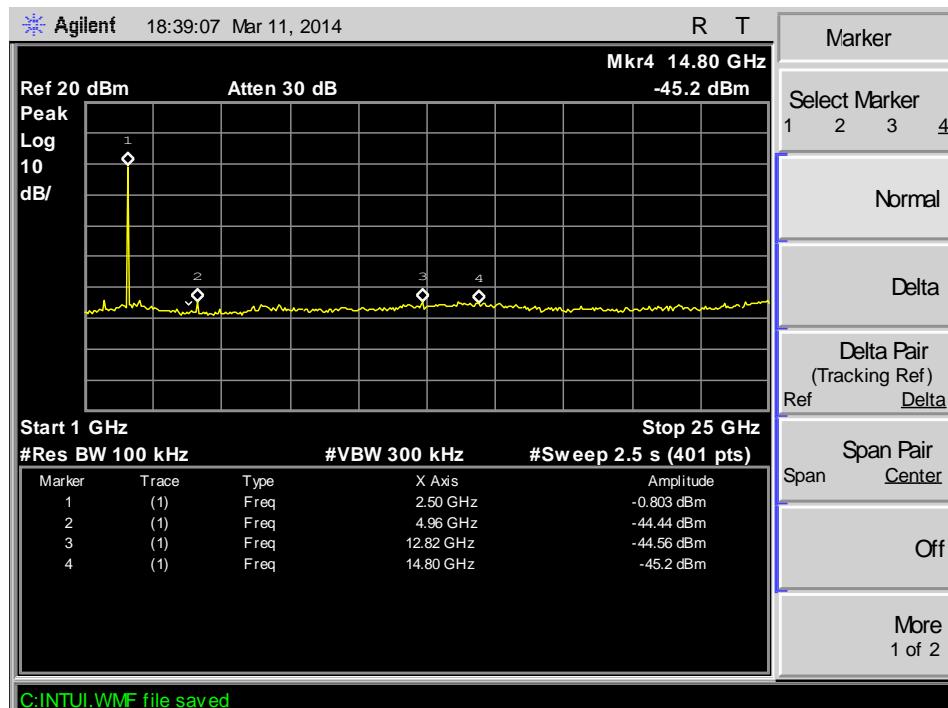
Test setup

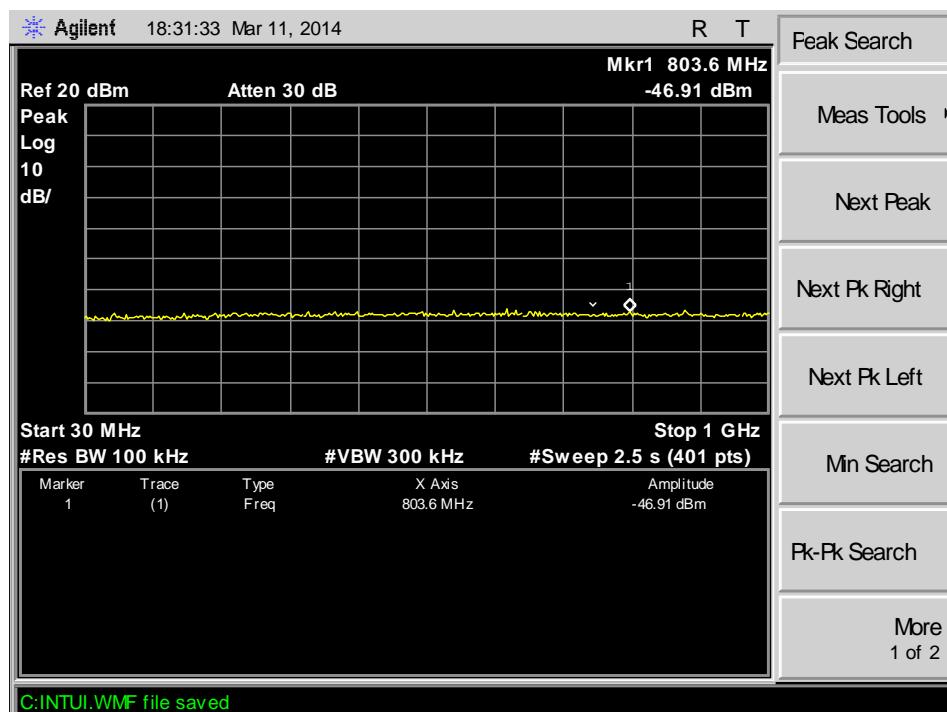
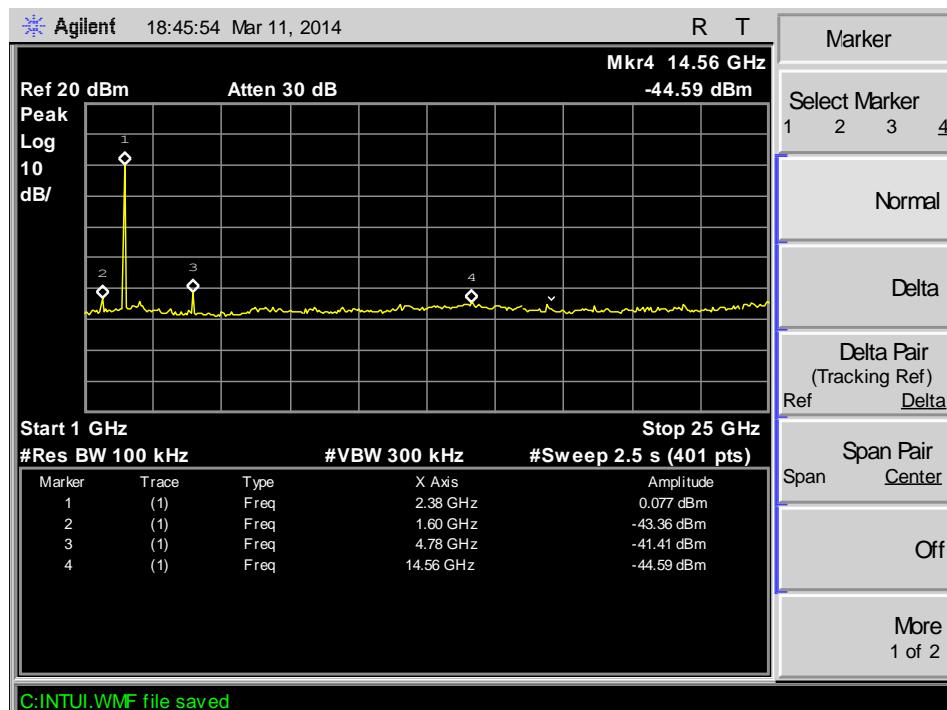
Test channel	:	Low/ Middle/ High
Operation mode	:	A.1.a
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

All emissions are more than 20dB below fundamental, details refer to following test plot, and compliance is achieved as well.

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


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Middle Channel


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High Channel


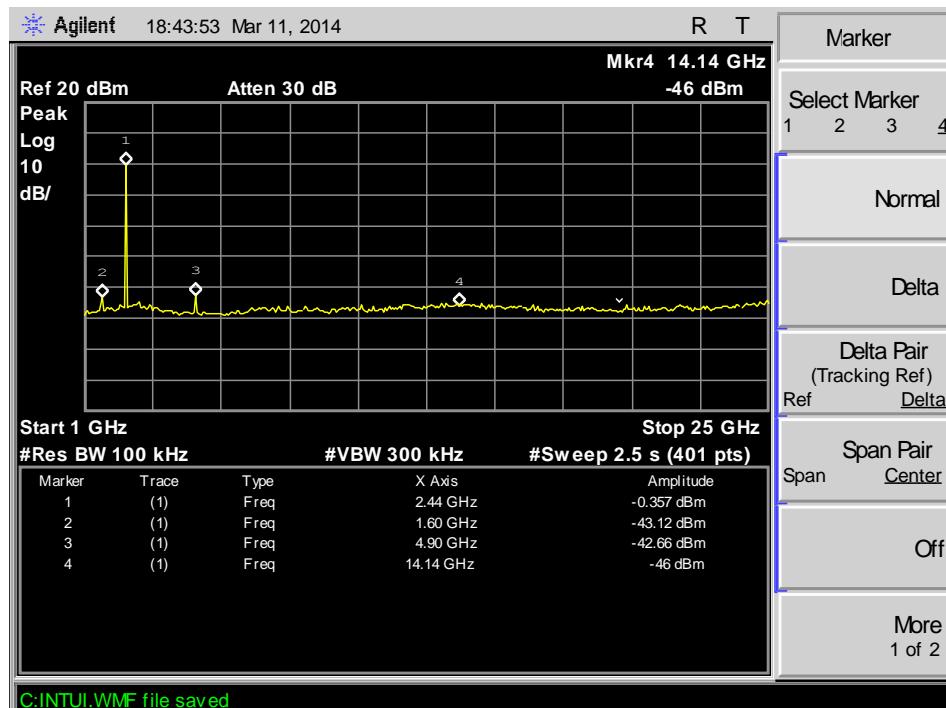
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**Test Plot of Conducted spurious emissions measured in
100kHz Bandwidth of EDR mode**
Low Channel


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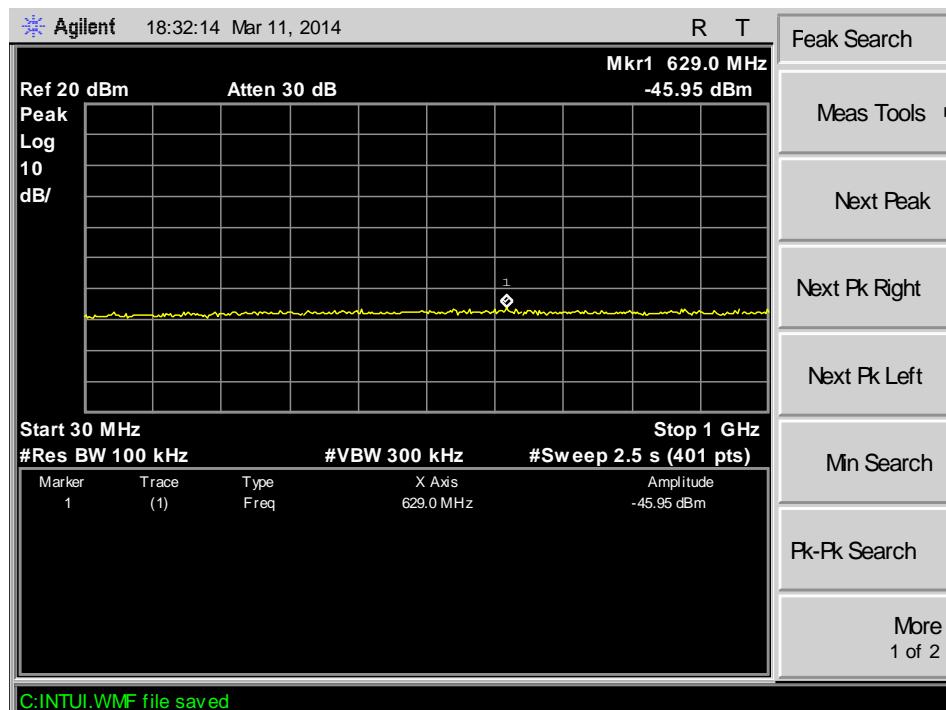
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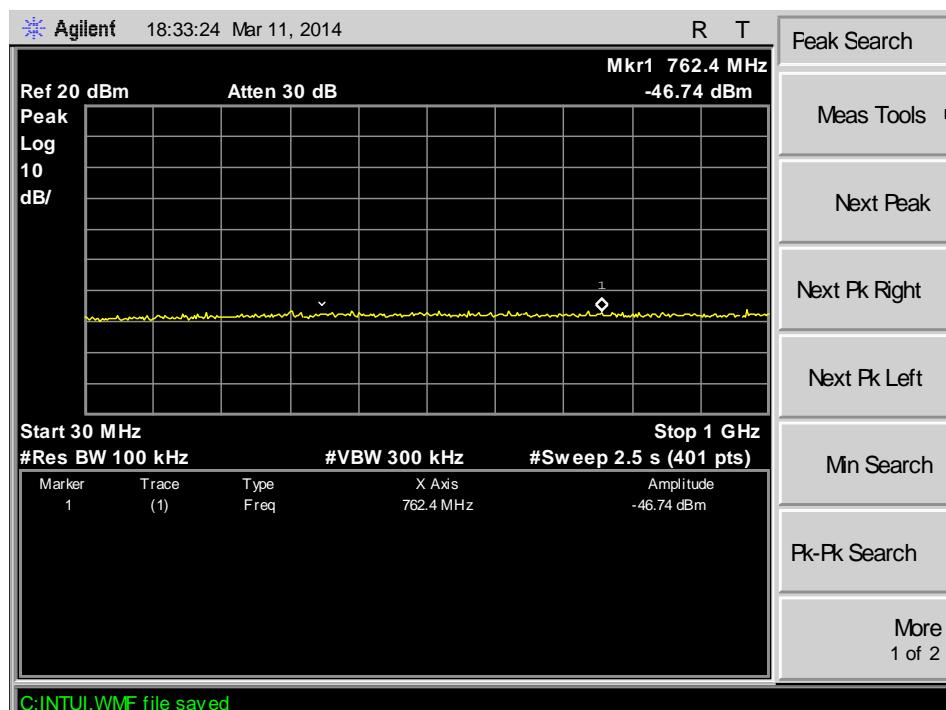
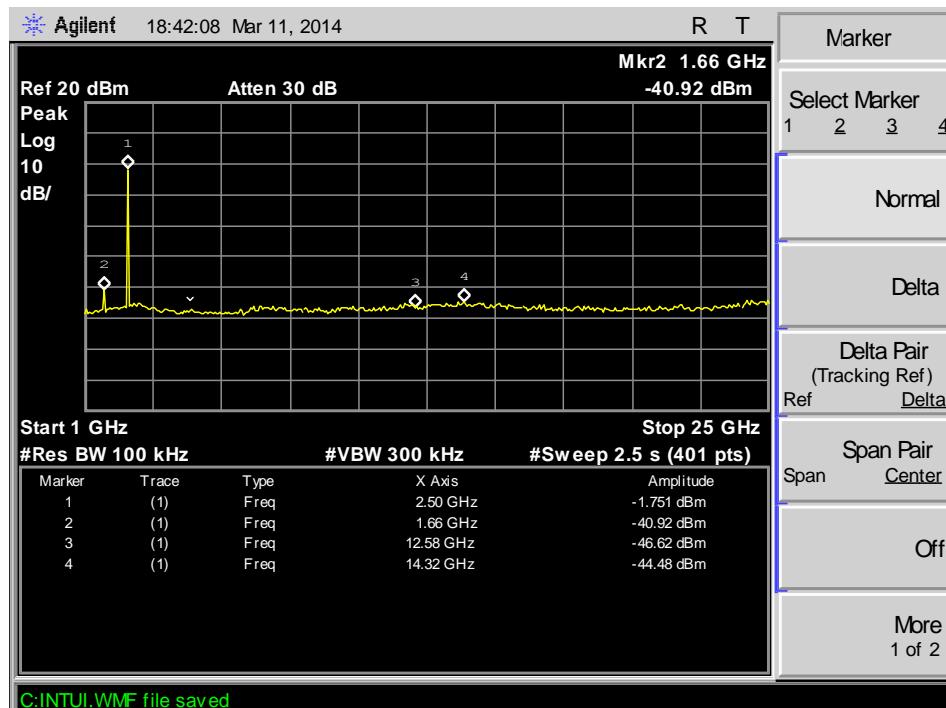
Middle Channel

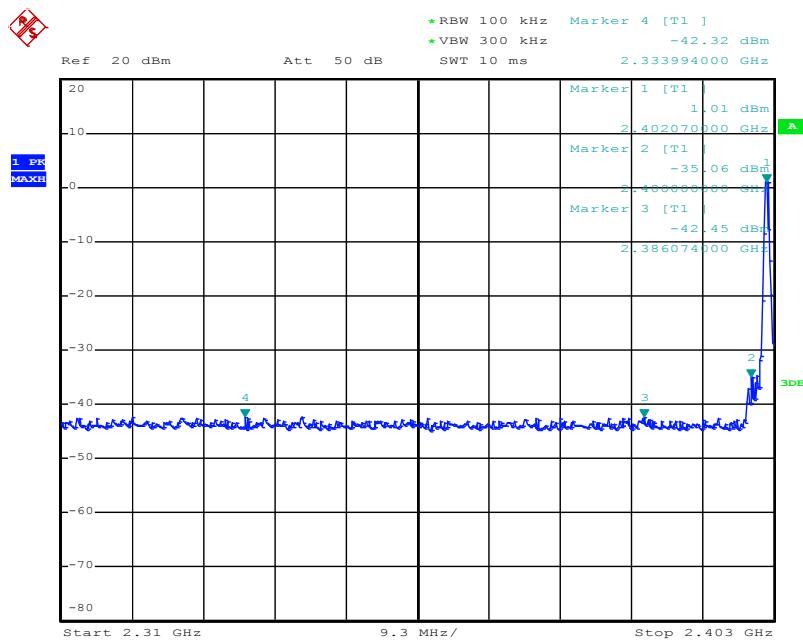


- Marker
- Select Marker
 - 1
 - 2
 - 3
 - 4
- Normal
- Delta
- Delta Pair (Tracking Ref)
 - Ref
 - Delta
- Span Pair
 - Span
 - Center
- Off
- More
 - 1 of 2

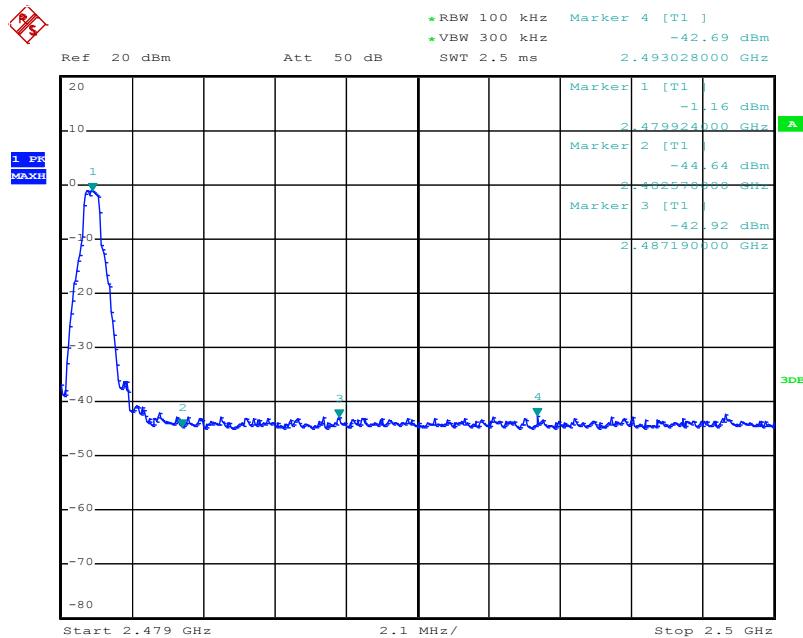


- Peak Search
- Meas Tools ▾
- Next Peak
- Next Pk Right
- Next Pk Left
- Min Search
- Pk-Pk Search
- More
 - 1 of 2

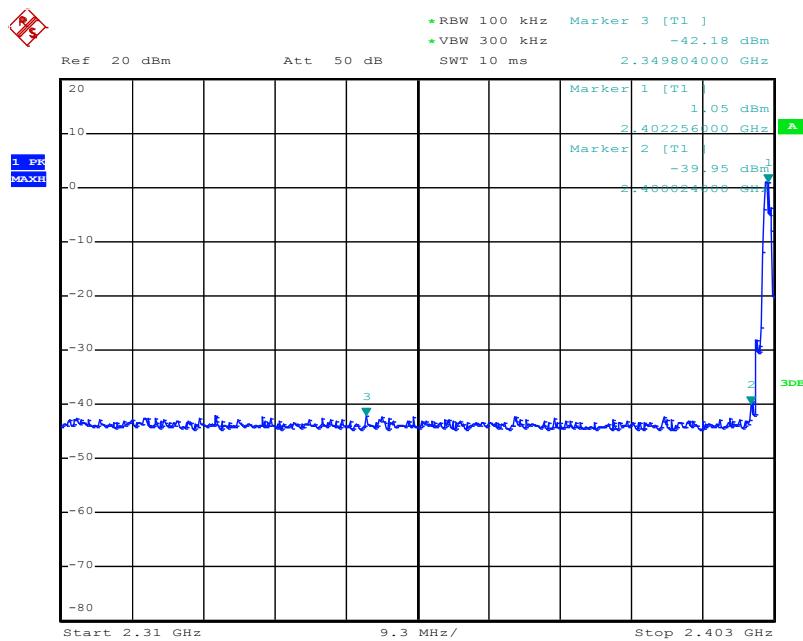
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High Channel


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Test Plot of 100 kHz Bandwidth of Frequency Band Edge of BDR mode
Low Channel


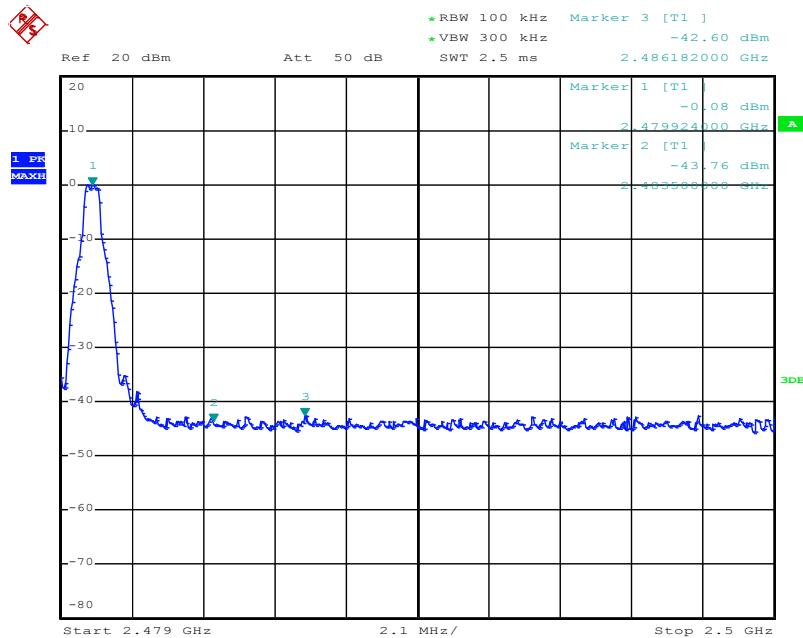
Date: 27.FEB.2014 18:40:55

High Channel


Date: 27.FEB.2014 18:39:09

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Test Plot of 100 kHz Bandwidth of Frequency Band Edge of EDR mode
Low Channel


Date: 3.MAR.2014 11:43:55

High Channel


Date: 3.MAR.2014 11:46:31

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5.1.5 Spurious Emission

RESULT:

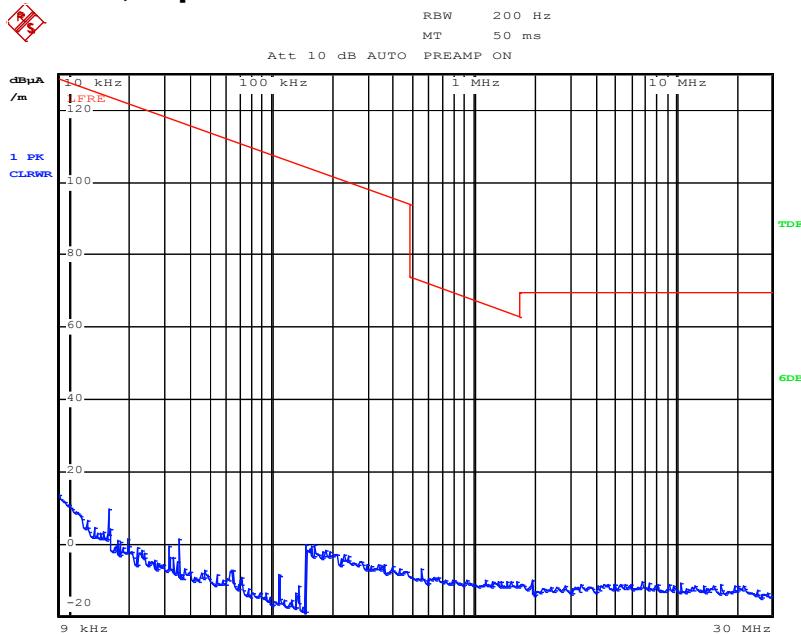
Pass

Date of testing : 2014-02-27
Test standard : FCC part 15.247(d)
Basic standard : RSS-210 Clause 2.2
Limits : ANSI C63.4: 2003
Kind of test site : FCC part 15.209(a)
3m Semi-Anechoic Chamber

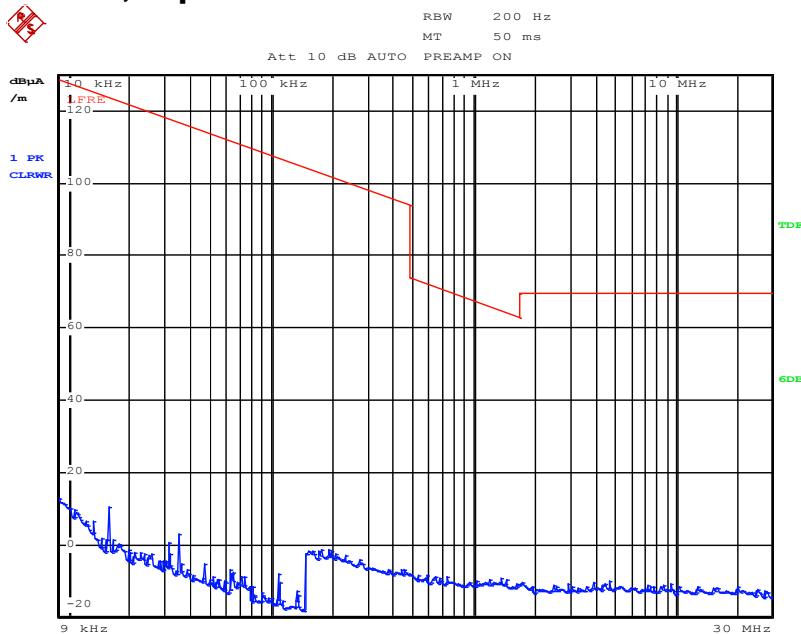
Test setup

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

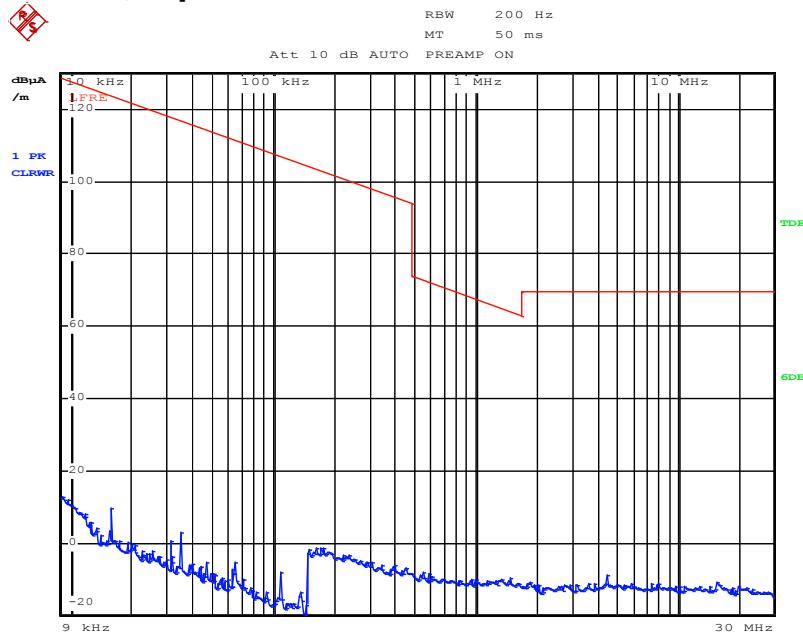
For details refer to following test plot.

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**Test Plot of Spurious Emission of transmitter
Low channel, X polarization:**


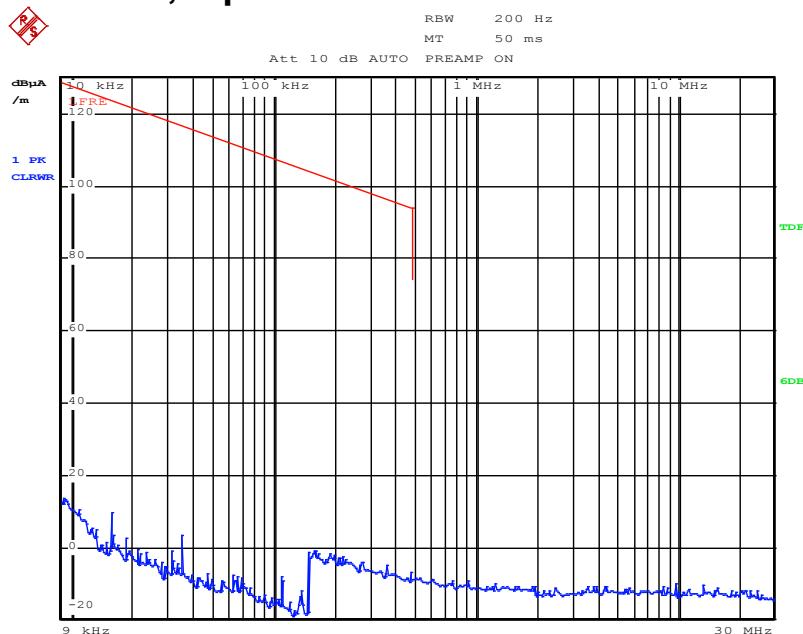
Date: 27.FEB.2014 09:32:03

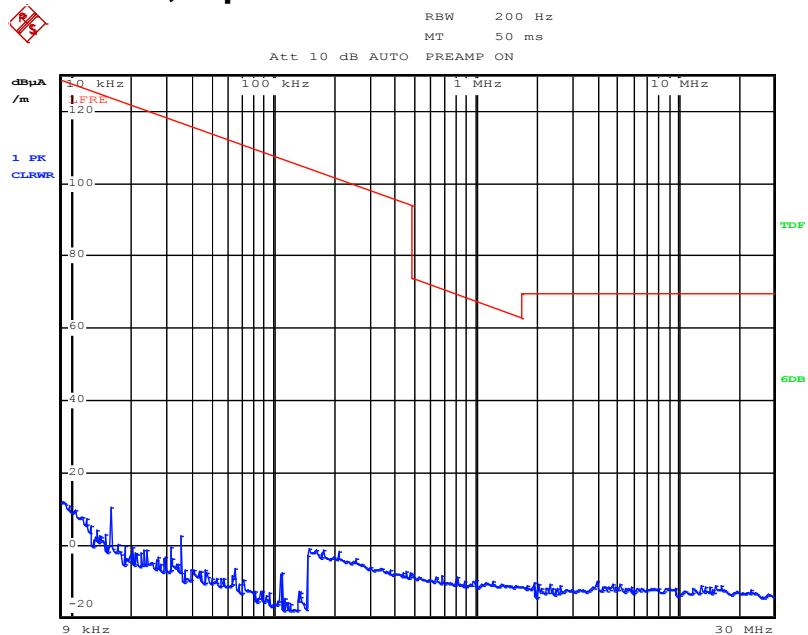
Low channel, Y polarization:


Date: 27.FEB.2014 09:34:16

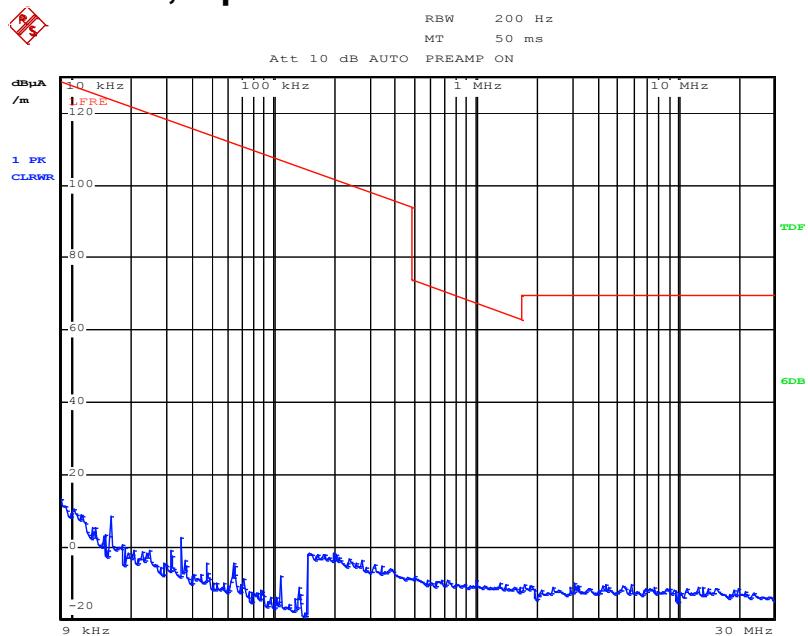
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Low channel, Z polarization:


Date: 27.FEB.2014 09:36:30

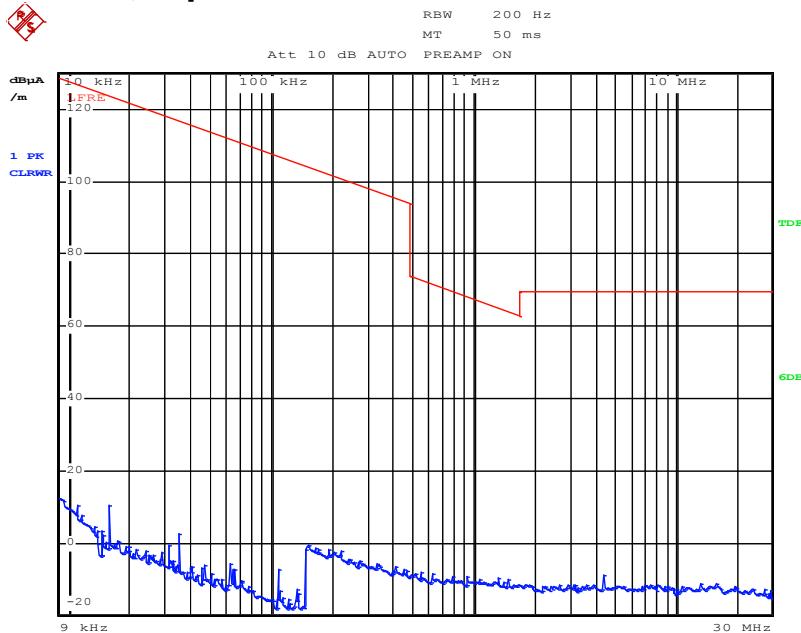
Middle channel, X polarization:


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Middle channel, Y polarization:


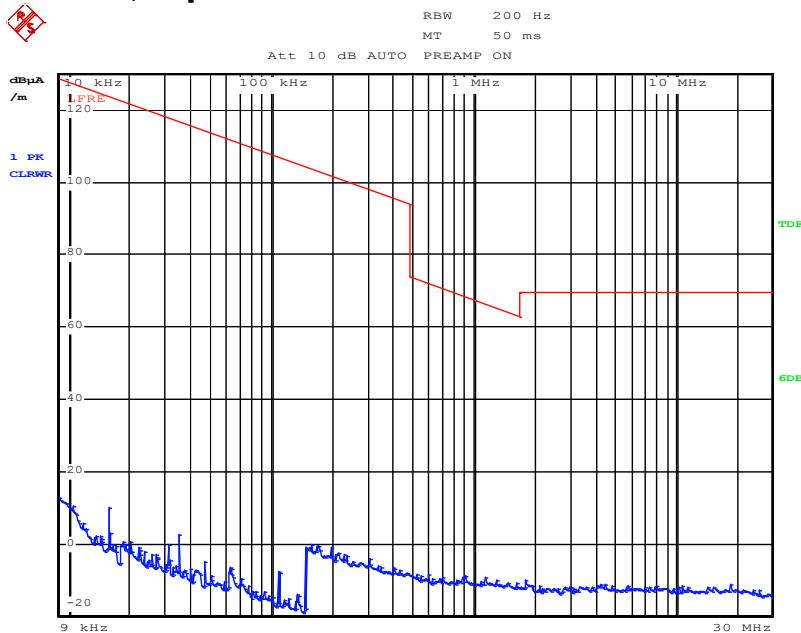
Date: 27.FEB.2014 09:43:08

Middle channel, Z polarization:


Date: 27.FEB.2014 09:45:28

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High channel, X polarization:


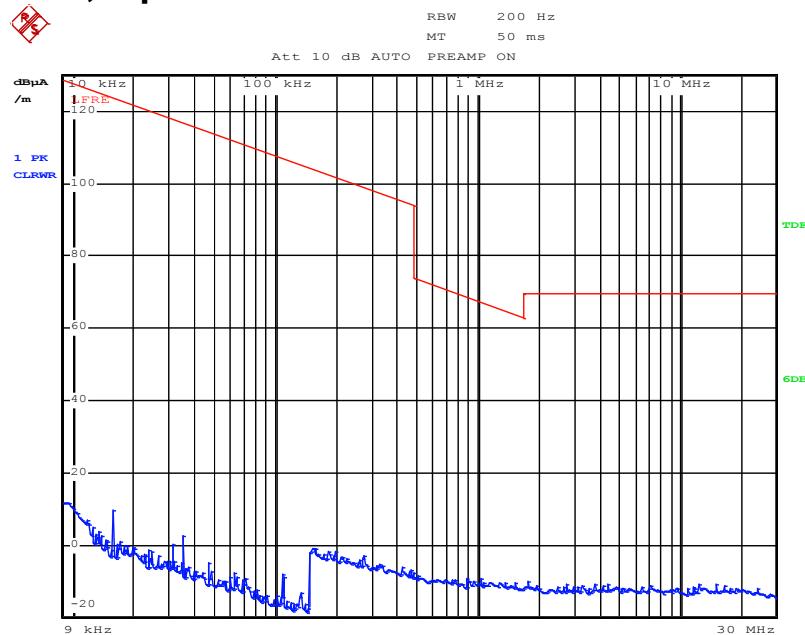
Date: 27.FEB.2014 09:47:46

High channel, Y polarization:


Date: 27.FEB.2014 09:49:59

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High channel, Z polarization:



Date: 27.FEB.2014 09:52:13

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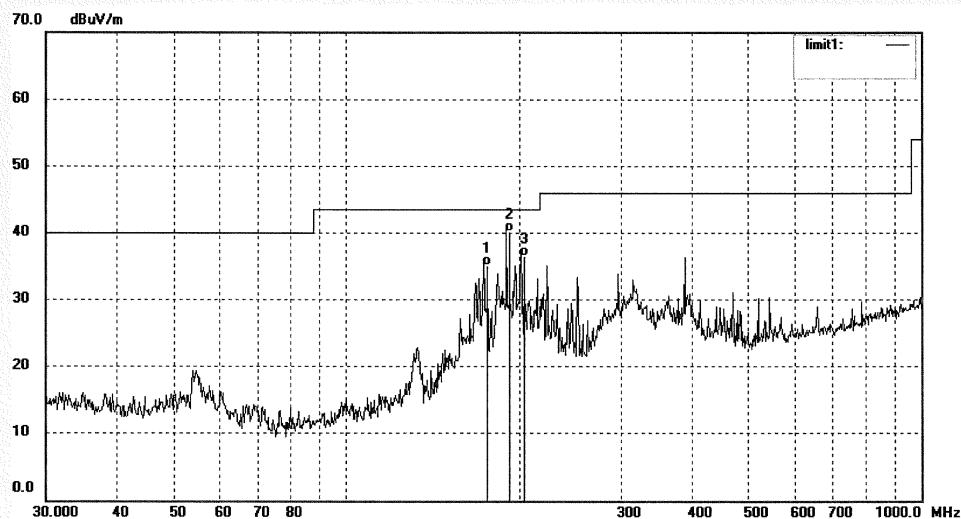
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1886	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/02/24/
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 8/31/34
EUT: Multimedia Speaker	Engineer Signature: ALEN
Mode: TX 2402MHz	Distance: 3m
Model: iF355BT	
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	175.5975	48.78	-13.62	35.16	43.50	-8.34	QP			
2	192.0037	52.78	-12.58	40.20	43.50	-3.30	QP			
3	203.7472	48.75	-12.33	36.42	43.50	-7.08	QP			

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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1887

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/02/24

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

Time: 8/40/46

EUT: Multimedia Speaker

Engineer Signature: ALEN

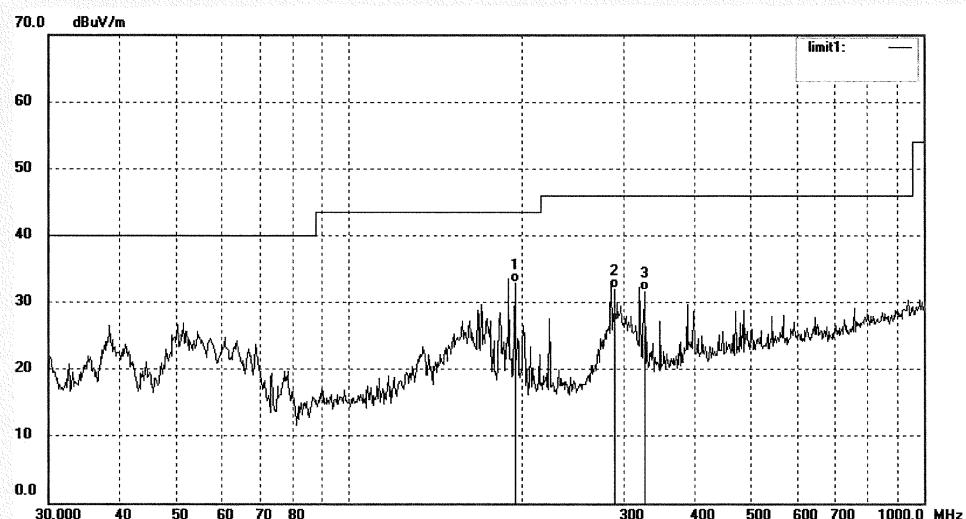
Mode: TX 2402MHz

Distance: 3m

Model: iF355BT

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	191.8890	45.56	-12.58	32.98	43.50	-10.52	QP			
2	288.6540	41.71	-9.61	32.10	46.00	-13.90	QP			
3	322.6170	40.36	-8.64	31.72	46.00	-14.28	QP			

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1889

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/02/24

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

Time: 8/55/52

EUT: Multimedia Speaker

Engineer Signature: ALEN

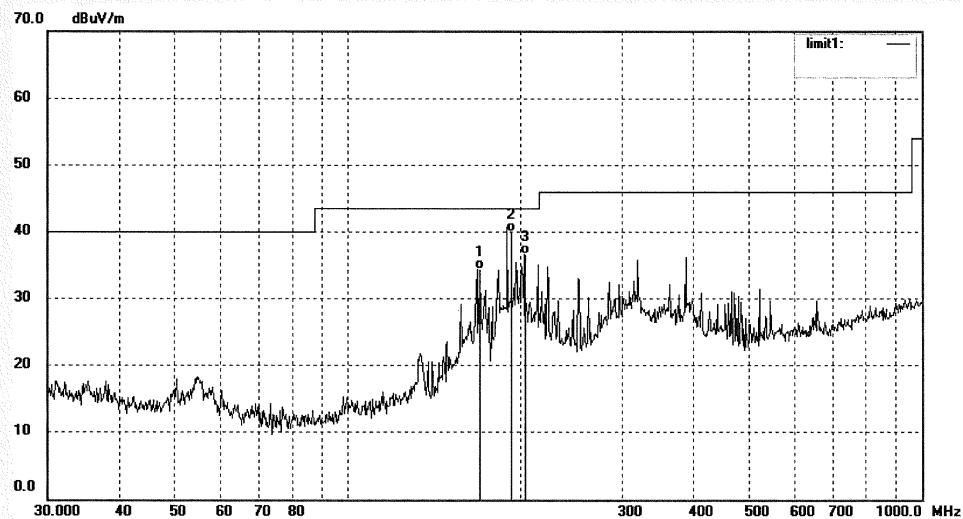
Mode: TX 2441MHz

Distance: 3m

Model: iF355BT

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	170.3560	48.11	-13.68	34.43	43.50	-9.07	QP			
2	191.5399	52.57	-12.59	39.98	43.50	-3.52	QP			
3	205.6710	48.89	-12.27	36.62	43.50	-6.88	QP			

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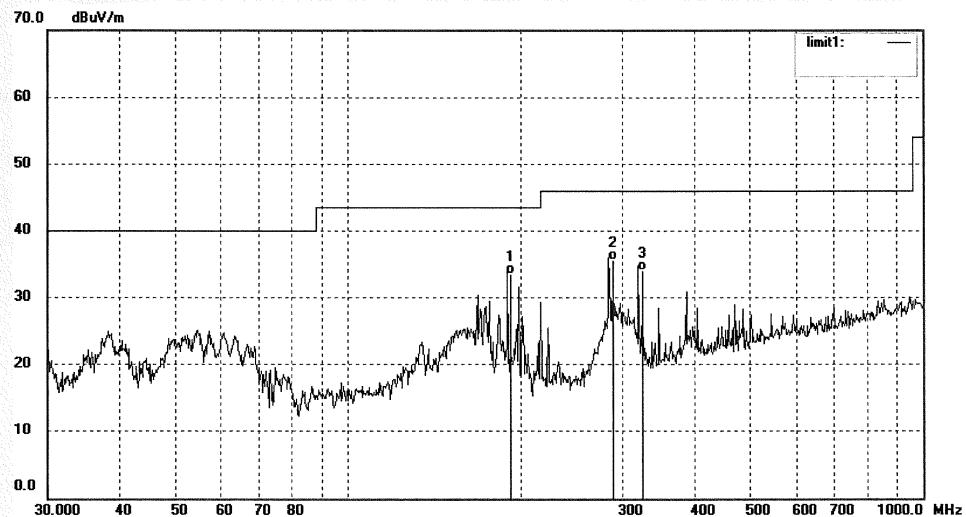
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1888	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/02/24/
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 8/47/44
EUT: Multimedia Speaker	Engineer Signature: Allen
Mode: TX 2441MHz	Distance: 3m
Model: iF355BT	
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	192.0420	46.15	-12.58	33.57	43.50	-9.93	QP			
2	287.7800	45.16	-9.62	35.54	46.00	-10.46	QP			
3	322.6840	42.65	-8.64	34.01	46.00	-11.99	QP			

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1890

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/02/24

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

Time: 9/03/22

EUT: Multimedia Speaker

Engineer Signature: ALEN

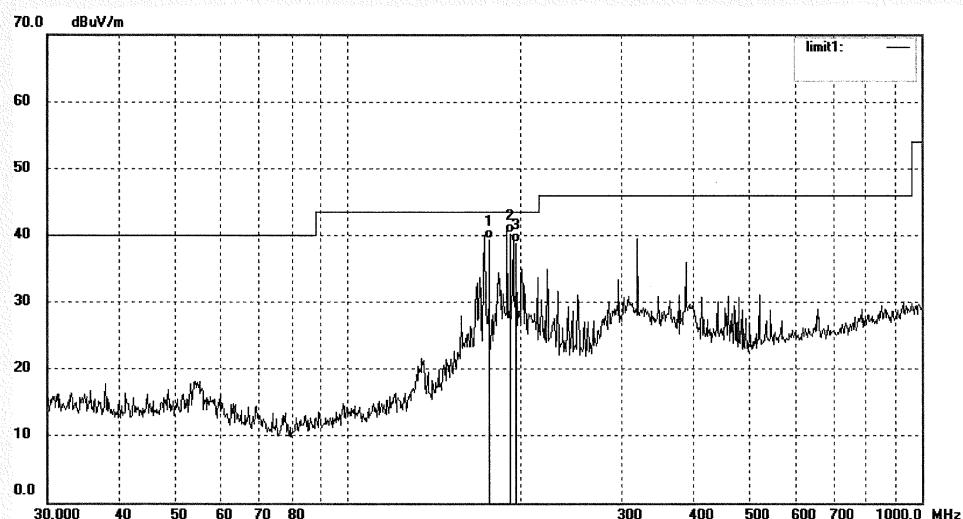
Mode: TX 2480MHz

Distance: 3m

Model: iF355BT

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	175.3560	53.07	-13.62	39.45	43.50	-4.05	QP			
2	191.6250	53.00	-12.59	40.41	43.50	-3.09	QP			
3	196.2140	51.36	-12.46	38.90	43.50	-4.60	QP			

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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1891

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/02/24/

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

Time: 9/12/36

EUT: Multimedia Speaker

Engineer Signature: ALEN

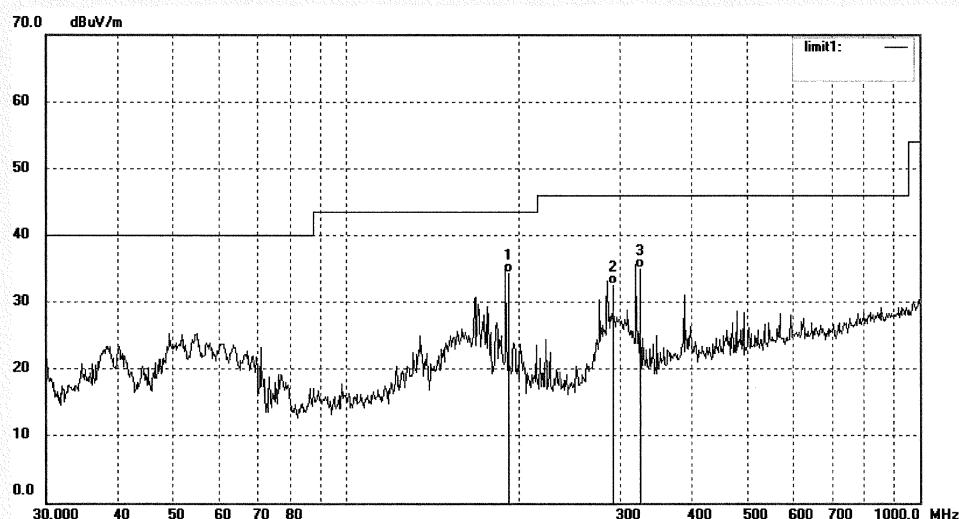
Mode: TX 2480MHz

Distance: 3m

Model: iF355BT

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	191.8696	46.94	-12.58	34.36	43.50	-9.14	QP			
2	288.6540	42.19	-9.61	32.58	46.00	-13.42	QP			
3	322.7020	43.68	-8.64	35.04	46.00	-10.96	QP			

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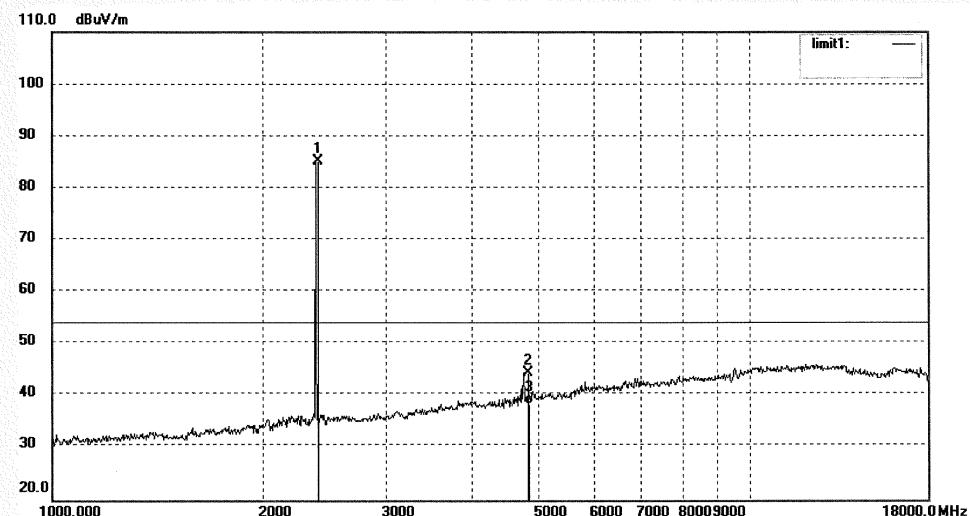
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1899	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/02/24/
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 10/25/01
EUT: Multimedia Speaker	Engineer Signature: Alen
Mode: TX 2402MHz	Distance: 3m
Model: iF355BT	
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	92.66	-7.45	85.21	/	/	peak			
2	4803.957	44.71	-0.30	44.41	74.00	-29.59	peak			
3	4803.957	38.54	-0.30	38.24	54.00	-15.76	AVG			

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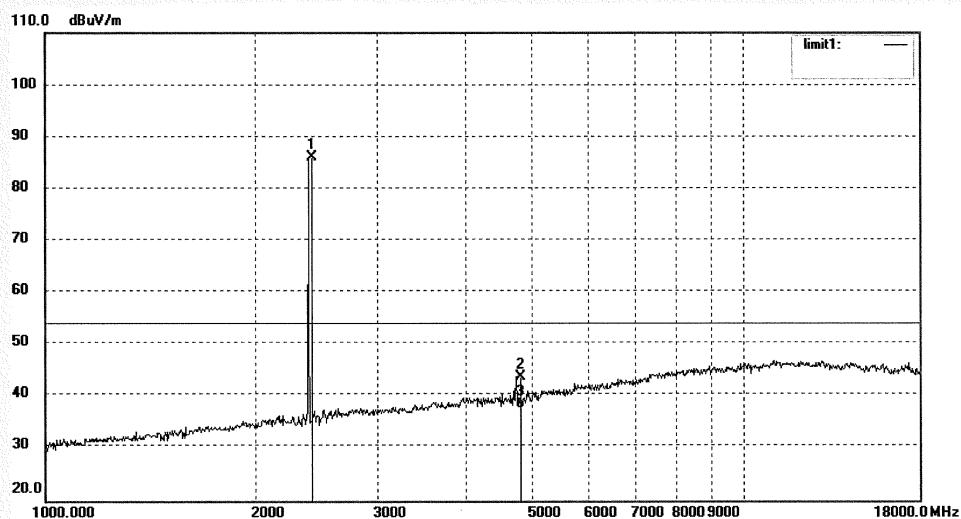
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1898	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/02/24/
Temp. (C)/Hum.(%) 23 C / 48 %	Time: 10/14/39
EUT: Multimedia Speaker	Engineer Signature: ALEN
Mode: TX 2402MHz	Distance: 3m
Model: iF355BT	
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	93.53	-7.45	86.08	/	/	peak			
2	4803.957	43.99	-0.30	43.69	74.00	-30.31	peak			
3	4803.957	37.94	-0.30	37.64	54.00	-16.36	AVG			

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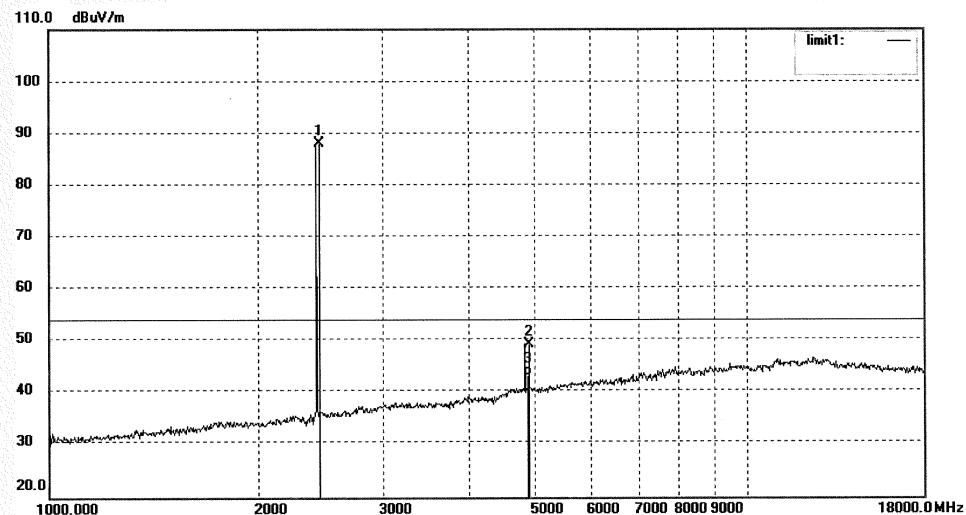
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1900	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/02/24/
Temp. (C)/Hum.(%) 23 C / 48 %	Time: 10/36/46
EUT: Multimedia Speaker	Engineer Signature: ALEN
Mode: TX 2441MHz	Distance: 3m
Model: iF355BT	
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	95.32	-7.35	87.97	/	/	peak			
2	4882.024	49.32	0.14	49.46	74.00	-24.54	peak			
3	4882.024	43.15	0.14	43.29	54.00	-10.71	AVG			

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ACCURATE TECHNOLOGY CO., LTD.

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

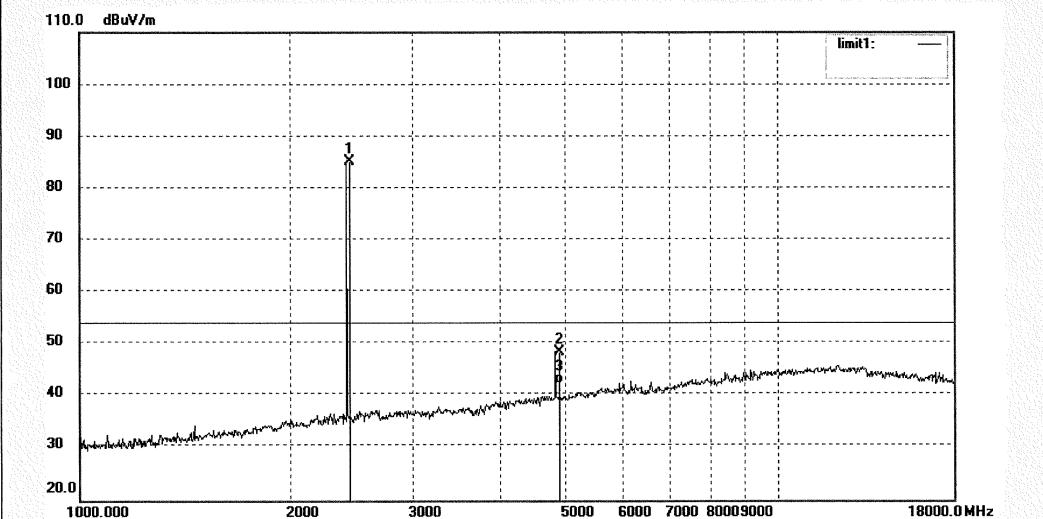
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1901	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/02/24/
Temp. (C)/Hum.(%) 23 C / 48 %	Time: 10/47/06
EUT: Multimedia Speaker	Engineer Signature: ALEN
Mode: TX 2441MHz	Distance: 3m
Model: iF355BT	
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	92.54	-7.35	85.19	/	/	peak			
2	4882.032	48.41	0.14	48.55	74.00	-25.45	peak			
3	4882.032	42.32	0.14	42.46	54.00	-11.54	AVG			

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ACCURATE TECHNOLOGY CO., LTD.

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

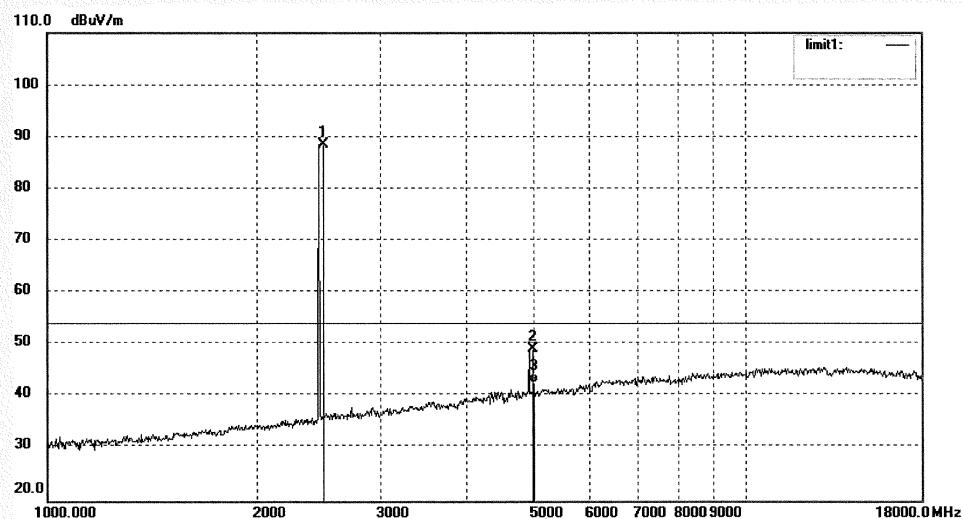
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1903	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/02/24/
Temp. (C)/Hum.(%) 23 C / 48 %	Time: 11/11/10
EUT: Multimedia Speaker	Engineer Signature: ALEN
Mode: TX 2480MHz	Distance: 3m
Model: iF355BT	
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	95.89	-7.37	88.52	/	/	peak			
2	4960.030	48.68	0.52	49.20	74.00	-24.80	peak			
3	4960.030	42.13	0.52	42.65	54.00	-11.35	AVG			

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ACCURATE TECHNOLOGY CO., LTD.

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

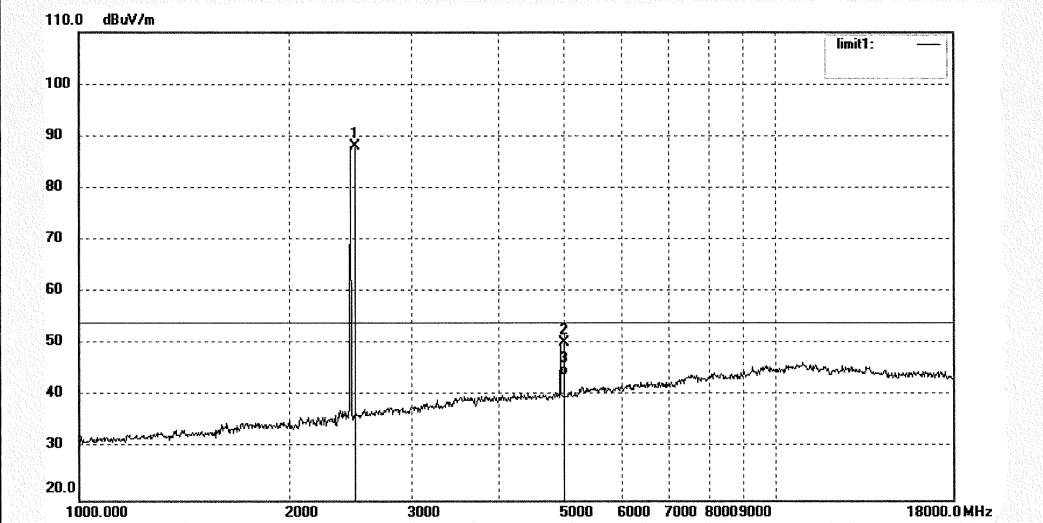
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1902	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/02/24/
Temp. (C)/Hum.(%) 23 C / 48 %	Time: 10/59/35
EUT: Multimedia Speaker	Engineer Signature: ALEN
Mode: TX 2480MHz	Distance: 3m
Model: iF355BT	
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	95.35	-7.37	87.98	/	/	peak			
2	4960.025	49.70	0.52	50.22	74.00	-23.78	peak			
3	4960.025	43.46	0.52	43.98	54.00	-10.02	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.: ALEN #1922

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/02/27

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

Time: 9/34/36

EUT: Multimedia Speaker

Engineer Signature: PEI

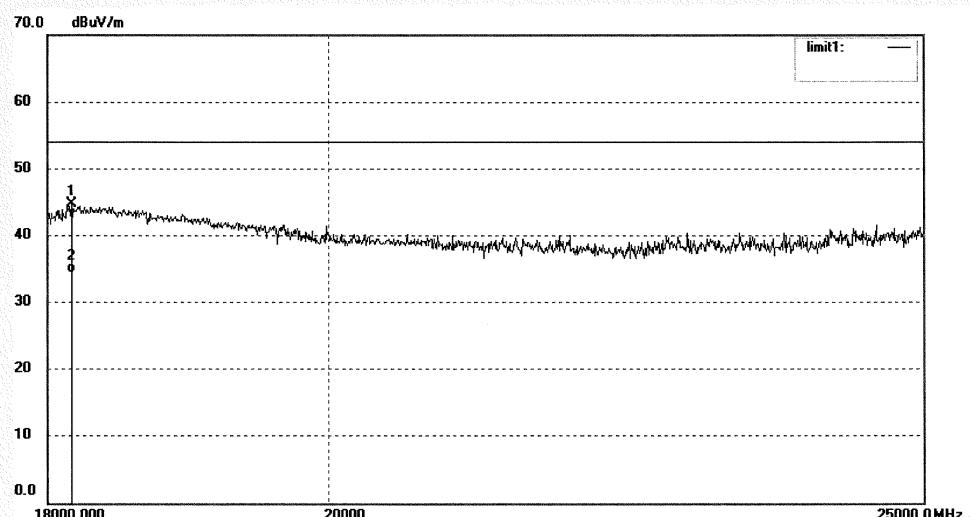
Mode: TX 2402MHz

Distance: 3m

Model: iF355BT

Manufacturer: EDIFIER

Note:



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ACCURATE TECHNOLOGY CO., LTD.

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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1923

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/02/27/

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

Time: 9/42/24

EUT: Multimedia Speaker

Engineer Signature: PEI

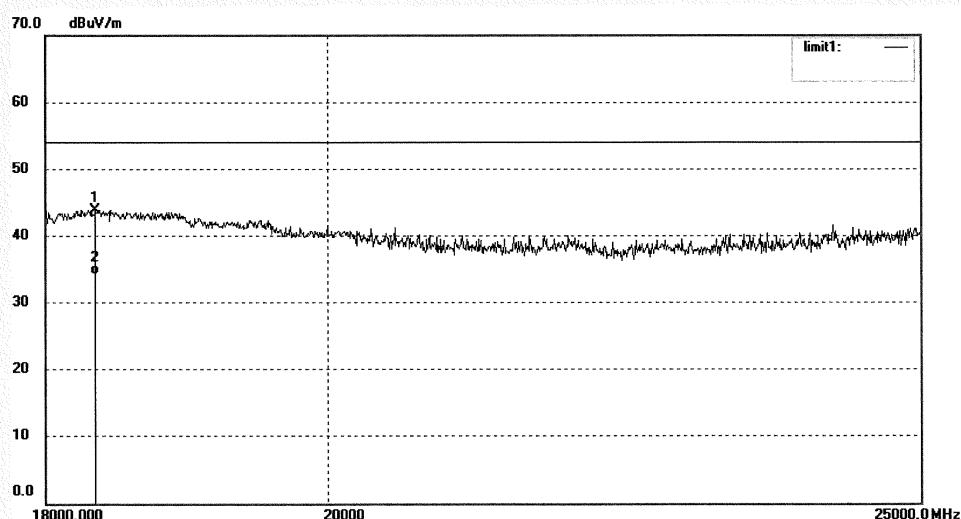
Mode: TX 2402MHz

Distance: 3m

Model: iF355BT

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	18341.269	27.01	16.85	43.86	74.00	-30.14	peak			
2	18341.269	17.35	16.85	34.20	54.00	-19.80	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

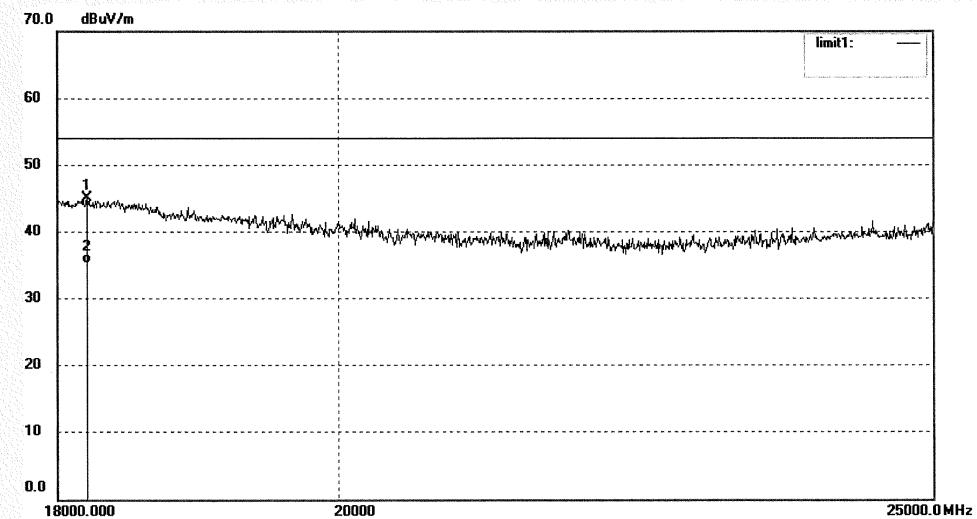
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1925	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/02/27/
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 10/02/24
EUT: Multimedia Speaker	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: iF355BT	
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	18202.420	28.49	16.55	45.04	74.00	-28.96	peak			
2	18202.420	18.69	16.55	35.24	54.00	-18.76	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.: ALEN #1924

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/02/27/

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

Time: 9/53/31

EUT: Multimedia Speaker

Engineer Signature: PEI

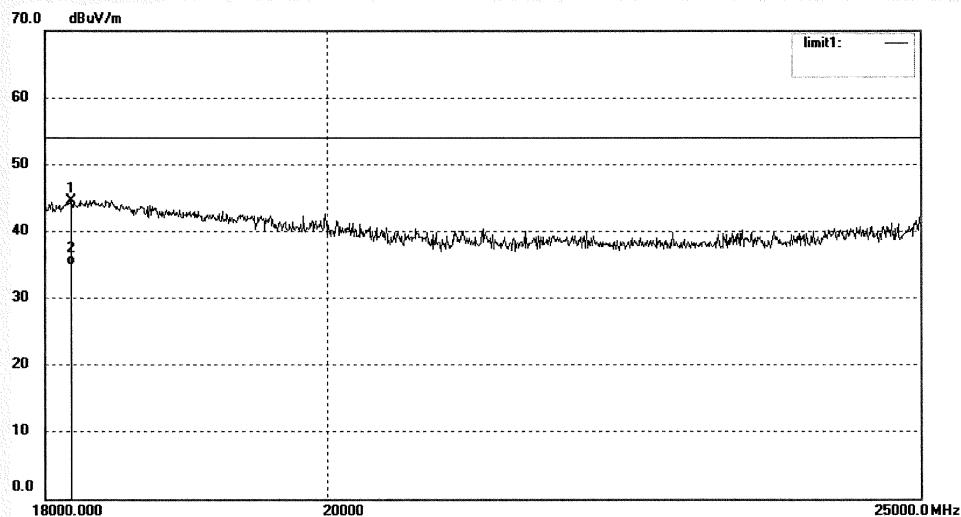
Mode: TX 2441MHz

Distance: 3m

Model: iF355BT

Manufacturer: EDIFIER

Note:



No.	Freq. (MHz)	Reading (dB _{uV/m})	Factor (dB)	Result (dB _{uV/m})	Limit (dB _{uV/m})	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18179.328	28.10	16.49	44.59	74.00	-29.41	peak			
2	18179.328	18.45	16.49	34.94	54.00	-19.06	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.: ALEN #1926

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/02/27

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

Time: 10/11/34

EUT: Multimedia Speaker

Engineer Signature: PEI

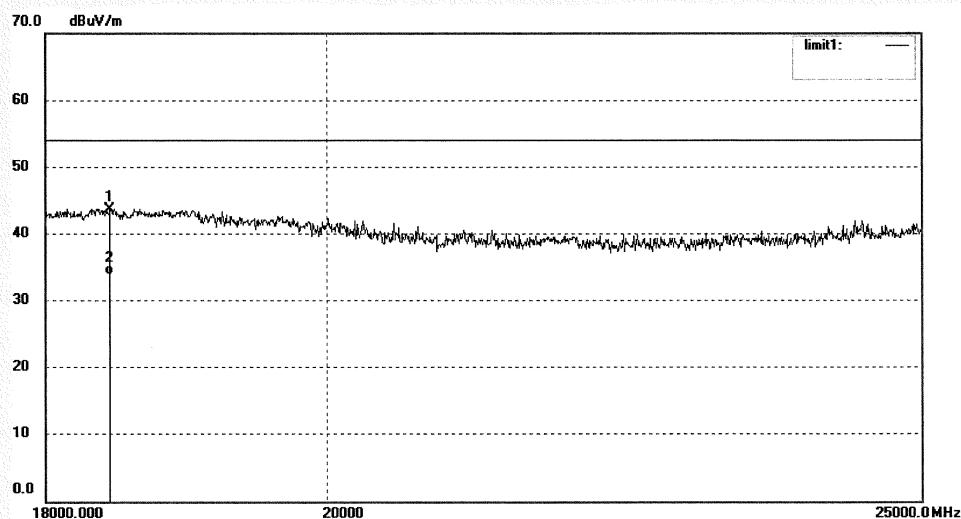
Mode: TX 2480MHz

Distance: 3m

Model: iF355BT

Manufacturer: EDIFIER

Note:



No.	Freq. (MHz)	Reading (dB _{uV/m})	Factor (dB)	Result (dB _{uV/m})	Limit (dB _{uV/m})	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18438.158	26.66	17.06	43.72	74.00	-30.28	peak			
2	18438.158	16.78	17.06	33.84	54.00	-20.16	AVG			

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

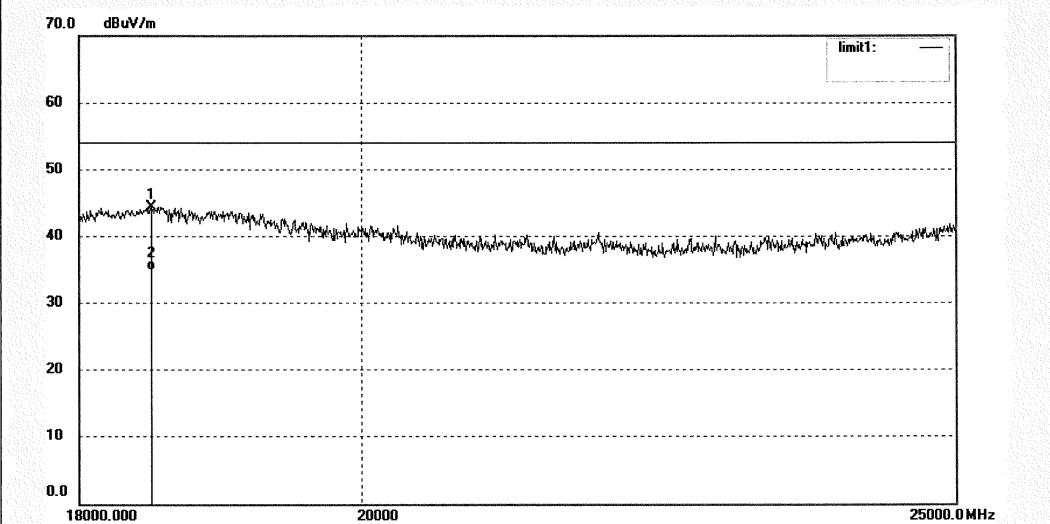
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1927	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/02/27
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 10/20/50
EUT: Multimedia Speaker	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: iF355BT	
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	18493.097	27.15	17.18	44.33	74.00	-29.67	peak			
2	18493.097	17.65	17.18	34.83	54.00	-19.17	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.: ALEN #1917

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/02/27/

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

Time: 8/44/17

EUT: Multimedia Speaker

Engineer Signature: PEI

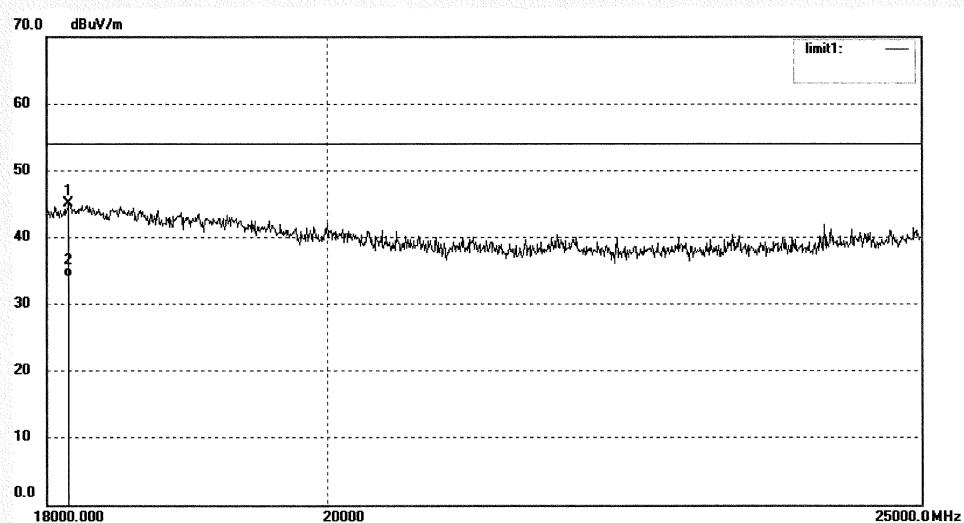
Mode: RX 2402MHz

Distance: 3m

Model: iF355BT

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	18149.107	28.55	16.43	44.98	74.00	-29.02	peak			
2	18149.107	17.68	16.43	34.11	54.00	-19.89	AVG			

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

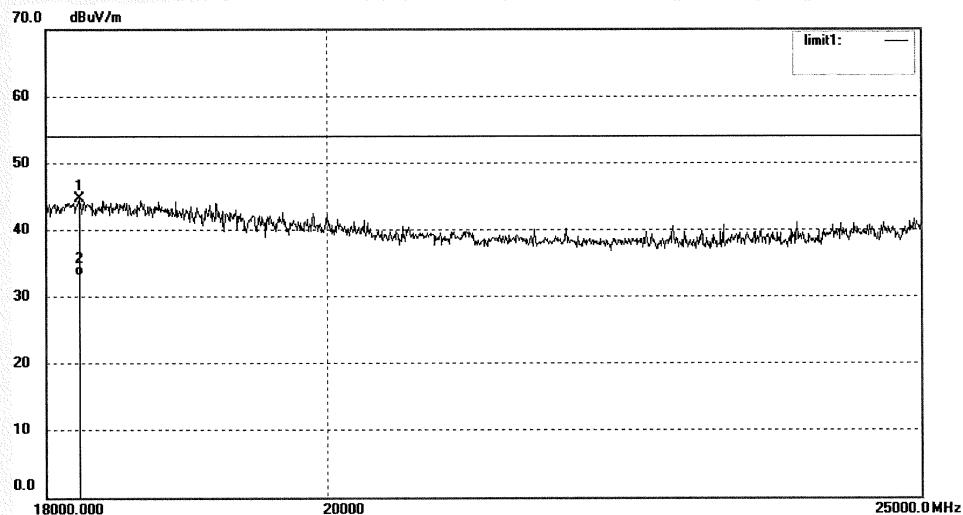
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #1919	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/02/27/
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 9/00/09
EUT: Multimedia Speaker	Engineer Signature: PEI
Mode: RX 2441MHz	Distance: 3m
Model: iF355BT	
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	18225.927	28.07	16.60	44.67	74.00	-29.33	peak			
2	18225.927	16.58	16.60	33.18	54.00	-20.82	AVG			