



Produkte
Products

Prüfbericht - Nr.: 17026508 001			Seite 1 von 144 Page 1 of 144		
<i>Test Report No.:</i>					
Auftraggeber: <i>Client:</i>		Edifier International Limited Room 2207-9, Tower Two, Lippo Centre 89 Queensway, Hong Kong			
Gegenstand der Prüfung: <i>Test item:</i>		Multimedia Speaker			
Bezeichnung: <i>Identification:</i>	iF360BT	Serien-Nr.: <i>Serial No.:</i>	n.a.		
Wareneingangs-Nr.: <i>Receipt No.:</i>	163094091	Eingangsdatum: <i>Date of receipt:</i>	2012-06-06		
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of test item at delivery:</i>		Test samples received are sufficient for testing and not damaged.			
Prüfört: <i>Testing location:</i>		Accurate Technology Co., Ltd. F1, Bldg. A, Changyuan New Material Port, Keyuan Rd., Science & Industry Park, Nanshan, Shenzhen, P.R. China Neutron Engineering Inc. No. 3, JinShaGang 1st Road, Shixia, DaLang Town, Dong Guan, Guangdong, P.R. China			
Prüfgrundlage: <i>Test specification:</i>		FCC CFR47 Part 15: Subpart C Section 15.247 FCC CFR47 Part 15: Subpart C Section 15.207 FCC CFR47 Part 15: Subpart C Section 15.209 FCC CFR47 Part 15: Subpart B Section 15.107 FCC CFR47 Part 15: Subpart B Section 15.109 RSS-210 Issue 8 December 2010 RSS-Gen Issue 3 December 2010 RSS-102 Issue 4 March 2010			
Prüfergebnis: <i>Test Result:</i>		Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). <i>The test item passed the test specification(s).</i>			
Prüflaboratorium: <i>Testing Laboratory:</i>		TÜV Rheinland (Shenzhen) Co., Ltd.			
geprüft/ tested by:		kontrolliert/ reviewed by:			
					
11/07/2012 Owen Tian/Project Manager		11/07/2012 Shawn Peng/Technical Certifier			
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>
Sonstiges/ Other Aspects:					
Abkürzungen: P(ass) = entspricht Prüfgrundlage F(ail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet			Abbreviations: P(ass) = passed F(ail) = failed N/A = not applicable N/T = not tested		
<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 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 safety mark on this or similar products.</i></p>					

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*

Contents

1.	GENERAL REMARKS	5
1.1	COMPLEMENTARY MATERIALS	5
2.	TEST SITES	5
2.1	TEST FACILITIES.....	5
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS.....	6
2.3	TRACEABILITY	7
2.4	CALIBRATION	7
2.5	MEASUREMENT UNCERTAINTY.....	7
2.6	LOCATION OF ORIGINAL DATA.....	7
2.7	STATUS OF FACILITY USED FOR TESTING.....	8
3.	GENERAL PRODUCT INFORMATION	9
3.1	PRODUCT FUNCTION AND INTENDED USE	9
3.2	RATINGS AND SYSTEM DETAILS	9
3.3	INDEPENDENT OPERATION MODES	9
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS	10
3.5	SUBMITTED DOCUMENTS.....	10
4.	TEST SET-UP AND OPERATION MODES	11
4.1	PRINCIPLE OF CONFIGURATION SELECTION.....	11
4.2	TEST OPERATION AND TEST SOFTWARE	11
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	11
4.4	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE.....	11
4.5	TEST SETUP DIAGRAM	12
5.	TEST RESULTS	14
5.1	TRANSMITTER REQUIREMENT & TEST SUITES	14
5.1.1	<i>Antenna Requirement.....</i>	<i>14</i>
5.1.2	<i>Peak Output Power</i>	<i>15</i>
5.1.3	<i>20dB Bandwidth and 99% Bandwidth</i>	<i>19</i>
5.1.4	<i>Conducted Spurious Emissions measured in 100kHz Bandwidth</i>	<i>26</i>
5.1.5	<i>Spurious Emission.....</i>	<i>31</i>
5.1.6	<i>Frequency Separation</i>	<i>83</i>
5.1.7	<i>Number of hopping frequency.....</i>	<i>86</i>
5.1.8	<i>Time of Occupancy</i>	<i>88</i>
5.1.9	<i>Radiated emissions</i>	<i>98</i>
5.1.10	<i>Conducted emissions.....</i>	<i>127</i>
6.	SAFETY HUMAN EXPOSURE	140
6.1	RADIO FREQUENCY EXPOSURE COMPLIANCE.....	140
6.1.1	<i>Electromagnetic Fields</i>	<i>140</i>
7.	PHOTOGRAPHS OF THE TEST SET-UP	141
8.	LIST OF TABLES	144

Prüfbericht - Nr.: 17026508 001
*Test Report No.***Seite 4 von 144**
*Page 4 of 144***9. LIST OF PHOTOGRAPHS 144**

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

Neutron Engineering Inc.

(FCC Registration No.: 319330)

(Test site Industry Canada No.: 4428B-1)

No. 3, JinShaGang 1st Road, Shixia, DaLang Town,
Dong Guan, Guangdong, P.R. China

The tests at the test sites 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	2013-01-06
Test Receiver	Rohde & Schwarz	ESCS30	100307	2013-01-06
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2013-01-06
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2013-01-06
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2013-01-06
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2013-01-06
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2013-01-06
RF Coaxial Cable	SUHNER	N-3m	No.8	2013-01-06
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2013-01-06
RF Coaxial Cable	SUHNER	N-6m	No.10	2013-01-06
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2013-01-06
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2013-01-06
Pre-Amplifier	Rohde & Schwarz	CBLU118354 0-01	3791	2013-01-06
Radio Spectrum Test				
Spectrum Analyzer	Rohde & Schwarz	ESPI3	100396/003	2013-01-06
Temp. & Humid. Chamber	Gongwen	HSD-500	0109	2013-01-06
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2013-01-06
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	2013-01-06
L.I.S.N.	Rohde & Schwarz	ESH3-Z5	100310	2013-01-06
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	2013-01-06
50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	2013-01-06
RF Coaxial Cable	SUHNER	N-2m	No.3	2013-01-06
Radiated Emission				
Spectrum Analyzer	Agilent	E7405A	MY45115511	2013-01-06
Test Receiver	Rohde & Schwarz	ESCS30	100307	2013-01-06
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2013-01-06
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2013-01-06
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2013-01-06
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2013-01-06
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2013-01-06
RF Coaxial Cable	SUHNER	N-3m	No.8	2013-01-06
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2013-01-06
RF Coaxial Cable	SUHNER	N-6m	No.10	2013-01-06
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2013-01-06
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2013-01-06
Pre-Amplifier	Rohde & Schwarz	CBLU118354 0-01	3791	2013-01-06
Radiated Disturbance (Neutron)				
Antenna	Schwarzbeck	VULB9160	9160-3232	2013-01-03
Amplifier	HP	8447D	2944A09673	2013-05-04

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Test Receiver	R&S	ESCI	100382	2013-05-04
Test Cable	N/A	C-01_CB03	N/A	2012-11-29
Controller	CT	SC100	N/A	N/A

2.3 Traceability

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

2.4 Calibration

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

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Radio Spectrum	$< \pm 0.60$ dB
Radiated emission of transmitter, valid up to 12.75 GHz	$< \pm 4.42$ dB
Radiated emission of receiver, valid up to 12.75 GHz	$< \pm 4.42$ dB
Conducted Emission	$< \pm 2.23$ dB
Radiated Emission	$< \pm 4.42$ dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

Accurate Technology Co., Ltd. test facility located at F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan, Shenzhen, P.R. China and Neutron Engineering Inc. test facility located at No. 3, JinShaGang 1st Road, Shixia, DaLang Town, Dong Guan, Guangdong, P.R. China are 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 EUT is a multimedia speaker with Bluetooth function used for audio entertainment in house or similar environment. It operates at 2.4GHz ISM frequency band. For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment	Multimedia Speaker
Type Designation	iF360BT
Operating Frequency band	2402 – 2480MHz
Channel separation	1MHz
Extreme Temperature Range	-20~+45°C
Operation Voltage	AC 100-240V, 50/60Hz
Modulation	FHSS, GFSK, 8DPSK, $\pi/4$ DQPSK
Antenna Gain	0dBi

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Bluetooth mode
 - a. Transmitting
 - b. Receiving
 - 2. AUX input
 - 3. iPod input
 - 4. SD card input
 - 5. USB input
 - 6. FM mode
- B. Standby
- C. 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: 2003.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

Description	Manufacturer	Part No.	S/N
iPod	Apple	A1238	8K039T1Y9ZU

The EUT was tested with following cables:

Interface(s)/Port(s):	Max. cable length, shielding	Cable classification
AC Mains	2 cores, non-shielded port, 3m	AC Power Input
Line input	2 cores, non-shielded port, 3m	Audio Input
USB port	4 cores, non-shielded port, 3m	Signal Input

4.4 Countermeasures to achieve EMC Compliance

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

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

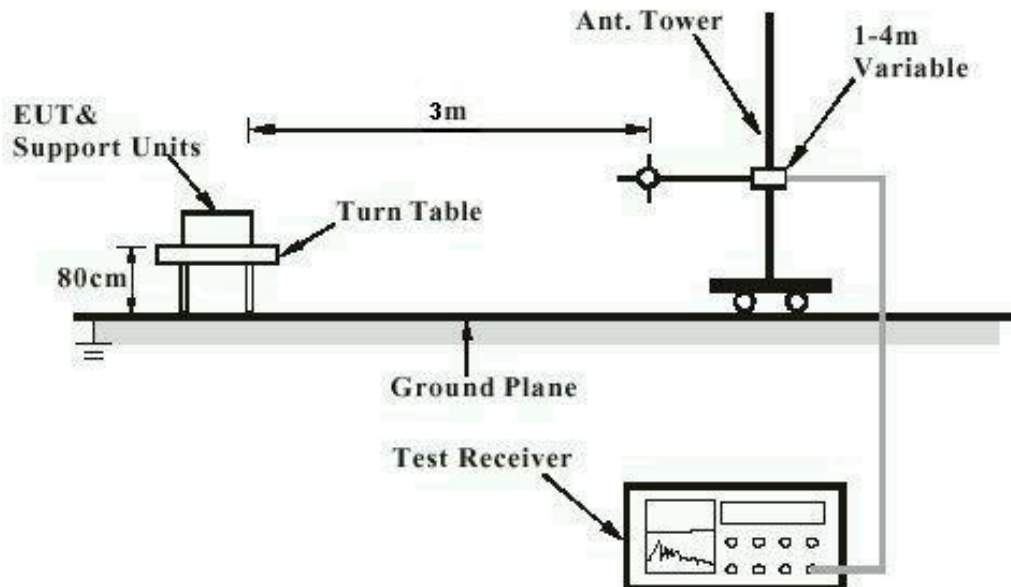


Diagram of Measurement Equipment Configuration for Conduction Measurement

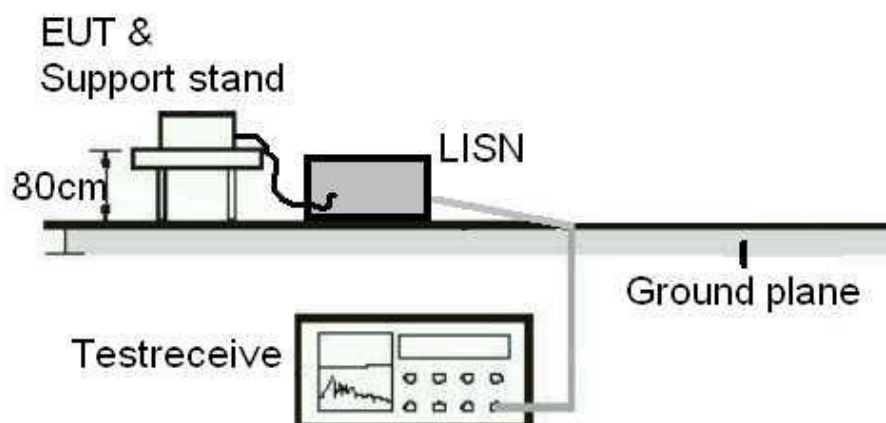
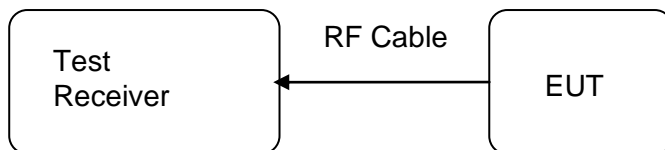


Diagram of Measurement Equipment Configuration for Transmitter Measurement

5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Pass**

Test standard	:	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 2dBi, Therefore the EUT is considered sufficient to comply with the provision.

5.1.2 Peak Output Power

RESULT:
Pass

Test date : 2012-06-14
 Test standard : FCC Part 15.247(b)(1)
 RSS-210 A8.4(2)
 Basic standard : ANSI C63.4: 2003
 Limit : 125mW
 Kind of test site : Shielded room

Test setup

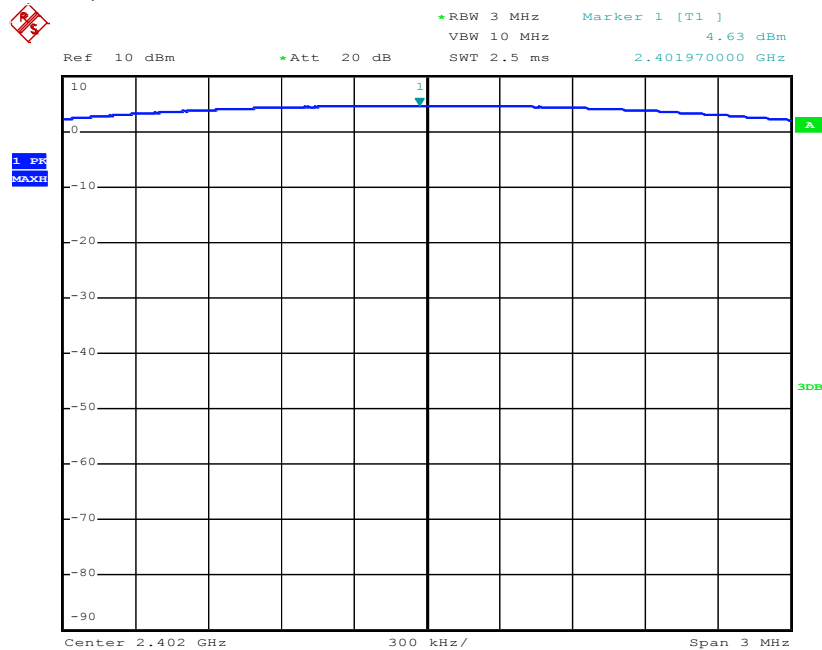
Test Channel : Low/ Middle/ High
 Operation Mode : A.1
 Ambient temperature : 25°C
 Relative humidity : 52%
 Atmospheric pressure : 101kPa

Table 4: Test result of Peak Output Power

Channel	Channel Frequency (MHz)	Peak Output Power (mW)		Limit (mW)
		BDR	EDR	
Low Channel	2402	2.904	2.559	125
Middle Channel	2441	2.523	2.254	125
High Channel	2480	1.959	1.702	125

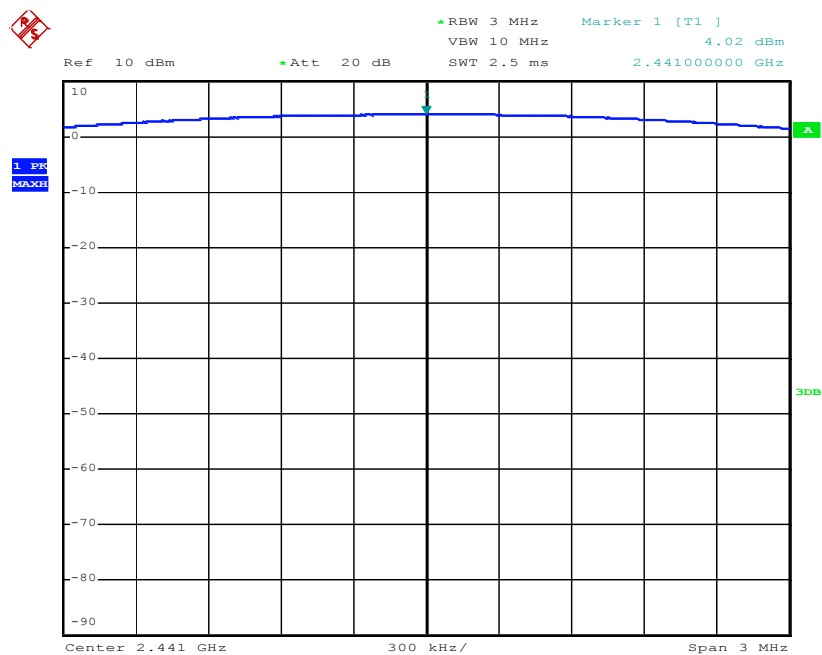
Test Plot of Peak Output Power

Low Channel, BDR mode

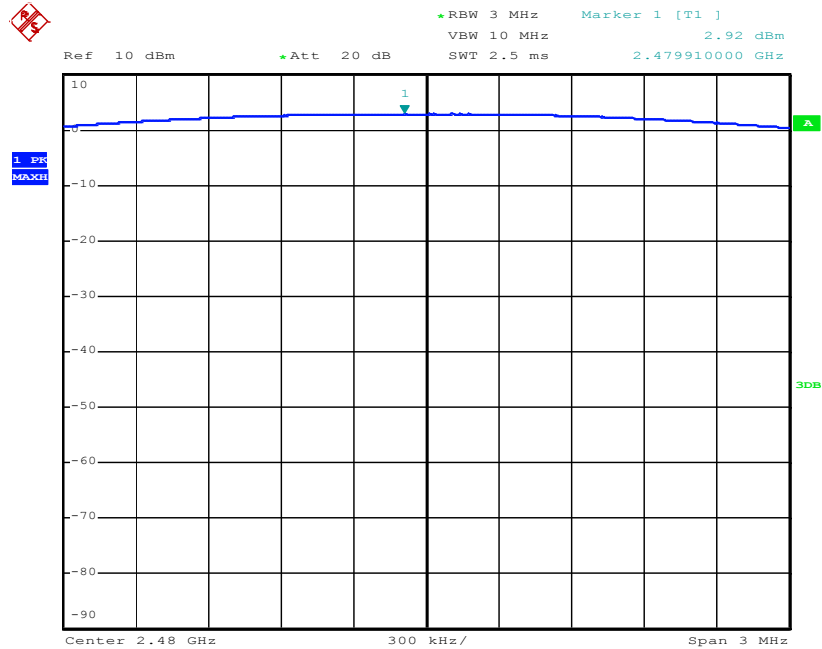


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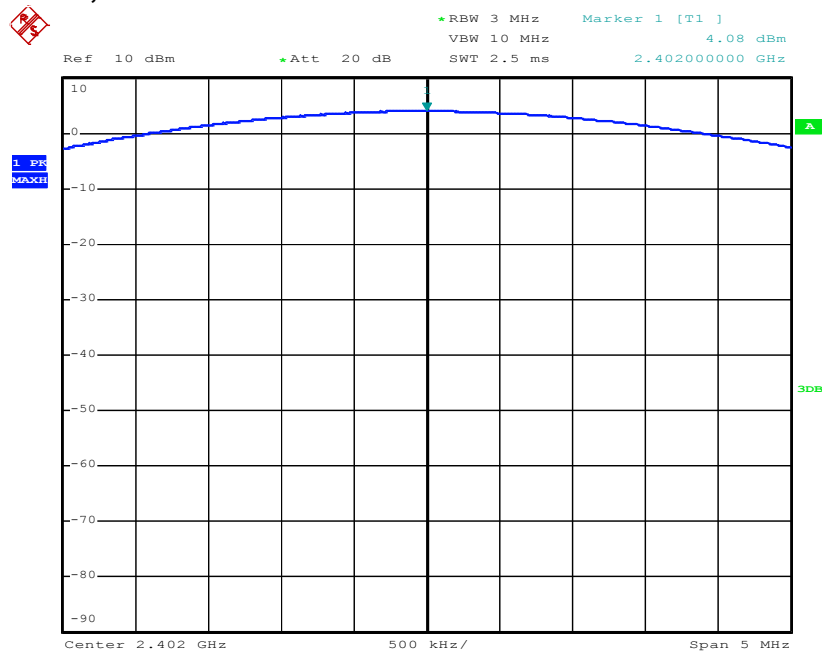
Middle Channel, BDR mode



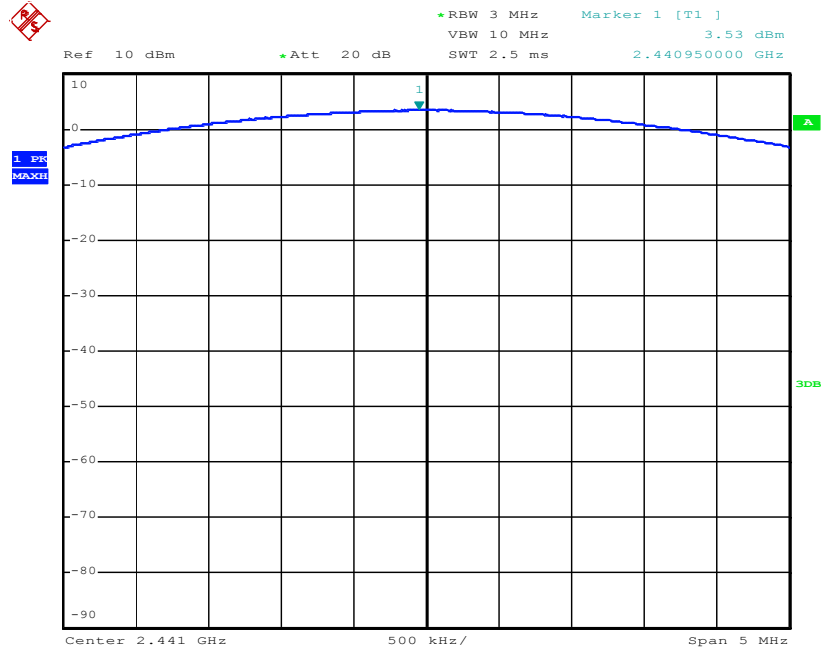
Date: 14.JUN.2012 10:33:28

High Channel, BDR mode


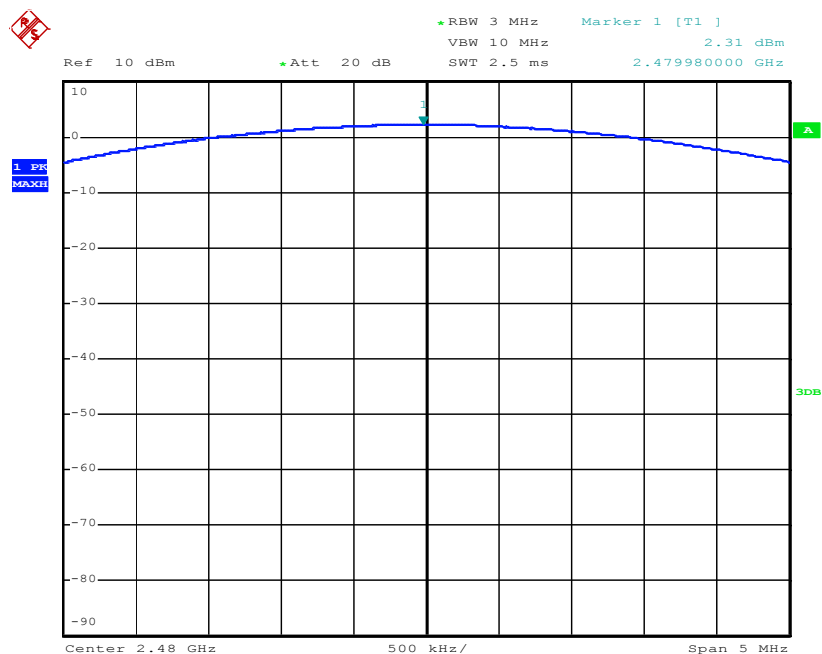
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Low Channel, EDR mode


Date: 14.JUN.2012 10:29:18

Middle Channel, EDR mode


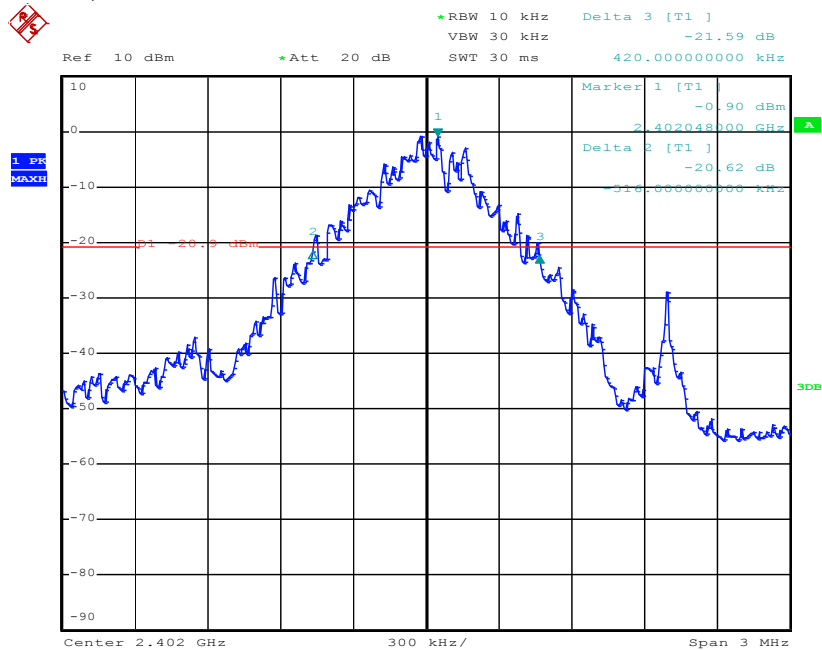
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High Channel, EDR mode


Date: 14.JUN.2012 10:27:38

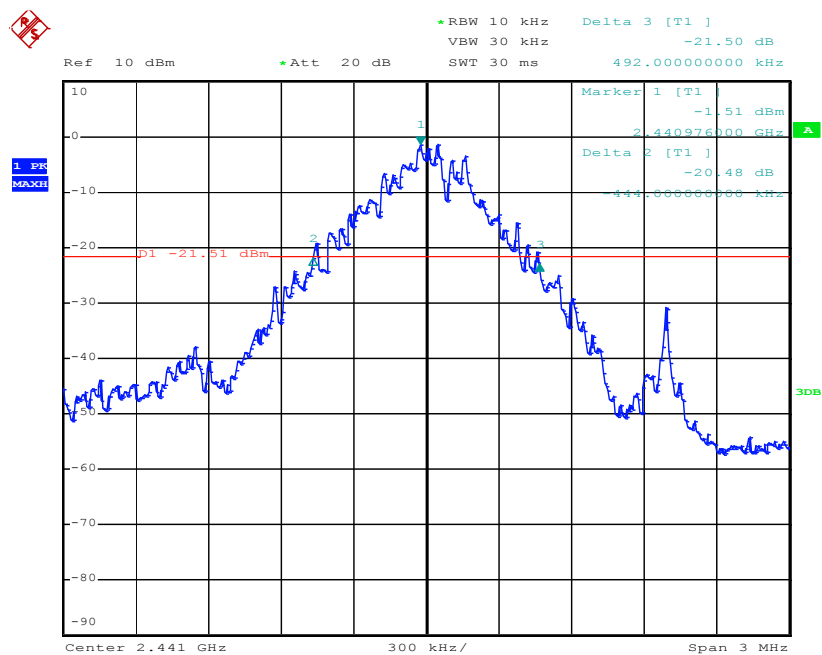
Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)		99% Bandwidth (MHz)	
		BDR	EDR	BDR	EDR
Low Channel	2402	0.936	1.282	1.230	0.96
Mid Channel	2441	0.936	1.284	1.236	0.96
High Channel	2480	0.936	1.290	1.230	0.96

Test Plot of 20dB Bandwidth Low Channel, BDR mode



Date: 14.JUN.2012 10:15:50

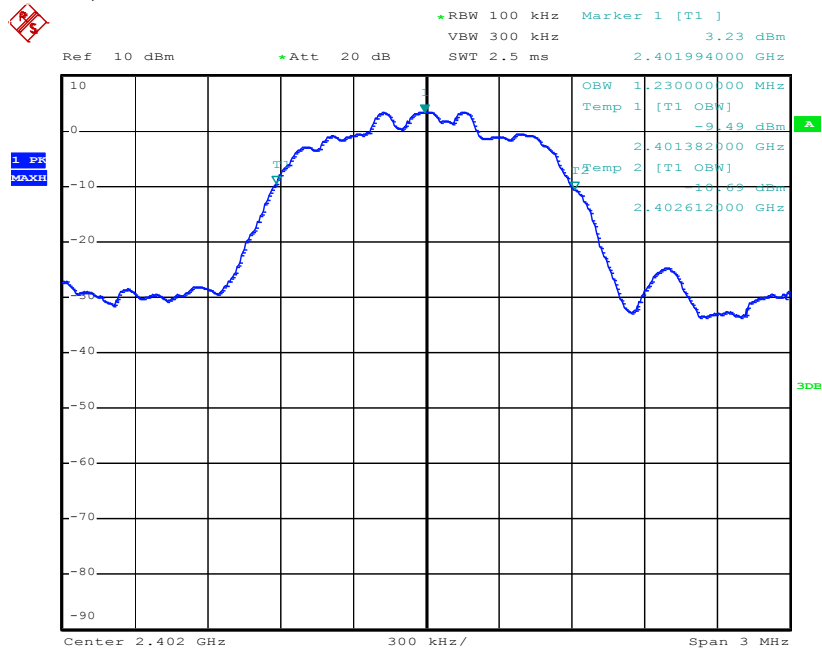
Middle Channel, BDR mode



Date: 14.JUN.2012 10:17:06

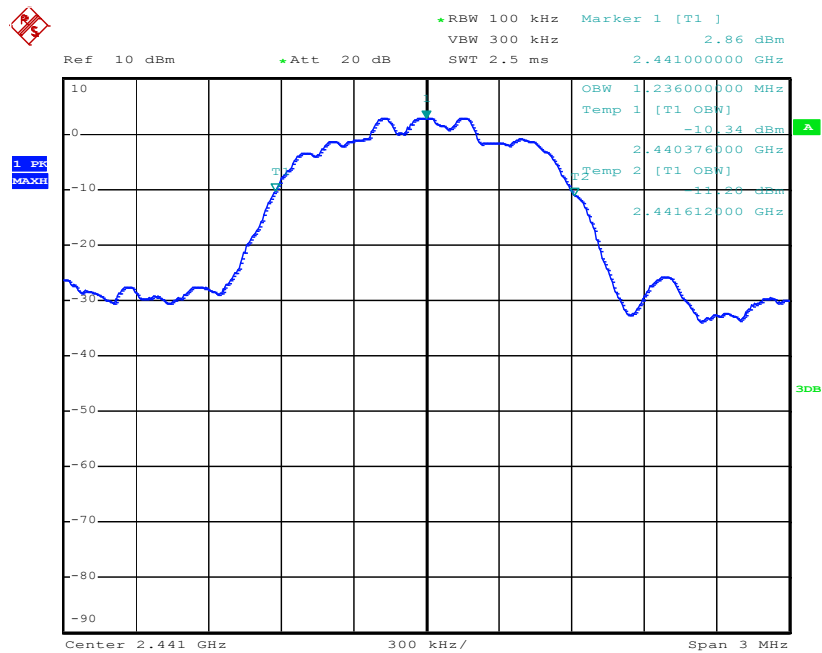
Test Plot of 99% Bandwidth

Low Channel, BDR mode

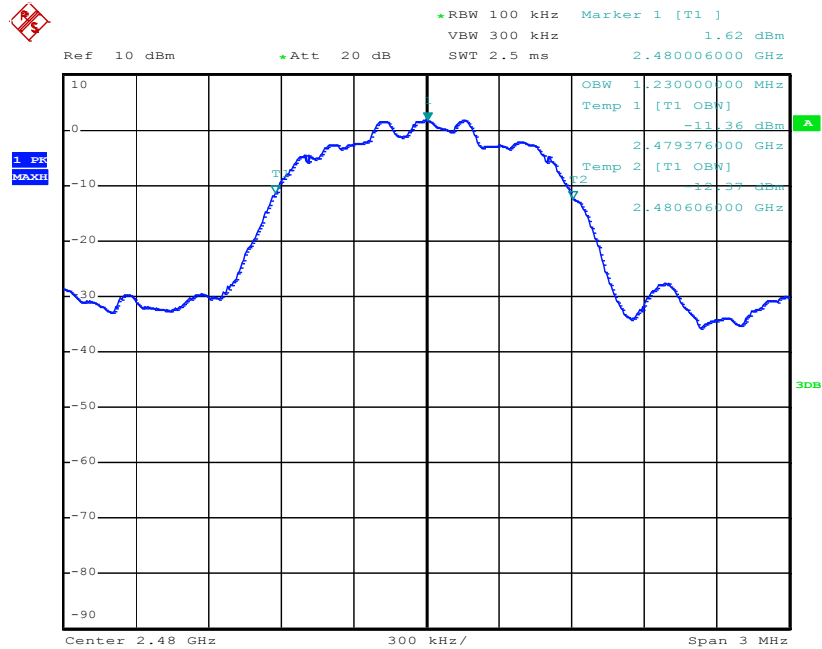


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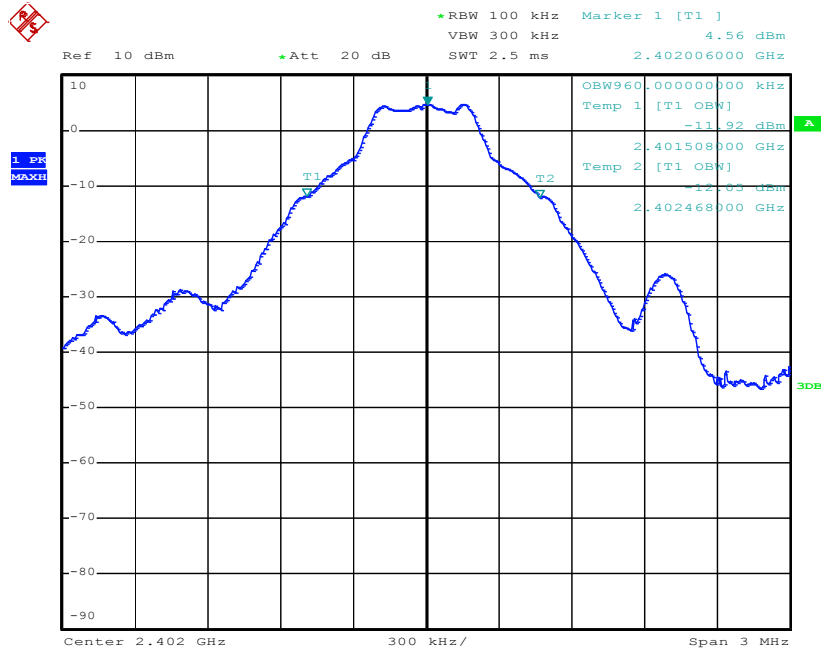
Middle Channel, BDR mode



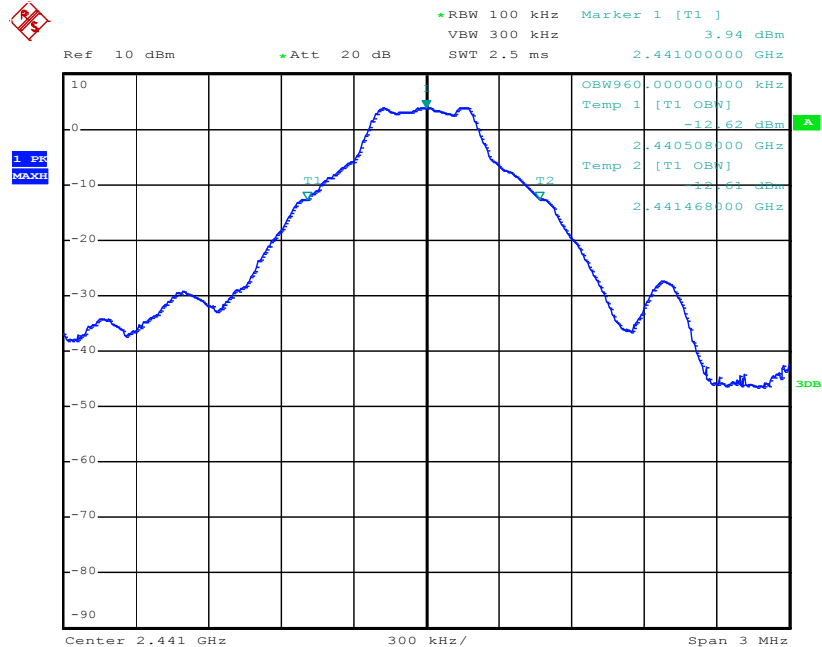
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High Channel, BDR mode


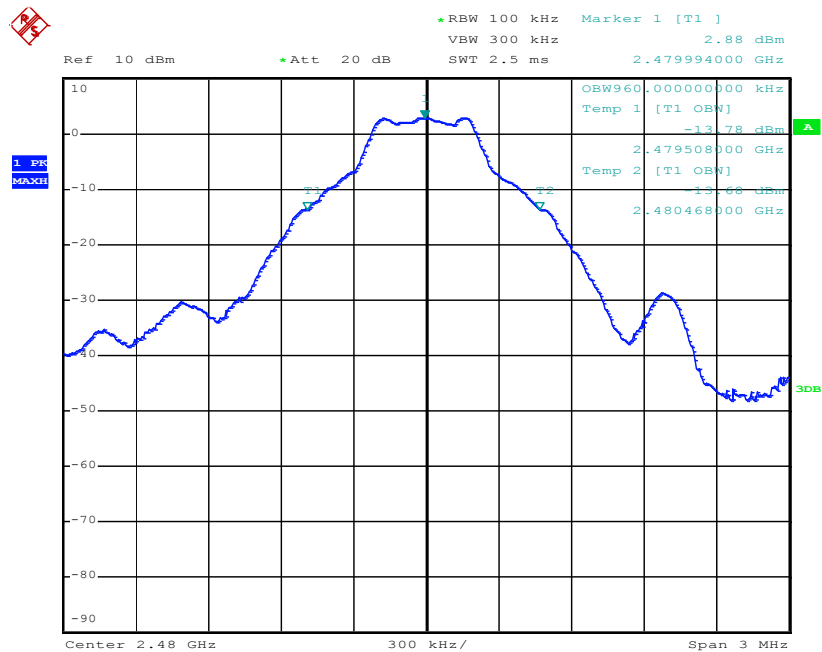
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Low Channel, EDR mode


Date: 14.JUN.2012 10:22:04

Middle Channel, EDR mode


Date: 14.JUN.2012 10:21:04

High Channel, EDR mode


Date: 14.JUN.2012 10:20:04

Prüfbericht - Nr.: 17026508 001

Test Report No.

Seite 26 von 144

Page 26 of 144

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

Date of testing	:	2012-06-14
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

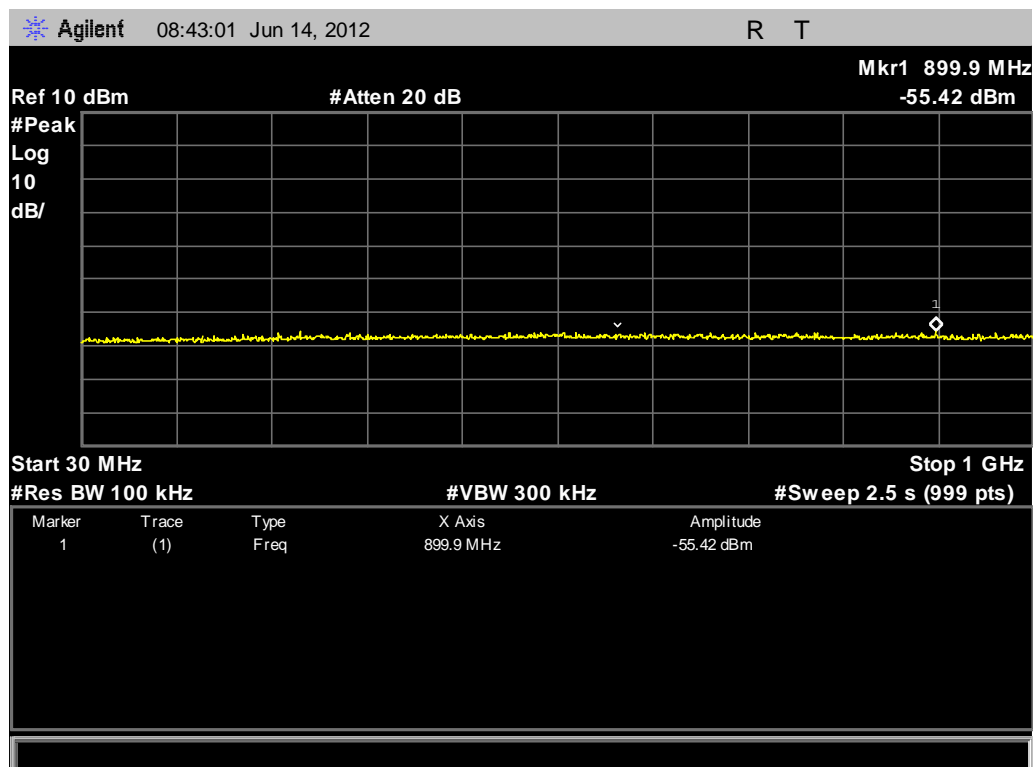
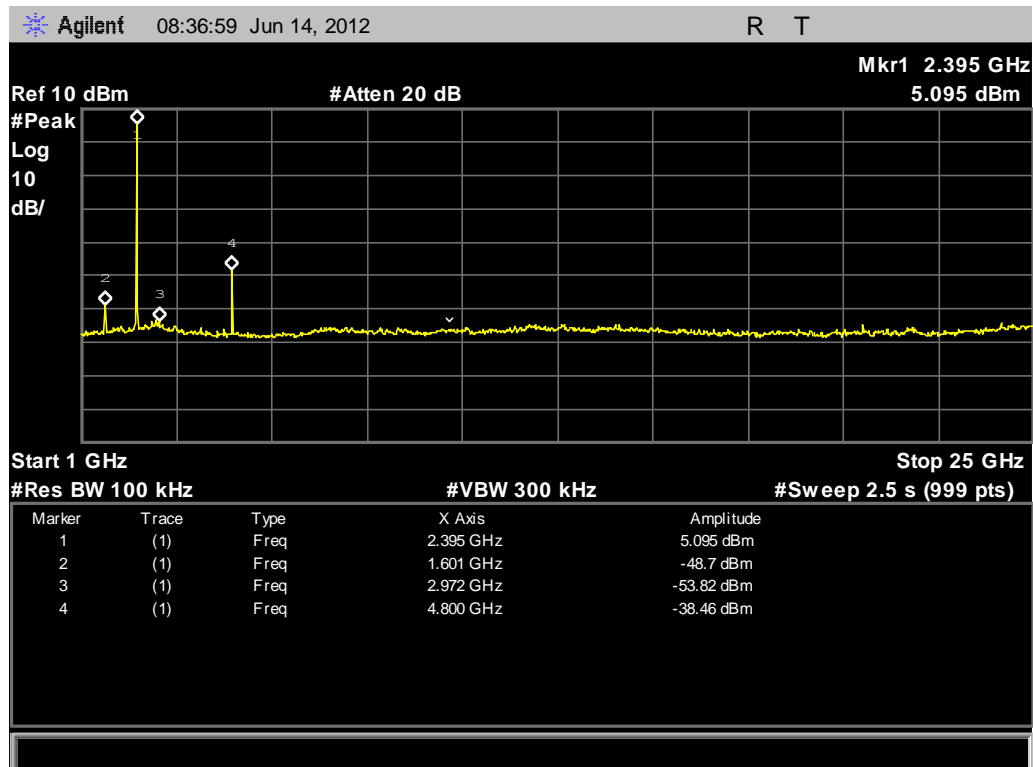
Test setup

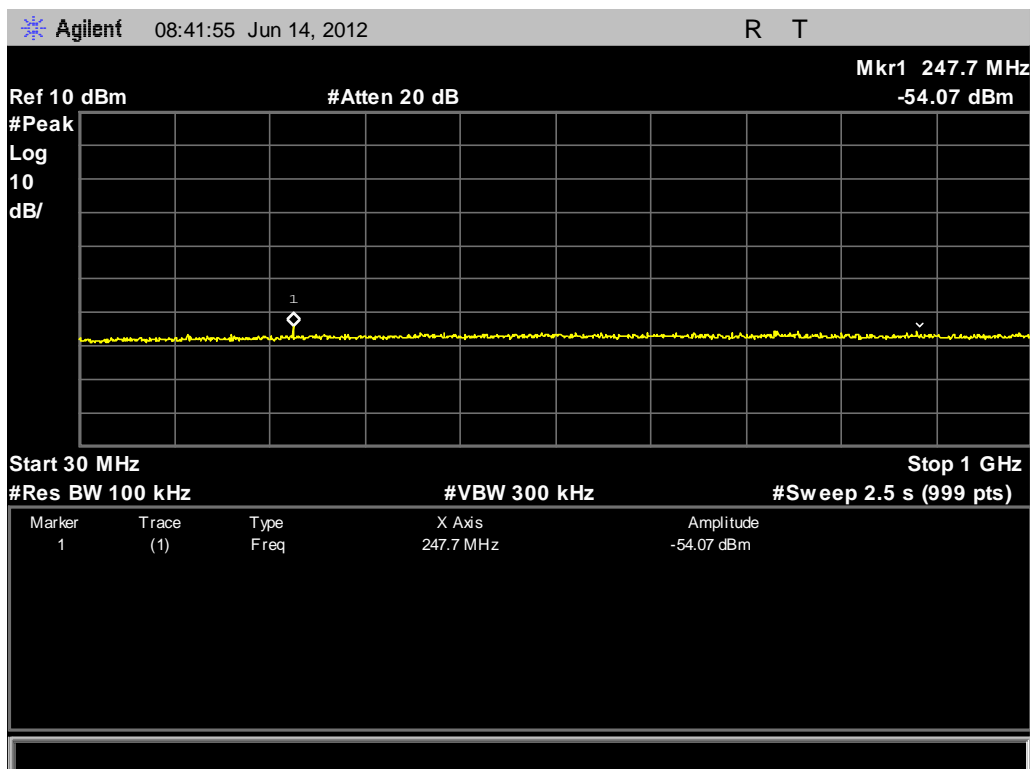
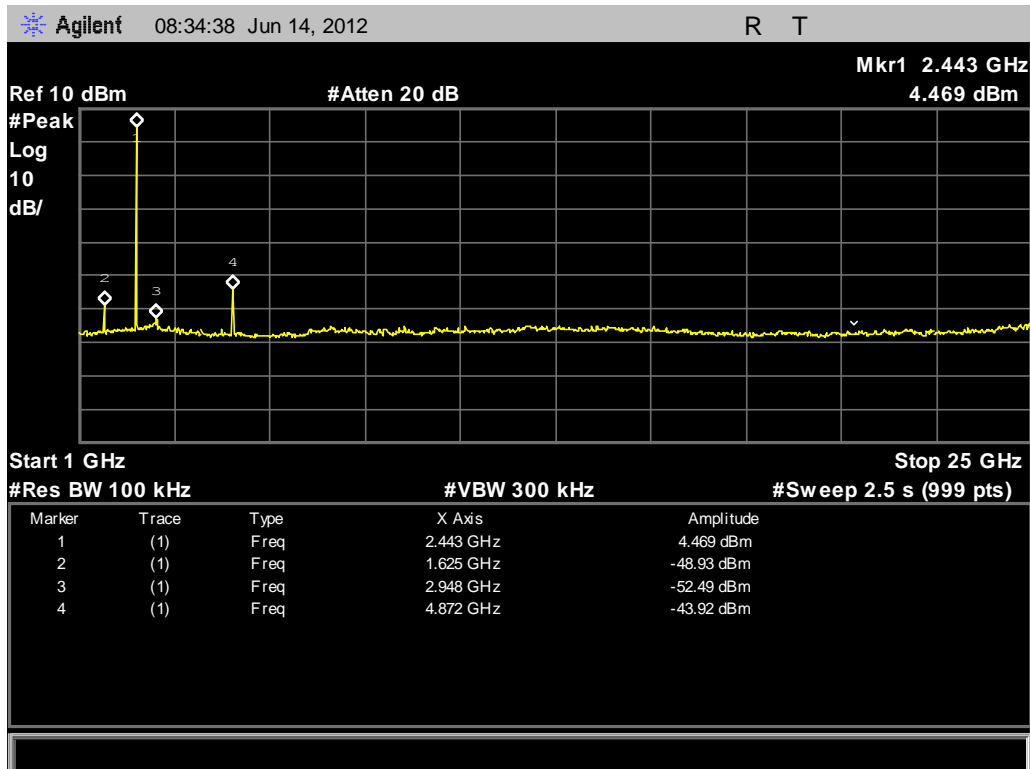
Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

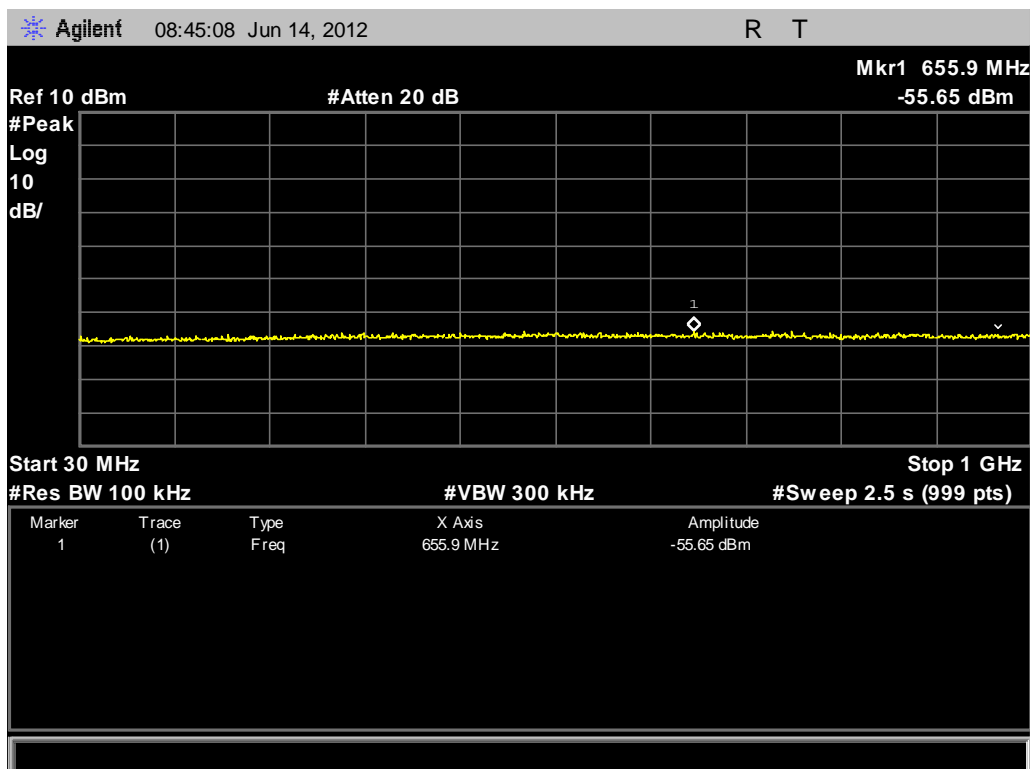
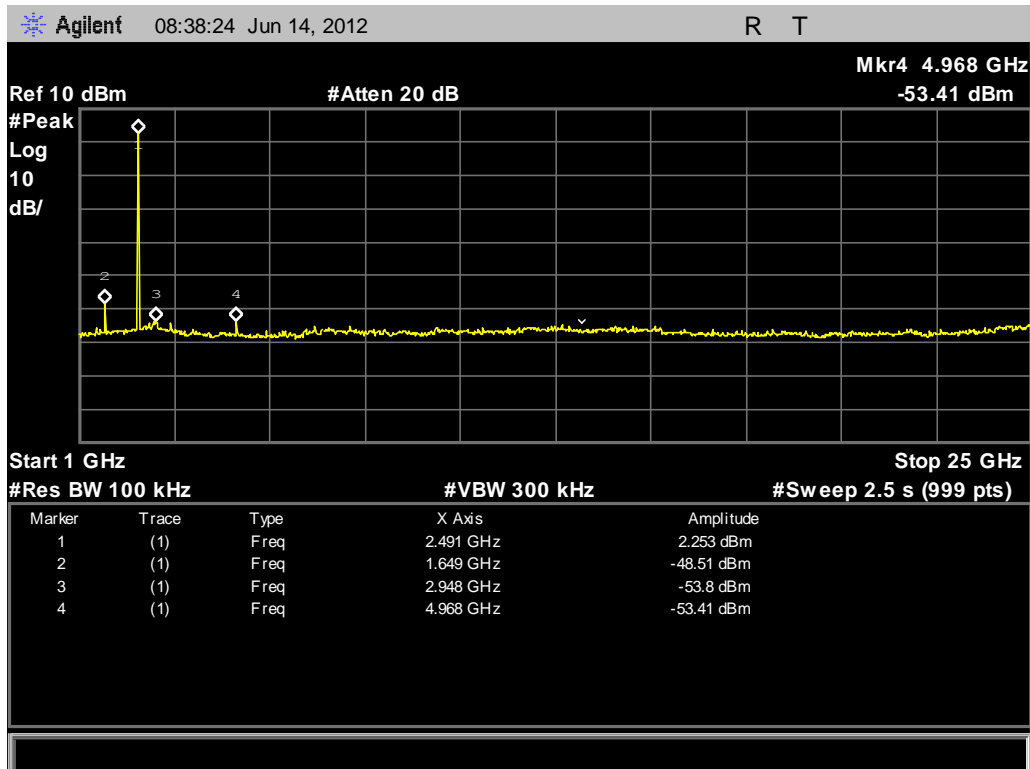
All emissions are more than 20dB below fundamental, details refer to following test plot, and compliance is achieved as well.

Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth

Low Channel

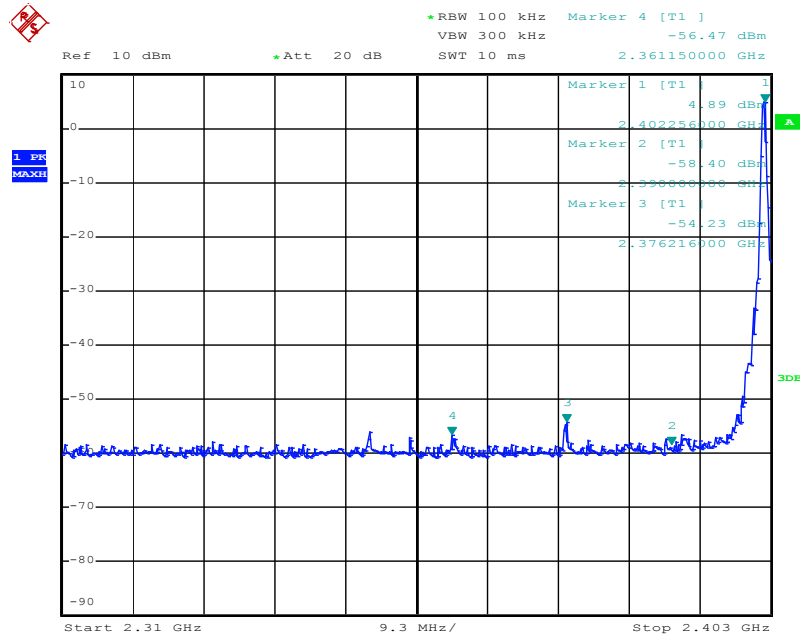


Middle Channel


High Channel


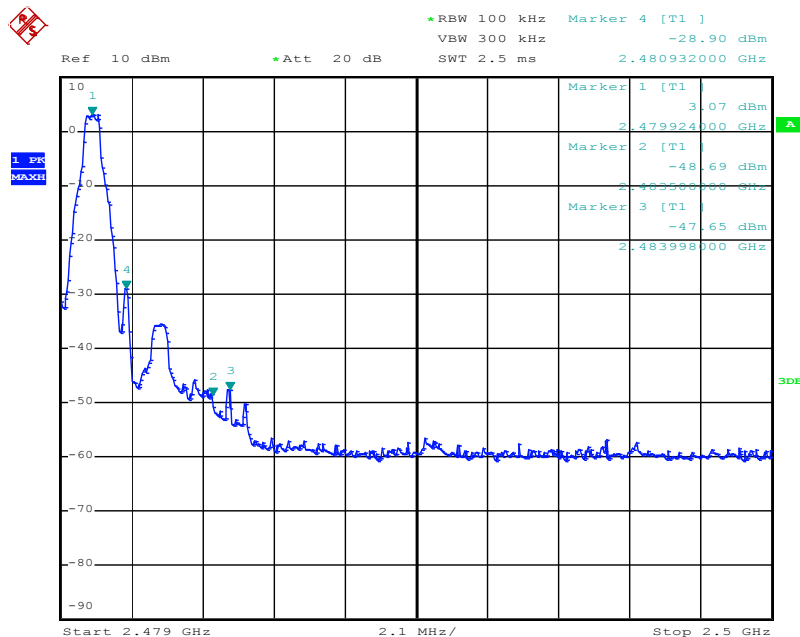
Test Plot of 100 kHz Bandwidth of Frequency Band Edge

Low Channel



Date: 14.JUN.2012 10:43:51

High Channel



Date: 14.JUN.2012 10:46:43

Prüfbericht - Nr.: 17026508 001

Test Report No.

Seite 31 von 144

Page 31 of 144

5.1.5 Spurious Emission

RESULT:**Pass**

Date of testing	:	2012-06-13
Test standard	:	FCC part 15.247(d) RSS-210 Clause 2.2
Basic standard	:	ANSI C63.4: 2003
Limits	:	FCC part 15.209(a)
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1, A.2
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

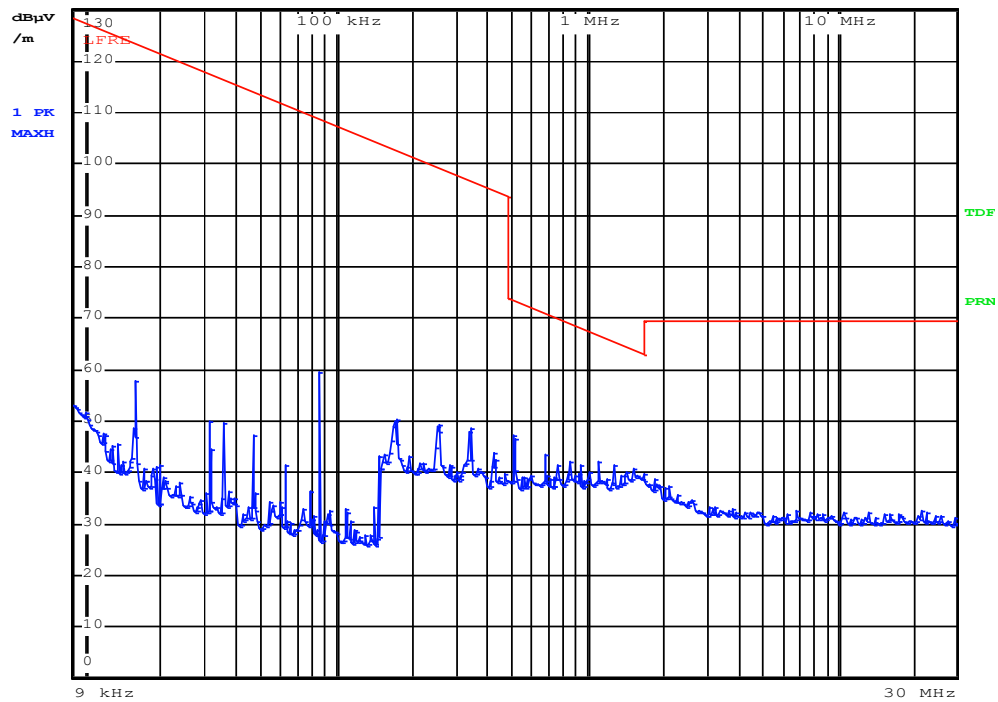
Test Plot of Radiated emissions



RBW 200 Hz

MT 50 ms

Att 10 dB AUTO PREAMP OFF



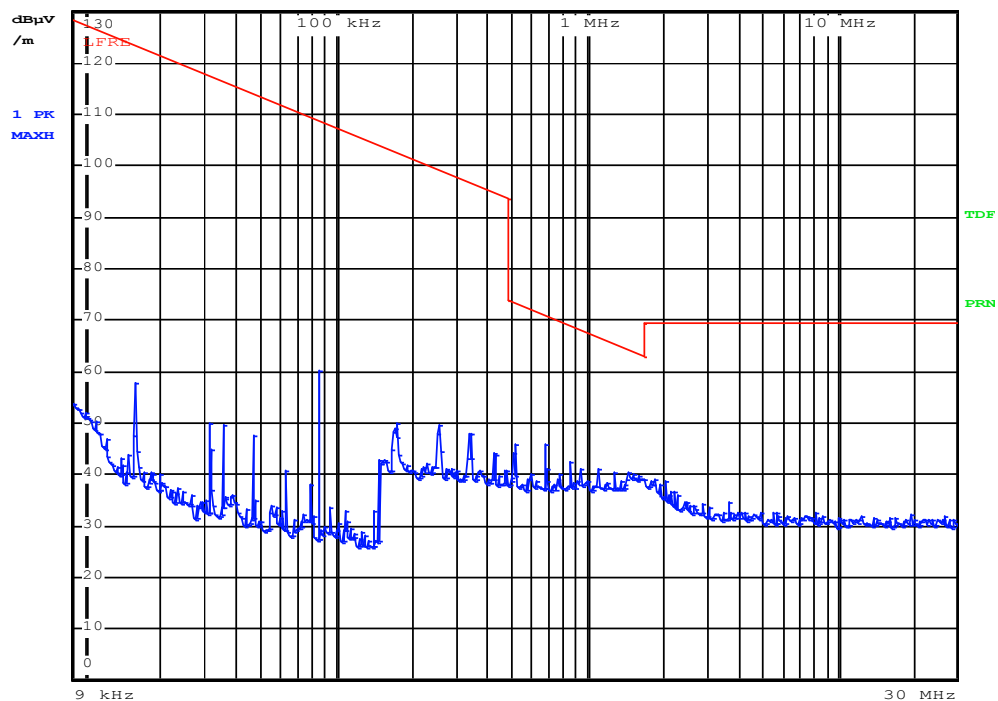
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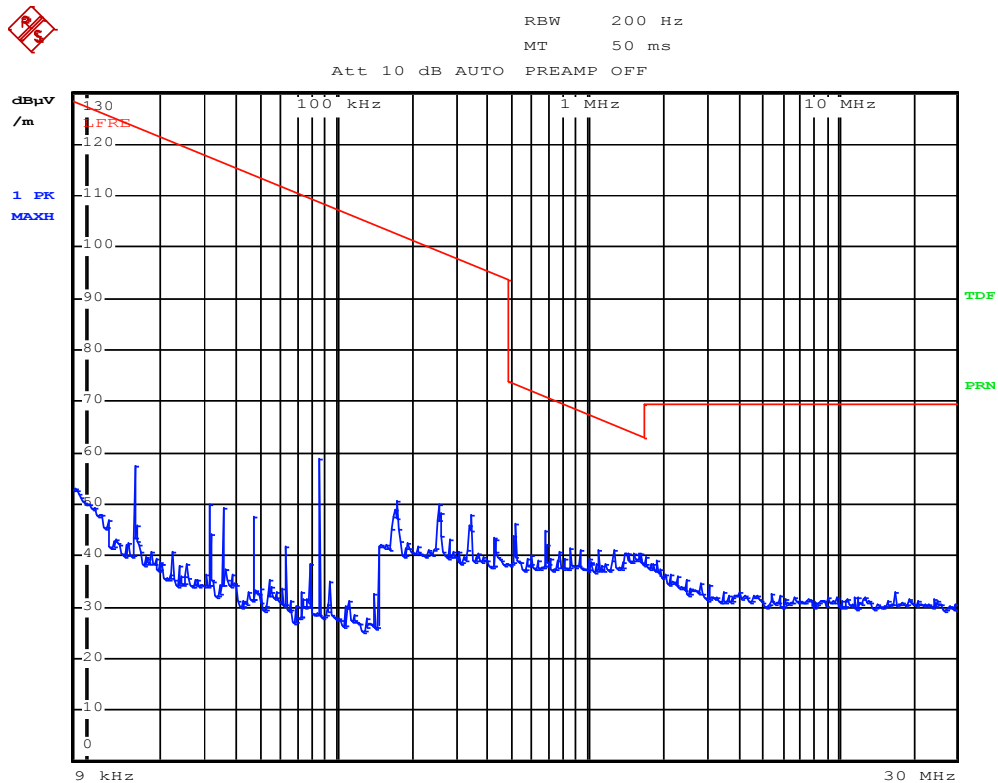
RBW 200 Hz

MT 50 ms

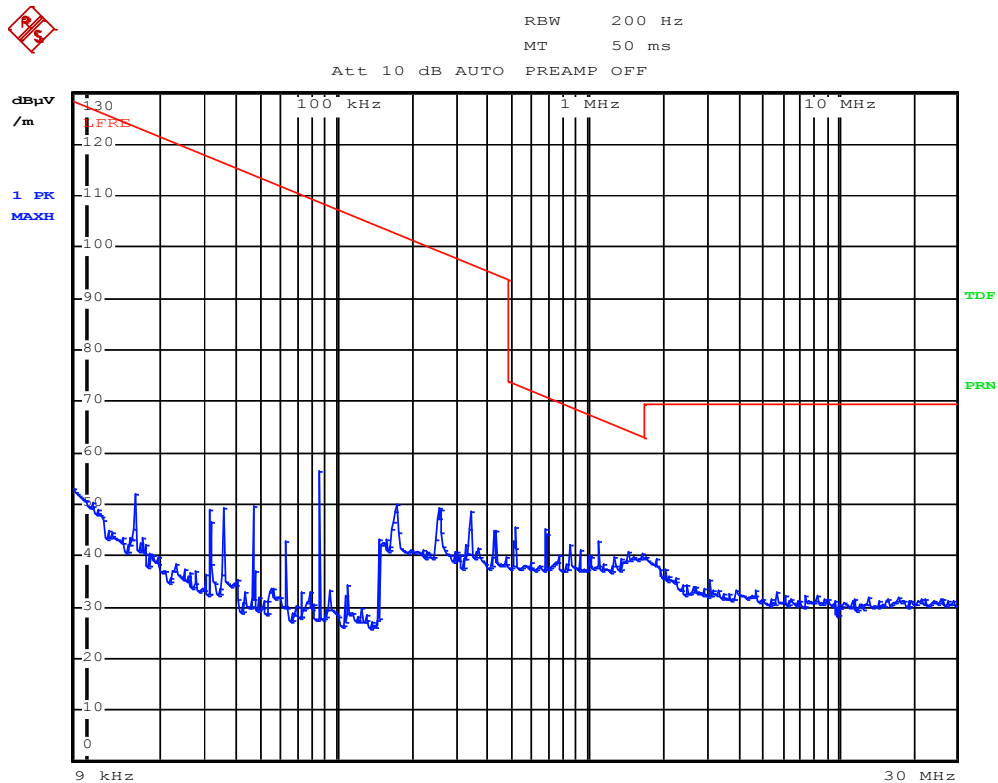
Att 10 dB AUTO PREAMP OFF



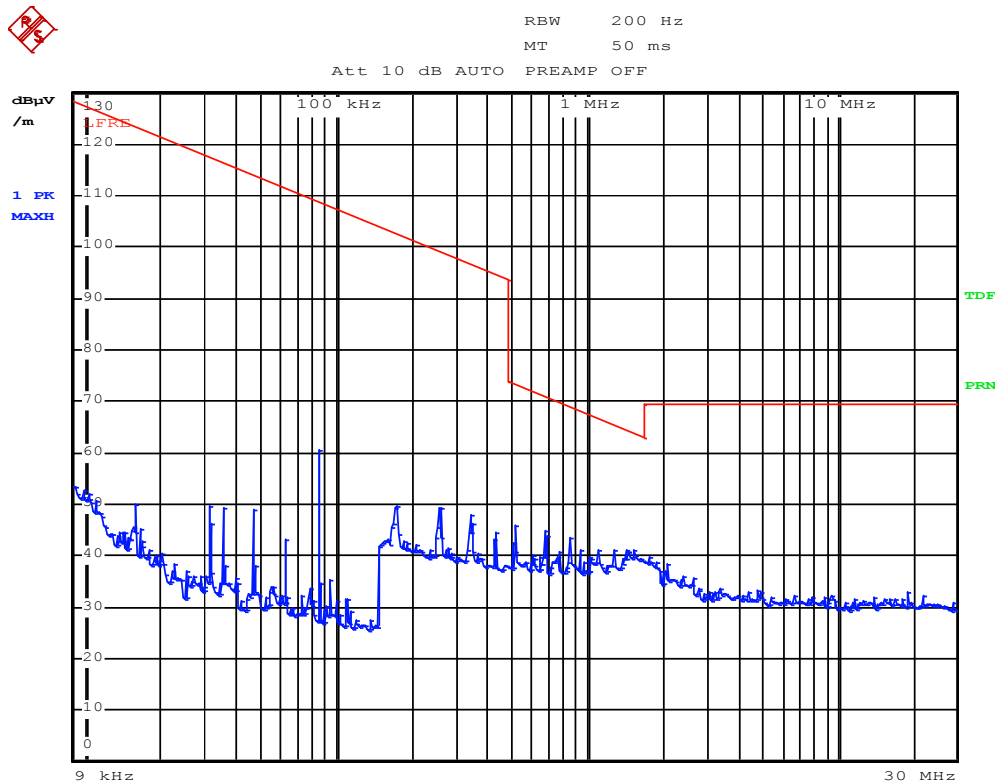
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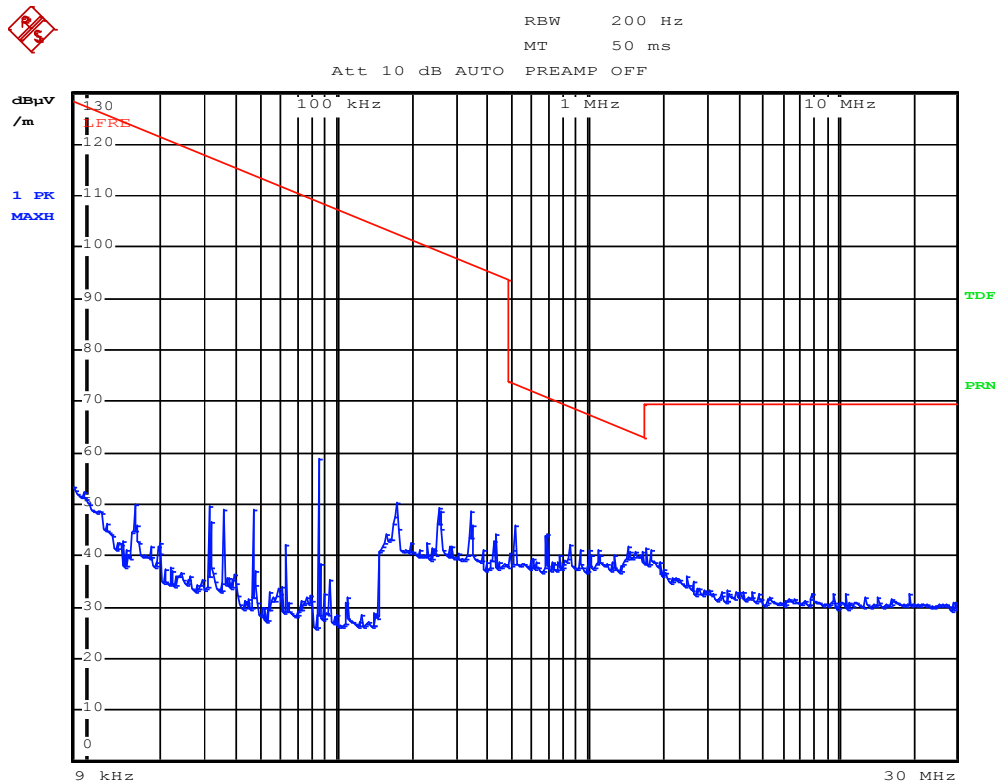
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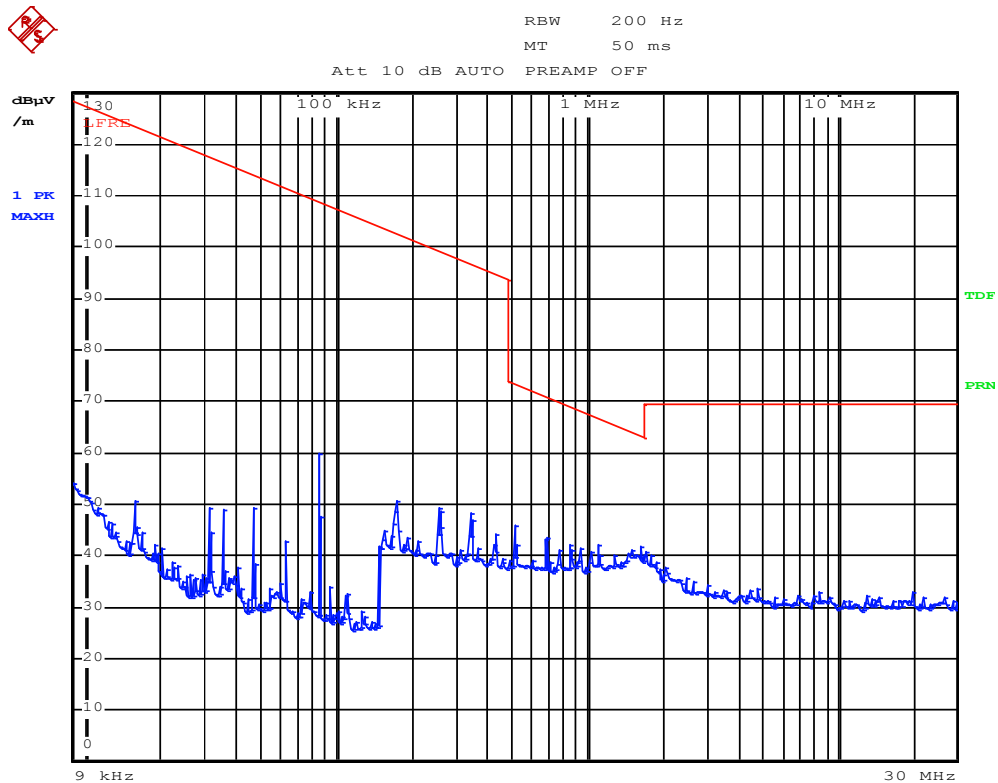
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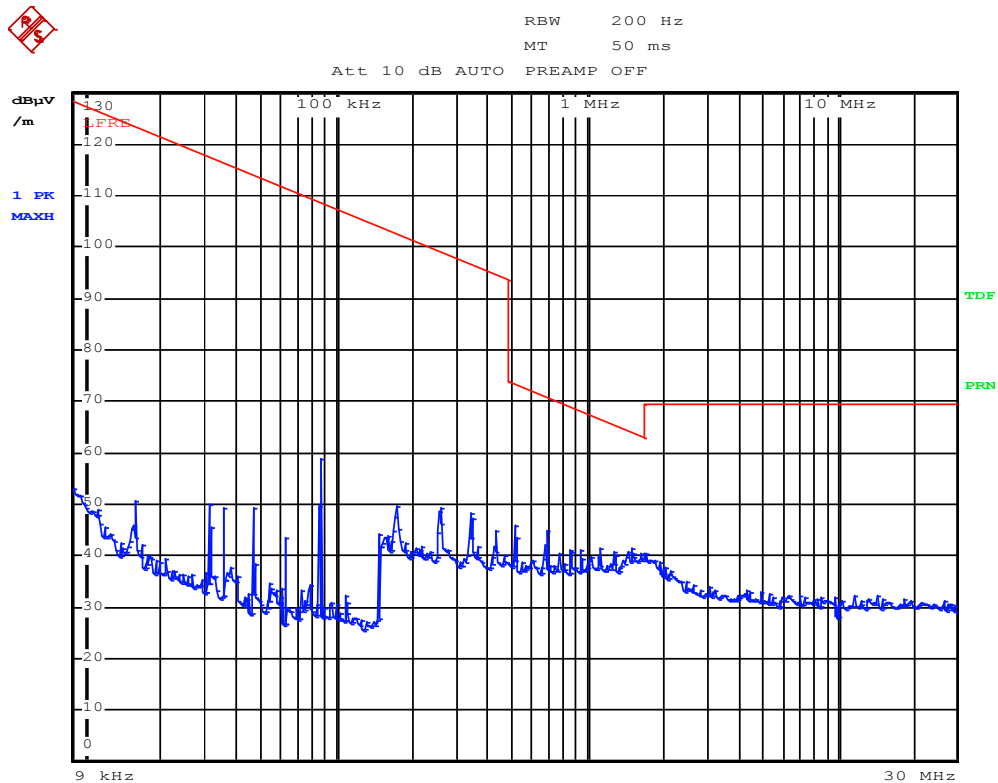
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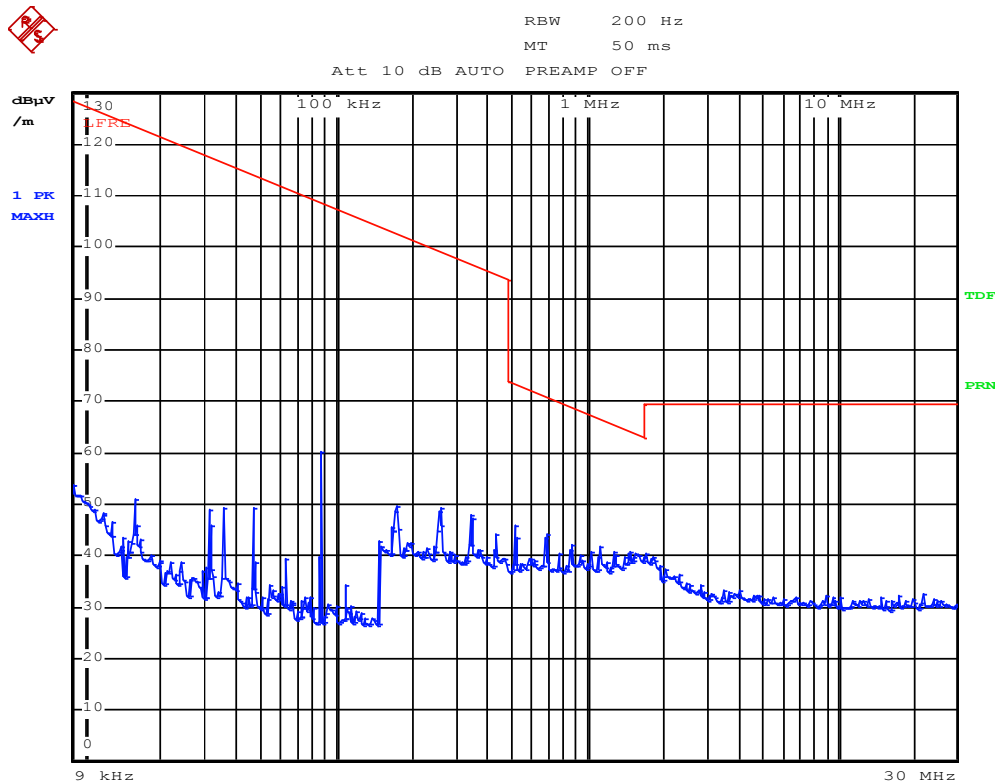
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Date: 13.JUN.2012 07:50:24



Date: 13.JUN.2012 07:52:25



Date: 13.JUN.2012 07:54:22


 Neutron Engineering Inc.
 No.3.JinShaGang 1st Road, ShiXia, DaLang Town, DongGuan, China.
 Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792

Radiated Emission Measurement

File :000000

Data #1

Date: 2012-6-12

Time: 12:32:39

80.0 dBuV/m



Site DG-CB01

 Polarization: **Horizontal**

Temperature: 21

Limit: FCC Class B 3M Radiation

Power: AC 120V/60Hz

Humidity: 51 %

EUT: HOME MUSIC CECENTRE

Distance: 3m

M/N: IF360BT

Mode: TX

Note: 2402MHZ

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	107.6000	61.99	-23.93	38.06	43.50	-5.44	peak	
2		166.7700	56.32	-21.04	35.28	43.50	-8.22	peak	
3		270.5600	55.52	-17.38	38.14	46.00	-7.86	peak	
4		432.5500	46.22	-14.09	32.13	46.00	-13.87	peak	
5		480.0800	45.82	-13.10	32.72	46.00	-13.28	peak	
6		733.2500	39.29	-8.07	31.22	46.00	-14.78	peak	

*:Maximum data x:Over limit !:over margin

<Reference Only

File :000000Data :#1

Page: 1

Engineer Signature:

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 No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
 Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792

Radiated Emission Measurement

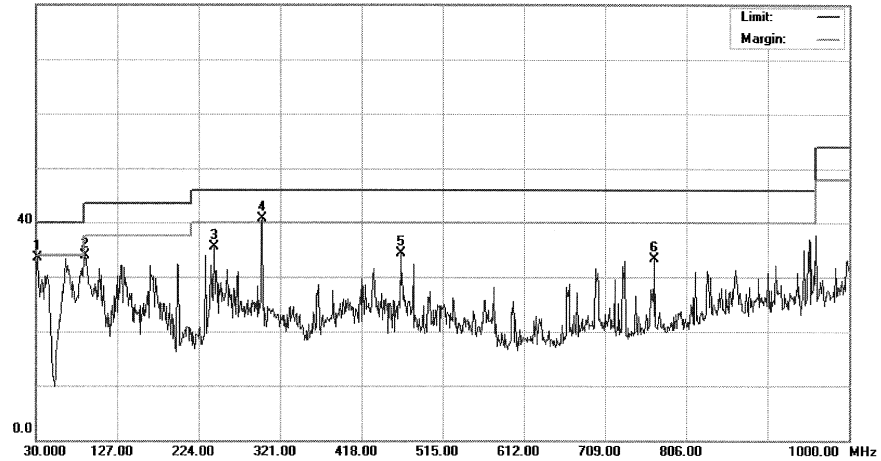
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Data :#2

Date: 2012-6-12

Time: 12:34:41

80.0 dBuV/m



Site DG-CB01

Limit: FCC Class B 3M Radiation

EUT: HOME MUSIC CECENTRE

M/N: IF360BT

Mode: TX

Note: 2402MHZ

 Polarization: **Vertical**

Temperature: 21

Power: AC 120V/60Hz

Humidity: 51 %

Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		31.9400	47.86	-14.26	33.60	40.00	-6.40	peak	
2		89.1700	58.44	-24.44	34.00	43.50	-9.50	peak	
3		242.4300	54.59	-19.14	35.45	46.00	-10.55	peak	
4	*	299.6600	57.91	-17.18	40.73	46.00	-5.27	peak	
5		464.5600	47.90	-13.60	34.30	46.00	-11.70	peak	
6		768.1700	40.89	-7.60	33.29	46.00	-12.71	peak	

*:Maximum data x:Over limit !:over margin

<Reference Only

File :000000\Data :#2

Page: 1

Engineer Signature:

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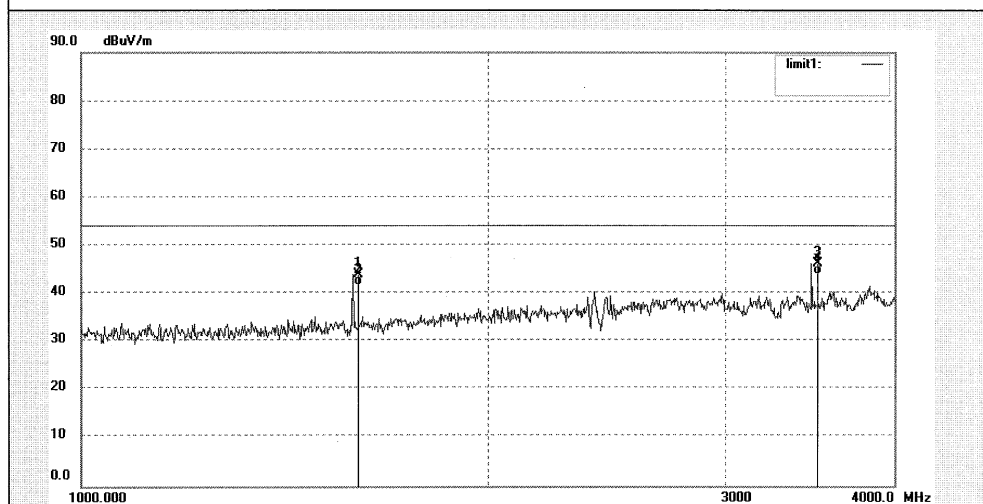

ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #9132	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/13/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 4/07/40
EUT: HOME MUSIC CENTRE	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: iF360BT	
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	1601.998	55.01	-11.07	43.94	74.00	-30.06	peak			
2	1601.998	52.87	-11.07	41.80	54.00	-12.20	AVG			
3	3505.570	49.38	-3.08	46.30	74.00	-27.70	peak			
4	3505.570	46.98	-3.08	43.90	54.00	-10.10	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #9133

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: HOME MUSIC CENTRE

Mode: TX 2402MHz

Model: iF360BT

Manufacturer: EDIFIER

Polarization: Vertical

Power Source: AC 120V/60Hz

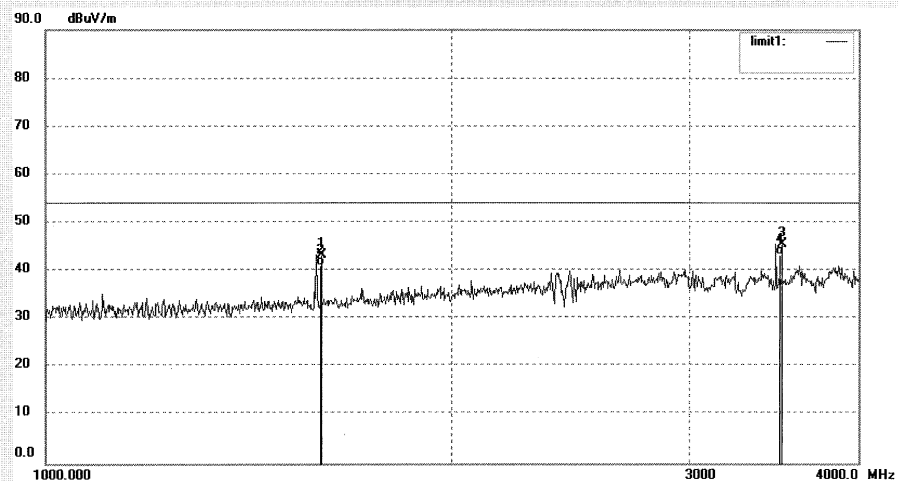
Date: 12/06/13/

Time: 4/15/02

Engineer Signature: PEI

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	1602.052	54.32	-11.07	43.25	74.00	-30.75	peak			
2	1602.052	52.07	-11.07	41.00	54.00	-13.00	AVG			
3	3505.538	48.60	-3.08	45.52	74.00	-28.48	peak			
4	3505.538	46.48	-3.08	43.40	54.00	-10.60	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #9123

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: HOME MUSIC CENTRE

Mode: TX 2402MHz

Model: iF360BT

Manufacturer: EDIFIER

Polarization: Horizontal

Power Source: AC 120V/60Hz

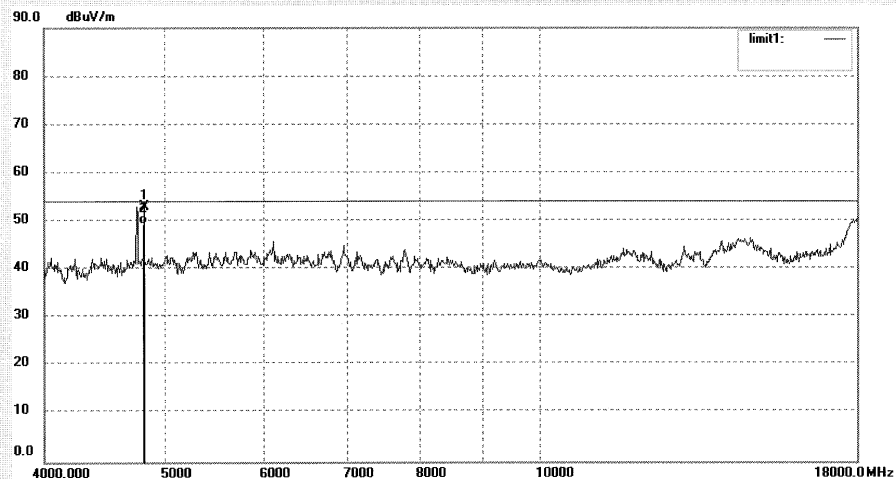
Date: 12/06/13/

Time: 3/00/25

Engineer Signature: PEI

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	4804.262	53.19	-0.30	52.89	74.00	-21.11	peak			
2	4804.262	49.60	-0.30	49.30	54.00	-4.70	AVG			

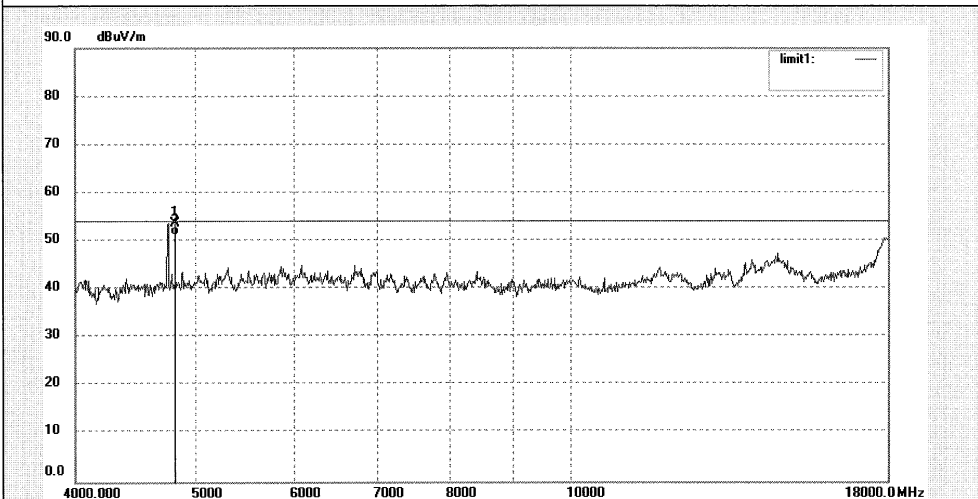

ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #9122	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/06/13/
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 2/51/22
EUT: HOME MUSIC CENTRE	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: iF360BT	
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	4804.292	54.07	-0.30	53.77	74.00	-20.23	peak			
2	4804.292	51.40	-0.30	51.10	54.00	-2.90	AVG			

Prüfbericht - Nr.: 17026508 001
Test Report No.
Seite 43 von 144
Page 43 of 144

ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #9145

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: HOME MUSIC CENTRE

Mode: TX 2402MHz

Model: iF360BT

Manufacturer: EDIFIER

Polarization: Horizontal

Power Source: AC 120V/60Hz

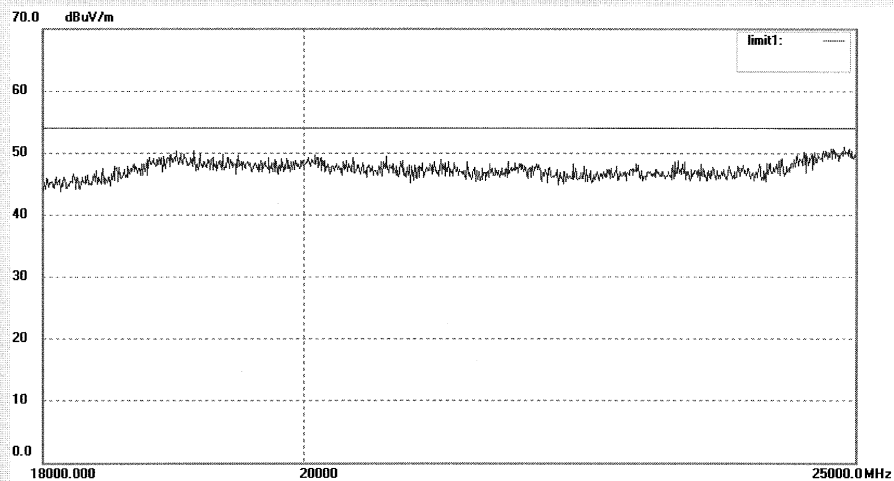
Date: 12/06/13/

Time: 6/15/24

Engineer Signature: PEI

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
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Prüfbericht - Nr.: 17026508 001
Test Report No.
Seite 44 von 144
Page 44 of 144

ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #9144

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: HOME MUSIC CENTRE

Mode: TX 2402MHz

Model: iF360BT

Manufacturer: EDIFIER

Polarization: Vertical

Power Source: AC 120V/60Hz

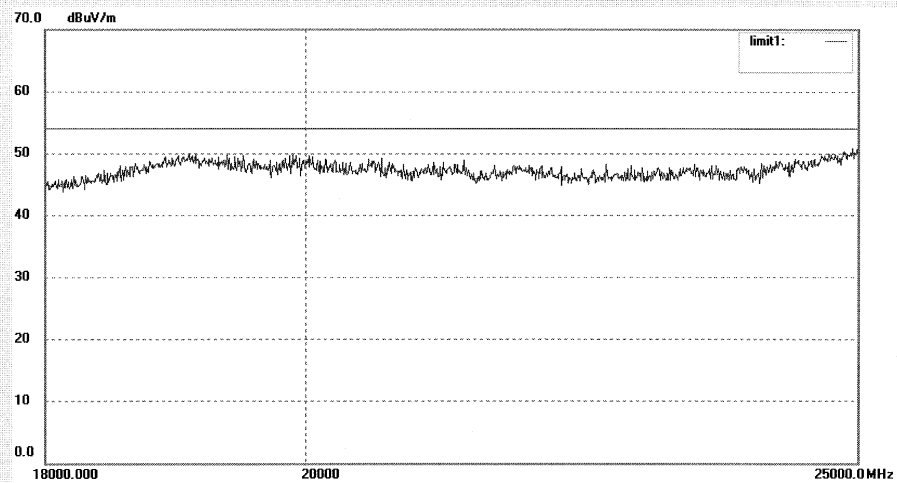
Date: 12/06/13/

Time: 6/07/16

Engineer Signature: PEI

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
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 Neutron
 Engineering Inc.

 Neutron Engineering Inc.
 No.3 JinShaGang 1st Road, ShiXia, DaLang Town, DongGuan, China.
 Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792

Radiated Emission Measurement

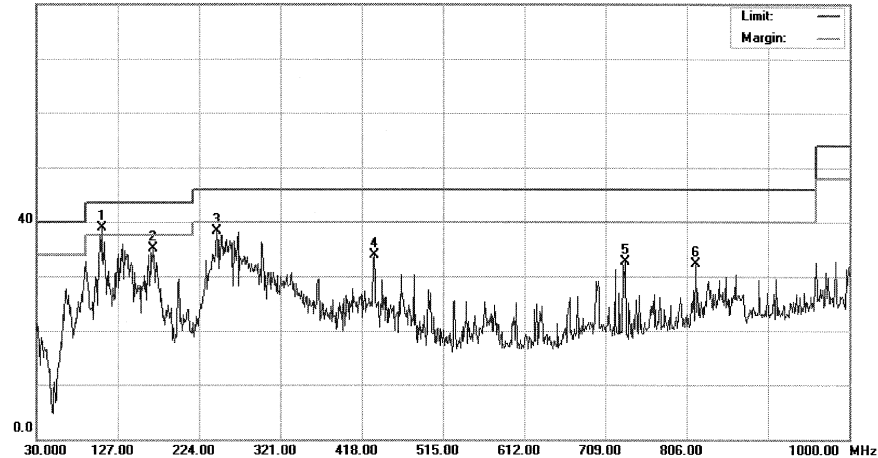
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Data :#5

Date: 2012-6-12

Time: 12:47:23

80.0 dBuV/m



Site DG-CB01

 Polarization: **Horizontal**

Temperature: 21

Limit: FCC Class B 3M Radiation

Power: AC 120V/60Hz

Humidity: 51 %

EUT: HOME MUSIC CECENTRE

Distance: 3m

M/N: IF360BT

Mode: TX

Note: 2441MHZ

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	107.6000	62.75	-23.93	38.82	43.50	-4.68	peak	
2		168.7100	56.21	-21.02	35.19	43.50	-8.31	peak	
3		245.3400	57.37	-19.04	38.33	46.00	-7.67	peak	
4		432.5500	47.93	-14.09	33.84	46.00	-12.16	peak	
5		733.2500	40.84	-8.07	32.77	46.00	-13.23	peak	
6		816.6700	38.06	-5.73	32.33	46.00	-13.67	peak	

*:Maximum data x:Over limit !:over margin

<Reference Only

File :000000\Data :#5

Page: 1

Engineer Signature:

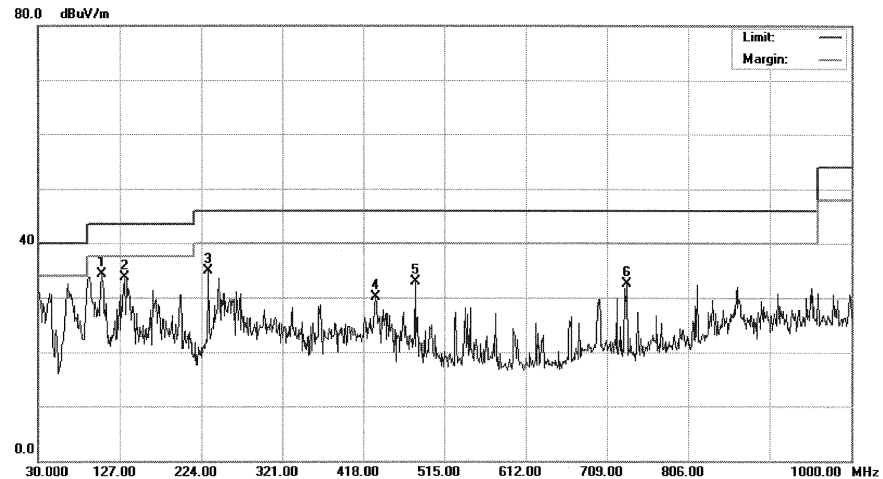
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 No.3.JinShaGang 1st Road,ShiXia,DaLang Town,DongGuan,China.
 Tel: (0769)-8318-3000 Fax: (0769)-8319-6000 Post Code: 523792

Radiated Emission Measurement

File :000000 Data :#6 Date: 2012-6-12 Time: 12:49:07



Site DG-CB01

 Polarization: **Vertical**

Temperature: 21

Limit: FCC Class B 3M Radiation

Power: AC 120V/60Hz

Humidity: 51 %

EUT: HOME MUSIC CECENTRE

Distance: 3m

M/N: IF360BT

Mode: TX

Note: 2441MHZ

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	105.6600	58.02	-23.81	34.21	43.50	-9.29	peak	
2		132.8200	57.72	-24.00	33.72	43.50	-9.78	peak	
3		232.7300	54.88	-20.02	34.86	46.00	-11.14	peak	
4		432.5500	44.26	-14.09	30.17	46.00	-15.83	peak	
5		480.0800	46.07	-13.10	32.97	46.00	-13.03	peak	
6		733.2500	40.64	-8.07	32.57	46.00	-13.43	peak	

*:Maximum data x:Over limit !:over margin

<Reference Only

File :000000\Data :#6

Page: 1

Engineer Signature:

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #9131

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: HOME MUSIC CENTRE

Mode: TX 2441MHz

Model: iF360BT

Manufacturer: EDIFIER

Polarization: Horizontal

Power Source: AC 120V/60Hz

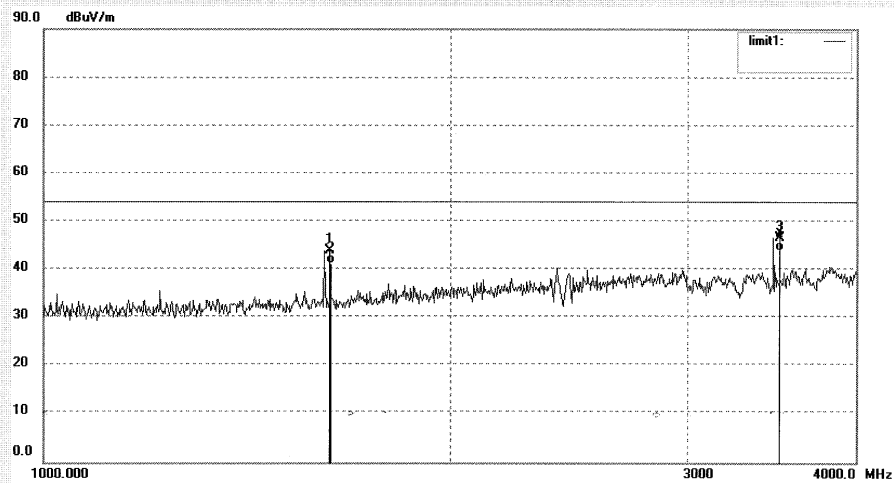
Date: 12/06/13/

Time: 3/59/01

Engineer Signature: PEI

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	1628.006	54.83	-10.90	43.93	74.00	-30.07	peak			
2	1628.006	52.18	-10.90	41.28	54.00	-12.72	AVG			
3	3505.567	49.80	-3.08	46.72	74.00	-27.28	peak			
4	3505.567	46.98	-3.08	43.90	54.00	-10.10	AVG			


ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #9130

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: HOME MUSIC CENTRE

Mode: TX 2441MHz

Model: iF360BT

Manufacturer: EDIFIER

Polarization: Vertical

Power Source: AC 120V/60Hz

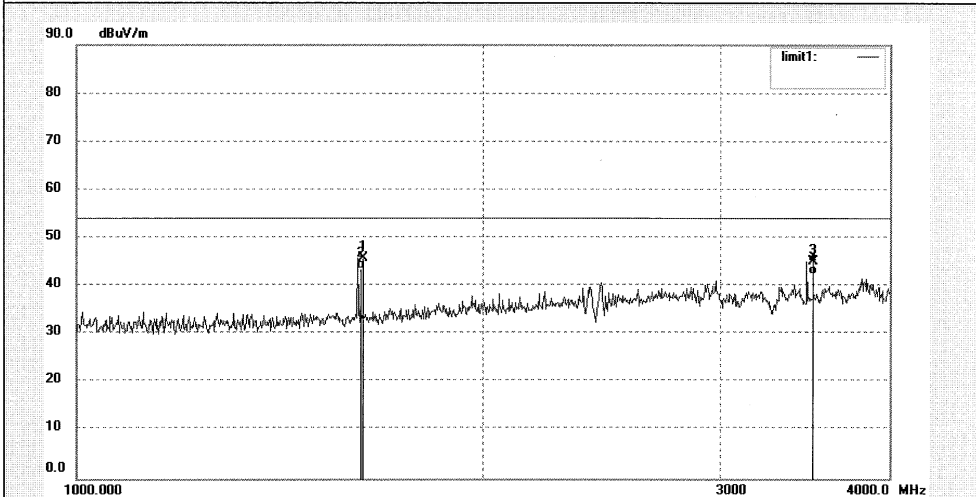
Date: 12/06/13/

Time: 3/52/13

Engineer Signature: PEI

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	1628.017	56.64	-10.90	45.74	74.00	-28.26	peak			
2	1628.017	54.40	-10.90	43.50	54.00	-10.50	AVG			
3	3505.586	48.23	-3.08	45.15	74.00	-28.85	peak			
4	3505.586	45.58	-3.08	42.50	54.00	-11.50	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #9124

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: HOME MUSIC CENTRE

Mode: TX 2441MHz

Model: iF360BT

Manufacturer: EDIFIER

Polarization: Horizontal

Power Source: AC 120V/60Hz

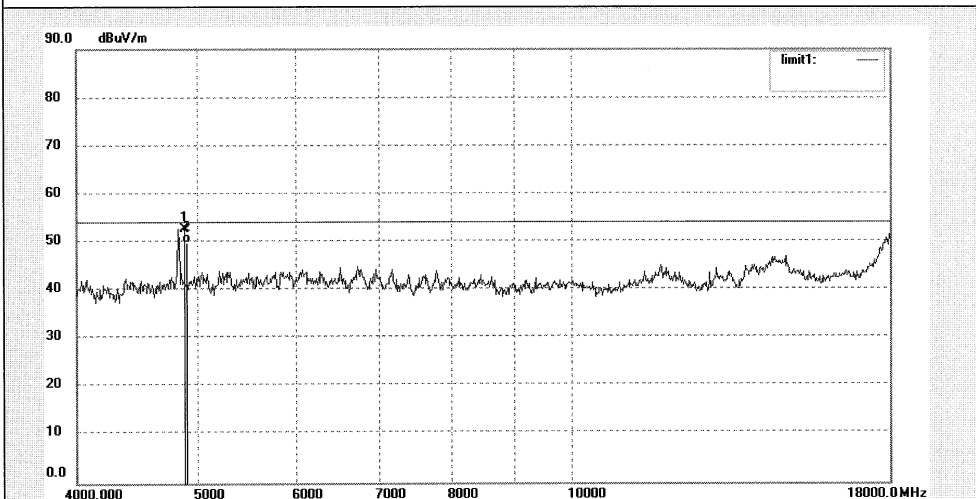
Date: 12/06/13/

Time: 3/09/04

Engineer Signature: PEI

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	4882.270	52.73	0.14	52.87	74.00	-21.13	peak			
2	4882.270	49.76	0.14	49.90	54.00	-4.10	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #9125

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: HOME MUSIC CENTRE

Mode: TX 2441MHz

Model: iF360BT

Manufacturer: EDIFIER

Polarization: Vertical

Power Source: AC 120V/60Hz

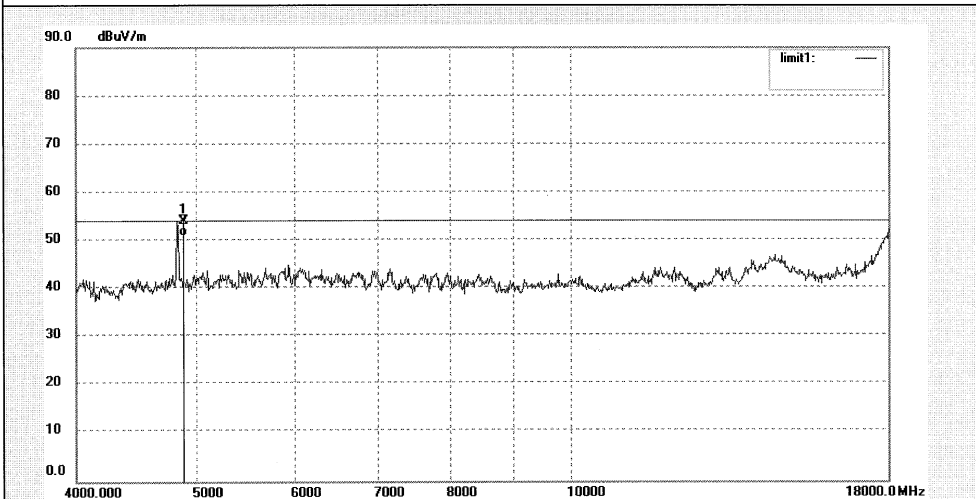
Date: 12/06/13/

Time: 3/16/06

Engineer Signature: PEI

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	4882.265	53.96	0.14	54.10	74.00	-19.90	peak			
2	4882.265	50.88	0.14	51.02	54.00	-2.98	AVG			