TÜVRheinland®

Produkte
Products

Prüfbericht - Nr.: *Test Report No.:*	**17026835 001**	**Seite 1 von 110** *Page 1 of 110*
Auftraggeber: *Client:*	**Edifier International Limited** **Room 2207-9, Tower Two, Lippo Centre 89 Queensway, Hong Kong**	
Gegenstand der Prüfung: *Test item:*	**MULTIMEDIA SPEAKER**	
Bezeichnung: *Identification:*	**iF330BT**	**Serien-Nr.:** *Serial No.:* n.a.
Wareneingangs-Nr.: *Receipt No.:*	**163094090**	**Eingangsdatum:** *Date of receipt:* 07.06.2012
Zustand des Prüfgegenstandes bei Anlieferung: *Condition of test item at delivery:*	Test samples received are sufficient for testing and not damaged.	
Prüfort: *Testing location:*	**Accurate Technology Co., Ltd.** **F1, Bldg. A, Changyuan New Material Port, Keyuan Rd., Science & Industry Park, Nanshan, Shenzhen, P.R. China**	
Prüfgrundlage: *Test specification:*	**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: *Test Result:*	**Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n).** *The test item passed the test specification(s).*	
Prüflaboratorium: *Testing Laboratory:*	**TÜV Rheinland (Shenzhen) Co., Ltd.**	

geprüft/ *tested by:*			**kontrolliert/** *reviewed by:*		
27.07.2012	Owen Tian/Project Manager		27.07.2012	Sam Lin/Technical Certifier	
Datum *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*

Sonstiges/ *Other Aspects:*

Abkürzungen:				*Abbreviations:*			
	P(ass)	=	*entspricht Prüfgrundlage*		*P(ass)*	=	*passed*
	F(ail)	=	*entspricht nicht Prüfgrundlage*		*F(ail)*	=	*failed*
	N/A	=	*nicht anwendbar*		*N/A*	=	*not applicable*
	N/T	=	*nicht getestet*		*N/T*	=	*not tested*

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

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	2013-01-07
Test Receiver	Rohde & Schwarz	ESCS30	100307	2013-01-07
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2013-01-07
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2013-01-07
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2013-01-07
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2013-01-07
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2013-01-07
RF Coaxial Cable	SUHNER	N-3m	No.8	2013-01-07
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2013-01-07
RF Coaxial Cable	SUHNER	N-6m	No.10	2013-01-07
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2013-01-07
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2013-01-07
Pre-Amplifier	Rohde & Schwarz	CBLU1183540-01	3791	2013-01-07
Radio Spectrum Test				
Spectrum Analyzer	Rohde & Schwarz	ESPI3	100396/003	2013-01-07
Temp. & Humid. Chamber	Gongwen	HSD-500	0109	2013-01-07
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2013-01-07
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	2013-01-07
L.I.S.N.	Rohde & Schwarz	ESH3-Z5	100310	2013-01-07
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	2013-01-07
50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	2013-01-07
RF Coaxial Cable	SUHNER	N-2m	No.3	2013-01-07
Radiated Emission				
Spectrum Analyzer	Agilent	E7405A	MY45115511	2013-01-07
Test Receiver	Rohde & Schwarz	ESCS30	100307	2013-01-07
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2013-01-07
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2013-01-07
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2013-01-07
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2013-01-07
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2013-01-07
RF Coaxial Cable	SUHNER	N-3m	No.8	2013-01-07
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2013-01-07
RF Coaxial Cable	SUHNER	N-6m	No.10	2013-01-07
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2013-01-07
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2013-01-07
Pre-Amplifier	Rohde & Schwarz	CBLU1183540-01	3791	2013-01-07

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

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

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Radio Spectrum	< ± 0.60 dB
Radiated emission of transmitter, valid up to 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 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	iF330BT
Operating Frequency band	2402 – 2480MHz
Channel separation	1MHz
Extreme Temperature Range	-20~+45℃
Operation Voltage	DC 12V, 1.65A
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. iPod input
   3. AUX input
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 of Adapter	2 cores, non-shielded port, 3m	AC Power Input
DC power input of EUT	2 cores, non-shielded port, 3m	DC Power Input
Line input	2 cores, non-shielded port, 3m	Audio Input

4.4 Countermeasures to achieve EMC Compliance

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

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

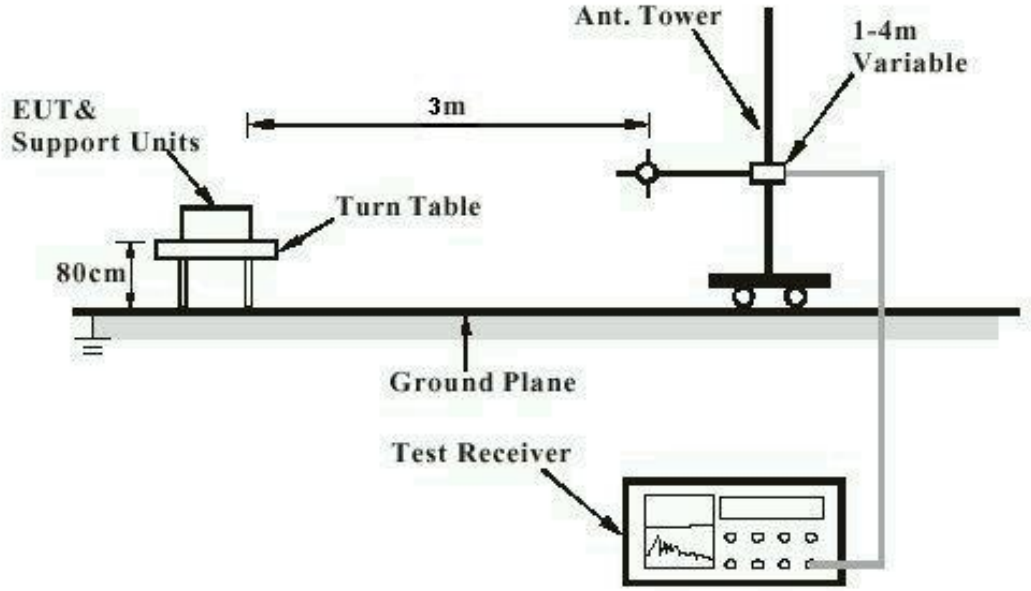


Diagram of Measurement Equipment Configuration for Conduction Measurement

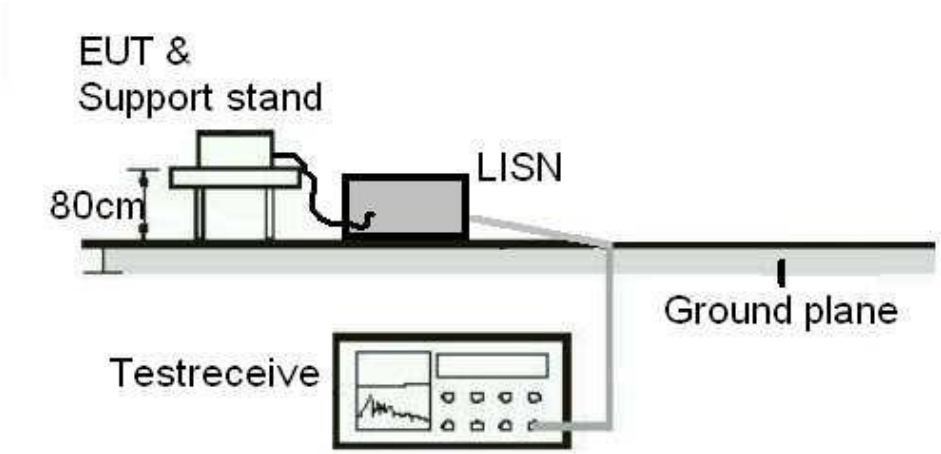
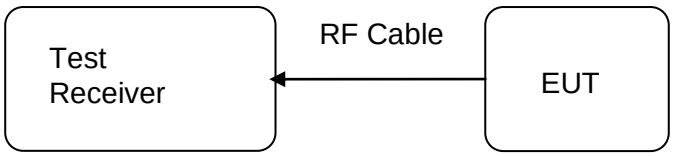


Diagram of Measurement Equipment Configuration for Transmitter Measurement



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 0dBi, Therefore the EUT is considered sufficient to comply with the provision.

5.1.2 Peak Output Power

RESULT: **Pass**

Test date	:	2012-06-27
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

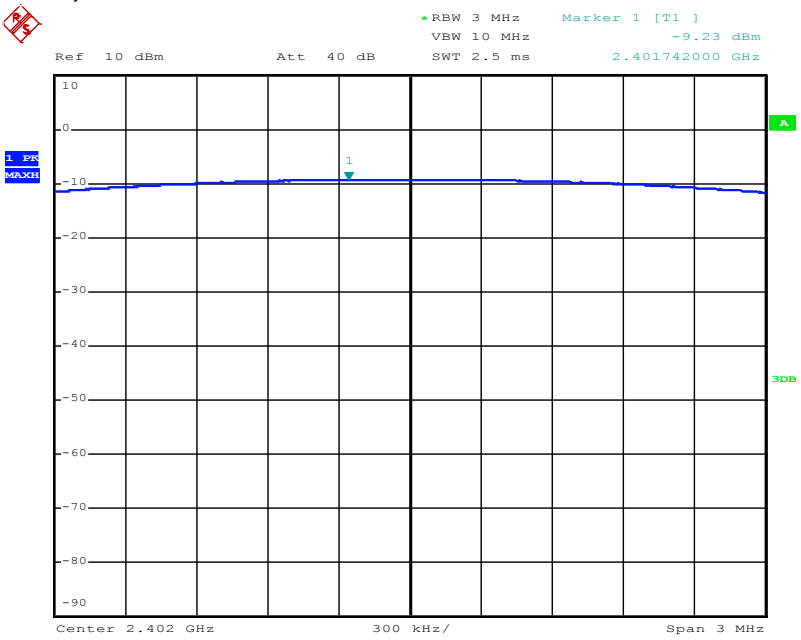
Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1
Ambient temperature	:	25℃
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

Table 4: Test result of Peak Output Power

Channel	Channel Frequency (MHz)	Peak Output Power (mW)		Limit (mW)
		BDR	EDR	
Low Channel	2402	0.119	0.112	125
Middle Channel	2441	0.107	0.097	125
High Channel	2480	0.087	0.101	125

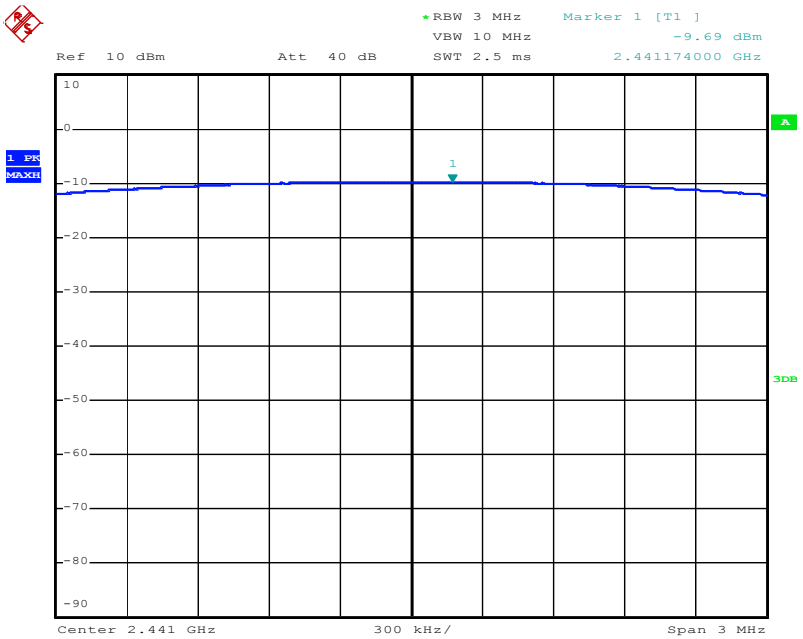
Test Plot of Peak Output Power

Low Channel, BDR mode



Date: 27.JUN.2012 20:32:03

Middle Channel, BDR mode



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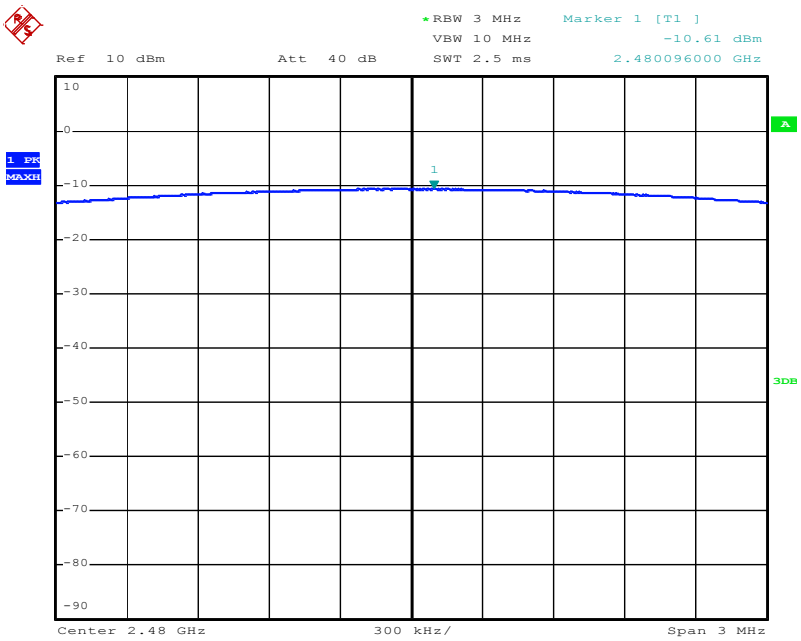
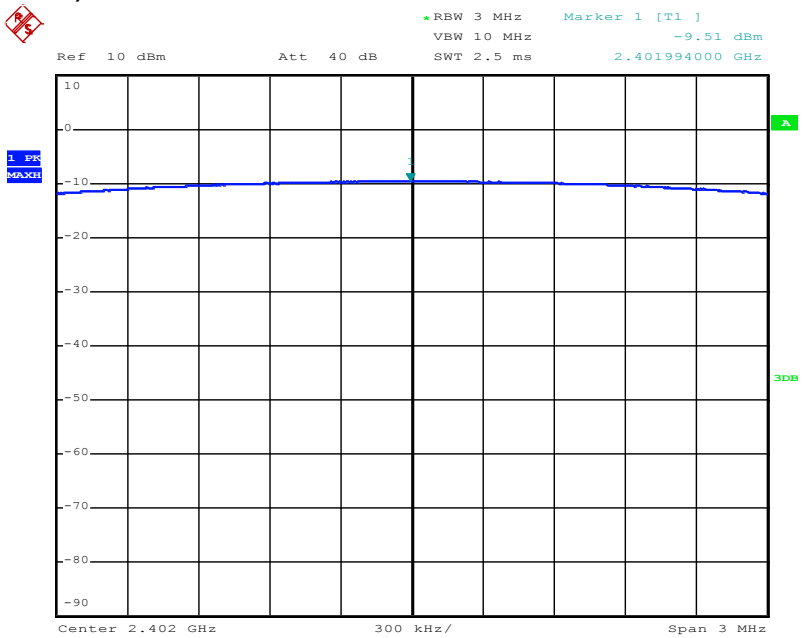
High Channel, BDR mode



Date: 27.JUN.2012 20:34:58

Low Channel, EDR mode



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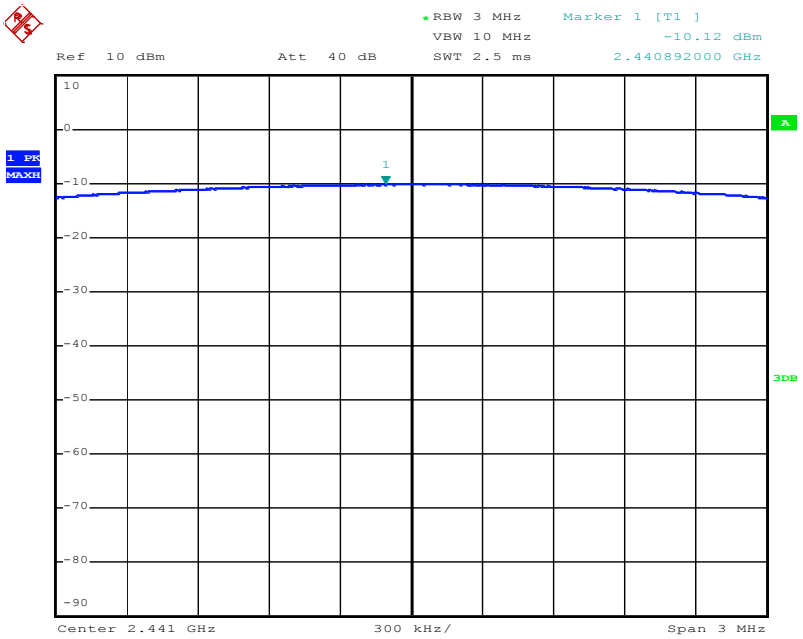
Middle Channel, EDR mode



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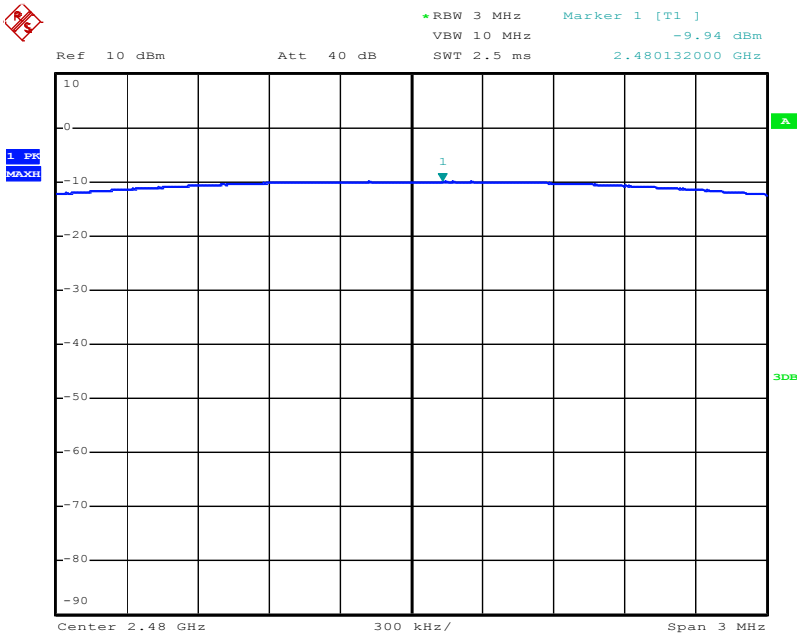
High Channel, EDR mode



Date: 27.JUN.2012 20:33:45

5.1.3 20dB Bandwidth and 99% Bandwidth

RESULT: **Pass**

Date of testing	:	2012-06-27
Test standard	:	FCC Part 15.247(a)(1) RSS-210 A8.1(a)
Basic standard	:	ANSI C63.4: 2003
Kind of test site	:	Shielded room

Test setup

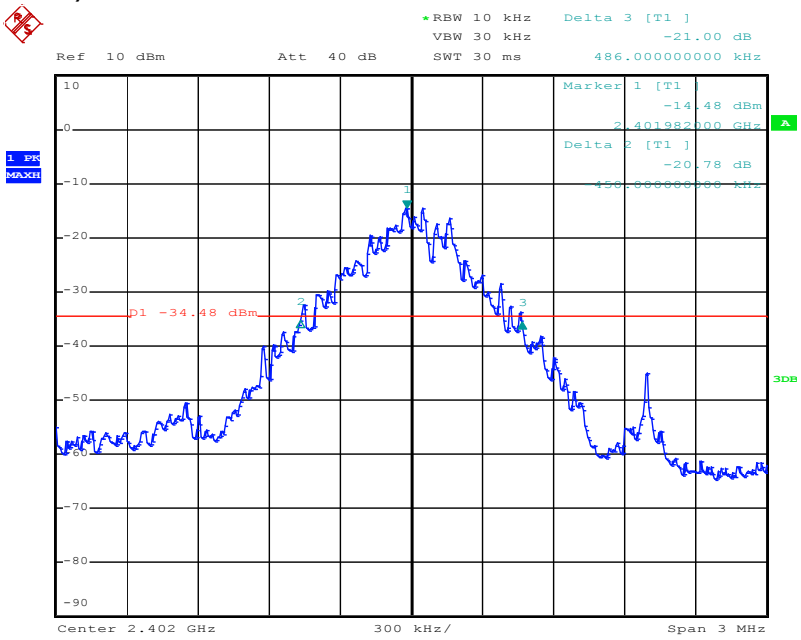
Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1
Ambient temperature	:	25℃
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

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	0.936	1.344	0.960	1.266
Mid Channel	2441	0.936	1.302	0.966	1.260
High Channel	2480	0.936	1.278	0.966	1.236

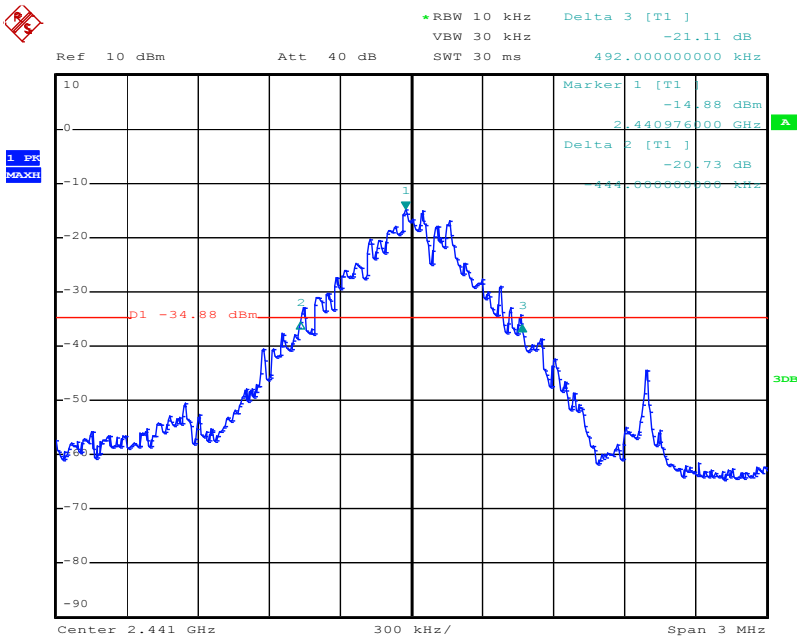
Test Plot of 20dB Bandwidth

Low Channel, BDR mode



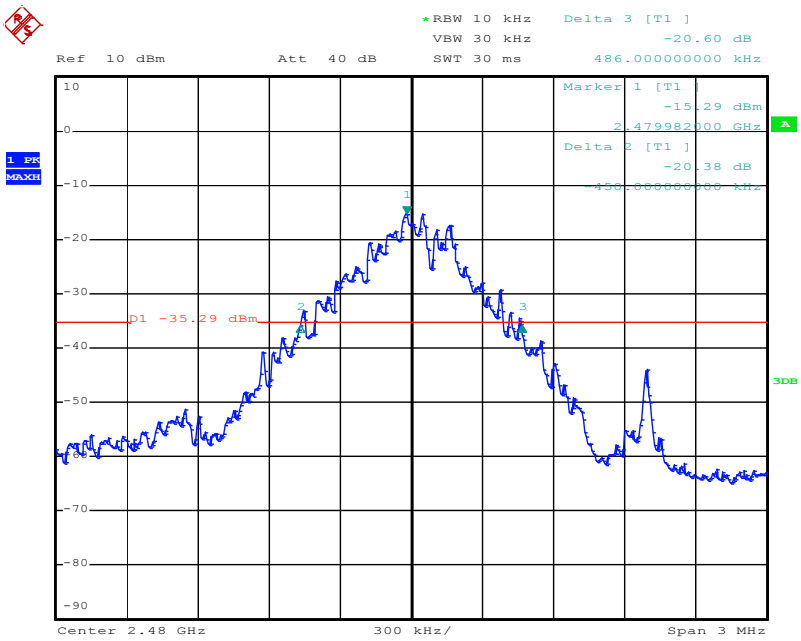
Date: 27.JUN.2012 19:44:27

Middle Channel, BDR mode



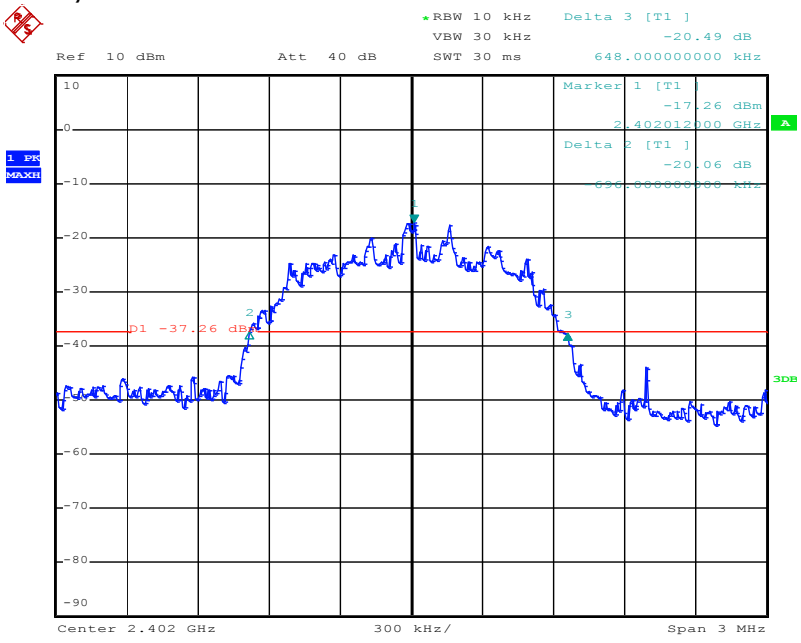
Date: 27.JUN.2012 19:46:32

High Channel, BDR mode



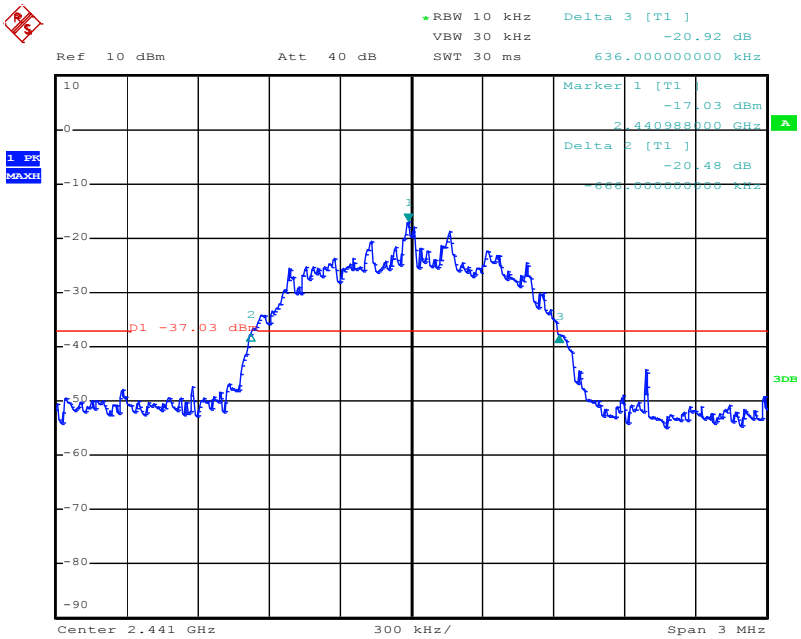
Date: 27.JUN.2012 19:48:34

Low Channel, EDR mode



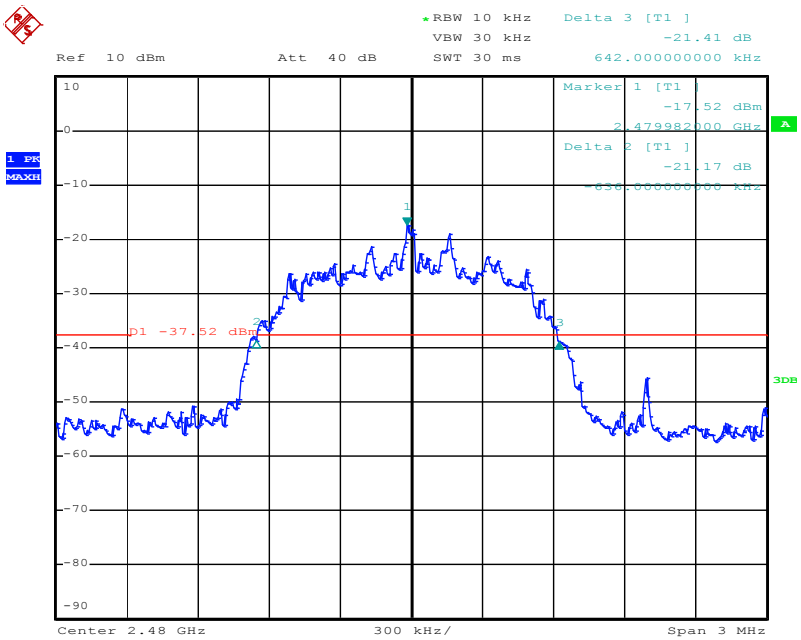
Date: 27.JUN.2012 19:54:00

Middle Channel, EDR mode



Date: 27.JUN.2012 19:52:33

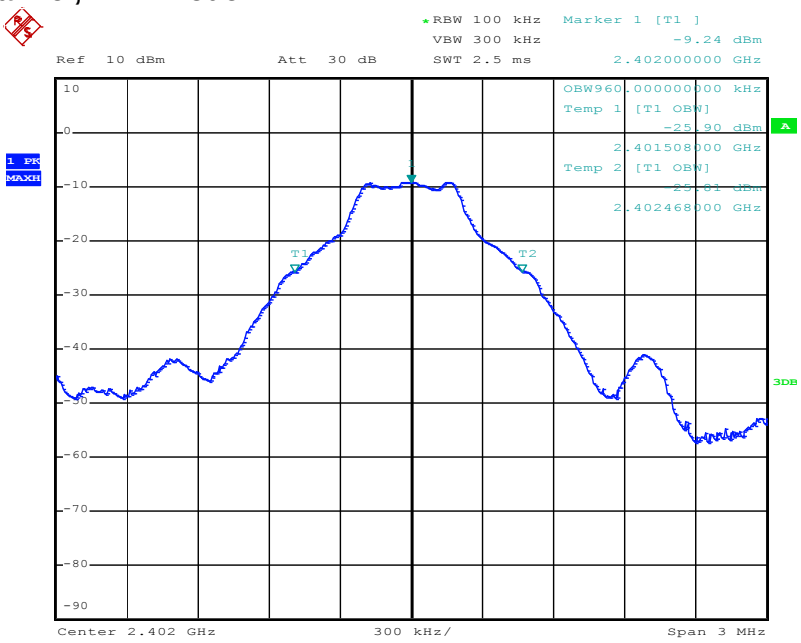
High Channel, EDR mode



Date: 27.JUN.2012 19:50:55

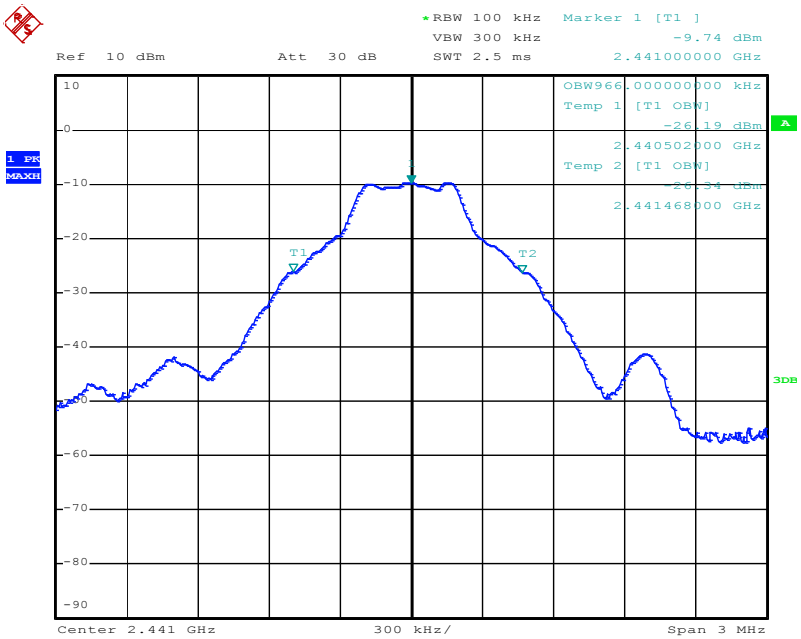
Test Plot of 99% Bandwidth

Low Channel, BDR mode



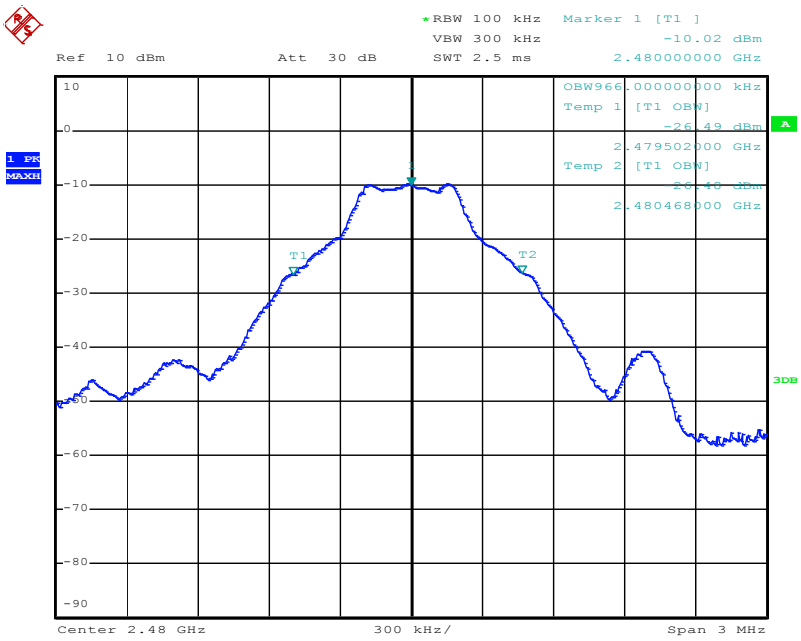
Date: 27.JUN.2012 20:02:35

Middle Channel, BDR mode



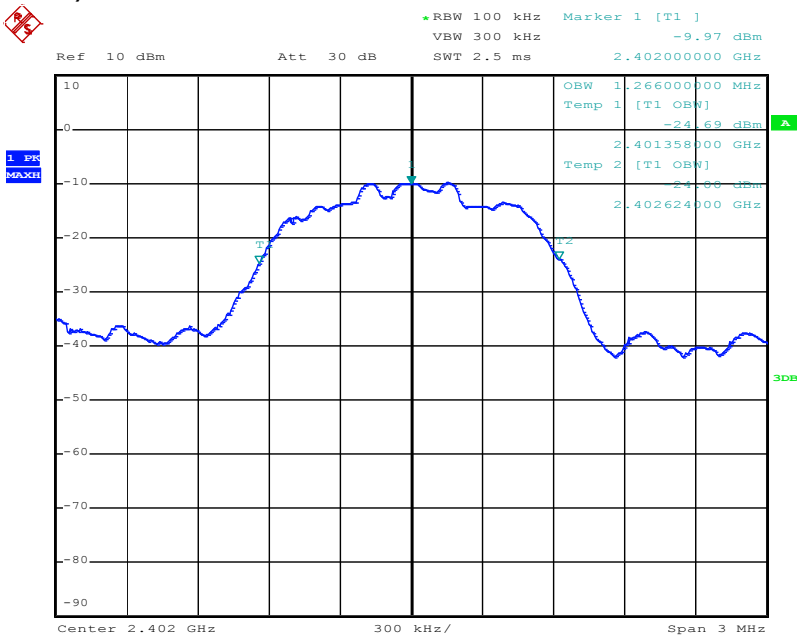
Date: 27.JUN.2012 20:01:35

High Channel, BDR mode



Date: 27.JUN.2012 20:00:18

Low Channel, EDR mode



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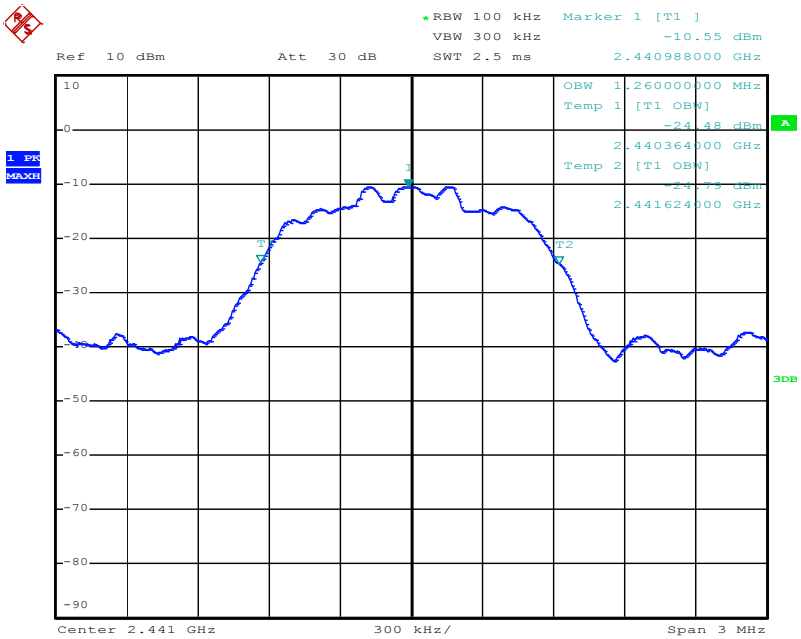
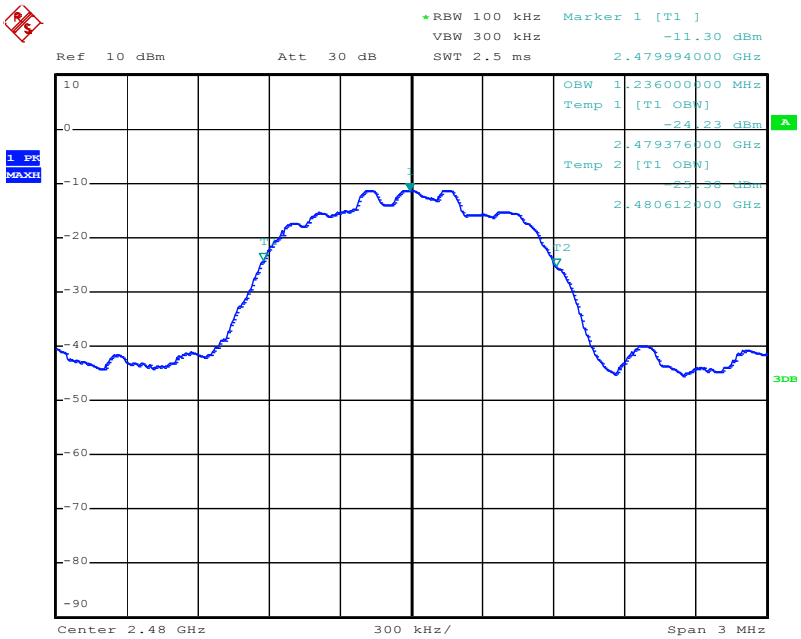
Middle Channel, EDR mode



Date: 27.JUN.2012 19:57:10

High Channel, EDR mode



Date: 27.JUN.2012 19:58:56

5.1.4 Conducted Spurious Emissions measured in 100kHz Bandwidth

RESULT: **Pass**

Date of testing	:	2012-06-27
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

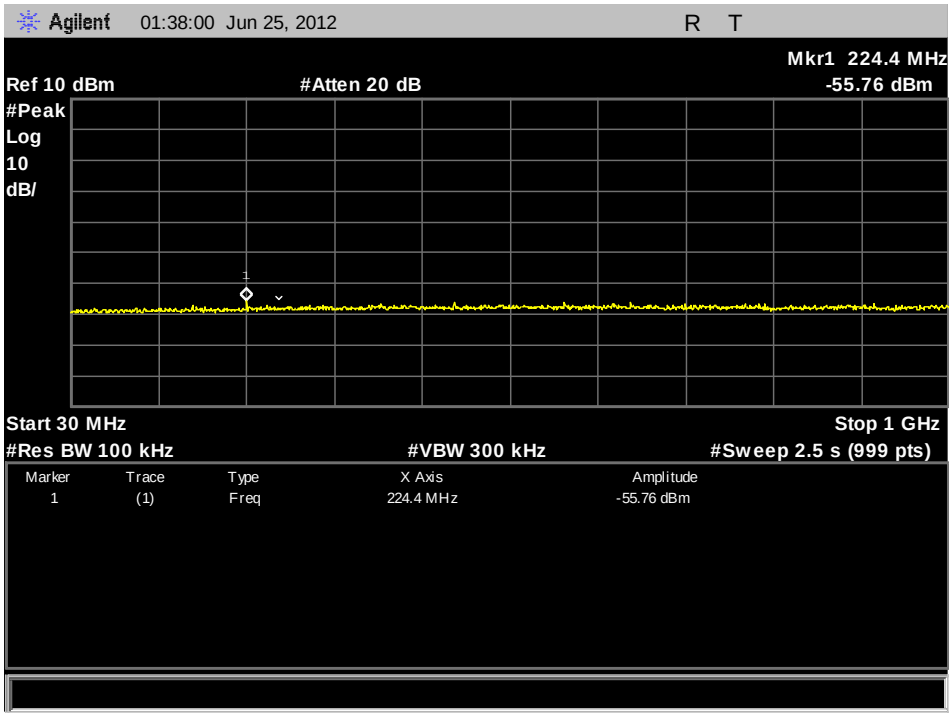
Test setup

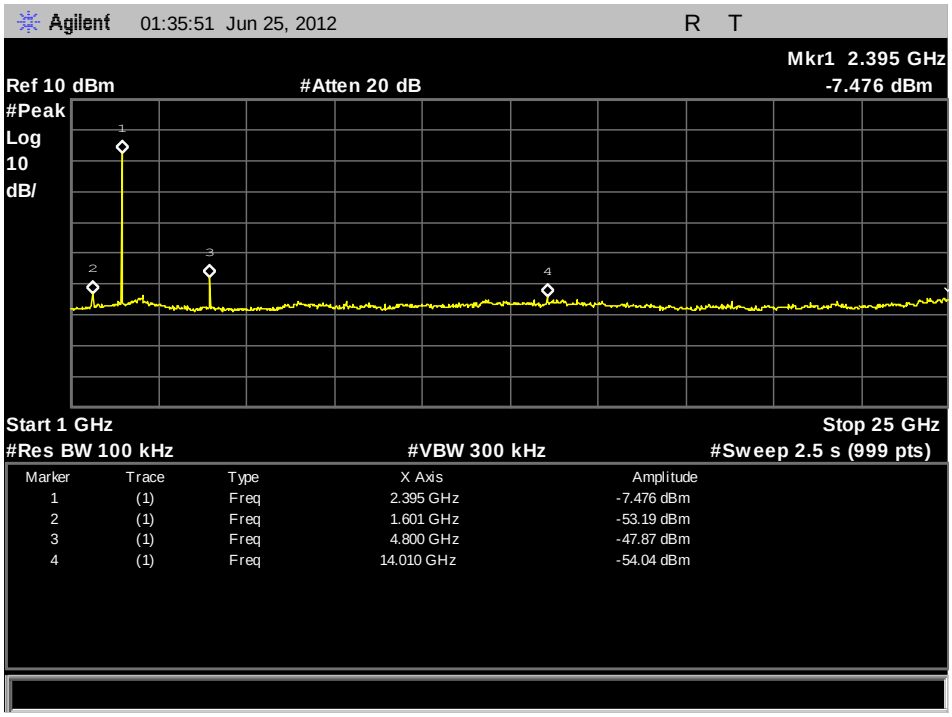
Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1
Ambient temperature	:	25℃
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

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

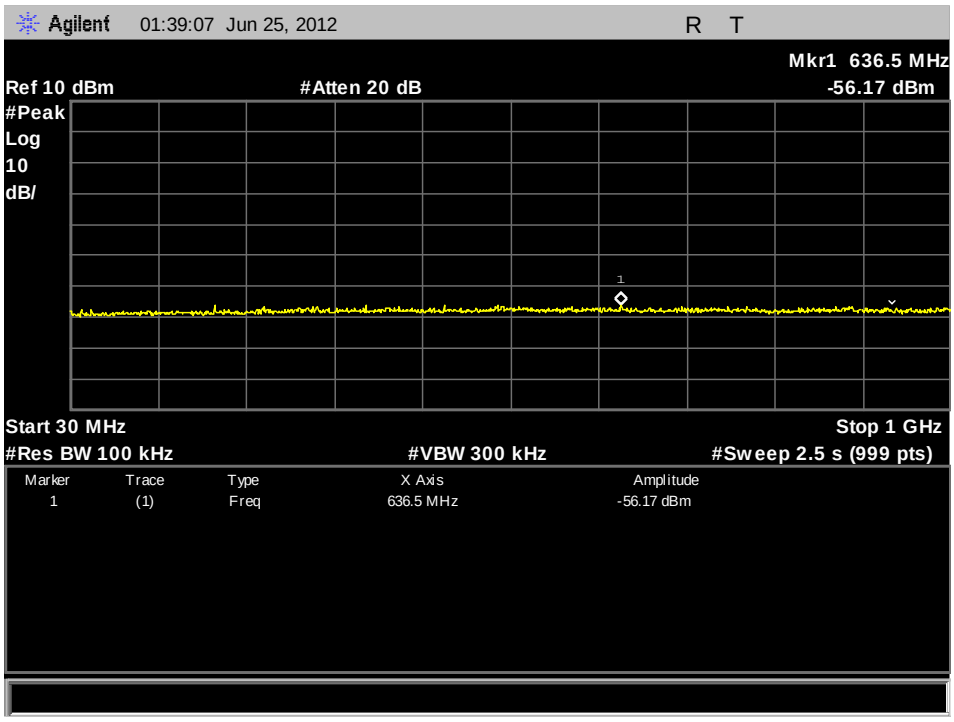
Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth

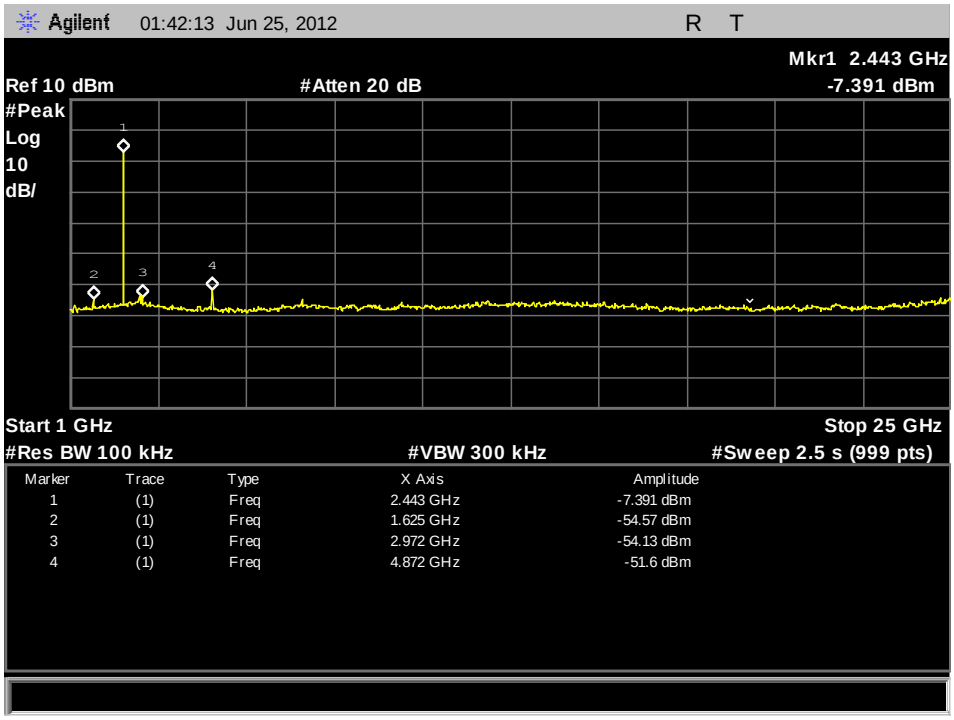
Low Channel, BDR mode



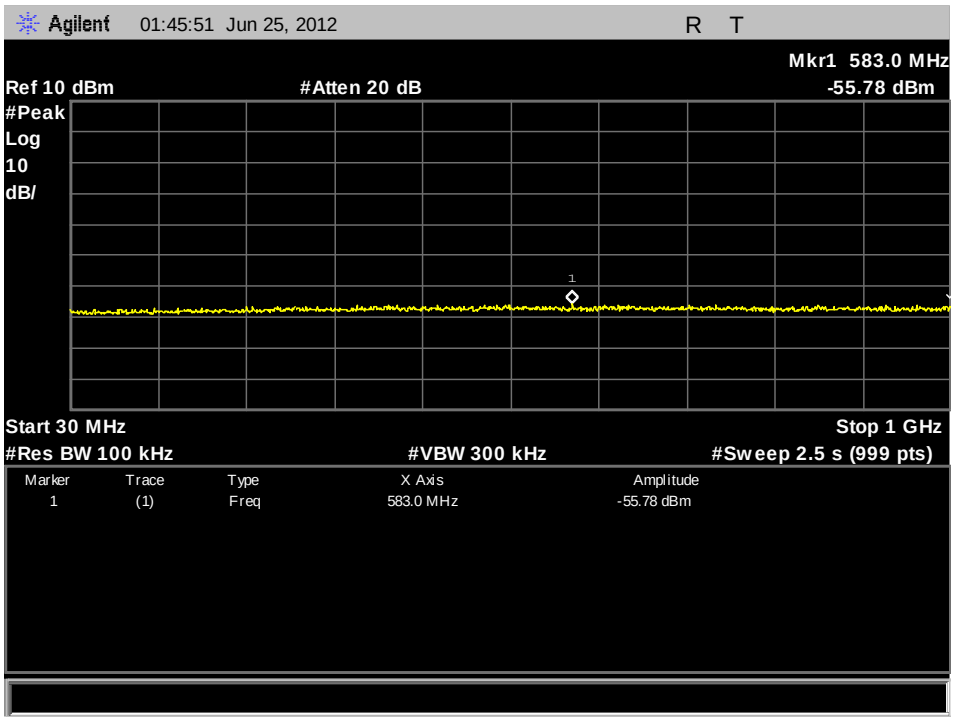


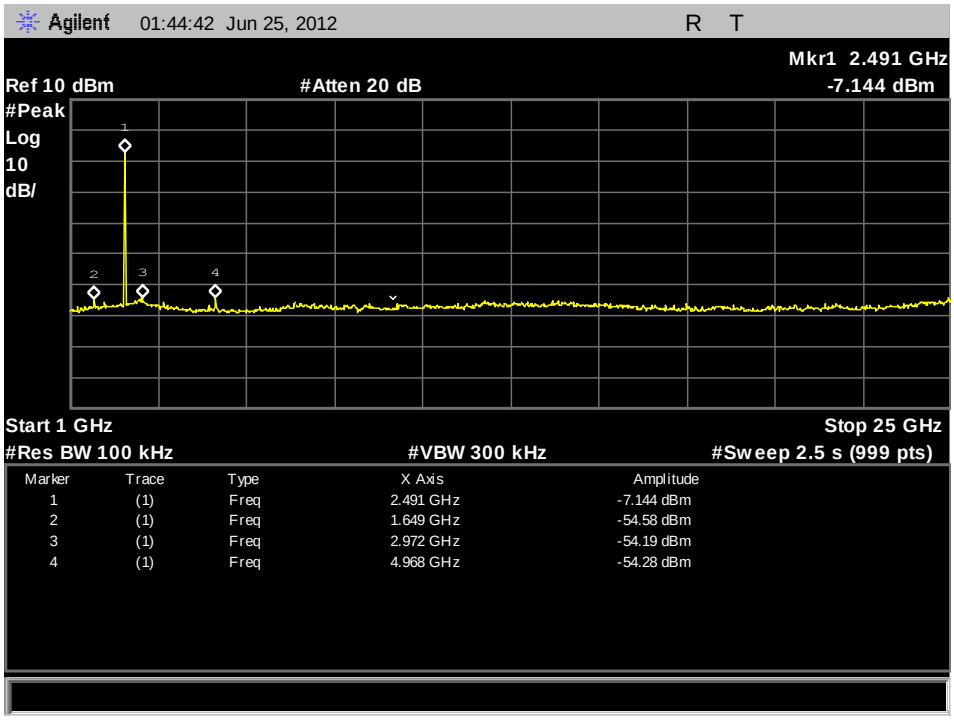
Middle Channel, BDR mode



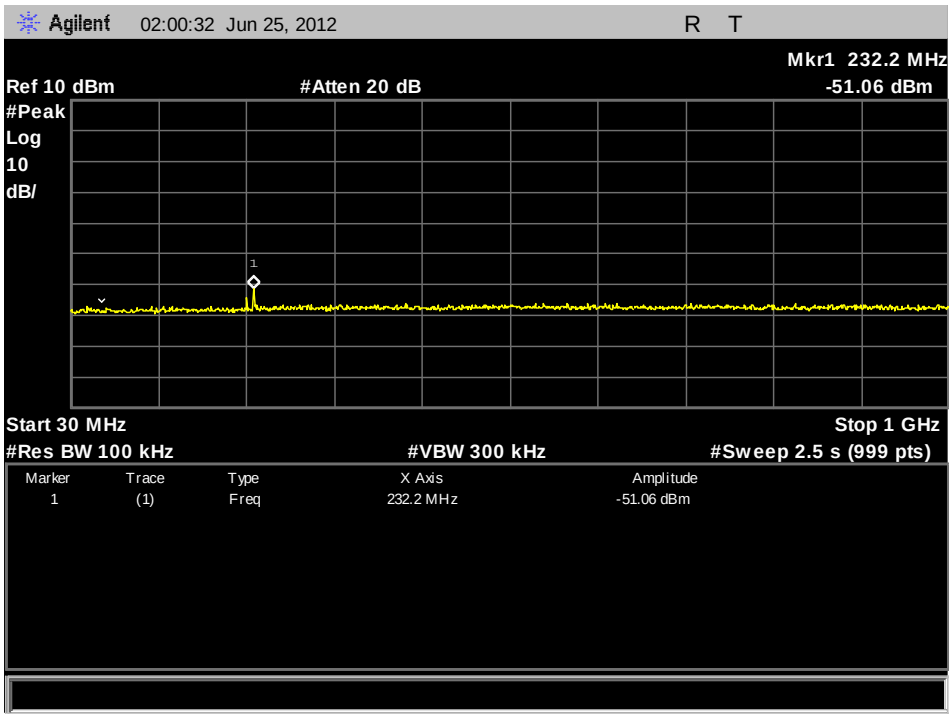


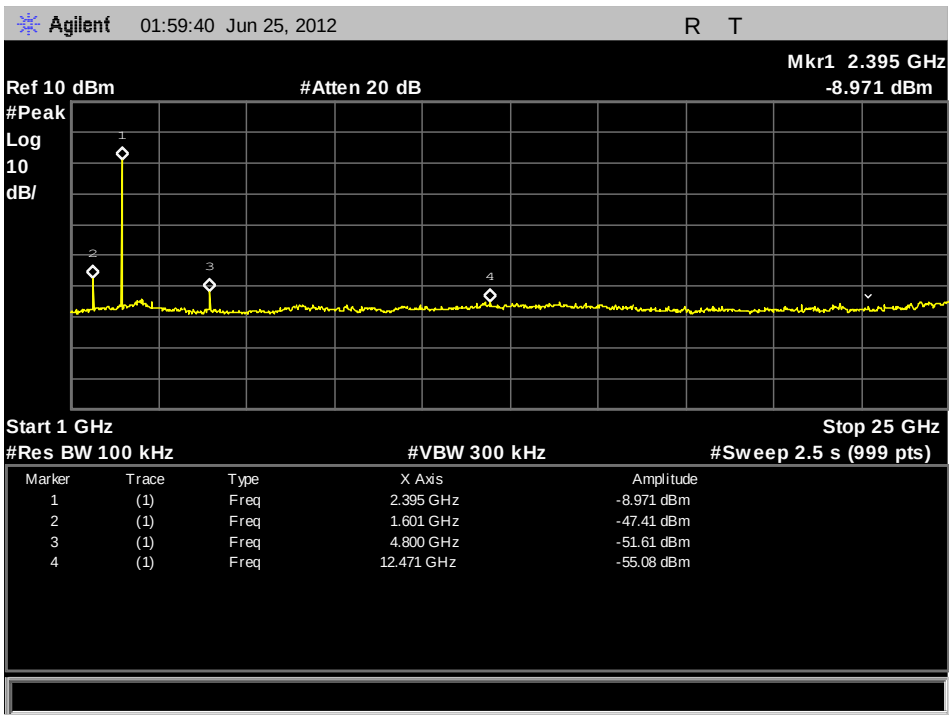
High Channel, BDR mode



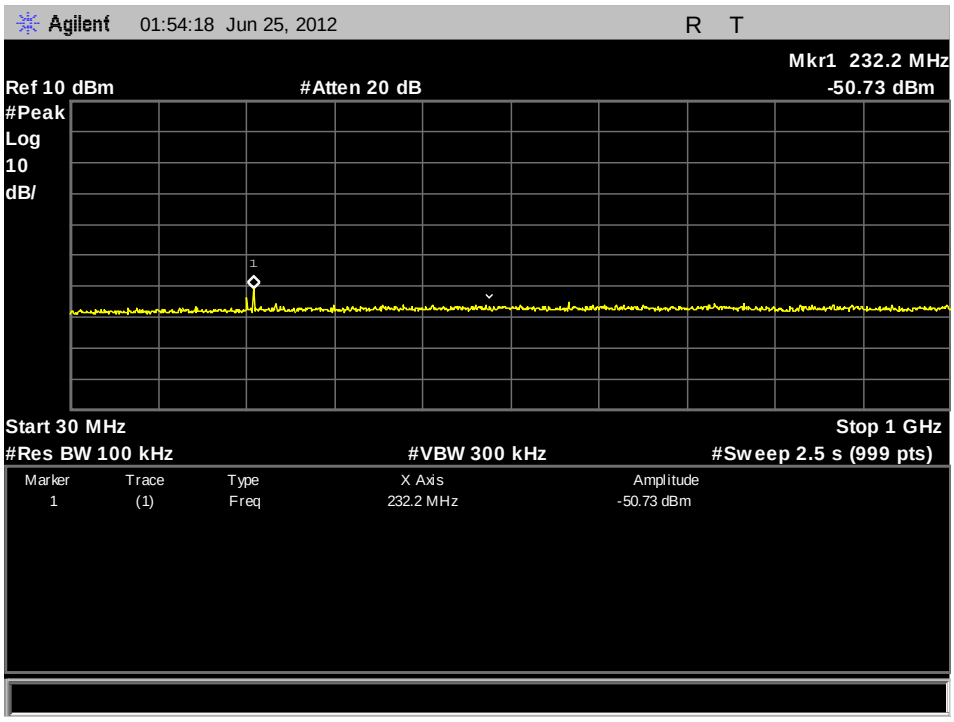


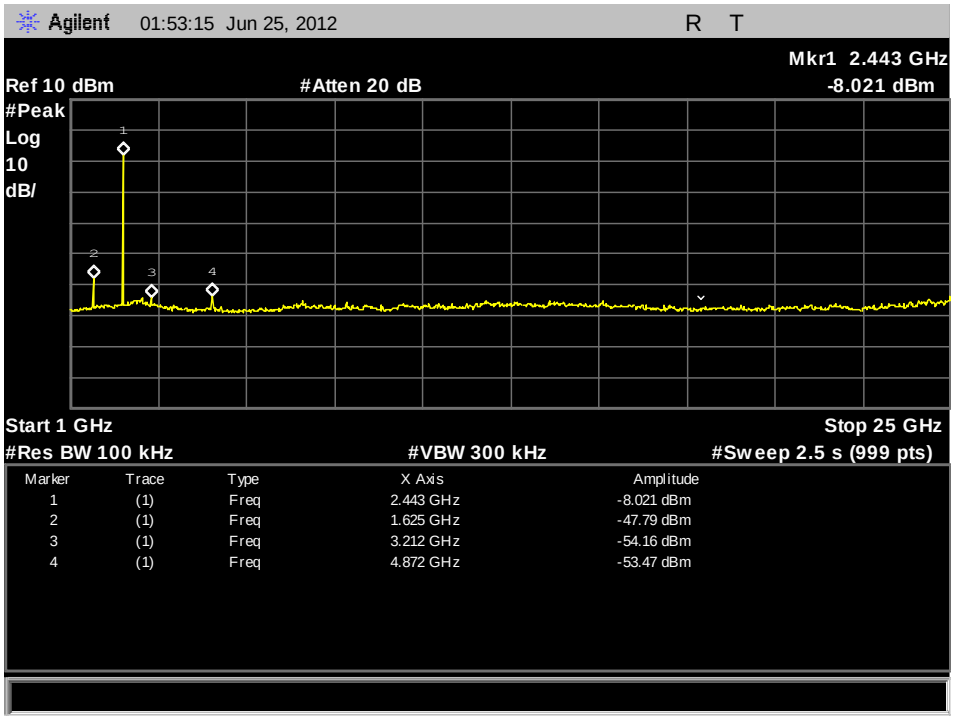
Low Channel, EDR mode



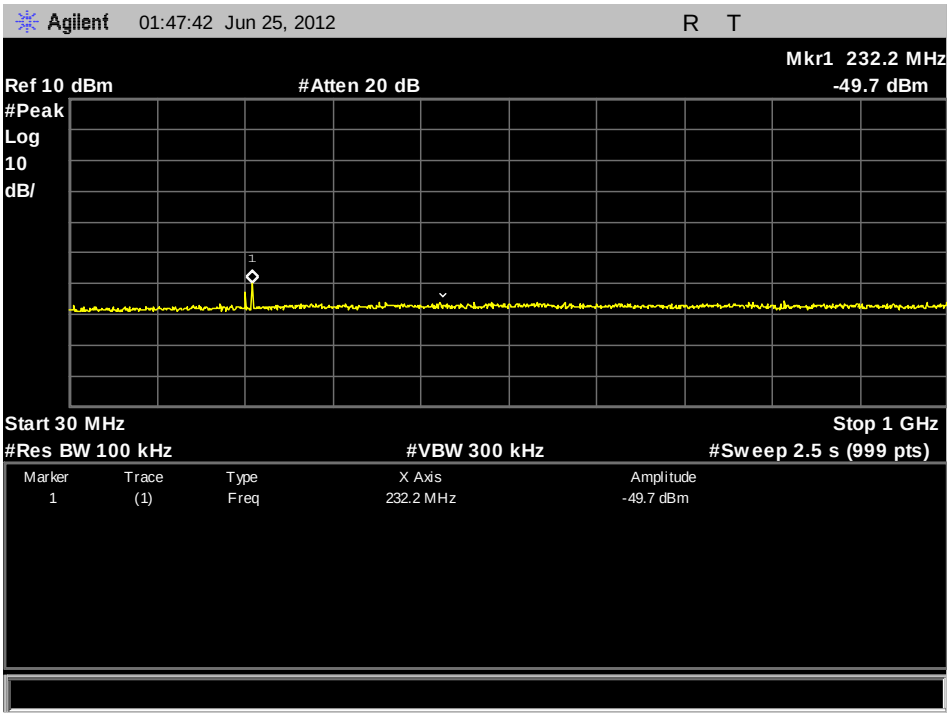


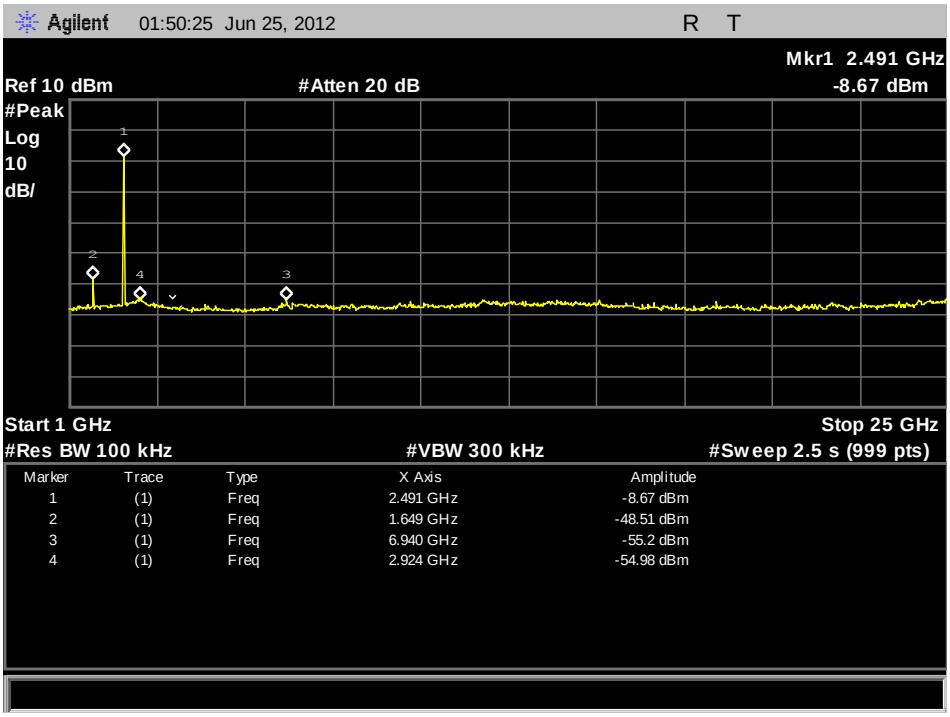
Middle Channel, EDR mode





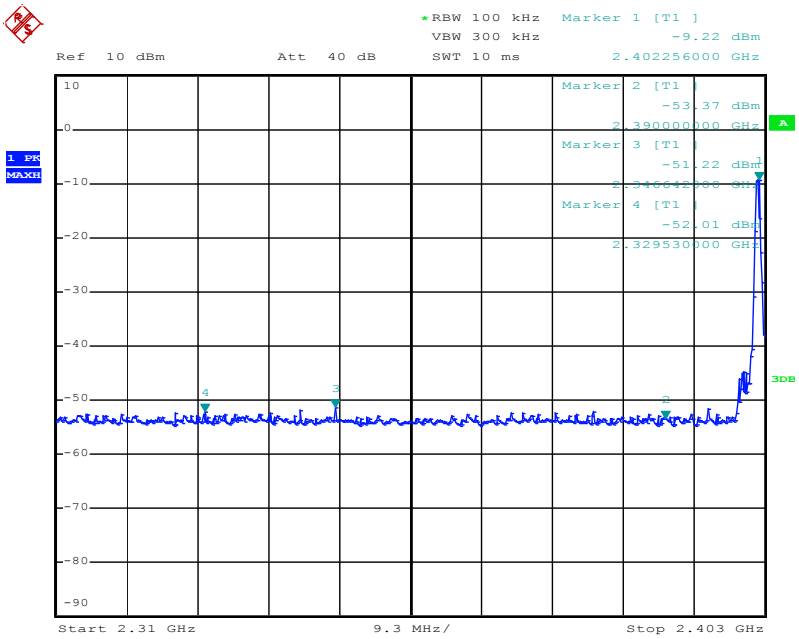
High Channel, EDR mode





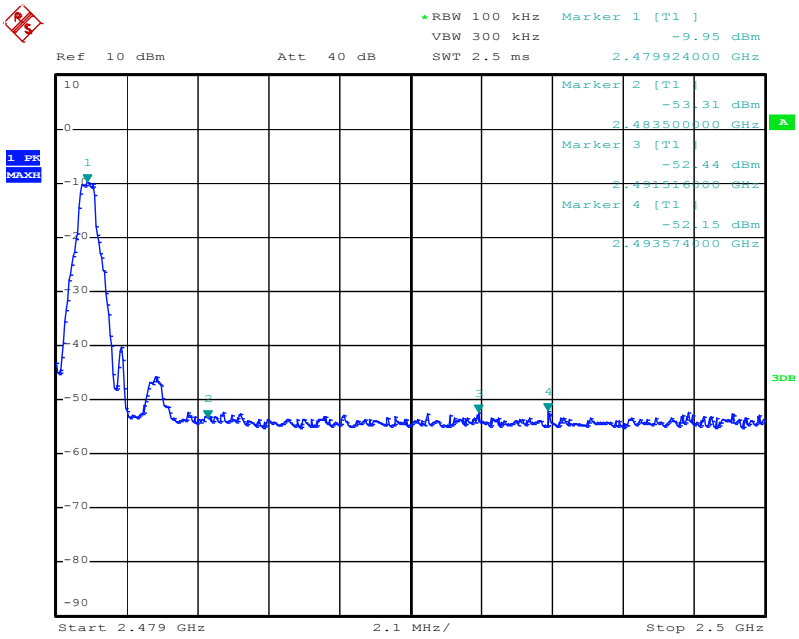
Test Plot of 100 kHz Bandwidth of Frequency Band Edge

Low Channel, BDR mode



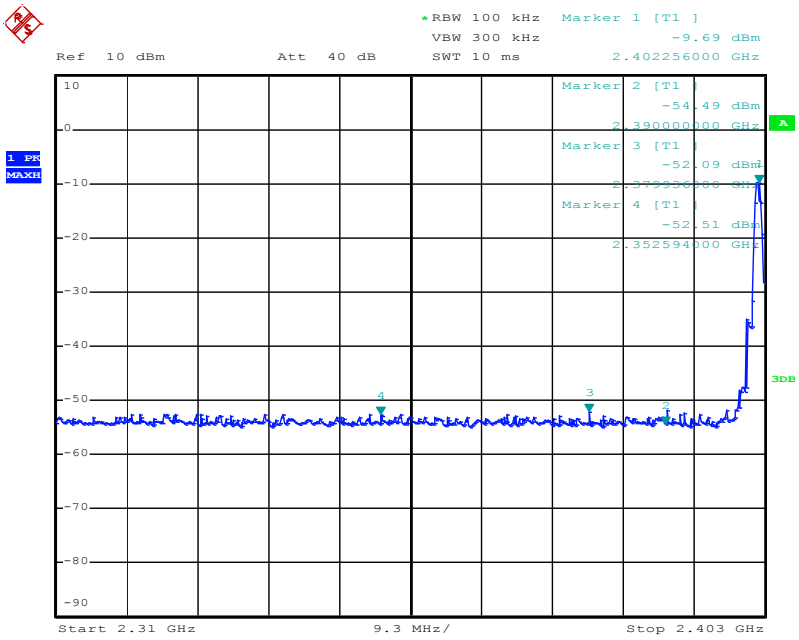
Date: 27.JUN.2012 20:06:00

High Channel, BDR mode



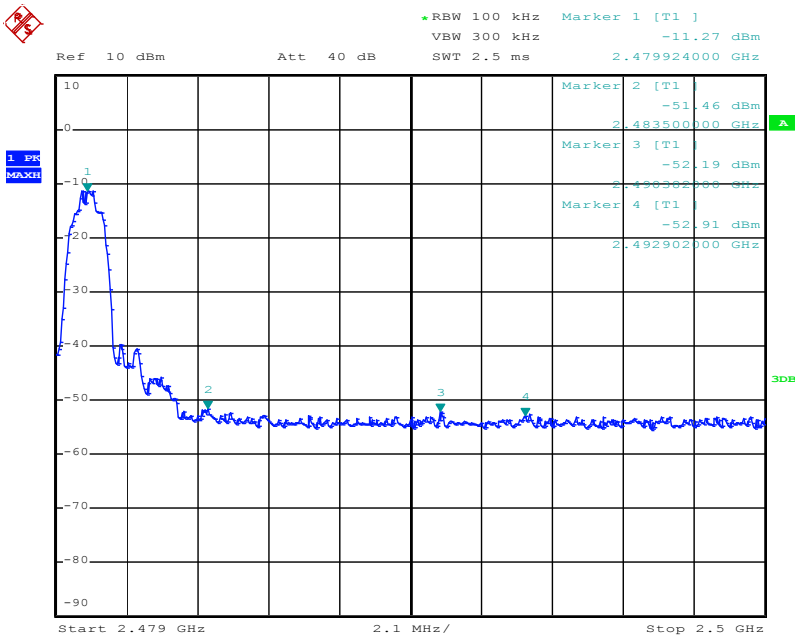
Date: 27.JUN.2012 20:07:44

Low Channel, EDR mode



Date: 27.JUN.2012 20:11:27

High Channel, EDR mode



Date: 27.JUN.2012 20:09:52

5.1.5 Spurious Emission

RESULT: **Pass**

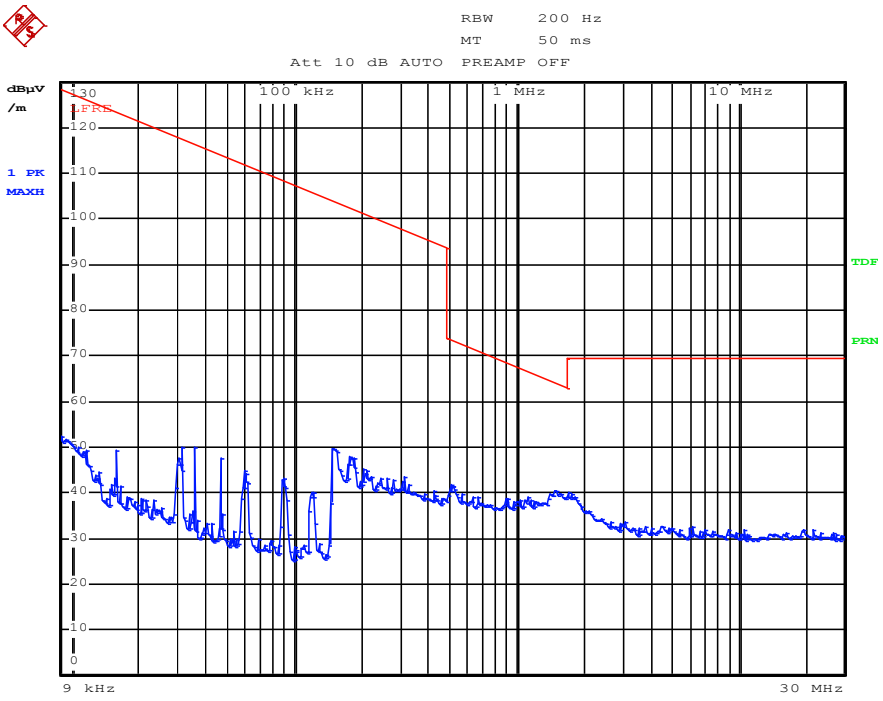
Date of testing	:	2012-06-25
Test standard	:	FCC part 15.247(d) RSS-210 Clause 2.2
Basic standard	:	ANSI C63.4: 2003
Limits	:	FCC part 15.209(a)
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

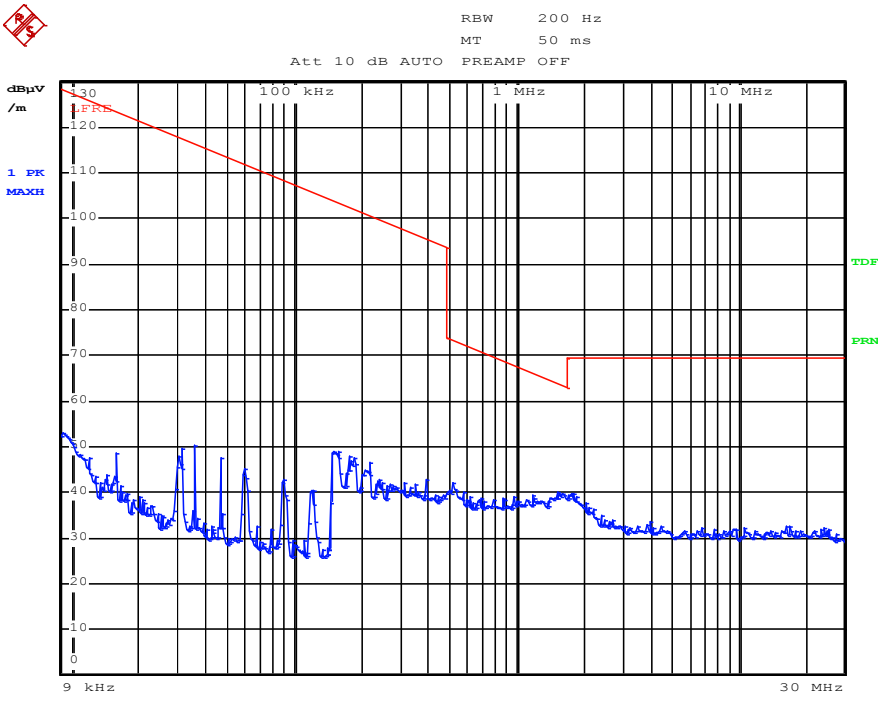
Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1, A.2
Ambient temperature	:	25℃
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

Test Plot of Radiated emissions



Date: 23.JUN.2012 22:54:38



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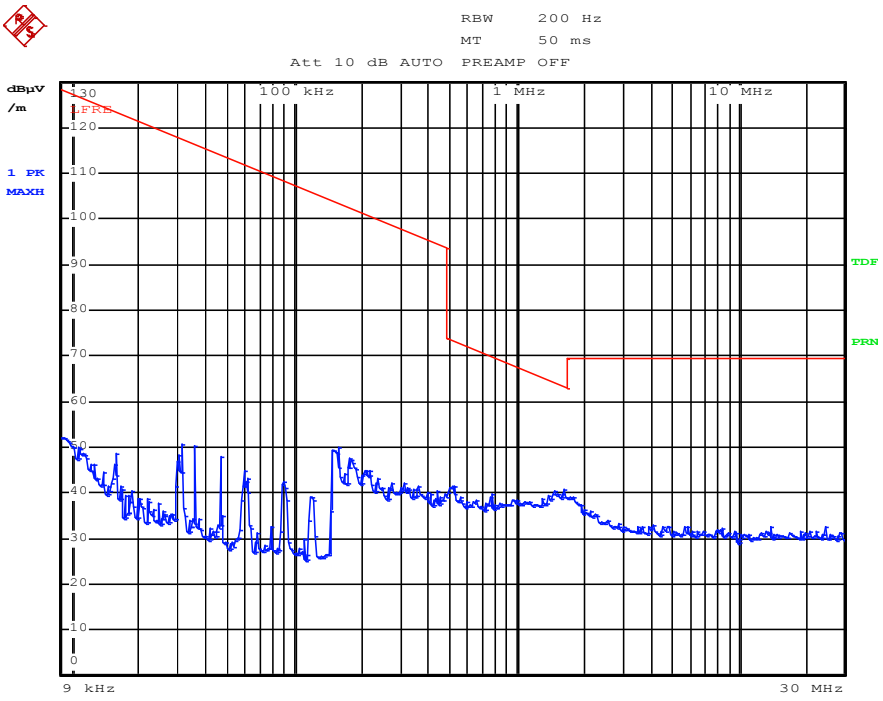
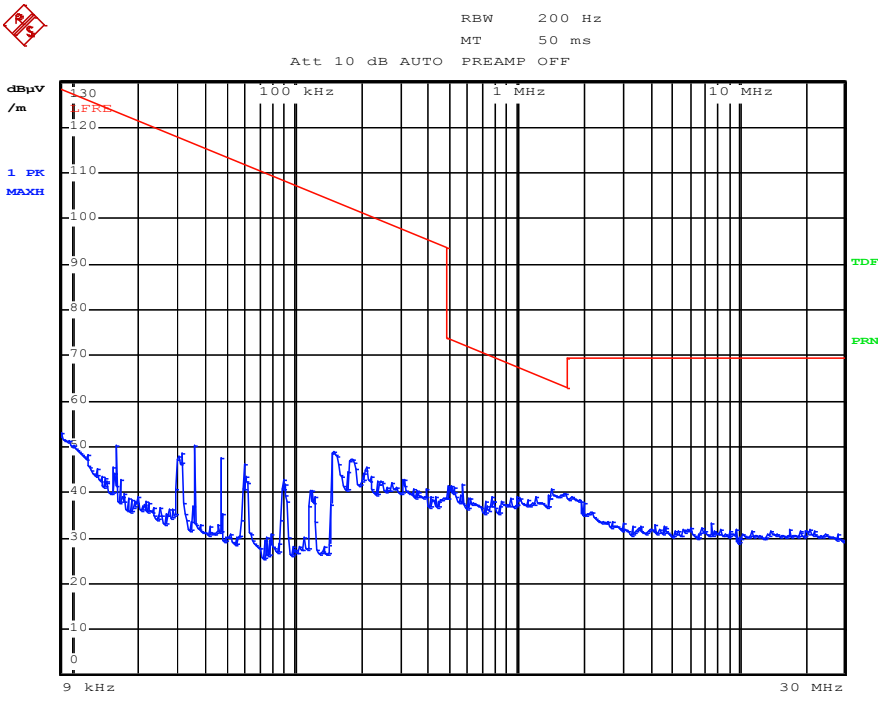
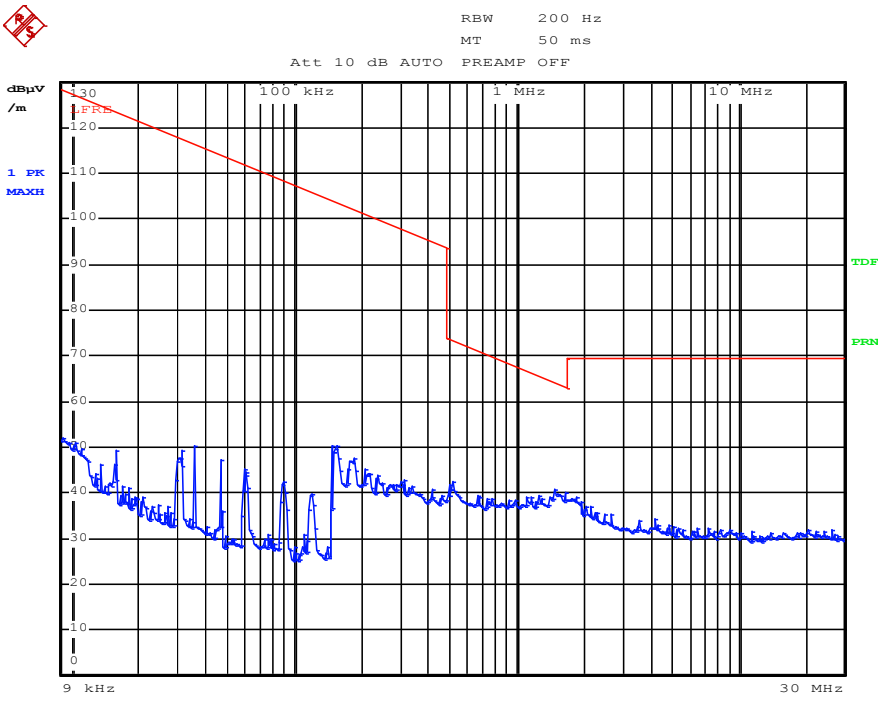


Date: 23.JUN.2012 22:58:31



Date: 23.JUN.2012 23:00:39



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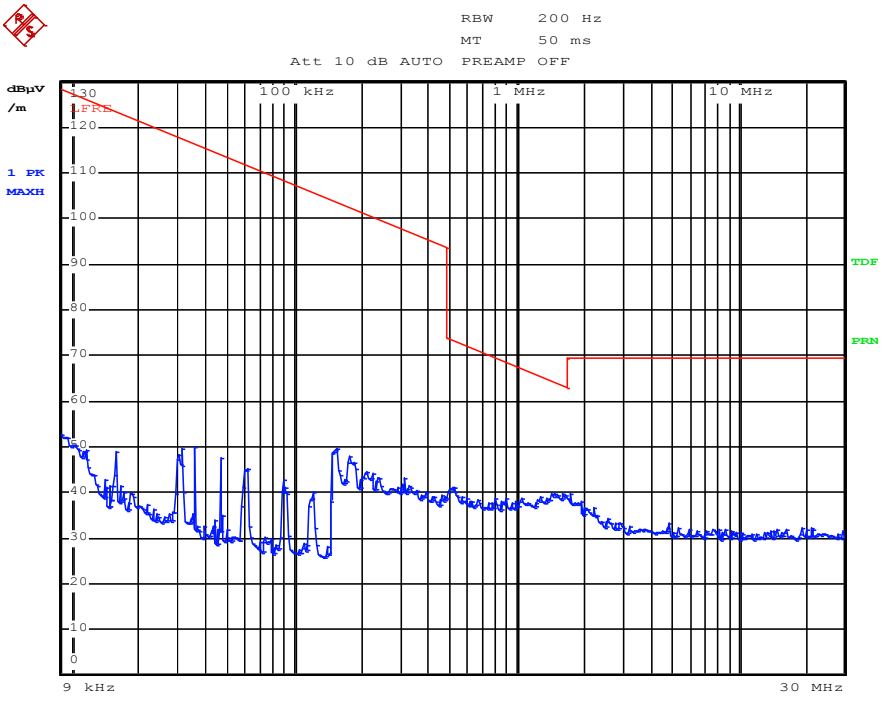
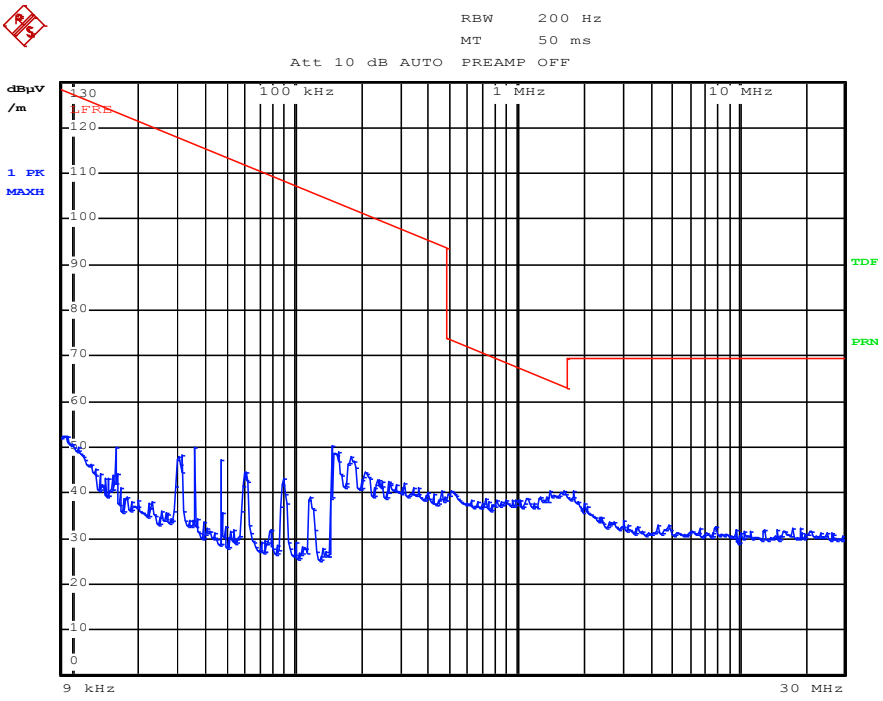
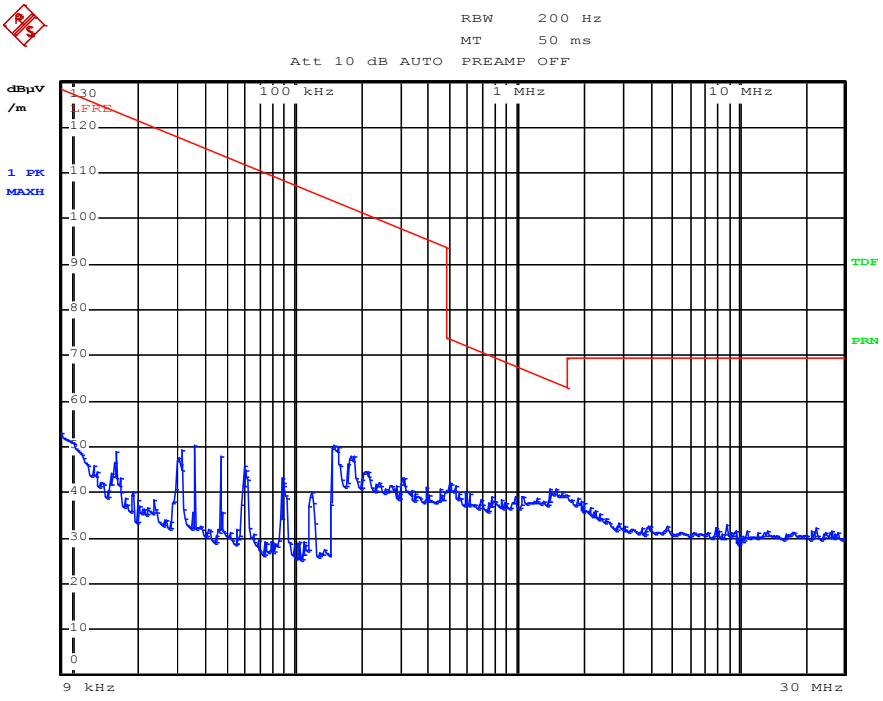


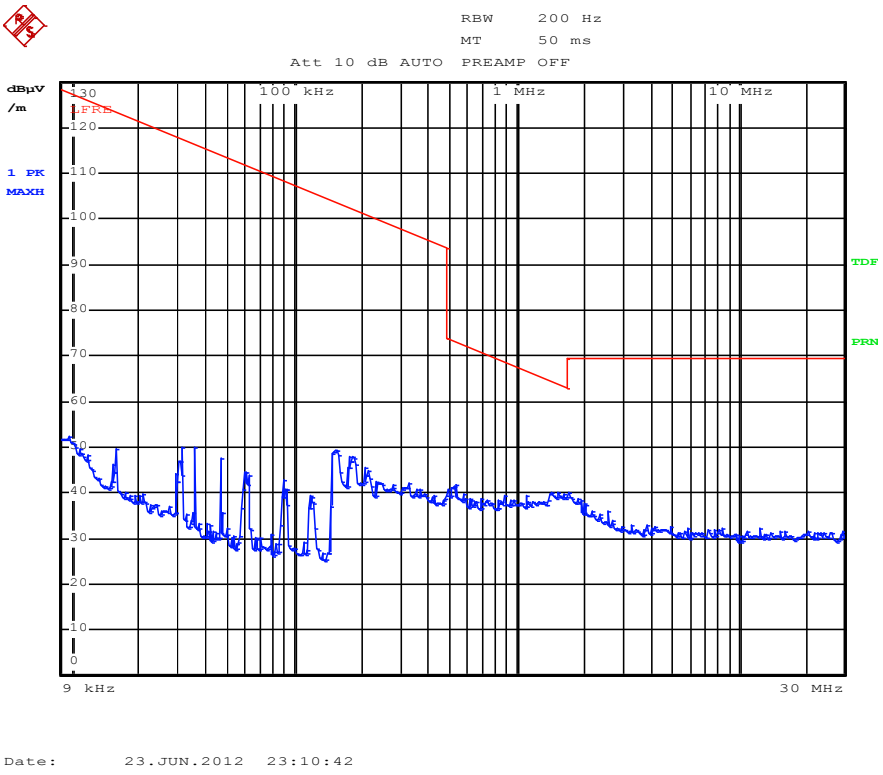
Date: 23.JUN.2012 23:04:44



Date: 23.JUN.2012 23:06:38



Date: 23.JUN.2012 23:08:37



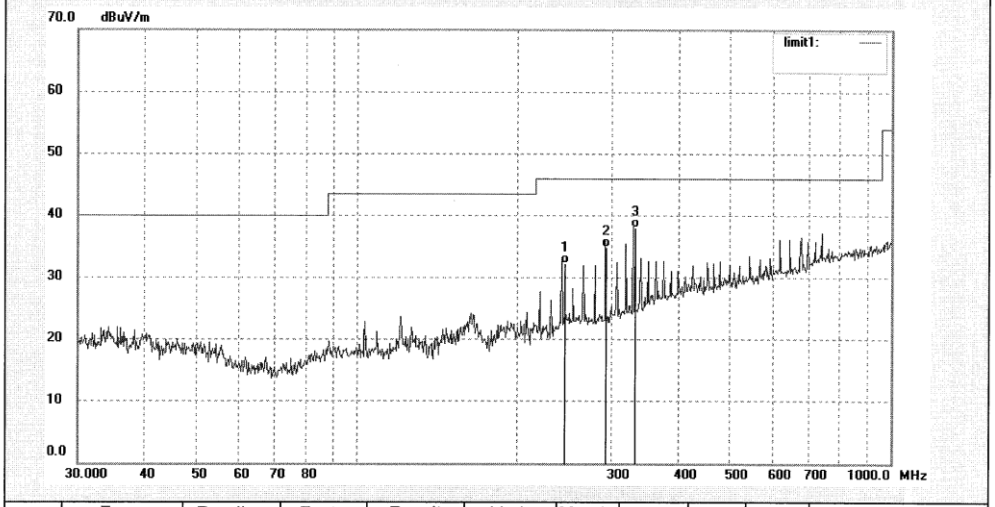
Date: 23.JUN.2012 23:10:42

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 #9291
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: MULTIMEDIA SPEAKER
Mode: TX 2402MHz
Model: iF330BT
Manufacturer: EDIFIER

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2012/06/24
Time: 23:52:12
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	245.7619	15.12	17.16	32.28	46.00	-13.72	QP			
2	294.9174	16.32	18.59	34.91	46.00	-11.09	QP			
3	331.7945	18.36	19.79	38.15	46.00	-7.85	QP			

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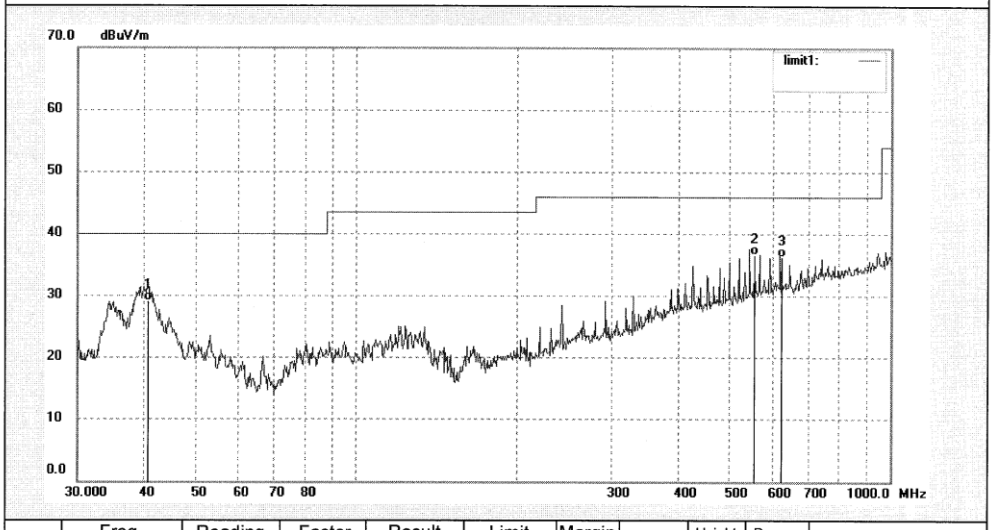
Fax:+86-0755-26503396

Job No.: pei #9290	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/06/24
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 23:43:15
EUT: MULTIMEDIA SPEAKER	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: iF330BT	
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	40.9411	14.69	14.53	29.22	40.00	-10.78	QP			
2	552.9795	11.27	25.32	36.59	46.00	-9.41	QP			
3	626.7088	10.33	26.06	36.39	46.00	-9.61	QP			

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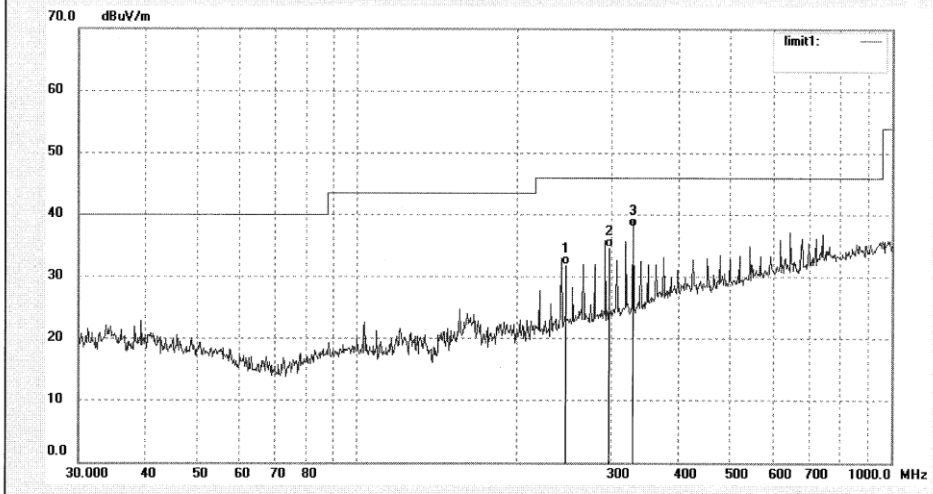
Fax:+86-0755-26503396

Job No.: pei #9292	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/06/25
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 0:01:29
EUT: MULTIMEDIA SPEAKER	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: iF330BT	
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	245.7745	14.75	17.16	31.91	46.00	-14.09	QP			
2	294.9175	16.19	18.59	34.78	46.00	-11.22	QP			
3	331.7850	18.34	19.79	38.13	46.00	-7.87	QP			

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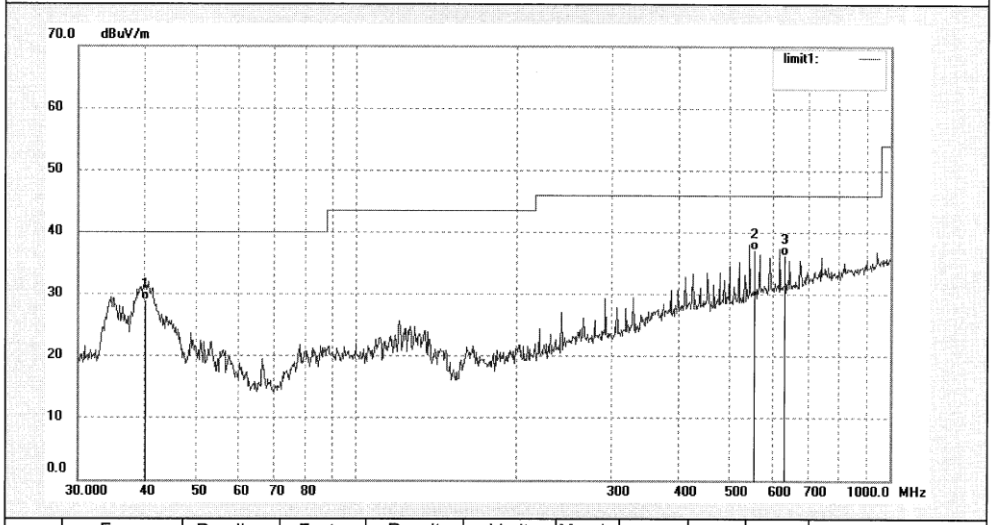
Fax:+86-0755-26503396

Job No.: pei #9293	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/06/25
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 0:09:51
EUT: MULTIMEDIA SPEAKER	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: iF330BT	
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	40.1581	14.40	14.54	28.94	40.00	-11.06	QP			
2	552.9810	11.79	25.32	37.11	46.00	-8.89	QP			
3	626.7060	10.30	26.06	36.36	46.00	-9.64	QP			

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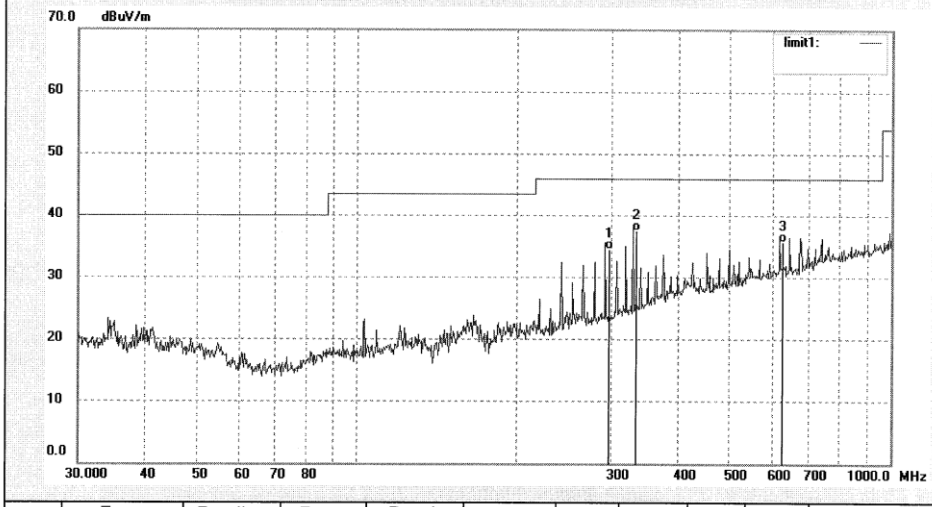
Job No.: pei #9295
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: MULTIMEDIA SPEAKER
Mode: TX 2480MHz
Model: iF330BT
Manufacturer: EDIFIER

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2012/06/25
Time: 0:25:18
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	294.9315	15.94	18.59	34.53	46.00	-11.47	QP			
2	331.7886	17.80	19.79	37.59	46.00	-8.41	QP			
3	626.7113	9.74	26.06	35.80	46.00	-10.20	QP			

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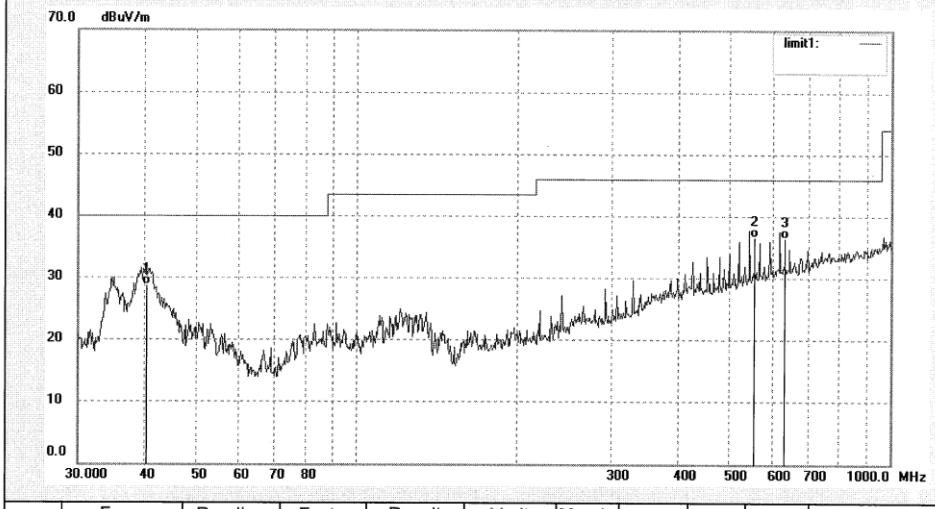
Fax:+86-0755-26503396

Job No.: pei #9294	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/06/25
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 0:18:38
EUT: MULTIMEDIA SPEAKER	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: iF330BT	
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	40.2995	14.23	14.54	28.77	40.00	-11.23	QP			
2	552.9805	11.33	25.32	36.65	46.00	-9.35	QP			
3	626.7090	10.44	26.06	36.50	46.00	-9.50	QP			

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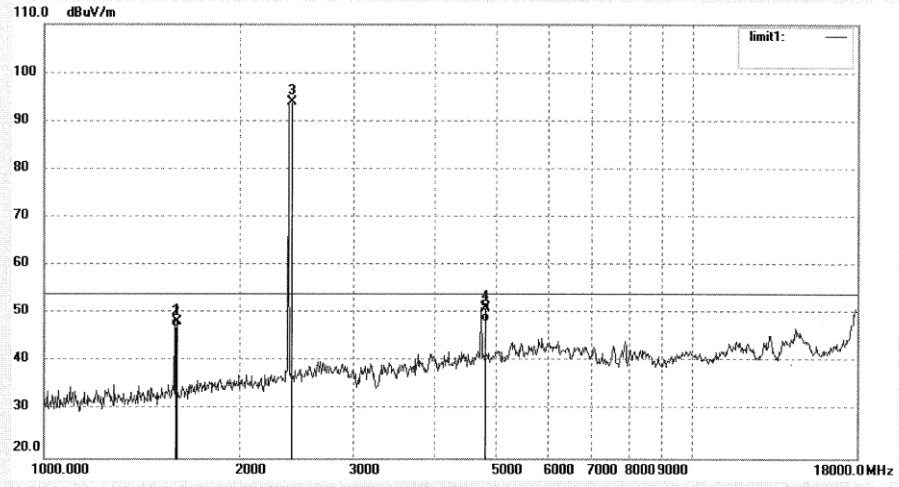
Fax:+86-0755-26503396

Job No.: pei #9270	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/06/24
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 20:45:40
EUT: MULTIMEDIA SPEAKER	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: iF330BT	
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	1602.007	59.26	-11.07	48.19	74.00	-25.81	peak			
2	1602.007	58.28	-11.07	47.21	54.00	-6.79	AVG			
3	2402.004	101.31	-7.45	93.86	/	/	peak			
4	4803.999	51.44	-0.30	51.14	74.00	-22.86	peak			
5	4803.999	48.50	-0.30	48.20	54.00	-5.80	AVG			

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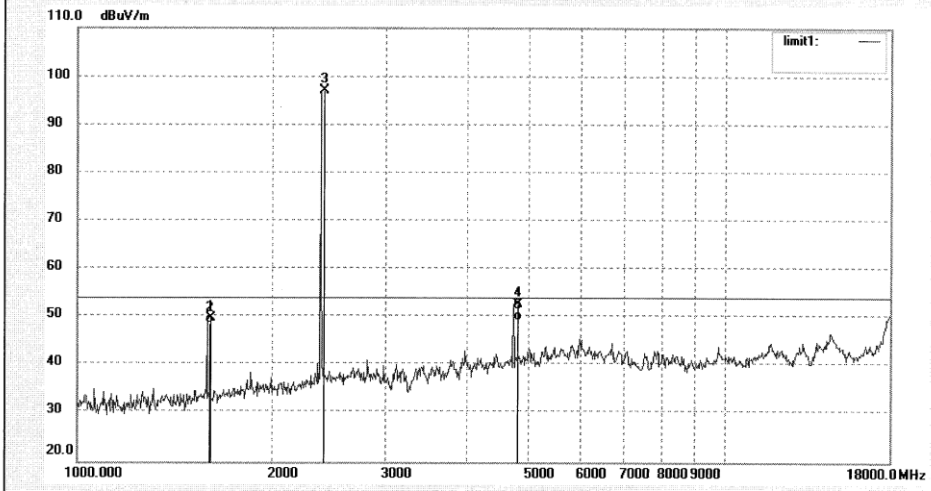
Fax:+86-0755-26503396

Job No.: pei #9271	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/06/24
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 20:57:51
EUT: MULTIMEDIA SPEAKER	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: iF330BT	
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	1602.530	60.97	-11.06	49.91	74.00	-24.09	peak			
2	1602.530	59.76	-11.06	48.70	54.00	-5.30	AVG			
3	2402.179	104.47	-7.45	97.02	/	/	peak			
4	4804.233	52.97	-0.30	52.67	74.00	-21.33	peak			
5	4804.233	49.70	-0.30	49.40	54.00	-4.60	AVG			

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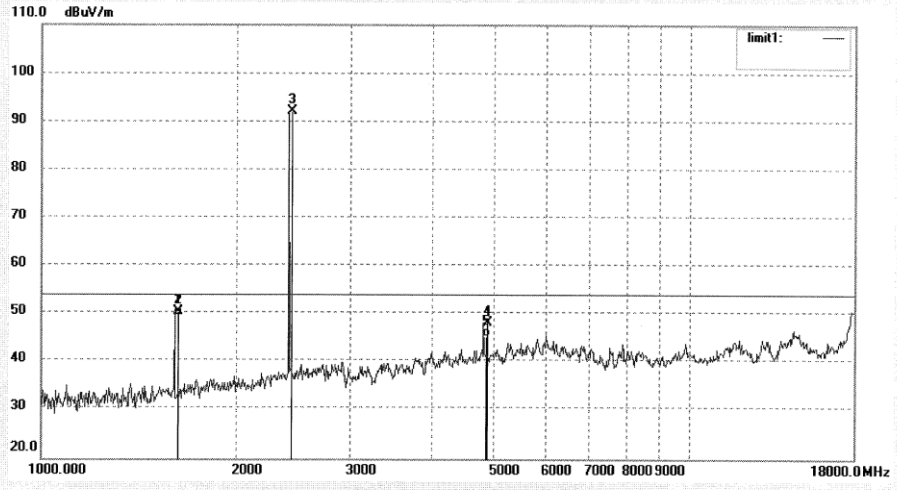
Fax:+86-0755-26503396

Job No.: pei #9269
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: MULTIMEDIA SPEAKER
Mode: TX 2441MHz
Model: iF330BT
Manufacturer: EDIFIER

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2012/06/24
Time: 20:36:10
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	1626.611	61.51	-10.92	50.59	74.00	-23.41	peak			
2	1626.611	60.46	-10.92	49.54	54.00	-4.46	AVG			
3	2440.984	99.51	-7.35	92.16	/	/	peak			
4	4881.919	48.09	0.14	48.23	74.00	-25.77	peak			
5	4881.919	45.26	0.14	45.40	54.00	-8.60	AVG			

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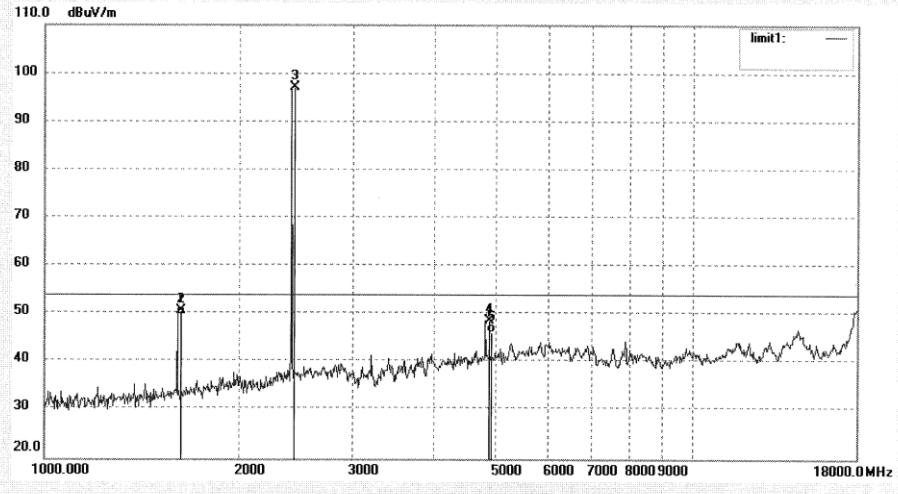
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #9268
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: MULTIMEDIA SPEAKER
Mode: TX 2441MHz
Model: iF330BT
Manufacturer: EDIFIER

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2012/06/24
Time: 20:25:19
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	1626.676	61.71	-10.92	50.79	74.00	-23.21	peak			
2	1626.676	60.62	-10.92	49.70	54.00	-4.30	AVG			
3	2440.998	104.36	-7.35	97.01	/	/	peak			
4	4882.046	48.62	0.14	48.76	74.00	-25.24	peak			
5	4882.046	46.06	0.14	46.20	54.00	-7.80	AVG			

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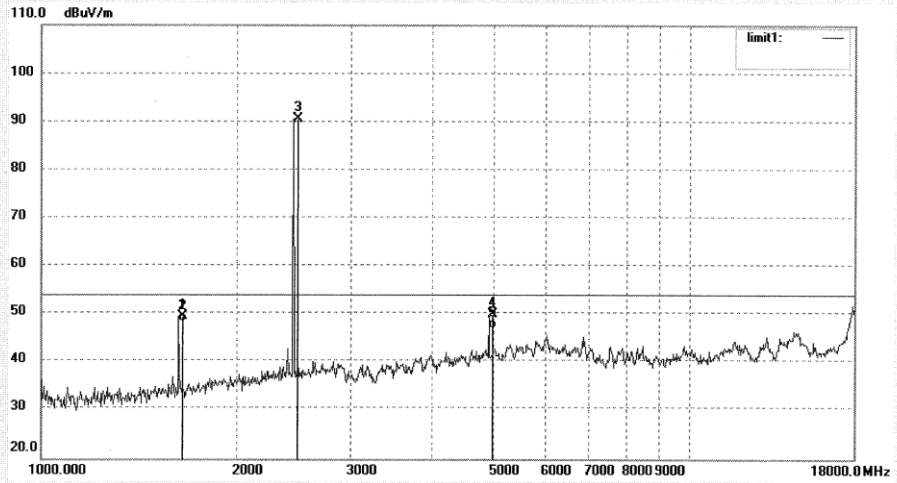
Fax:+86-0755-26503396

Job No.: pei #9277	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2012/06/24
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 21:50:18
EUT: MULTIMEDIA SPEAKER	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: iF330BT	
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	1654.010	60.28	-10.72	49.56	74.00	-24.44	peak			
2	1654.010	59.07	-10.72	48.35	54.00	-5.65	AVG			
3	2479.985	97.92	-7.37	90.55	/	/	peak			
4	4959.948	49.55	0.52	50.07	74.00	-23.93	peak			
5	4959.948	46.68	0.52	47.20	54.00	-6.80	AVG			