



**CENTRE OF TESTING SERVICE
INTERNATIONAL**

OPERATE ACCORDING TO ISO/IEC 17025

FCC ID TEST REPORT

TEST REPORT NUMBER : CGZ3140321-00251-EF



CENTRE OF TESTING SERVICE CO., LTD.

A101, No.65, Zhuji Highway, Tianhe District, Guangzhou, China



TEST REPORT For FCC ID

47 CFR PART 15 OCT, 2013

Report Reference No. CGZ3140321-00251-EF

Date of issue 22 April 2014

Testing Laboratory Name CETRE OF TESTING SERVICE CO., LTD.

Address..... A101, No.65, Zhuji Highway,Tianhe District, Guangzhou, China

Testing location/ procedure Full application of Harmonised standards ☒Partial application of Harmonised standards ☐Other standard testing method ☐

Applicant's name REWO INTELLIGENCE TECHNOLOGY CO., LIMITED

Address..... 2/A POR YEN BLDG, 478 CASTLE PEAK RD, CHEUNG SHA WAN, KLN,
HONG KONG

Test specification

Standard 47 CFR PART 15 OCT, 2013

Test Report Form No. CTSEMC-1.0

TRF Originator CENTRE OF TESTING SERVICE CO., LTD.

Master TRF Dated 2009-01

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Test item description..... : LilEyes Baby Monitor

Trade Mark..... LilEyes

Manufacturer..... REWO INTELLIGENCE TECHNOLOGY CO., LIMITED

Model/Type reference LE528H

Ratings..... DC 5V by adapter, Adapter Input:AC 110V/60Hz, Output: DC 5V

Operating Frequency 802.11b/g/n(20M):2412.0 MHZ~2462.0 MHZ

802.11n(40MHz):2422.0 MHZ ~2452.0 MHZ

Result Positive

Compiled by:

Kate zhang / Fileadministrators

Supervised by:

Duke yang / Technique principal

Approved by:

Vincent yao / Manager

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FCC ID -- T E S T R E P O R T

Test Report No. : CGZ3140321-00251-EF

22 April 2014

Date of issue

Type / Model..... LE528H

EUT..... LilEyes Baby Monitor

Applicant..... REWO INTELLIGENCE TECHNOLOGY CO., LIMITEDAddress..... 2/A POR YEN BLDG, 478 CASTLE PEAK RD, CHEUNG SHA WAN,
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Telephone..... +86-20-84115253

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Contact..... Cai Gang

Manufacturer..... REWO INTELLIGENCE TECHNOLOGY CO., LIMITEDAddress..... 2/A POR YEN BLDG, 478 CASTLE PEAK RD, CHEUNG SHA WAN,
KLN, HONG KONG

Telephone..... +86-20-84115253

Fax..... +86-754-85853248

Contact..... Cai Gang

Factory..... LONGXIANG TOYS INDUSTRY CO.,LTD.Address..... CHENGHUA INDUSTRIAL ESTATE, WENGUAN ROAD, CHENGHAI,
SHANTOU, GUANGDONG CHINA

Telephone..... /

Fax..... /

Contact..... /

Test Result according to the standards on page 1: **PASSED**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



TABLE OF CONTENTS

Description	Page
1.0 TEST STANDARDS	5
2.0 SUMMARY	5
2.1 GENERAL REMARKS	5
2.2 FINAL ASSESSMENT	5
3.0 EQUIPMENT UNDER TEST	5
3.1 POWER SUPPLY SYSTEM UTILISED.....	5
3.2 SHORT DESCRIPTION OF THE EQUIPMENT UNDER TEST (EUT).....	5
3.3 EUT OPERATION MODE	5
3.4 EUT CONFIGURATION.....	6
4.0 TEST ENVIRONMENT	7
4.1 ADDRESS OF THE TEST LABORATORY.....	7
4.2 TEST FACILITY	7
4.3 ENVIRONMENTAL CONDITIONS	7
4.4 DEFINITIONS OF SYMBOLS USED IN THIS TEST REPORT	7
4.5 STATEMENT OF THE MEASUREMENT UNCERTAINTY	7
4.6 MEASUREMENT UNCERTAINTY	8
5.0 SUMMARY OF STANDARDS AND RESULTS	8
5.1.DESCRPTION OF STANDARDS AND RESULTS	8
6.0 POWER LINE CONDUCTED EMISSION TEST	9
6.1.TEST EQUIPMENT.....	9
6.2. BLOCK DIAGRAM OF TEST SETUP.....	9
6.3. POWER LINE CONDUCTED EMISSION TEST LIMITS	9
6.4.TEST PROCEDURE	9
6.5. POWER LINE CONDUCTED EMISSION TEST RESULTS	9
7.0 6DB BANDWIDTH MEASUREMENT	12
7.1 LIMITS	12
7.2 MEASUREMENT EQUIPMENT USED.....	12
7.3 TEST CONFIGURATION	12
7.4 TEST PROCEDURE.....	12
7.5 TEST RESULTS	12
8.0 PEAK POWER	20
8.1 LIMIT.....	20
8.2 MEASUREMENT EQUIPMENT USED.....	20
8.3 TEST CONDIGURATION	20

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8.4 TEST PROCEDURE	21
8.5 TEST RESULTS	21
9.0 PEAK POWER SPECTRAL DENSITY	28
9.1 LIMIT.....	28
9.2 MEASUREMENT EQUIPMENT USED.....	28
9.3 TEST CONFIGURATION	28
9.4 TEST PROCEDURE.....	28
9.5 TEST RESULTS	28
10.0 BAND EDGES MEASUREMENT	36
10.1 LIMIT.....	36
10.2 MEASUREMENT EQUIPMENT USED	36
10.3 TEST CONFIGURATION	36
10.4 TEST PROCEDURE.....	37
10.5 TEST RESULTS	37
11.0 SPURIOUS EMISSIONS.....	54
11.1 LIMIT.....	54
11.2 TEST EQUIPMENT.....	54
11.3 TEST CONFIGURATION	55
11.4 TEST PROCEDURE.....	56
11.5 TEST RESULTS	56
12.0 ANTENNA REQUIREMENTS	75
12.1 STANDARD APPLICABLE	75
12.2 ANTENNA CONSTRUCTION AND DIRECTIONAL GAIN.....	75
13.0 DEVIATION TO TEST SPECIFICATIONS	75

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1.0 TEST STANDARDS

The tests were performed according to following standards:

- 47 CFR PART 15 OCT, 2013
- ANSI C63.4-2009

2.0 SUMMARY

2.1 GENERAL REMARKS

Date of receipt of test sample	21 March 2014
Testing commenced on	21 March~22 April 2014
Testing concluded on	22 April 2014

2.2 FINAL ASSESSMENT

The FCC requirements pertaining to the technical standards and tested operation modes are

- - fulfilled.
- - **not** fulfilled.

The equipment under test

- - fulfils the FCC requirements cited on page 1.
- - **does not** fulfil the FCC requirements cited on page 1.

3.0 EQUIPMENT UNDER TEST

3.1 Power supply system utilised

Power supply voltage : ■ DC 5V by adapter

3.2 Short description of the Equipment under Test (EUT)

Number of tested samples: **1**

Serial number: Prototype

3.3 EUT operation mode

The equipment under test was operated during the measurement under the following conditions:

- - Standby
- TX- Y position
- TX- Z position
- TX- X position

802.11b/g/n(20M):TX-X Position Low (2412.0 MHz) , TX-X Position Middle (2437.0 MHz) ,
TX-X Position High (2462.0 MHz)

802.11n(40M): TX-X Position Low (2422.0 MHz) , TX-X Position Middle (2437.0 MHz) ,
TX-X Position High (2452.0 MHz)

Note:Operation mode TX -X position of EUT is the radiated test worst case. So only these test results be recorded in the test report.

3.4 EUT configuration

3.4.1. Description of configuration (EUT)

Description	:	LilEyes Baby Monitor
Model Number	:	LE528H
Operation frequency	:	802.11b/g/n(20M):2412.0 MHz~2462.0 MHz 802.11n(40MHz):2422.0 MHz ~2452.0 MHz
WiFi	:	802.11:b/g/n
Modulation Technology	:	CCK, DSSS and OFDM
Date Rate	:	802.11b: 11, 5.5, 2, 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11n: 72 Mbps(HT20),150Mbps(HT40)
Antenna	:	PCB antenna, met requirement of FCC 15.203

3.4.2. Tested Supporting System Details

3.4.2.1. Notebook

M/N	:	F83VF
S/N	:	AEN0AS64740305D
Manufacturer	:	ASUS
Power Cord	:	Unshielded, Detachable, 1.5m , 3Pin
FCC ID	:	By DoC

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4.0 TEST ENVIRONMENT

4.1 Address of the test laboratory

A101, No.65, Zhuji Highway, Tianhe District, Guangzhou, China

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4.2 Test facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L3394

CENTRE OF TESTING SERVICE CO., LTD has been assessed and proved to be in compliance with CNAS-CL01: 2006 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

IC-Registration No.: 8374A

The 3m Alternate Test Site of CENTRE OF TESTING SERVICE CO., LTD has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 8374A on June 6, 2011.

FCC-Registration No.: 971995

CENTRE OF TESTING SERVICE CO., LTD, EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration No. 971995, July 13, 2012.

4.3 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35 ° C
Humidity:	25~75 %
Atmospheric pressure:	86~106 kPa

4.4 Definitions of symbols used in this test report

- - The black square indicates that the listed condition, standard or equipment is applicable for this report.
- - The empty square indicates that the listed condition, standard or equipment is **not** applicable for this report.

4.5 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the CTS quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

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4.6 Measurement Uncertainty

Test Item	Frequency Range	Uncertainty	Note
Conduction disturbance	150kHz~30MHz	$\pm 1.22\text{dB}$	(1)
Power disturbance	30MHz~300MHz	$\pm 1.38\text{dB}$	(1)
Radiation emission (3m)	30MHz~300MHz	$\pm 3.14\text{dB}$	(1)
	300MHz~1000MHz	$\pm 3.18\text{dB}$	(1)
	1GHz~26.5GHz	$\pm 3.54\text{dB}$	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

5.0 Summary of standards and results

5.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION		
Description of Test Item	Standard	Results
Conducted Emission Test	FCC Part 15 : 15.207 ANSI C63.4-2009	PASSED
6dB Bandwidth Measurement	FCC Part 15.247(a)(2) ANSI C63.4-2009	PASSED
Peak Power	FCC Part 15.247(b)(3)(4) ANSI C63.4-2009	PASSED
Peak Power Spectral Density	15.247(e) Power Density ANSI C63.4-2009	PASSED
Band edges measurement	FCC Part 15.205 FCC Part 15.209 ANSI C63.4-2009	PASSED
Spurious Emissions	FCC Part 15: 15.209 ANSI C63.4-2009	PASSED
Antenna Requirements	FCC Part 15: 15.203 ANSI C63.4-2009	PASSED
N/A is an abbreviation for Not Applicable.		

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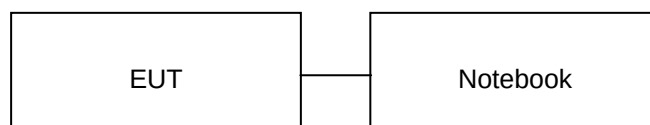
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6.0 Power Line Conducted Emission Test

6.1. Test Equipment

Conducted Disturbance					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	ROHDE & SCHWARZ	ESHS10	842884/012	2013/11
2	Artificial Mains	ROHDE & SCHWARZ	ESH3-Z5	832479/025	2013/11
3	Artificial Mains	ROHDE & SCHWARZ	ESH3-Z5	832479/026	2013/11
4	Pulse Limiter	ROHDE & SCHWARZ	ESHSZ2	100301	2013/11
5	EMI Test Software	EZ-EMC	Farad	N/A	N/A

6.2. Block Diagram of Test Setup



(EUT: LilEyes Baby Monitor)

6.3. Power Line Conducted Emission Test Limits

Standard: FCC Part 15 : 15.207, ANSI C63.4-2009

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

6.4. Test Procedure

The XBOX Power connected to the power mains through a line impedance stabilization network (L.I.S.N.#2). This provides a 50 ohm coupling impedance for the EUT. Please refer the block diagram of the test setup and photographs. The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#1). Power on the PC and let it work normally, we use a keyboard test soft ware, let EUT working in test mode, then test it. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC Part 15C on Conducted Emission Test.

6.5. Power Line Conducted Emission Test Results

PASSED.

The frequency range from 150KHz~30MHz is investigated. Please see the following pages.

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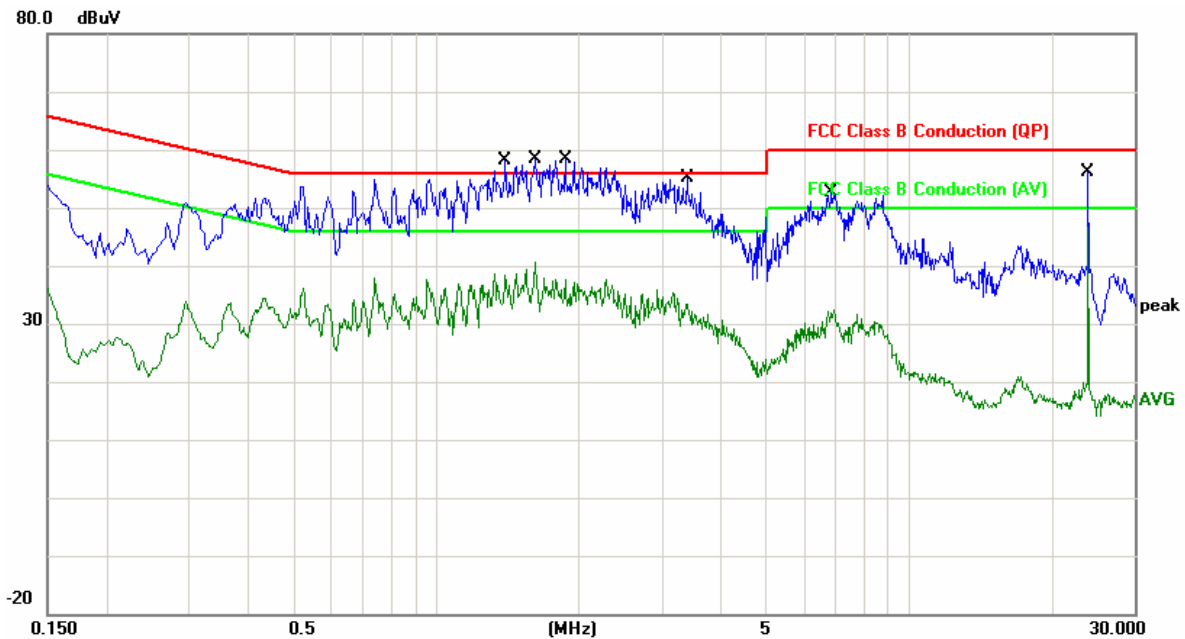
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Test point:	L	Result:	☒ - passed
Frequency range:	0.15MHz~30MHz		☐ - not passed

EUT	LilEyes Baby Monitor
Operating Condition	TX
Test Condition	Ambient Temperature: 25°C Humidity: 56%
Test Date:	21 March~08 April 2014
Operator	Duke
MODEL NO	LE528H



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	1.4020	9.84	43.55	53.39	56.00	-2.61	QP
2	1.4020	9.84	27.88	37.72	46.00	-8.28	AVG
3	1.6220	9.85	43.67	53.52	56.00	-2.48	QP
4	1.6220	9.85	29.26	39.11	46.00	-6.89	AVG
5	1.8700	9.86	40.91	50.77	56.00	-5.23	QP
6	1.8700	9.86	25.59	35.45	46.00	-10.55	AVG
7	3.3980	9.89	36.68	46.57	56.00	-9.43	QP
8	3.3980	9.89	20.65	30.54	46.00	-15.46	AVG
9	6.8460	9.89	35.86	45.75	60.00	-14.25	QP
10	6.8460	9.89	19.77	29.66	50.00	-20.34	AVG
11	24.0020	10.04	44.71	54.75	60.00	-5.25	QP
12	24.0020	10.04	36.36	46.40	50.00	-3.60	AVG

Remark: Other frequency mini margin all >6 dB of Limit

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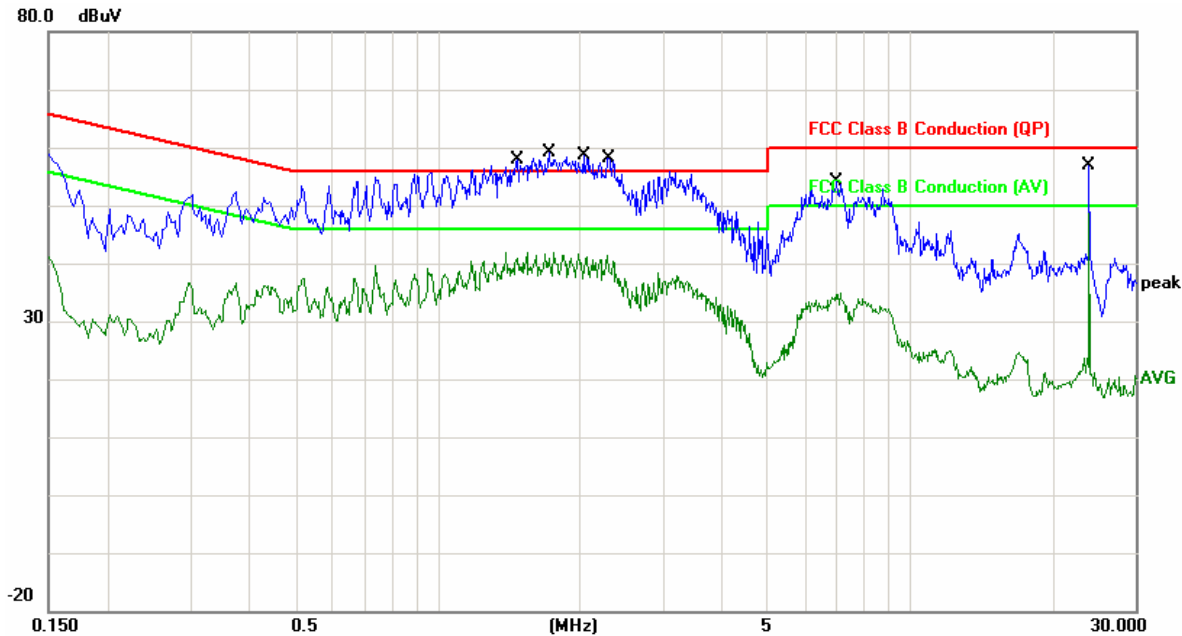
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Test point:	N	Result:	■ - passed
Frequency range:	0.15MHz~30MHz		□ - not passed



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	1.4740	9.85	43.70	53.55	56.00	-2.45	QP
2	1.4740	9.85	31.06	40.91	46.00	-5.09	AVG
3	1.7180	9.85	43.49	53.34	56.00	-2.66	QP
4	1.7180	9.85	30.24	40.09	46.00	-5.91	AVG
5	2.0420	9.86	42.49	52.35	56.00	-3.65	QP
6	2.0420	9.86	29.36	39.22	46.00	-6.78	AVG
7	2.3020	9.87	41.25	51.12	56.00	-4.88	QP
8	2.3020	9.87	27.27	37.14	46.00	-8.86	AVG
9	7.0180	9.89	38.43	48.32	60.00	-11.68	QP
10	7.0180	9.89	23.59	33.48	50.00	-16.52	AVG
11	24.0020	10.04	46.85	56.89	60.00	-3.11	QP
12	24.0020	10.04	37.80	47.84	50.00	-2.16	AVG

Remark: Other frequency mini margin all >6 dB of Limit

Note:Level=Reading+Factor. Margin= Level-Limit

7.0 6 dB BANDWIDTH MEASUREMENT

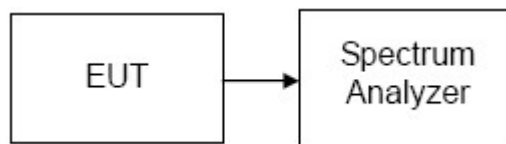
7.1 LIMITS

According to §15.247(a)(2), systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725 - 5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

7.2 MEASUREMENT EQUIPMENT USED

20dB Bandwidth					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Signal analyzer	ROHDE & SCHWARZ	FSIQ26	100311	2014/03

7.3 TEST CONFIGURATION



7.4 TEST PROCEDURE

1. Place the EUT on the table and set it in the transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as RBW = 100kHz, VBW = 300kHz, Span = 1.5 times of bandwidth, Sweep = auto.
4. Mark the peak frequency and -6dB (upper and lower) frequency.
5. Repeat until all the rest channels are investigated

7.5 TEST RESULTS

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Modulation Standard	Channel	Frequency (MHz)	Bandwidth (MHz)	Limit (KHz)	Result
802.11b:11Mbps (Worst Case)	Low	2412	9.80	>500	PASSED
	Middle	2437	9.80		PASSED
	High	2462	9.75		PASSED
802.11g:54Mbps (Worst Case)	Low	2412	16.45	>500	PASSED
	Middle	2437	16.50		PASSED
	High	2462	16.15		PASSED
802.11n(20):72Mbps (Worst Case)	Low	2412	16.90	>500	PASSED
	Middle	2437	16.85		PASSED
	High	2462	16.95		PASSED
802.11n(40):150Mbps (Worst Case)	Low	2422	35.35	>500	PASSED
	Middle	2437	35.55		PASSED
	High	2452	35.55		PASSED
Remark:The Bandwidth is Delta 2 of following the graph. And the Delta 2 is Marker 2 subtract Marker 1.					

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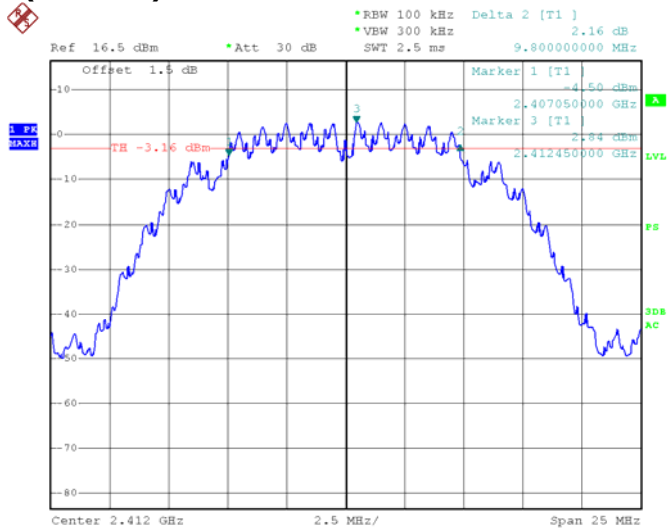
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Test Plot

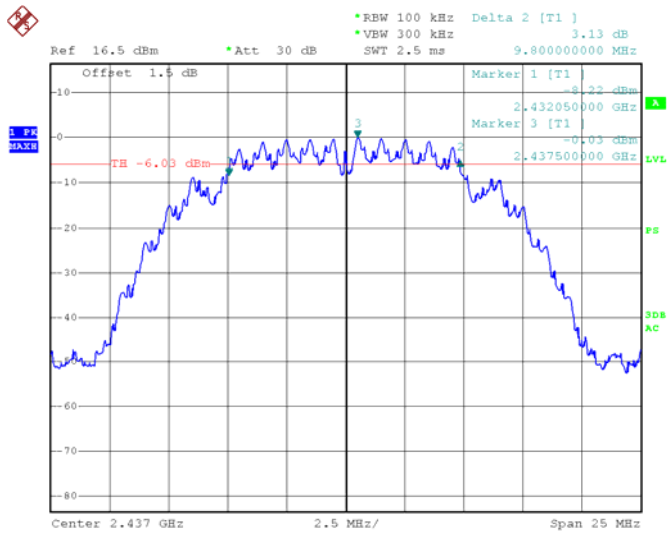
Modulation Standard: 802.11b

6dB Bandwidth(CH Low)



Date: 28.MAR.2014 12:50:52

6dB Bandwidth(CH Middle)

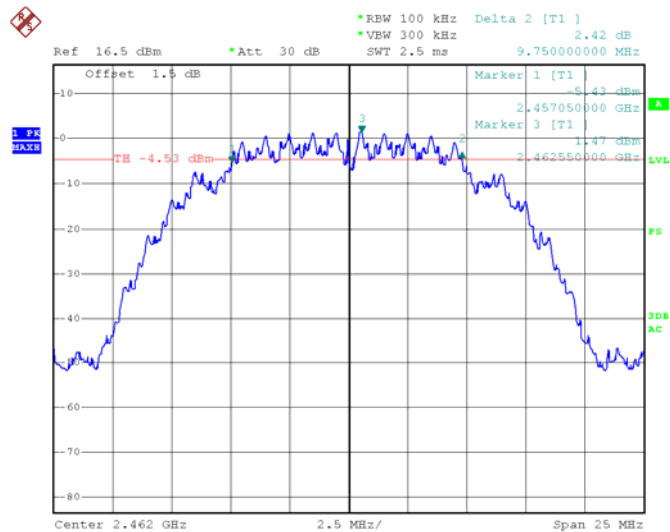


Date: 28.MAR.2014 12:53:02

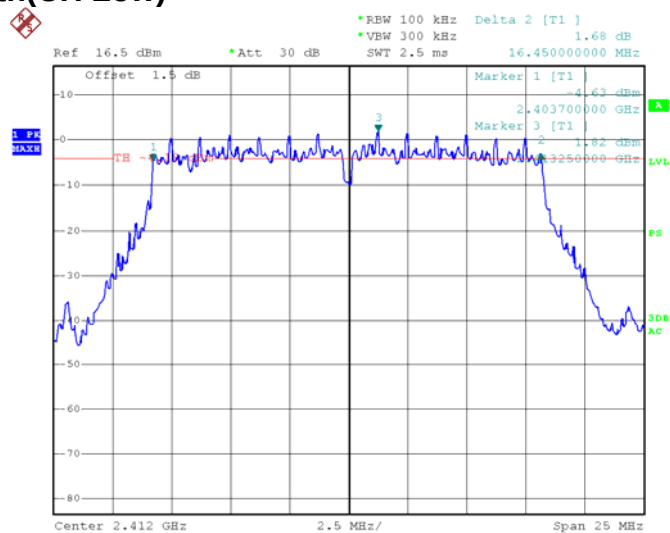
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6dB Bandwidth(CH High)

Date: 28.MAR.2014 13:25:41

Modulation Standard: 802.11g**6dB Bandwidth(CH Low)**

Date: 28.MAR.2014 13:04:12

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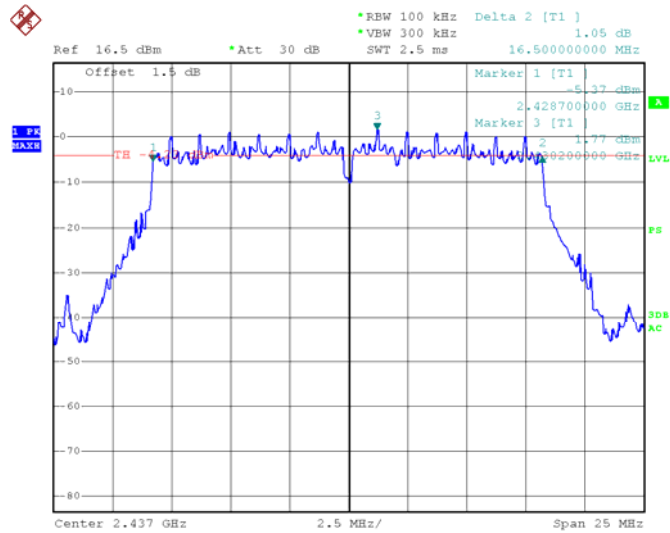
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Fax: +86-20-38780406

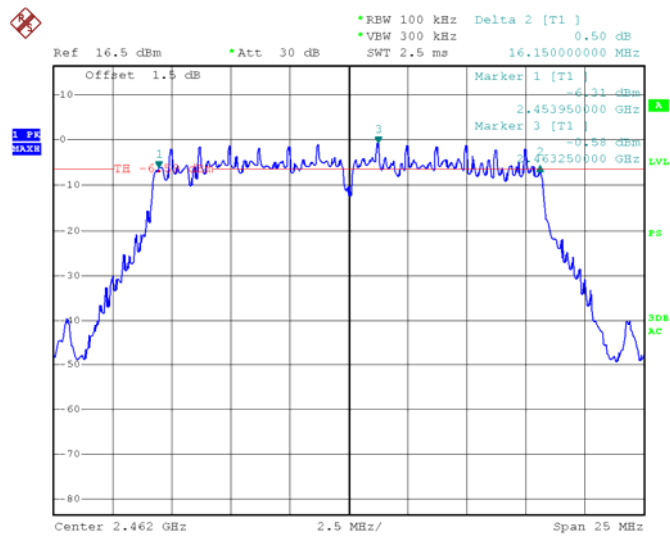
Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

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6dB Bandwidth(CH Middle)

Date: 28.MAR.2014 13:01:36

6dB Bandwidth(CH High)

Date: 28.MAR.2014 12:59:37

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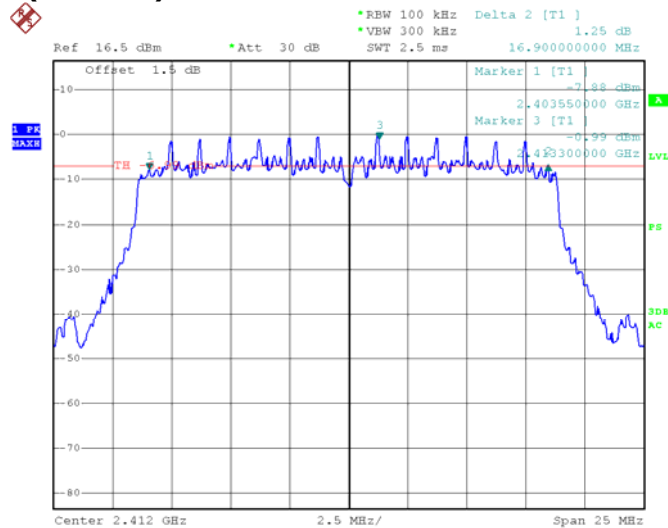
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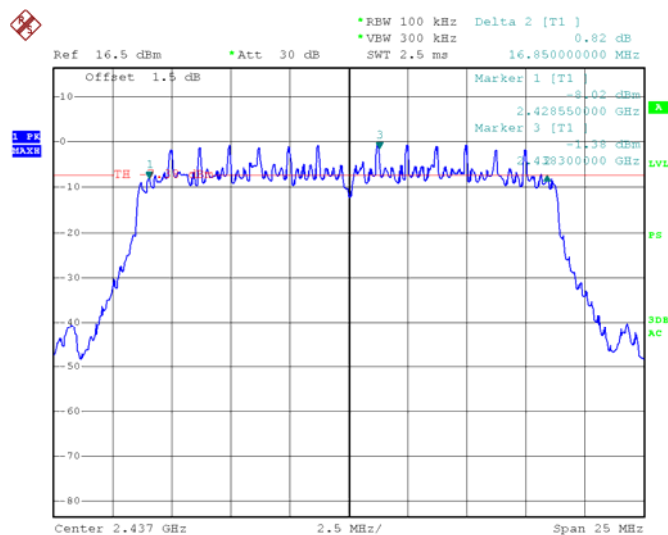
Complaint line: +86-20-85533471

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Modulation Standard: 802.11n(20)**6dB Bandwidth(CH Low)**

Date: 28.MAR.2014 13:08:44

6dB Bandwidth(CH Middle)

Date: 28.MAR.2014 13:10:35

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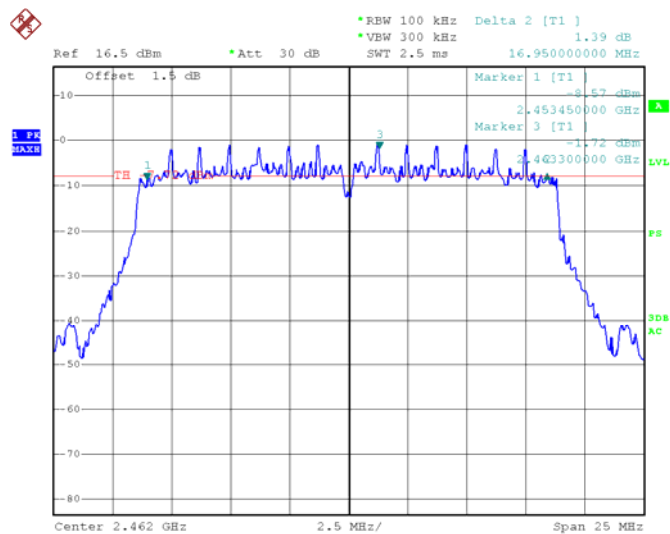
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Fax: +86-20-38780406

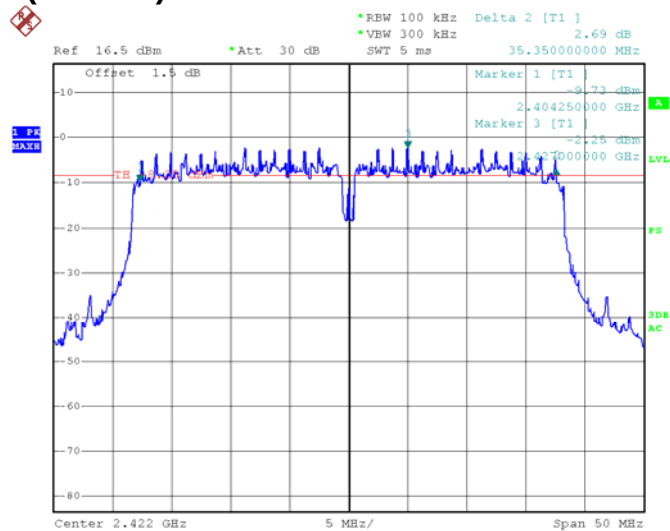
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6dB Bandwidth(CH High)

Date: 28.MAR.2014 13:13:33

Modulation Standard: 802.11n(40)**6dB Bandwidth(CH Low)**

Date: 28.MAR.2014 13:19:21

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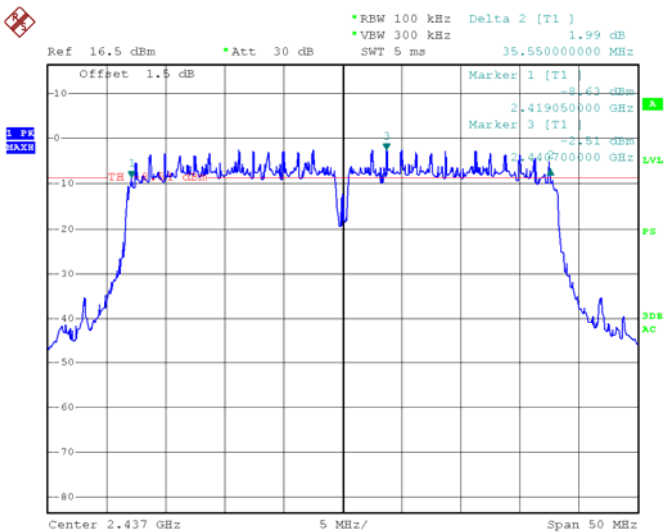
Complaint line: +86-20-85533471

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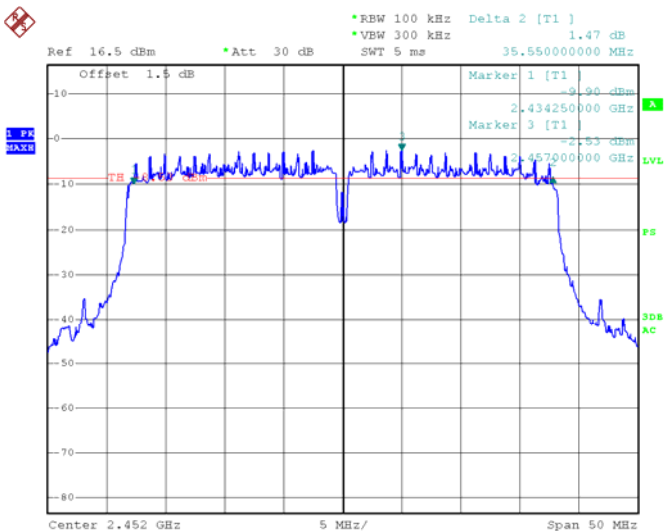


6dB Bandwidth(CH Middle)



Date: 28.MAR.2014 13:17:56

6dB Bandwidth(CH High)



Date: 28.MAR.2014 13:16:48

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8.0 PEAK POWER

8.1 LIMIT

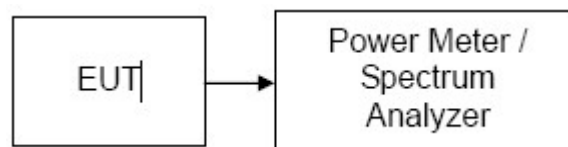
The maximum peak output power of the intentional radiator shall not exceed the following:

1. According to §15.247(b)(3), for systems using digital modulation in the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz: 1 Watt.
2. According to §15.247(b)(4), the conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.2 MEASUREMENT EQUIPMENT USED

Peak Power					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Signal analyzer	ROHDE & SCHWARZ	FSIQ26	100311	2014/03
2	Power meter	ROHDE & SCHWARZ	NRVS	842856/049	2014/03

8.3 TEST CONDIGURATION



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8.4 TEST PROCEDURE

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz.
3. Set VBW = 1 MHz.
4. Use sample detector mode if bin width (i.e., span/number of points in spectrum display) < 0.5 RBW. Otherwise use peak detector mode.
5. Use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at full control power for entire sweep of every sweep. If the device transmits continuously, with no off intervals or reduced power intervals, the trigger may be set to "free run".
6. Trace average 100 traces in power averaging mode.
7. Compute power by integrating the spectrum across the 26 dB EBW of the signal. The integration can be performed using the spectrum analyzer's band power measurement function with band limits set equal to the EBW band edges or by summing power levels in each 1 MHz band in linear power terms. The 1 MHz band power levels to be summed can be obtained by averaging, in linear power terms, power levels in each frequency bin across the 1 MHz.

8.5 TEST RESULTS

Passed
Test Data

Modulation Standard	Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Result
802.11b:11Mbps (Worst Case)	Low	2412	14.59	30dBm	PASSED
	Middle	2437	14.16		PASSED
	High	2462	13.61		PASSED
802.11g:54Mbps (Worst Case)	Low	2412	18.59	30dBm	PASSED
	Middle	2437	18.17		PASSED
	High	2462	18.21		PASSED
802.11n(20):72Mbps (Worst Case)	Low	2412	15.33	30dBm	PASSED
	Middle	2437	14.87		PASSED
	High	2462	16.18		PASSED
802.11n(40):150Mbps (Worst Case)	Low	2422	17.92	30dBm	PASSED
	Middle	2437	17.84		PASSED
	High	2452	17.66		PASSED

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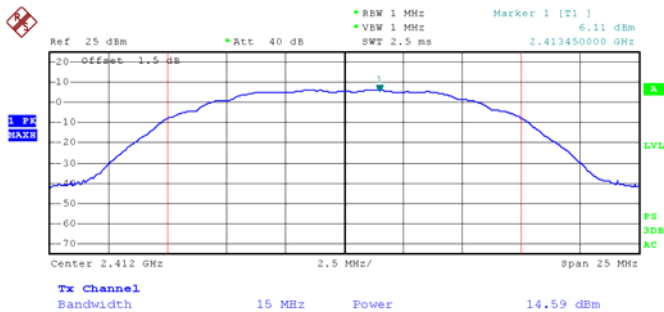
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Test Plot

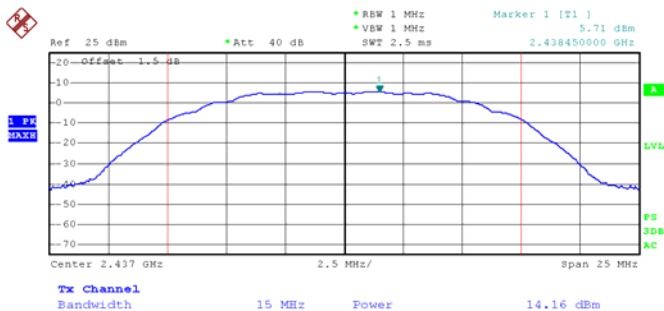
Modulation Standard: 802.11b

CH Low



Date: 28.MAR.2014 14:42:48

CH Middle



Date: 28.MAR.2014 14:43:42

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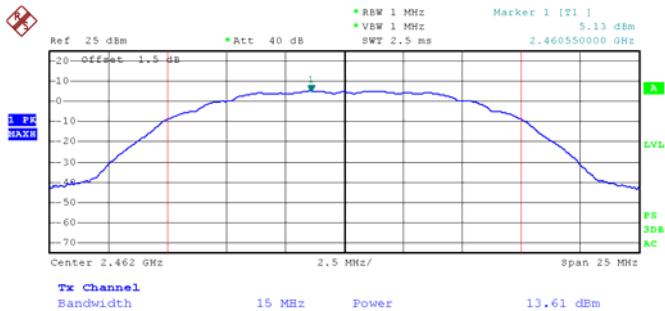
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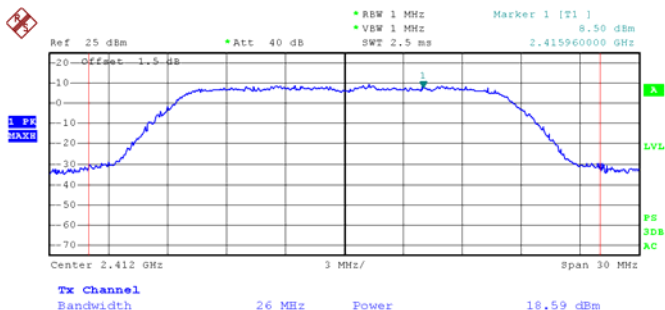
CH High



Date: 28.MAR.2014 14:44:55

Modulation Standard: 802.11g

CH Low



Date: 28.MAR.2014 14:47:28

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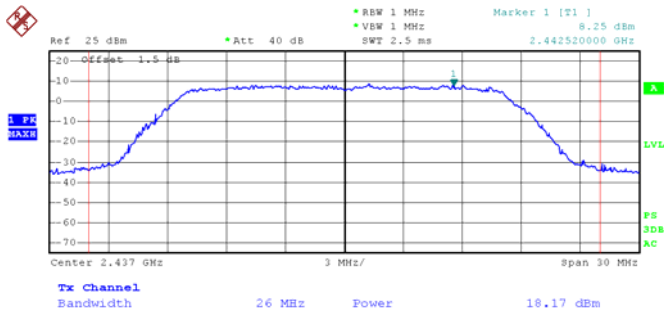
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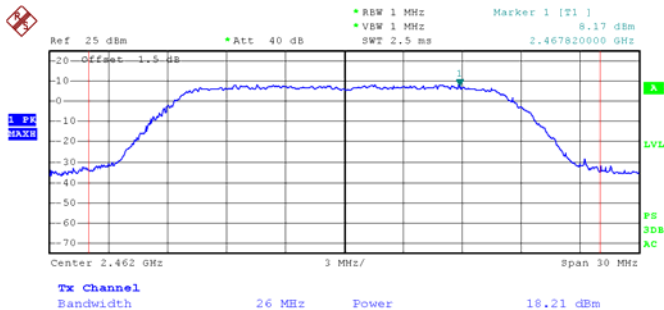


CH Middle



Date: 28.MAR.2014 14:46:40

CH High



Date: 28.MAR.2014 14:48:18

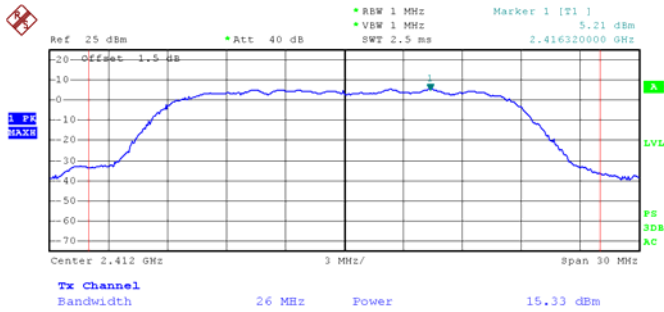
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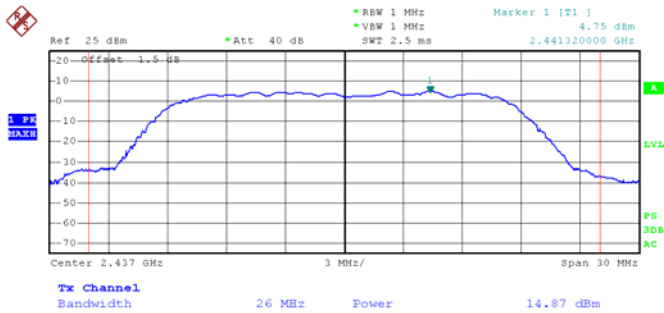


Modulation Standard: 802.11n(20)
CH Low



Date: 28.MAR.2014 14:50:50

CH Middle



Date: 28.MAR.2014 14:49:51

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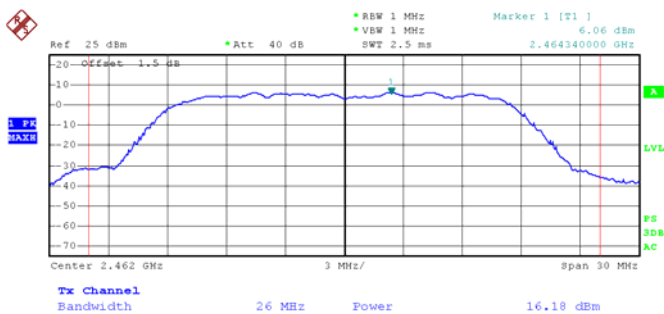
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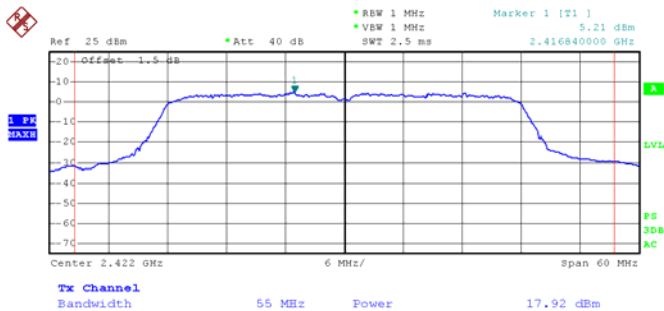
CH High



Date: 28.MAR.2014 14:48:58

Modulation Standard: 802.11n(40)

CH Low



Date: 28.MAR.2014 14:52:11

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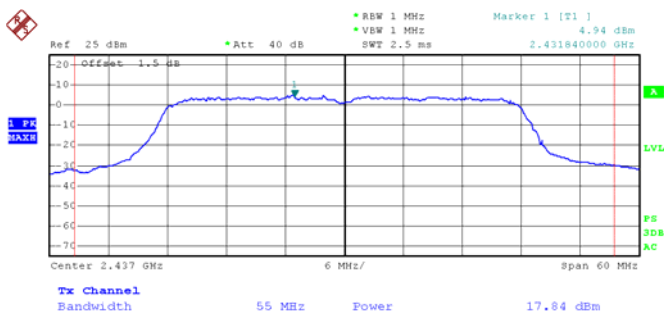
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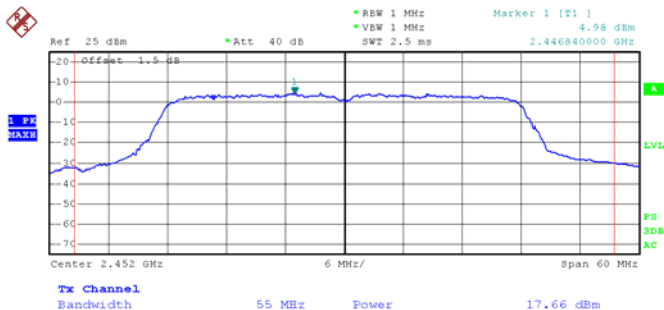


CH Middle



Date: 28.MAR.2014 14:53:13

CH High



Date: 28.MAR.2014 14:54:15

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9.0 PEAK POWER SPECTRAL DENSITY

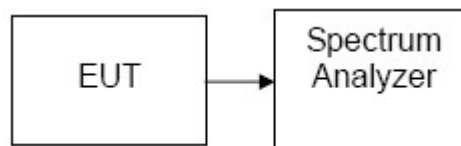
9.1 LIMIT

1. For direct sequence systems, the peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.
2. The direct sequence operating of the hybrid system, with the frequency hopping operation turned off, shall comply with the power density requirements of paragraph (d) of this section

9.2 MEASUREMENT EQUIPMENT USED

Peak Power Spectral Density					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Signal analyzer	ROHDE & SCHWARZ	FSIQ26	100311	2014/03

9.3 TEST CONFIGURATION



9.4 TEST PROCEDURE

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as RBW = 10kHz, VBW = 30kHz, Span = 1.5 times the bandwidth, Sweep=Auto couple
4. Record the max. reading.
5. Repeat the above procedure until the measurements for all frequencies are completed.

9.5 TEST RESULTS

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Modulation Standard	Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Result
802.11b	Low	2412	-17.22	8	PASSED
	Middle	2437	-18.19		PASSED
	High	2462	-18.79		PASSED
802.11g	Low	2412	-19.61	8	PASSED
	Middle	2437	-19.44		PASSED
	High	2462	-20.38		PASSED
802.11n(20)	Low	2412	-20.09	8	PASSED
	Middle	2437	-20.28		PASSED
	High	2462	-18.98		PASSED
802.11n(40)	Low	2422	-23.46	8	PASSED
	Middle	2437	-22.65		PASSED
	High	2452	-22.99		PASSED

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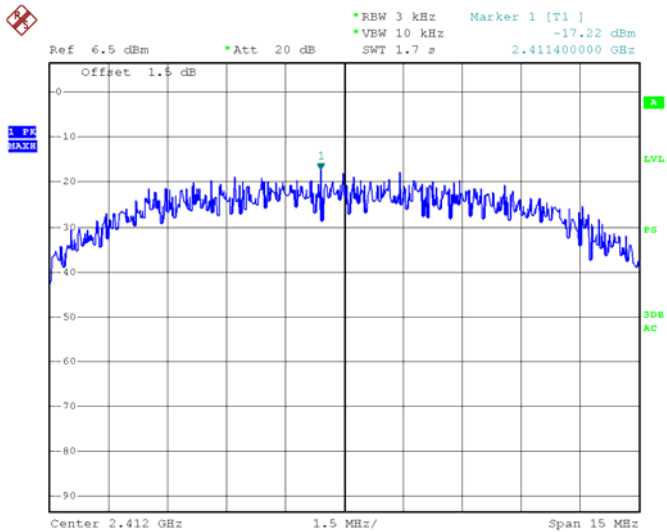
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Test Plot

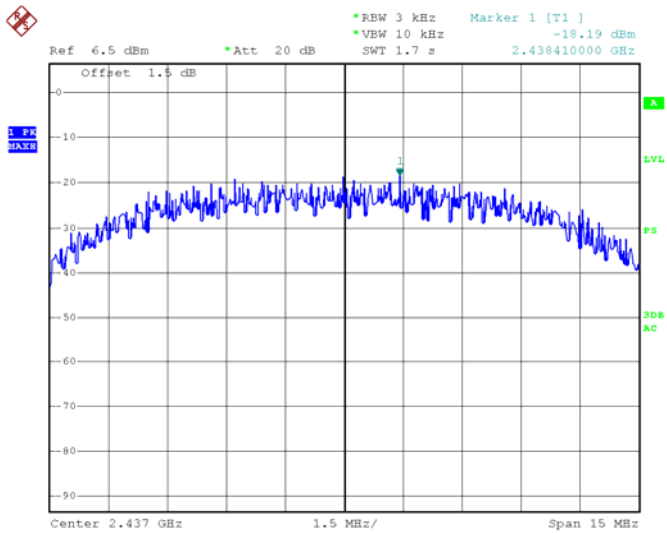
Modulation Standard: 802.11b

CH Low



Date: 22.APR.2014 09:45:47

CH Middle



Date: 22.APR.2014 09:46:21

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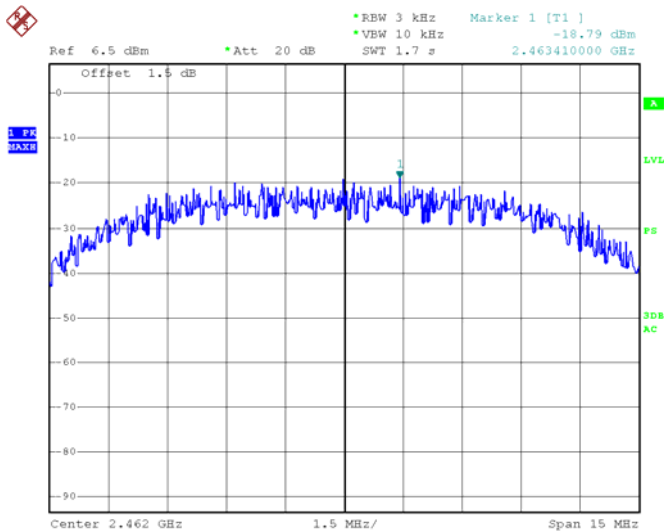
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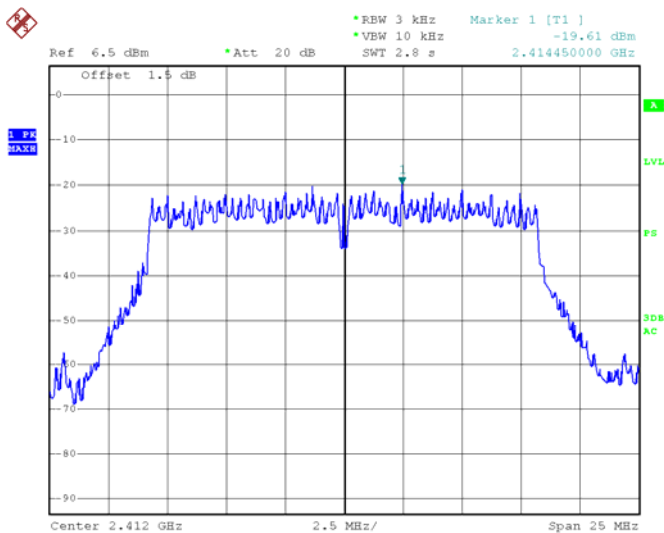
CH High



Date: 22.APR.2014 09:47:08

Modulation Standard: 802.11g

CH Low



Date: 22.APR.2014 09:51:40

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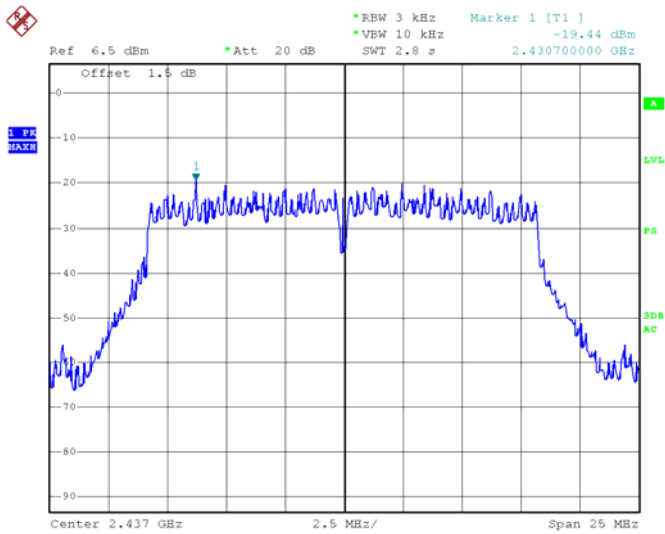
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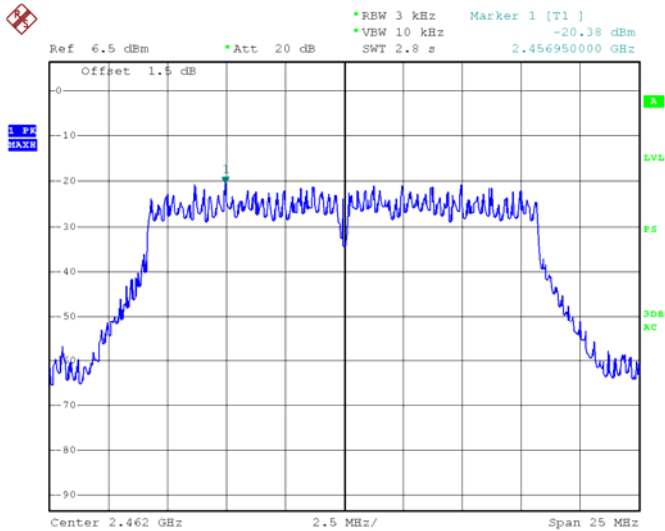


CH Middle



Date: 22.APR.2014 09:52:21

CH High



Date: 22.APR.2014 09:53:08

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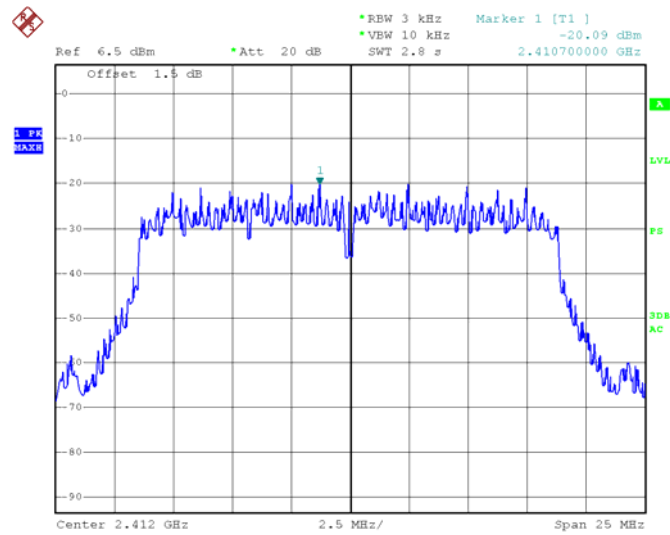
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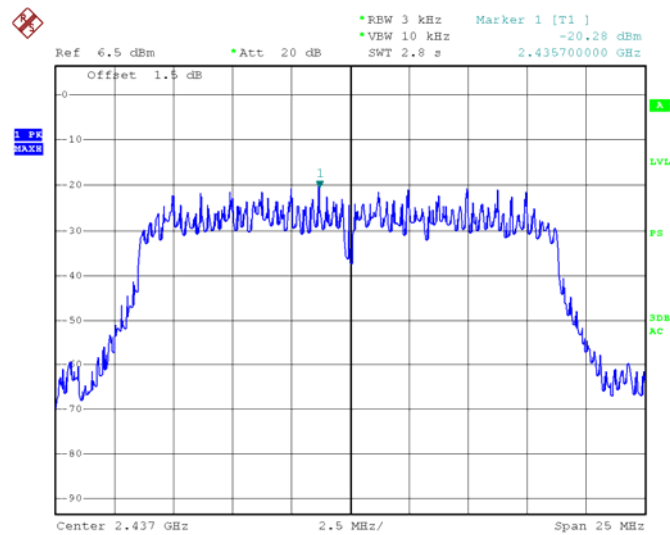
Modulation Standard: 802.11n(20)

CH Low



Date: 22.APR.2014 09:56:00

CH Middle



Date: 22.APR.2014 09:55:26

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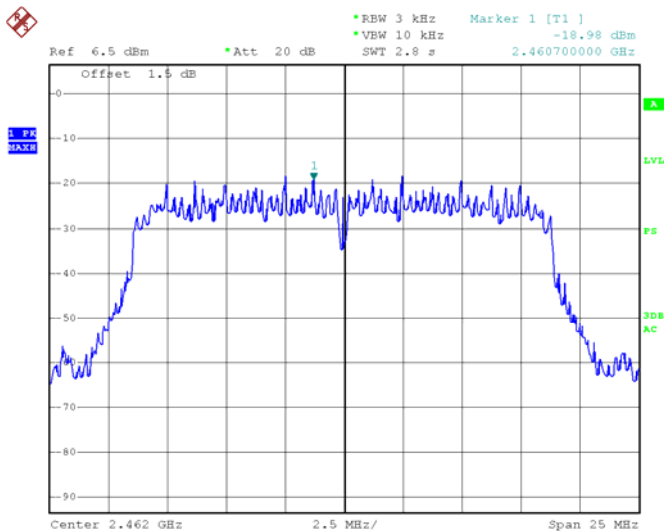
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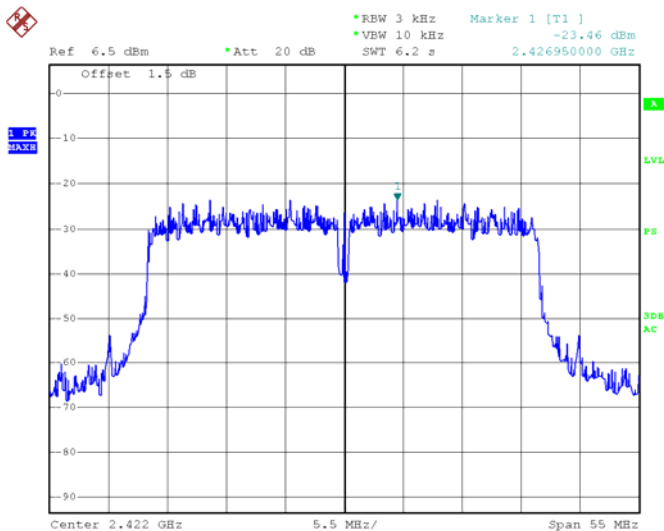
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Date: 22.APR.2014 09:54:45

Modulation Standard: 802.11n(40)

CH Low



Date: 22.APR.2014 09:58:02

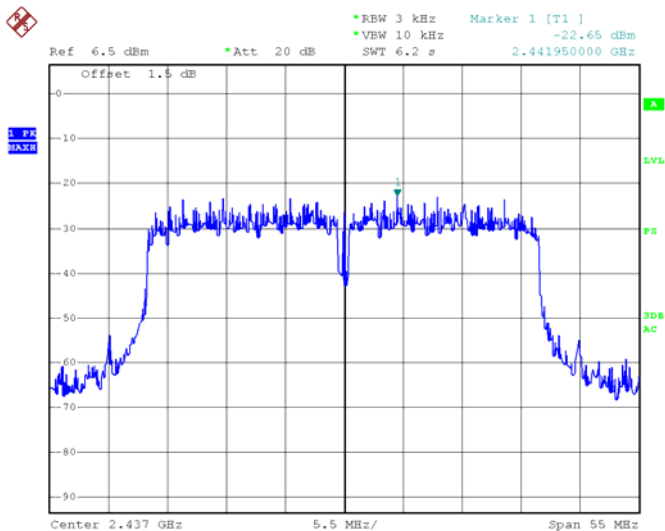
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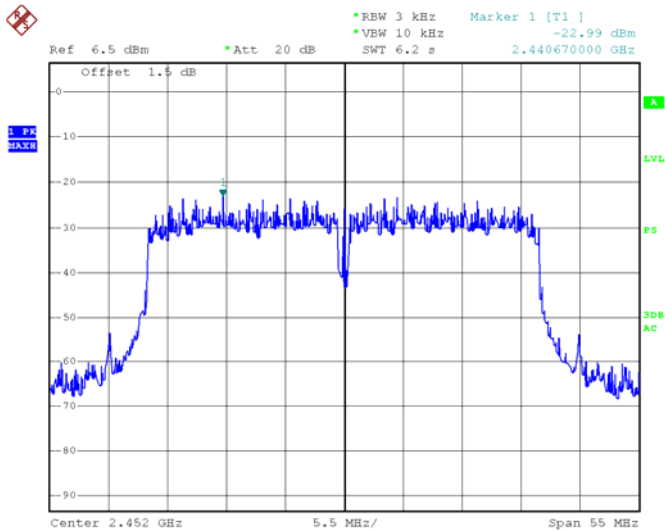


CH Middle



Date: 22.APR.2014 09:58:54

CH High



Date: 22.APR.2014 09:59:50

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10.0 BAND EDGES MEASUREMENT

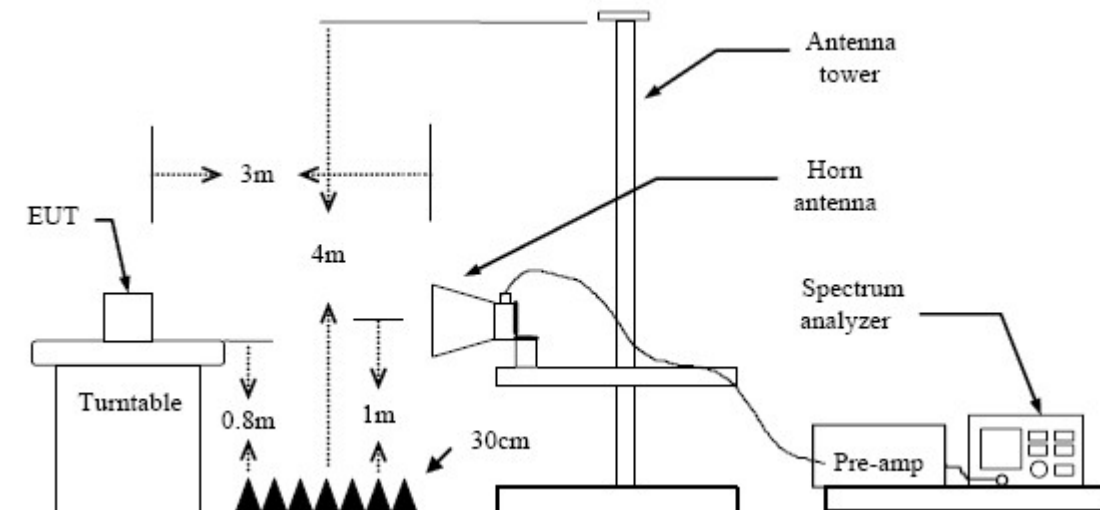
10.1 LIMIT

Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in 15.209(a) (see Section 15.205(c)).

10.2 MEASUREMENT EQUIPMENT USED

Radiated disturbance (electric field)					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	100868	2013/11
2	Biconical Antenna	ROHDE & SCHWARZ	HK116	100221	2014/03
3	Log per Antenna	ROHDE & SCHWARZ	HL223	100226	2014/03
4	Log per Antenna	ROHDE & SCHWARZ	HL050	100186	2014/03
5	Signal analyzer	ROHDE & SCHWARZ	FSIQ26	100311	2014/03
6	Loop Antenna	A.R.A	PLA-1030/B	1030	2013/11
7	EMI Test Software	EZ-EMC	Farad	N/A	N/A

10.3 Test Configuration



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10.4 TEST PROCEDURE

1. The EUT is placed on a turntable, which is 0.8m above the ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz / VBW=3KHz and 10KHz(1/On Time) / Sweep=AUTO
5. Repeat the procedures until all the PEAK and AVERAGE versus POLARIZATION are measured.

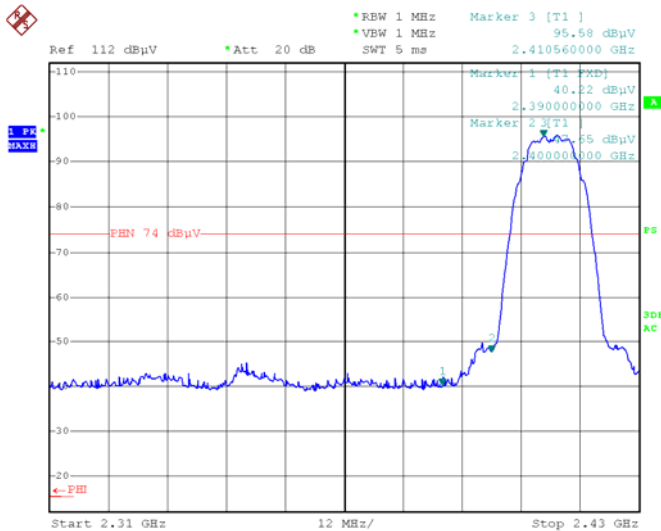
10.5 TEST RESULTS

Refer to attach spectrum analyzer data chart.



Modulation Standard: 802.11b
Band Edges (CH-Low)
Detector mode: Peak

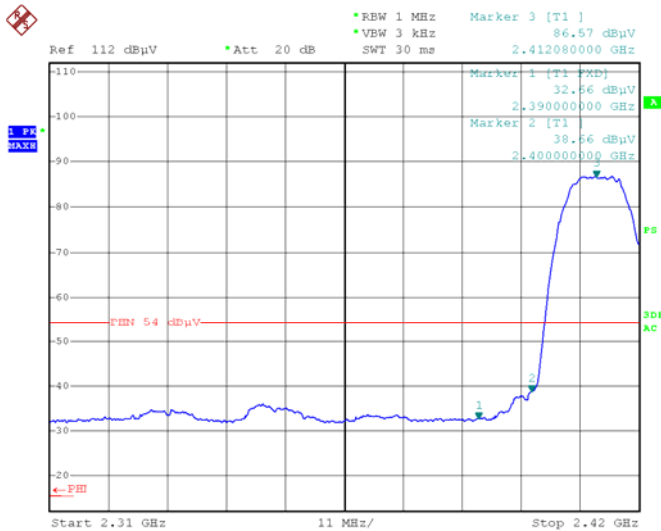
Polarity: Horizontal



Date: 27.MAR.2014 07:24:04

Band Edges (CH-Low)
Detector mode: Average

Polarity: Horizontal



Date: 27.MAR.2014 08:31:40

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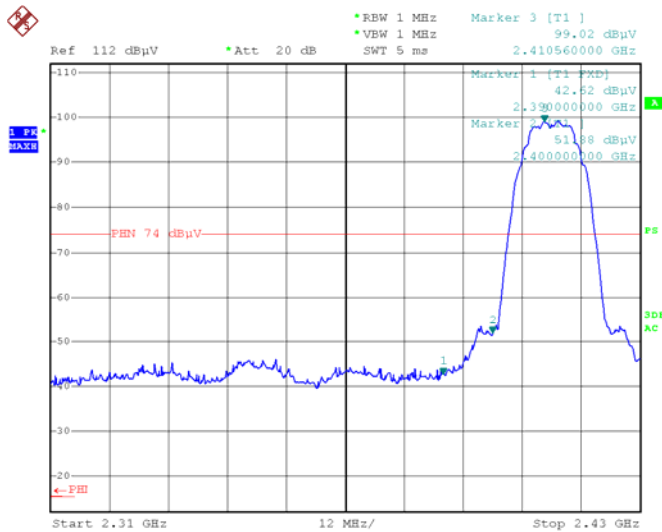
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Band Edges (CH-Low)
Detector mode: Peak

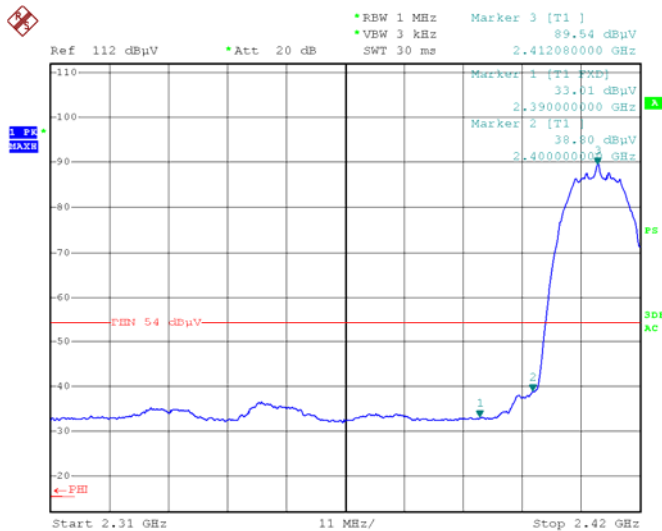
Polarity: Vertical



Date: 27.MAR.2014 07:23:09

Band Edges (CH-Low)
Detector mode: Average

Polarity: Vertical



Date: 27.MAR.2014 08:31:15

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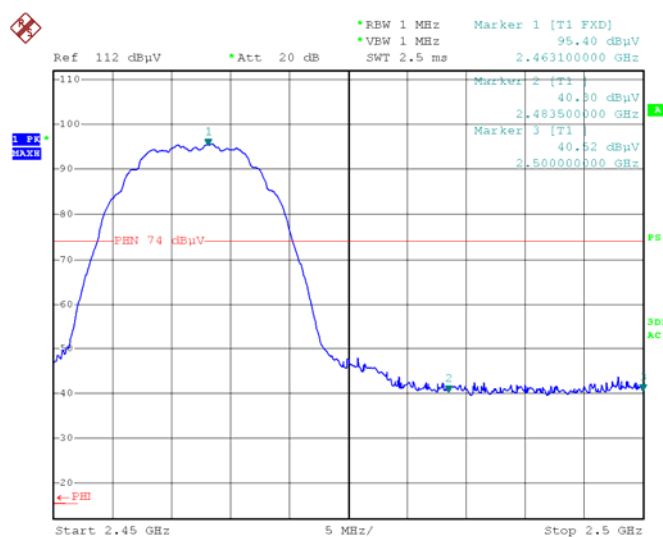
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Band Edges (CH-High)

Detector mode: Peak

Polarity: Horizontal

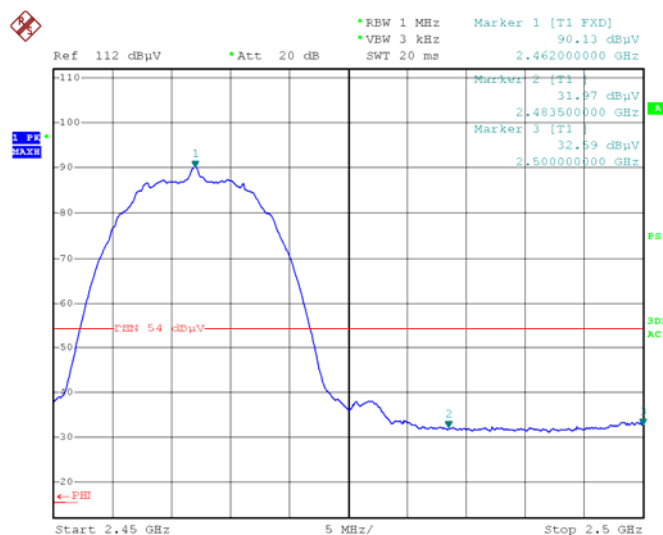


Date: 27.MAR.2014 09:27:47

Band Edges (CH-High)

Detector mode: Average

Polarity: Horizontal



Date: 27.MAR.2014 09:26:17

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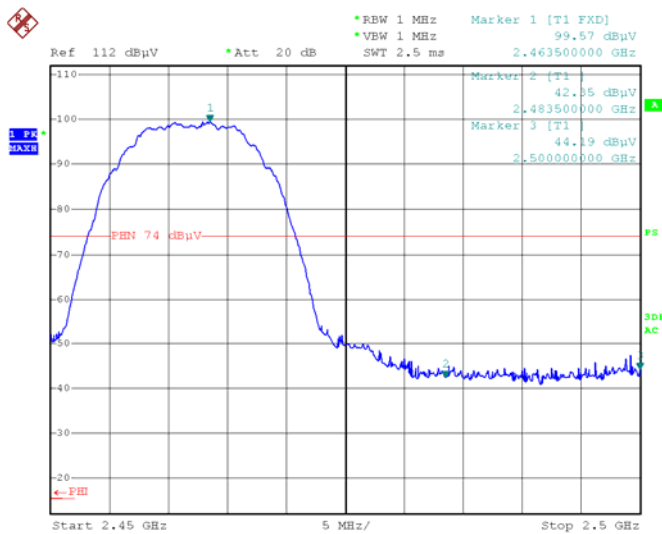
E-mail: cts@cts-lab.com.cn

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Band Edges (CH-High)
Detector mode: Peak

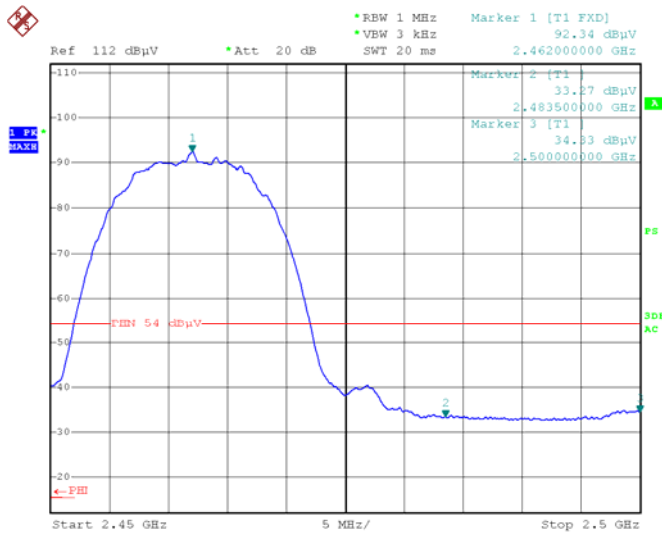
Polarity: Vertical



Date: 27.MAR.2014 09:27:08

Band Edges (CH-High)
Detector mode: Average

Polarity: Vertical



Date: 27.MAR.2014 09:25:50

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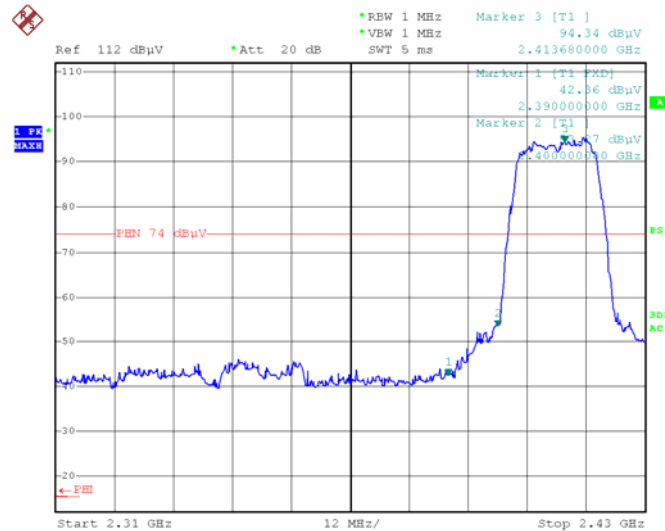
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Modulation Standard: 802.11g
Band Edges (CH-Low)
Detector mode: Peak

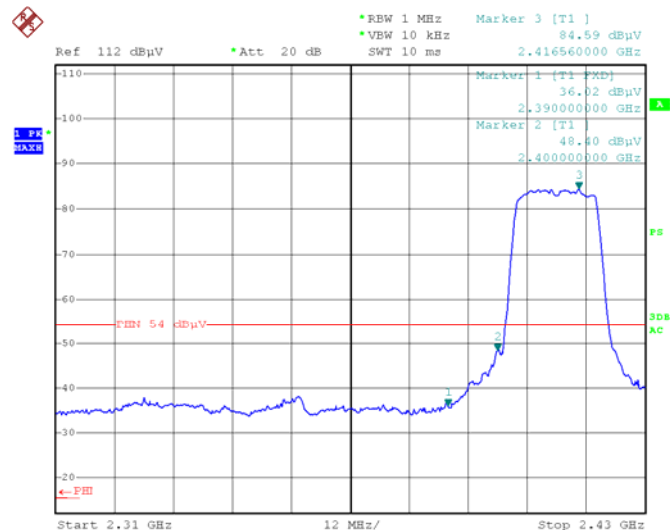
Polarity: Horizontal



Date: 27.MAR.2014 07:26:07

Band Edges (CH-Low)
Detector mode: Average

Polarity: Horizontal



Date: 27.MAR.2014 08:49:39

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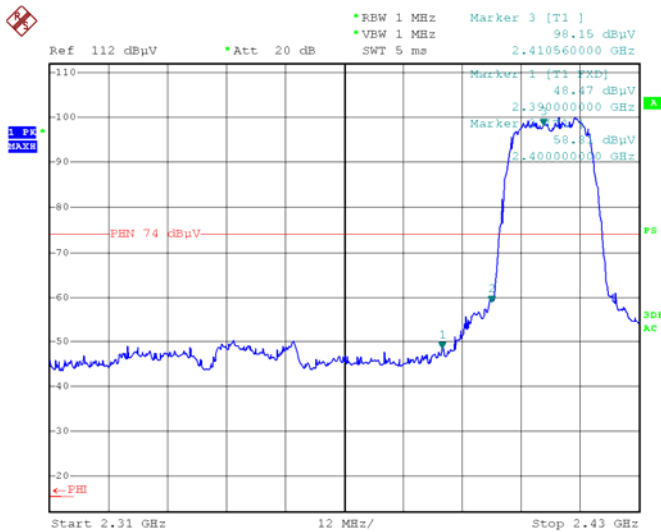
E-mail: cts@cts-lab.com.cn

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Band Edges (CH-Low)
Detector mode: Peak

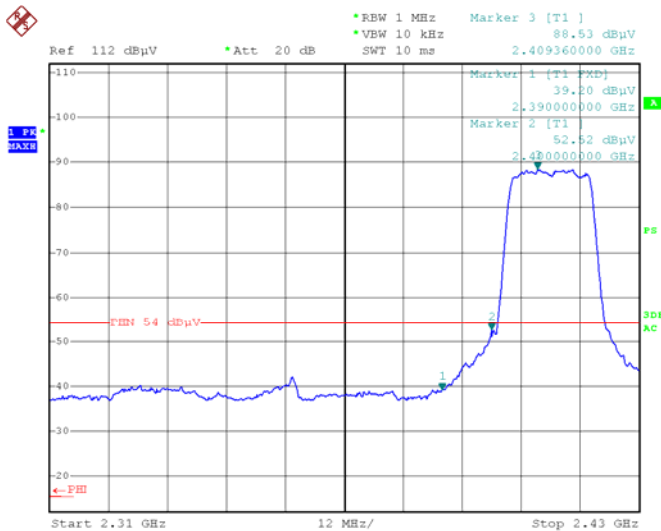
Polarity: Vertical



Date: 27.MAR.2014 07:25:10

Band Edges (CH-Low)
Detector mode: Average

Polarity: Vertical



Date: 27.MAR.2014 08:49:06

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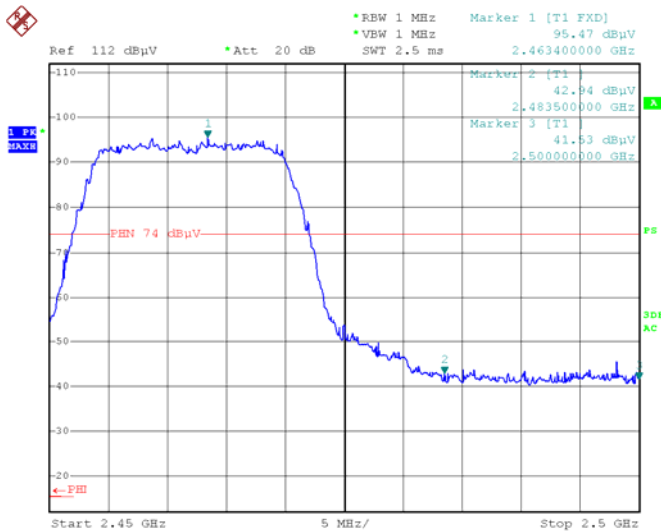
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Band Edges (CH-High)
Detector mode: Peak

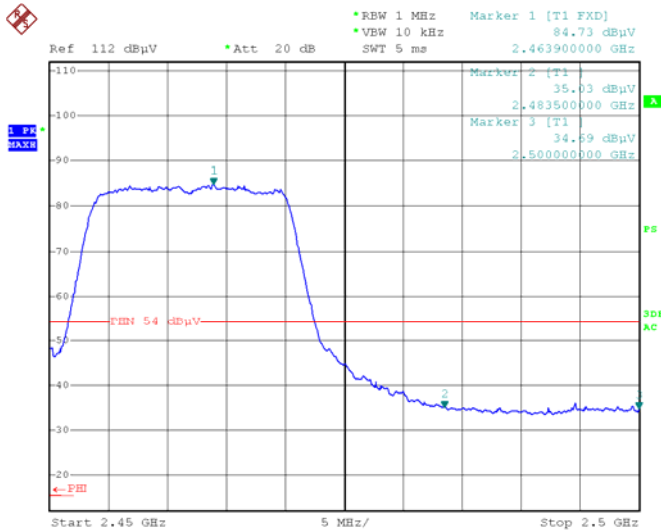
Polarity: Horizontal



Date: 27.MAR.2014 09:21:11

Band Edges (CH-High)
Detector mode: Average

Polarity: Horizontal



Date: 27.MAR.2014 09:22:39

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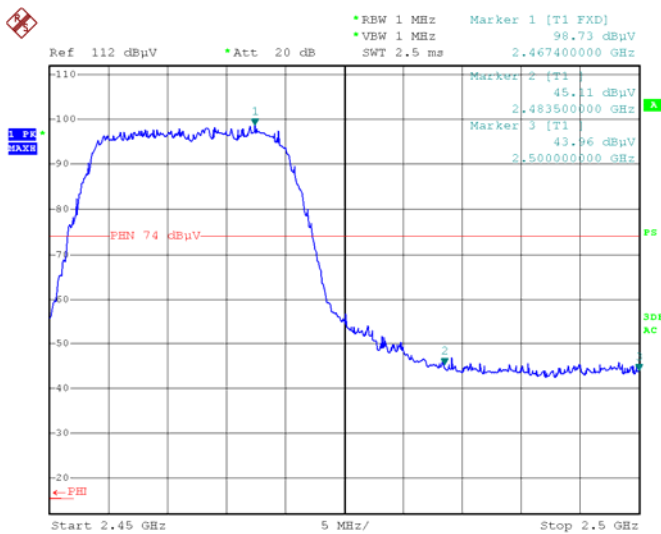
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Band Edges (CH-High)
Detector mode: Peak

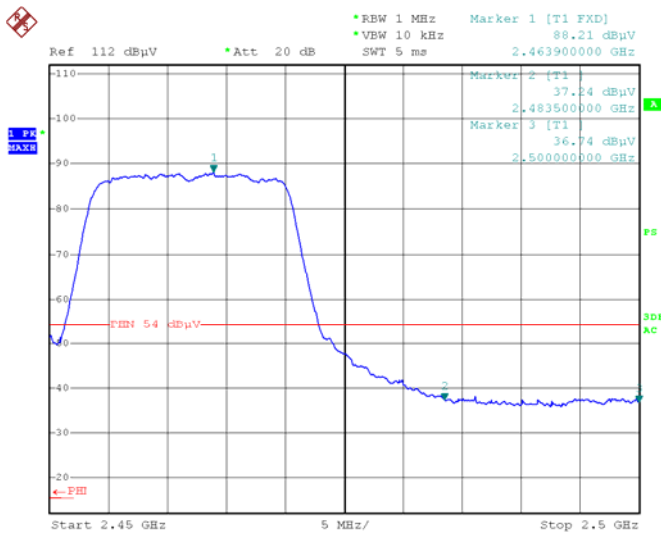
Polarity: Vertical



Date: 27.MAR.2014 09:20:35

Band Edges (CH-High)
Detector mode: Average

Polarity: Vertical



Date: 27.MAR.2014 09:21:59

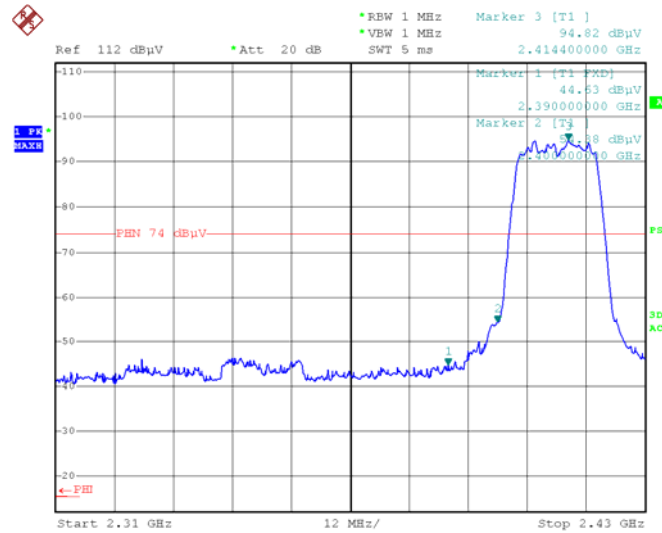
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Modulation Standard: 802.11n(20)
Band Edges (CH-Low)
Detector mode: Peak

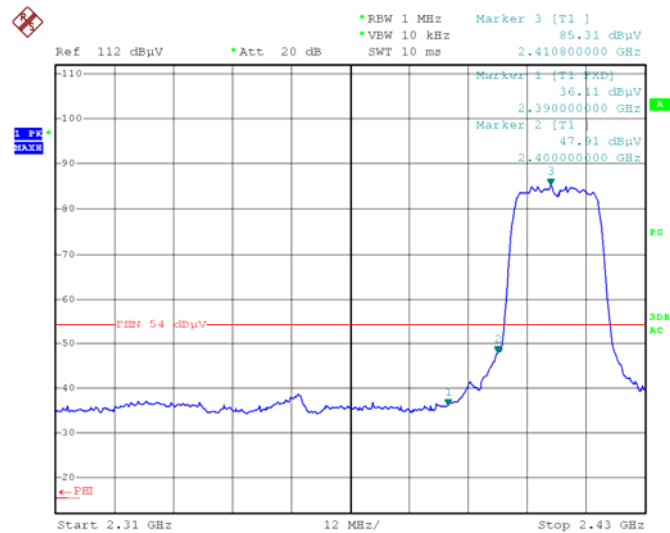
Polarity: Horizontal



Date: 27.MAR.2014 08:00:31

Band Edges (CH-Low)
Detector mode: Average

Polarity: Horizontal



Date: 27.MAR.2014 08:48:05

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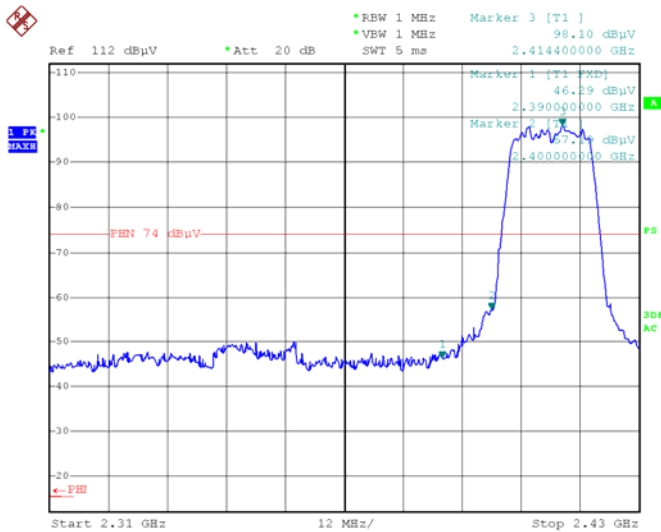
E-mail: cts@cts-lab.com.cn

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Band Edges (CH-Low)
Detector mode: Peak

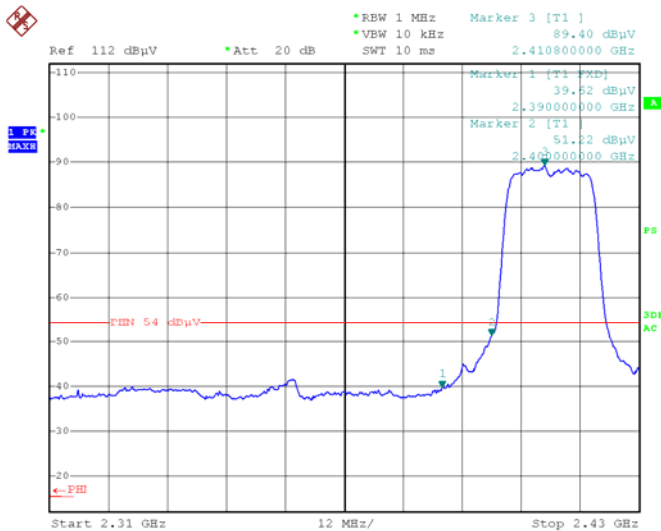
Polarity: Vertical



Date: 27.MAR.2014 07:59:55

Band Edges (CH-Low)
Detector mode: Average

Polarity: Vertical



Date: 27.MAR.2014 08:47:16

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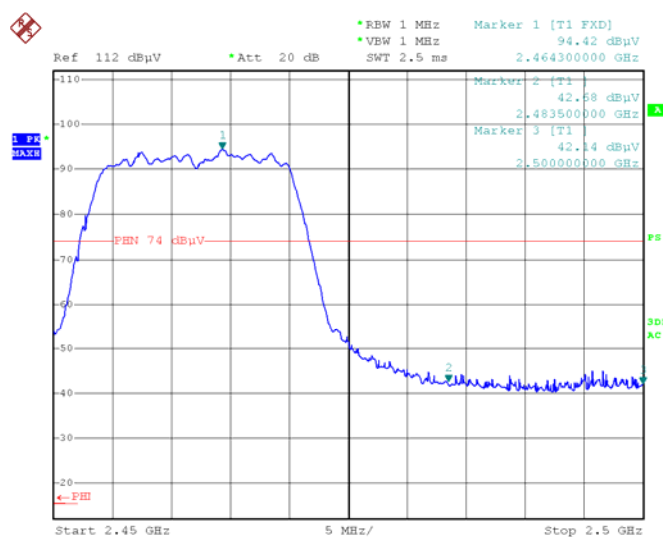
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Band Edges (CH-High)

Detector mode: Peak

Polarity: Horizontal

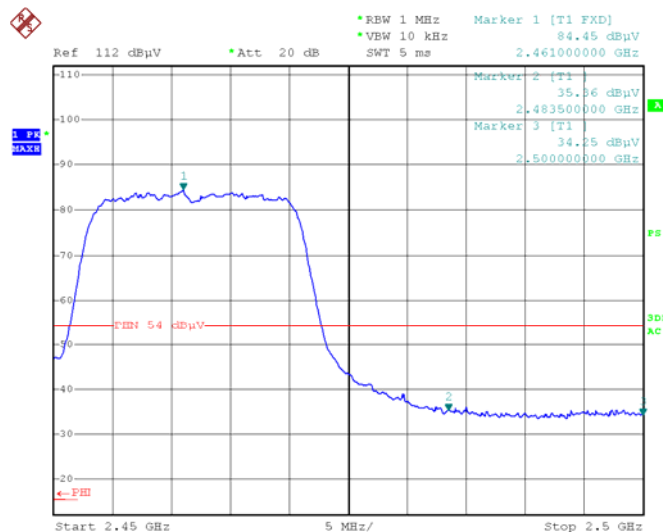


Date: 27.MAR.2014 09:06:58

Band Edges (CH-High)

Detector mode: Average

Polarity: Horizontal



Date: 27.MAR.2014 09:05:03

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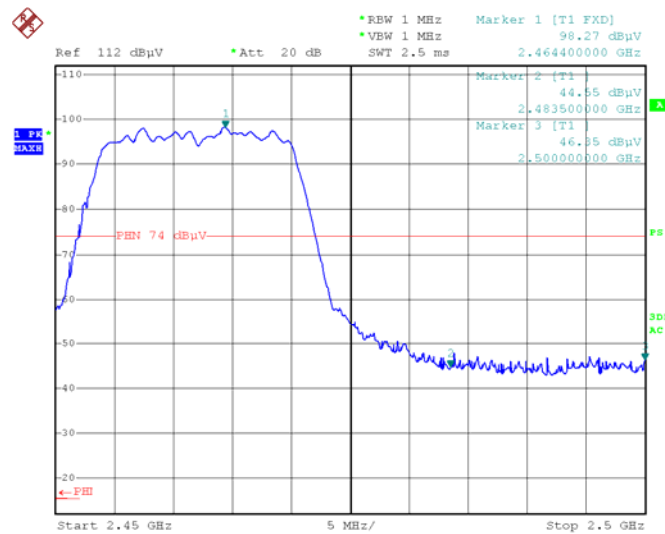
E-mail: cts@cts-lab.com.cn

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Band Edges (CH-High)

Detector mode: Peak

Polarity: Vertical

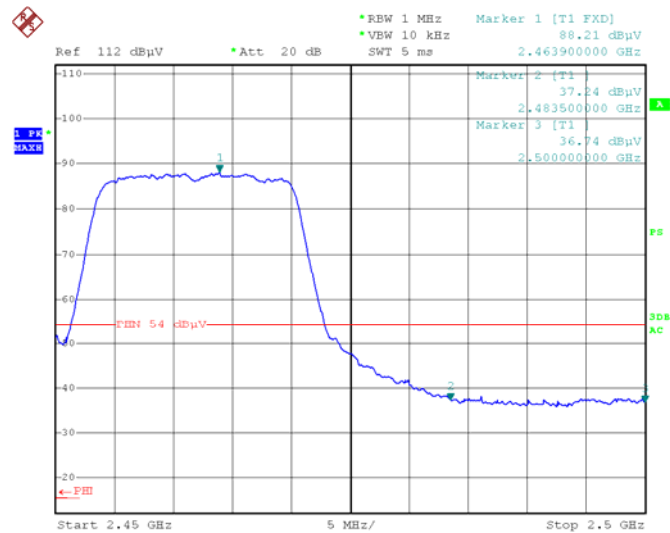


Date: 27.MAR.2014 09:05:54

Band Edges (CH-High)

Detector mode: Average

Polarity: Vertical



Date: 27.MAR.2014 09:21:59

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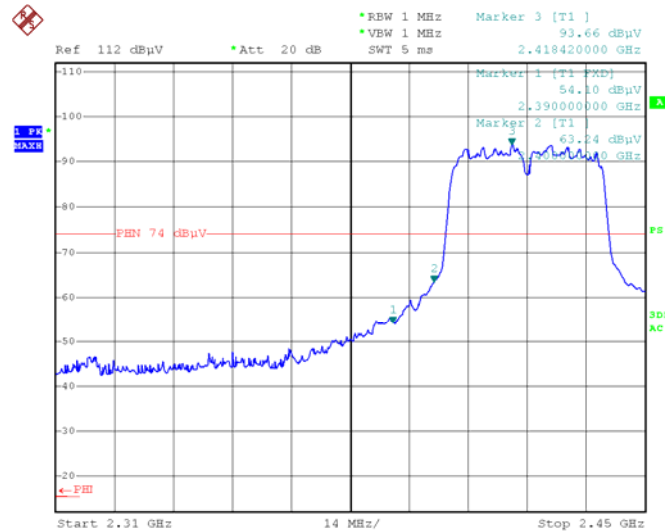
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Modulation Standard: 802.11n(40)
Band Edges (CH-Low)
Detector mode: Peak

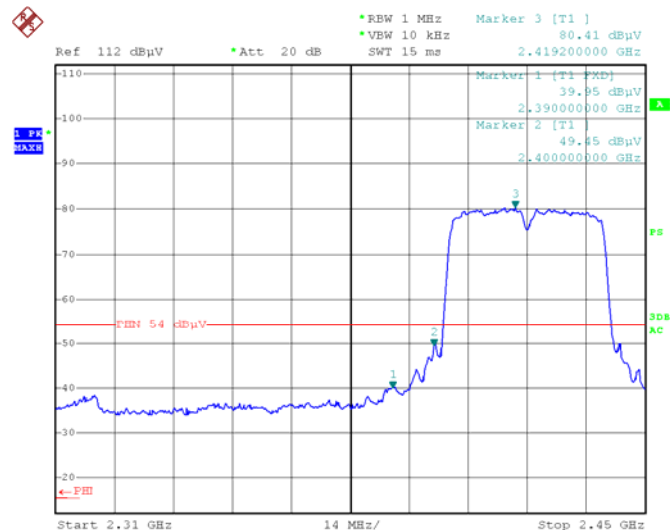
Polarity: Horizontal



Date: 27.MAR.2014 07:58:44

Band Edges (CH-Low)
Detector mode: Average

Polarity: Horizontal



Date: 27.MAR.2014 08:52:14

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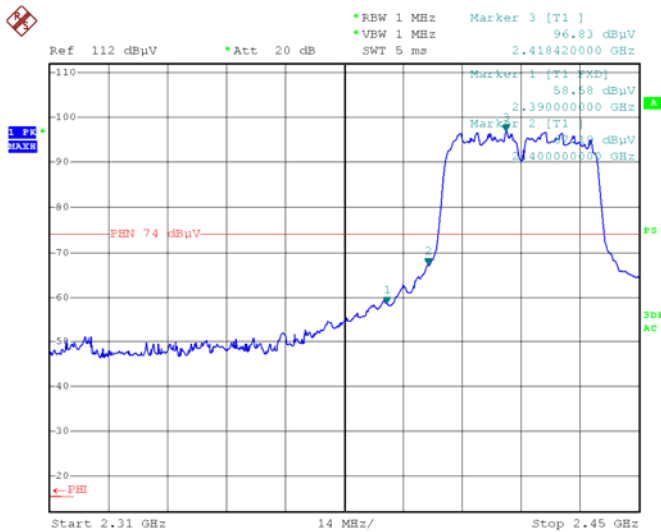
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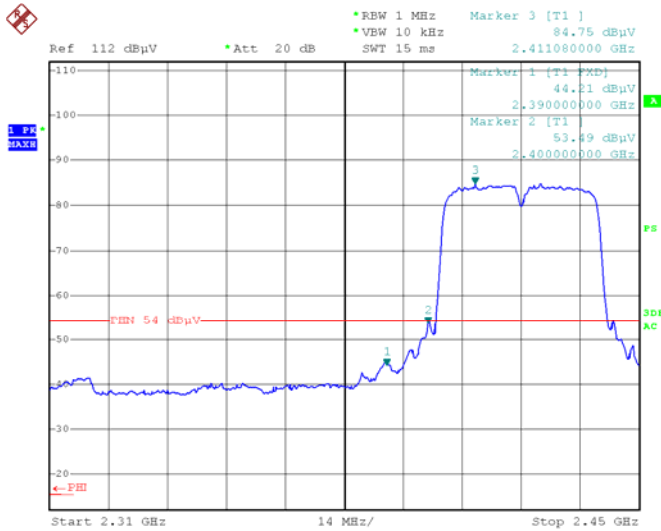
Band Edges (CH-Low)
Detector mode: Peak

Polarity: Vertical



Band Edges (CH-Low)
Detector mode: Average

Polarity: Vertical



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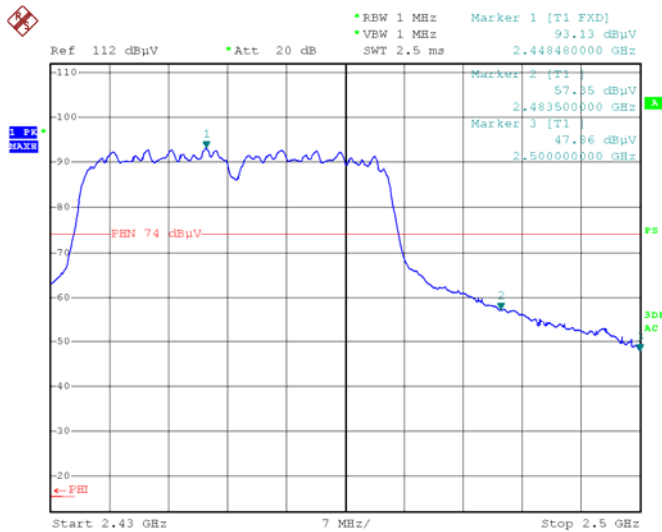
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Band Edges (CH-High)
Detector mode: Peak

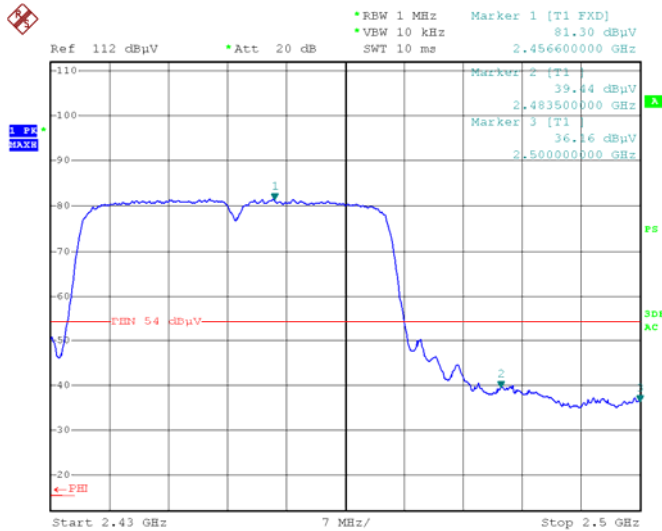
Polarity: Horizontal



Date: 27.MAR.2014 09:30:14

Band Edges (CH-High)
Detector mode: Average

Polarity: Horizontal



Date: 27.MAR.2014 09:31:38

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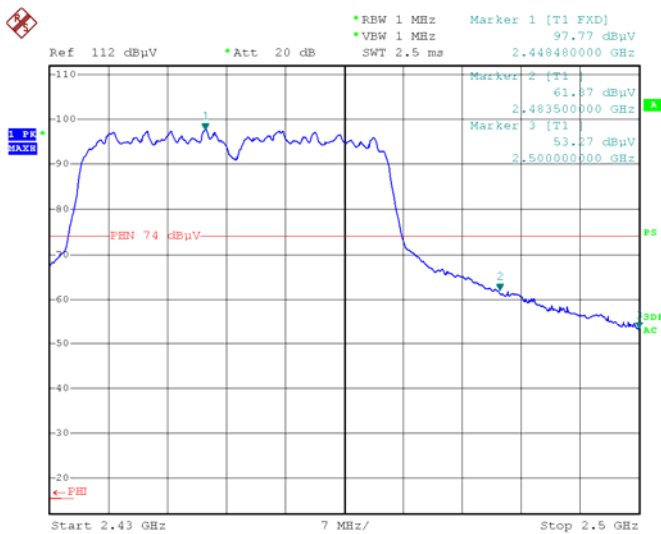
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Band Edges (CH-High)
Detector mode: Peak

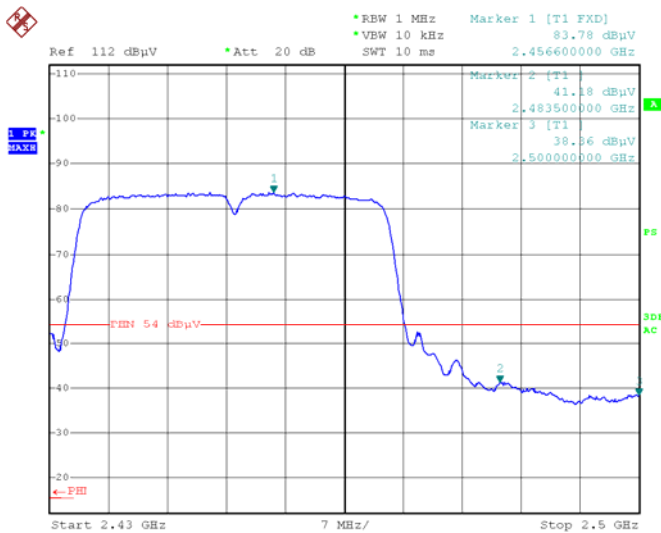
Polarity: Vertical



Date: 27.MAR.2014 09:29:18

Band Edges (CH-High)
Detector mode: Average

Polarity: Vertical



Date: 27.MAR.2014 09:31:07

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11.0 SPURIOUS EMISSIONS

11.1 LIMIT

Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
0.009 ~ 0.490	300	2400/F(kHz)	---
0.490 ~ 1.705	30	24000/F(kHz)	---
1.705 ~ 30	30	30	---
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	Other: 74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Note: Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

11.2 Test Equipment

Radiated disturbance (electric field)					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	100868	2013/11
2	Biconical Antenna	ROHDE & SCHWARZ	HK116	100221	2014/03
3	Log per Antenna	ROHDE & SCHWARZ	HL223	100226	2014/03
4	Log per Antenna	ROHDE & SCHWARZ	HL050	100186	2014/03
5	Signal analyzer	ROHDE & SCHWARZ	FSIQ26	100311	2014/03
6	Loop Antenna	A.R.A	PLA-1030/B	1030	2013/11
7	EMI Test Software	EZ-EMC	Farad	N/A	N/A

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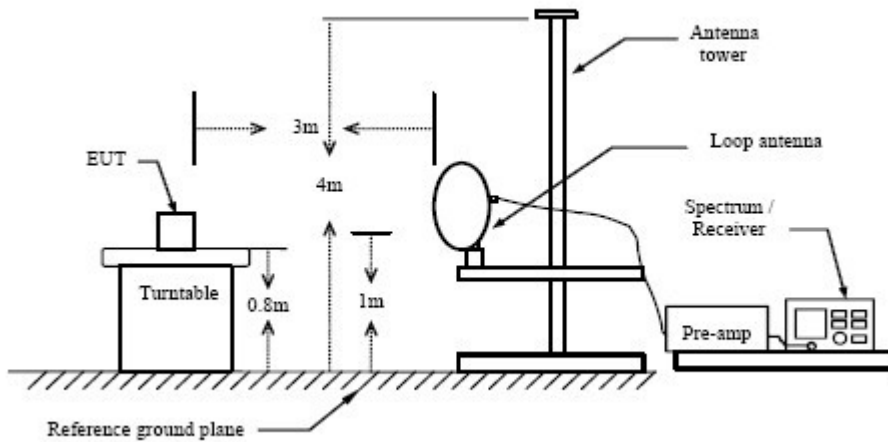
Complaint line: +86-20-85533471

E-mail: cts@cts-lab.com.cn

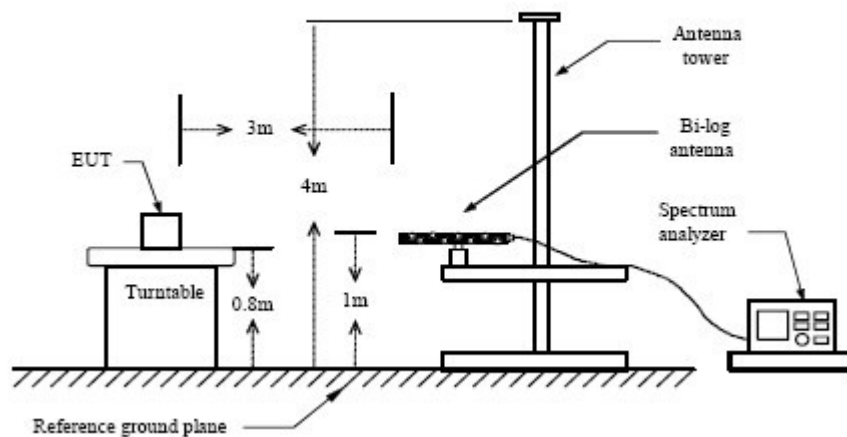
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11.3 TEST CONFIGURATION

Below 30MHz



Below 1 GHz



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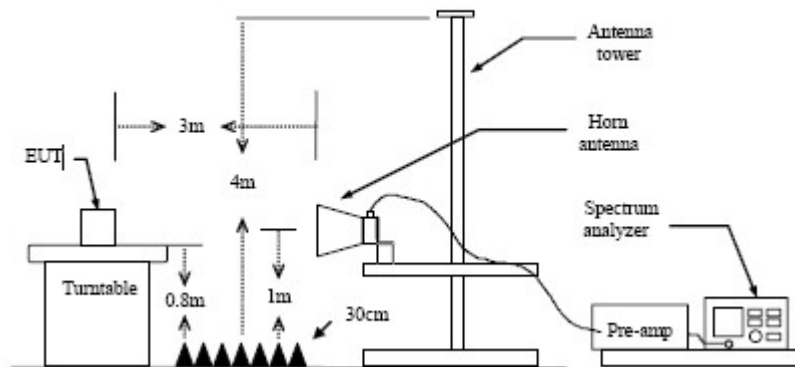
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Above 1 GHz



11.4 TEST PROCEDURE

1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.

11.5 TEST RESULTS

The frequency range from 9KHz~30MHz, 30MHz to 230MHz, 230MHz to 1000MHz and above 1GHz. is investigated. Please see the following pages.

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Test Mode:	TX –X Position Mode	Result:	☒ - passed
Frequency range:	9KHz~30MHz		☐ - not passed

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
Remark: The test result reading value is to low, margin all > 10dB of the limit.							

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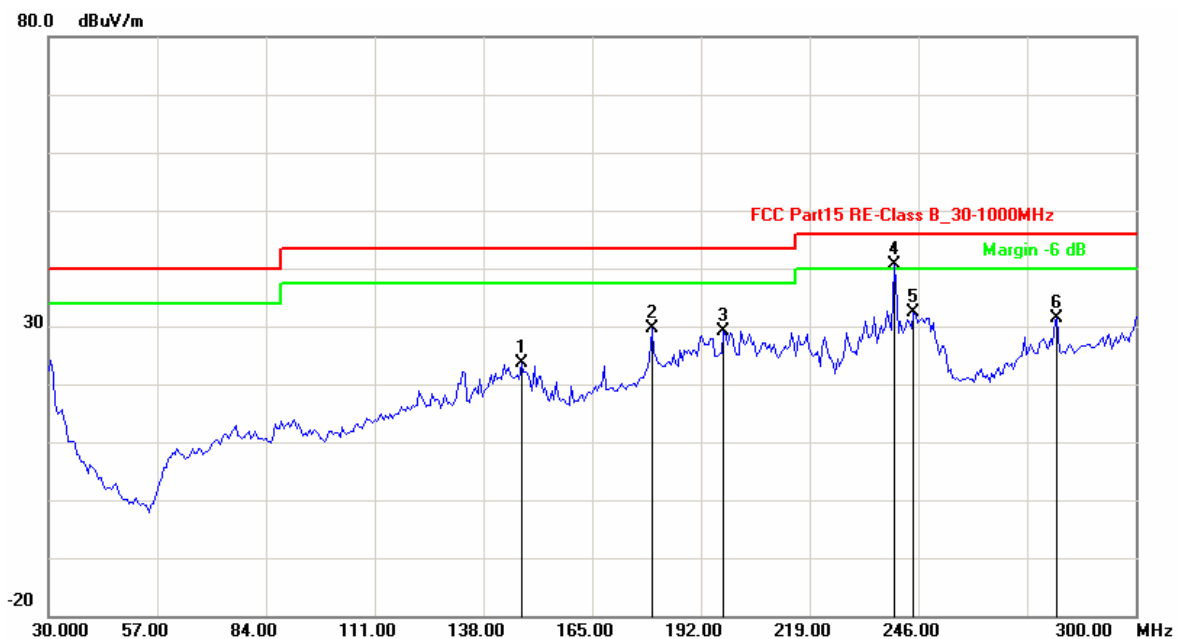
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EUT	LilEyes Baby Monitor
Operating Condition	DC 5V BY ADAPTER
Test Condition	Ambient Temperature: 25°C Humidity: 56%
Test distance	3 Meter
Test Date:	21 March~08 April 2014
Operator	Duke
MODEL NO	LE528H

Channel:	TX -X Position	Result:	☒ - passed
Test point:	Horizontal		☐ - not passed
Frequency range:	30MHz-1GHz		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	147.4148	-17.09	40.78	23.69	43.50	-19.81	QP
2	179.8798	-15.56	45.22	29.66	43.50	-13.84	QP
3	197.7355	-12.51	41.72	29.21	43.50	-14.29	QP
4	239.9399	-13.13	53.69	40.56	46.00	-5.44	QP
5	244.8096	-12.96	45.38	32.42	46.00	-13.58	QP
6	280.5210	-9.23	40.70	31.47	46.00	-14.53	QP

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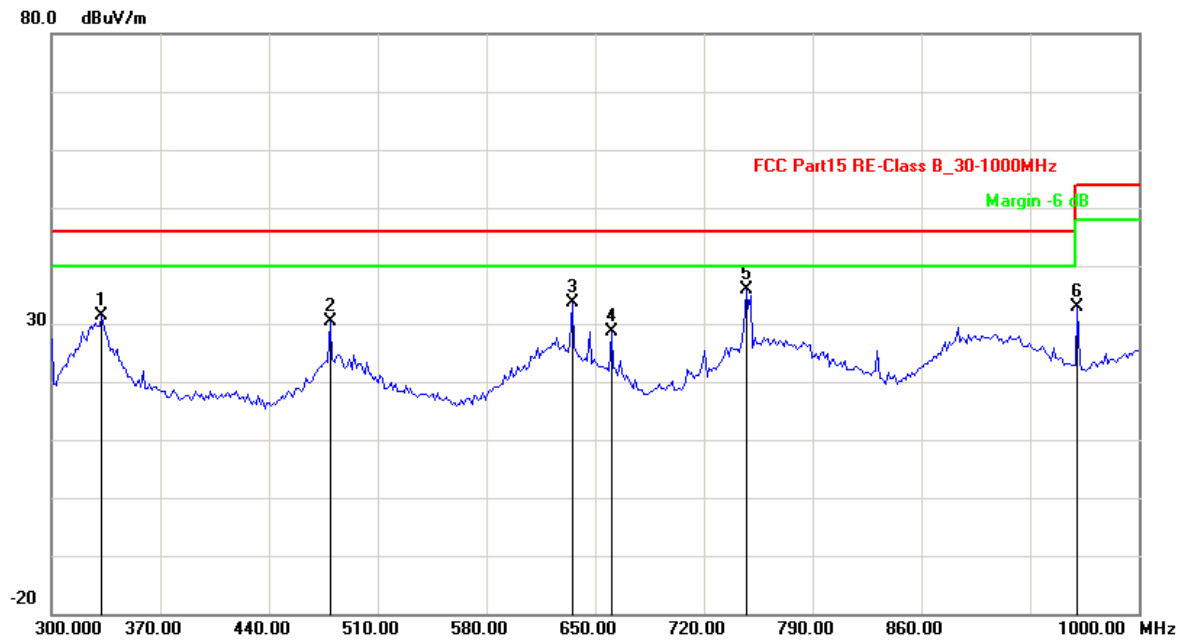
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No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	332.2645	-14.99	46.32	31.33	46.00	-14.67	QP
2	479.5591	-9.77	40.16	30.39	46.00	-15.61	QP
3	635.2705	-7.48	41.05	33.57	46.00	-12.43	QP
4	660.5210	-10.92	39.52	28.60	46.00	-17.40	QP
5	747.4950	-6.54	42.52	35.98	46.00	-10.02	QP
6	960.7214	-9.97	42.83	32.86	54.00	-21.14	QP

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Modulation Standard:	802.11 b	Result:	☒ - passed
Channel:	Low Channel		☐ - not passed
Test point:	Horizontal		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	1595.190	-1.34	58.34	57.00	74.00	-17.00	peak
2	1595.190	-1.34	43.70	42.36	54.00	-11.64	AVG
3	3424.850	7.96	41.70	49.66	74.00	-24.34	peak
4	3424.850	7.96	27.31	35.27	54.00	-18.73	AVG
5	4438.878	10.84	39.70	50.54	74.00	-23.46	peak
6	4438.878	10.84	24.80	35.64	54.00	-18.36	AVG
7	5783.567	14.68	40.04	54.72	74.00	-19.28	peak
8	5783.567	14.68	25.45	40.13	54.00	-13.87	AVG
9	7569.138	18.59	38.59	57.18	74.00	-16.82	peak
10	7569.138	18.59	23.98	42.57	54.00	-11.43	AVG
11	8164.329	19.65	38.91	58.56	74.00	-15.44	peak
12	8164.329	19.65	24.03	43.68	54.00	-10.32	AVG

Modulation Standard:	802.11 b	Result:	☒ - passed
Channel:	Middle Channel		☐ - not passed
Test point:	Horizontal		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	1617.234	-1.33	58.58	57.25	74.00	-16.75	peak
2	1617.234	-1.33	43.68	42.35	54.00	-11.65	AVG
3	3336.673	7.68	41.59	49.27	74.00	-24.73	peak
4	3336.673	7.68	27.18	34.86	54.00	-19.14	AVG
5	4901.804	11.93	38.42	50.35	74.00	-23.65	peak
6	4901.804	11.93	23.35	35.28	54.00	-18.72	AVG
7	5871.743	14.97	41.86	56.83	74.00	-17.17	peak
8	5871.743	14.97	26.77	41.74	54.00	-12.26	AVG
9	7503.006	18.50	37.70	56.20	74.00	-17.80	peak
10	7503.006	18.50	23.08	41.58	54.00	-12.42	AVG
11	8142.284	19.59	38.50	58.09	74.00	-15.91	peak
12	8142.284	19.59	24.10	43.69	54.00	-10.31	AVG

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Modulation Standard:	802.11 b	Result:	☒ - passed
Channel:	High Channel		☐ - not passed
Test point:	Horizontal		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	1264.529	-3.44	52.83	49.39	74.00	-24.61	peak
2	1264.529	-3.44	37.69	34.25	54.00	-19.75	AVG
3	1639.279	-1.32	59.86	58.54	74.00	-15.46	peak
4	1639.279	-1.32	44.53	43.21	54.00	-10.79	AVG
5	5959.920	15.25	40.78	56.03	74.00	-17.97	peak
6	5959.920	15.25	25.80	41.05	54.00	-12.95	AVG
7	7525.050	18.53	38.23	56.76	74.00	-17.24	peak
8	7525.050	18.53	22.75	41.28	54.00	-12.72	AVG
9	8715.431	21.21	39.27	60.48	74.00	-13.52	peak
10	8715.431	21.21	24.10	45.31	54.00	-8.69	AVG
11	9266.533	22.55	37.77	60.32	74.00	-13.68	peak
12	9266.533	22.55	22.67	45.22	54.00	-8.78	AVG

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Modulation Standard:	802.11 g	Result:	☒ - passed
Channel:	Low Channel		☐ - not passed
Test point:	Horizontal		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	1771.543	-1.26	41.89	40.63	74.00	-33.37	peak
2	1771.543	-1.26	26.62	25.36	54.00	-28.64	AVG
3	4174.349	10.22	39.39	49.61	74.00	-24.39	peak
4	4174.349	10.22	23.93	34.15	54.00	-19.85	AVG
5	4967.936	12.08	38.47	50.55	74.00	-23.45	peak
6	4967.936	12.08	23.60	35.68	54.00	-18.32	AVG
7	5496.994	13.76	39.95	53.71	74.00	-20.29	peak
8	5496.994	13.76	24.39	38.15	54.00	-15.85	AVG
9	7172.345	18.04	37.12	55.16	74.00	-18.84	peak
10	7172.345	18.04	22.09	40.13	54.00	-13.87	AVG
11	7767.535	18.87	35.85	54.72	74.00	-19.28	peak
12	7767.535	18.87	21.70	40.57	54.00	-13.43	AVG

Modulation Standard:	802.11 g	Result:	☒ - passed
Channel:	Middle Channel		☐ - not passed
Test point:	Horizontal		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	1573.146	-1.35	40.99	39.64	74.00	-34.36	peak
2	1573.146	-1.35	25.94	24.59	54.00	-29.41	AVG
3	3006.012	6.62	42.32	48.94	74.00	-25.06	peak
4	3006.012	6.62	27.02	33.64	54.00	-20.36	AVG
5	4240.481	10.38	38.16	48.54	74.00	-25.46	peak
6	4240.481	10.38	22.83	33.21	54.00	-20.79	AVG
7	5474.950	13.69	39.29	52.98	74.00	-21.02	peak
8	5474.950	13.69	23.80	37.49	54.00	-16.51	AVG
9	7172.345	18.04	37.20	55.24	74.00	-18.76	peak
10	7172.345	18.04	22.53	40.57	54.00	-13.43	AVG
11	7921.844	19.08	37.41	56.49	74.00	-17.51	peak
12	7921.844	19.08	22.18	41.26	54.00	-12.74	AVG

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Modulation Standard:	802.11 g	Result:	☒ - passed
Channel:	High Channel		☐ - not passed
Test point:	Horizontal		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2675.351	4.76	43.55	48.31	74.00	-25.69	peak
2	2675.351	4.76	28.92	33.68	54.00	-20.32	AVG
3	4174.349	10.22	39.63	49.85	74.00	-24.15	peak
4	4174.349	10.22	24.40	34.62	54.00	-19.38	AVG
5	4857.715	11.83	38.38	50.21	74.00	-23.79	peak
6	4857.715	11.83	23.38	35.21	54.00	-18.79	AVG
7	5474.950	13.69	39.32	53.01	74.00	-20.99	peak
8	5474.950	13.69	24.52	38.21	54.00	-15.79	AVG
9	7194.389	18.07	38.77	56.84	74.00	-17.16	peak
10	7194.389	18.07	22.11	40.18	54.00	-13.82	AVG
11	7823.350	18.94	36.21	55.15	74.00	-18.85	peak
12	7828.350	18.95	21.36	40.31	54.00	-13.69	AVG

Modulation Standard:	802.11 n(20)	Result:	☒ - passed
Channel:	Low Channel		☐ - not passed
Test point:	Horizontal		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2168.337	0.51	41.75	42.26	74.00	-31.74	peak
2	2168.337	0.51	27.08	27.59	54.00	-26.41	AVG
3	3821.643	9.24	40.39	49.63	74.00	-24.37	peak
4	3821.643	9.24	25.33	34.57	54.00	-19.43	AVG
5	4571.142	11.15	37.65	48.80	74.00	-25.20	peak
6	4571.142	11.15	22.11	33.26	54.00	-20.74	AVG
7	5541.082	13.90	38.21	52.11	74.00	-21.89	peak
8	5541.082	13.90	23.94	37.84	54.00	-16.16	AVG
9	7613.226	18.65	37.83	56.48	74.00	-17.52	peak
10	7613.226	18.65	22.64	41.29	54.00	-12.71	AVG
11	8186.373	19.72	38.45	58.17	74.00	-15.83	peak
12	8186.373	19.72	23.96	43.68	54.00	-10.32	AVG

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Modulation Standard:	802.11 n(20)	Result:	☒ - passed
Channel:	Middle Channel		☐ - not passed
Test point:	Horizontal		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2873.747	5.89	41.78	47.67	74.00	-26.33	peak
2	2873.747	5.89	26.73	32.62	54.00	-21.38	AVG
3	3777.555	9.10	38.87	47.97	74.00	-26.03	peak
4	3777.555	9.10	23.06	32.16	54.00	-21.84	AVG
5	4813.627	11.72	37.53	49.25	74.00	-24.75	peak
6	4813.627	11.72	22.39	34.11	54.00	-19.89	AVG
7	5629.259	14.19	37.75	51.94	74.00	-22.06	peak
8	5629.259	14.19	20.99	35.18	54.00	-18.82	AVG
9	7547.094	18.56	37.47	56.03	74.00	-17.97	peak
10	7547.094	18.56	22.98	41.54	54.00	-12.46	AVG
11	8054.108	19.34	37.02	56.36	74.00	-17.64	peak
12	8054.108	19.34	22.35	41.69	54.00	-12.31	AVG

Modulation Standard:	802.11 n(20)	Result:	☒ - passed
Channel:	High Channel		☐ - not passed
Test point:	Horizontal		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2609.218	4.39	42.77	47.16	74.00	-26.84	peak
2	2609.218	4.39	28.25	32.64	54.00	-21.36	AVG
3	3336.673	7.68	41.27	48.95	74.00	-25.05	peak
4	3336.673	7.68	25.46	33.14	54.00	-20.86	AVG
5	4416.834	10.79	38.44	49.23	74.00	-24.77	peak
6	4416.834	10.79	23.78	34.57	54.00	-19.43	AVG
7	5430.862	13.55	37.84	51.39	74.00	-22.61	peak
8	5430.862	13.55	23.32	36.87	54.00	-17.13	AVG
9	7569.138	18.59	38.30	56.89	74.00	-17.11	peak
10	7569.138	18.59	22.64	41.23	54.00	-12.77	AVG
11	8561.122	20.77	37.65	58.42	74.00	-15.58	peak
12	8561.122	20.77	22.98	43.75	54.00	-10.25	AVG

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Modulation Standard:	802.11 n(40)	Result:	☒ - passed
Channel:	Low Channel		☐ - not passed
Test point:	Horizontal		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2939.880	6.26	42.75	49.01	74.00	-24.99	peak
2	2939.880	6.26	27.99	34.25	54.00	-19.75	AVG
3	3424.850	7.96	41.41	49.37	74.00	-24.63	peak
4	3424.850	7.96	26.60	34.56	54.00	-19.44	AVG
5	4482.966	10.94	38.69	49.63	74.00	-24.37	peak
6	4482.966	10.94	23.82	34.76	54.00	-19.24	AVG
7	5386.774	13.41	38.36	51.77	74.00	-22.23	peak
8	5386.774	13.41	22.80	36.21	54.00	-17.79	AVG
9	7503.006	18.50	37.53	56.03	74.00	-17.97	peak
10	7503.006	18.50	22.76	41.26	54.00	-12.74	AVG
11	7965.932	19.14	37.86	57.00	74.00	-17.00	peak
12	7965.932	19.14	24.15	43.29	54.00	-10.71	AVG

Modulation Standard:	802.11 n(40)	Result:	☒ - passed
Channel:	Middle Channel		☐ - not passed
Test point:	Horizontal		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2873.747	5.89	43.09	48.98	74.00	-25.02	peak
2	2873.747	5.89	27.37	33.26	54.00	-20.74	AVG
3	3513.026	8.25	40.94	49.19	74.00	-24.81	peak
4	3513.026	8.25	26.26	34.51	54.00	-19.49	AVG
5	4284.569	10.48	38.25	48.73	74.00	-25.27	peak
6	4284.569	10.48	23.16	33.64	54.00	-20.36	AVG
7	5232.465	12.91	38.05	50.96	74.00	-23.04	peak
8	5232.465	12.91	22.37	35.28	54.00	-18.72	AVG
9	7392.786	18.35	37.28	55.63	74.00	-18.37	peak
10	7392.786	18.35	21.81	40.16	54.00	-13.84	AVG
11	7943.888	19.11	37.29	56.40	74.00	-17.60	peak
12	7943.888	19.11	22.17	41.28	54.00	-12.72	AVG

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Modulation Standard:	802.11 n(40)	Result:	☒ - passed
Channel:	High Channel		☐ - not passed
Test point:	Horizontal		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	3314.629	7.61	42.02	49.63	74.00	-24.37	peak
2	3314.629	7.61	26.55	34.16	54.00	-19.84	AVG
3	4549.098	11.10	37.79	48.89	74.00	-25.11	peak
4	4549.098	11.10	22.15	33.25	54.00	-20.75	AVG
5	5541.082	13.90	39.72	53.62	74.00	-20.38	peak
6	5541.082	13.90	24.84	38.74	54.00	-15.26	AVG
7	7172.345	18.04	37.30	55.34	74.00	-18.66	peak
8	7172.345	18.04	22.08	40.12	54.00	-13.88	AVG
9	7877.756	19.02	36.78	55.80	74.00	-18.20	peak
10	7877.756	19.02	21.85	40.87	54.00	-13.13	AVG
11	8340.681	20.15	37.53	57.68	74.00	-16.32	peak
12	8340.681	20.15	22.23	42.38	54.00	-11.62	AVG

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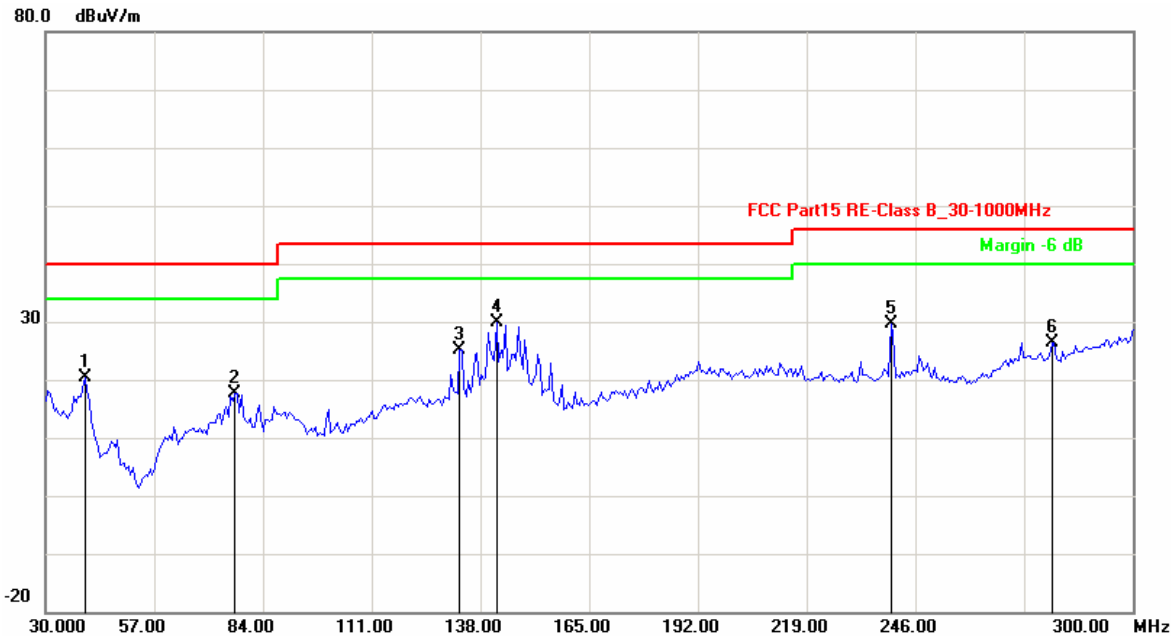
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Channel:	TX -X Position	Result:	☒ - passed
Test point:	Vertical		☐ - not passed
Frequency range:	30MHz-1GHz		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	39.7395	-25.86	46.12	20.26	40.00	-19.74	QP
2	77.0741	-21.43	39.14	17.71	40.00	-22.29	QP
3	132.8056	-16.87	42.01	25.14	43.50	-18.36	QP
4	142.0040	-16.57	46.48	29.91	43.50	-13.59	QP
5	239.9399	-13.13	42.84	29.71	46.00	-16.29	QP
6	279.9800	-9.35	35.76	26.41	46.00	-19.59	QP

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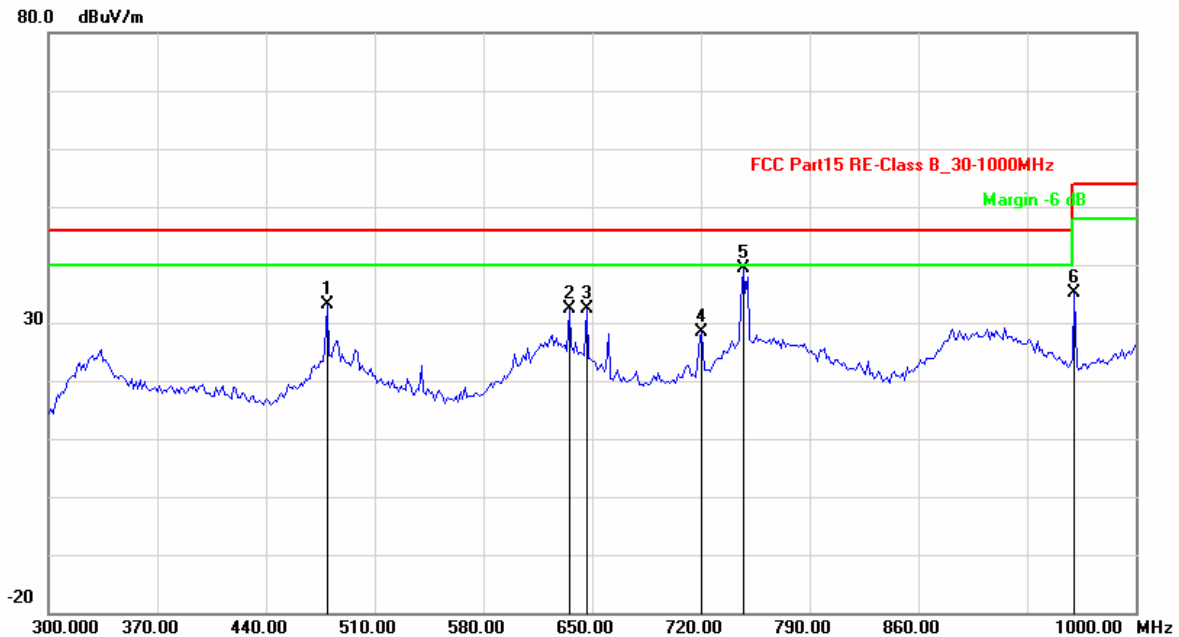
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No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	479.5591	-9.77	42.82	33.05	46.00	-12.95	QP
2	635.2705	-7.48	39.87	32.39	46.00	-13.61	QP
3	646.4930	-8.66	41.04	32.38	46.00	-13.62	QP
4	720.8417	-10.94	39.21	28.27	46.00	-17.73	QP
5	747.4950	-6.54	46.03	39.49	46.00	-6.51	QP
6	960.7214	-9.97	45.20	35.23	54.00	-18.77	QP

Modulation Standard:	802.11 b	Result:	☒ - passed
Channel:	Low Channel		☐ - not passed
Test point:	Vertical		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	1595.190	-1.34	63.73	62.39	74.00	-11.61	peak
2	1595.190	-1.34	46.69	45.35	54.00	-8.65	AVG
3	3292.585	7.54	42.18	49.72	74.00	-24.28	peak
4	3292.585	7.54	26.72	34.26	54.00	-19.74	AVG
5	4813.627	11.72	45.76	57.48	74.00	-16.52	peak
6	4813.627	11.72	30.41	42.13	54.00	-11.87	AVG
7	5849.699	14.90	40.48	55.38	74.00	-18.62	peak
8	5849.699	14.90	25.26	40.16	54.00	-13.84	AVG
9	7547.094	18.56	37.82	56.38	74.00	-17.62	peak
10	7547.094	18.56	22.72	41.28	54.00	-12.72	AVG
11	8120.240	19.53	39.98	59.51	74.00	-14.49	peak
12	8120.240	19.53	26.16	45.69	54.00	-8.31	AVG

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Modulation Standard:	802.11 b	Result:	☒ - passed
Channel:	Middle Channel		☐ - not passed
Test point:	Vertical		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	1617.235	-1.33	56.83	55.50	74.00	-18.50	peak
2	1617.235	-1.33	41.49	40.16	54.00	-13.84	AVG
3	3689.379	8.81	40.49	49.30	74.00	-24.70	peak
4	3689.379	8.81	25.47	34.28	54.00	-19.72	AVG
5	5386.774	13.41	38.72	52.13	74.00	-21.87	peak
6	5386.774	13.41	24.43	37.84	54.00	-16.16	AVG
7	6400.802	16.35	40.34	56.69	74.00	-17.31	peak
8	6400.802	16.35	24.91	41.26	54.00	-12.74	AVG
9	7547.094	18.56	38.94	57.50	74.00	-16.50	peak
10	7547.094	18.56	24.00	42.56	54.00	-11.44	AVG
11	8164.329	19.65	38.61	58.26	74.00	-15.74	peak
12	8164.329	19.65	23.96	43.61	54.00	-10.39	AVG

Modulation Standard:	802.11 b	Result:	☒ - passed
Channel:	High Channel		☐ - not passed
Test point:	Vertical		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	1639.279	-1.32	63.31	61.99	74.00	-12.01	peak
2	1639.279	-1.32	46.54	45.22	54.00	-8.78	AVG
3	3248.497	7.40	42.17	49.57	74.00	-24.43	peak
4	3248.497	7.40	27.88	35.28	54.00	-18.72	AVG
5	4923.848	11.98	44.03	56.01	74.00	-17.99	peak
6	4923.848	11.98	29.59	41.57	54.00	-12.43	AVG
7	6444.890	16.46	42.19	58.65	74.00	-15.35	peak
8	6444.890	16.46	27.16	43.62	54.00	-10.38	AVG
9	7525.050	18.53	38.06	56.59	74.00	-17.41	peak
10	7525.050	18.53	22.54	41.07	54.00	-12.93	AVG
11	8142.285	19.59	39.75	59.34	74.00	-14.66	peak
12	8142.285	19.59	24.67	44.26	54.00	-9.74	AVG

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Modulation Standard:	802.11 g	Result:	☒ - passed
Channel:	Low Channel		☐ - not passed
Test point:	Vertical		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2366.733	2.46	40.32	42.78	74.00	-31.22	peak
2	2366.733	2.46	25.23	27.69	54.00	-26.31	AVG
3	2851.703	5.76	42.93	48.69	74.00	-25.31	peak
4	2851.703	5.76	27.36	33.12	54.00	-20.88	AVG
5	4879.760	11.88	35.79	47.67	74.00	-26.33	peak
6	4879.760	11.88	20.38	32.26	54.00	-21.74	AVG
7	5871.744	14.97	38.42	53.39	74.00	-20.61	peak
8	5871.744	14.97	23.77	38.74	54.00	-15.26	AVG
9	7547.094	18.56	37.06	55.62	74.00	-18.38	peak
10	7547.094	18.56	21.56	40.12	54.00	-13.88	AVG
11	8649.299	21.02	36.23	57.25	74.00	-16.75	peak
12	8649.299	21.02	21.37	42.39	54.00	-11.61	AVG

Modulation Standard:	802.11 g	Result:	☒ - passed
Channel:	Middle Channel		☐ - not passed
Test point:	Vertical		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2322.645	2.02	42.84	44.86	74.00	-29.14	peak
2	2322.645	2.02	28.24	30.26	54.00	-23.74	AVG
3	3667.335	8.74	40.49	49.23	74.00	-24.77	peak
4	3667.335	8.74	25.71	34.45	54.00	-19.55	AVG
5	4835.671	11.77	37.56	49.33	74.00	-24.67	peak
6	4835.671	11.77	22.49	34.26	54.00	-19.74	AVG
7	5585.170	14.04	39.53	53.57	74.00	-20.43	peak
8	5585.170	14.04	24.71	38.75	54.00	-15.25	AVG
9	6114.228	15.66	40.43	56.09	74.00	-17.91	peak
10	6114.228	15.66	24.52	40.18	54.00	-13.82	AVG
11	7723.447	18.81	36.90	55.71	74.00	-18.29	peak
12	7723.447	18.81	21.41	40.22	54.00	-13.78	AVG

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Modulation Standard:	802.11 g	Result:	☒ - passed
Channel:	High Channel		☐ - not passed
Test point:	Vertical		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2895.792	6.01	40.09	46.10	74.00	-27.90	peak
2	2895.792	6.01	25.25	31.26	54.00	-22.74	AVG
3	4174.349	10.22	35.07	45.29	74.00	-28.71	peak
4	4174.349	10.22	19.99	30.21	54.00	-23.79	AVG
5	4615.230	11.26	33.92	45.18	74.00	-28.82	peak
6	4615.230	11.26	18.90	30.16	54.00	-23.84	AVG
7	5342.685	13.26	37.05	50.31	74.00	-23.69	peak
8	5342.685	13.26	22.15	35.41	54.00	-18.59	AVG
9	6290.581	16.08	38.26	54.34	74.00	-19.66	peak
10	6290.581	16.08	23.80	39.88	54.00	-14.12	AVG
11	7723.447	18.81	34.50	53.31	74.00	-20.69	peak
12	7723.447	18.81	19.32	38.13	54.00	-15.87	AVG

Modulation Standard:	802.11 n(20)	Result:	☒ - passed
Channel:	Low Channel		☐ - not passed
Test point:	Vertical		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	3601.202	8.53	41.01	49.54	74.00	-24.46	peak
2	3601.202	8.53	25.73	34.26	54.00	-19.74	AVG
3	4747.495	11.57	38.62	50.19	74.00	-23.81	peak
4	4747.495	11.57	24.05	35.62	54.00	-18.38	AVG
5	5695.391	14.40	39.21	53.61	74.00	-20.39	peak
6	5695.391	14.40	24.25	38.65	54.00	-15.35	AVG
7	7216.433	18.10	37.38	55.48	74.00	-18.52	peak
8	7216.433	18.10	22.03	40.13	54.00	-13.87	AVG
9	7723.447	18.81	37.90	56.71	74.00	-17.29	peak
10	7723.447	18.81	22.77	41.58	54.00	-12.42	AVG
11	8142.285	19.59	38.69	58.28	74.00	-15.72	peak
12	8142.285	19.59	24.08	43.67	54.00	-10.33	AVG

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Modulation Standard:	802.11 n(20)	Result:	☒ - passed
Channel:	Middle Channel		☐ - not passed
Test point:	Vertical		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2851.703	5.76	42.19	47.95	74.00	-26.05	peak
2	2851.703	5.76	26.87	32.63	54.00	-21.37	AVG
3	3358.717	7.75	42.08	49.83	74.00	-24.17	peak
4	3358.717	7.75	26.40	34.15	54.00	-19.85	AVG
5	4306.613	10.53	38.37	48.90	74.00	-25.10	peak
6	4306.613	10.53	23.09	33.62	54.00	-20.38	AVG
7	5034.068	12.27	38.00	50.27	74.00	-23.73	peak
8	5034.068	12.27	23.62	35.89	54.00	-18.11	AVG
9	7326.653	18.25	37.46	55.71	74.00	-18.29	peak
10	7326.653	18.25	21.88	40.13	54.00	-13.87	AVG
11	7547.094	18.56	37.78	56.34	74.00	-17.66	peak
12	7547.094	18.56	23.01	41.57	54.00	-12.43	AVG

Modulation Standard:	802.11 n(20)	Result:	☒ - passed
Channel:	High Channel		☐ - not passed
Test point:	Vertical		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2543.086	4.01	42.18	46.19	74.00	-27.81	peak
2	2543.086	4.01	27.57	31.58	54.00	-22.42	AVG
3	3292.585	7.54	41.39	48.93	74.00	-25.07	peak
4	3292.585	7.54	26.15	33.69	54.00	-20.31	AVG
5	4989.980	12.14	37.58	49.72	74.00	-24.28	peak
6	4989.980	12.14	22.36	34.50	54.00	-19.50	AVG
7	5651.303	14.26	39.24	53.50	74.00	-20.50	peak
8	5651.303	14.26	24.28	38.54	54.00	-15.46	AVG
9	7458.918	18.44	38.18	56.62	74.00	-17.38	peak
10	7458.918	18.44	22.82	41.26	54.00	-12.74	AVG
11	8120.240	19.53	38.52	58.05	74.00	-15.95	peak
12	8120.240	19.53	24.14	43.67	54.00	-10.33	AVG

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Modulation Standard:	802.11 n(40)	Result:	☒ - passed
Channel:	Low Channel		☐ - not passed
Test point:	Vertical		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	3424.850	7.96	42.83	50.79	74.00	-23.21	peak
2	3424.850	7.96	27.25	35.21	54.00	-18.79	AVG
3	4152.305	10.17	38.94	49.11	74.00	-24.89	peak
4	4152.305	10.17	23.99	34.16	54.00	-19.84	AVG
5	4967.936	12.08	38.09	50.17	74.00	-23.83	peak
6	4967.936	12.08	23.16	35.24	54.00	-18.76	AVG
7	5937.876	15.18	40.54	55.72	74.00	-18.28	peak
8	5937.876	15.18	24.98	40.16	54.00	-13.84	AVG
9	7326.653	18.25	37.23	55.48	74.00	-18.52	peak
10	7326.653	18.25	21.94	40.19	54.00	-13.81	AVG
11	7833.667	18.96	36.71	55.67	74.00	-18.33	peak
12	7833.667	18.96	22.31	41.27	54.00	-12.73	AVG

Modulation Standard:	802.11 n(40)	Result:	☒ - passed
Channel:	Middle Channel		☐ - not passed
Test point:	Vertical		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2565.130	4.14	42.94	47.08	74.00	-26.92	peak
2	2565.130	4.14	28.09	32.23	54.00	-21.77	AVG
3	3072.144	6.83	42.38	49.21	74.00	-24.79	peak
4	3072.144	6.83	27.82	34.65	54.00	-19.35	AVG
5	3909.820	9.52	39.71	49.23	74.00	-24.77	peak
6	3909.820	9.52	24.76	34.28	54.00	-19.72	AVG
7	5034.068	12.27	37.88	50.15	74.00	-23.85	peak
8	5034.068	12.27	22.92	35.19	54.00	-18.81	AVG
9	5717.435	14.47	38.95	53.42	74.00	-20.58	peak
10	5717.435	14.47	23.94	38.41	54.00	-15.59	AVG
11	7348.697	18.28	37.70	55.98	74.00	-18.02	peak
12	7348.697	18.28	21.90	40.18	54.00	-13.82	AVG

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Modulation Standard:	802.11 n(40)	Result:	☒ - passed
Channel:	High Channel		☐ - not passed
Test point:	Vertical		
Frequency range:	1GHz-26.5GHz		

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2432.866	3.11	41.85	44.96	74.00	-29.04	peak
2	2432.866	3.11	27.10	30.21	54.00	-23.79	AVG
3	3182.365	7.19	41.81	49.00	74.00	-25.00	peak
4	3182.365	7.19	26.97	34.16	54.00	-19.84	AVG
5	4042.084	9.91	38.97	48.88	74.00	-25.12	peak
6	4042.084	9.91	23.94	33.85	54.00	-20.15	AVG
7	4659.319	11.36	37.45	48.81	74.00	-25.19	peak
8	4659.319	11.36	22.61	33.97	54.00	-20.03	AVG
9	5695.391	14.40	38.81	53.21	74.00	-20.79	peak
10	5695.391	14.40	23.76	38.16	54.00	-15.84	AVG
11	7679.359	18.74	37.31	56.05	74.00	-17.95	peak
12	7679.359	18.74	22.53	41.27	54.00	-12.73	AVG

Remark: Other frequency mini margin all >10 dB of Limit

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12.0 Antenna Requirements

12.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

12.2 Antenna Construction and Directional Gain

Antenna :

Antenna type: PCB Antenna

Antenna Gain: 0 dBi

13.0 Deviation to test specifications

The following identical model(s):

N/A

Belong to the tested device:

Product description: **LiIEyes Baby Monitor**

Model name: **LE528H**

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