



**FCC PART 15C  
TEST REPORT  
No. 2013WLN0691**

**for**

**TCT Mobile Limited**

**HSUPA/HSDPA/UMTS dualband / GSM quadband mobile phone**

**Model name: Telsa A**

**Marketing Name: ONE TOUCH 6010A**

**With**

**FCC ID: RAD325**

**Hardware Version: PIO03**

**Software Version: vFAG-1-US**

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**Note:**The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of TMC Beijing.

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## 1. TEST LABORATORY

### 1.1. Testing Location

Company Name: TMC Beijing, Telecommunication Metrology Center of MIIT  
Address: No. 52, Huayuan Bei Road, Haidian District, Beijing, P. R. China  
Postal Code: 100191  
Telephone: 008610623046332046  
Fax: 008610623046332063

### 1.2. Project Data

Testing Start Date: 2013-05-10  
Testing End Date: 2013-05-24

### 1.3. Signature



---

**Xu Zhongfei**  
**(Prepared this test report)**



---

**Gao Hong**  
**(Reviewed this test report)**



---

**Xiao Li**  
**Deputy Director of the laboratory**  
**(Approved this test report)**

## **2. CLIENT INFORMATION**

### **2.1. Applicant Information**

Company Name: TCT Mobile Limited  
Address /Post: 5F, C building, No. 232, Liang Jing Road ZhangJiang High-Tech Park,  
Pudong Area Shanghai, P.R. China. 201203  
Contact Gong Zhizhou  
Email zhizhou.gong@jrdcom.com  
Telephone: 0086-21-61460890  
Fax: 0086-21-61460602

### **2.2. Manufacturer Information**

Company Name: TCT Mobile Limited  
Address /Post: 5F, C building, No. 232, Liang Jing Road ZhangJiang High-Tech Park,  
Pudong Area Shanghai, P.R. China. 201203  
Contact Gong Zhizhou  
Email zhizhou.gong@jrdcom.com  
Telephone: 0086-21-61460890  
Fax: 0086-21-61460602

### **3. EQUIPMENT UNDER TEST(EUT) AND ANCILLARY**

#### **EQUIPMENT(AE)**

##### **3.1. About EUT**

Description	HSUPA/HSDPA/UMTS dualband / GSM quadband mobile phone
Model name	Telsa A
Marketing name	ONE TOUCH 6010A
FCC ID	RAD325
IC	/
With WLAN Function	Yes
Frequency Range	ISM 2400MHz~2483.5MHz
Type of Modulation	DSSS/CCK/OFDM
Number of Channels	11
Antenna	Integral Antenna
MAX Conducted Power	24.53dBm(OFDM)
GPRS Class	Class 12
GPRS operation mode	Class B
Power Supply	3.7V DC by Battery

##### **3.2. Internal Identification of EUT Used During the Test**

<b>EUT ID*</b>	<b>IMEI</b>	<b>HW Version</b>	<b>SW Version</b>
EUT1	013486000100350	PIO03	vFAG-1-US
EUT2	013486000100525	PIO03	vFAG-1-US

\*EUT ID: is used to identify the test sample in the lab internally.

##### **3.3. Internal Identification of AE Used During the Test**

<b>AE ID*</b>	<b>Description</b>	<b>Type</b>	<b>SN</b>
AE1	Battery	CAB32A0000C1	/
AE2	Charger	CBA0003AG0C1	/

\*AE ID: is used to identify the test sample in the lab internally.

##### **3.4. General Description**

Equipment Under Test (EUT) is a model of HSUPA/HSDPA/UMTS dualband / GSM quadband mobile phone with integrated antenna. It consists of normal options: Battery and Charger.

Manual and specifications of the EUT were provided to fulfil the test.

Samples undergoing test were selected by the Client.

Normal Accessory setting:

1. A microSD card was being installed in the device during the test;
2. Fully charged battery should be used during the test.

## 4. Reference Documents

### 4.1. Documents supplied by applicant

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

### 4.2. REFERENCE DOCUMENTS FOR TESTING

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part15	FCC CFR 47, Part 15, Subpart C: 15.205 Restricted bands of operation; 15.209 Radiated emission limits, general requirements; 15.247 Operation within the bands 902-928MHz, 2400-2483.5 MHz, and 5725-5850 MHz.	Oct, 2012
ANSI C63.4	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2009
KDB558074	Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247	2012

## 5. LABORATORY ENVIRONMENT

Conducted RF performance testing is performed in shielding room.

EMC performance testing is performed in Fully-anechoic chamber.

## 6. SUMMARY OF TEST RESULTS

### 6.1. Summary of Test Results

SUMMARY OF MEASUREMENT RESULTS	Sub-clause of Part15C	Sub-clause of IC	Verdict
Maximum Peak Output Power	15.247 (a)	/	P
Peak Power Spectral Density	15.247 (d)	/	P
Occupied 6dB Bandwidth	15.247 (d)	/	P
Band Edges Compliance	15.247 (b)	/	P
Transmitter Spurious Emission - Conducted	15.247	/	P
Transmitter Spurious Emission - Radiated	15.247, 15.205, 15.209	/	P
AC Powerline Conducted Emission	15.107, 15.207	/	P

Please refer to **ANNEX A** for detail.

Terms used in Verdict column

P	Pass, The EUT complies with the essential requirements in the standard.
NP	Not Perform, The test was not performed by TMC
NA	Not Applicable, The test was not applicable
F	Fail, The EUT does not comply with the essential requirements in the standard

## 6.2. Statements

TMC has evaluated the test cases requested by the client/manufacturer as listed in section 6.1 of this report for the EUT specified in section 3 according to the standards or reference documents listed in section 4.1.

This report only deals with the WLAN function among the features described in section 3.

## 6.3. Test Conditions

For this report, all the test cases are tested under normal temperature and normal voltage, and also under norm humidity, the specific condition is shown as follows:

Temperature	26°C
Voltage	3.7V (By battery)
Humidity	44%

## 7. TEST EQUIPMENTS UTILIZED

### Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date
1	Vector Signal Analyzer	FSQ40	200089	Rohde & Schwarz	2013-07-19
2	Test Receiver	ESS	847151/015	Rohde & Schwarz	2013-10-30
3	LISN	ESH2-Z5	829991/012	Rohde & Schwarz	2013-08-12
4	Shielding Room	S81	/	ETS•LingGern	/

### Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date
1	Test Receiver	ESI40	831564/002	Rohde & Schwarz	2013-08-11
2	BiLog Antenna	3142B	9908-1403	EMCO	2014-03-15
3	Dual-Ridge Waveguide Horn Antenna	3115	9906-5827	EMCO	2014-12-25
4	Dual-Ridge Waveguide Horn Antenna	3116	2661	EMCO	2013-06-30
5	Semi-anechoic chamber	/	CT000332-1074	Frankonia German	/

## ANNEX A: MEASUREMENT RESULTS

### A.1. Measurement Method

#### A.1.1. Conducted Measurements

Connect the EUT to the test system as Fig.A.1.1.1 shows.

Set the EUT to the required work mode.

Set the EUT to the required channel.

Set the Vector Signal Analyzer and start measurement.

Record the values. Vector Signal Analyzer

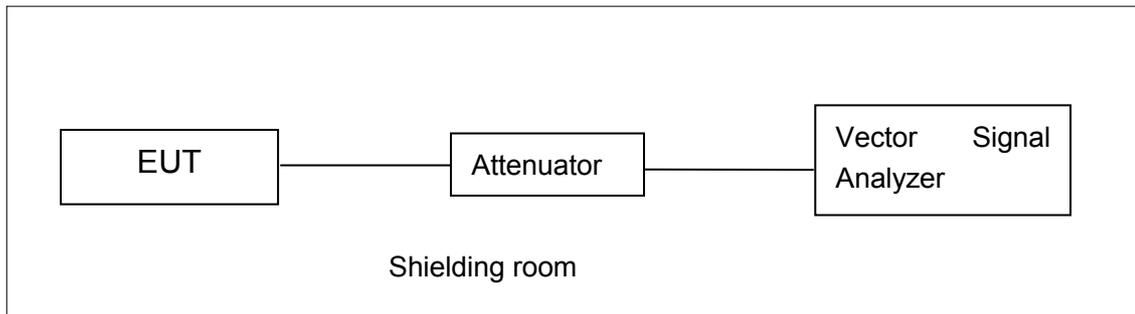


Fig.A.1.1.1: Test Setup Diagram for Conducted Measurements

#### A.1.2. Radiated Emission Measurements

In the case of radiated emission, the used settings are as follows,

Sweep frequency from 30 MHz to 1GHz, RBW = 100 kHz, VBW = 300 kHz;

Sweep frequency from 1 GHz to 26GHz, RBW = 1MHz, VBW = 10Hz;

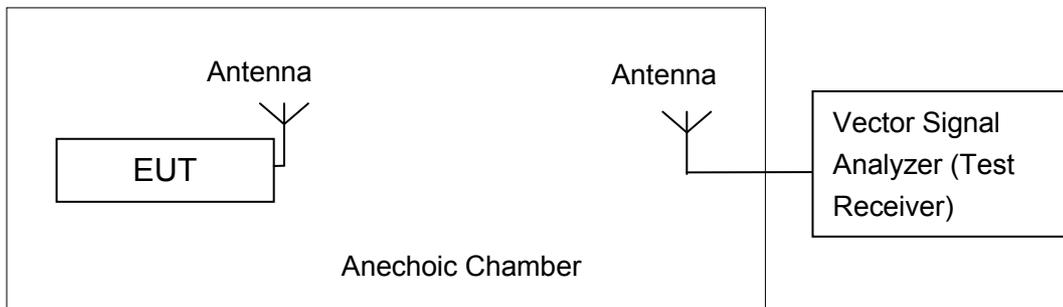


Fig.A.1.2.1: Test Setup Diagram for Conducted Measurements

## A.2. Maximum Output Power

### Measurement Limit and Method:

Standard	Limit (dBm)
FCC CRF Part 15.247(b)	< 30

The measurement is made according to KDB558074.

EUT ID: EUT2

### A.2.1. Maximum Peak Output Power-conducted

#### Measurement Results:

#### 802.11b/g mode

Mode	Data Rate (Mbps)	Test Result (dBm)		
		2412MHz (Ch1)	2437MHz (Ch6)	2462 MHz (Ch11)
802.11b	1	20.17	/	/
	2	20.29	/	/
	5.5	21.61	/	/
	11	23.18	24.03	24.42
802.11g	6	23.31	/	/
	9	23.12	/	/
	12	22.77	/	/
	18	22.75	/	/
	24	23.23	/	/
	36	23.25	/	/
	48	23.38	24.33	24.53
	54	23.34	/	/

The data rate 11Mbps and 48Mbps are selected as worse condition, and the following cases are performed with this condition.

#### 802.11n-HT20 mode

Mode	Data Rate (Index)	Test Result (dBm)		
		2412MHz (Ch1)	2437MHz (Ch6)	2462 MHz (Ch11)
802.11n (20MHz)	MCS0	20.28	/	/
	MCS1	20.10	/	/
	MCS2	20.09	/	/
	MCS3	20.52	/	/
	MCS4	20.55	/	/
	MCS5	20.62	21.54	21.85
	MCS6	20.59	/	/
	MCS7	20.42	/	/

The data rate MCS5 is selected as worse condition, and the following cases are performed with this condition.

**802.11n-HT40 mode**

Mode	Data Rate (Index)	Test Result (dBm)		
		2422MHz (Ch3)	2437MHz (Ch6)	2452 MHz (Ch9)
802.11n (40MHz)	MCS0	20.45	/	/
	MCS1	20.07	/	/
	MCS2	20.04	/	/
	MCS3	20.47	20.93	21.55
	MCS4	20.45	/	/
	MCS5	20.40	/	/
	MCS6	20.38	/	/
	MCS7	20.41	/	/

The data rate MCS3 is selected as worse condition, and the following cases are performed with this condition.

**Conclusion:Pass**

**A.2.2. Maximum Average Output Power-conducted**

**802.11b/g mode**

Mode	Test Result (dBm)		
	2412MHz (Ch1)	2437MHz (Ch6)	2462 MHz (Ch11)
802.11b	16.86	17.64	18.04
802.11g	14.86	15.79	16.07

**802.11n-HT20 mode**

Mode	Test Result (dBm)		
	2412MHz (Ch1)	2437MHz (Ch6)	2462 MHz (Ch11)
802.11n (20MHz)	11.93	12.94	13.23

**802.11n-HT40 mode**

Mode	Test Result (dBm)		
	2422MHz (Ch3)	2437MHz (Ch6)	2452 MHz (Ch9)
802.11n (40MHz)	11.53	12.14	12.61

**Conclusion: Pass**

**Measurement Uncertainty:**

Measurement Uncertainty	0.75dB
-------------------------	--------

### A.3. Peak Power Spectral Density

**Measurement Limit:**

Standard	Limit
FCC CRF Part 15.247(d)	< 8 dBm/3 kHz

The measurement is made according to KDB558074.

**Modulation type and data rate tested:**

802.11b	802.11g	802.11n-HT20	802.11n-HT40
11Mbps(CCK)	48Mbps(OFDM)	MCS5(OFDM)	MCS3(OFDM)

**Measurement Results:**

**802.11b/g mode**

Mode	Channel	Power Spectral Density ( dBm/3 kHz )		Conclusion
		Fig.	Value	
802.11b	1	Fig.A.3.1	-7.19	P
	6	Fig.A.3.2	-6.38	P
	11	Fig.A.3.3	-6.29	P
802.11g	1	Fig.A.3.4	-8.93	P
	6	Fig.A.3.5	-9.24	P
	11	Fig.A.3.6	-9.43	P

**802.11n-HT20 mode**

Mode	Channel	Power Spectral Density ( dBm/3 kHz )		Conclusion
		Fig.	Value	
802.11n (20MHz)	1	Fig.A.3.7	-10.35	P
	6	Fig.A.3.8	-8.28	P
	11	Fig.A.3.9	-9.28	P

**802.11n-HT40 mode**

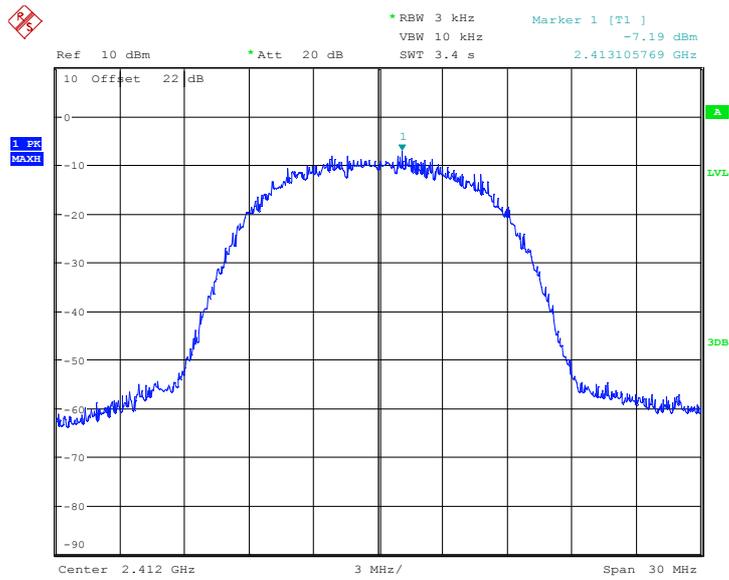
Mode	Channel	Power Spectral Density ( dBm/3 kHz )		Conclusion
		Fig.	Value	
802.11n (40MHz)	3	Fig.A.3.10	-14.22	P
	6	Fig.A.3.11	-13.38	P
	9	Fig.A.3.12	-12.49	P

**Conclusion:Pass**

**Measurement Uncertainty:**

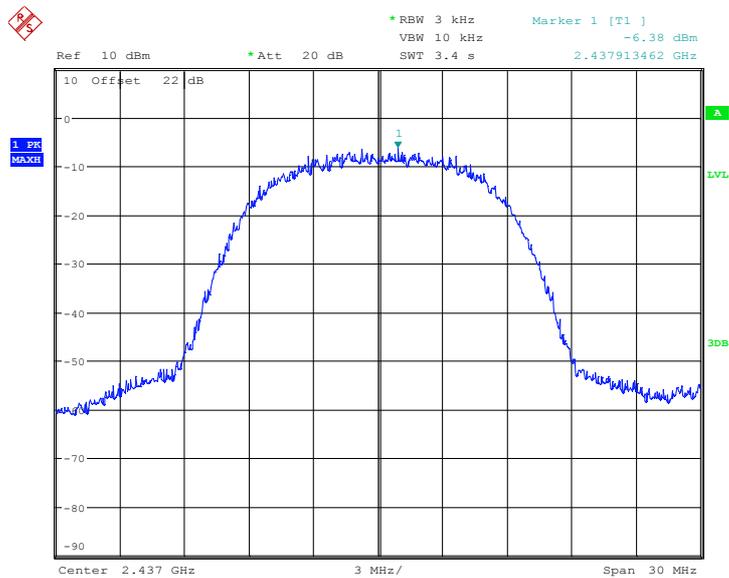
Measurement Uncertainty	0.75dB
-------------------------	--------

**Test graphs as below:**



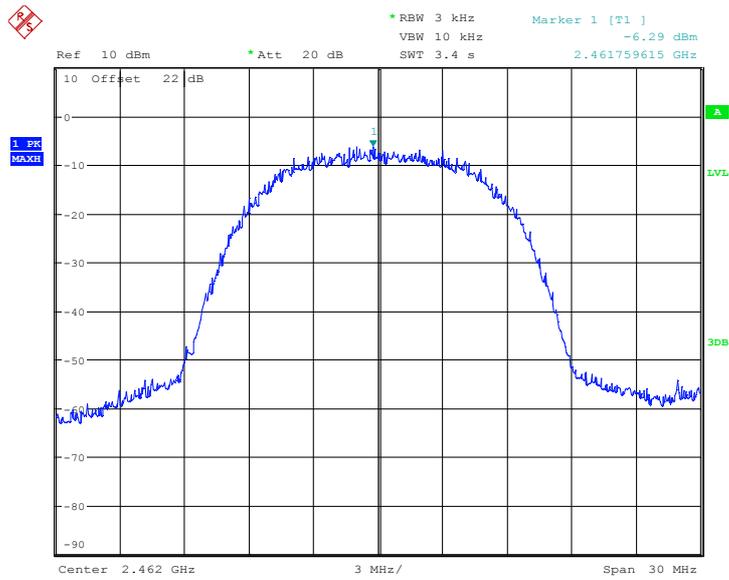
Date: 9.JUN.2013 16:04:45

**Fig.A.3.1 Power Spectral Density (802.11b, Ch 1)**



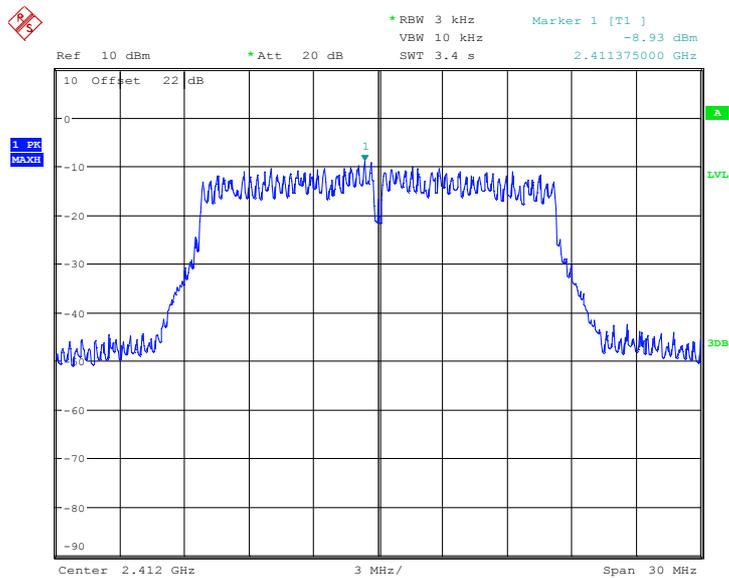
Date: 9.JUN.2013 16:03:03

**Fig.A.3.2 Power Spectral Density (802.11b, Ch 6)**



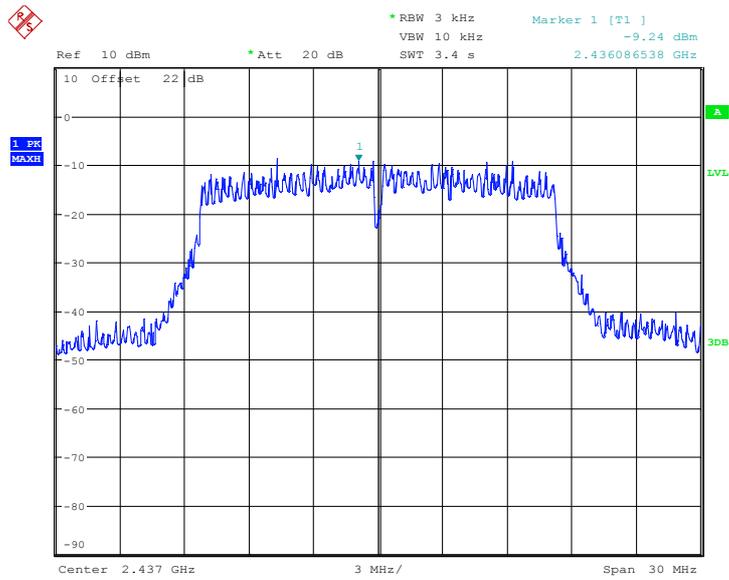
Date: 9.JUN.2013 15:51:24

**Fig.A.3.3 Power Spectral Density (802.11b, Ch 11)**



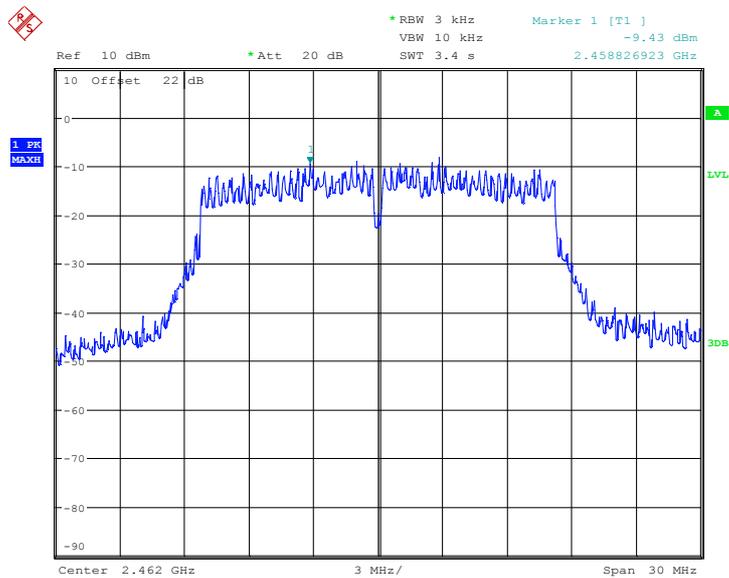
Date: 9.JUN.2013 16:09:01

**Fig.A.3.4 Power Spectral Density (802.11g, Ch 1)**



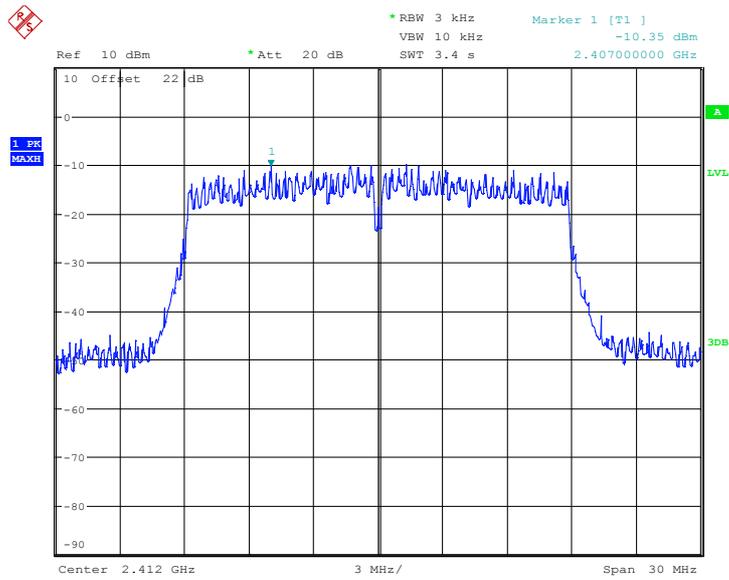
Date: 9.JUN.2013 16:12:38

**Fig.A.3.5 Power Spectral Density (802.11g, Ch 6)**



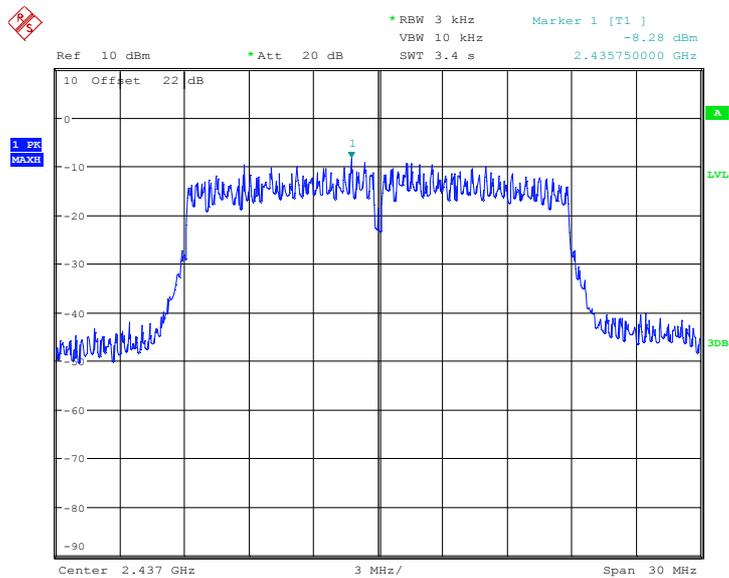
Date: 9.JUN.2013 16:14:53

**Fig.A.3.6 Power Spectral Density (802.11g, Ch 11)**



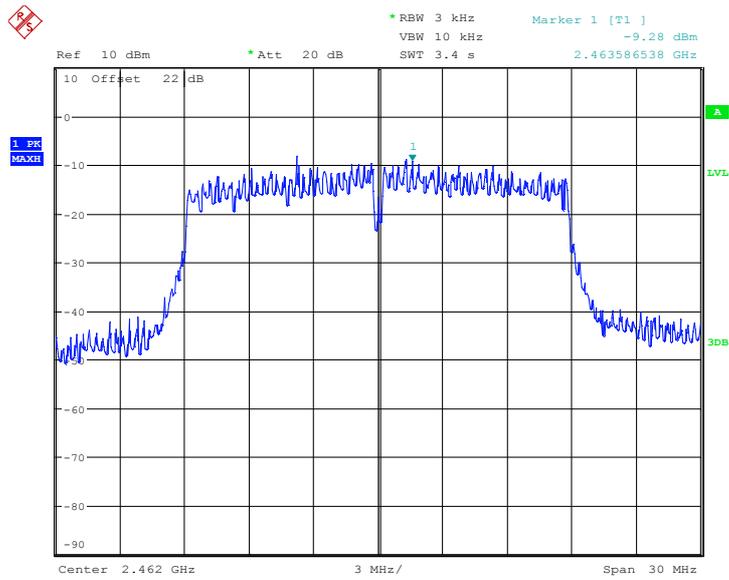
Date: 9.JUN.2013 16:16:44

**Fig.A.3.7 Power Spectral Density (802.11n-20MHz, Ch 1)**



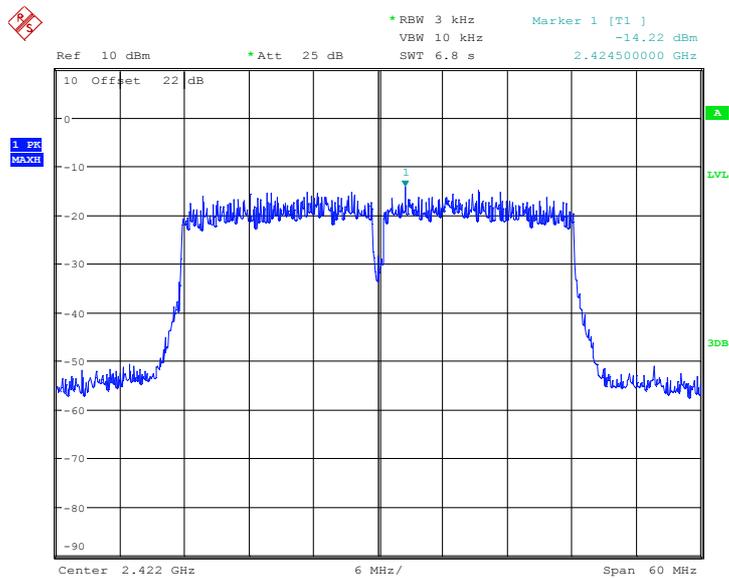
Date: 9.JUN.2013 16:18:29

**Fig.A.3.8 Power Spectral Density (802.11n-20MHz, Ch 6)**



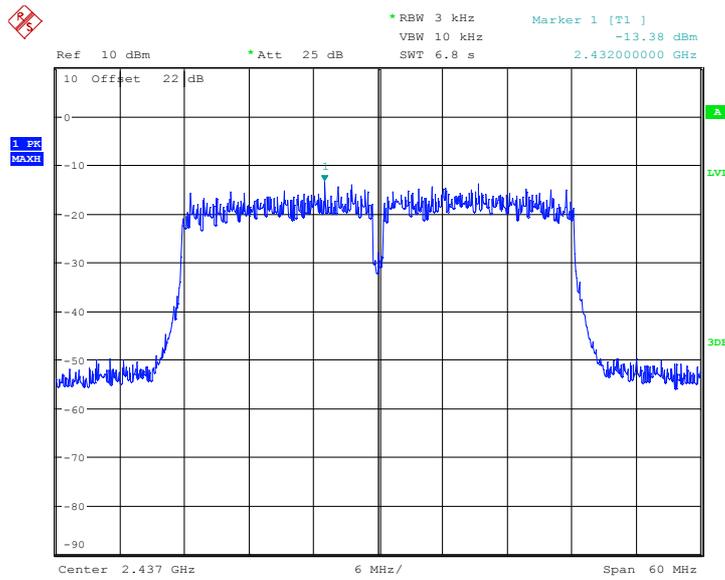
Date: 9.JUN.2013 16:19:55

**Fig.A.3.9 Power Spectral Density (802.11n-20MHz, Ch 11)**



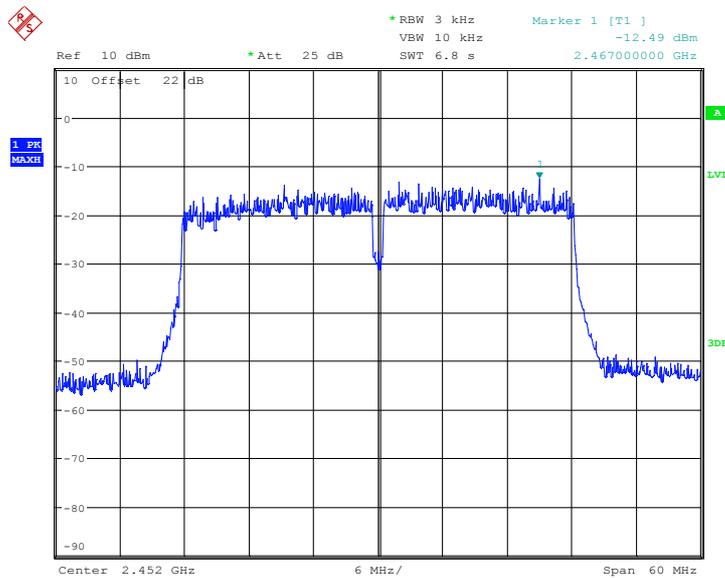
Date: 13.JUN.2013 16:51:17

**Fig.A.3.10 Power Spectral Density (802.11n-40MHz, Ch 3)**



Date: 13.JUN.2013 16:50:10

**Fig.A.3.11 Power Spectral Density (802.11n-40MHz, Ch 6)**



Date: 13.JUN.2013 16:48:06

**Fig.A.3.12 Power Spectral Density (802.11n-40MHz, Ch 9)**

#### A.4. Occupied 6dB Bandwidth

##### Measurement Limit:

Standard	Limit (kHz)
FCC 47 CFR Part 15.247 (a)	≥ 500

The measurement is made according to KDB558074.

##### EUT ID: EUT2

##### Modulation type and data rate tested:

802.11b	802.11g	802.11n-HT20	802.11n-HT40
11Mbps(CCK)	48Mbps(OFDM)	MCS5(OFDM)	MCS3(OFDM)

##### Measurement Result:

##### 802.11b/g mode

Mode	Channel	Occupied 6dB Bandwidth ( kHz)		conclusion
802.11b	1	Fig.A.4.1	9102.56	P
	6	Fig.A.4.2	9743.59	P
	11	Fig.A.4.3	9935.90	P
802.11g	1	Fig.A.4.4	16474.36	P
	6	Fig.A.4.5	16474.36	P
	11	Fig.A.4.6	16474.36	P

##### 802.11n-HT20 mode

Mode	Channel	Occupied 6dB Bandwidth ( kHz)		conclusion
802.11n (20MHz)	1	Fig.A.4.7	17820.51	P
	6	Fig.A.4.8	17820.51	P
	11	Fig.A.4.9	17820.51	P

##### 802.11n-HT40 mode

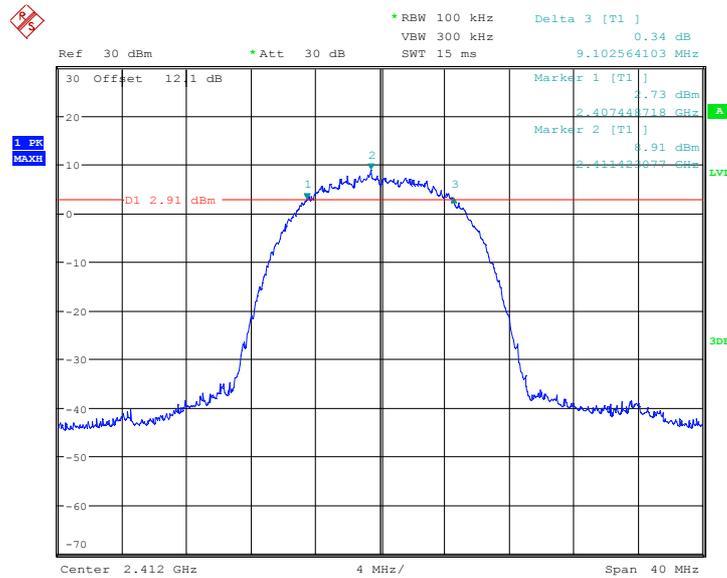
Mode	Channel	Occupied 6dB Bandwidth ( kHz)		conclusion
802.11n (40MHz)	3	Fig.A.4.10	36282.05	P
	6	Fig.A.4.11	36153.85	P
	9	Fig.A.4.12	35897.44	P

**Conclusion: Pass**

##### Measurement Uncertainty:

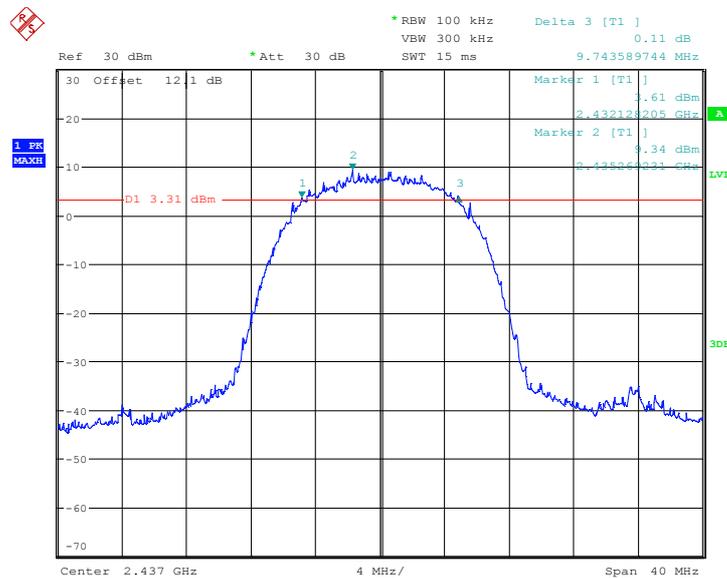
Measurement Uncertainty	60.80Hz
-------------------------	---------

Test graphs as below:



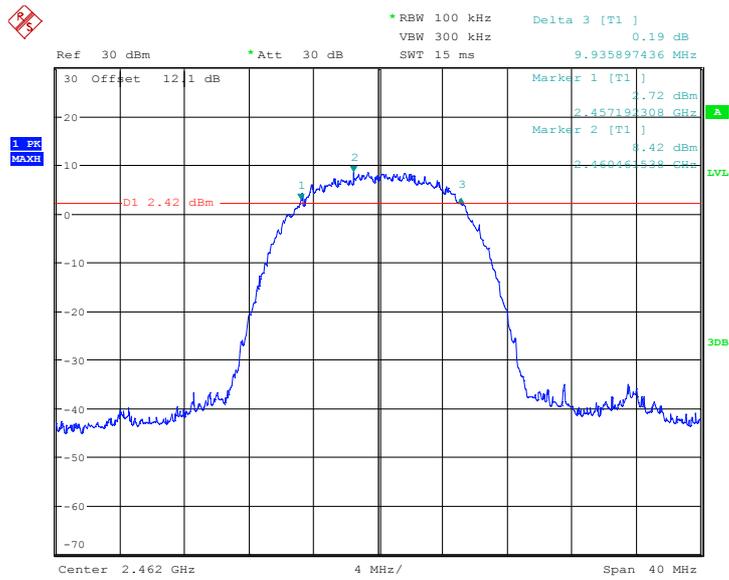
Date: 23.MAY.2013 16:09:41

**Fig.A.4.1 Occupied 6dB Bandwidth (802.11b, Ch 1)**



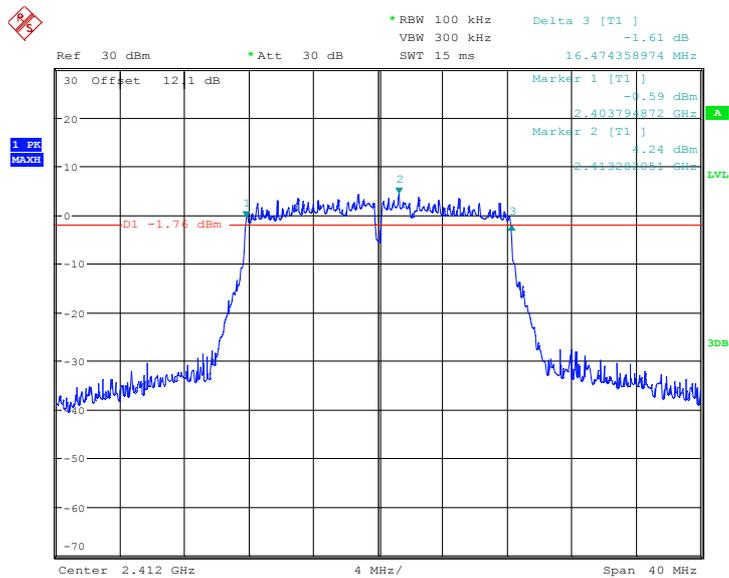
Date: 23.MAY.2013 16:11:18

**Fig.A.4.2 Occupied 6dB Bandwidth (802.11b, Ch 6)**



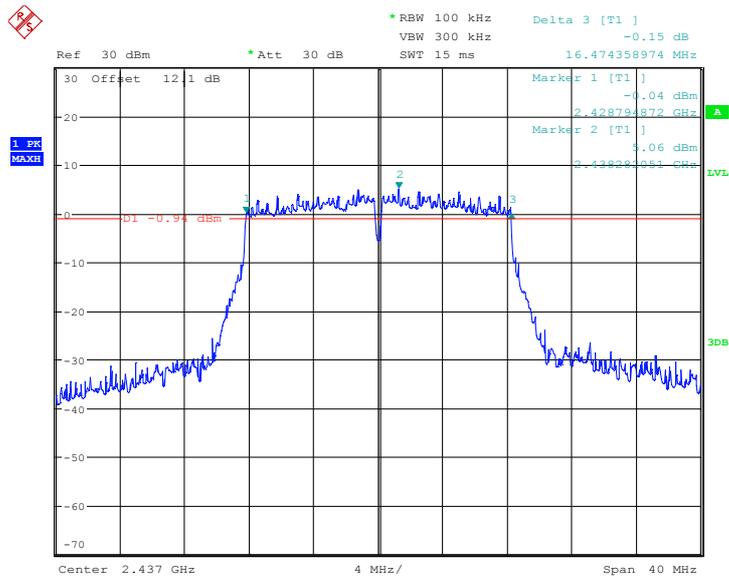
Date: 23.MAY.2013 16:13:10

**Fig.A.4.3 Occupied 6dB Bandwidth (802.11b, Ch 11)**



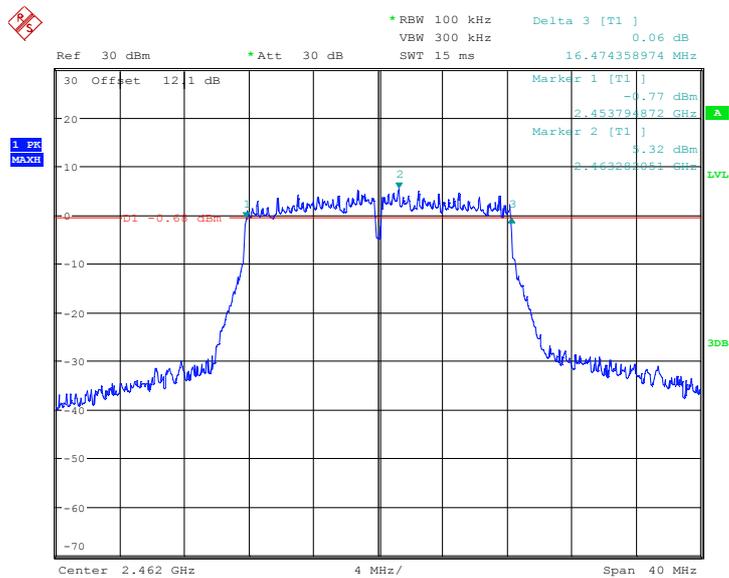
Date: 23.MAY.2013 16:15:22

**Fig.A.4.4 Occupied 6dB Bandwidth (802.11g, Ch 1)**



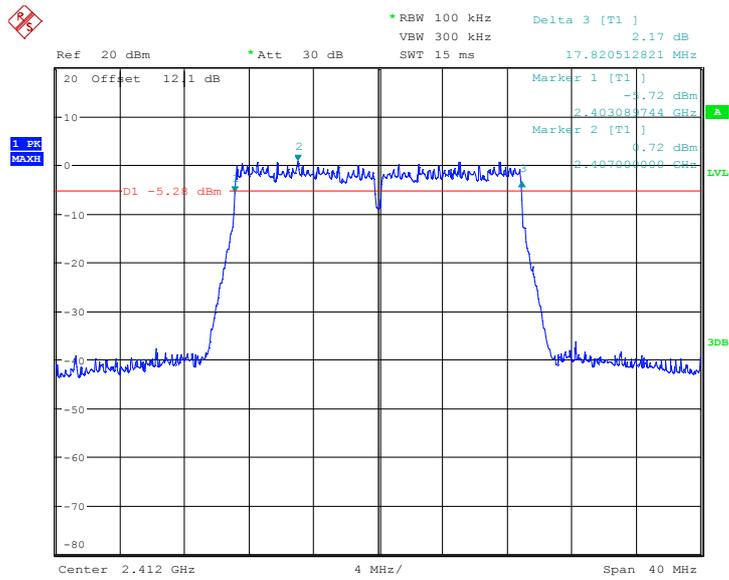
Date: 23.MAY.2013 16:30:29

**Fig.A.4.5 Occupied 6dB Bandwidth (802.11g, Ch 6)**



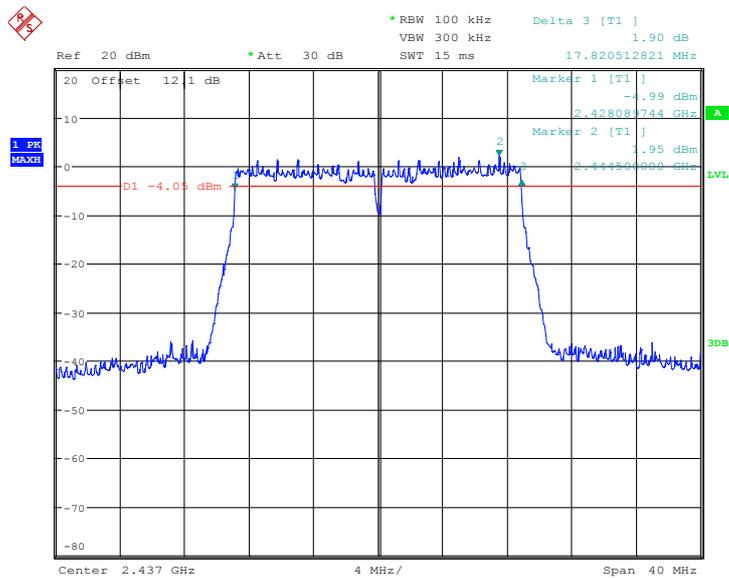
Date: 23.MAY.2013 16:32:26

**Fig.A.4.6 Occupied 6dB Bandwidth (802.11g, Ch 11)**



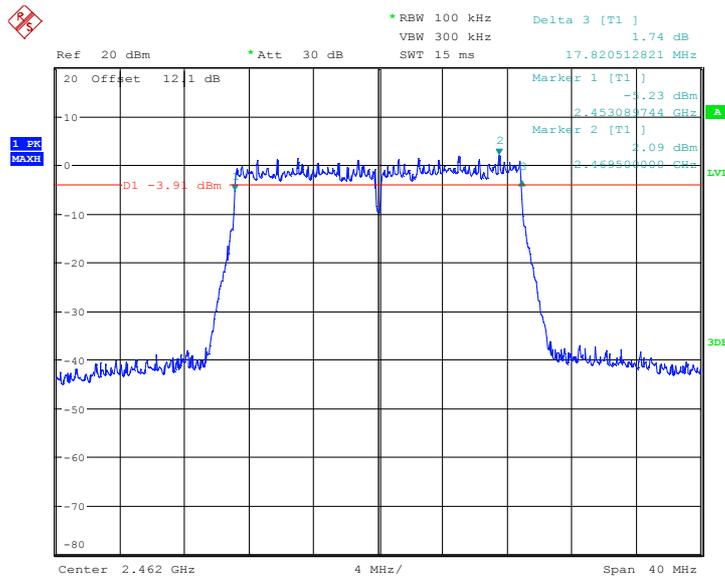
Date: 23.MAY.2013 16:40:27

**Fig.A.4.7 Occupied 6dB Bandwidth (802.11n-20MHz, Ch 1)**



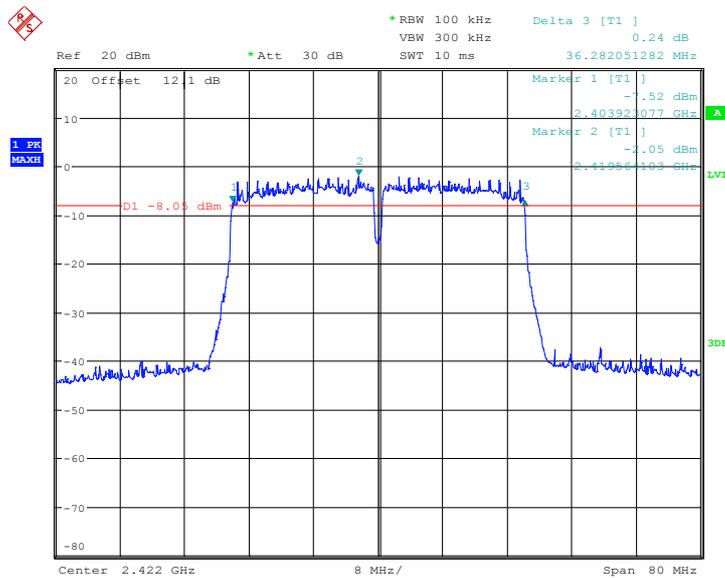
Date: 23.MAY.2013 16:43:34

**Fig.A.4.8 Occupied 6dB Bandwidth (802.11n-20MHz, Ch 6)**



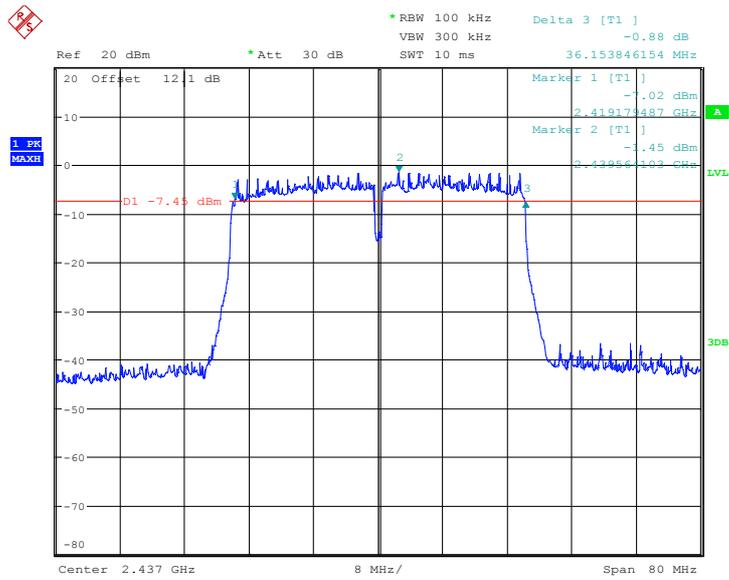
Date: 23.MAY.2013 16:44:53

**Fig.A.4.9 Occupied 6dB Bandwidth (802.11n-20MHz, Ch 11)**



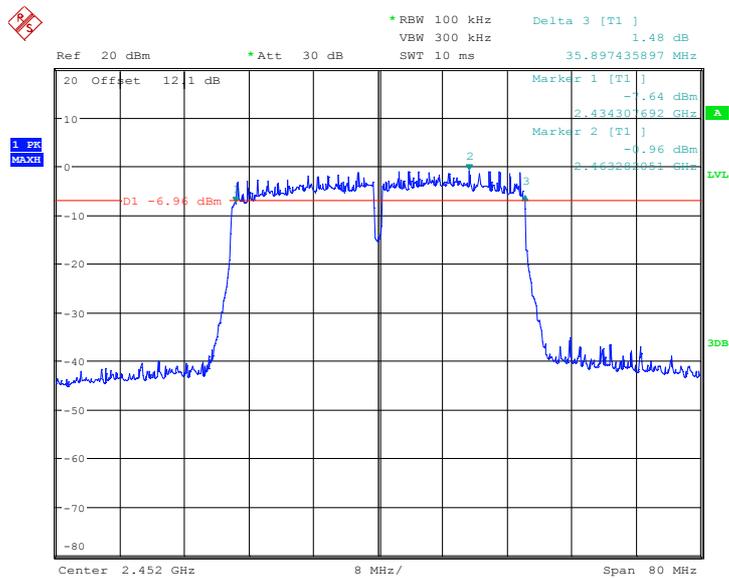
Date: 23.MAY.2013 16:49:12

**Fig.A.4.10 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 3)**



Date: 23.MAY.2013 16:50:46

**Fig.A.4.11 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 6)**



Date: 23.MAY.2013 16:52:28

**Fig.A.4.12 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 9)**

### A.5. Band Edges Compliance

**Measurement Limit:**

Standard	Limit (dBc)
FCC 47 CFR Part 15.247 (d)	> 20

The measurement is made according to KDB558074.

**EUT ID: EUT2**

**Modulation type and data rate tested:**

802.11b	802.11g	802.11n-HT20	802.11n-HT40
11Mbps(CCK)	48Mbps(OFDM)	MCS5(OFDM)	MCS3(OFDM)

**Measurement Result:**

**802.11b/g mode**

Mode	Channel	Test Results	Conclusion
802.11b	1	Fig.A.5.1	<b>P</b>
	11	Fig.A.5.2	<b>P</b>
802.11g	1	Fig.A.5.3	<b>P</b>
	11	Fig.A.5.4	<b>P</b>

**802.11n-HT20 mode**

Mode	Channel	Test Results	Conclusion
802.11n (20MHz)	1	Fig.A.5.5	<b>P</b>
	11	Fig.A.5.6	<b>P</b>

**802.11n-HT40 mode**

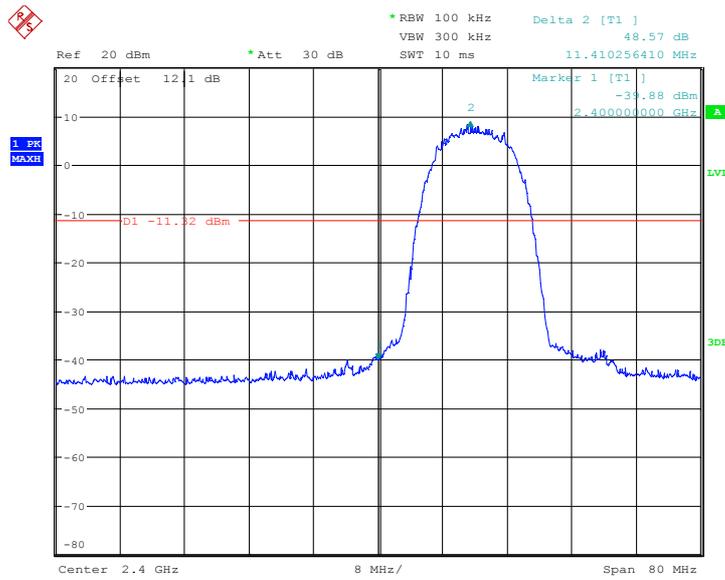
Mode	Channel	Test Results	Conclusion
802.11n (40MHz)	3	Fig.A.5.7	<b>P</b>
	9	Fig.A.5.8	<b>P</b>

**Conclusion: Pass**

**Measurement Uncertainty:**

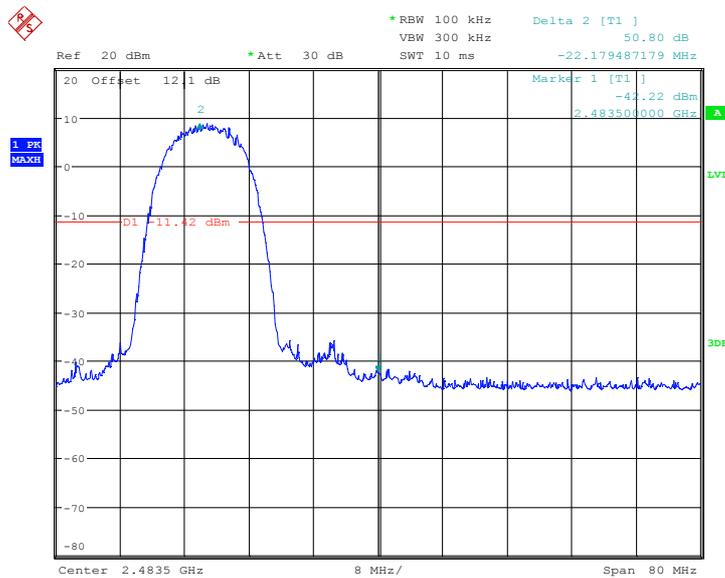
Measurement Uncertainty	0.75dB
-------------------------	--------

**Test graphs as below:**



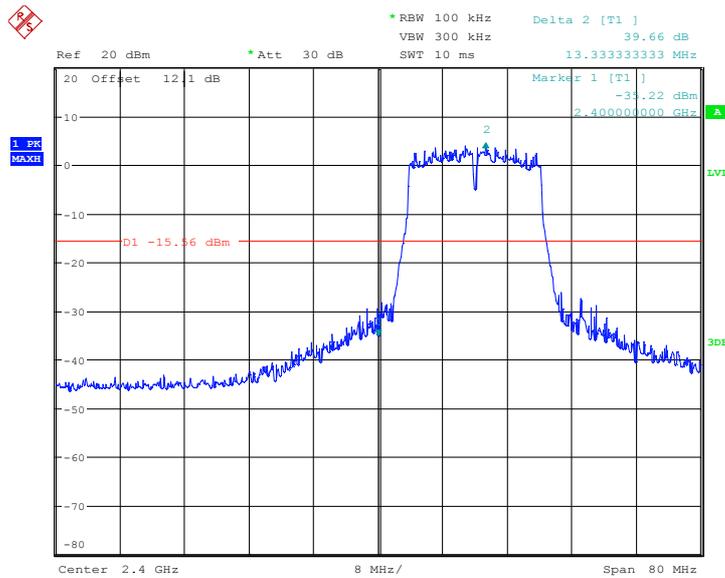
Date: 23.MAY.2013 17:09:58

**Fig.A.5.1 Band Edges (802.11b, Ch 1)**



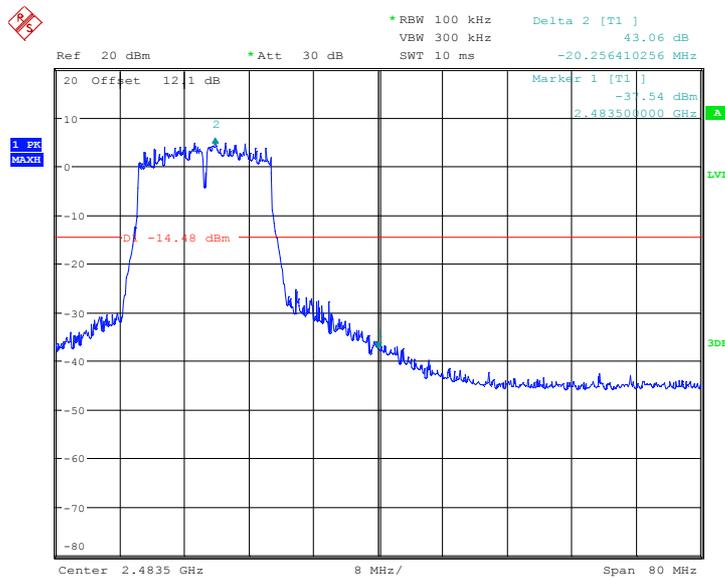
Date: 23.MAY.2013 17:11:21

**Fig.A.5.2 Band Edges (802.11b, Ch 11)**



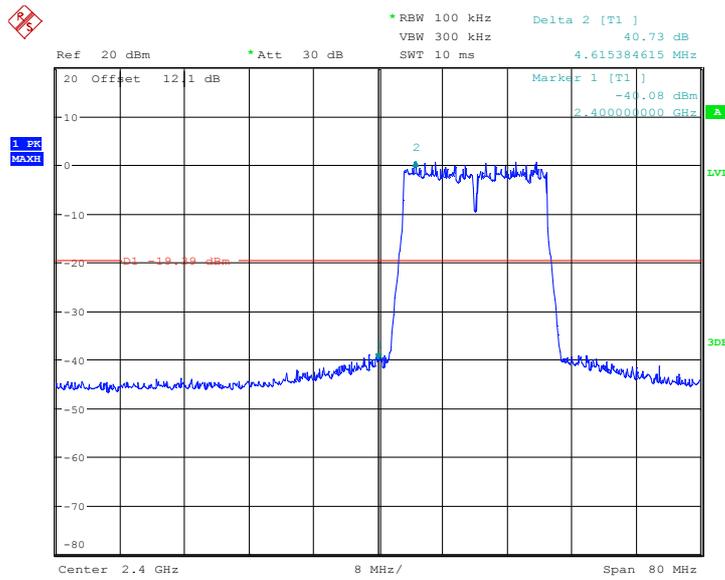
Date: 23.MAY.2013 17:13:48

**Fig.A.5.3 Band Edges (802.11g, Ch 1)**



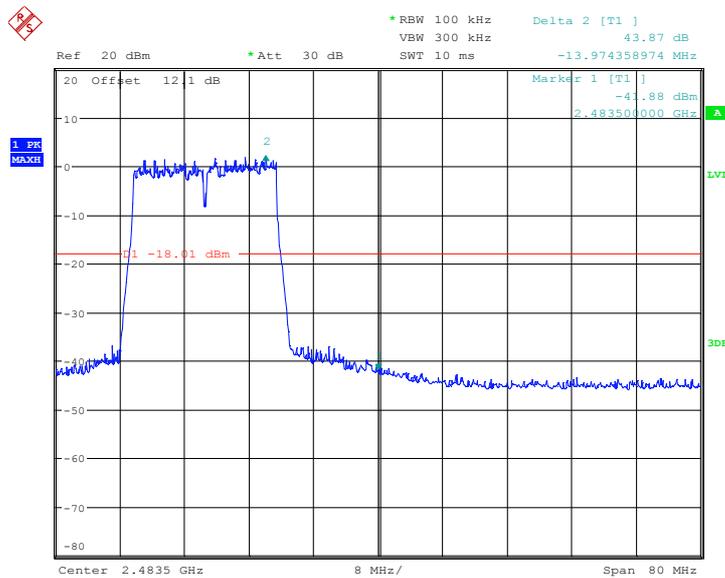
Date: 23.MAY.2013 17:15:16

**Fig.A.5.4 Band Edges (802.11g, Ch 11)**



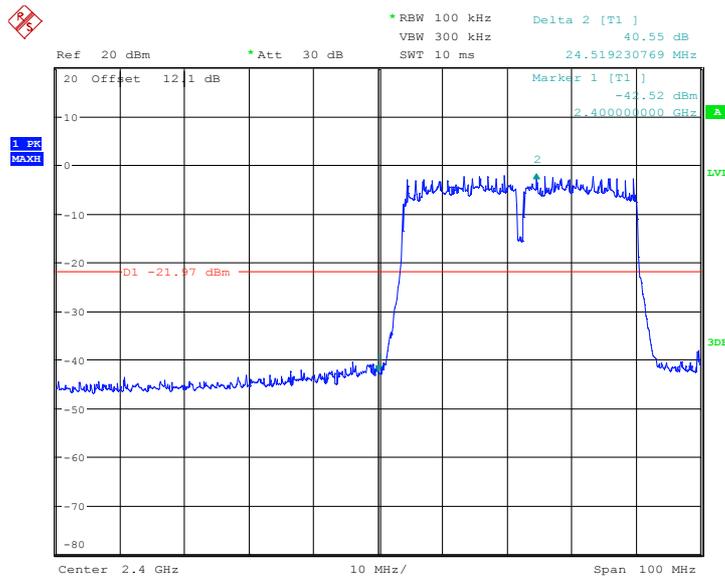
Date: 23.MAY.2013 17:17:30

**Fig.A.5.5 Band Edges (802.11n-20MHz, Ch 1)**



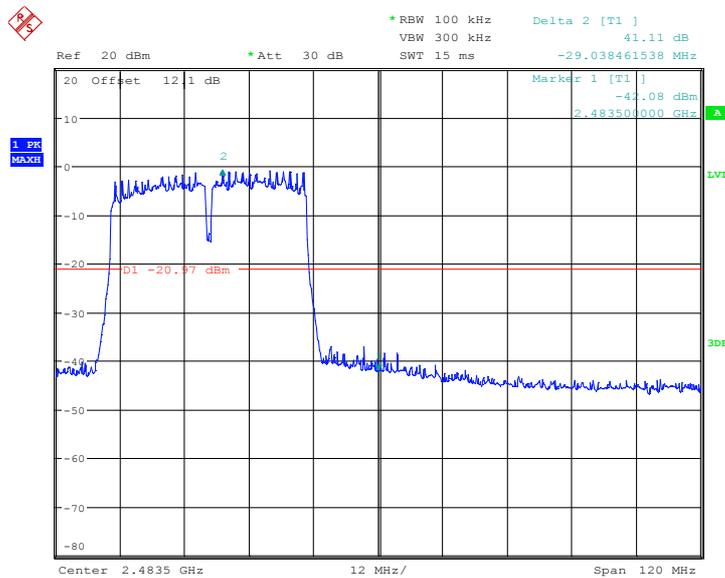
Date: 23.MAY.2013 17:19:16

**Fig.A.5.6 Band Edges (802.11n-20MHz, Ch 11)**



Date: 23.MAY.2013 17:21:55

**Fig.A.5.7 Band Edges (802.11n-40MHz, Ch 3)**



Date: 23.MAY.2013 17:22:59

**Fig.A.5.8 Band Edges (802.11n-40MHz, Ch 9)**

## A.6. Transmitter Spurious Emission

### A.6.1 Transmitter Spurious Emission - Conducted

#### Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247 (d)	20dB below peak output power in 100 kHz bandwidth

The measurement is made according to KDB558074.

#### EUT ID: EUT2

#### Modulation type and data rate tested:

802.11b	802.11g	802.11n-HT20	802.11n-HT40
11Mbps(CCK)	48Mbps(OFDM)	MCS5(OFDM)	MCS3(OFDM)

#### Measurement Results:

##### 802.11b mode

MODE	Channel	Frequency Range	Test Results	Conclusion
802.11b	1	2.412 GHz	Fig.A.6.1.1	<b>P</b>
		30 MHz ~ 1 GHz	Fig.A.6.1.2	<b>P</b>
		1 GHz ~ 2.5 GHz	Fig.A.6.1.3	<b>P</b>
		2.5 GHz ~ 7.5 GHz	Fig.A.6.1.4	<b>P</b>
		7.5 GHz ~ 10 GHz	Fig.A.6.1.5	<b>P</b>
		10 GHz ~ 15 GHz	Fig.A.6.1.6	<b>P</b>
		15 GHz ~ 20 GHz	Fig.A.6.1.7	<b>P</b>
		20 GHz ~ 26 GHz	Fig.A.6.1.8	<b>P</b>
	6	2.437 GHz	Fig.A.6.1.9	<b>P</b>
		30 MHz ~ 1 GHz	Fig.A.6.1.10	<b>P</b>
		1 GHz ~ 2.5 GHz	Fig.A.6.1.11	<b>P</b>
		2.5 GHz ~ 7.5 GHz	Fig.A.6.1.12	<b>P</b>
		7.5 GHz ~ 10 GHz	Fig.A.6.1.13	<b>P</b>
		10 GHz ~ 15 GHz	Fig.A.6.1.14	<b>P</b>
		15 GHz ~ 20 GHz	Fig.A.6.1.15	<b>P</b>
		20 GHz ~ 26 GHz	Fig.A.6.1.16	<b>P</b>
	11	2.462 GHz	Fig.A.6.1.17	<b>P</b>
		30 MHz ~ 1 GHz	Fig.A.6.1.18	<b>P</b>
		1 GHz ~ 2.5 GHz	Fig.A.6.1.19	<b>P</b>
		2.5 GHz ~ 7.5 GHz	Fig.A.6.1.20	<b>P</b>
		7.5 GHz ~ 10 GHz	Fig.A.6.1.21	<b>P</b>
		10 GHz ~ 15 GHz	Fig.A.6.1.22	<b>P</b>
		15 GHz ~ 20 GHz	Fig.A.6.1.23	<b>P</b>
		20 GHz ~ 26 GHz	Fig.A.6.1.24	<b>P</b>

**802.11g mode**

<b>MODE</b>	<b>Channel</b>	<b>Frequency Range</b>	<b>Test Results</b>	<b>Conclusion</b>
802.11g	1	2.412 GHz	Fig.A.6.1.25	<b>P</b>
		30 MHz ~ 1 GHz	Fig.A.6.1.26	<b>P</b>
		1 GHz ~ 2.5 GHz	Fig.A.6.1.27	<b>P</b>
		2.5 GHz ~ 7.5 GHz	Fig.A.6.1.28	<b>P</b>
		7.5 GHz ~ 10 GHz	Fig.A.6.1.29	<b>P</b>
		10 GHz ~ 15 GHz	Fig.A.6.1.30	<b>P</b>
		15 GHz ~ 20 GHz	Fig.A.6.1.31	<b>P</b>
		20 GHz ~ 26 GHz	Fig.A.6.1.32	<b>P</b>
	6	2.437 GHz	Fig.A.6.1.33	<b>P</b>
		30 MHz ~ 1 GHz	Fig.A.6.1.34	<b>P</b>
		1 GHz ~ 2.5 GHz	Fig.A.6.1.35	<b>P</b>
		2.5 GHz ~ 7.5 GHz	Fig.A.6.1.36	<b>P</b>
		7.5 GHz ~ 10 GHz	Fig.A.6.1.37	<b>P</b>
		10 GHz ~ 15 GHz	Fig.A.6.1.38	<b>P</b>
		15 GHz ~ 20 GHz	Fig.A.6.1.39	<b>P</b>
		20 GHz ~ 26 GHz	Fig.A.6.1.40	<b>P</b>
	11	2.462 GHz	Fig.A.6.1.41	<b>P</b>
		30 MHz ~ 1 GHz	Fig.A.6.1.42	<b>P</b>
		1 GHz ~ 2.5 GHz	Fig.A.6.1.43	<b>P</b>
		2.5 GHz ~ 7.5 GHz	Fig.A.6.1.44	<b>P</b>
		7.5 GHz ~ 10 GHz	Fig.A.6.1.45	<b>P</b>
		10 GHz ~ 15 GHz	Fig.A.6.1.46	<b>P</b>
		15 GHz ~ 20 GHz	Fig.A.6.1.47	<b>P</b>
		20 GHz ~ 26 GHz	Fig.A.6.1.48	<b>P</b>

802.11n-HT20 mode

MODE	Channel	Frequency Range	Test Results	Conclusion
802.11n (20MHz)	1	2.412 GHz	Fig.A.6.1.49	P
		30 MHz ~ 1 GHz	Fig.A.6.1.50	P
		1 GHz ~ 2.5 GHz	Fig.A.6.1.51	P
		2.5 GHz ~ 7.5 GHz	Fig.A.6.1.52	P
		7.5 GHz ~ 10 GHz	Fig.A.6.1.53	P
		10 GHz ~ 15 GHz	Fig.A.6.1.54	P
		15 GHz ~ 20 GHz	Fig.A.6.1.55	P
		20 GHz ~ 26 GHz	Fig.A.6.1.56	P
	6	2.437 GHz	Fig.A.6.1.57	P
		30 MHz ~ 1 GHz	Fig.A.6.1.58	P
		1 GHz ~ 2.5 GHz	Fig.A.6.1.59	P
		2.5 GHz ~ 7.5 GHz	Fig.A.6.1.60	P
		7.5 GHz ~ 10 GHz	Fig.A.6.1.61	P
		10 GHz ~ 15 GHz	Fig.A.6.1.62	P
		15 GHz ~ 20 GHz	Fig.A.6.1.63	P
		20 GHz ~ 26 GHz	Fig.A.6.1.64	P
	11	2.462 GHz	Fig.A.6.1.65	P
		30 MHz ~ 1 GHz	Fig.A.6.1.66	P
		1 GHz ~ 2.5 GHz	Fig.A.6.1.67	P
		2.5 GHz ~ 7.5 GHz	Fig.A.6.1.68	P
		7.5 GHz ~ 10 GHz	Fig.A.6.1.69	P
		10 GHz ~ 15 GHz	Fig.A.6.1.70	P
		15 GHz ~ 20 GHz	Fig.A.6.1.71	P
		20 GHz ~ 26 GHz	Fig.A.6.1.72	P

**802.11n-HT40 mode**

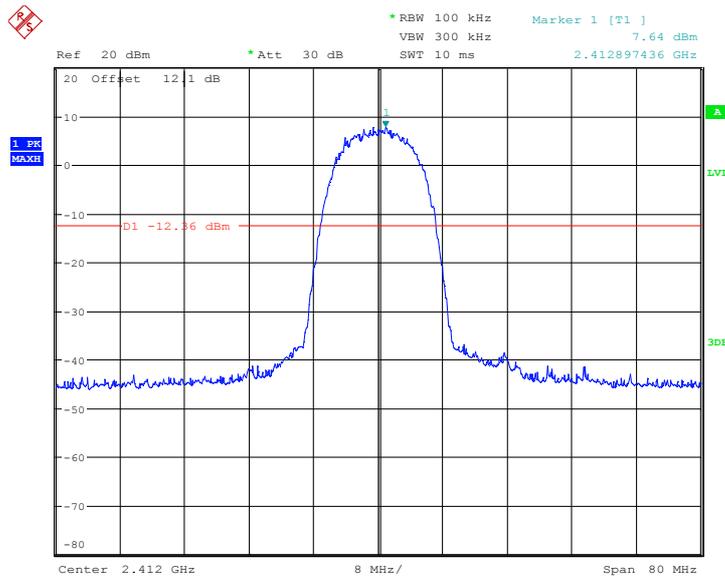
MODE	Channel	Frequency Range	Test Results	Conclusion
802.11n (40MHz)	3	2.422 GHz	Fig.A.6.1.73	P
		30 MHz ~ 1 GHz	Fig.A.6.1.74	P
		1 GHz ~ 2.5 GHz	Fig.A.6.1.75	P
		2.5 GHz ~ 7.5 GHz	Fig.A.6.1.76	P
		7.5 GHz ~ 10 GHz	Fig.A.6.1.77	P
		10 GHz ~ 15 GHz	Fig.A.6.1.78	P
		15 GHz ~ 20 GHz	Fig.A.6.1.79	P
		20 GHz ~ 26 GHz	Fig.A.6.1.80	P
	6	2.437 GHz	Fig.A.6.1.81	P
		30 MHz ~ 1 GHz	Fig.A.6.1.82	P
		1 GHz ~ 2.5 GHz	Fig.A.6.1.83	P
		2.5 GHz ~ 7.5 GHz	Fig.A.6.1.84	P
		7.5 GHz ~ 10 GHz	Fig.A.6.1.85	P
		10 GHz ~ 15 GHz	Fig.A.6.1.86	P
		15 GHz ~ 20 GHz	Fig.A.6.1.87	P
		20 GHz ~ 26 GHz	Fig.A.6.1.88	P
	9	2.452 GHz	Fig.A.6.1.89	P
		30 MHz ~ 1 GHz	Fig.A.6.1.90	P
		1 GHz ~ 2.5 GHz	Fig.A.6.1.91	P
		2.5 GHz ~ 7.5 GHz	Fig.A.6.1.92	P
		7.5 GHz ~ 10 GHz	Fig.A.6.1.93	P
		10 GHz ~ 15 GHz	Fig.A.6.1.94	P
		15 GHz ~ 20 GHz	Fig.A.6.1.95	P
		20 GHz ~ 26 GHz	Fig.A.6.1.96	P

**Conclusion: Pass**

**Measurement Uncertainty:**

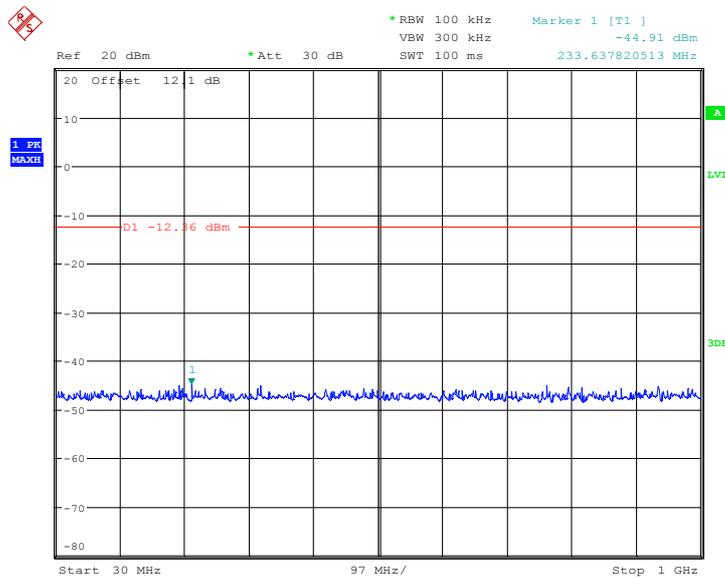
Frequency Range	Uncertainty(dB)
30MHz ≤ f ≤ 2GHz	0.63
2GHz ≤ f ≤ 3.6GHz	0.82
3.6GHz ≤ f ≤ 8GHz	1.55
8GHz ≤ f ≤ 20GHz	1.86
20GHz ≤ f ≤ 22GHz	1.90
22GHz ≤ f ≤ 26GHz	2.20

**Test graphs as below:**



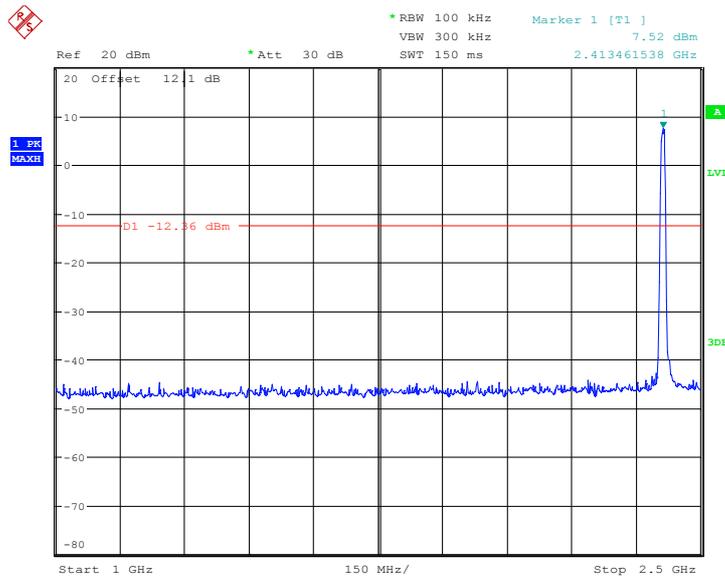
Date: 23.MAY.2013 17:52:00

**Fig.A.6.1.1 Conducted Spurious Emission (802.11b, Ch1, Center Frequency)**



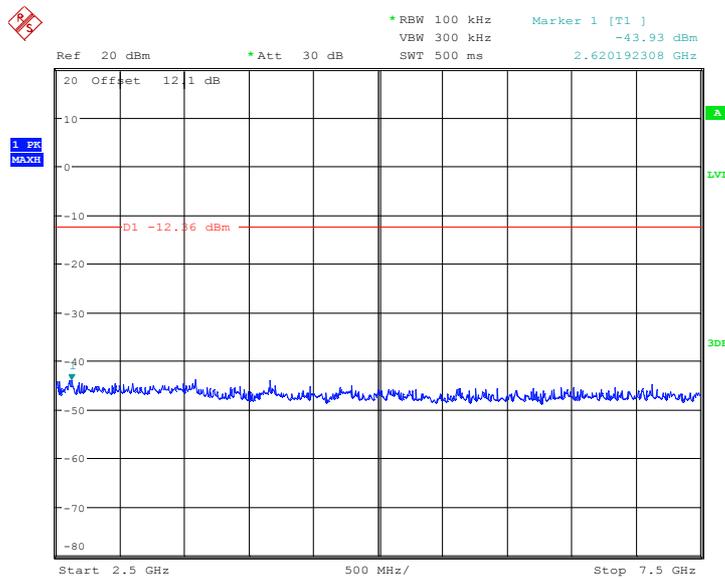
Date: 23.MAY.2013 17:52:29

**Fig.A.6.1.2 Conducted Spurious Emission (802.11b, Ch1, 30 MHz-1 GHz)**



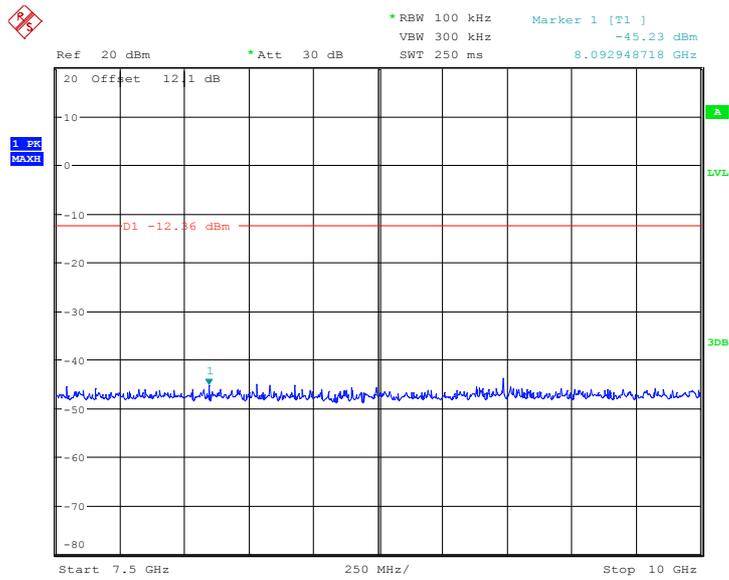
Date: 23.MAY.2013 17:53:09

**Fig.A.6.1.3    Conducted Spurious Emission (802.11b, Ch1, 1 GHz-2.5 GHz)**



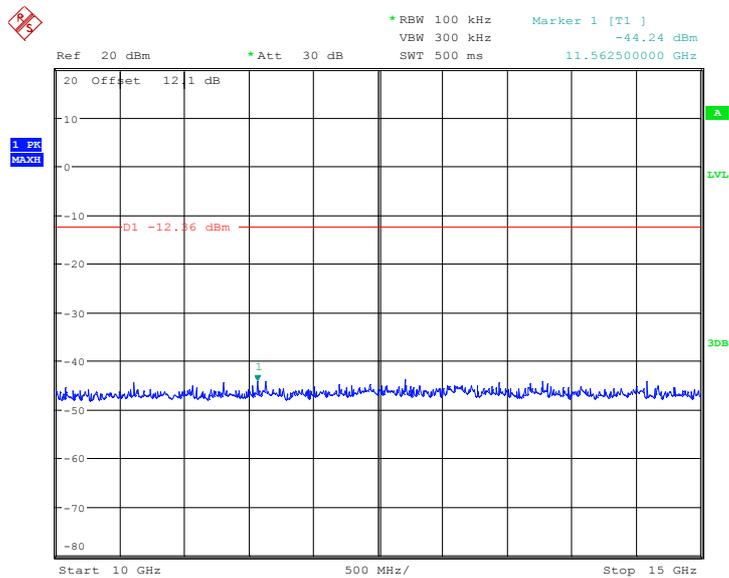
Date: 23.MAY.2013 17:53:29

**Fig.A.6.1.4    Conducted Spurious Emission (802.11b, Ch1, 2.5 GHz-7.5 GHz)**



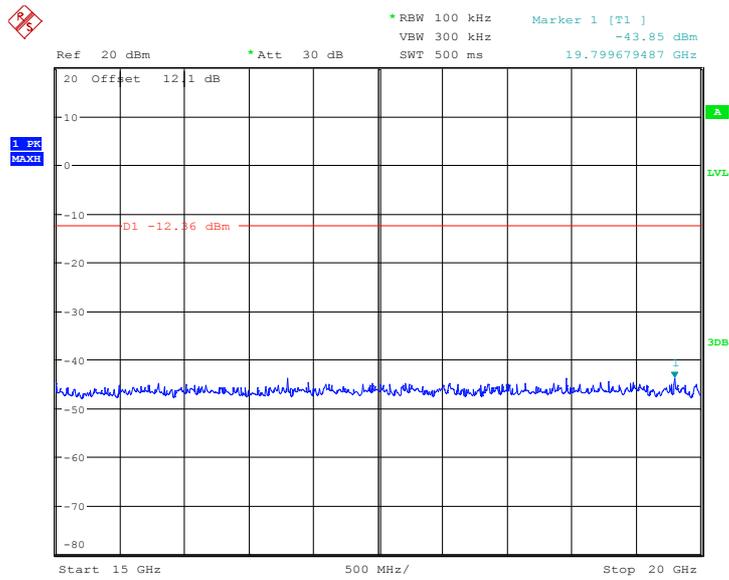
Date: 23.MAY.2013 17:53:48

**Fig.A.6.1.5 Conducted Spurious Emission (802.11b, Ch1, 7.5 GHz-10 GHz)**



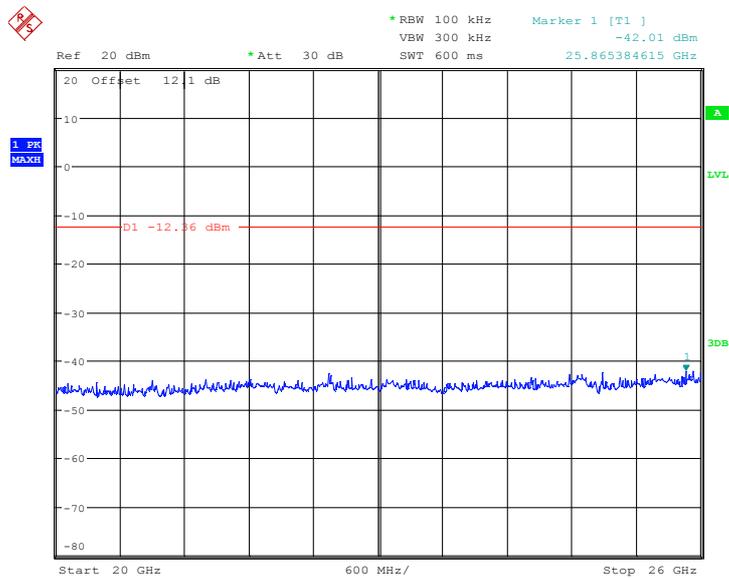
Date: 23.MAY.2013 17:54:08

**Fig.A.6.1.6 Conducted Spurious Emission (802.11b, Ch1, 10 GHz-15 GHz)**



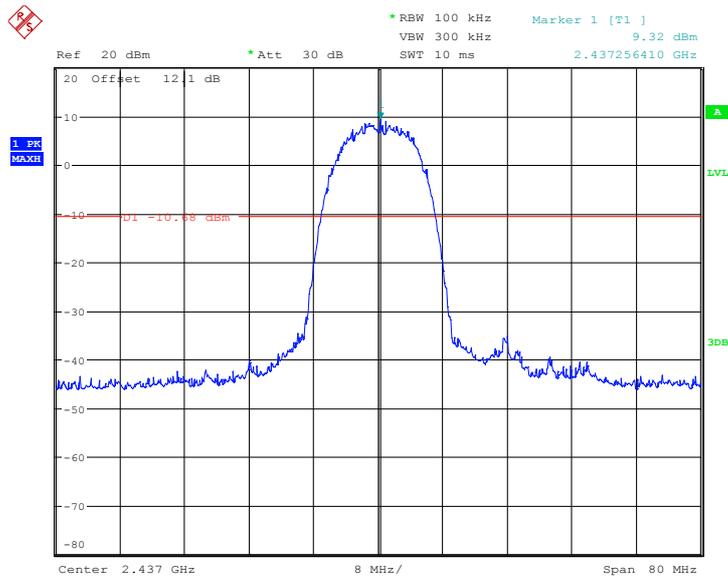
Date: 23.MAY.2013 17:54:29

**Fig.A.6.1.7 Conducted Spurious Emission (802.11b, Ch1, 15 GHz-20 GHz)**



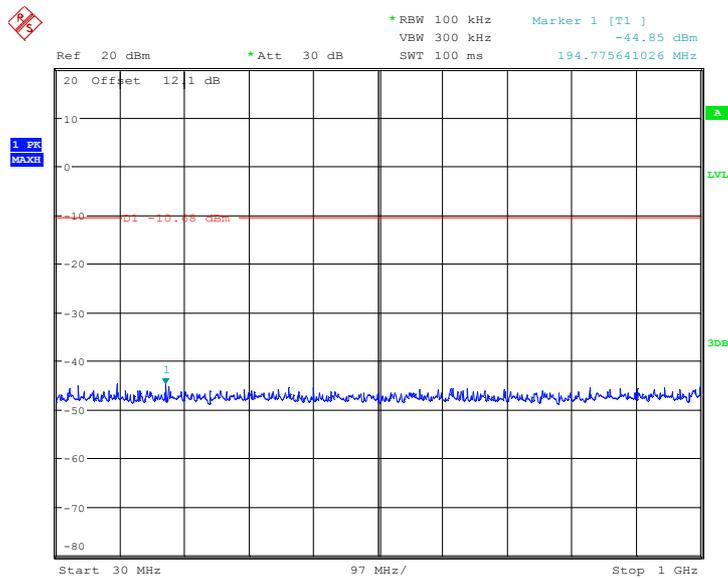
Date: 23.MAY.2013 17:54:50

**Fig.A.6.1.8 Conducted Spurious Emission (802.11b, Ch1, 20 GHz-26 GHz)**



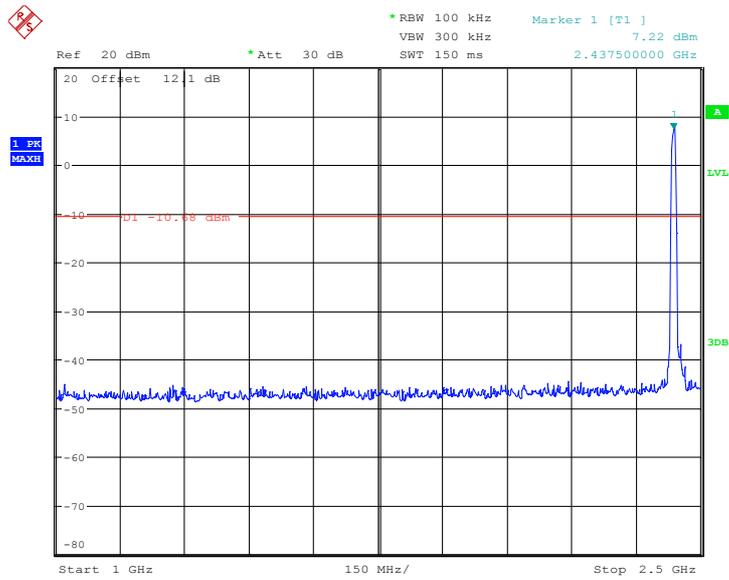
Date: 23.MAY.2013 17:56:12

**Fig.A.6.1.9 Conducted Spurious Emission (802.11b, Ch6, Center Frequency)**



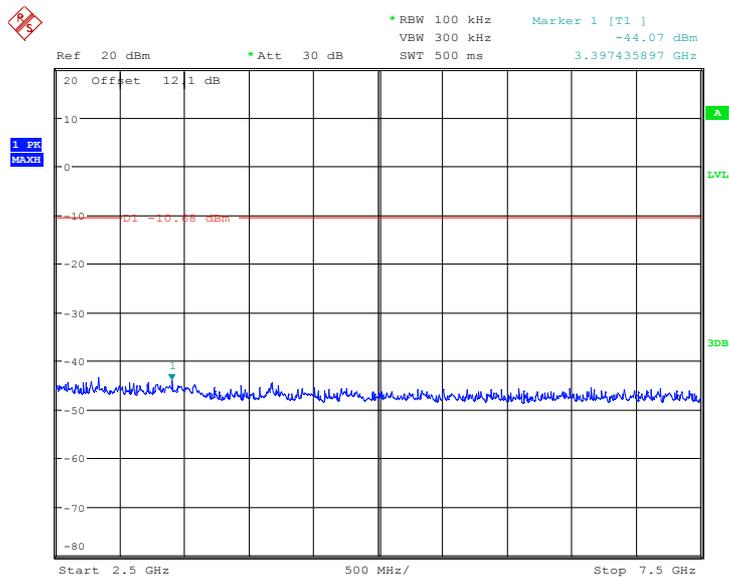
Date: 23.MAY.2013 17:56:27

**Fig.A.6.1.10 Conducted Spurious Emission (802.11b, Ch6, 30 MHz-1 GHz)**



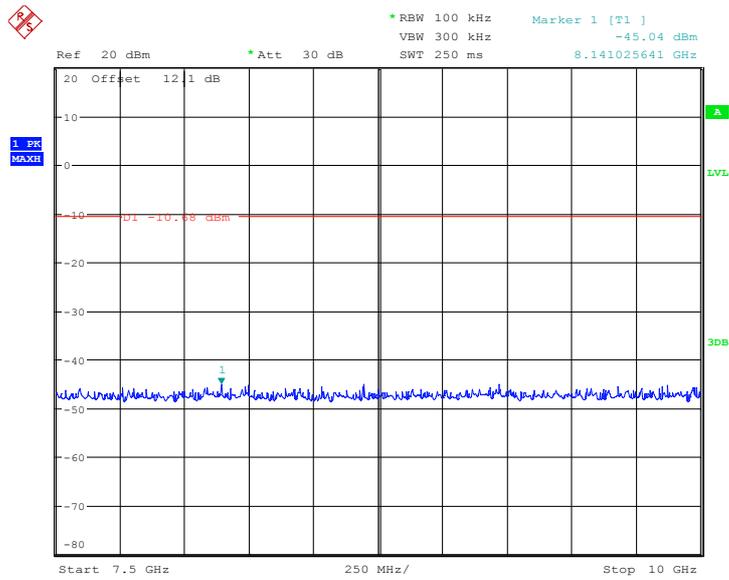
Date: 23.MAY.2013 17:56:41

**Fig.A.6.1.11 Conducted Spurious Emission (802.11b, Ch6, 1 GHz-2.5 GHz)**



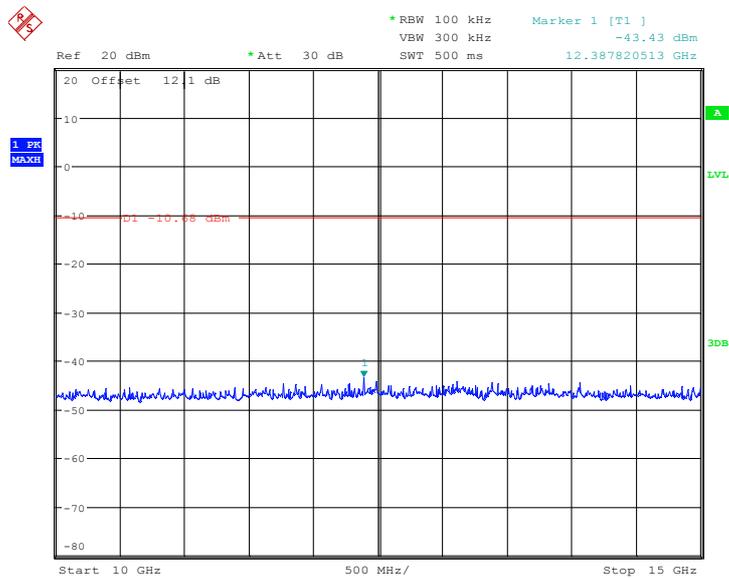
Date: 23.MAY.2013 17:57:00

**Fig.A.6.1.12 Conducted Spurious Emission (802.11b, Ch6, 2.5 GHz-7.5 GHz)**



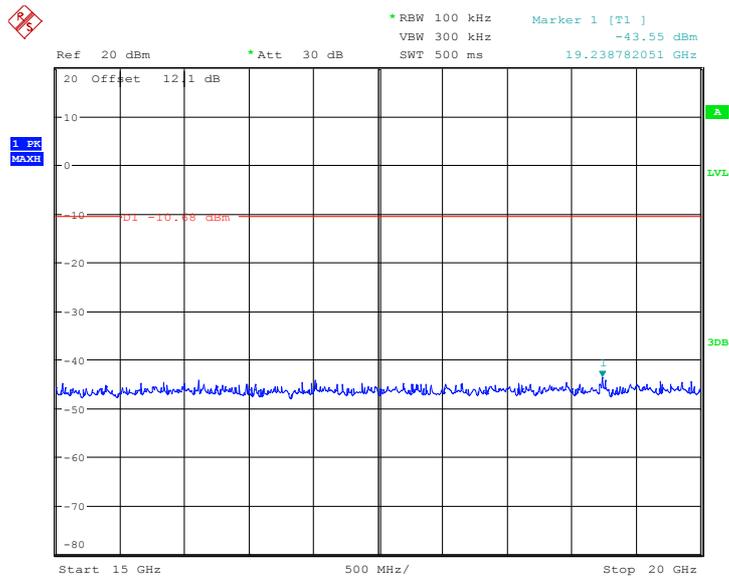
Date: 23.MAY.2013 17:57:19

**Fig.A.6.1.13 Conducted Spurious Emission (802.11b, Ch6, 7.5 GHz-10 GHz)**



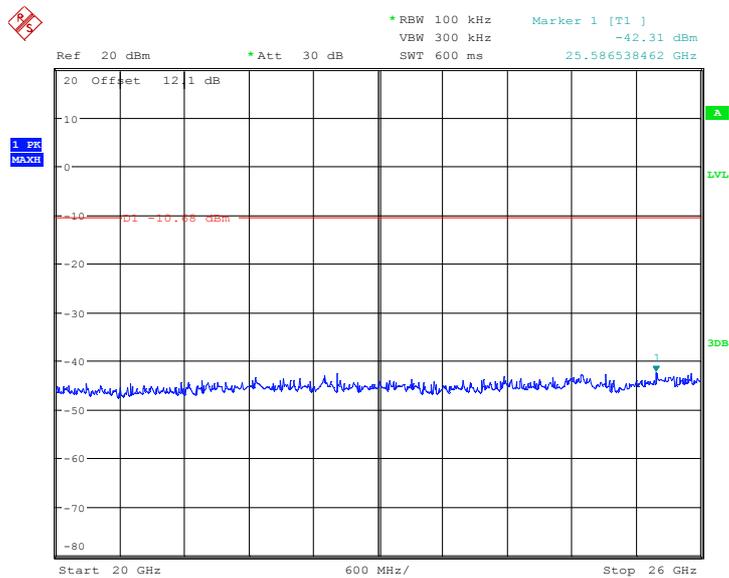
Date: 23.MAY.2013 17:57:36

**Fig.A.6.1.14 Conducted Spurious Emission (802.11b, Ch6, 10 GHz-15 GHz)**



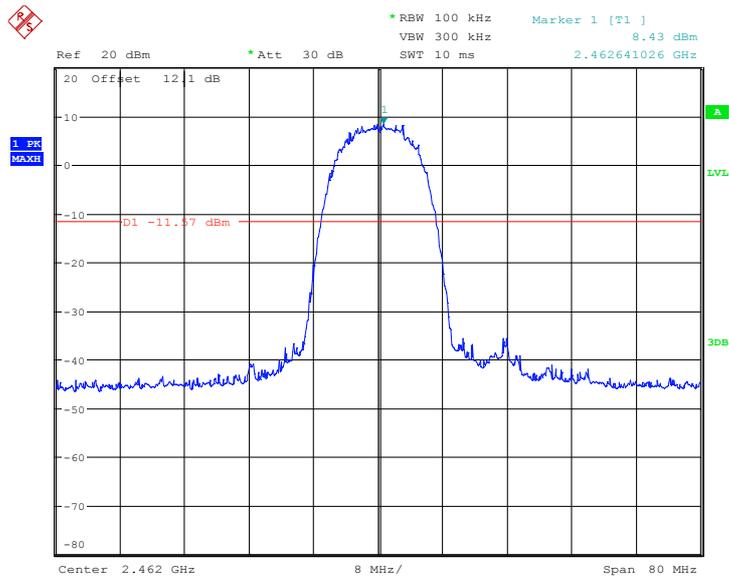
Date: 23.MAY.2013 17:57:52

**Fig.A.6.1.15 Conducted Spurious Emission (802.11b, Ch6, 15 GHz-20 GHz)**



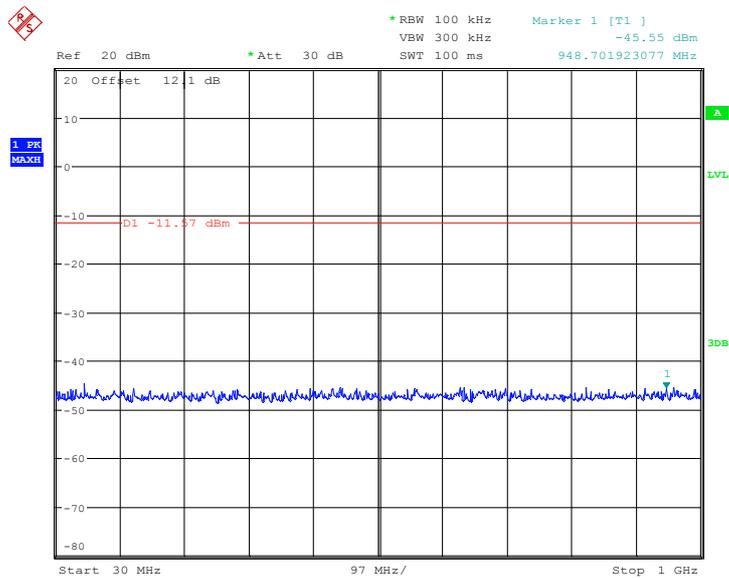
Date: 23.MAY.2013 17:58:09

**Fig.A.6.1.16 Conducted Spurious Emission (802.11b, Ch6, 20 GHz-26 GHz)**



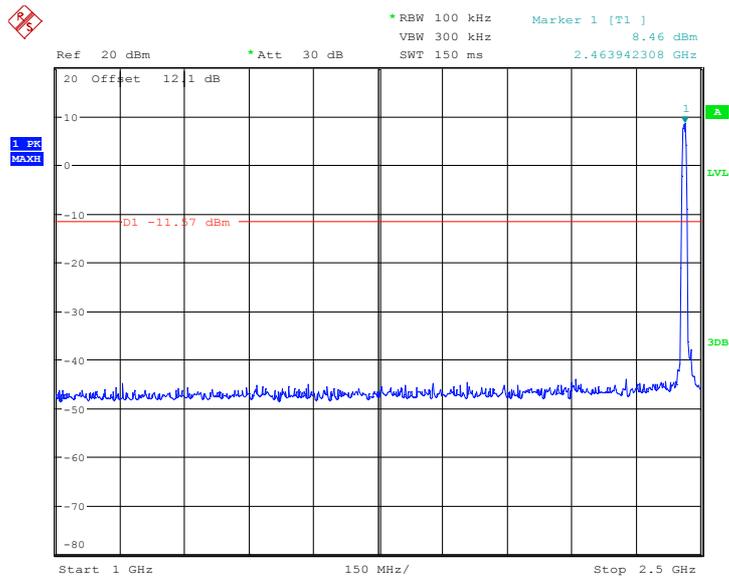
Date: 23.MAY.2013 17:59:17

**Fig.A.6.1.17 Conducted Spurious Emission (802.11b, Ch11, Center Frequency)**



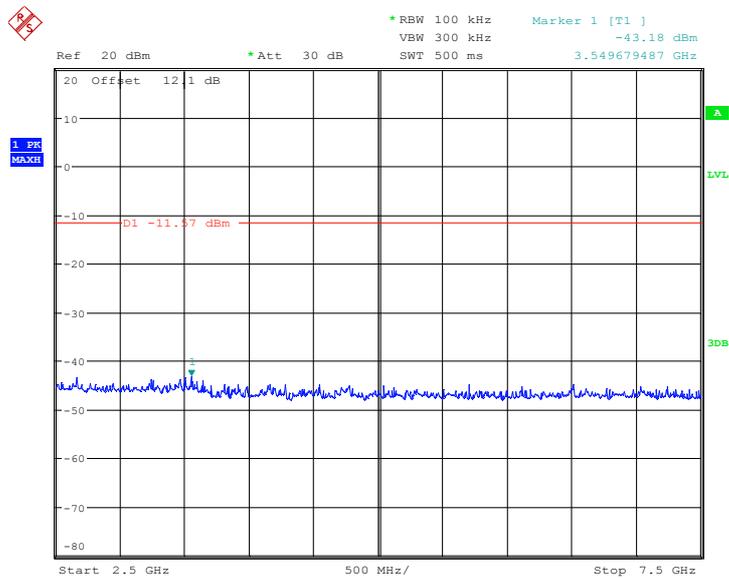
Date: 23.MAY.2013 17:59:39

**Fig.A.6.1.18 Conducted Spurious Emission (802.11b, Ch11, 30 MHz-1 GHz)**



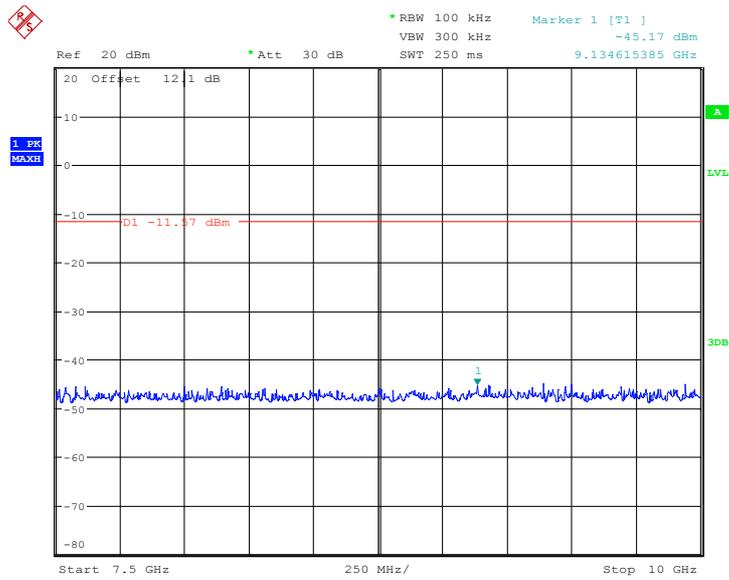
Date: 23.MAY.2013 17:59:56

**Fig.A.6.1.19 Conducted Spurious Emission (802.11b, Ch11, 1 GHz-2.5 GHz)**



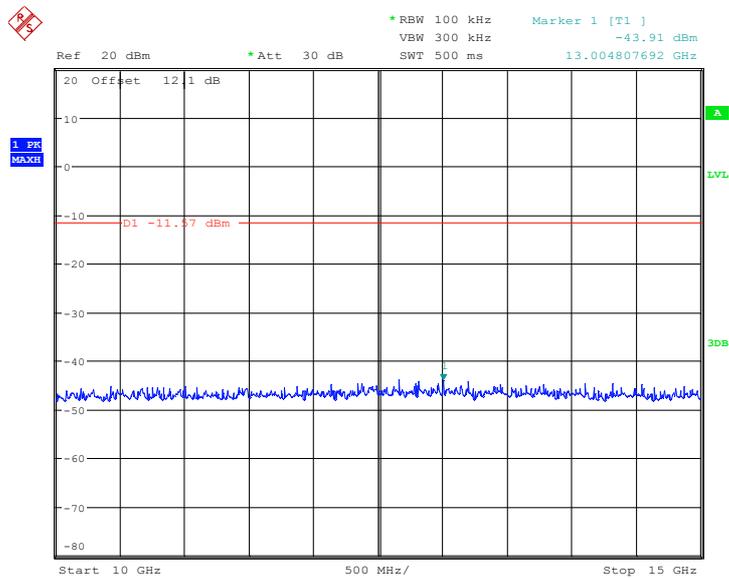
Date: 23.MAY.2013 18:00:33

**Fig.A.6.1.20 Conducted Spurious Emission (802.11b, Ch11, 2.5 GHz-7.5 GHz)**



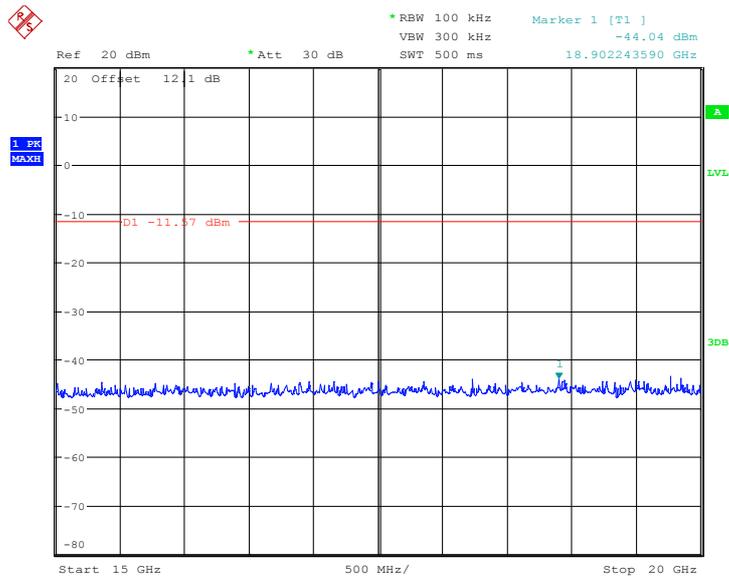
Date: 23.MAY.2013 18:02:38

**Fig.A.6.1.21 Conducted Spurious Emission (802.11b, Ch11, 7.5 GHz-10 GHz)**



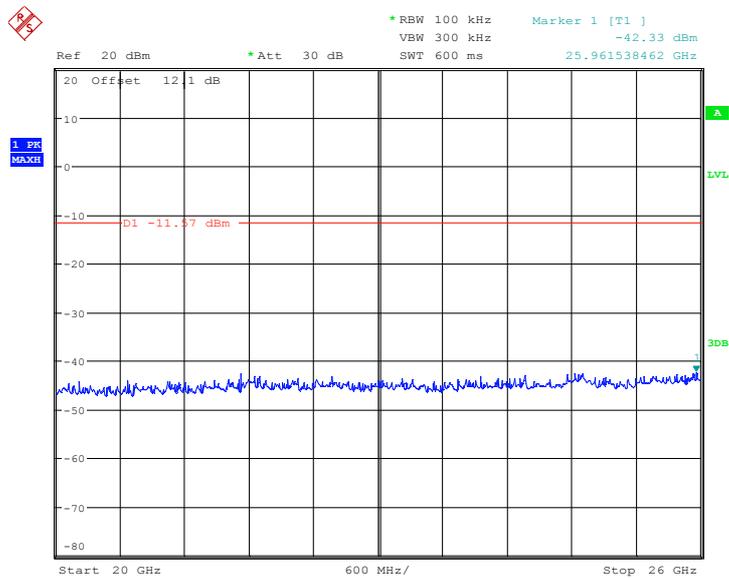
Date: 23.MAY.2013 18:02:54

**Fig.A.6.1.22 Conducted Spurious Emission (802.11b, Ch11, 10 GHz-15 GHz)**



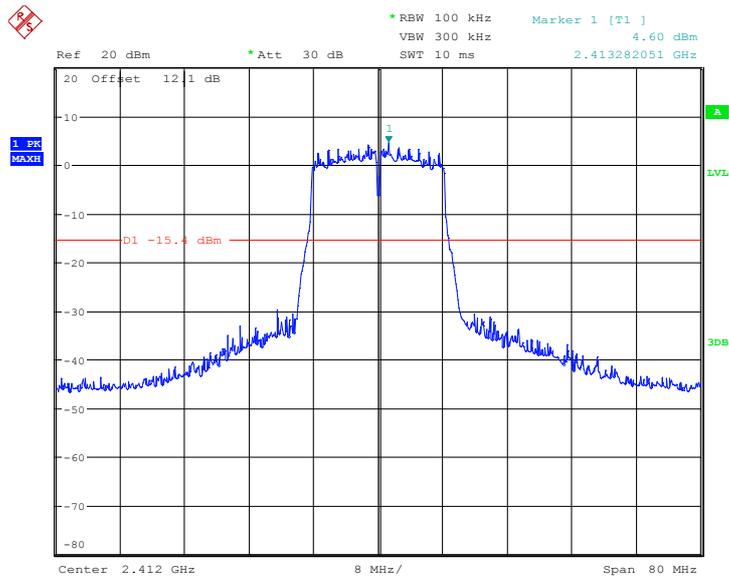
Date: 23.MAY.2013 18:03:11

**Fig.A.6.1.23 Conducted Spurious Emission (802.11b, Ch11, 15 GHz-20 GHz)**



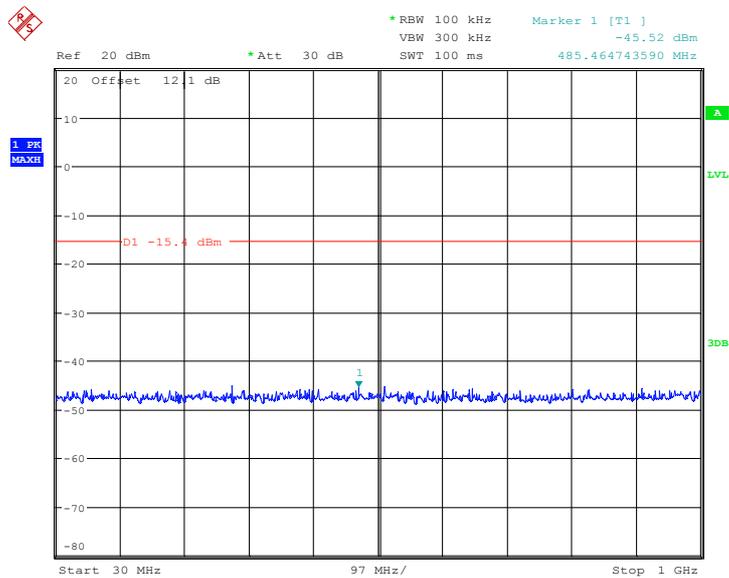
Date: 23.MAY.2013 18:03:37

**Fig.A.6.1.24 Conducted Spurious Emission (802.11b, Ch11, 20 GHz-26 GHz)**



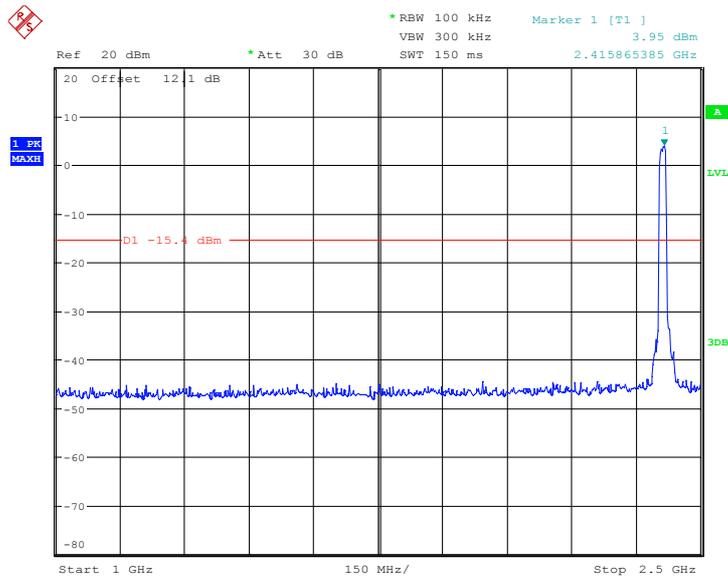
Date: 23.MAY.2013 18:07:20

**Fig.A.6.1.25 Conducted Spurious Emission (802.11g, Ch1, Center Frequency)**



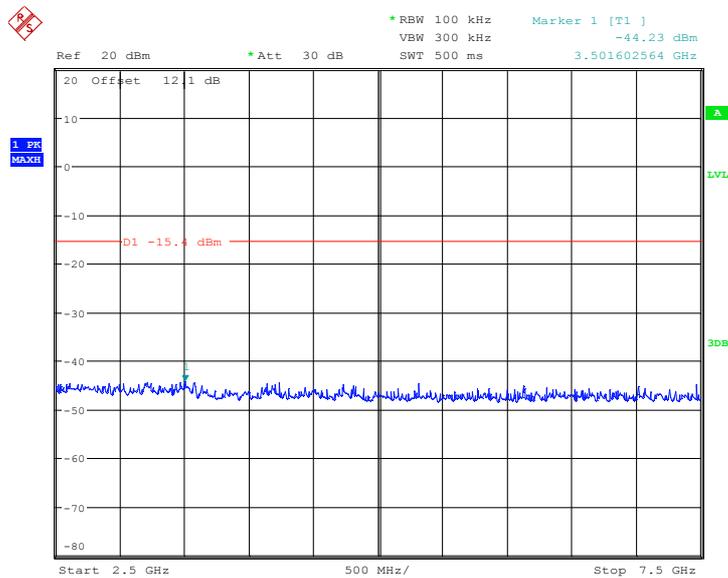
Date: 23.MAY.2013 18:07:41

**Fig.A.6.1.26 Conducted Spurious Emission (802.11g, Ch1, 30 MHz-1 GHz)**



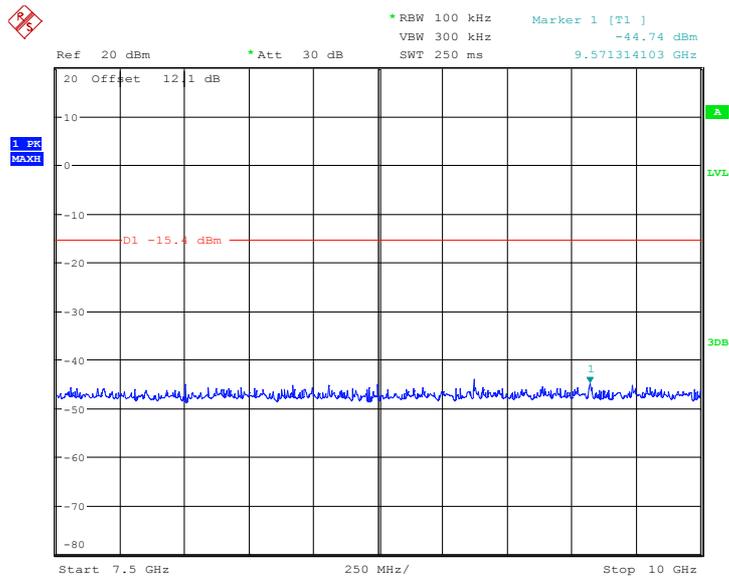
Date: 23.MAY.2013 18:08:01

**Fig.A.6.1.27 Conducted Spurious Emission (802.11g, Ch1, 1 GHz-2.5 GHz)**



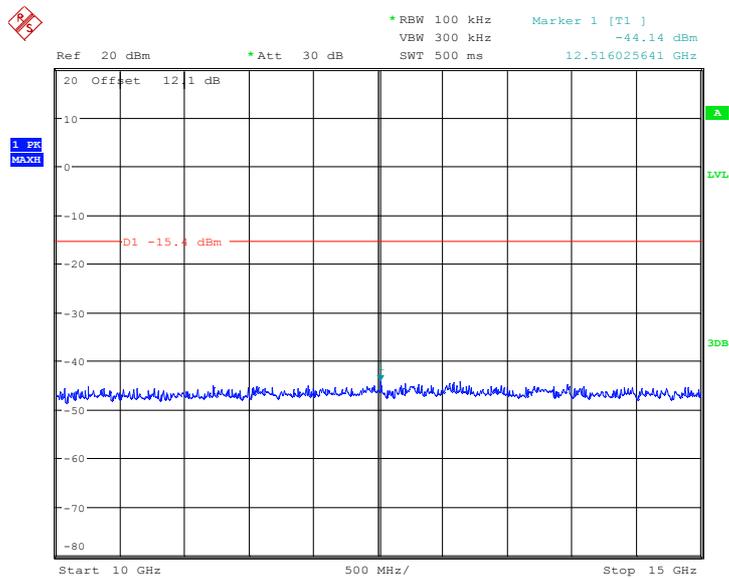
Date: 23.MAY.2013 18:08:22

**Fig.A.6.1.28 Conducted Spurious Emission (802.11g, Ch1, 2.5 GHz-7.5 GHz)**



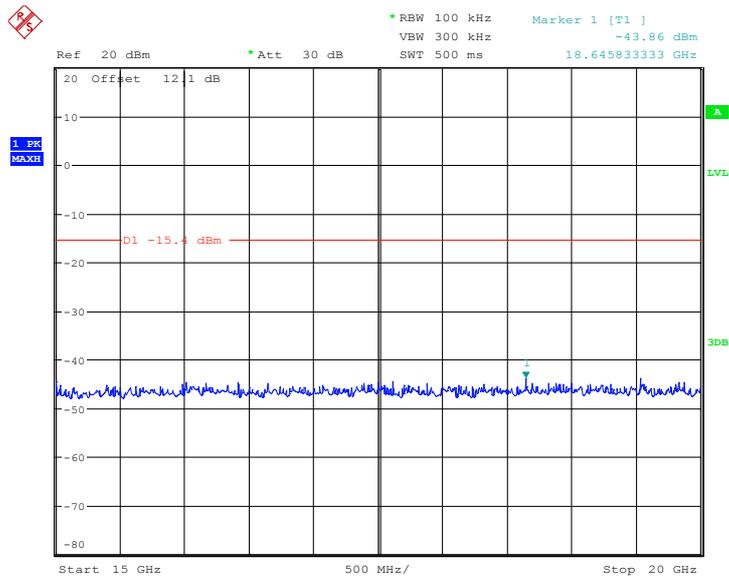
Date: 23.MAY.2013 18:08:42

**Fig.A.6.1.29 Conducted Spurious Emission (802.11g, Ch1, 7.5 GHz-10 GHz)**



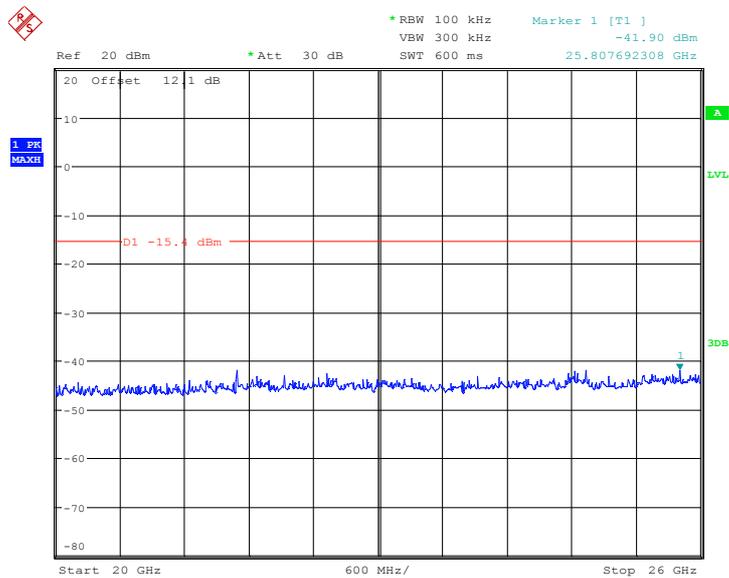
Date: 23.MAY.2013 18:09:04

**Fig.A.6.1.30 Conducted Spurious Emission (802.11g, Ch1, 10 GHz-15 GHz)**



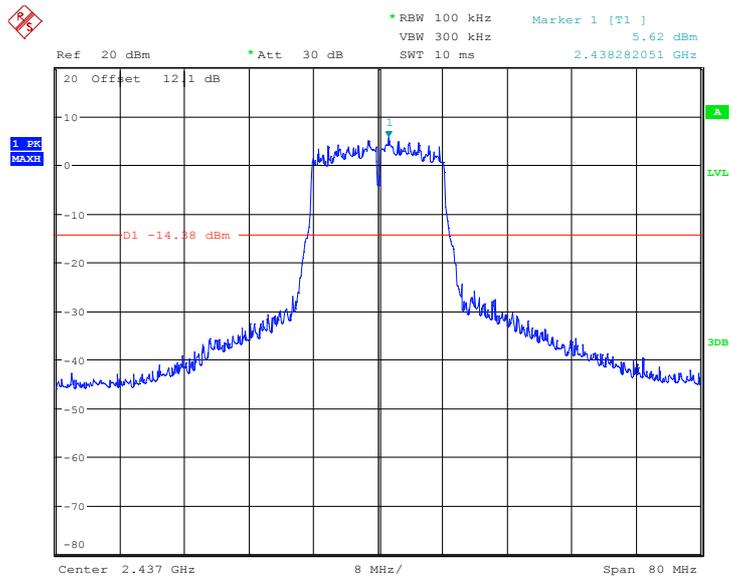
Date: 23.MAY.2013 18:09:18

**Fig.A.6.1.31 Conducted Spurious Emission (802.11g, Ch1, 15 GHz-20 GHz)**



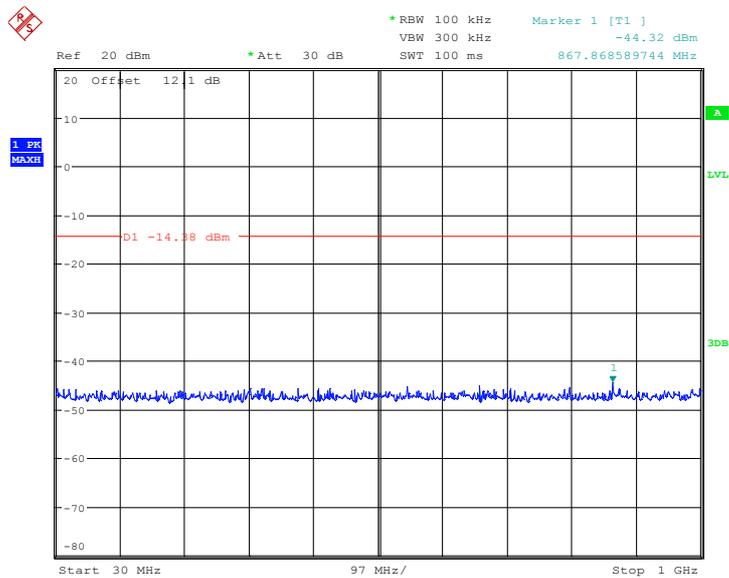
Date: 23.MAY.2013 18:09:41

**Fig.A.6.1.32 Conducted Spurious Emission (802.11g, Ch1, 20 GHz-26 GHz)**



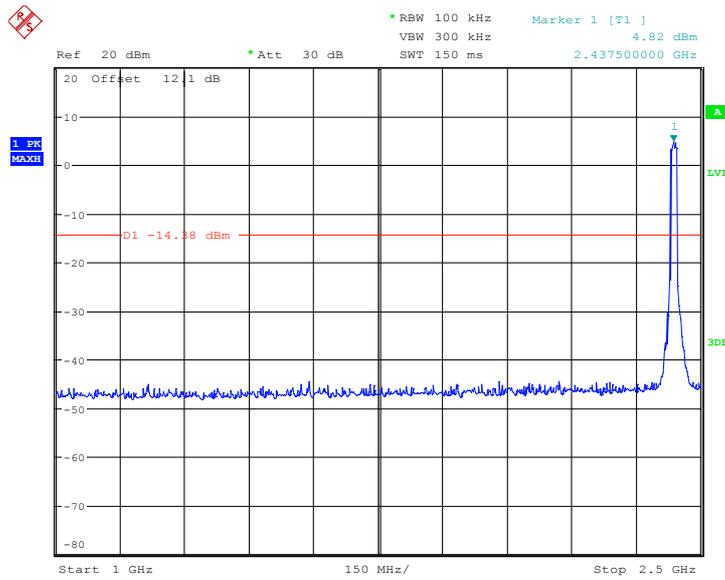
Date: 23.MAY.2013 18:11:41

**Fig.A.6.1.33 Conducted Spurious Emission (802.11g, Ch6, Center Frequency)**



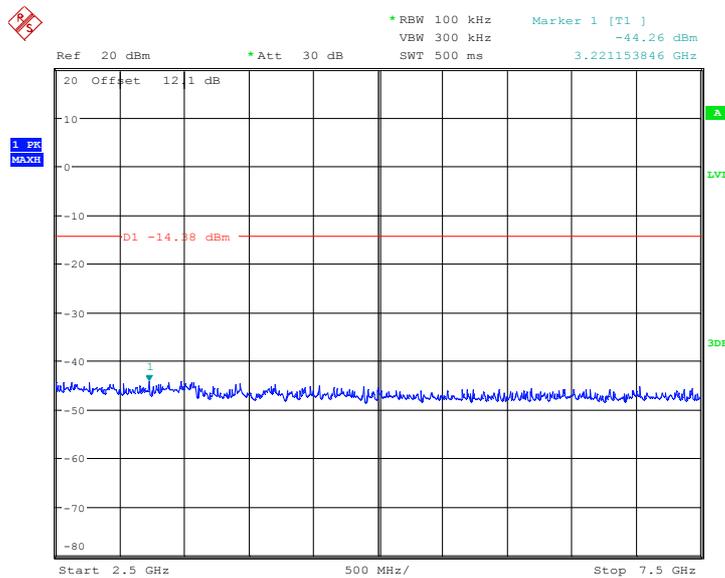
Date: 23.MAY.2013 18:12:06

**Fig.A.6.1.34 Conducted Spurious Emission (802.11g, Ch6, 30 MHz-1 GHz)**



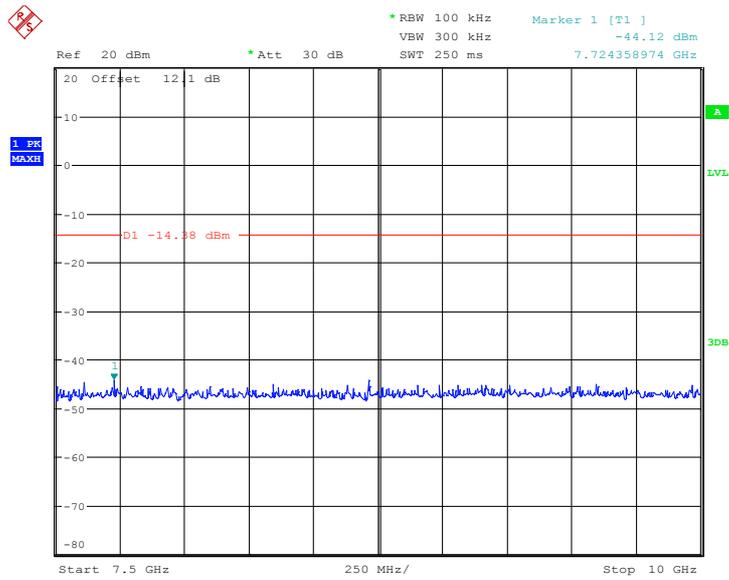
Date: 23.MAY.2013 18:12:26

**Fig.A.6.1.35 Conducted Spurious Emission (802.11g, Ch6, 1 GHz-2.5 GHz)**



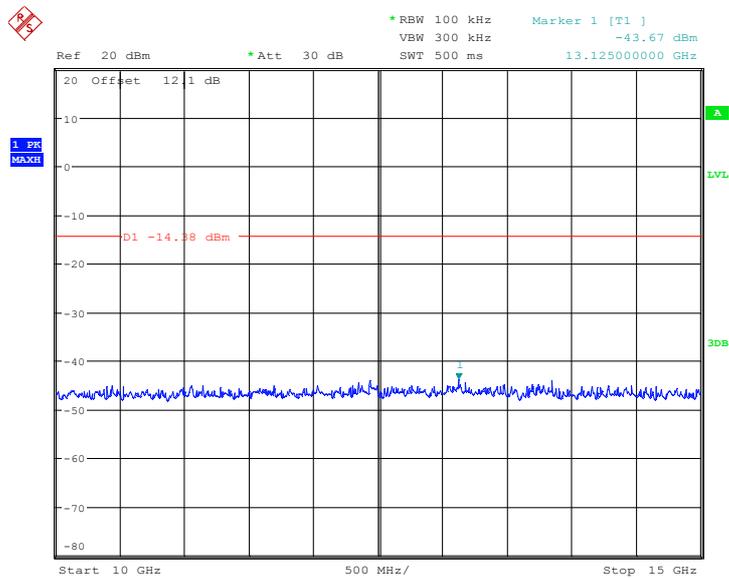
Date: 23.MAY.2013 18:12:47

**Fig.A.6.1.36 Conducted Spurious Emission (802.11g, Ch6, 2.5 GHz-7.5 GHz)**



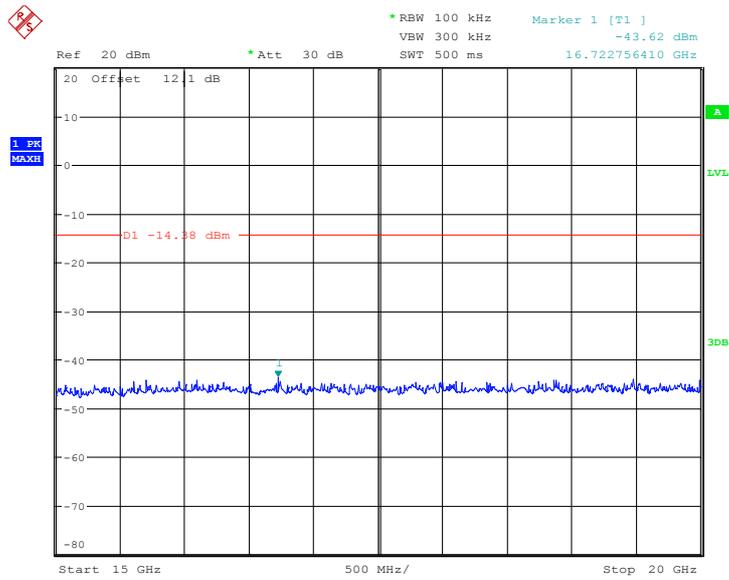
Date: 23.MAY.2013 18:13:14

**Fig.A.6.1.37 Conducted Spurious Emission (802.11g, Ch6, 7.5 GHz-10 GHz)**



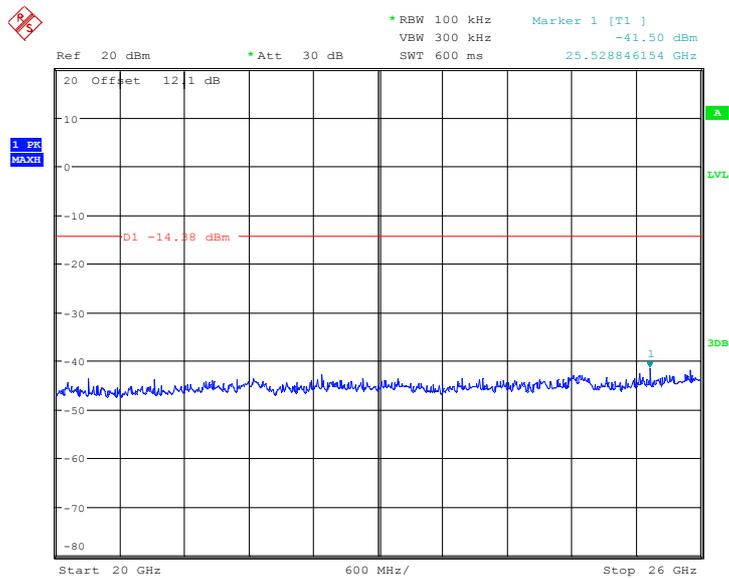
Date: 23.MAY.2013 18:13:36

**Fig.A.6.1.38 Conducted Spurious Emission (802.11g, Ch6, 10 GHz-15 GHz)**



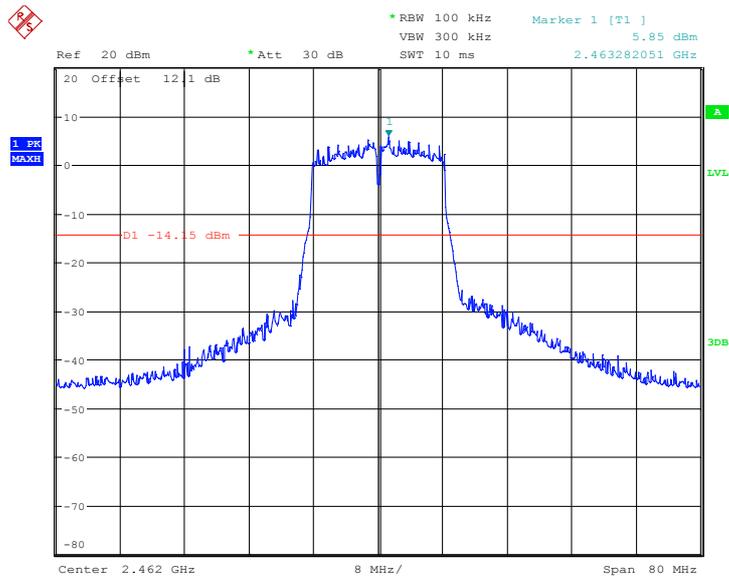
Date: 23.MAY.2013 18:14:01

**Fig.A.6.1.39 Conducted Spurious Emission (802.11g, Ch6, 15 GHz-20 GHz)**



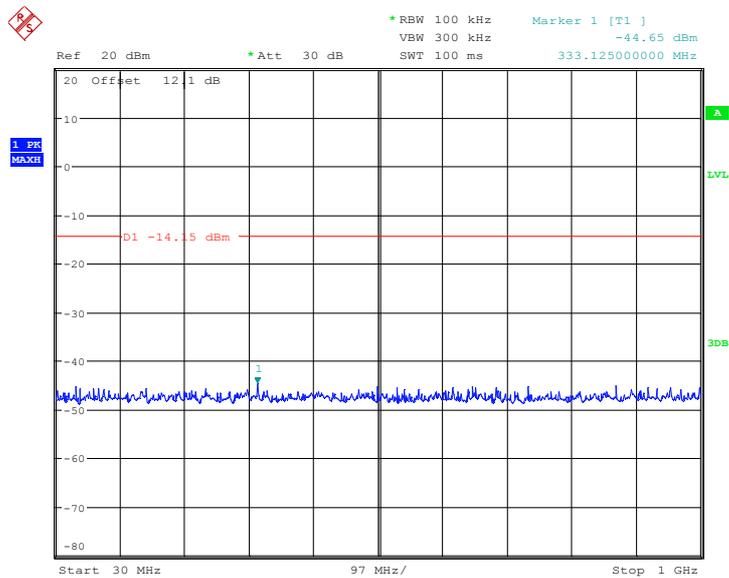
Date: 23.MAY.2013 18:14:20

**Fig.A.6.1.40 Conducted Spurious Emission (802.11g, Ch6, 20 GHz-26 GHz)**



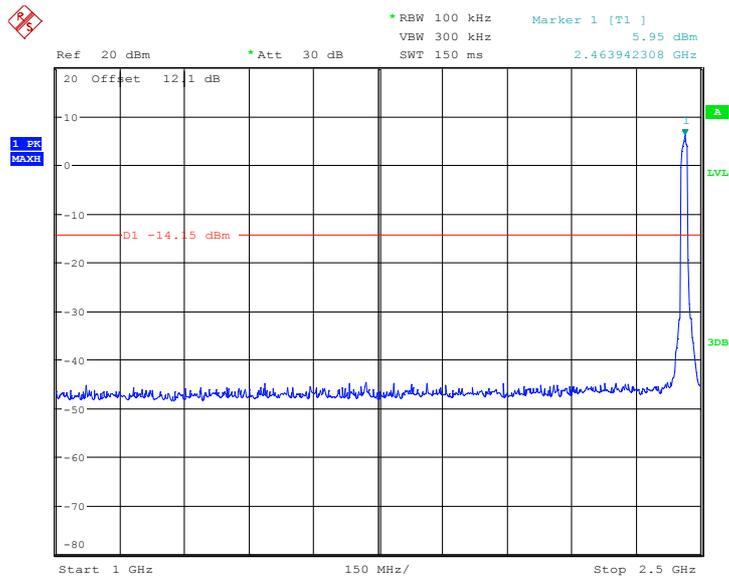
Date: 23.MAY.2013 18:15:31

**Fig.A.6.1.41 Conducted Spurious Emission (802.11g, Ch11, Center Frequency)**



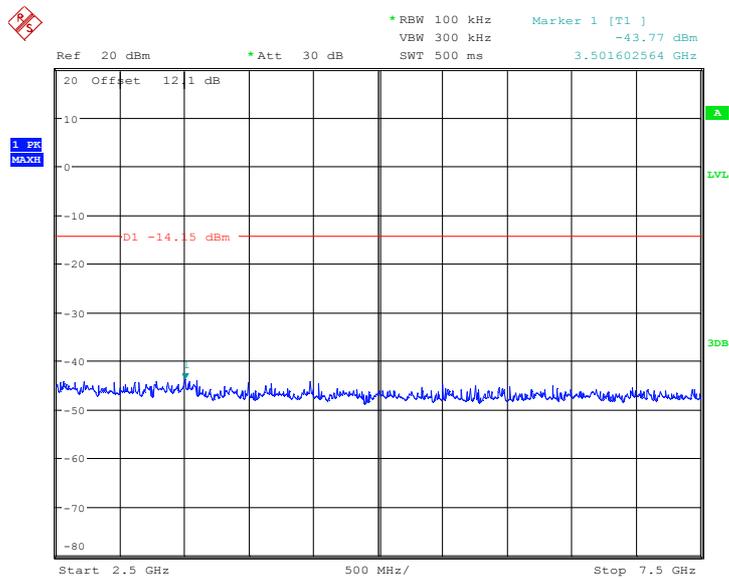
Date: 23.MAY.2013 18:15:48

**Fig.A.6.1.42 Conducted Spurious Emission (802.11g, Ch11, 30 MHz-1 GHz)**



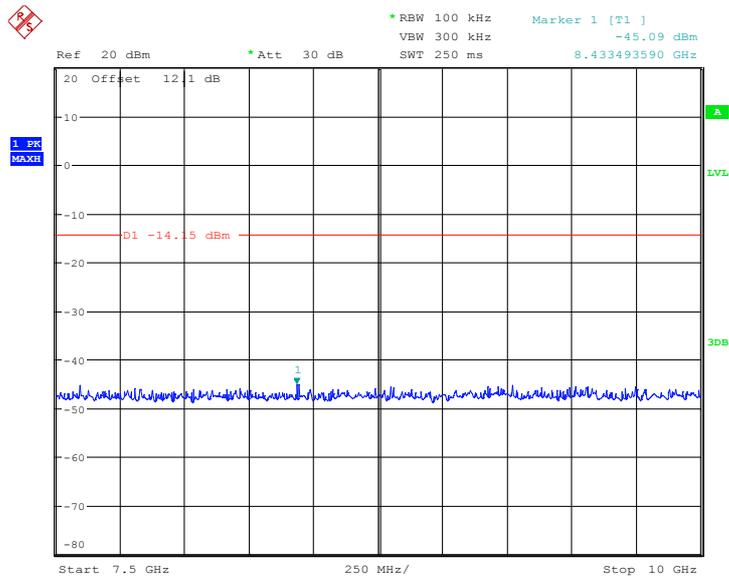
Date: 23.MAY.2013 18:19:56

**Fig.A.6.1.43 Conducted Spurious Emission (802.11g, Ch11, 1 GHz-2.5 GHz)**



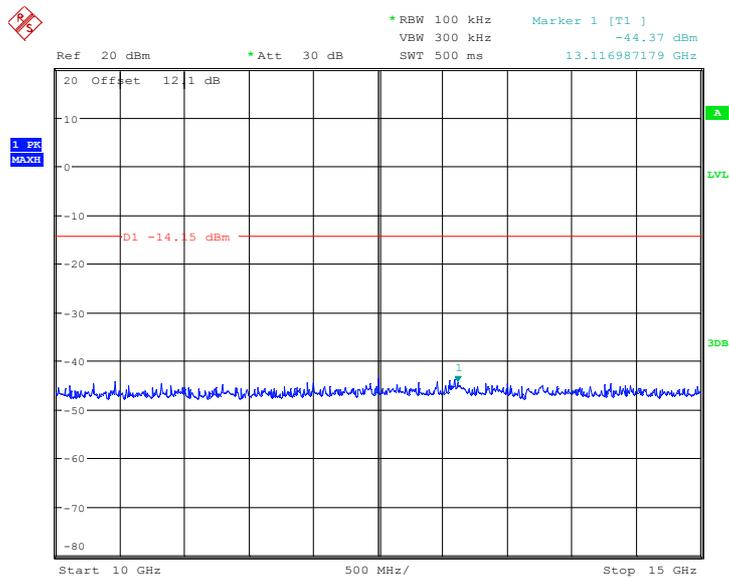
Date: 23.MAY.2013 18:19:32

**Fig.A.6.1.44 Conducted Spurious Emission (802.11g, Ch11, 2.5 GHz-7.5 GHz)**



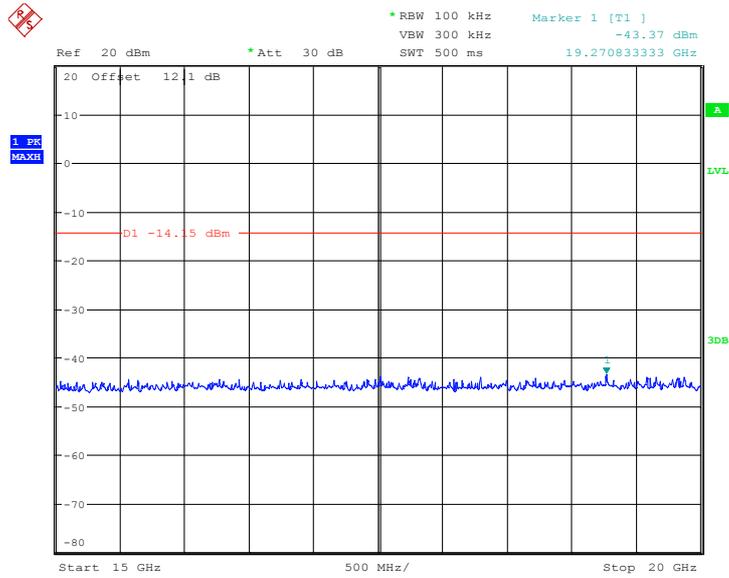
Date: 23.MAY.2013 18:19:03

**Fig.A.6.1.45 Conducted Spurious Emission (802.11g, Ch11, 7.5 GHz-10 GHz)**



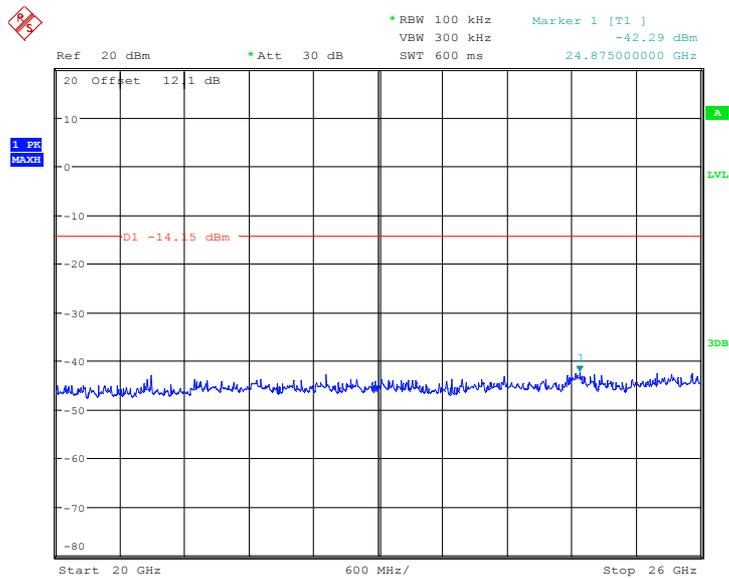
Date: 23.MAY.2013 18:18:37

**Fig.A.6.1.46 Conducted Spurious Emission (802.11g, Ch11, 10 GHz-15 GHz)**



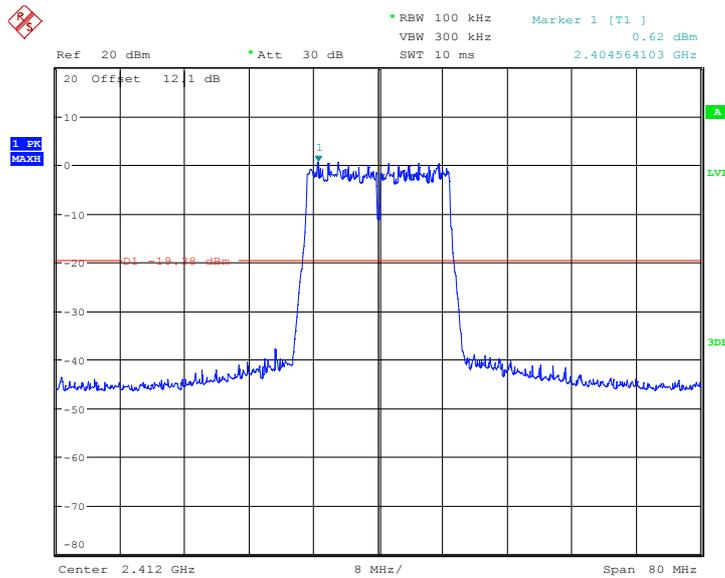
Date: 23.MAY.2013 18:17:48

**Fig.A.6.1.47 Conducted Spurious Emission (802.11g, Ch11, 15 GHz-20 GHz)**



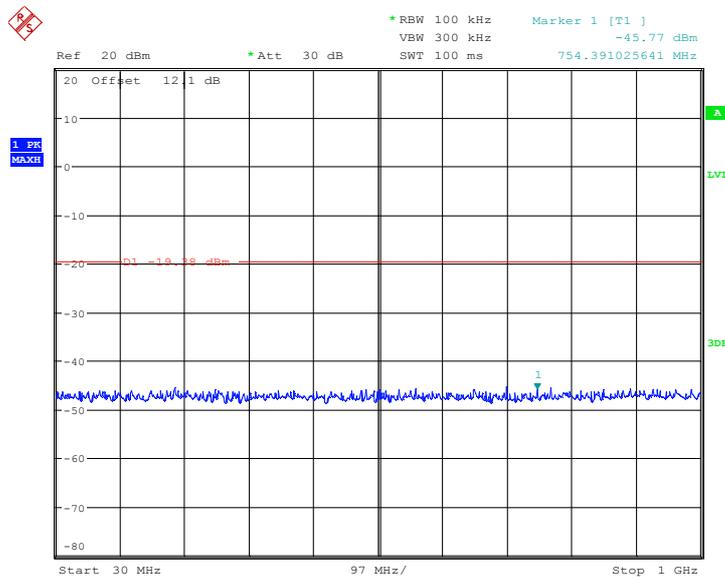
Date: 23.MAY.2013 18:18:07

**Fig.A.6.1.48 Conducted Spurious Emission (802.11g, Ch11, 20 GHz-26 GHz)**



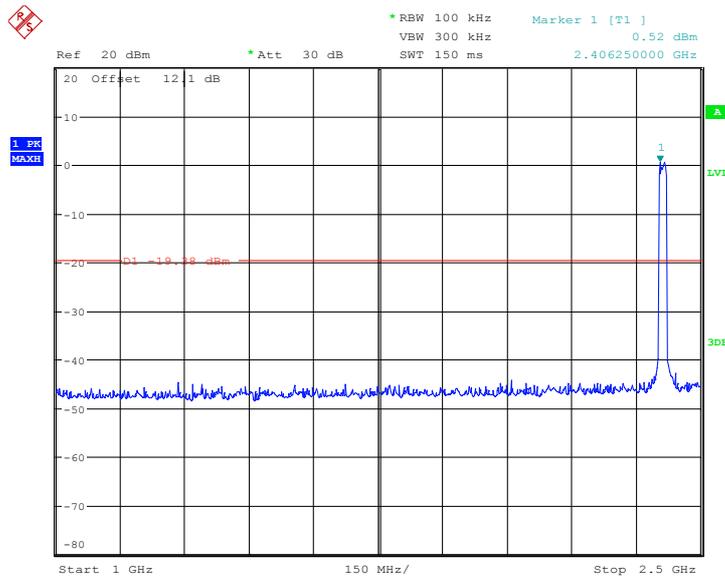
Date: 23.MAY.2013 18:22:27

**Fig.A.6.1.49 Conducted Spurious Emission (802.11n-HT20, Ch1, Center Frequency)**



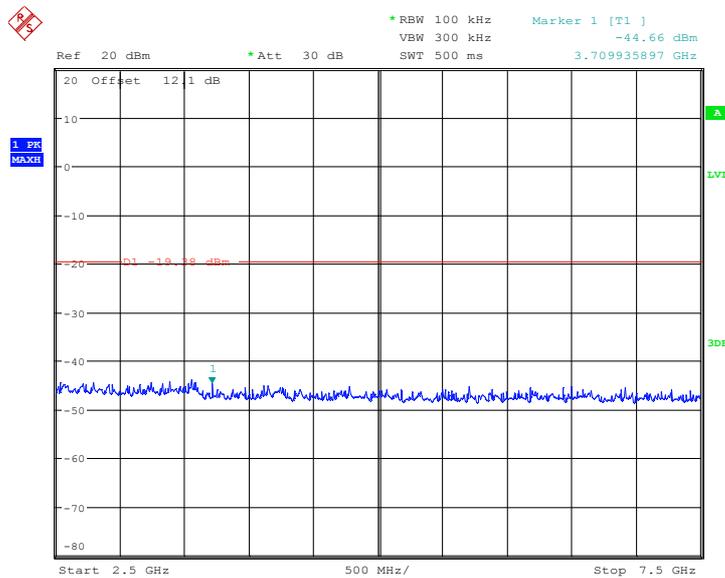
Date: 23.MAY.2013 18:22:46

**Fig.A.6.1.50 Conducted Spurious Emission (802.11n-HT20, Ch1, 30 MHz-1 GHz)**



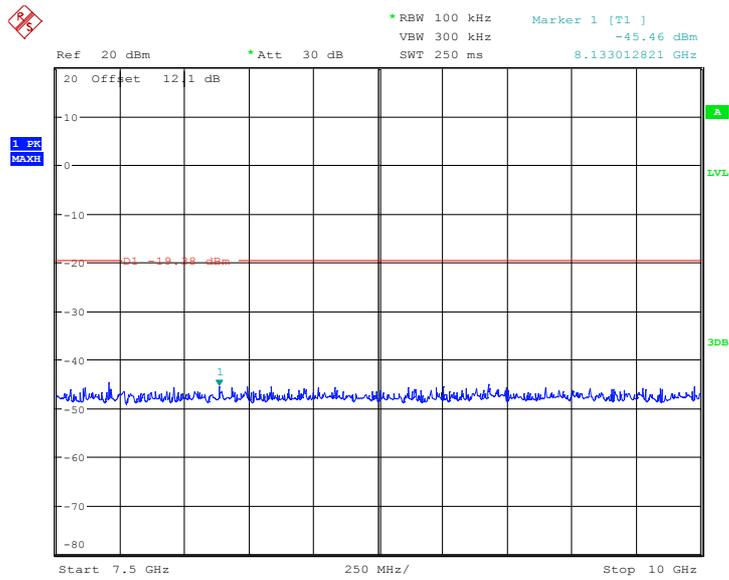
Date: 23.MAY.2013 18:23:07

**Fig.A.6.1.51 Conducted Spurious Emission (802.11n-HT20, Ch1, 1 GHz-2.5 GHz)**



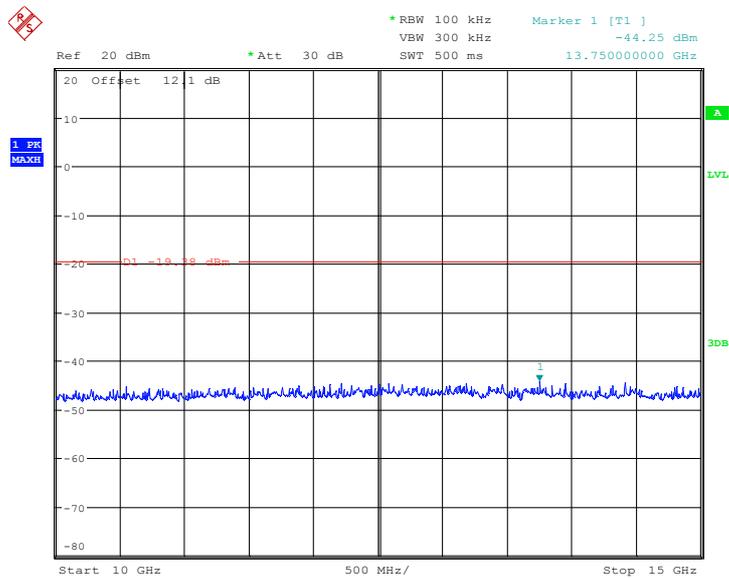
Date: 23.MAY.2013 18:24:12

**Fig.A.6.1.52 Conducted Spurious Emission (802.11n-HT20, Ch1, 2.5 GHz-7.5 GHz)**



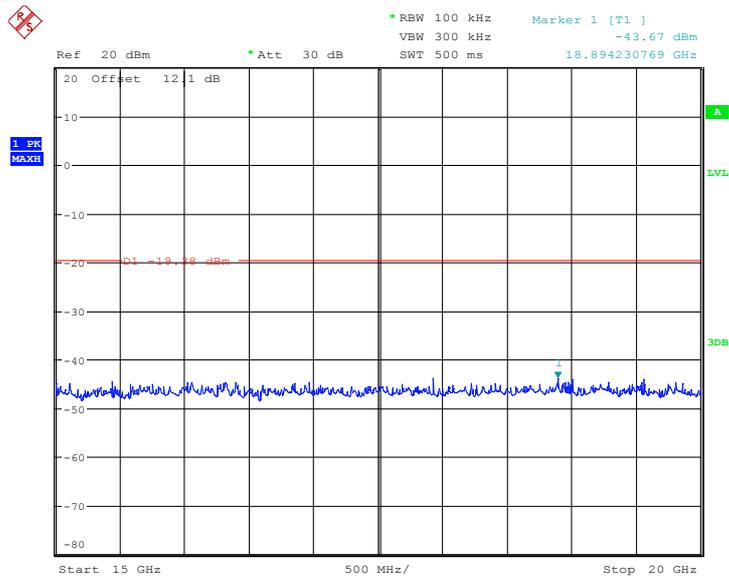
Date: 23.MAY.2013 18:24:45

**Fig.A.6.1.53 Conducted Spurious Emission (802.11n-HT20, Ch1, 7.5 GHz-10 GHz)**



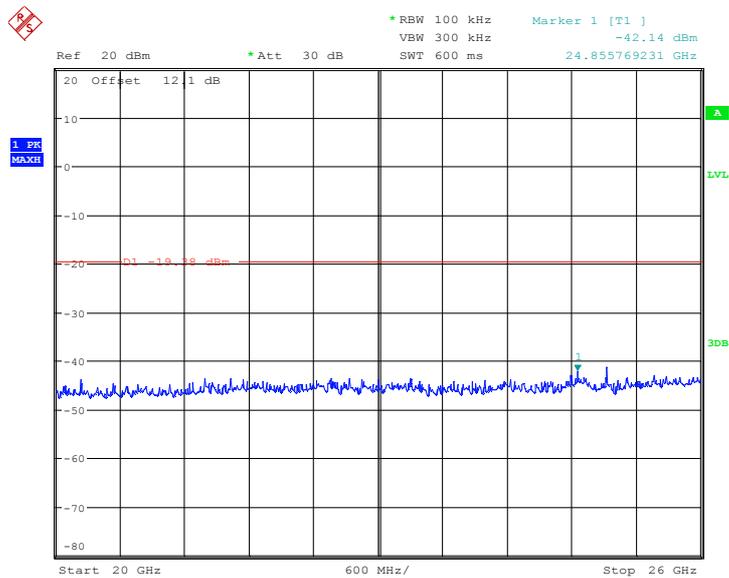
Date: 23.MAY.2013 18:25:02

**Fig.A.6.1.54 Conducted Spurious Emission (802.11n-HT20, Ch1, 10 GHz-15 GHz)**



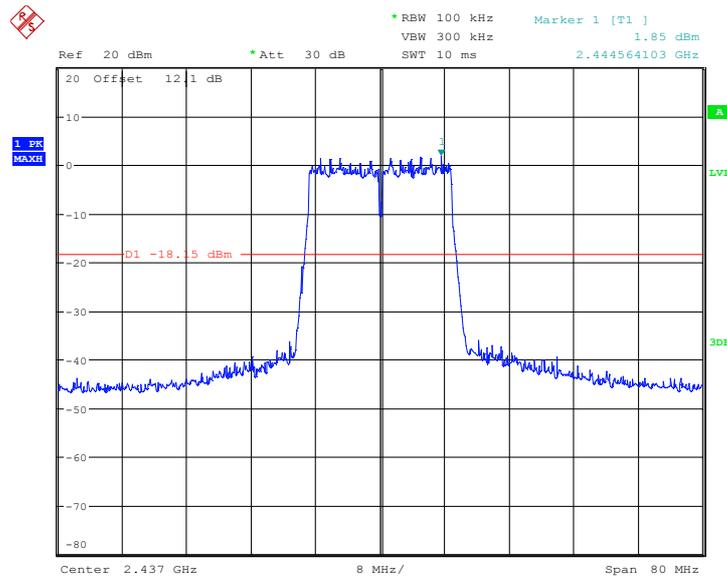
Date: 23.MAY.2013 18:25:17

**Fig.A.6.1.55 Conducted Spurious Emission (802.11n-HT20, Ch1, 15 GHz-20 GHz)**



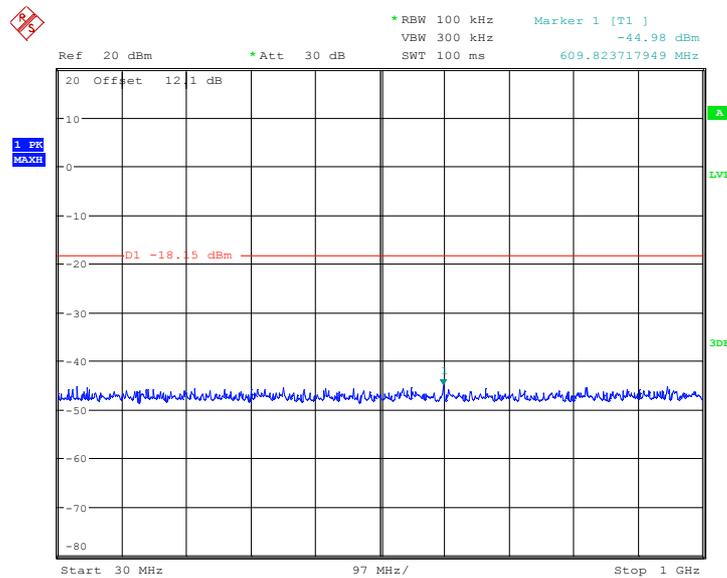
Date: 23.MAY.2013 18:25:30

**Fig.A.6.1.56 Conducted Spurious Emission (802.11n-HT20, Ch1, 20 GHz-26 GHz)**



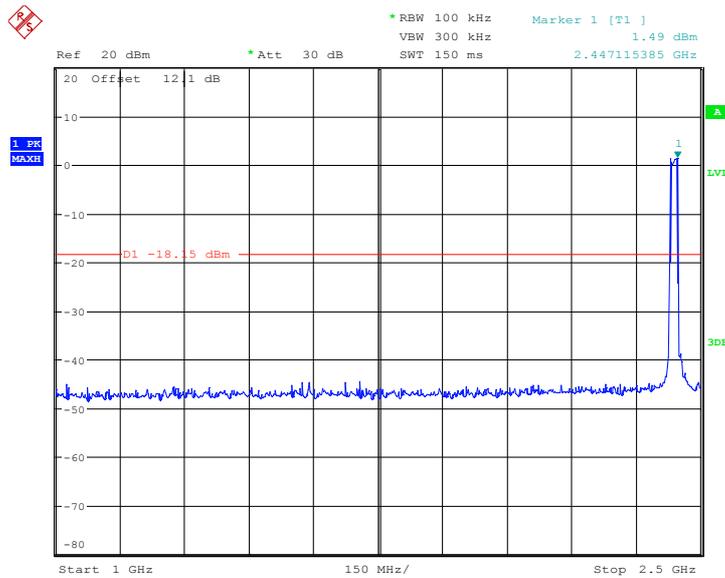
Date: 23.MAY.2013 18:26:17

**Fig.A.6.1.57 Conducted Spurious Emission (802.11n-HT20, Ch6, Center Frequency)**



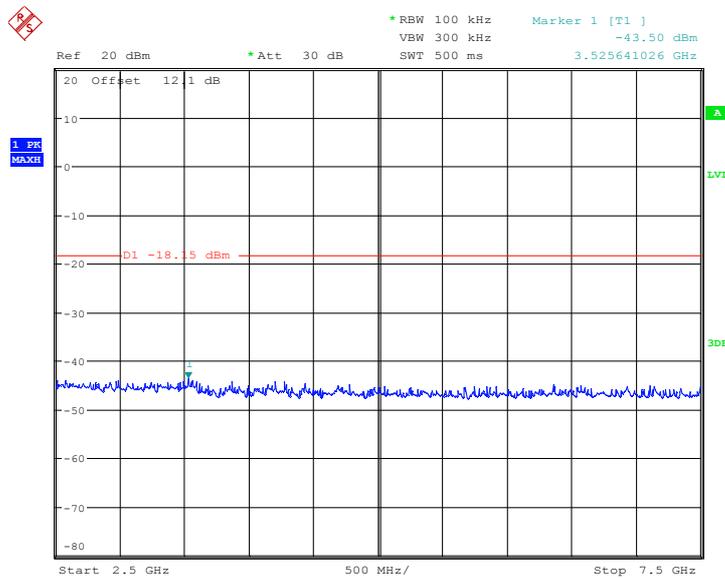
Date: 23.MAY.2013 18:26:43

**Fig.A.6.1.58 Conducted Spurious Emission (802.11n-HT20, Ch6, 30 MHz-1 GHz)**



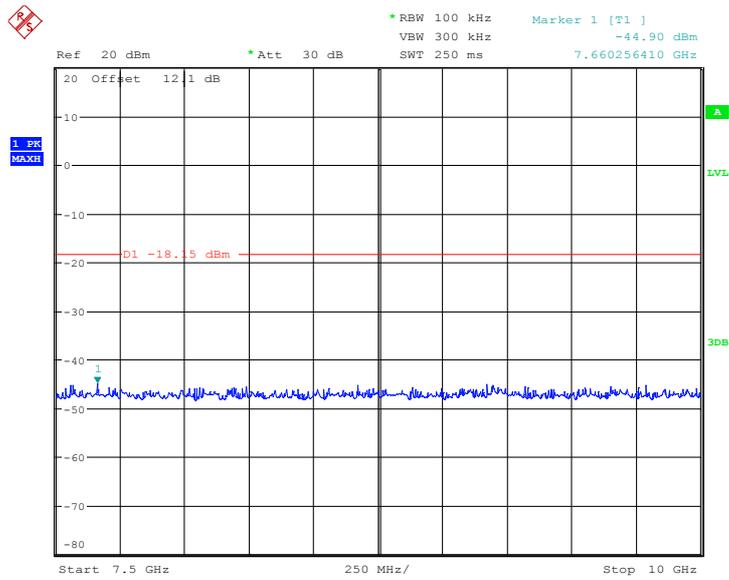
Date: 23.MAY.2013 18:27:01

**Fig.A.6.1.59 Conducted Spurious Emission (802.11n-HT20, Ch6, 1 GHz-2.5 GHz)**



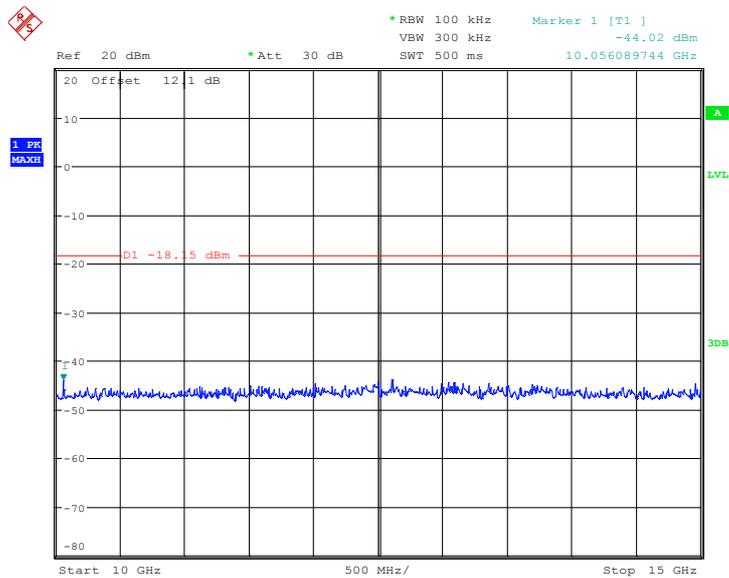
Date: 23.MAY.2013 18:27:54

**Fig.A.6.1.60 Conducted Spurious Emission (802.11n-HT20, Ch6, 2.5 GHz-7.5 GHz)**



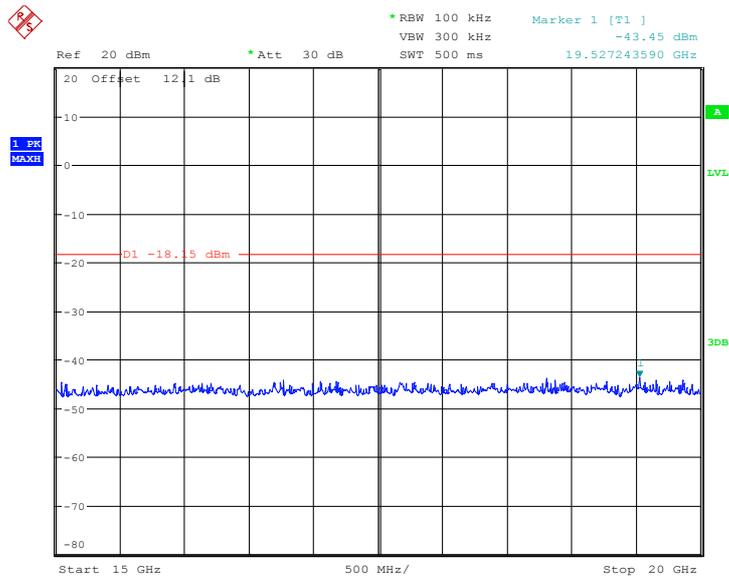
Date: 23.MAY.2013 18:28:19

**Fig.A.6.1.61 Conducted Spurious Emission (802.11n-HT20, Ch6, 7.5 GHz-10 GHz)**



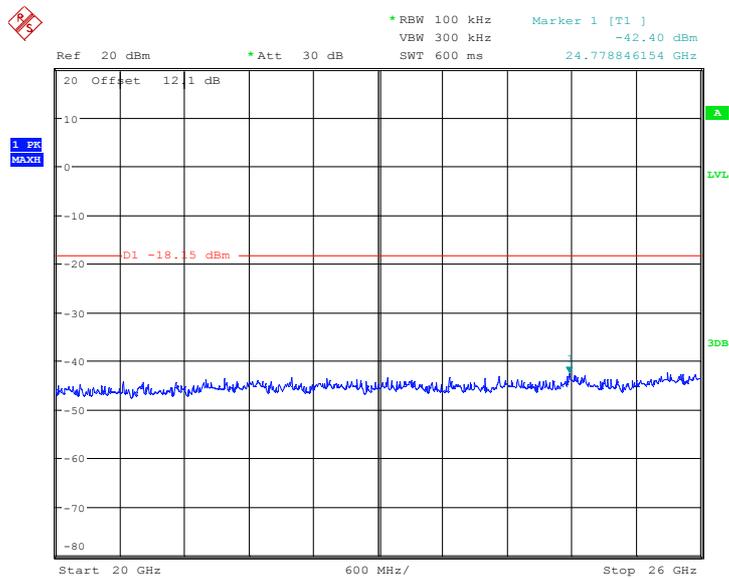
Date: 23.MAY.2013 18:28:40

**Fig.A.6.1.62 Conducted Spurious Emission (802.11n-HT20, Ch6, 10 GHz-15 GHz)**



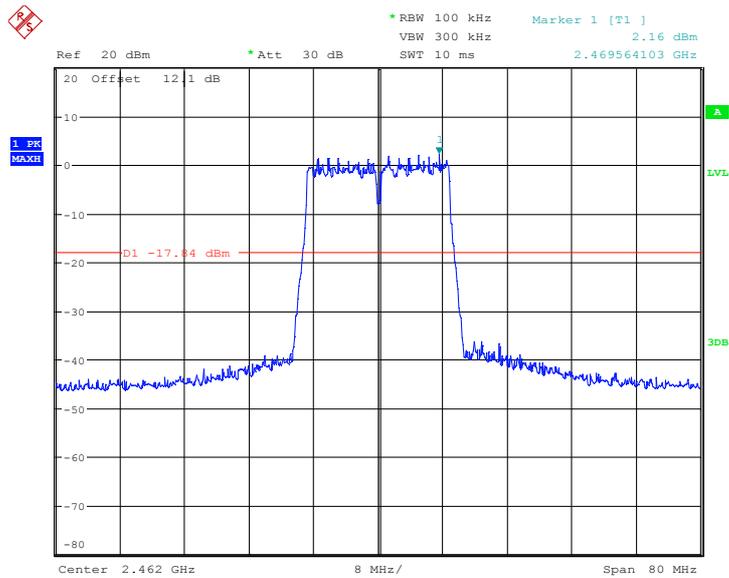
Date: 23.MAY.2013 18:28:59

**Fig.A.6.1.63 Conducted Spurious Emission (802.11n-HT20, Ch6, 15 GHz-20 GHz)**



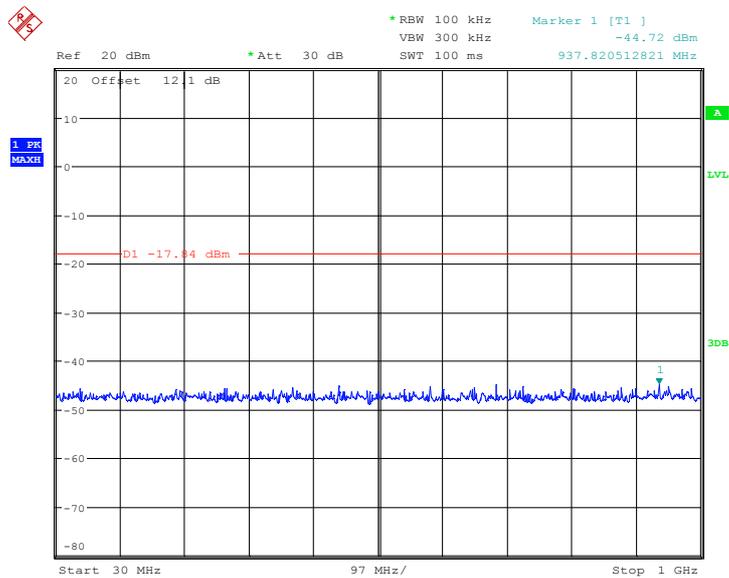
Date: 23.MAY.2013 18:29:19

**Fig.A.6.1.64 Conducted Spurious Emission (802.11n-HT20, Ch6, 20 GHz-26 GHz)**



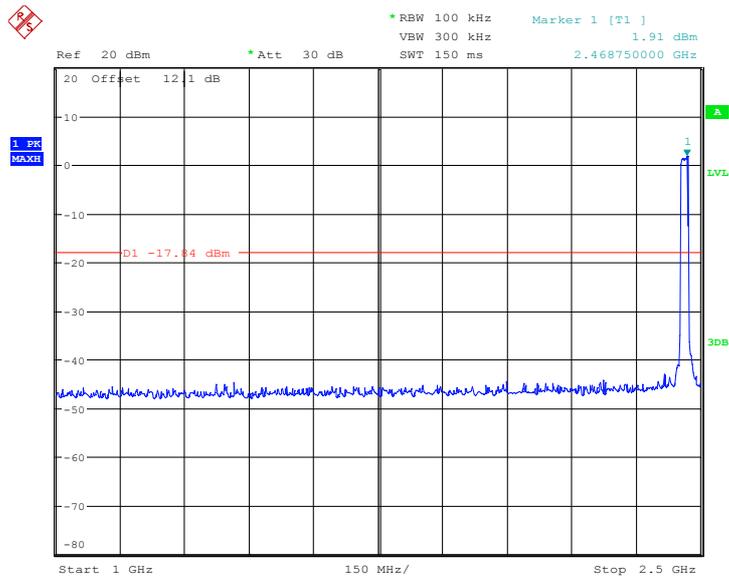
Date: 23.MAY.2013 18:30:30

**Fig.A.6.1.65 Conducted Spurious Emission (802.11n-HT20, Ch11, Center Frequency)**



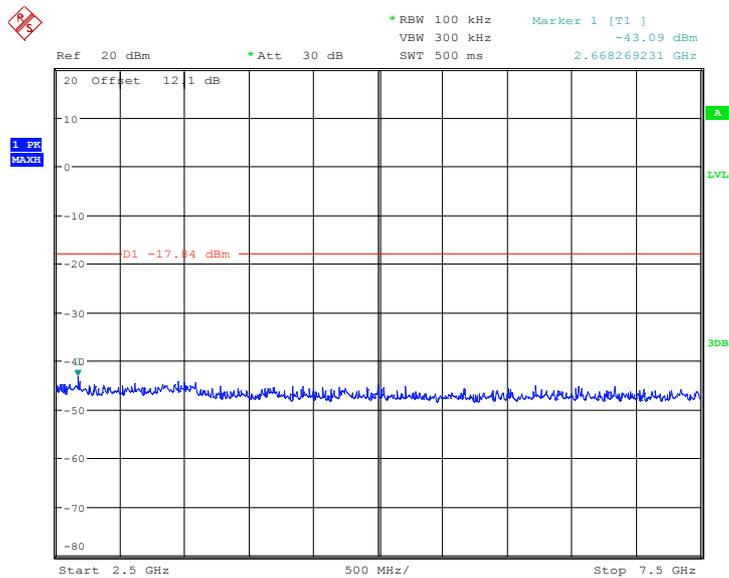
Date: 23.MAY.2013 18:30:49

**Fig.A.6.1.66 Conducted Spurious Emission (802.11n-HT20, Ch11, 30 MHz-1 GHz)**



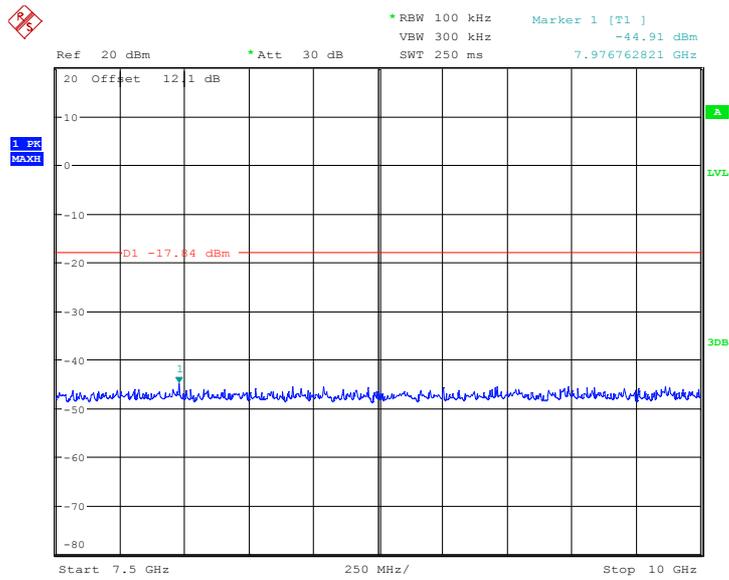
Date: 23.MAY.2013 18:31:14

**Fig.A.6.1.67 Conducted Spurious Emission (802.11n-HT20, Ch11, 1 GHz-2.5 GHz)**



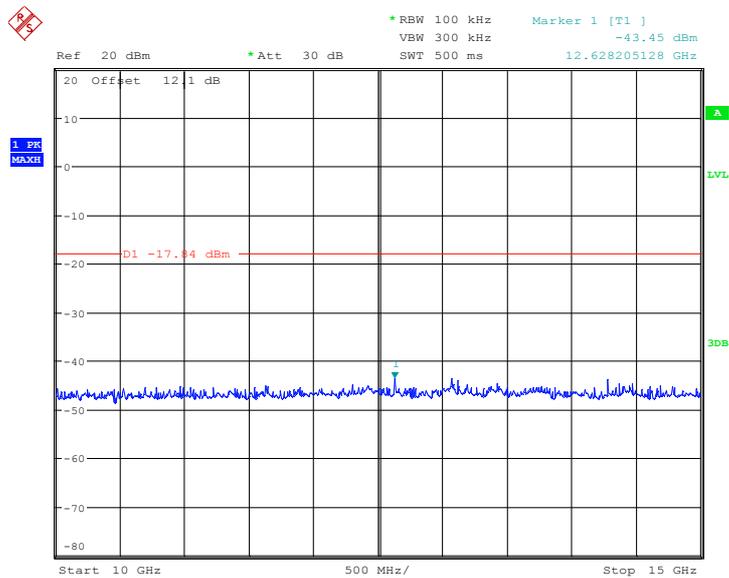
Date: 23.MAY.2013 18:31:37

**Fig.A.6.1.68 Conducted Spurious Emission (802.11n-HT20, Ch11, 2.5 GHz-7.5 GHz)**



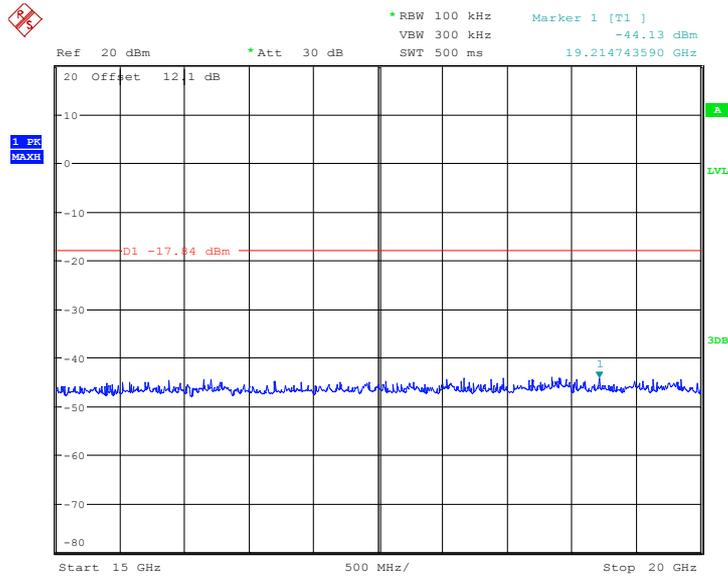
Date: 23.MAY.2013 18:31:55

**Fig.A.6.1.69 Conducted Spurious Emission (802.11n-HT20, Ch11, 7.5 GHz-10 GHz)**



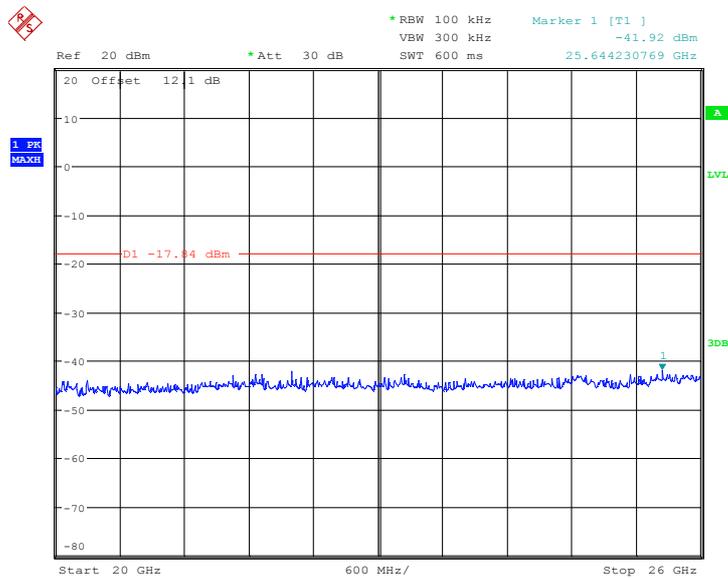
Date: 23.MAY.2013 18:32:17

**Fig.A.6.1.70 Conducted Spurious Emission (802.11n-HT20, Ch11, 10 GHz-15 GHz)**



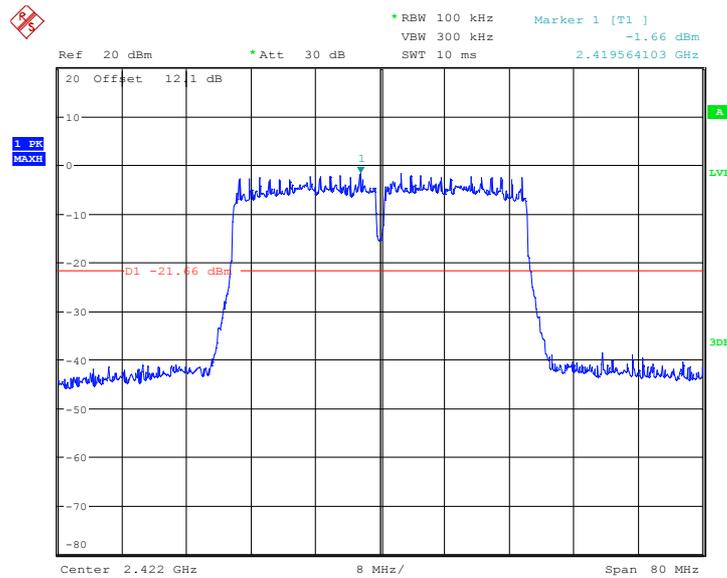
Date: 23.MAY.2013 18:32:34

**Fig.A.6.1.71 Conducted Spurious Emission (802.11n-HT20, Ch11, 15 GHz-20 GHz)**



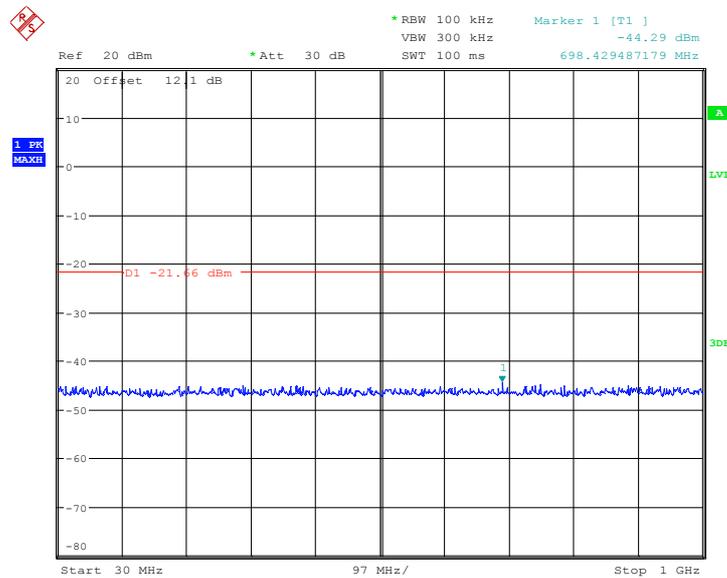
Date: 23.MAY.2013 18:33:05

**Fig.A.6.1.72 Conducted Spurious Emission (802.11n-HT20, Ch11, 20 GHz-26 GHz)**



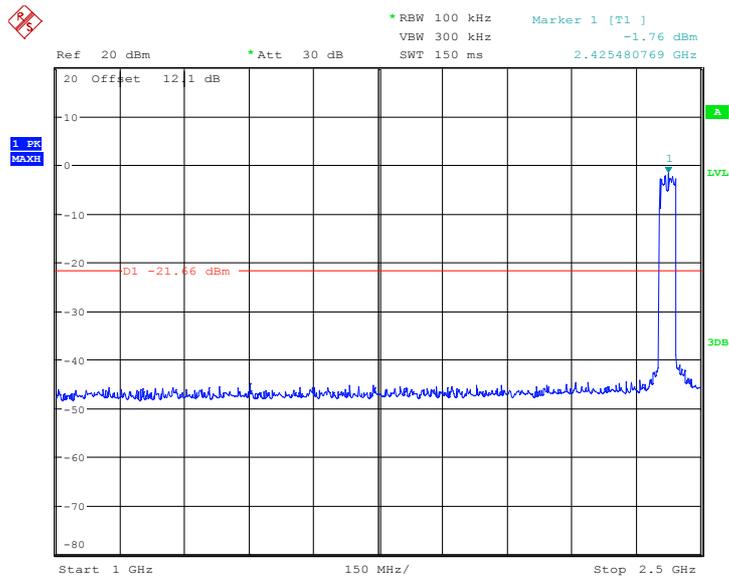
Date: 23.MAY.2013 18:42:06

**Fig.A.6.1.73 Conducted Spurious Emission (802.11n-HT40, Ch3, Center Frequency)**



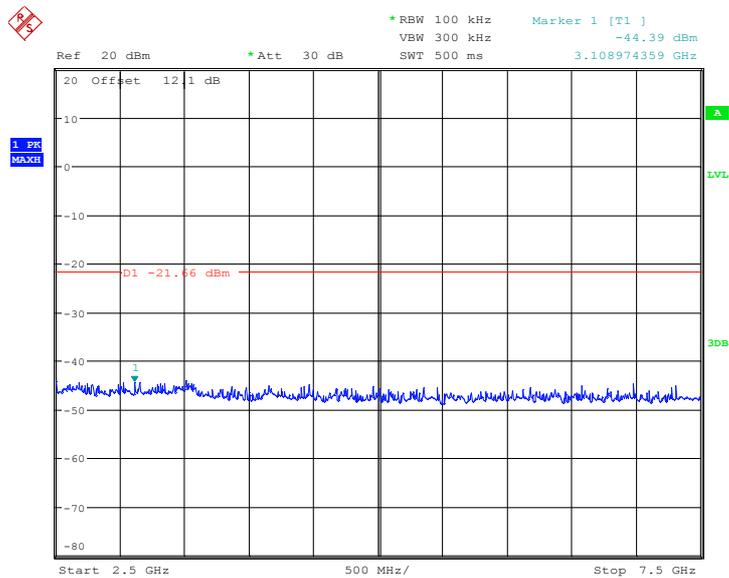
Date: 23.MAY.2013 18:44:17

**Fig.A.6.1.74 Conducted Spurious Emission (802.11n-HT40, Ch3, 30 MHz-1 GHz)**



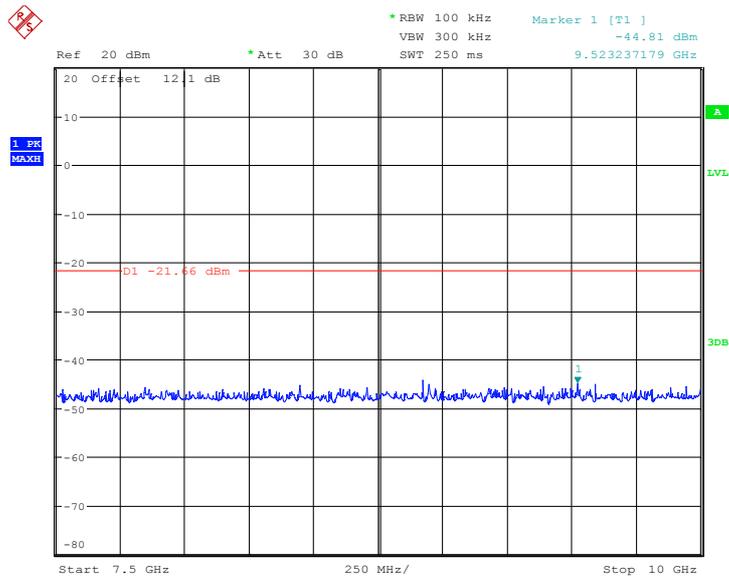
Date: 23.MAY.2013 18:44:33

**Fig.A.6.1.75 Conducted Spurious Emission (802.11n-HT40, Ch3, 1 GHz-2.5 GHz)**



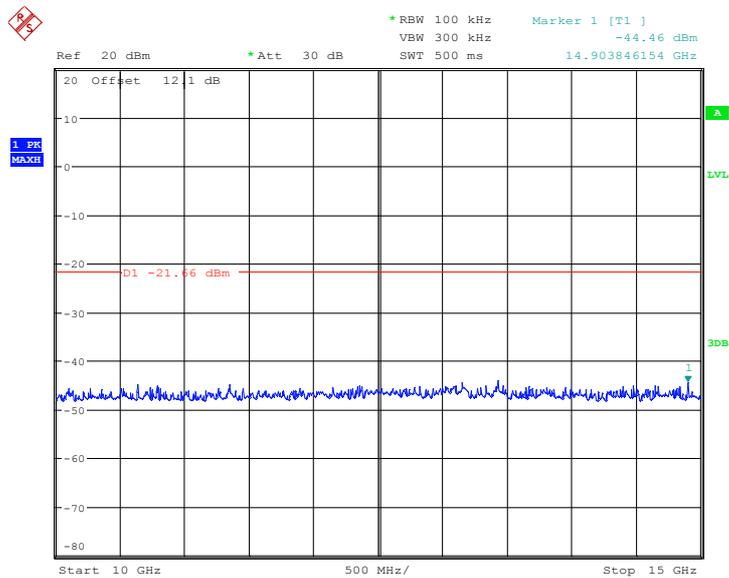
Date: 23.MAY.2013 18:44:50

**Fig.A.6.1.76 Conducted Spurious Emission (802.11n-HT40, Ch3, 2.5 GHz-7.5 GHz)**



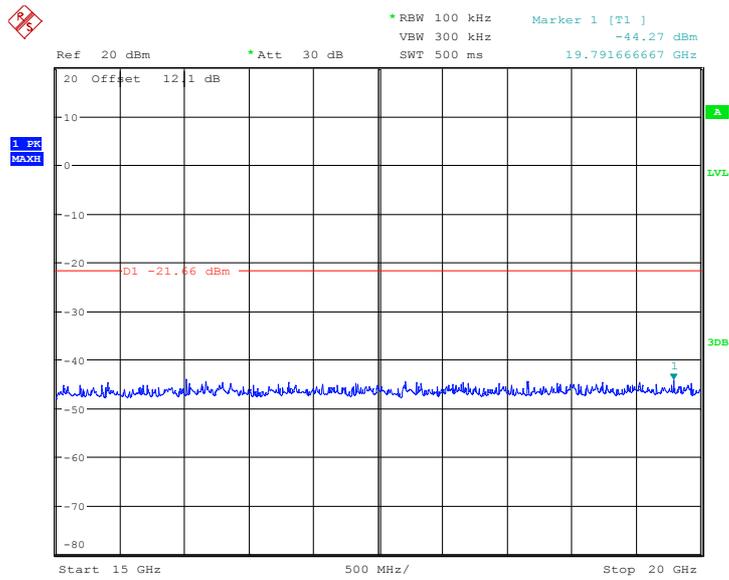
Date: 23.MAY.2013 18:45:10

**Fig.A.6.1.77 Conducted Spurious Emission (802.11n-HT40, Ch3, 7.5 GHz-10 GHz)**



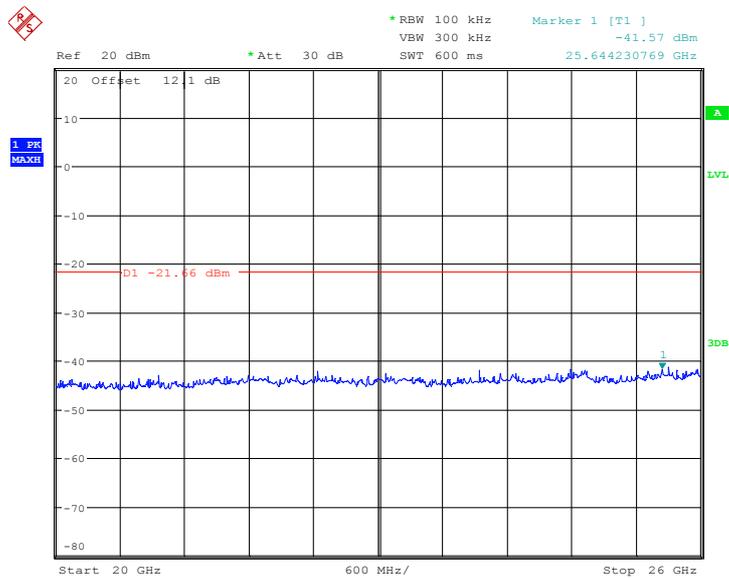
Date: 23.MAY.2013 18:45:30

**Fig.A.6.1.78 Conducted Spurious Emission (802.11n-HT40, Ch3, 10 GHz-15 GHz)**



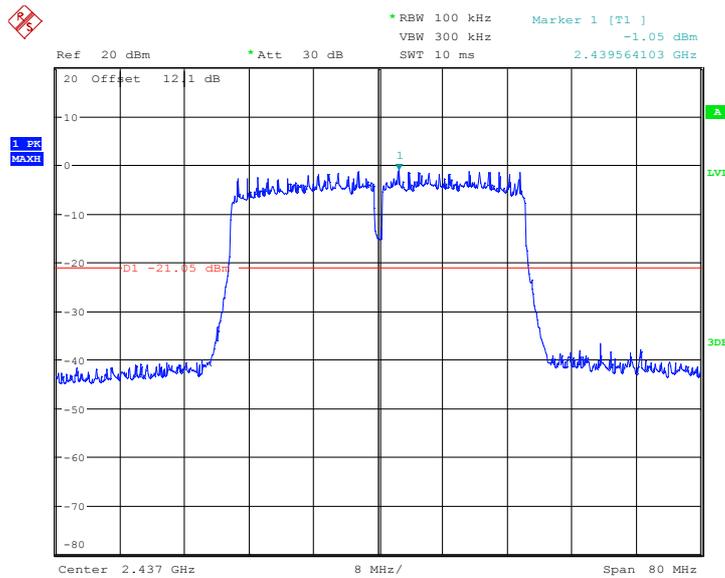
Date: 23.MAY.2013 18:45:45

**Fig.A.6.1.79 Conducted Spurious Emission (802.11n-HT40, Ch3, 15 GHz-20 GHz)**



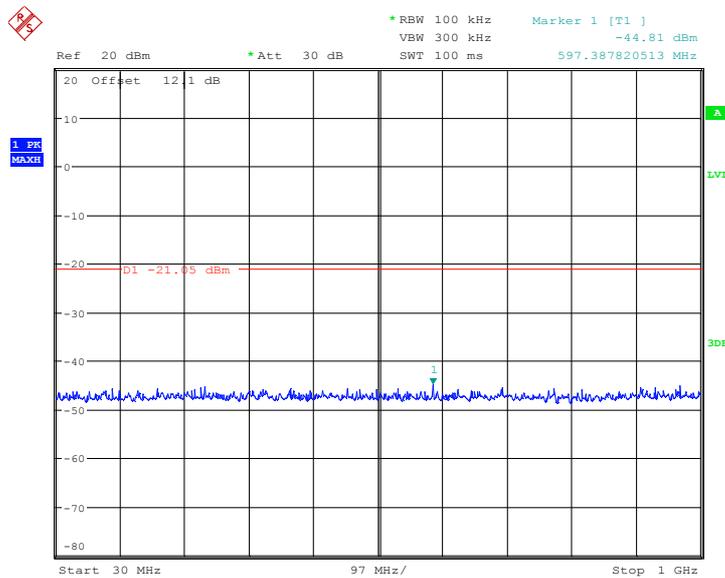
Date: 23.MAY.2013 18:48:43

**Fig.A.6.1.80 Conducted Spurious Emission (802.11n-HT40, Ch3, 20 GHz-26 GHz)**



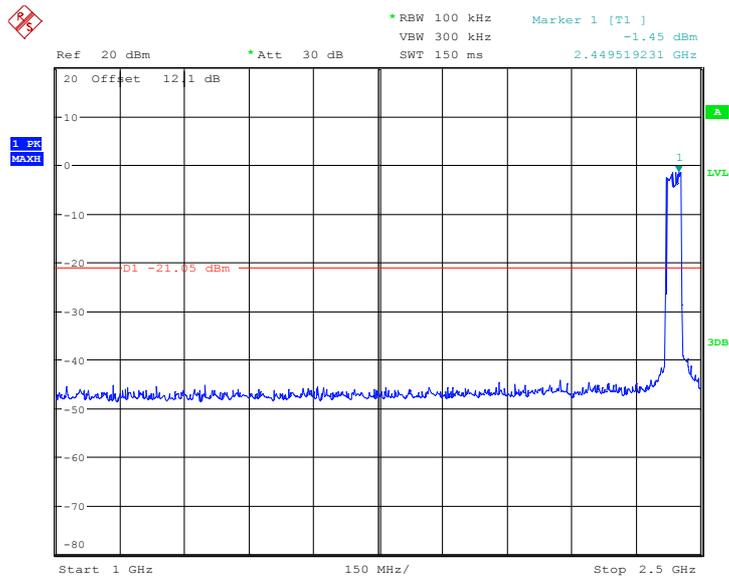
Date: 23.MAY.2013 18:49:34

**Fig.A.6.1.81 Conducted Spurious Emission (802.11n-HT40, Ch6, Center Frequency)**



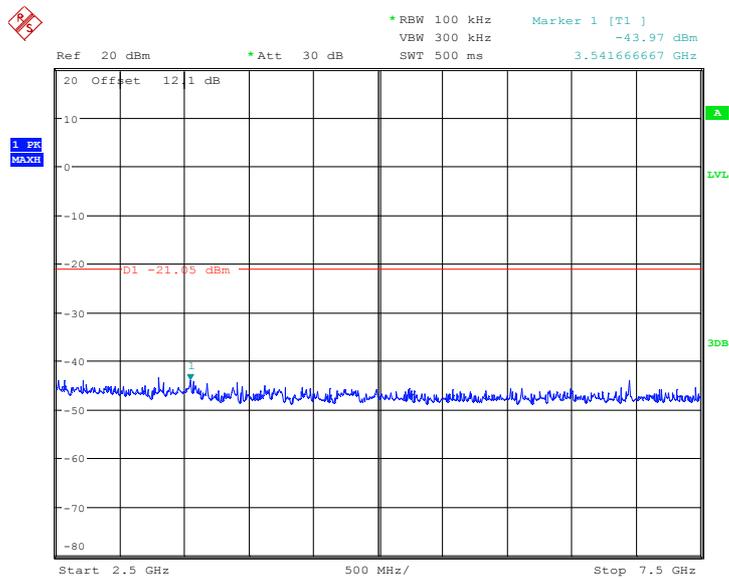
Date: 23.MAY.2013 18:49:56

**Fig.A.6.1.82 Conducted Spurious Emission (802.11n-HT40, Ch6, 30 MHz-1 GHz)**



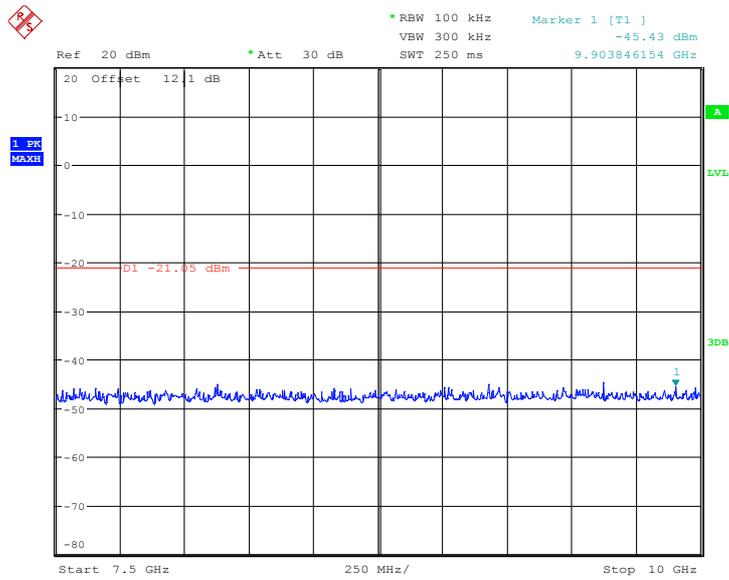
Date: 23.MAY.2013 18:50:12

**Fig.A.6.1.83 Conducted Spurious Emission (802.11n-HT40, Ch6, 1 GHz-2.5 GHz)**



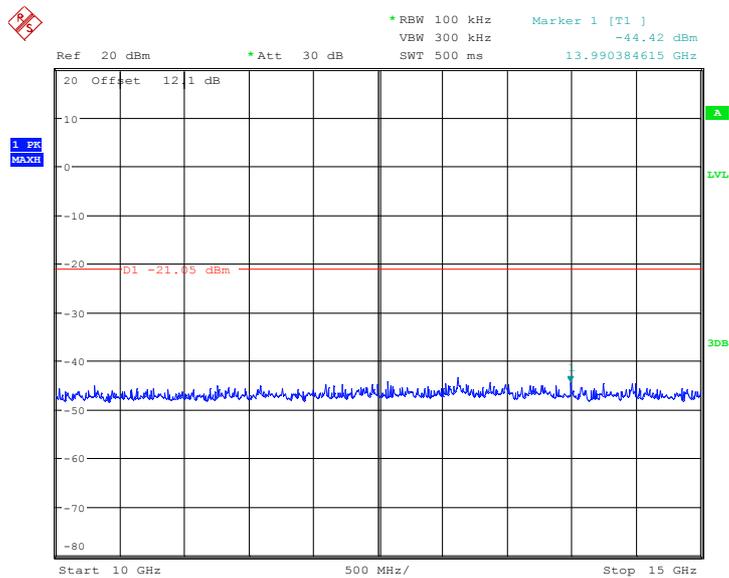
Date: 23.MAY.2013 18:50:27

**Fig.A.6.1.84 Conducted Spurious Emission (802.11n-HT40, Ch6, 2.5 GHz-7.5 GHz)**



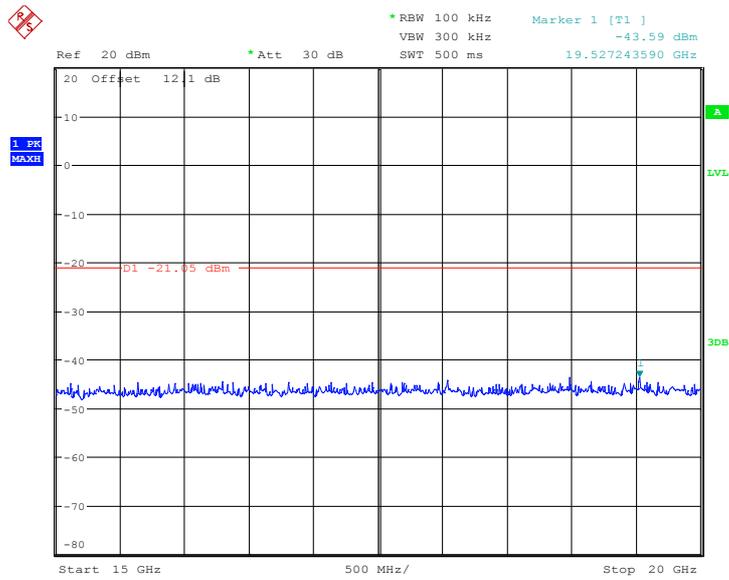
Date: 23.MAY.2013 18:50:42

**Fig.A.6.1.85 Conducted Spurious Emission (802.11n-HT40, Ch6, 7.5 GHz-10 GHz)**



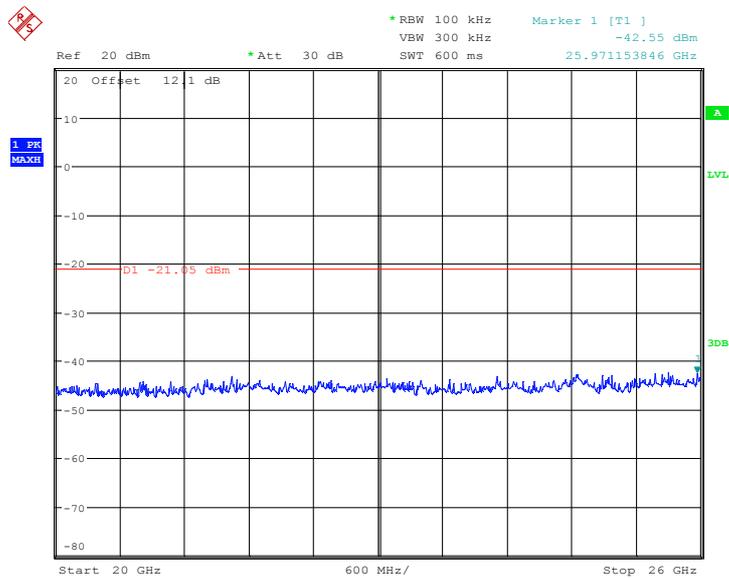
Date: 23.MAY.2013 18:50:58

**Fig.A.6.1.86 Conducted Spurious Emission (802.11n-HT40, Ch6, 10 GHz-15 GHz)**



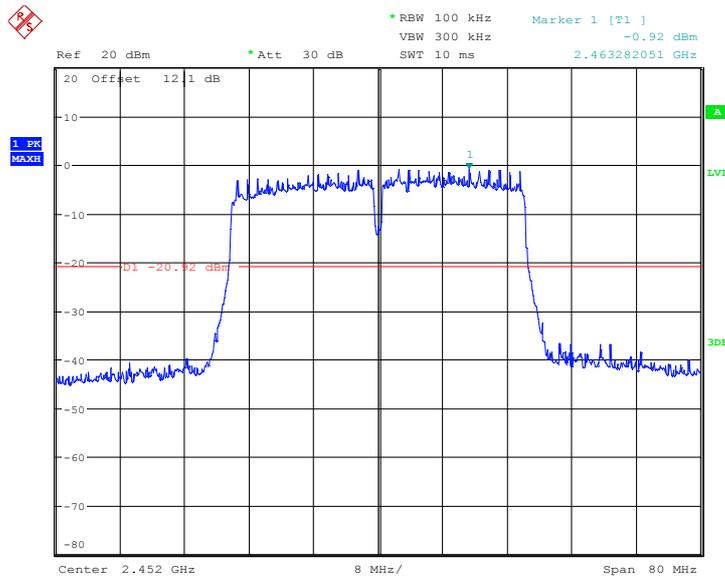
Date: 23.MAY.2013 18:51:14

**Fig.A.6.1.87 Conducted Spurious Emission (802.11n-HT40, Ch6, 15 GHz-20 GHz)**



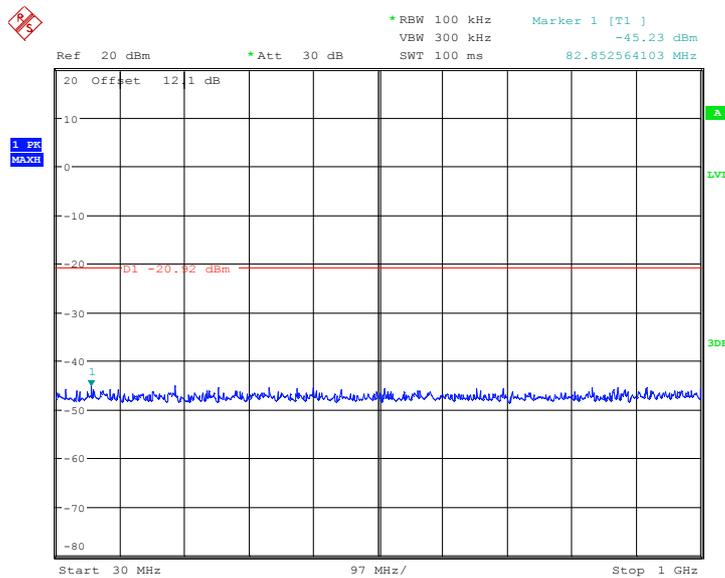
Date: 23.MAY.2013 18:51:28

**Fig.A.6.1.88 Conducted Spurious Emission (802.11n-HT40, Ch6, 20 GHz-26 GHz)**



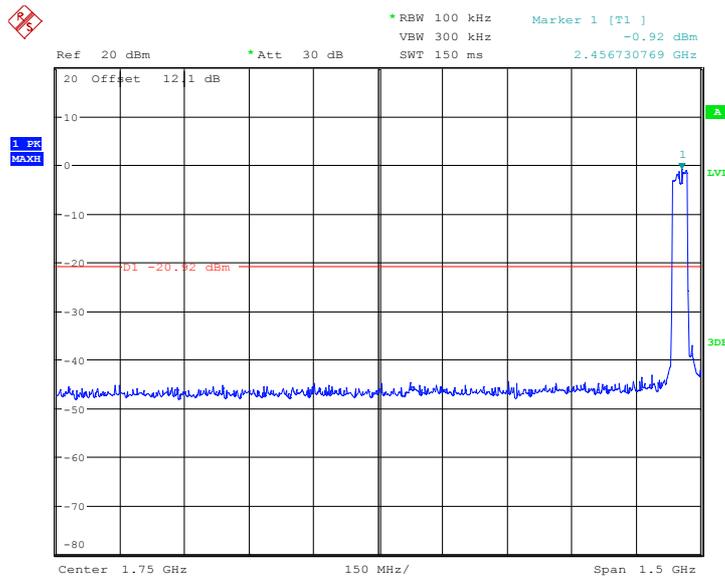
Date: 23.MAY.2013 18:52:48

**Fig.A.6.1.89 Conducted Spurious Emission (802.11n-HT40, Ch9, Center Frequency)**



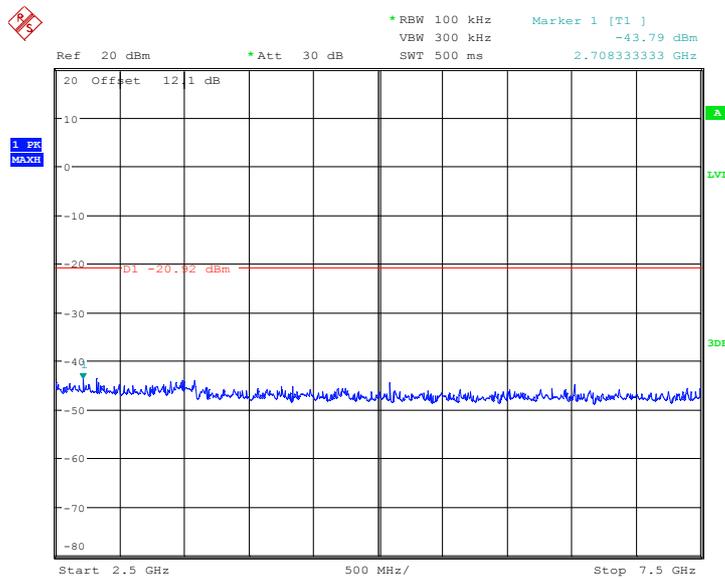
Date: 23.MAY.2013 18:53:07

**Fig.A.6.1.90 Conducted Spurious Emission (802.11n-HT40, Ch9, 30 MHz-1 GHz)**



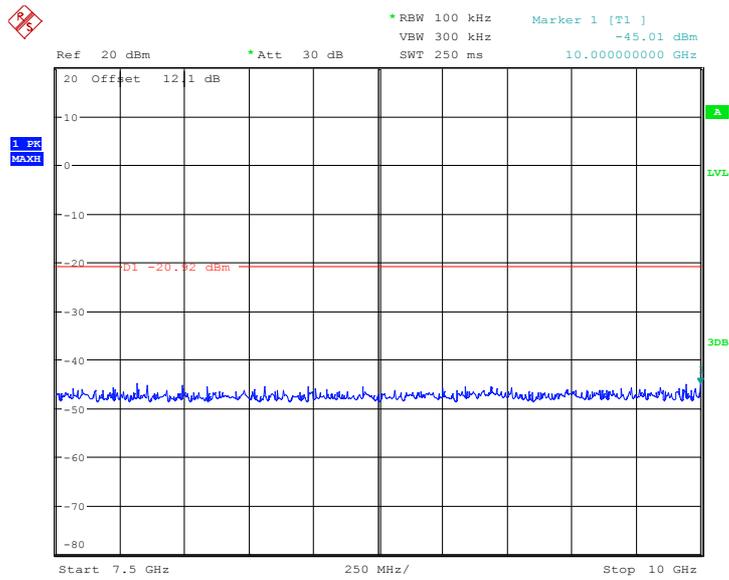
Date: 23.MAY.2013 18:53:33

**Fig.A.6.1.91 Conducted Spurious Emission (802.11n-HT40, Ch9, 1 GHz-2.5 GHz)**



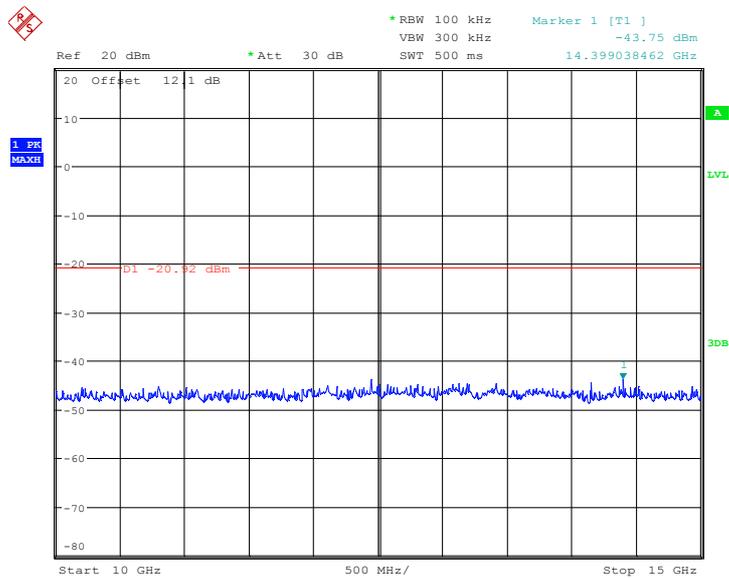
Date: 23.MAY.2013 18:53:51

**Fig.A.6.1.92 Conducted Spurious Emission (802.11n-HT40, Ch9, 2.5 GHz-7.5 GHz)**



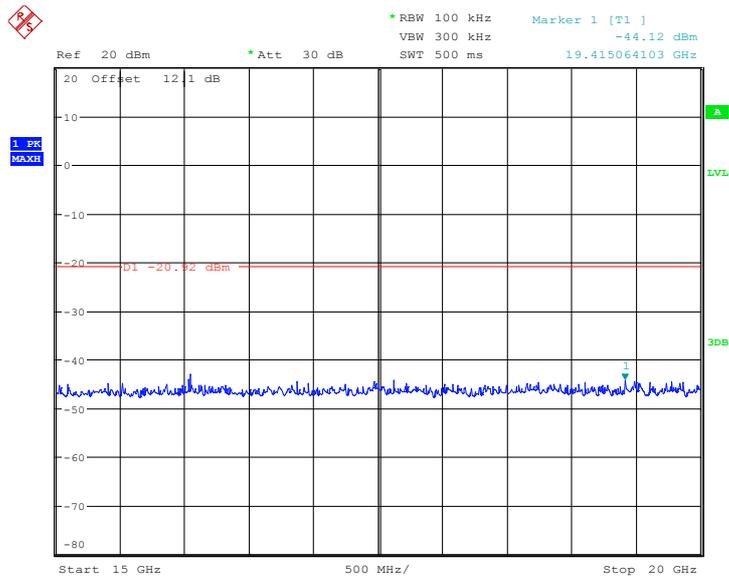
Date: 23.MAY.2013 18:54:08

**Fig.A.6.1.93 Conducted Spurious Emission (802.11n-HT40, Ch9, 7.5 GHz-10 GHz)**



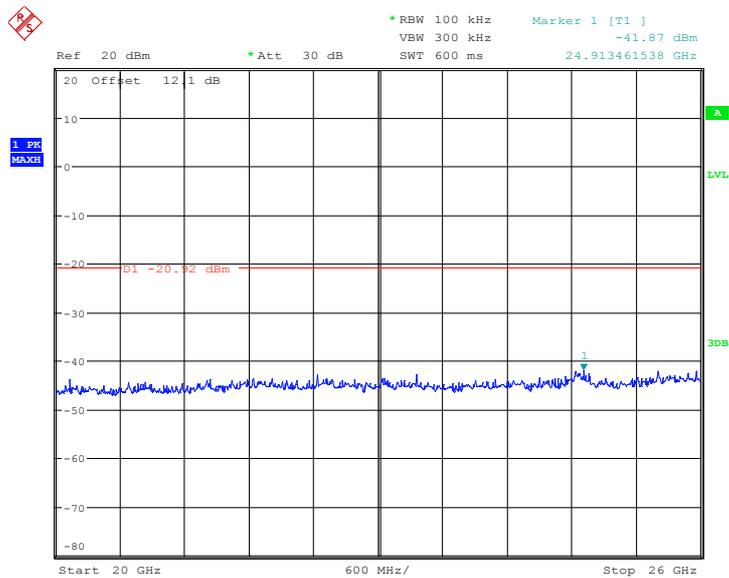
Date: 23.MAY.2013 18:54:23

**Fig.A.6.1.94 Conducted Spurious Emission (802.11n-HT40, Ch9, 10 GHz-15 GHz)**



Date: 23.MAY.2013 18:54:38

**Fig.A.6.1.95 Conducted Spurious Emission (802.11n-HT40, Ch9, 15 GHz-20 GHz)**



Date: 23.MAY.2013 18:55:06

**Fig.A.6.1.96 Conducted Spurious Emission (802.11n-HT40, Ch9, 20 GHz-26 GHz)**

**A.6.2 Transmitter Spurious Emission - Radiated**

**Measurement Limit:**

Standard	Limit
FCC 47 CFR Part 15.247, 15.205, 15.209	20dB below peak output power

In addition, 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 § 15.205(c)). The measurement is made according to KDB558074.

**Limit in restricted band:**

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

**Test Condition**

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	100KHz/300KHz	5
1000-4000	1MHz/1MHz	15
4000-18000	1MHz/1MHz	40
18000-26500	1MHz/1MHz	20

**EUT ID:EUT1**

**Modulation type and data rate tested:**

802.11b	802.11g	802.11n-HT20	802.11n-HT40
11Mbps(CCK)	48Mbps(OFDM)	MCS5(OFDM)	MCS3(OFDM)

**Measurement Results:**

**802.11b/g mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11b	Power	2.38GHz ~2.45GHz	Fig.A.6.2.1	<b>P</b>
	1	30 MHz ~1 GHz	Fig.A.6.2.2	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.3	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.4	<b>P</b>
	6	30 MHz ~1 GHz	Fig.A.6.2.5	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.6	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.7	<b>P</b>
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.8	<b>P</b>
	11	30 MHz ~1 GHz	Fig.A.6.2.9	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.10	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.11	<b>P</b>
	802.11g	Power	2.38GHz ~2.43GHz	Fig.A.6.2.12
1		30 MHz ~1 GHz	Fig.A.6.2.13	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.14	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.15	<b>P</b>
6		30 MHz ~1 GHz	Fig.A.6.2.16	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.17	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.18	<b>P</b>
Power		2.45GHz ~2.5GHz	Fig.A.6.2.19	<b>P</b>
11		30 MHz ~1 GHz	Fig.A.6.2.20	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.21	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.22	<b>P</b>

**802.11n mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (20MHz)	Power	2.38GHz ~2.45GHz	Fig.A.6.2.23	<b>P</b>
	1	30 MHz ~1 GHz	Fig.A.6.2.24	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.25	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.26	<b>P</b>
	6	30 MHz ~1 GHz	Fig.A.6.2.27	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.28	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.29	<b>P</b>
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.30	<b>P</b>
	11	30 MHz ~1 GHz	Fig.A.6.2.31	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.32	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.33	<b>P</b>
	802.11n (40MHz)	Power	2.38GHz ~2.45GHz	Fig.A.6.2.34
3		30 MHz ~1 GHz	Fig.A.6.2.35	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.36	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.37	<b>P</b>
6		30 MHz ~1 GHz	Fig.A.6.2.38	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.39	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.40	<b>P</b>
Power		2.45GHz ~2.5GHz	Fig.A.6.2.41	<b>P</b>
9		30 MHz ~1 GHz	Fig.A.6.2.42	<b>P</b>
		1 GHz ~ 3 GHz	Fig.A.6.2.43	<b>P</b>
		3 GHz ~ 18 GHz	Fig.A.6.2.44	<b>P</b>
/		All channels	18 GHz~ 26.5 GHz	Fig.A.6.2.45

**Conclusion: Pass**

**Note:**

A "reference path loss" is established and the  $A_{Rpl}$  is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

$P_{Mea}$  is the field strength recorded from the instrument.

The measurement results are obtained as described below:

$$\text{Result} = P_{Mea} + A_{Rpl} = P_{Mea} + \text{Cable Loss} + \text{Antenna Factor}$$

**802.11b**

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17535.000	43.7	-25.3	42.9	26.067	VERTICAL
17499.000	43.7	-25.3	43.0	25.957	VERTICAL
17991.000	43.7	-24.7	42.3	26.154	VERTICAL
17529.750	43.7	-25.3	42.9	26.067	HORIZONTAL
17486.250	43.6	-25.3	43.0	25.857	HORIZONTAL
17503.500	43.6	-25.3	42.8	26.127	HORIZONTAL

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17514.000	43.9	-25.3	42.8	26.427	HORIZONTAL
17489.250	43.7	-25.3	43.0	25.957	HORIZONTAL
17502.000	43.7	-25.3	42.8	26.227	HORIZONTAL
17512.500	43.6	-25.3	42.8	26.127	VERTICAL
17992.500	43.6	-24.7	42.3	26.054	VERTICAL
17492.250	43.6	-25.3	43.0	25.857	HORIZONTAL

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17514.750	43.6	-25.3	42.8	26.127	HORIZONTAL
17485.500	43.6	-25.3	43.0	25.857	HORIZONTAL
17476.500	43.6	-25.3	43.0	25.857	HORIZONTAL
17994.000	43.6	-24.7	42.3	26.054	HORIZONTAL
17487.000	43.6	-25.3	43.0	25.857	HORIZONTAL
17497.500	43.6	-25.3	43.0	25.857	HORIZONTAL

**802.11g**

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17541.000	43.8	-25.3	42.9	26.167	VERTICAL
17494.500	43.8	-25.3	43.0	26.057	HORIZONTAL
17514.750	43.7	-25.3	42.8	26.227	VERTICAL
17509.500	43.7	-25.3	42.8	26.227	HORIZONTAL
17497.500	43.7	-25.3	43.0	25.957	VERTICAL
17520.750	43.6	-25.3	42.8	26.127	HORIZONTAL

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17518.500	43.7	-25.3	42.8	26.227	VERTICAL
17508.750	43.7	-25.3	42.8	26.227	VERTICAL
17555.250	43.6	-25.3	42.3	26.637	HORIZONTAL
17482.500	43.6	-25.3	43.0	25.857	HORIZONTAL
17541.750	43.6	-25.3	42.9	25.967	VERTICAL
17488.500	43.6	-25.3	43.0	25.857	VERTICAL

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17493.000	43.7	-25.3	43.0	25.957	HORIZONTAL
18000.000	43.7	-24.6	42.7	25.604	VERTICAL
17995.500	43.6	-24.7	42.3	26.054	VERTICAL
17499.000	43.6	-25.3	43.0	25.857	VERTICAL
17501.250	43.6	-25.3	42.8	26.127	HORIZONTAL
17506.500	43.6	-25.3	42.8	26.127	HORIZONTAL

**802.11n-HT20**

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17992.500	43.7	-24.7	42.3	26.154	HORIZONTAL
17503.500	43.7	-25.3	42.8	26.227	HORIZONTAL
17498.250	43.6	-25.3	43.0	25.857	HORIZONTAL
17507.250	43.6	-25.3	42.8	26.127	HORIZONTAL
17502.750	43.6	-25.3	42.8	26.127	VERTICAL
17544.750	43.6	-25.3	42.9	25.967	HORIZONTAL

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17479.500	43.7	-25.3	43.0	25.957	HORIZONTAL
17528.250	43.7	-25.3	42.9	26.067	HORIZONTAL
17508.000	43.6	-25.3	42.8	26.127	HORIZONTAL
17506.500	43.6	-25.3	42.8	26.127	VERTICAL
17502.000	43.6	-25.3	42.8	26.127	HORIZONTAL
17519.250	43.6	-25.3	42.8	26.127	HORIZONTAL

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17520.750	43.8	-25.3	42.8	26.327	HORIZONTAL
17501.250	43.8	-25.3	42.8	26.327	HORIZONTAL
17500.500	43.8	-25.3	42.8	26.327	VERTICAL
17516.250	43.7	-25.3	42.8	26.227	HORIZONTAL
17505.000	43.6	-25.3	42.8	26.127	VERTICAL
17487.000	43.6	-25.3	43.0	25.857	VERTICAL

**802.11n-HT40**

Ch3

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17514.750	43.9	-25.3	42.8	26.427	HORIZONTAL
17503.500	43.7	-25.3	42.8	26.227	VERTICAL
17985.000	43.6	-25.2	42.3	26.568	HORIZONTAL
17522.250	43.6	-25.3	42.8	26.127	HORIZONTAL
17507.250	43.5	-25.3	42.8	26.027	VERTICAL
17499.750	43.5	-25.3	43.0	25.757	HORIZONTAL

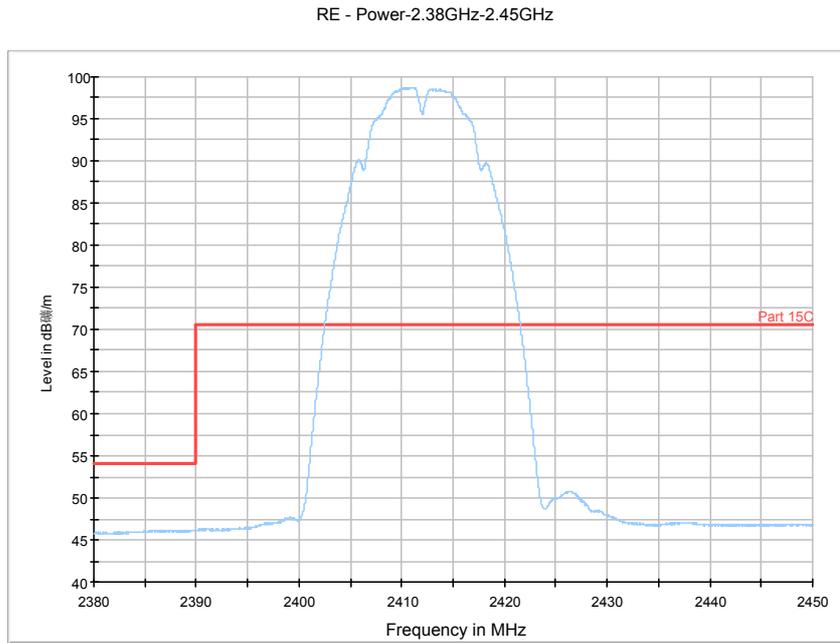
Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17517.000	43.7	-25.3	42.8	26.227	HORIZONTAL
17485.500	43.7	-25.3	43.0	25.957	HORIZONTAL
17535.000	43.7	-25.3	42.9	26.067	HORIZONTAL
17500.500	43.6	-25.3	42.8	26.127	HORIZONTAL
17463.750	43.6	-25.3	42.6	26.297	HORIZONTAL
17523.000	43.6	-25.3	42.8	26.127	VERTICAL

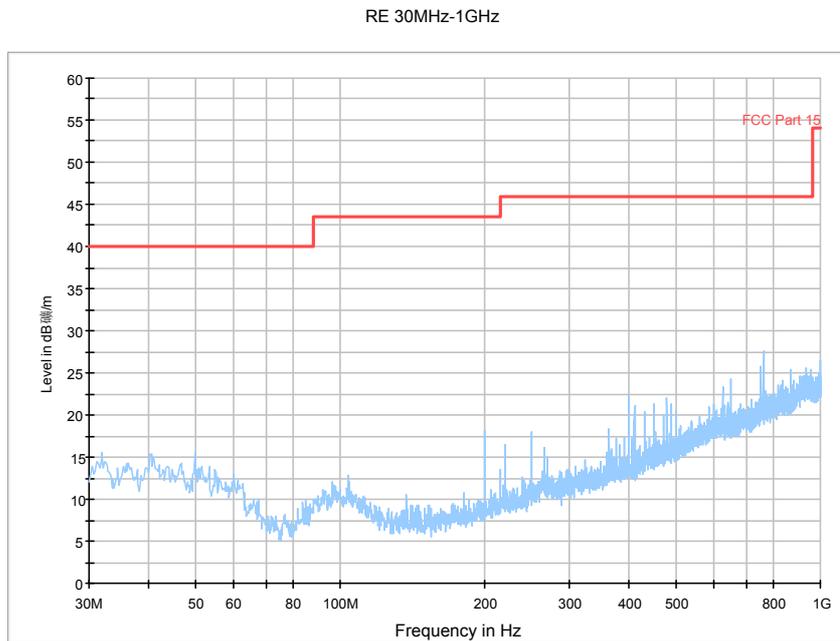
Ch9

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17971.500	43.8	-25.2	42.7	26.328	HORIZONTAL
17485.500	43.8	-25.3	43.0	26.057	VERTICAL
17490.000	43.7	-25.3	43.0	25.957	HORIZONTAL
17520.750	43.7	-25.3	42.8	26.227	VERTICAL
17484.750	43.6	-25.3	43.0	25.857	HORIZONTAL
17508.750	43.6	-25.3	42.8	26.127	VERTICAL

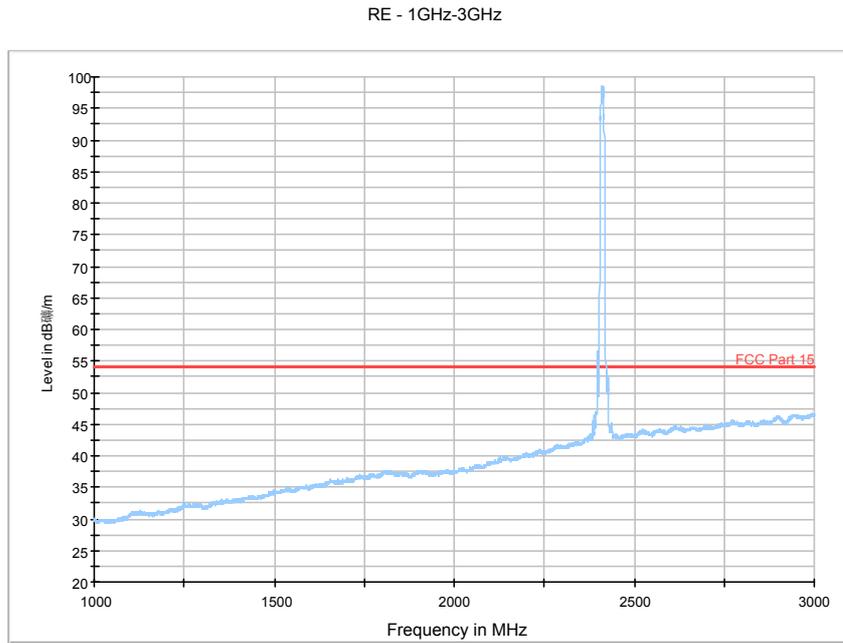
**Test graphs as below:**



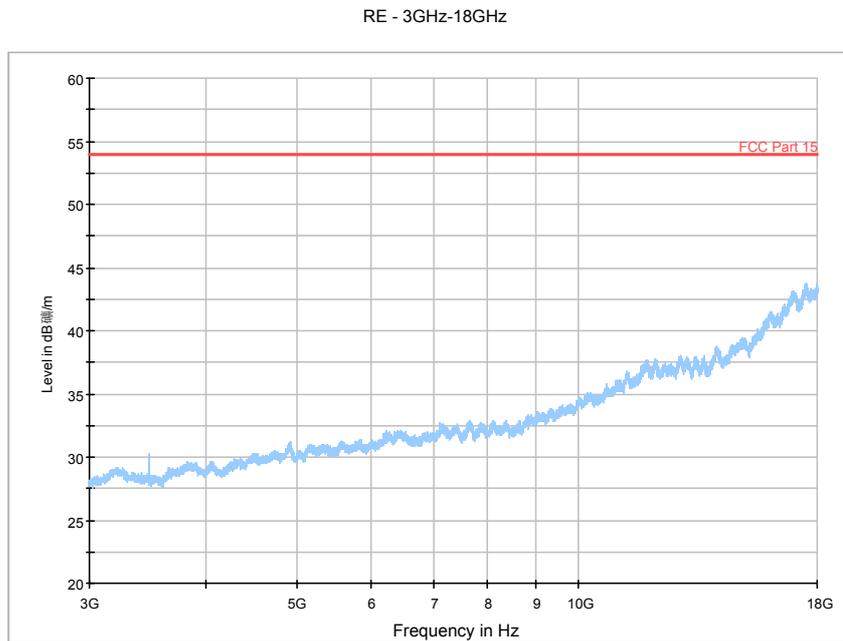
**Fig.A.6.2.1 Radiated Spurious Emission (Power): 802.11b, ch1, 2.38 GHz - 245GHz**



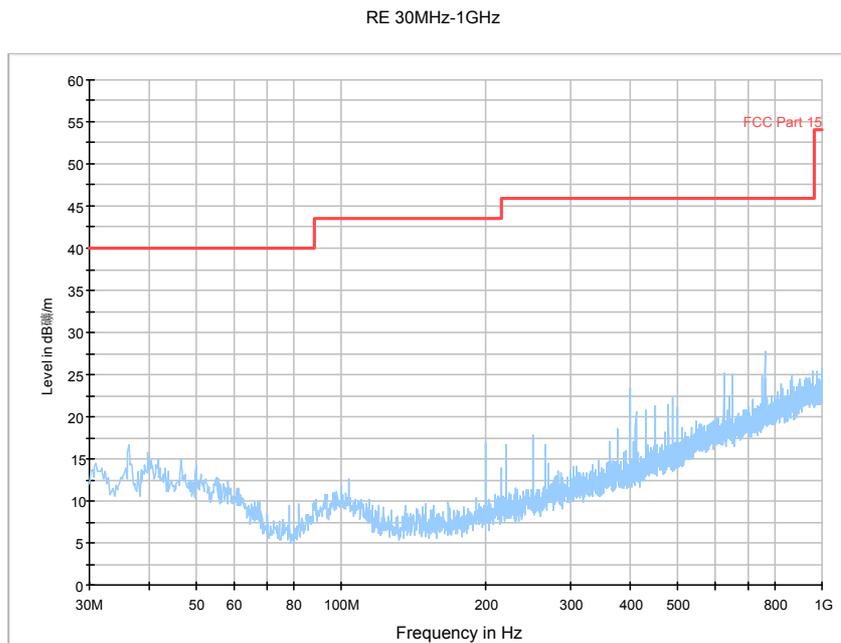
**Fig.A.6.2.2 Radiated Spurious Emission (802.11b, Ch1, 30 MHz-1 GHz)**



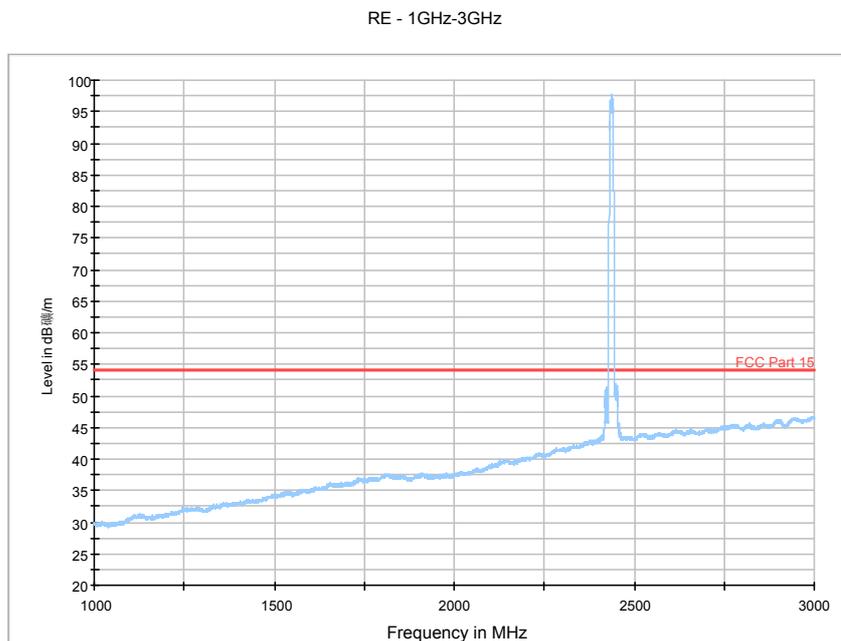
**Fig.A.6.2.3 Radiated Spurious Emission (802.11b, Ch1, 1 GHz-3 GHz)**



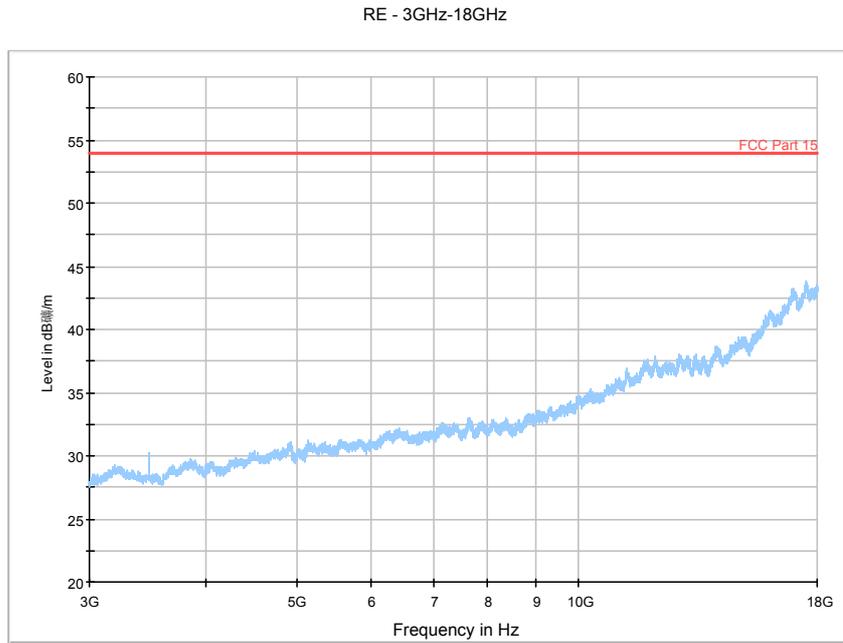
**Fig.A.6.2.4 Radiated Spurious Emission (802.11b, Ch1, 3 GHz-18 GHz)**



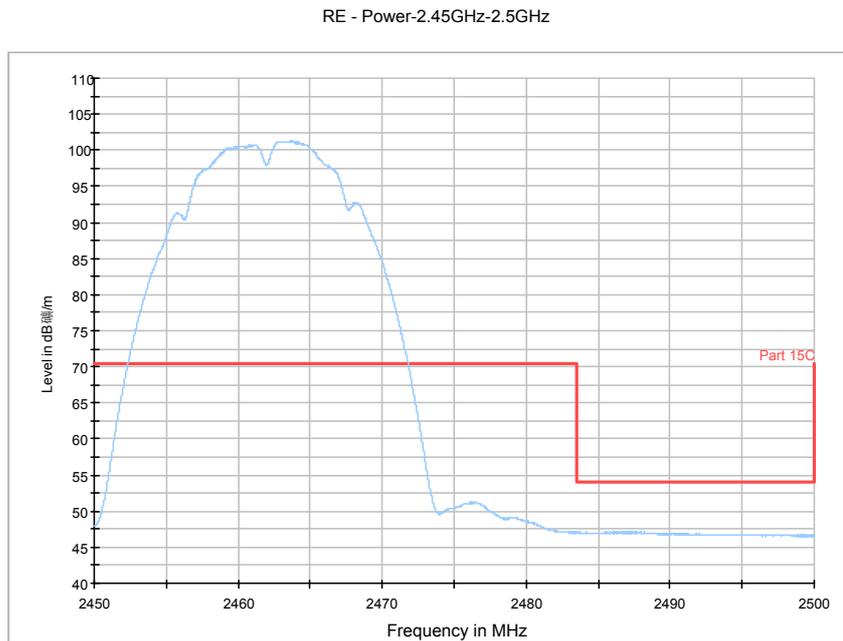
**Fig.A.6.2.5 Radiated Spurious Emission (802.11b, Ch6, 30 MHz-1 GHz)**



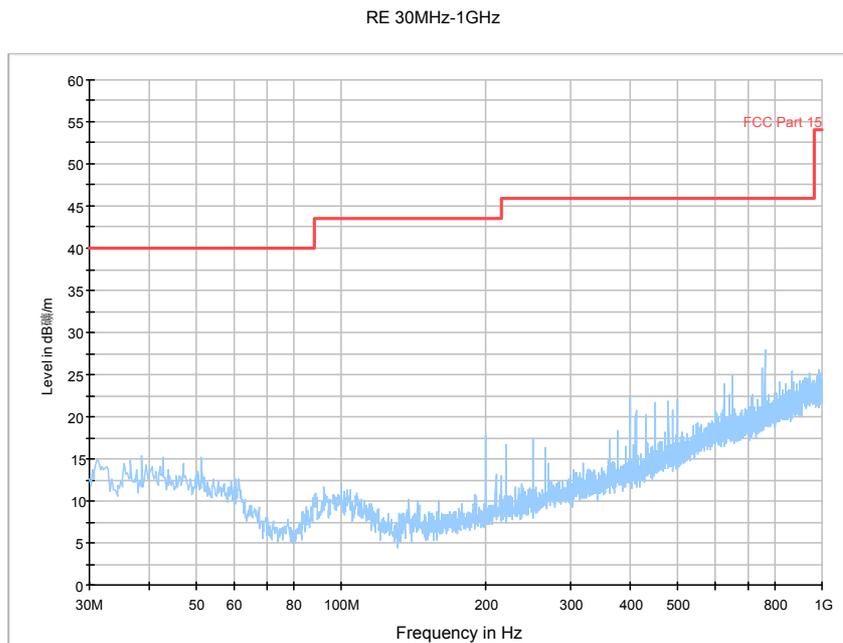
**Fig.A.6.2.6 Radiated Spurious Emission (802.11b, Ch6, 1 GHz-3 GHz)**



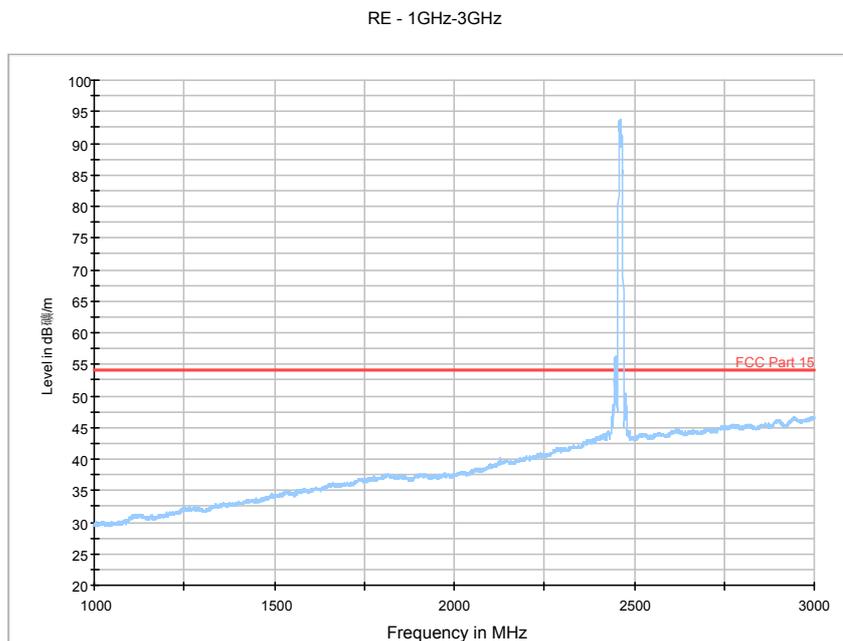
**Fig.A.6.2.7 Radiated Spurious Emission (802.11b, Ch6, 3 GHz-18 GHz)**



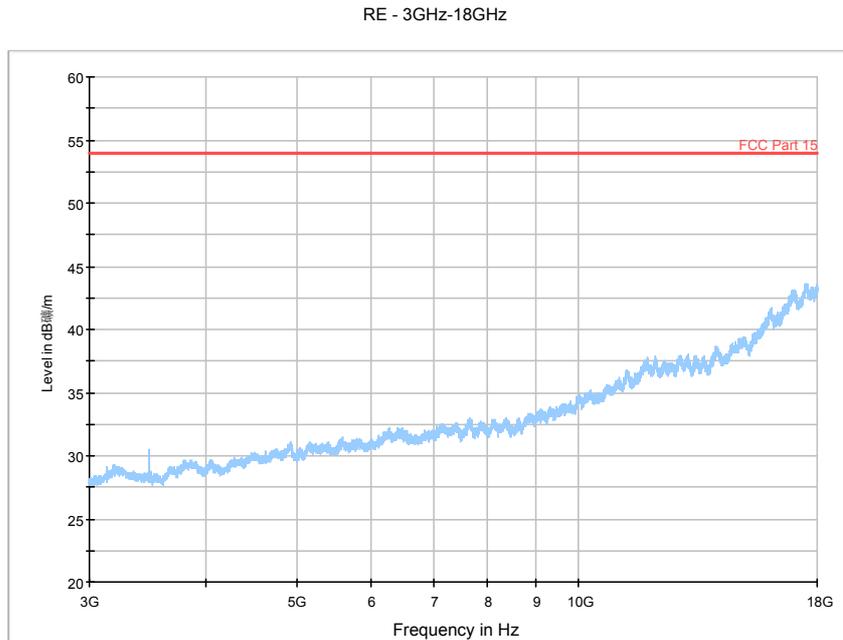
**Fig.A.6.2.8 Radiated Spurious Emission (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz**



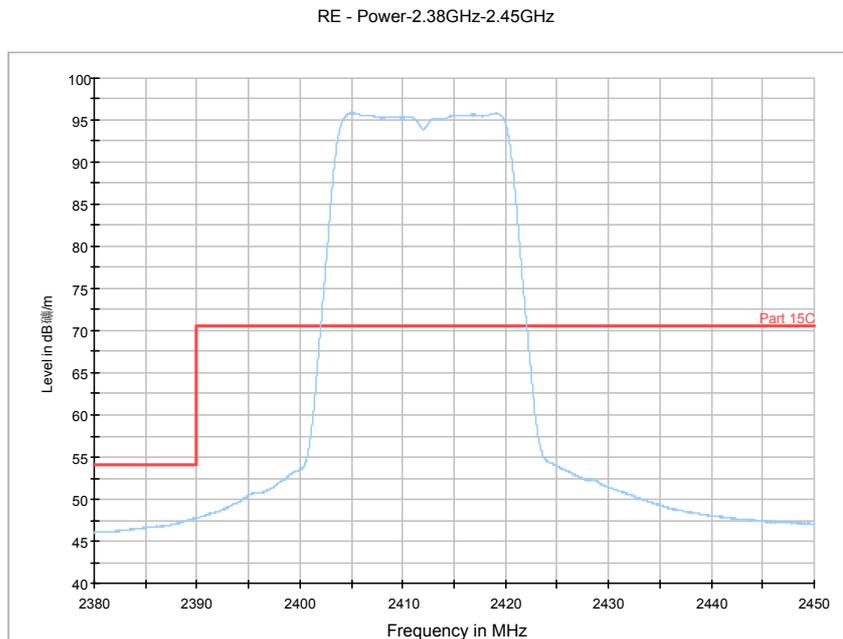
**Fig.A.6.2.9 Radiated Spurious Emission (802.11b, Ch11, 30 MHz-1 GHz)**



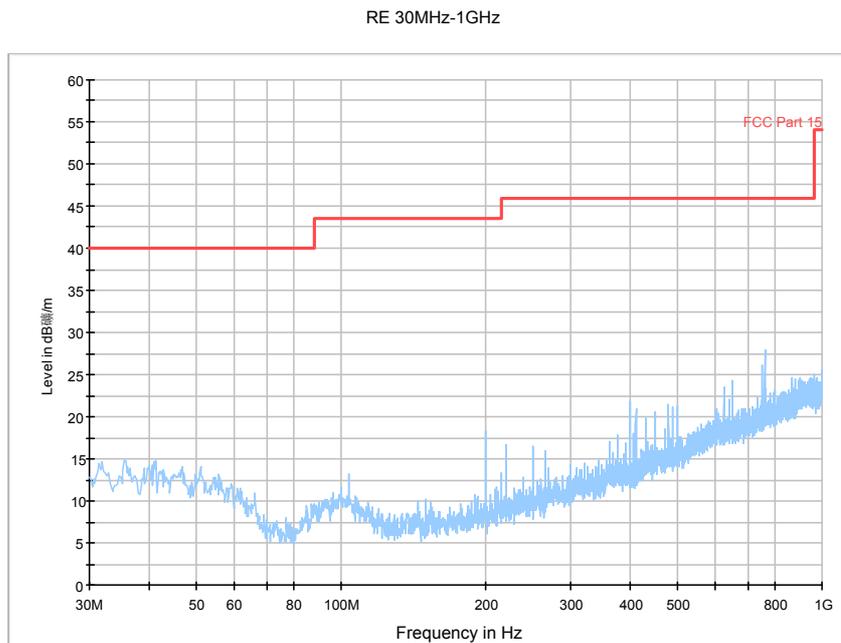
**Fig.A.6.2.10 Radiated Spurious Emission (802.11b, Ch11, 1 GHz-3 GHz)**



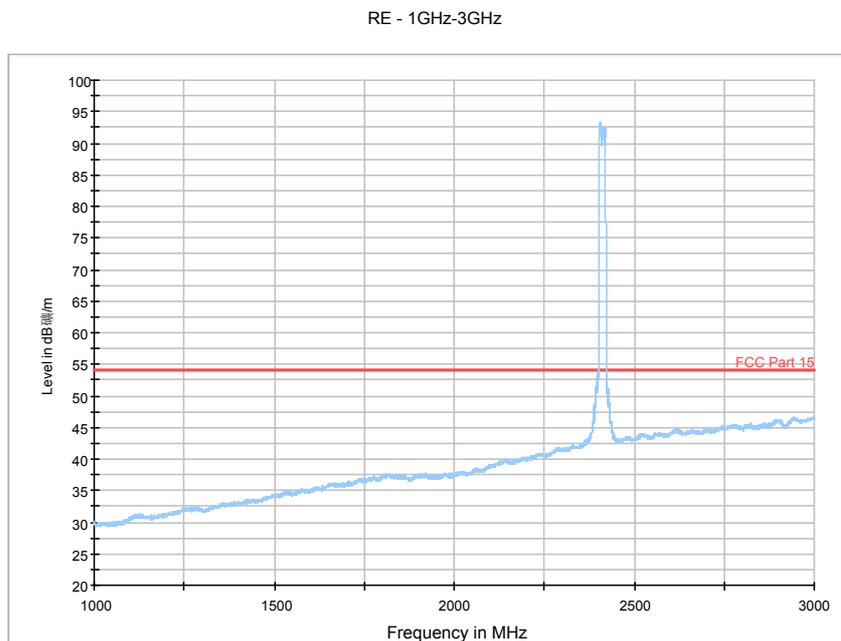
**Fig.A.6.2.11 Radiated Spurious Emission (802.11b, Ch11, 3 GHz-18 GHz)**



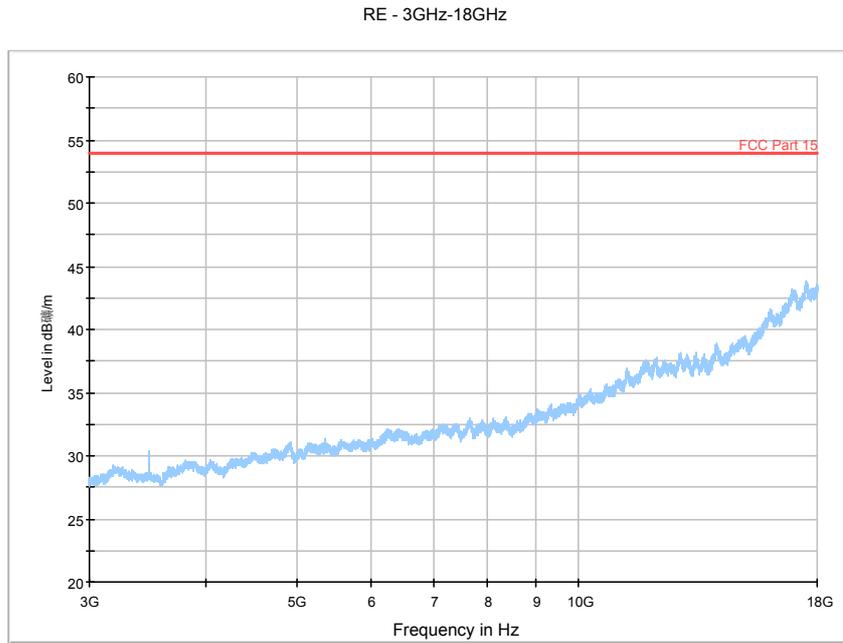
**Fig.A.6.2.12 Radiated Spurious Emission (Power): 802.11g, ch1, 2.38 GHz - 2.45GHz**



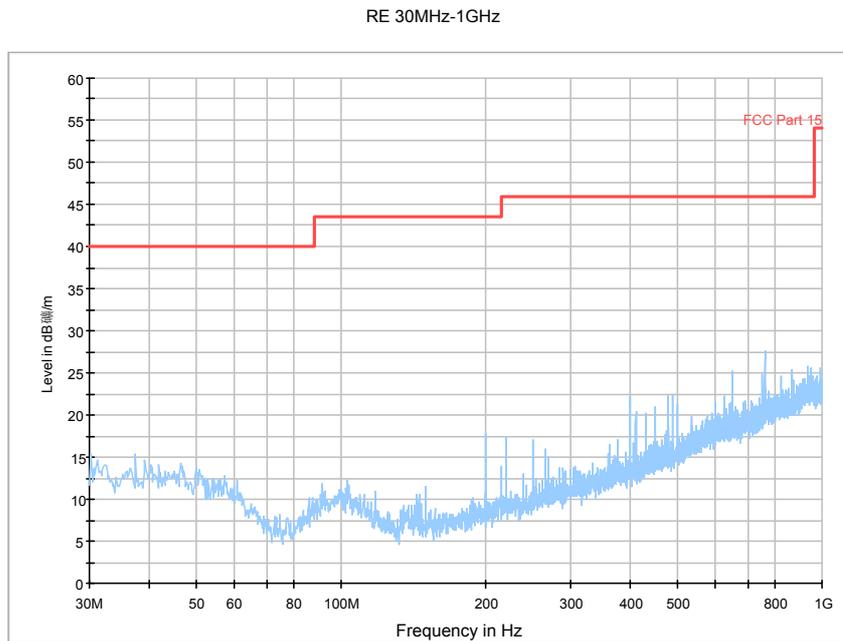
**Fig.A.6.2.13 Radiated Spurious Emission (802.11g, Ch1, 30 MHz-1 GHz)**



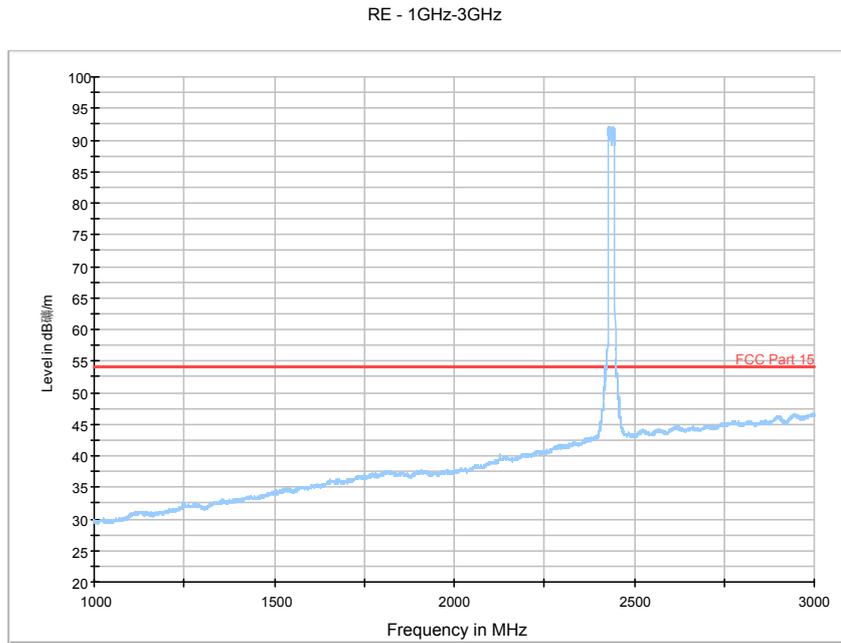
**Fig.A.6.2.14 Radiated Spurious Emission (802.11g, Ch1, 1 GHz-3 GHz)**



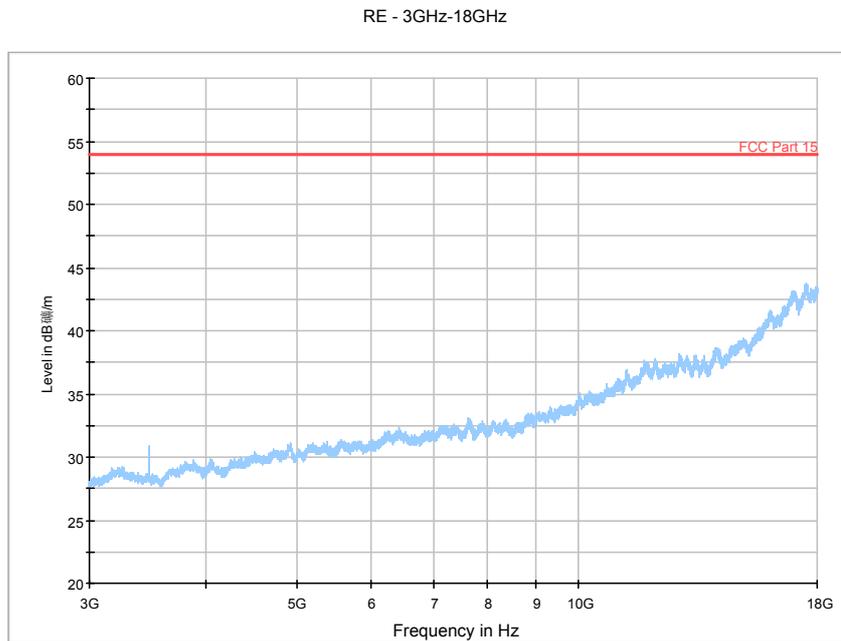
**Fig.A.6.2.15 Radiated Spurious Emission (802.11g, Ch1, 3 GHz-18 GHz)**



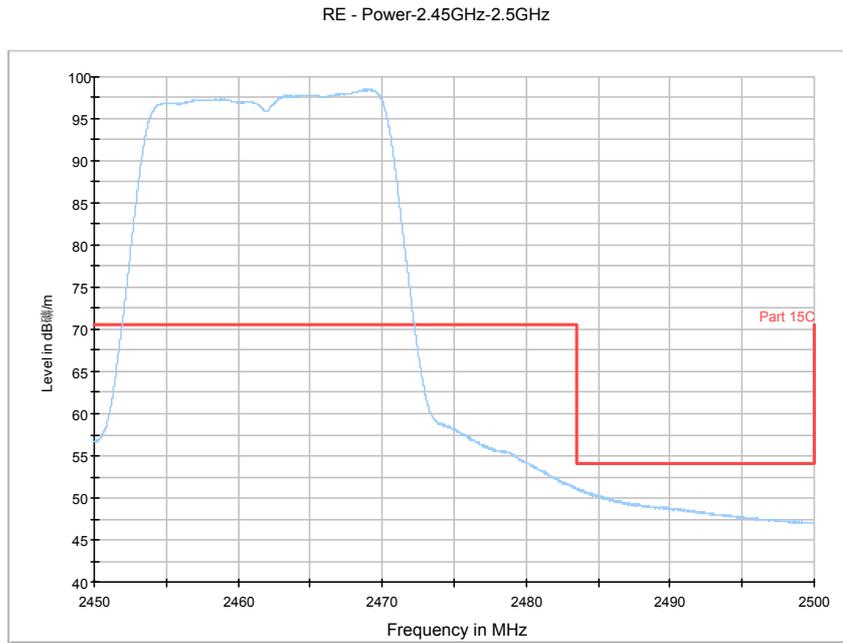
**Fig.A.6.2.16 Radiated Spurious Emission (802.11g, Ch6, 30 MHz-1 GHz)**



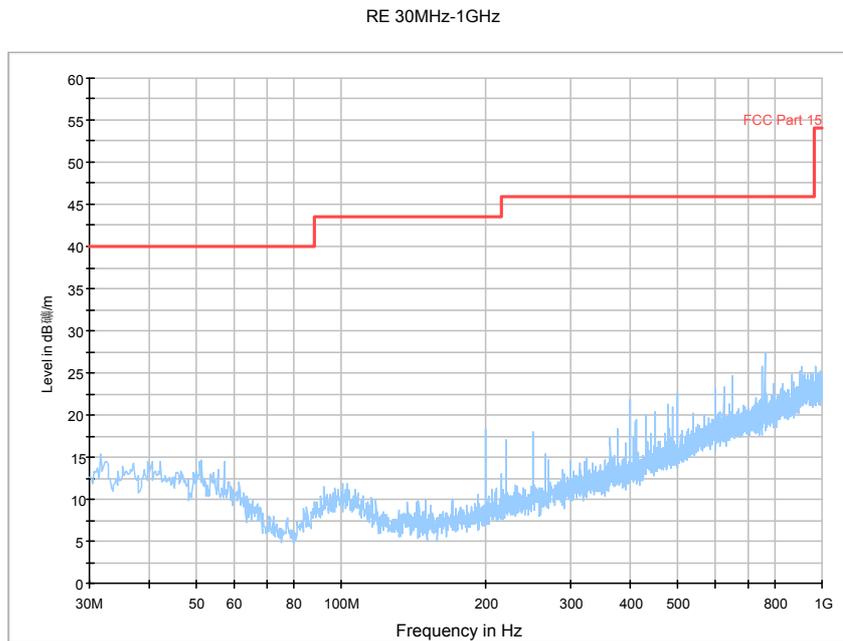
**Fig.A.6.2.17 Radiated Spurious Emission (802.11g, Ch6, 1 GHz-3 GHz)**



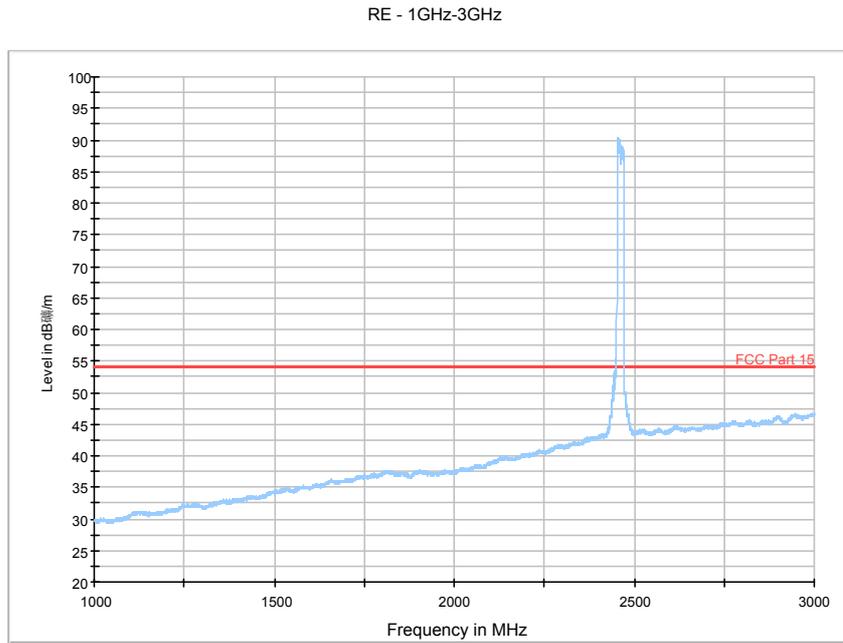
**Fig.A.6.2.18 Radiated Spurious Emission (802.11g, Ch6, 3 GHz-18 GHz)**



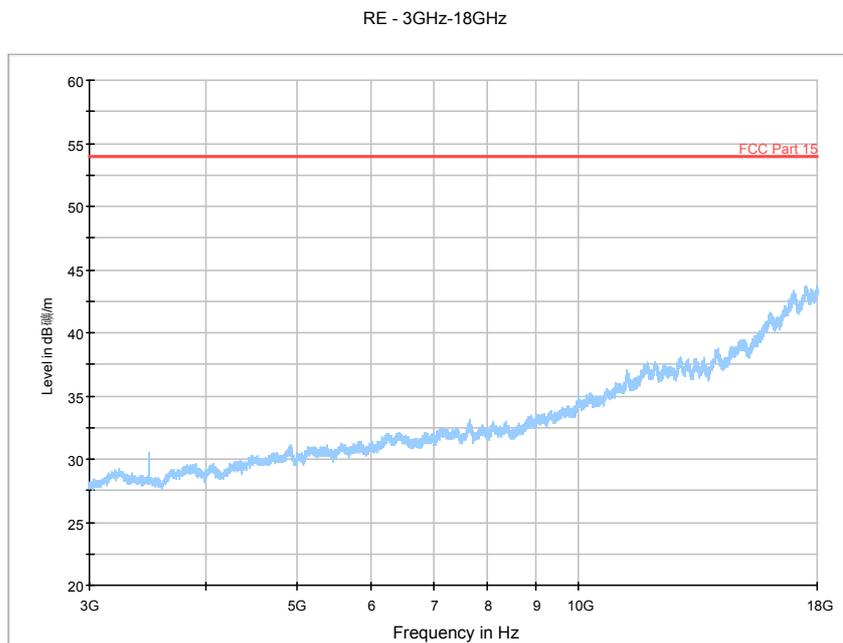
**Fig.A.6.2.19 Radiated Spurious Emission (Power): 802.11g, ch11, 2.45 GHz - 2.50GHz**



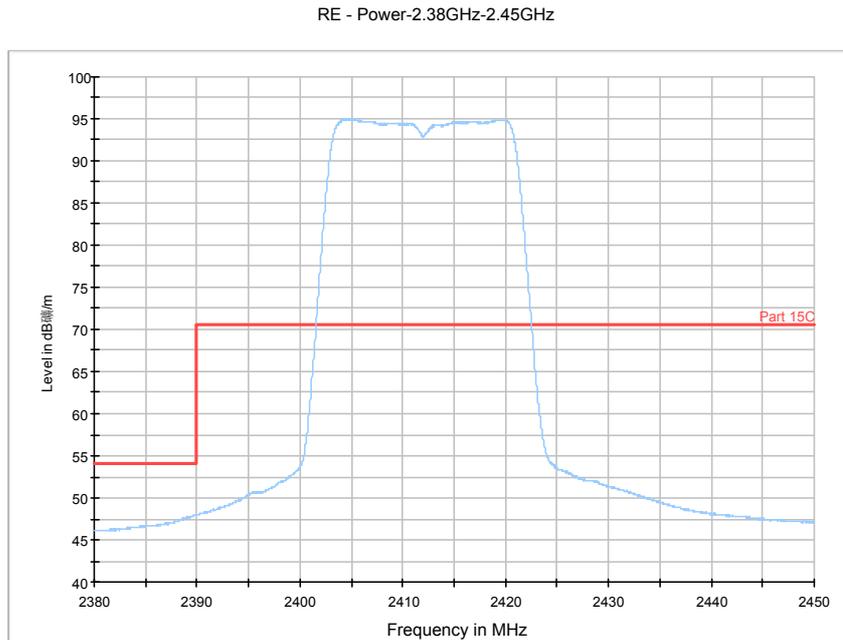
**Fig.A.6.2.20 Radiated Spurious Emission (802.11g, Ch11, 30 MHz-1 GHz)**



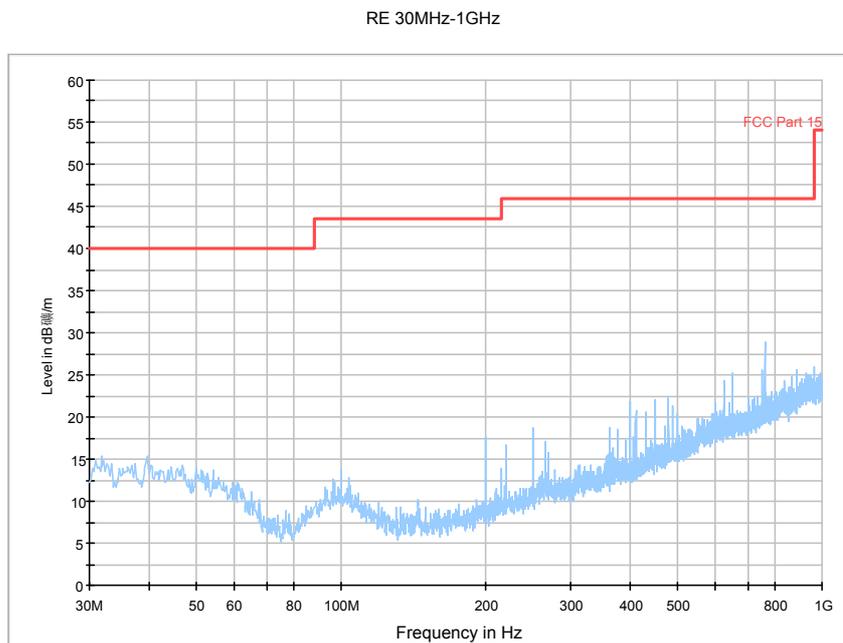
**Fig.A.6.2.21 Radiated Spurious Emission (802.11g, Ch11, 1 GHz-3 GHz)**



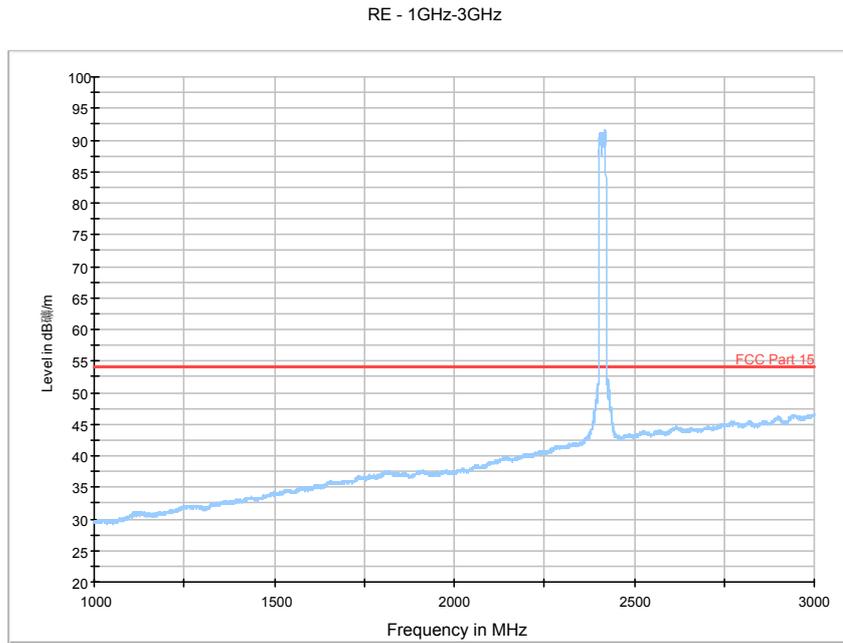
**Fig.A.6.2.22 Radiated Spurious Emission (802.11g, Ch11, 3 GHz-18 GHz)**



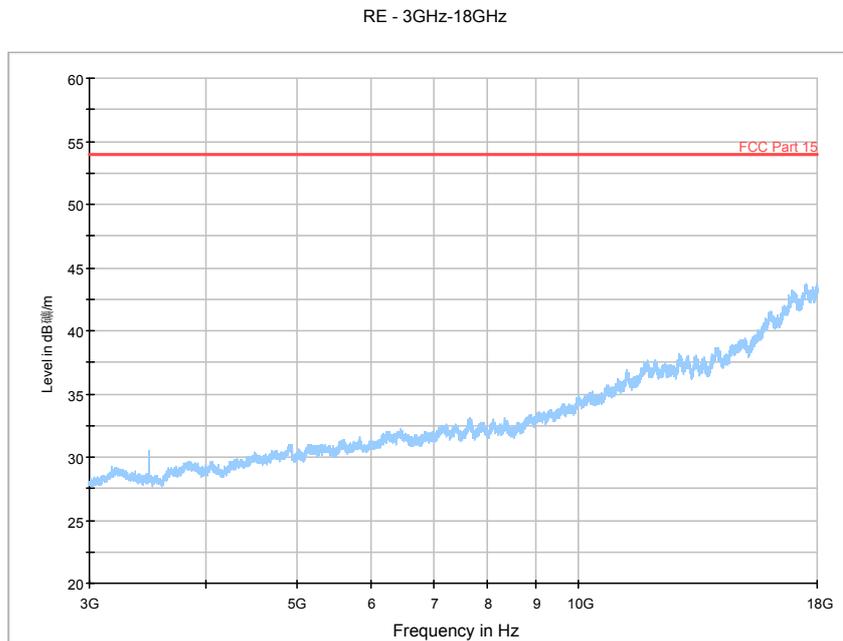
**Fig.A.6.2.23 Radiated Spurious Emission (Power): 802.11n-20MHz, ch1, 2.38 GHz - 2.45GHz**



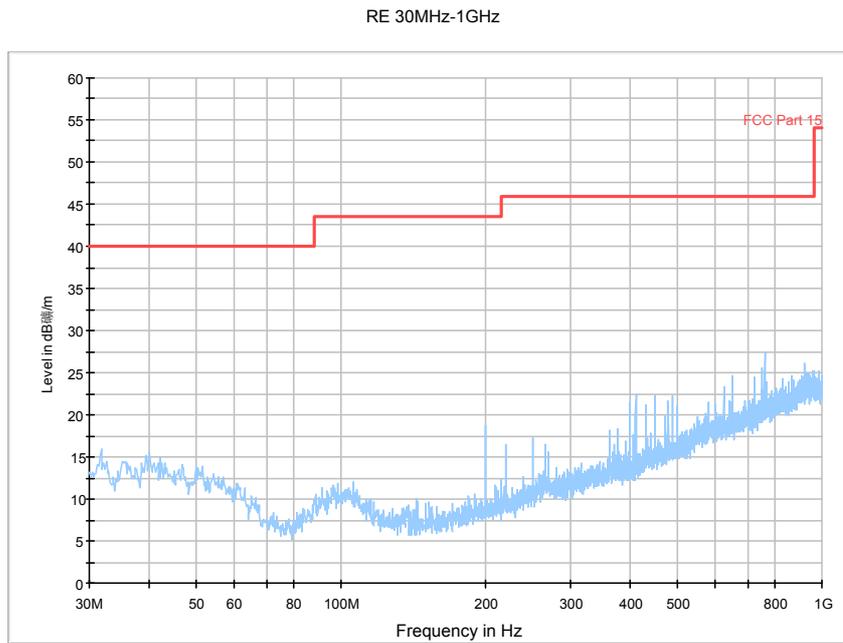
**Fig.A.6.2.24 Radiated Spurious Emission (802.11n-20MHz, Ch1, 30 MHz-1 GHz)**



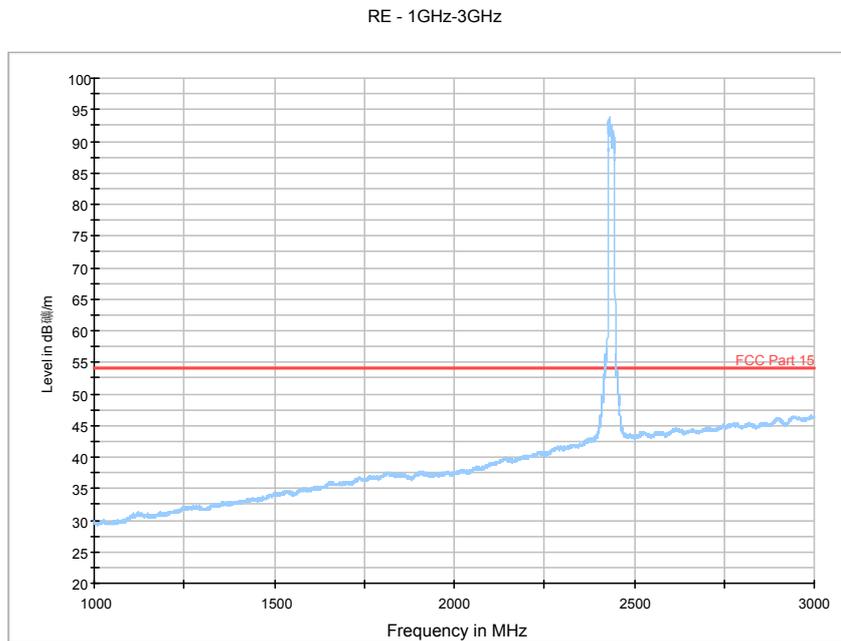
**Fig.A.6.2.25 Radiated Spurious Emission (802.11n-20MHz, Ch1, 1 GHz-3 GHz)**



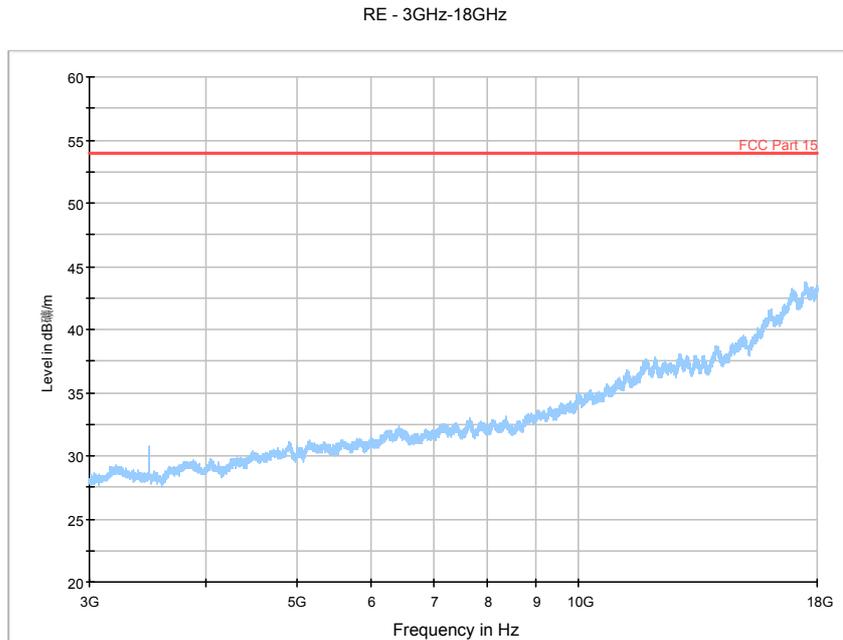
**Fig.A.6.2.26 Radiated Spurious Emission (802.11n-20MHz, Ch1, 3 GHz-18 GHz)**



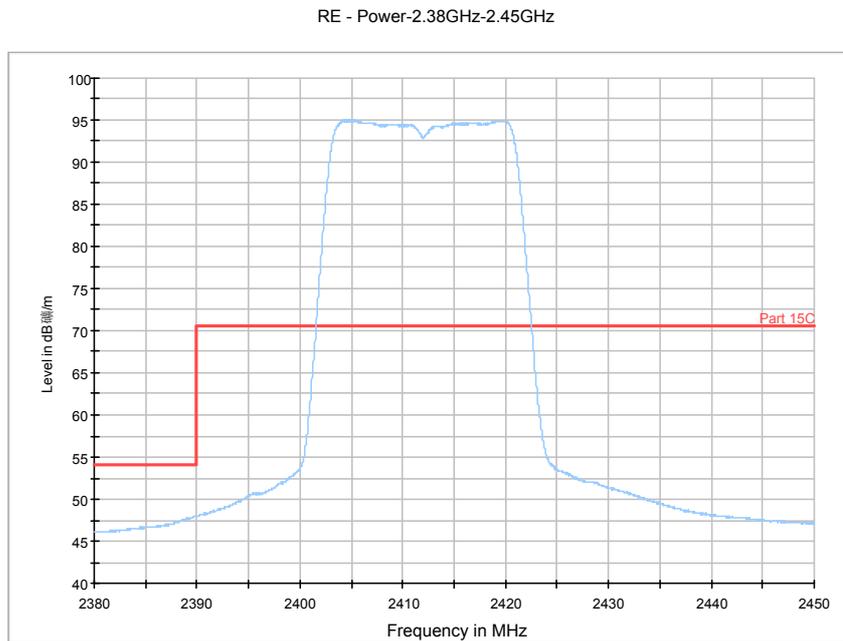
**Fig.A.6.2.27 Radiated Spurious Emission (802.11n-20MHz, Ch6, 30 MHz-1 GHz)**



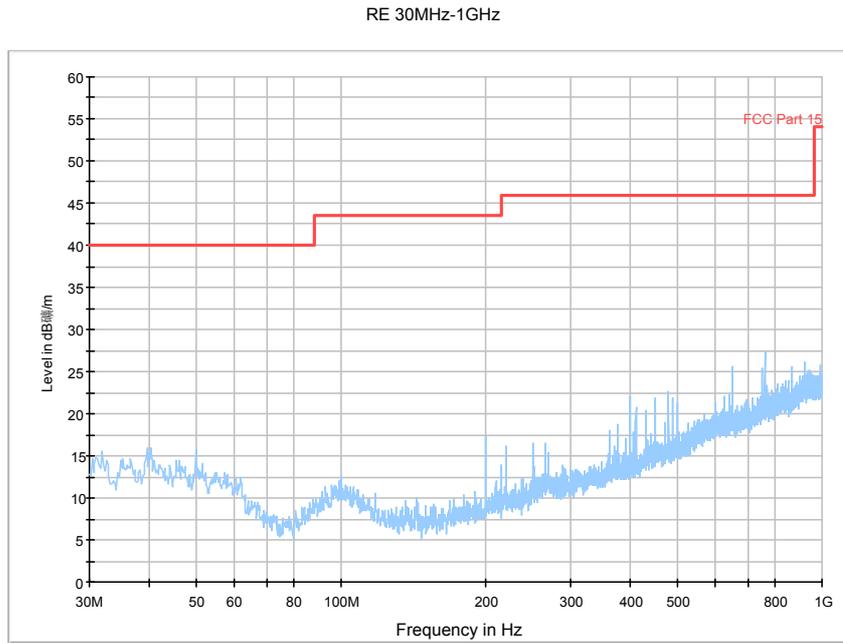
**Fig.A.6.2.28 Radiated Spurious Emission (802.11n-20MHz, Ch6, 1 GHz-3 GHz)**



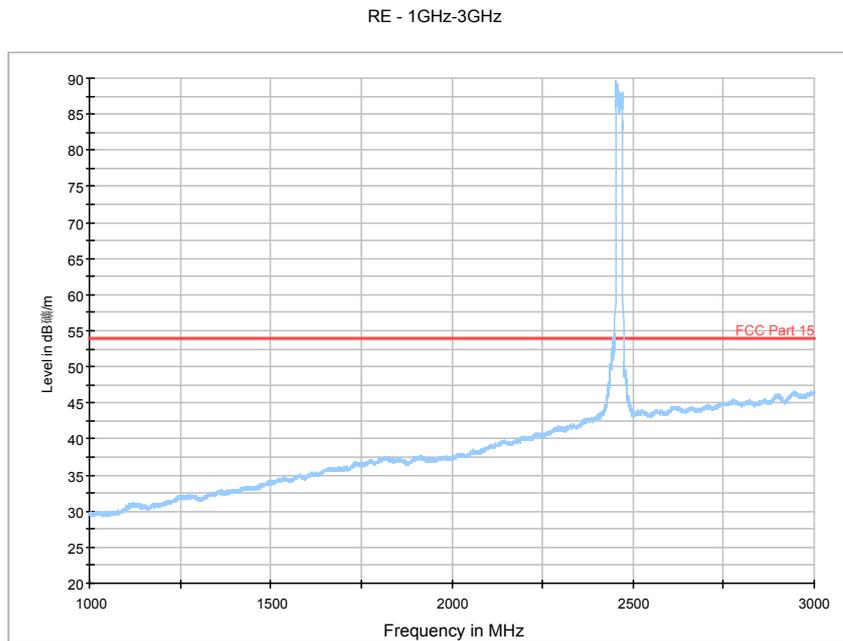
**Fig.A.6.2.29 Radiated Spurious Emission (802.11n-20MHz, Ch6, 3 GHz-18 GHz)**



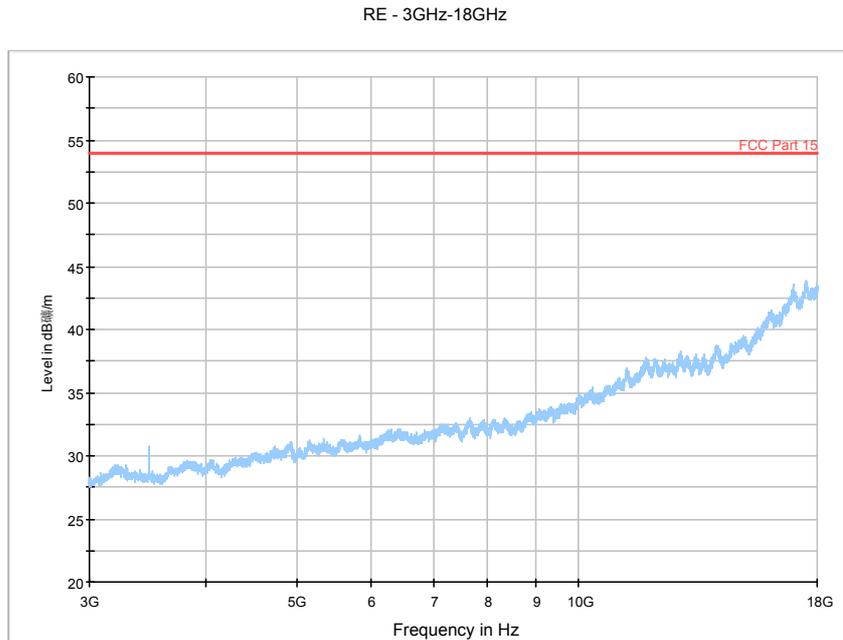
**Fig.A.6.2.30 Radiated Spurious Emission (Power): 802.11n-20MHz, ch11, 2.45 GHz - 2.50GHz**



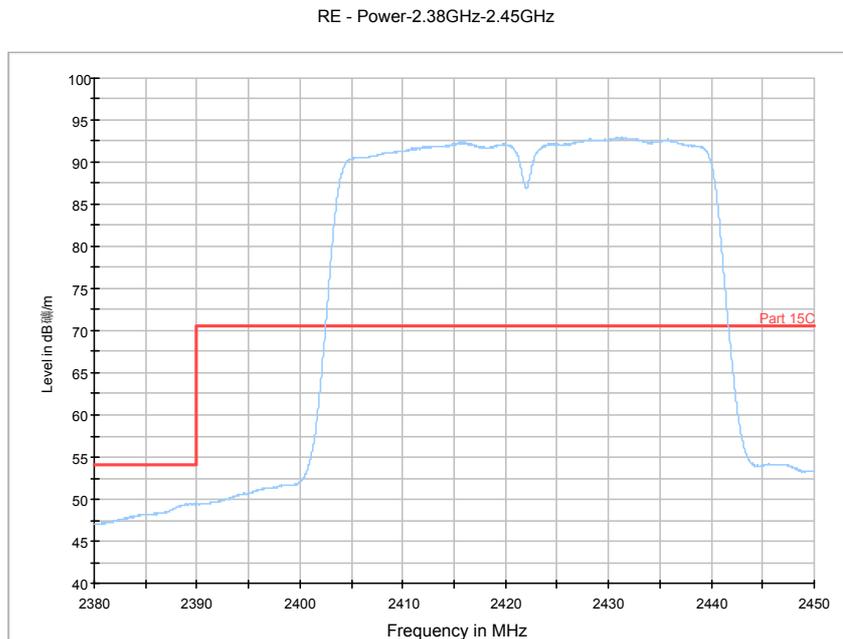
**Fig.A.6.2.31 Radiated Spurious Emission (802.11n-20MHz, Ch11, 30 MHz-1 GHz)**



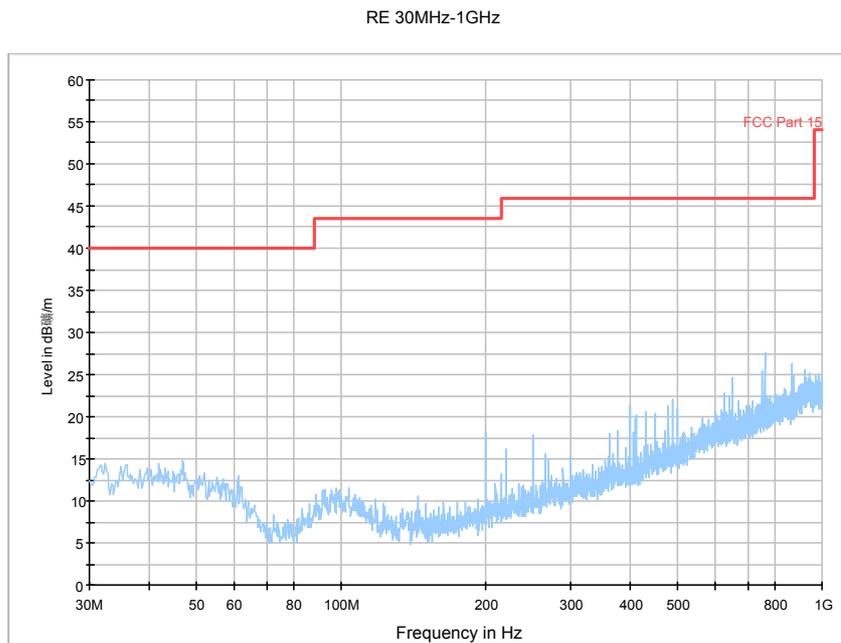
**Fig.A.6.2.32 Radiated Spurious Emission (802.11n-20MHz, Ch11, 1 GHz-3 GHz)**



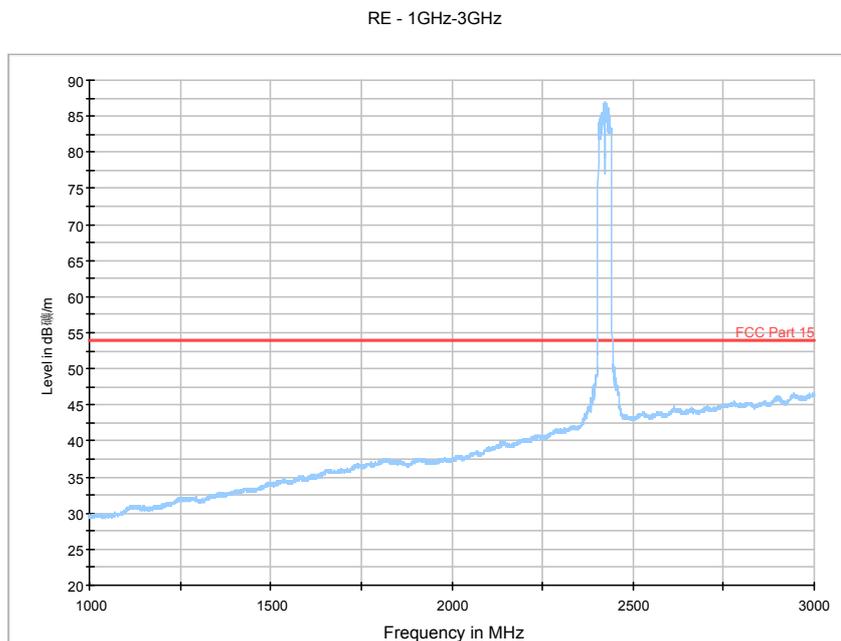
**Fig.A.6.2.33 Radiated Spurious Emission (802.11n-20MHz, Ch11, 3 GHz-18 GHz)**



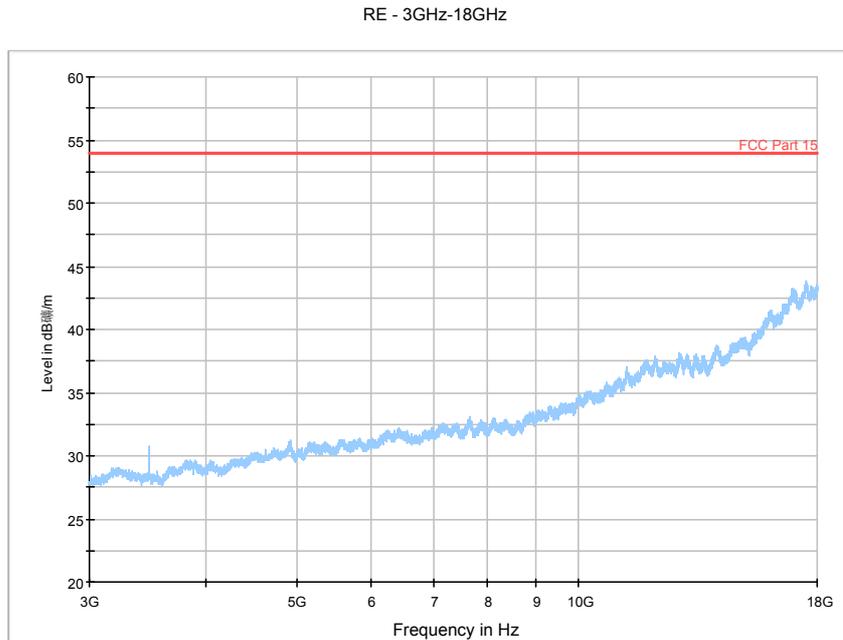
**Fig.A.6.2.34 Radiated Spurious Emission (Power): 802.11n-40MHz, Ch3, 2.38 GHz - 2.45GHz**



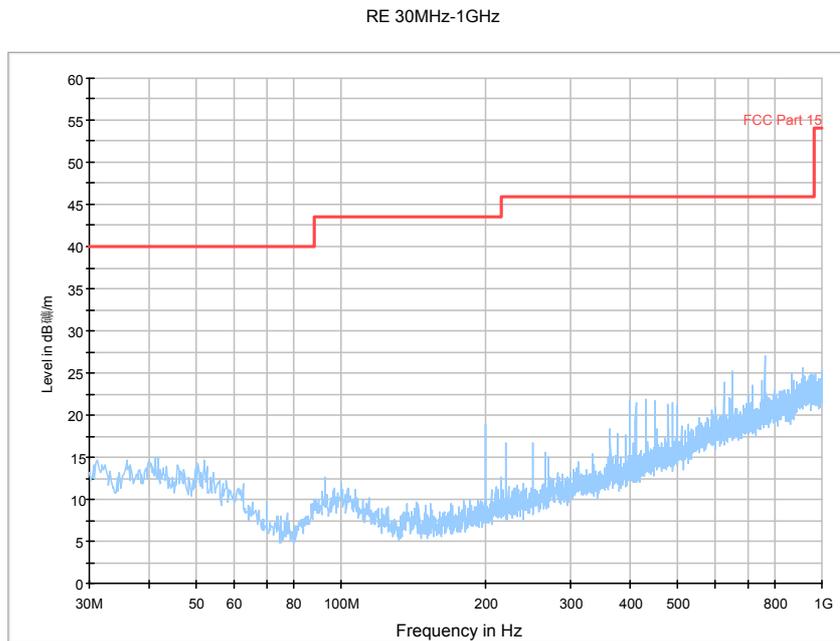
**Fig.A.6.2.35 Radiated Spurious Emission (802.11n-40MHz, Ch3, 30 MHz-1 GHz)**



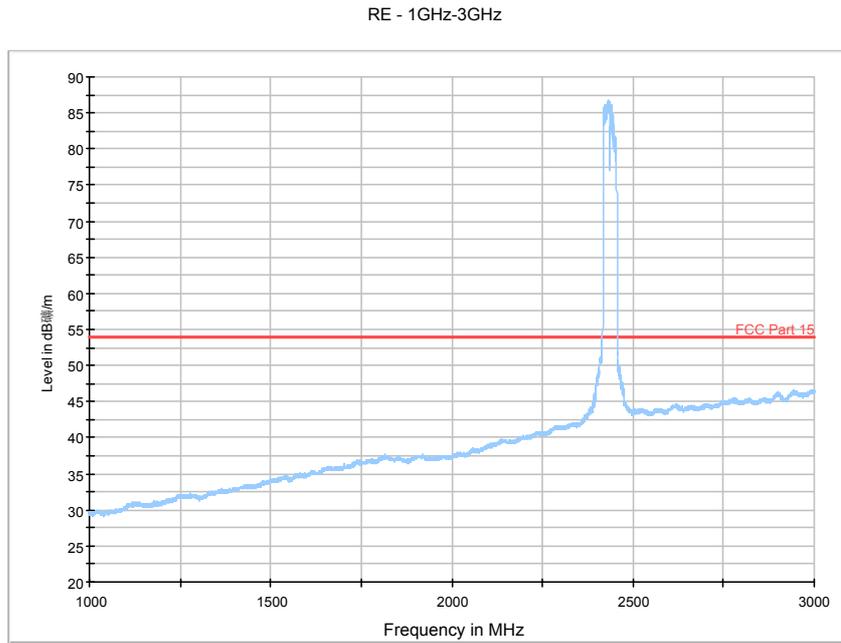
**Fig.A.6.2.36 Radiated Spurious Emission (802.11n-40MHz, Ch3, 1 GHz-3 GHz)**



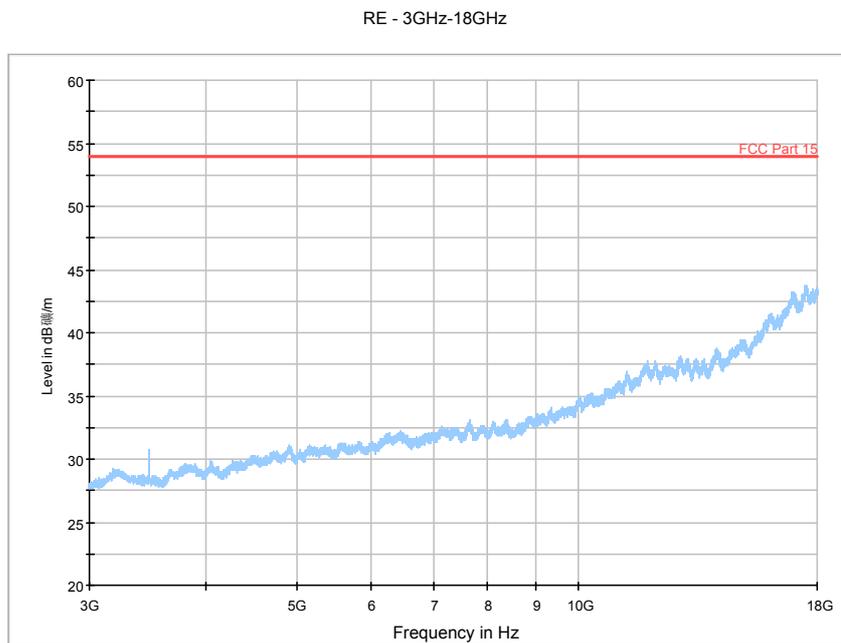
**Fig.A.6.2.37 Radiated Spurious Emission (802.11n-40MHz, Ch3, 3 GHz-18 GHz)**



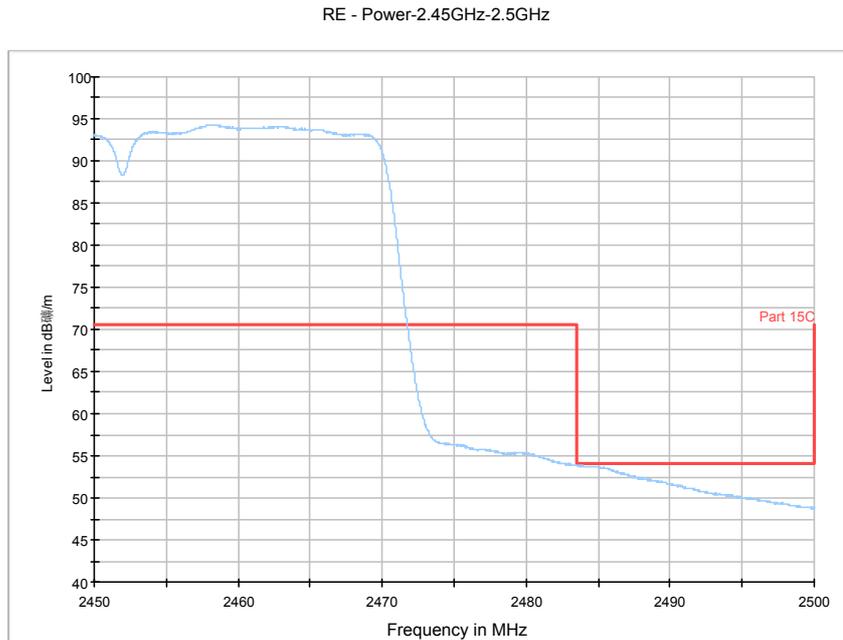
**Fig.A.6.2.38 Radiated Spurious Emission (802.11n-40MHz, Ch6, 30 MHz-1 GHz)**



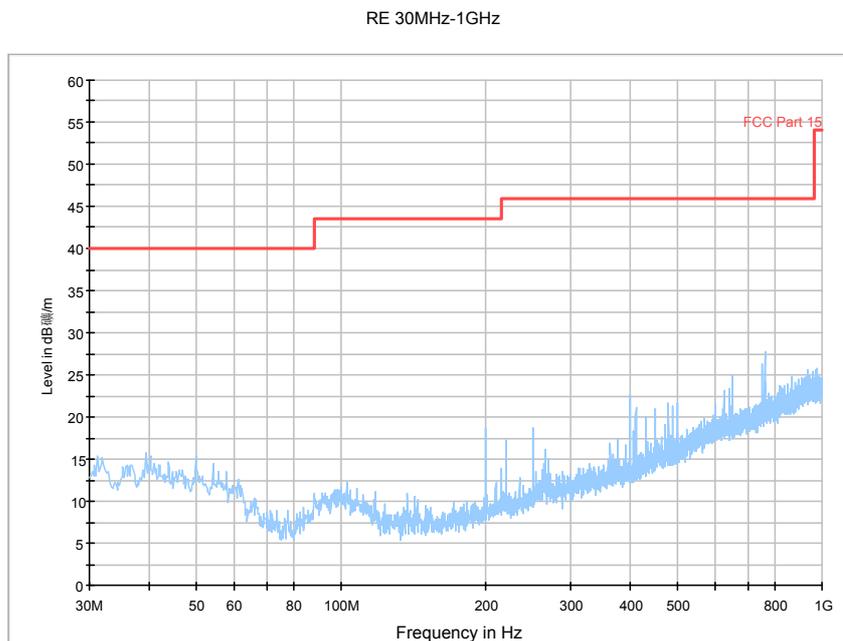
**Fig.A.6.2.39 Radiated Spurious Emission (802.11n-40MHz, Ch6, 1 GHz-3 GHz)**



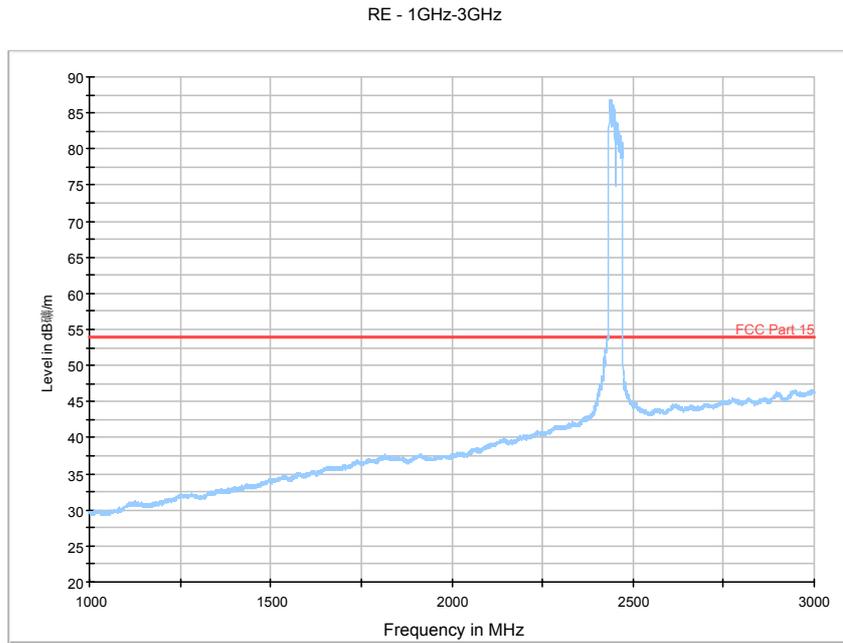
**Fig.A.6.2.40 Radiated Spurious Emission (802.11n-40MHz, Ch6, 3 GHz-18 GHz)**



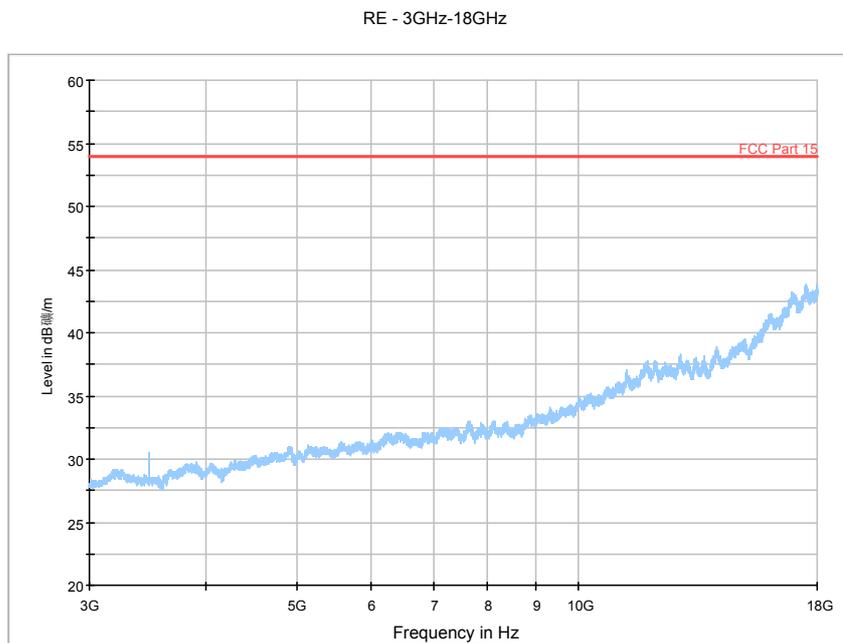
**Fig.A.6.2.41 Radiated Spurious Emission (Power): 802.11n-40MHz, Ch9, 2.45 GHz - 2.50GHz**



**Fig.A.6.2.42 Radiated Spurious Emission (802.11n-40MHz, Ch9, 30 MHz-1 GHz)**

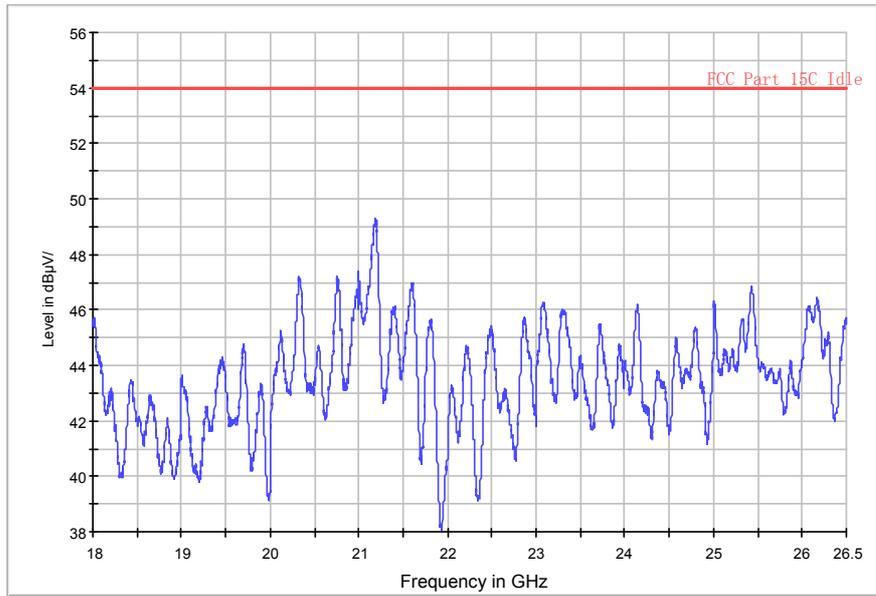


**Fig.A.6.2.43 Radiated Spurious Emission (802.11n-40MHz, Ch9, 1 GHz-3 GHz)**



**Fig.A.6.2.44 Radiated Spurious Emission (802.11n-40MHz, Ch9, 3 GHz-18 GHz)**

EMI 18GHz-26.5GHz



**Fig.A.6.2.45 Radiated Spurious Emission (All channels): 18GHz – 26.5GHz**

### A.7. AC Powerline Conducted Emission

**Test Condition:**

Voltage (V)	Frequency (Hz)
120	60

**Measurement Result and limit:**

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)				Conclusion
		With charger				
		802.11b	802.11g	802.11n (HT20)	802.11n (HT40)	
0.15 to 0.5	66 to 56	Fig.A.7.1	Fig.A.7.2	Fig.A.7.3	Fig.A.7.4	<b>P</b>
0.5 to 5	56					
5 to 30	60					

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dB $\mu$ V)	Result (dB $\mu$ V)				Conclusion
		With charger				
		802.11b	802.11g	802.11n (HT20)	802.11n (HT40)	
0.15 to 0.5	56 to 46	Fig.A.7.1	Fig.A.7.2	Fig.A.7.3	Fig.A.7.4	<b>P</b>
0.5 to 5	46					
5 to 30	50					

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

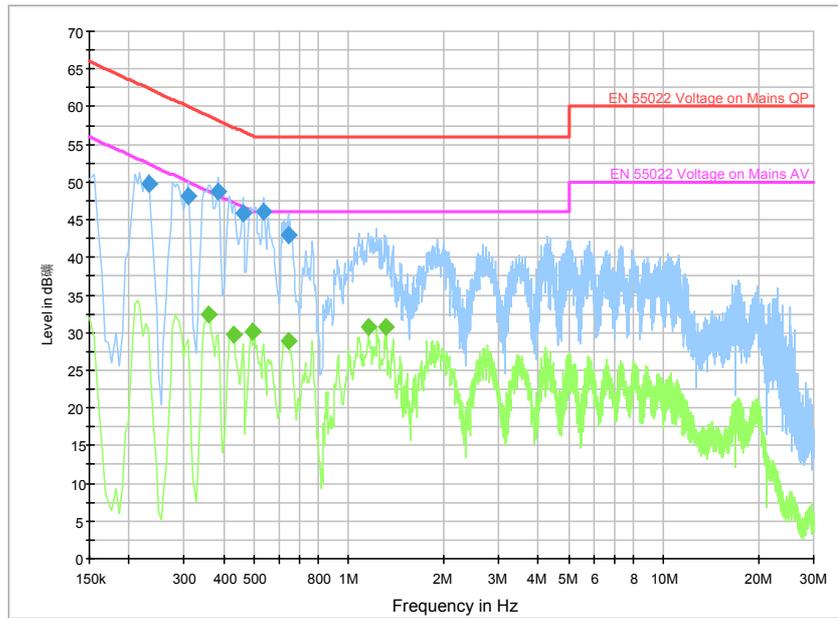
The measurement is made according to KDB558074.

**Conclusion: Pass**

**Measurement uncertainty:**

Expanded measurement uncertainty for this test item is U =3.2dB, k=2.

**Test graphs as below:**



**Fig.A.7.1 AC Powerline Conducted Emission-802.11b**

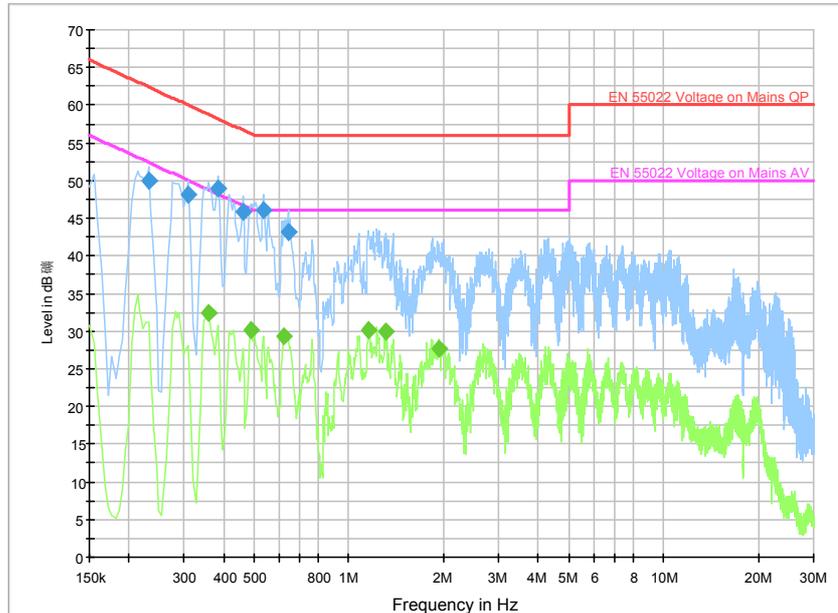
Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.231001	49.8	GND	N	9.0	12.6	62.4
0.307501	48.1	GND	L1	9.1	12.0	60.0
0.384001	48.8	GND	L1	9.4	9.4	58.2
0.460501	45.8	GND	L1	9.6	10.8	56.7
0.537001	46.1	GND	L1	9.9	9.9	56.0
0.640501	43.0	GND	L1	9.9	13.0	56.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.357001	32.5	GND	N	9.4	16.3	48.8
0.429001	29.7	GND	L1	9.5	17.5	47.3
0.496501	30.2	GND	L1	9.7	15.9	46.1
0.640501	29.0	GND	N	9.9	17.0	46.0
1.153501	30.8	GND	L1	9.8	15.2	46.0
1.315501	30.7	GND	L1	9.8	15.3	46.0



**Fig.A.7.2 AC Powerline Conducted Emission-802.11g**

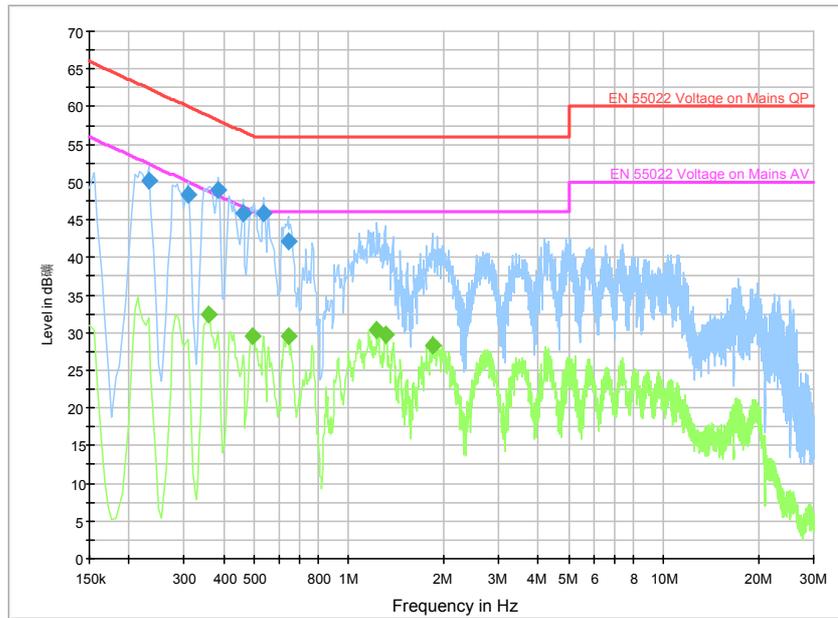
Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.231001	50.1	GND	L1	8.8	12.4	62.4
0.307501	48.2	GND	L1	9.1	11.9	60.0
0.384001	48.9	GND	L1	9.4	9.3	58.2
0.460501	45.8	GND	L1	9.6	10.9	56.7
0.537001	46.1	GND	L1	9.9	9.9	56.0
0.640501	43.1	GND	L1	9.9	12.9	56.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.357001	32.5	GND	N	9.4	16.3	48.8
0.487501	30.2	GND	L1	9.7	16.0	46.2
0.622501	29.3	GND	L1	9.9	16.7	46.0
1.153501	30.1	GND	L1	9.8	15.9	46.0
1.306501	30.0	GND	L1	9.8	16.0	46.0
1.936501	27.6	GND	L1	9.9	18.4	46.0



**Fig.A.7.3 AC Powerline Conducted Emission-802.11n-20MHz**

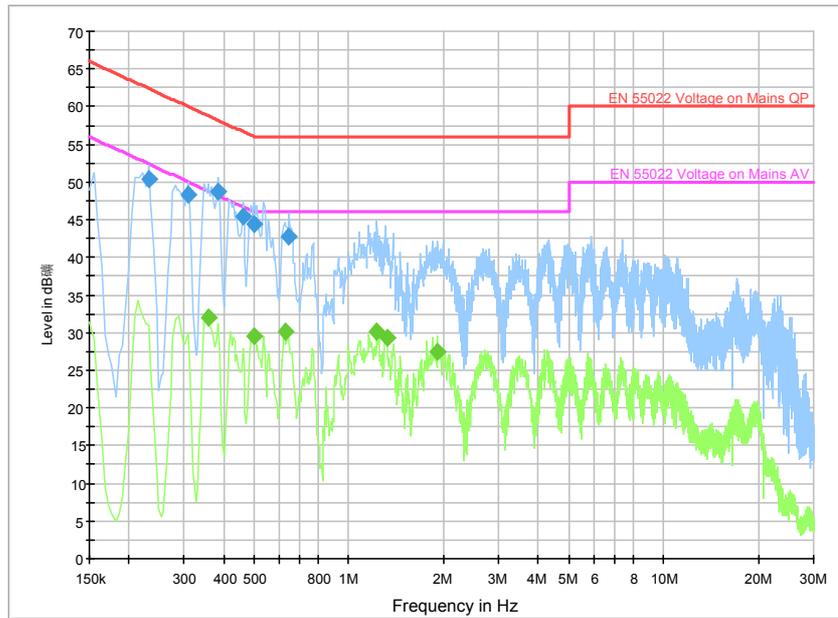
Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.231001	50.3	GND	L1	8.8	12.2	62.4
0.307501	48.3	GND	L1	9.1	11.8	60.0
0.384001	48.9	GND	L1	9.4	9.3	58.2
0.460501	45.8	GND	L1	9.6	10.9	56.7
0.537001	45.9	GND	L1	9.9	10.1	56.0
0.640501	42.0	GND	L1	9.9	14.0	56.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.357001	32.4	GND	N	9.4	16.4	48.8
0.496501	29.6	GND	L1	9.7	16.4	46.1
0.640501	29.4	GND	L1	9.9	16.6	46.0
1.230001	30.4	GND	L1	9.8	15.6	46.0
1.306501	29.7	GND	L1	9.8	16.3	46.0
1.842001	28.4	GND	L1	9.9	17.6	46.0



**Fig.A.7.4 AC Powerline Conducted Emission-802.11n-40MHz**

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.231001	50.4	GND	L1	8.8	12.0	62.4
0.307501	48.3	GND	L1	9.1	11.8	60.0
0.384001	48.8	GND	L1	9.4	9.4	58.2
0.460501	45.4	GND	L1	9.6	11.3	56.7
0.501001	44.4	GND	L1	9.7	11.6	56.0
0.645001	42.7	GND	L1	9.9	13.3	56.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.357001	32.0	GND	N	9.4	16.8	48.8
0.501001	29.5	GND	N	9.8	16.5	46.0
0.627001	30.1	GND	L1	9.9	15.9	46.0
1.230001	30.1	GND	L1	9.8	15.9	46.0
1.320001	29.2	GND	L1	9.8	16.8	46.0
1.918501	27.5	GND	L1	9.9	18.5	46.0

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