



**FCC PART 15C  
TEST REPORT  
No. I14N00603-WLAN**

**For**

**ZTE Corporation**

**WCDMA/GSM digital mobile phone**

**Model Name: ZTE V815W**

**Marketing Name: /**

**With**

**Hardware Version: TMBI**

**Software Version: ZTE-CN-QB18S-P172R10V1.0.0**

**FCC ID: SRQ-ZTEV815W**

**Issued Date: June 24<sup>th</sup>, 2014**

**Test Laboratory:**

***FCC 2.948 Listed: No.310359***

***IC O.A.T.S listed: No.6629C-1***

**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 Shenzhen, Telecommunication Metrology Center of MIIT  
Address: No. 12 Building, Shangsha Innovation and Technology Park, Futian District, Shenzhen, P. R. China  
Postal Code: 518048  
Telephone: +86(0)755-33322000  
Fax: +86(0)755-33322001

### 1.2. Testing Environment

Normal Temperature: 15°C-30°C  
Extreme Temperature: -20°C/+55°C  
Relative Humidity: 30%-60%

### 1.3. Project data

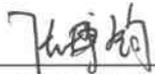
Project Leader: Zhang Bojun  
Test Engineer: Tang Weisheng  
Testing Start Date: June 10<sup>th</sup>, 2014  
Testing End Date: June 24<sup>th</sup>, 2014

### 1.4. Signature



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**Tang Weisheng**  
**(Prepared this test report)**



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**Zhang Bojun**  
**(Reviewed this test report)**



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**Lu Minniu**  
**Director of the laboratory**  
**(Approved this test report)**

## **2. Client Information**

### **2.1. Applicant Information**

Company Name: ZTE Corporation  
Address /Post: ZTE Plaza, Keji Road South , Shenzhen,China  
City: Shenzhen  
Country: China  
Telephone: /  
Fax: /

### **2.2. Manufacturer Information**

Company Name: ZTE Corporation  
Address /Post: ZTE R&D Center(Nanjing),No.6 Huasheng Avenue,  
Yuhua District,Nanjing,China  
City: Nanjing  
Country: China  
E-mail: yang.man@zte.com.cn  
Telephone: +86 18951808033  
Fax: /

### **3. Equipment Under Test (EUT) and Ancillary Equipment (AE)**

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

Description	WCDMA/GSM digital mobile phone
Model Name	ZTE V815W
Market Name	/
RF Protocol	IEEE 802.11b/g/n20/n40
Operating Frequency	2412MHz~2462MHz
FCC ID	SRQ-ZTEV815W

Note: Photographs of EUT are shown in ANNEX A of this test report.

#### **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	/	TMBI	ZTE-CN-QB18S-P172R10V1.0.0

#### **3.3. Internal Identification of AE used during the test**

<b>AE ID*</b>	<b>Description</b>	<b>Type</b>	<b>SN</b>
AE1	Li-ion Battery	Li3712T42P3h634445	/
AE2	Charger	STC-A22O501700USBA-Z	/

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

## 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 Edition
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	Measurement of Digital Transmission Systems Operating under Section 15.247	June, 2014

## 5. Laboratory Environment

**Half-anechoic chamber** (11.20 metersx6.10 metersx5.60 meters) did not exceed following limits:

Temperature	Min. = 15 °C, Max. = 30 °C
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 2M Ω
Ground system resistance	< 0.5 Ω
Normalized Site Attenuation (NSA)	< ±3.5dB, with 3m of Measuring distance, 30MHz 1000MHz
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

**Fully-anechoic chamber** (11.20 metersx6.10 metersx6.60 meters) did not exceed following limits:

Temperature	Min. = 15 °C, Max. = 30 °C
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 2M Ω
Ground system resistance	< 0.5 Ω
VSWR	Between 0 and 6 dB, from 30MHz to 18 000 MHz

**Conduction Lab** did not exceed following limits:

Temperature	Min.=15 °C, Max.=30 °C
Relative humidity	Min.=30 %, Max.= 60 %
Shielding effectiveness	> 80 dB
Electrical insulation	> 2M Ω
Ground system resistance	< 0.5 Ω

## 6. Summary of Test Results

### 6.1. Summary of Test Results

No	Test cases	Sub-clause of Part15C	Verdict
0	Antenna Requirement	15.203	<b>P</b>
1	Maximum Peak Output Power	15.247 (b)	<b>P</b>
2	Peak Power Spectral Density	15.247 (e)	<b>P</b>
3	Occupied 6dB Bandwidth	15.247 (a)	<b>P</b>
4	Band Edges Compliance	15.247 (d)	<b>P</b>
5	Transmitter Spurious Emission - Conducted	15.247 (d)	<b>P</b>
6	Transmitter Spurious Emission - Radiated	15.247, 15.205, 15.209	<b>P</b>
7	AC Powerline Conducted Emission	15.107, 15.207	<b>P</b>

### 6.2. Statements

TMC has evaluated the test cases requested by the applicant/manufacture 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 4.2

### 6.3. Terms used in the result table

Terms used in Verdict column

P	Pass
NA	Not Available
F	Fail

Abbreviations

AC	Alternating Current
AFH	Adaptive Frequency Hopping
BW	Band Width
E.I.R.P.	equivalent isotropical radiated power
ISM	Industrial, Scientific and Medical
R&TTE	Radio and Telecommunications Terminal Equipment
RF	Radio Frequency
Tx	Transmitter

## 7. Test Equipments Utilized

### Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Vector Signal Analyzer	FSV40	100903	Rohde & Schwarz	2015-04-22	1 year

### Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Chamber	FACT5-2.0	4166	ETS-Lindgren	2016-05-29	3 years
2	Test Receiver	ESCI	100701	Rohde & Schwarz	2014-07-31	1 year
3	Spectrum Analyzer	FSP40	100378	Rohde & Schwarz	2014-12-20	1 year
4	BiLog Antenna	VULB9163	9163-329	Schwarzbeck	2017-01-20	3 years
5	Test Receiver	ESCI	100702	Rohde & Schwarz	2014-07-31	1 year
6	LISN	ESH2-Z5	100196	Rohde & Schwarz	2015-01-14	1 year
7	Signal Generator	SMR40	100541	Rohde & Schwarz	2014-12-26	1 year
8	Dual-Ridge Waveguide Horn Antenna	3117	00066577	ETS-Lindgren	2016-04-01	3 years
9	Loop Antenna	HLA6120	35779	TESEQ	2016-02-25	3 years
10	EMI Antenna	3160-09	00118383	ETS-Lindgren	2015-09-05	3 years

### Anechoic chamber

Fully anechoic chamber by ETS-Lindgren.

**ANNEX A: EUT photograph**



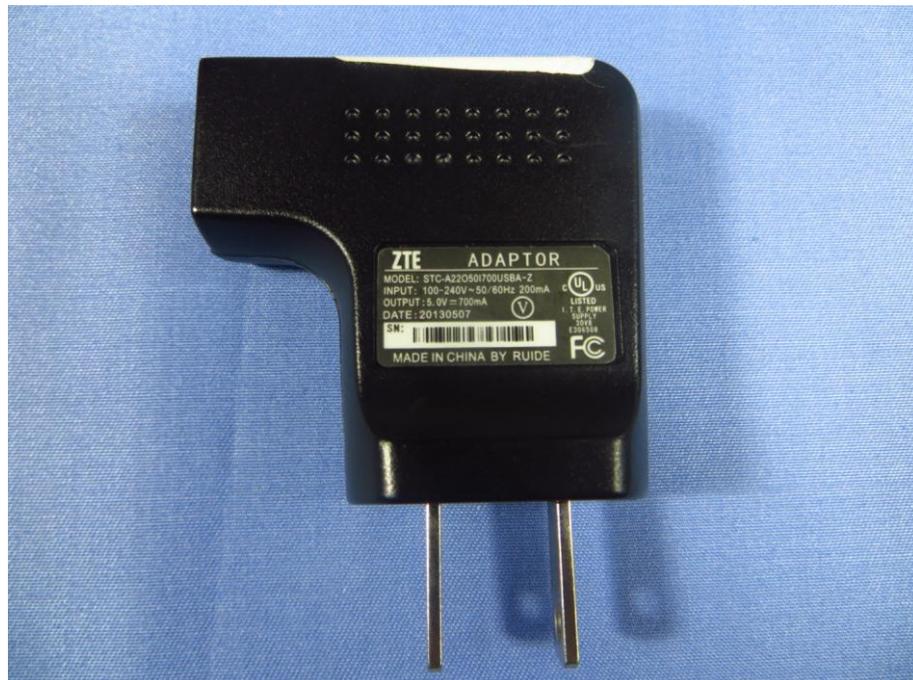
**Pic A-1 Mobile phone**



**Pic A-2 Mobile phone**



Pic A-3 Battery



Pic A-4 Charger

## ANNEX B: MEASUREMENT RESULTS

### B.0 Antenna requirement

**Measurement Limit:**

Standard	Requirement
<p>FCC CRF Part 15.203</p>	<p>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, § 15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.</p>

**Conclusion: The Directional gains of antenna used for transmitting is -3.88 dBi.  
The RF transmitter uses an integrate antenna without connector.**

## B.1 Maximum Average Output Power

### Measurement Limit and Method:

Standard	Limit (dBm)
FCC CRF Part 15.247(b)(1)	< 30

### Test Condition:

RF Protocol	RBW	VBW	SPAN	Sweeptime
IEEE 802.11b/g/n20	1MHz	3MHz	30MHz	Auto
IEEE 802.11n40	1MHz	3MHz	60MHz	Auto

### Measurement Results:

#### 802.11b/g mode

Mode	Data Rate (Mbps)	Test Result (dBm)		
		2412MHz (Ch1)	2437MHz (Ch6)	2462 MHz (Ch11)
802.11b	1	10.11	10.38	10.29
	2	9.91	10.37	10.33
	5.5	9.23	9.98	10.08
	11	8.46	9.68	9.61
802.11g	6	10.60	10.33	10.18
	9	9.67	10.14	10.05
	12	9.48	9.94	9.67
	18	9.18	9.65	9.32
	24	8.86	9.28	8.99
	36	8.36	8.34	8.48
	48	9.66	7.84	8.01
	54	7.42	7.67	7.87

**802.11n mode**

Mode	Data Rate (MCS Index)	Test Result (dBm)		
		2412MHz (Ch1)	2437MHz (Ch6)	2462 MHz (Ch11)
802.11n (20MHz BW)	MCS0	9.88	10.31	10.27
	MCS1	9.50	9.94	9.68
	MCS2	9.17	9.58	9.33
	MCS3	8.79	8.85	9.02
	MCS4	8.36	8.34	8.53
	MCS5	7.66	7.91	8.11
	MCS6	7.52	7.73	7.94
	MCS7	7.30	7.53	7.78

Mode	Data Rate (MCS Index)	Test Result (dBm)		
		2422MHz (Ch3)	2437MHz (Ch6)	2452 MHz (Ch9)
802.11n (40MHz BW)	MCS0	9.78	9.49	9.77
	MCS1	8.70	8.82	8.91
	MCS2	8.30	8.29	8.38
	MCS3	7.79	7.91	7.94
	MCS4	7.17	7.04	7.28
	MCS5	6.45	6.58	6.82
	MCS6	6.23	6.36	6.60
	MCS7	6.16	6.28	6.48

**Conclusion: Pass**

## B.2 Peak Power Spectral Density

### Measurement Limit:

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

### Measurement Results:

#### 802.11b/g mode

Mode	Channel	Peak Power Spectral Density (dBm)		Conclusion
802.11b	1	Fig.1	-11.33	P
	6	Fig.2	-12.04	P
	11	Fig.3	-12.26	P
802.11g	1	Fig.4	-14.33	P
	6	Fig.5	-13.72	P
	11	Fig.6	-14.28	P

#### 802.11n mode

Mode	Channel	Peak Power Spectral Density(dBm)		Conclusion
802.11n-20M	1	Fig.7	-14.13	P
	6	Fig.8	-14.91	P
	11	Fig.9	-14.92	P
802.11n-40M	3	Fig.10	-18.02	P
	6	Fig.11	-14.58	P
	9	Fig.12	-18.26	P

See ANNEX C for test graphs.

Conclusion: Pass

### B.3 Occupied 6dB Bandwidth

**Measurement Limit:**

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

**Measurement Result:**

**802.11b/g mode**

Mode	Channel	Test Results ( kHz)		conclusion
802.11b	1	Fig.13	7988	P
	6	Fig.14	7988	P
	11	Fig.15	7988	P
802.11g	1	Fig.16	16498	P
	6	Fig.17	16411	P
	11	Fig.18	16324	P

**802.11n mode**

Mode	Channel	Test Results ( kHz)		conclusion
802.11n (20MHz)	1	Fig.19	17496	P
	6	Fig.20	17496	P
	11	Fig.21	17627	P
802.11n (40MHz)	3	Fig.22	35080	P
	6	Fig.23	34038	P
	9	Fig.24	34993	P

See ANNEX C for test graphs.

**Conclusion: Pass**

## B.4 Band Edges Compliance

### Measurement Limit:

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

### Measurement Result:

#### 802.11b/g mode

Mode	Channel	Test Results	Conclusion
802.11b	1	Fig.25	P
	11	Fig.26	P
802.11g	1	Fig.27	P
	11	Fig.28	P

#### 802.11n mode

Mode	Channel	Test Results	Conclusion
802.11n (20MHz)	1	Fig.29	P
	11	Fig.30	P
802.11n (40MHz)	3	Fig.31	P
	9	Fig.32	P

See ANNEX C for test graphs.

**Conclusion: Pass**

## B.5 Transmitter Spurious Emission

### B.5.1 Transmitter Spurious Emission - Conducted

**Measurement Limit:**

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

**Measurement Results:**

**802.11b/g mode**

MODE	Channel	Frequency Range	Test Results	Conclusion
802.11b	1	2.412 GHz	Fig.33	P
		30 MHz-3 GHz	Fig.34	P
		3GHz-18GHz	Fig.35	P
	6	2.437 GHz	Fig.36	P
		30 MHz-3 GHz	Fig.37	P
		3GHz-18GHz	Fig.38	P
	11	2.462 GHz	Fig.39	P
		30 MHz-3 GHz	Fig.40	P
		3GHz-18GHz	Fig.41	P
802.11g	1	2.412 GHz	Fig.42	P
		30 MHz-3 GHz	Fig.43	P
		3GHz-18GHz	Fig.44	P
	6	2.437 GHz	Fig.45	P
		30 MHz-3 GHz	Fig.46	P
		3GHz-18GHz	Fig.47	P
	11	2.462 GHz	Fig.48	P
		30 MHz-3 GHz	Fig.49	P
		3GHz-18GHz	Fig.50	P

**802.11n mode**

802.11n (20MHz)	1	2.412 GHz	Fig.51	P
		30 MHz-3 GHz	Fig.52	P
		3GHz-18GHz	Fig.53	P
	6	2.437 GHz	Fig.54	P
		30 MHz-3 GHz	Fig.55	P
		3GHz-18GHz	Fig.56	P
	11	2.462 GHz	Fig.57	P
		30 MHz-3 GHz	Fig.58	P
		3GHz-18GHz	Fig.59	P
802.11n (40MHz)	3	2.422 GHz	Fig.60	P
		30 MHz-3 GHz	Fig.61	P
		3GHz-18GHz	Fig.62	P
	6	2.437 GHz	Fig.63	P
		30 MHz-3 GHz	Fig.64	P
		3GHz-18GHz	Fig.65	P
	9	2.452 GHz	Fig.66	P
		30 MHz-3 GHz	Fig.67	P
		3GHz-18GHz	Fig.68	P
/	All channels	18GHz-26GHz	Fig.69	P

**See ANNEX C for test graphs.**

**Conclusion: Pass**

### B.5.2 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)).

#### Limit in restricted band:

Frequency of emission (MHz)	Field strength( $\mu$ V/m)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

#### 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

#### Note:

According to the performance evaluation, the radiated emission margin of EUT is over 20dB in the band below 30MHz. Therefore, the measurement starts from 30MHz to tenth harmonic.

The measurement results include the horizontal polarization and vertical polarization measurements.

#### Measurement Results:

**802.11b/g mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11b	1	30 MHz ~1 GHz	Fig.70	P
		1 GHz ~ 18 GHz	Fig.71	P
	6	30 MHz ~1 GHz	Fig.72	P
		1 GHz ~ 18 GHz	Fig.73	P
	11	30 MHz ~1 GHz	Fig.74	P
		1 GHz ~ 18 GHz	Fig.75	P
	Power(CH1)	2.38 GHz ~ 2.45 GHz	Fig.76	P
Power(CH11)	2.45 GHz ~ 2.5 GHz	Fig.77	P	
802.11g	1	30 MHz ~1 GHz	Fig.78	P
		1 GHz ~ 18 GHz	Fig.79	P
	6	30 MHz ~1 GHz	Fig.80	P
		1 GHz ~ 18 GHz	Fig.81	P
	11	30 MHz ~1 GHz	Fig.82	P
		1 GHz ~ 18 GHz	Fig.83	P
	Power(CH1)	2.38 GHz ~ 2.45 GHz	Fig.84	P
Power(CH11)	2.45 GHz ~ 2.5 GHz	Fig.85	P	

**802.11n mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (20M)	1	30 MHz ~1 GHz	Fig.86	P
		1 GHz ~ 18 GHz	Fig.87	P
	6	30 MHz ~1 GHz	Fig.88	P
		1 GHz ~ 18 GHz	Fig.89	P
	11	30 MHz ~1 GHz	Fig.90	P
		1 GHz ~ 18 GHz	Fig.91	P
	Power(CH1)	2.38 GHz ~ 2.45 GHz	Fig.92	P
Power(CH11)	2.45 GHz ~ 2.5 GHz	Fig.93	P	
802.11n (40M)	3	30 MHz ~1 GHz	Fig.94	P
		1 GHz ~ 18 GHz	Fig.95	P
	6	30 MHz ~1 GHz	Fig.96	P
		1 GHz ~ 18 GHz	Fig.97	P
	9	30 MHz ~1 GHz	Fig.98	P
		1 GHz ~ 18 GHz	Fig.99	P
	Power(CH3)	2.38 GHz ~ 2.45 GHz	Fig.100	P
Power(CH9)	2.45 GHz ~ 2.5 GHz	Fig.101	P	
/	All channels	18 GHz~ 26.5 GHz	Fig.102	P

**802.11b CH1 (1-18GHz)**

Frequency (MHz)	MaxPeak (dBμV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
14343.000	57.9	V	13.3	16.1	74.0
14966.000	57.9	H	13.7	16.1	74.0
15789.000	59.5	H	14.2	14.5	74.0
16308.000	60.1	V	14.9	13.9	74.0
16804.000	60.4	V	15.4	13.6	74.0
17845.000	60.8	H	15.8	13.2	74.0

Frequency (MHz)	Average (dBμV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
14973.000	45.9	V	13.8	8.1	54.0
4823.5000	47.1	H	5.4	6.9	54.0
15777.000	47.5	H	14.2	6.5	54.0
16313.000	47.6	V	14.9	6.4	54.0
17370.000	48.1	H	15.5	5.9	54.0
16835.000	48.3	H	15.5	5.7	54.0

**802.11b CH 6(1-18GHz)**

Frequency (MHz)	MaxPeak (dBμV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
14024.000	57.7	H	12.0	16.3	74.0
15184.000	57.7	V	13.1	16.3	74.0
15830.000	59.3	H	14.4	14.7	74.0
16192.000	60.7	V	14.4	13.3	74.0
16747.000	60.4	H	15.0	13.6	74.0
17323.000	60.7	H	15.4	13.3	74.0

Frequency (MHz)	Average (dBμV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
14457.000	45.3	V	13.1	8.7	54.0
14981.000	46.0	H	13.7	8.0	54.0
15765.000	47.6	H	14.1	6.4	54.0
16207.000	47.6	H	14.4	6.4	54.0

16833.000	48.4	H	15.5	5.6	54.0
17319.000	48.3	H	15.4	5.7	54.0

**802.11b CH11 (1-18GHz)**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14512.000	58.1	H	12.8	15.9	74.0
15017.000	58.4	H	13.5	15.6	74.0
15827.000	59.9	V	14.4	14.1	74.0
16233.000	60.1	V	14.5	13.9	74.0
16751.000	60.5	V	15.1	13.5	74.0
17425.000	61.3	V	15.6	12.7	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14451.000	45.3	H	13.1	8.7	54.0
14992.000	46.0	H	13.7	8.0	54.0
15769.000	47.7	H	14.1	6.3	54.0
16202.000	47.7	H	14.4	6.3	54.0
16823.000	48.4	H	15.5	5.6	54.0
17342.000	48.2	H	15.5	5.8	54.0

**802.11g CH1 (1-18GHz)**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
4828.7500	59.5	H	5.4	14.5	74.0
15067.000	58.2	H	13.2	15.8	74.0
15719.000	59.4	V	14.0	14.6	74.0
16361.000	59.9	V	15.2	14.1	74.0
16827.000	60.2	H	15.5	13.8	74.0
17794.000	60.5	V	15.7	13.5	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14448.000	45.2	H	13.1	8.8	54.0
15050.000	46.0	H	13.3	8.0	54.0
15775.000	47.6	V	14.2	6.4	54.0
16189.000	47.7	V	14.4	6.3	54.0
16835.000	48.4	V	15.5	5.6	54.0
17285.000	48.1	H	15.4	5.9	54.0

**802.11g CH6 (1-18GHz)**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14159.000	57.8	V	12.4	16.2	74.0
14814.000	58.2	H	13.4	15.8	74.0
15689.000	59.4	H	13.9	14.6	74.0
16272.000	59.4	V	14.7	14.6	74.0
16789.000	60.7	V	15.3	13.3	74.0
17305.000	60.1	V	15.4	13.9	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14458.000	45.3	V	13.1	8.7	54.0
15049.000	46.1	V	13.3	7.9	54.0
15769.000	47.7	V	14.1	6.3	54.0
16274.000	47.8	V	14.7	6.2	54.0
16835.000	48.4	V	15.5	5.6	54.0
17316.000	48.1	V	15.4	5.9	54.0

**802.11g CH11 (1-18GHz)**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14444.000	57.4	V	13.1	16.6	74.0
14962.000	59.3	H	13.7	14.7	74.0
15818.000	59.9	H	14.3	14.1	74.0
16258.000	59.8	V	14.6	14.2	74.0

16777.000	61.5	H	15.2	12.5	74.0
17285.000	60.6	V	15.4	13.4	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14441.000	45.3	H	13.2	8.7	54.0
15050.000	46.1	H	13.3	7.9	54.0
15789.000	47.6	V	14.2	6.4	54.0
16328.000	47.9	V	15.0	6.1	54.0
16830.000	48.5	H	15.5	5.5	54.0
17347.000	48.5	H	15.5	5.5	54.0

**802.11n-20MHz CH1 (1-18GHz)**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14351.000	57.6	H	13.3	16.4	74.0
14983.000	58.7	H	13.7	15.3	74.0
15702.000	59.9	H	13.9	14.1	74.0
16275.000	60.2	V	14.7	13.8	74.0
16822.000	60.6	V	15.5	13.4	74.0
17898.000	60.6	V	15.8	13.4	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14504.000	45.4	V	12.8	8.6	54.0
15165.000	46.0	H	13.0	8.0	54.0
15768.000	47.7	H	14.1	6.3	54.0
16207.000	48.2	H	14.4	5.8	54.0
16827.000	48.7	V	15.5	5.3	54.0
17353.000	48.5	H	15.5	5.5	54.0

**802.11n-20MHz CH6 (1-18GHz)**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14368.000	57.5	V	13.4	16.5	74.0
14763.000	58.4	V	13.1	15.6	74.0
15686.000	59.8	V	13.9	14.2	74.0
16215.000	60.8	V	14.4	13.2	74.0
16732.000	60.8	H	15.0	13.2	74.0
17986.000	60.8	H	15.8	13.2	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14532.000	45.4	H	12.6	8.6	54.0
15055.000	46.1	H	13.2	7.9	54.0
15774.000	47.7	H	14.2	6.3	54.0
16277.000	48.0	H	14.7	6.0	54.0
16781.000	48.6	H	15.2	5.4	54.0
17370.000	48.4	H	15.5	5.6	54.0

**802.11n-20MHz CH11 (1-18GHz)**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14354.000	57.6	V	13.3	16.4	74.0
15072.000	59.0	V	13.1	15.0	74.0
15814.000	59.8	V	14.3	14.2	74.0
16274.000	60.2	H	14.7	13.8	74.0
16855.000	60.5	H	15.7	13.5	74.0
17768.000	61.3	H	15.7	12.7	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14482.000	45.4	V	12.9	8.6	54.0
15051.000	46.1	H	13.3	7.9	54.0
15777.000	47.7	V	14.2	6.3	54.0
16228.000	47.8	H	14.5	6.2	54.0

16843.000	48.6	H	15.6	5.4	54.0
17288.000	48.3	H	15.4	5.7	54.0

**802.11n-40MHz CH3 (1-18GHz)**

Frequency (MHz)	MaxPeak (dBμV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
14547.000	57.5	H	12.6	16.5	74.0
15096.000	58.7	H	13.0	15.3	74.0
15673.000	60.0	V	13.8	14.0	74.0
16309.000	60.5	H	14.9	13.5	74.0
16779.000	61.1	V	15.2	12.9	74.0
17330.00	60.8	H	15.5	13.2	74.0

Frequency (MHz)	Average (dBμV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
14537.000	45.3	V	12.6	8.7	54.0
15179.000	46.2	H	13.1	7.8	54.0
15683.000	48.0	H	13.9	6.0	54.0
16199.000	48.3	H	14.4	5.7	54.0
16833.000	49.0	H	15.5	5.0	54.0
17330.000	48.7	H	15.5	5.3	54.0

**802.11n-40MHz CH6 (1-18GHz)**

Frequency (MHz)	MaxPeak (dBμV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
14394.000	57.4	V	13.4	16.6	74.0
15166.000	58.0	V	13.0	16.0	74.0
15745.000	60.2	H	14.0	13.8	74.0
16231.000	60.1	H	14.5	13.9	74.0
16766.000	61.2	H	15.2	12.8	74.0
17301.000	61.0	H	15.4	13.0	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14529.000	45.5	H	12.6	8.5	54.0
15057.000	46.1	H	13.2	7.9	54.0
15782.000	47.8	H	14.2	6.2	54.0
16197.000	48.2	H	14.4	5.8	54.0
16815.000	48.9	H	15.4	5.1	54.0
17309.000	48.5	V	15.4	5.5	54.0

**802.11n-40MHz CH9 (1-18GHz)**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14401.000	58.0	H	13.4	16.0	74.0
15177.000	58.2	H	13.1	15.8	74.0
15721.000	59.7	H	14.0	14.3	74.0
16421.000	60.0	H	15.3	14.0	74.0
16823.000	61.3	H	15.5	12.7	74.0
17474.000	60.7	V	15.6	13.3	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14234.000	45.3	V	12.9	8.7	54.0
15167.000	45.9	V	13.0	8.1	54.0
15709.000	47.8	V	13.9	6.2	54.0
16230.000	48.3	V	14.5	5.7	54.0
16783.000	49.1	V	15.3	4.9	54.0
17290.000	48.5	V	15.4	5.5	54.0

See ANNEX C for test graphs.

**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:

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

## B.6 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
		Traffic	Idle	
0.15 to 0.5	66 to 56	Fig.103	Fig.104	P
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)

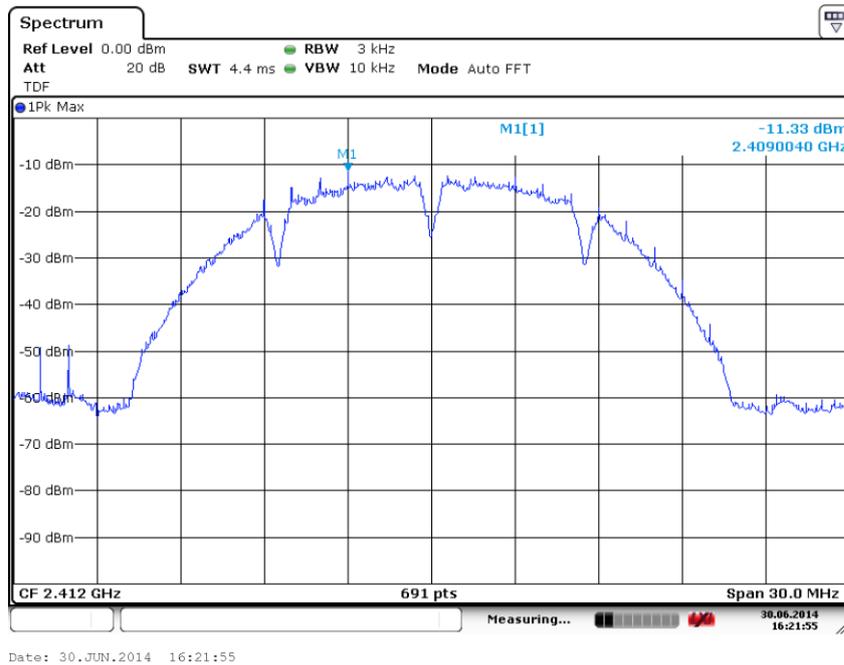
Frequency range (MHz)	Average-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Traffic	Idle	
0.15 to 0.5	56 to 46	Fig.103	Fig.104	P
0.5 to 5	46			
5 to 30	50			

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

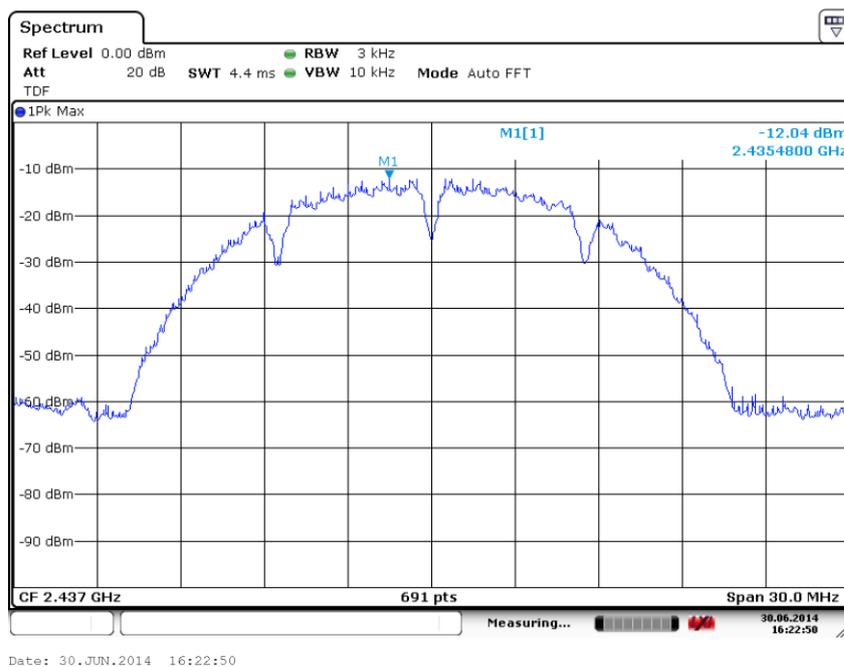
See ANNEX C for test graphs.

**Conclusion: Pass**

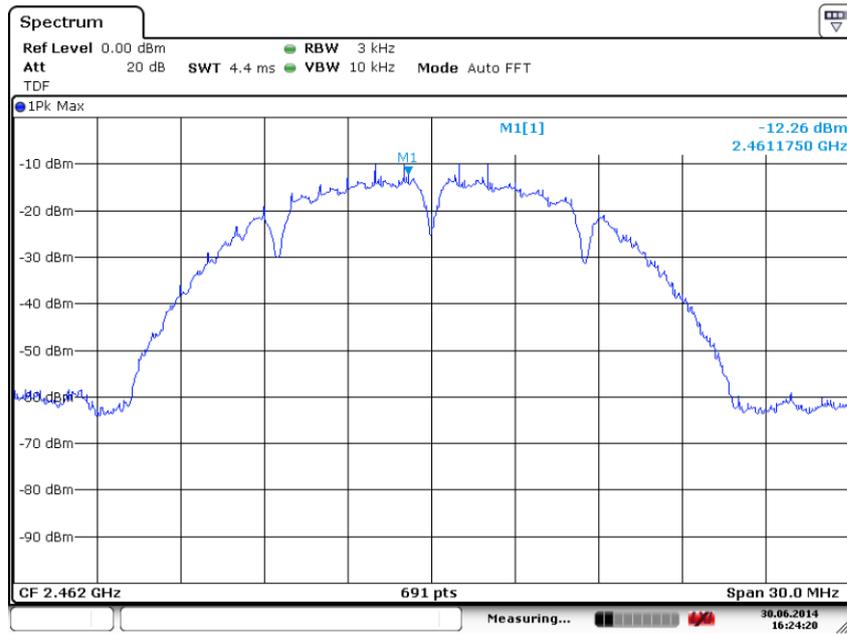
### ANNEX C: TEST FIGURE LIST



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

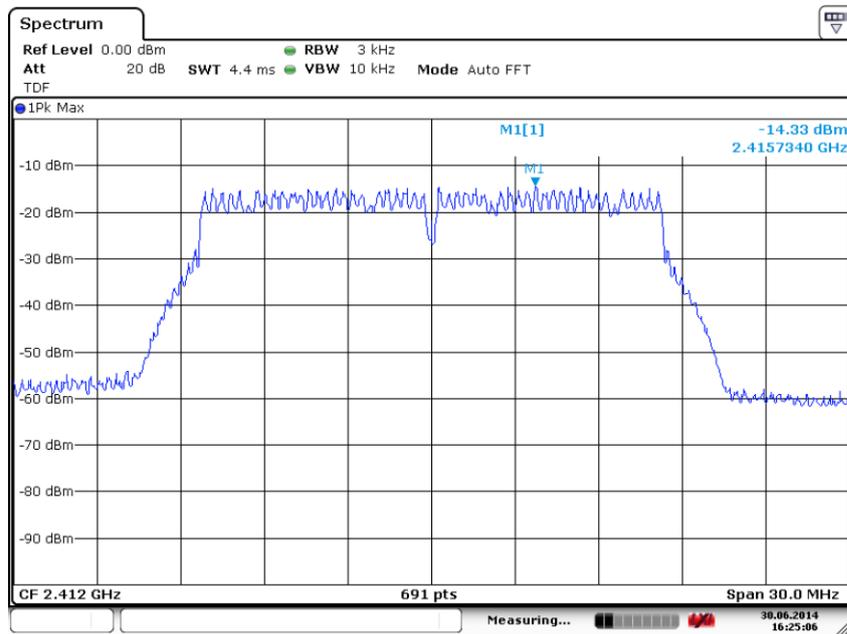


**Fig. 2 Power Spectral Density (802.11b, Ch 6)**



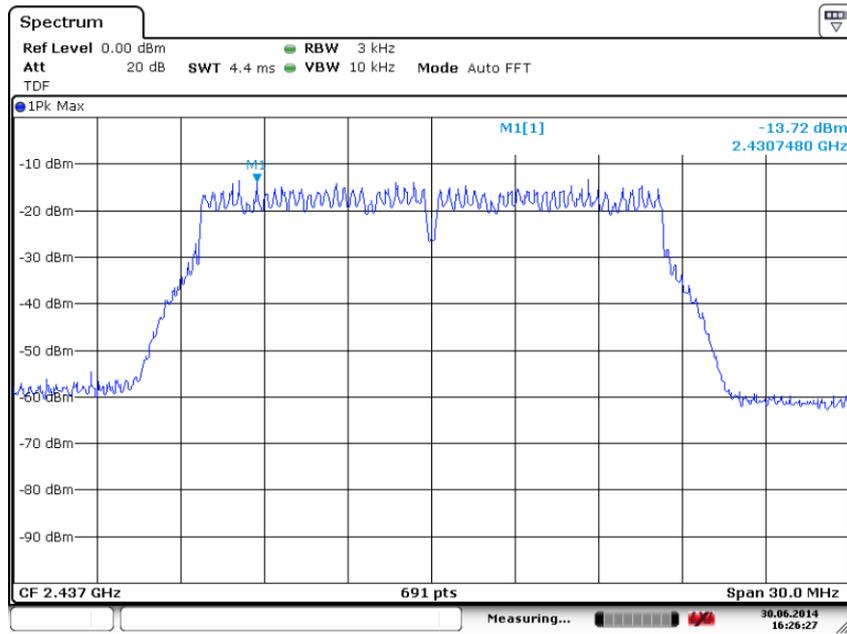
Date: 30.JUN.2014 16:24:20

**Fig. 3 Power Spectral Density (802.11b, Ch 11)**



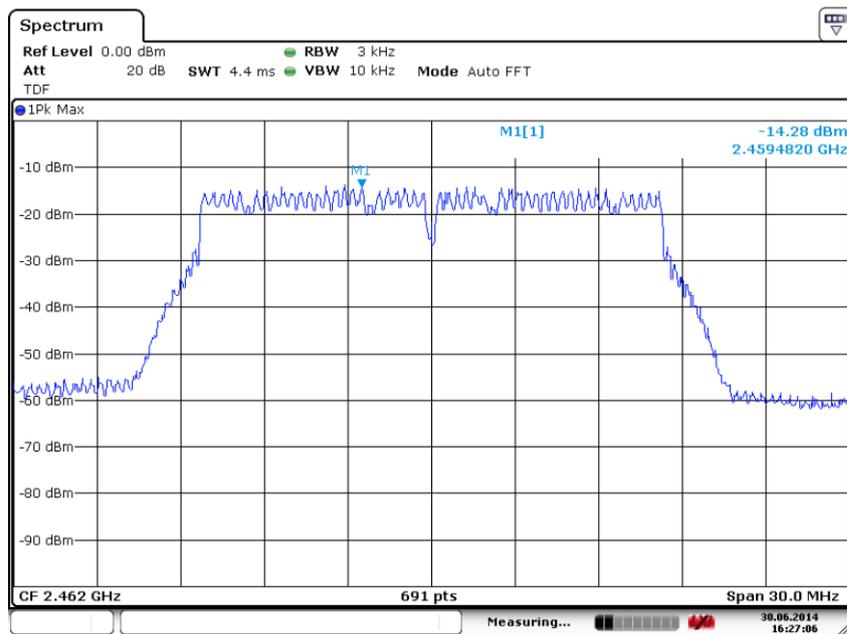
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**Fig. 4 Power Spectral Density (802.11g, Ch 1)**



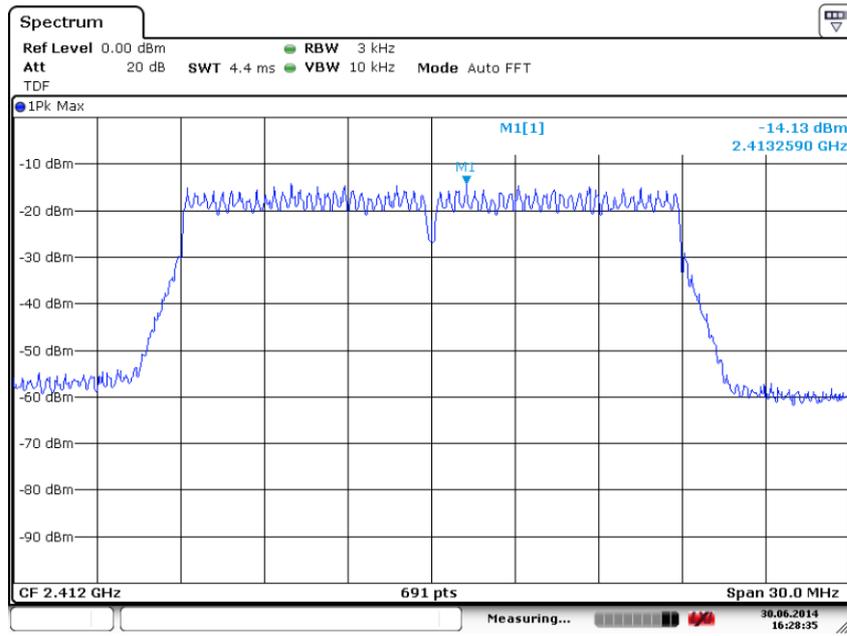
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**Fig. 5 Power Spectral Density (802.11g, Ch 6)**



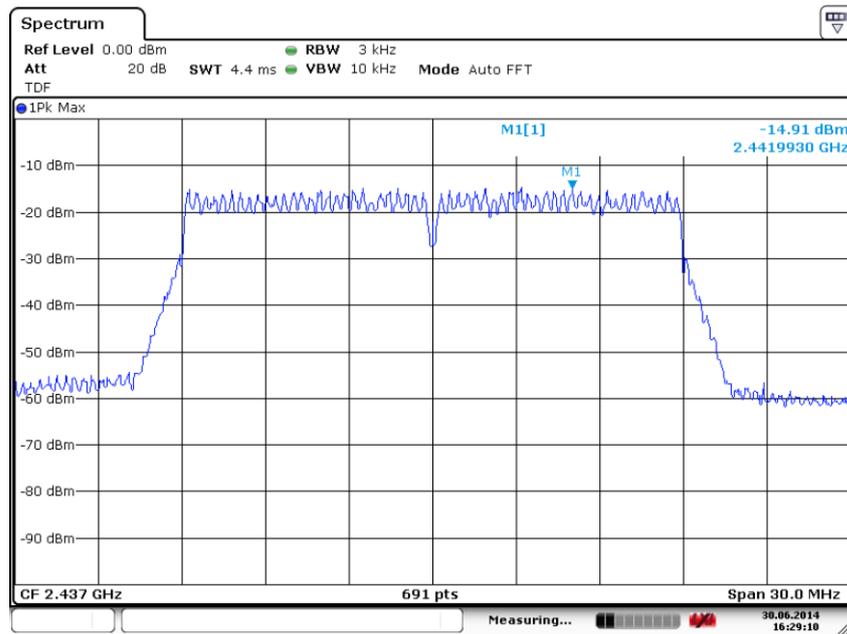
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**Fig. 6 Power Spectral Density (802.11g, Ch 11)**



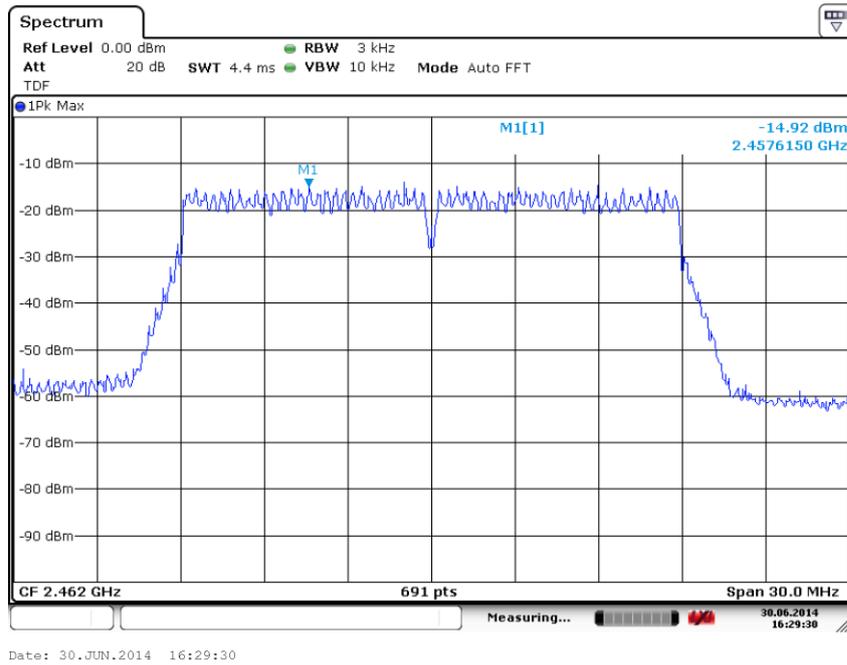
Date: 30.JUN.2014 16:28:35

**Fig. 7 Power Spectral Density (802.11n-20MHz, Ch 1)**

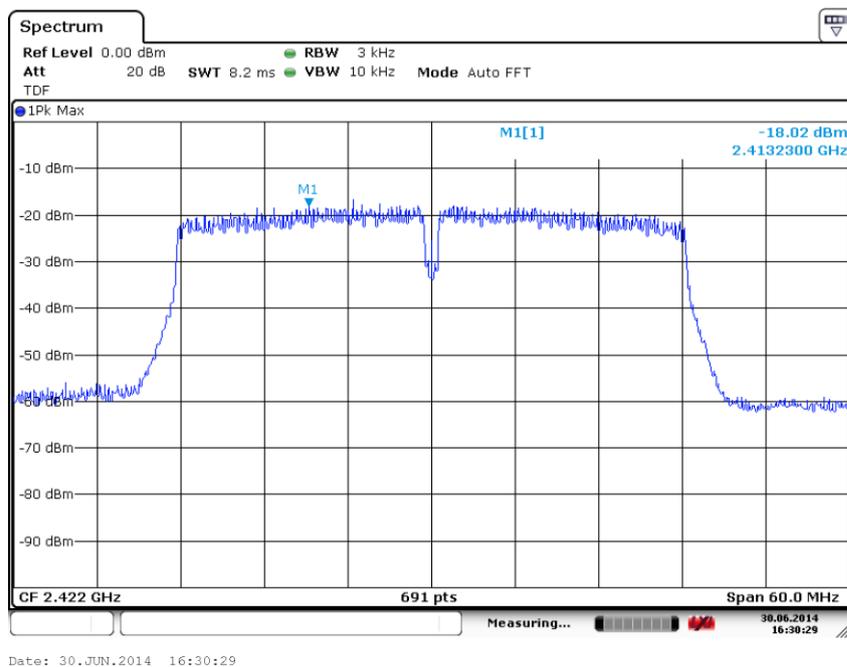


Date: 30.JUN.2014 16:29:10

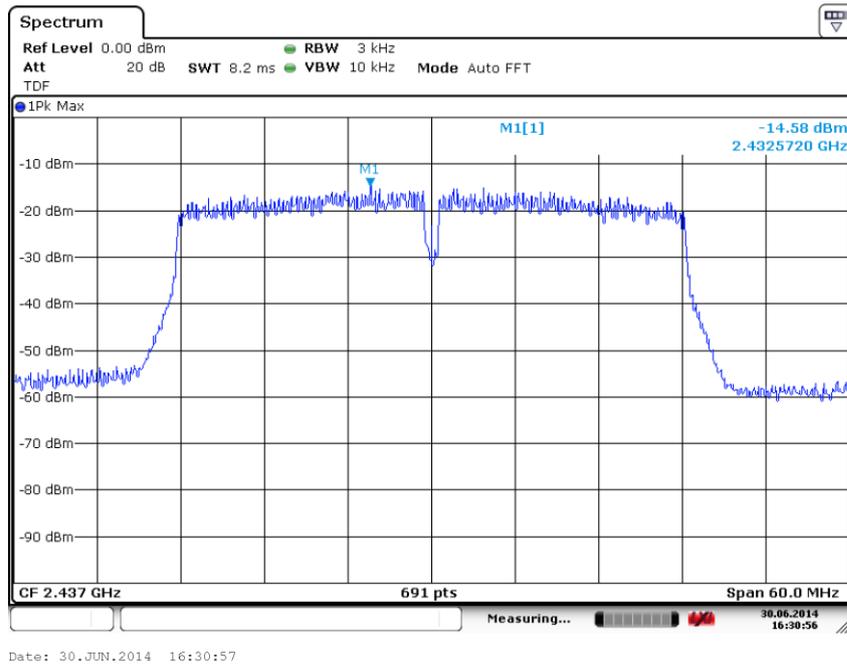
**Fig. 8 Power Spectral Density (802.11n-20MHz, Ch 6)**



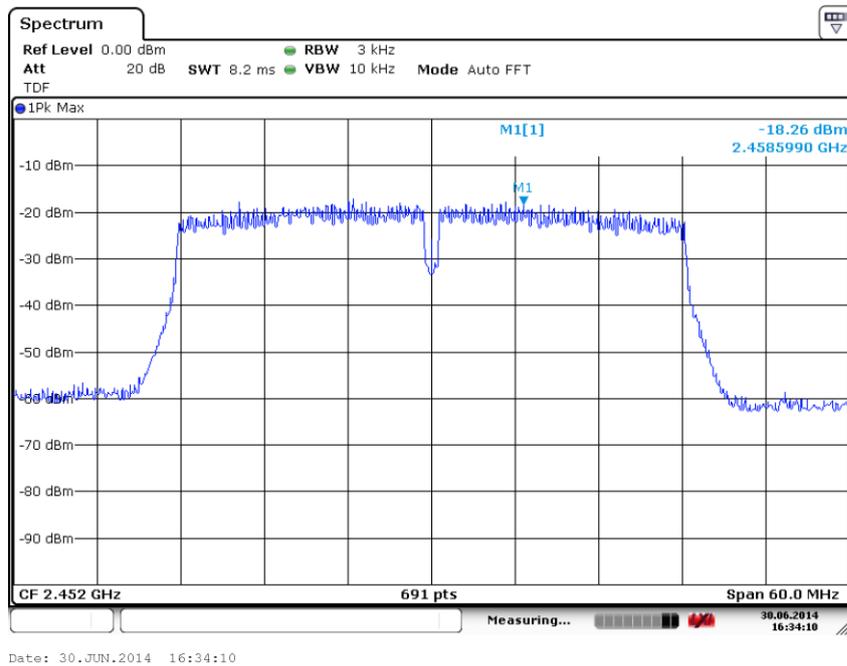
**Fig. 9 Power Spectral Density (802.11n-20MHz, Ch 11)**



**Fig. 10 Power Spectral Density (802.11n-40MHz, Ch 3)**



**Fig. 11 Power Spectral Density (802.11n-40MHz, Ch 6)**



**Fig. 12 Power Spectral Density (802.11n-40MHz, Ch 9)**

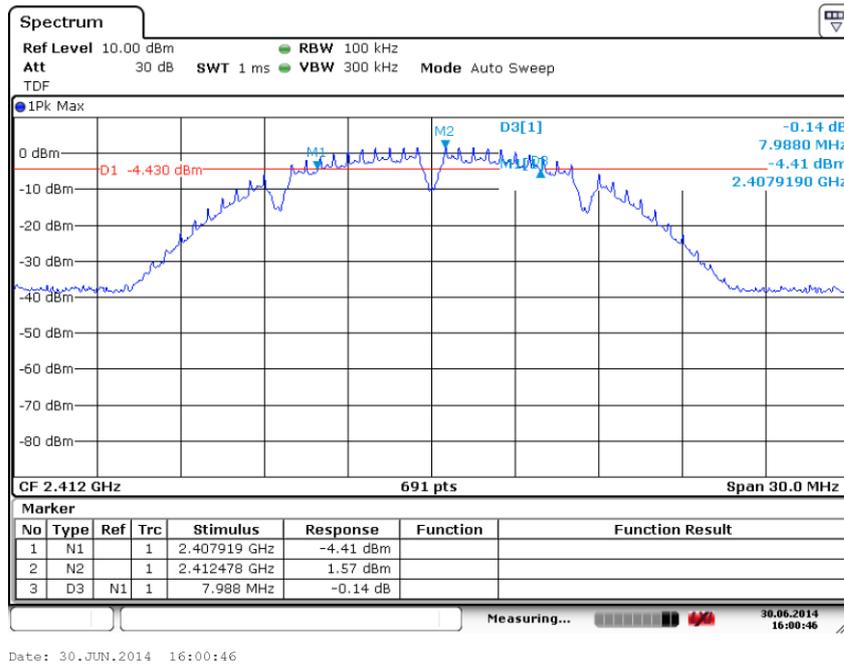


Fig. 13 Occupied 6dB Bandwidth (802.11b, Ch 1)

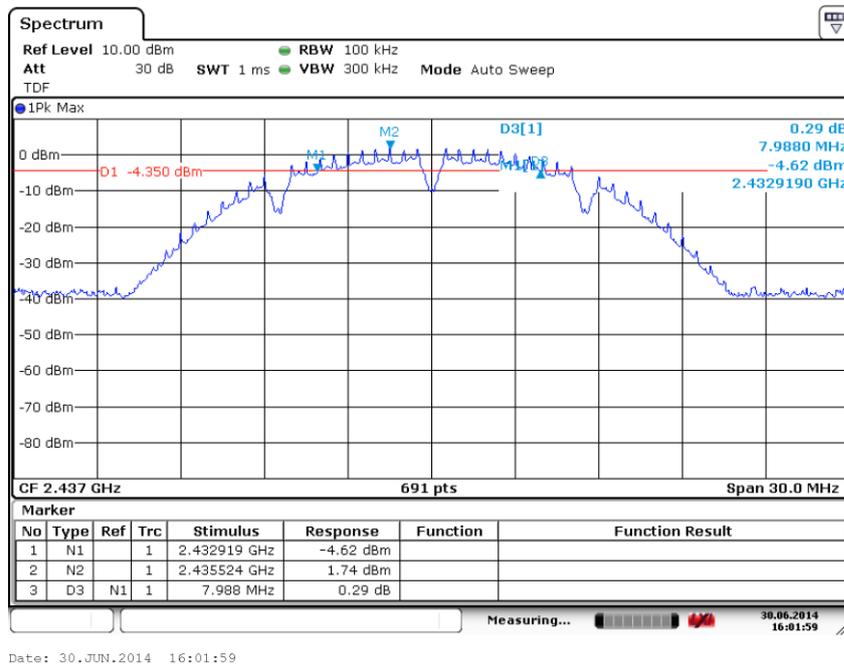


Fig. 14 Occupied 6dB Bandwidth (802.11b, Ch 6)

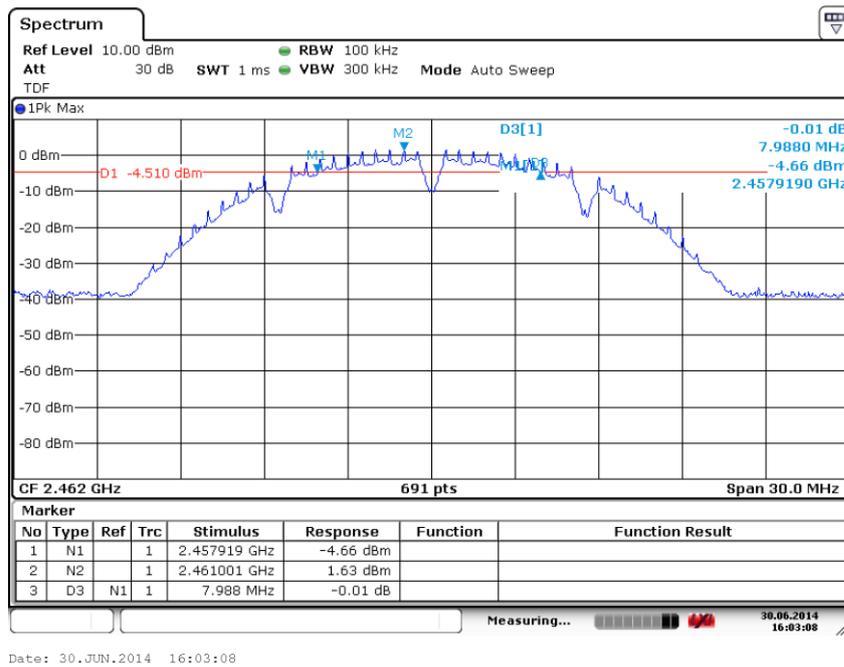


Fig. 15 Occupied 6dB Bandwidth (802.11b, Ch 11)

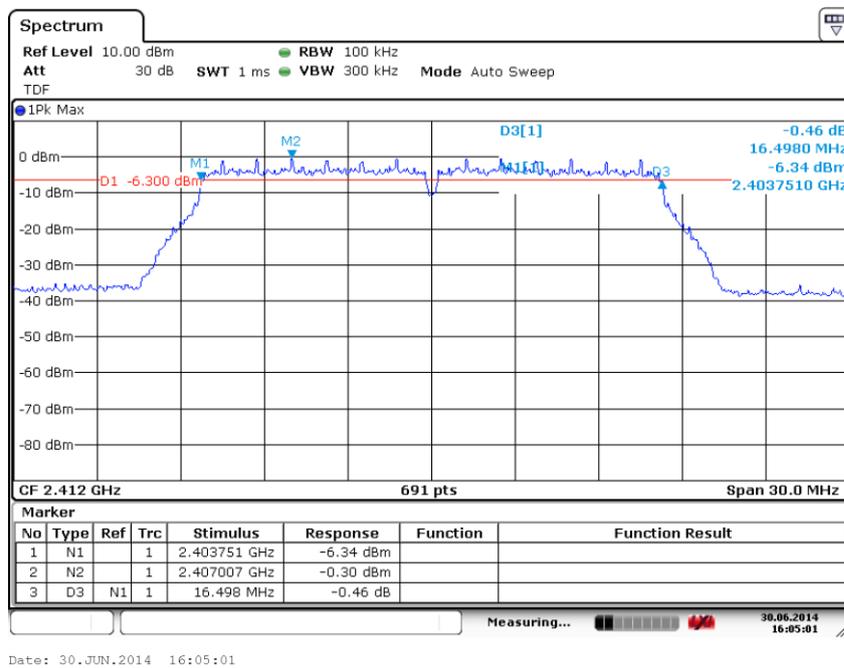


Fig. 16 Occupied 6dB Bandwidth (802.11g, Ch 1)

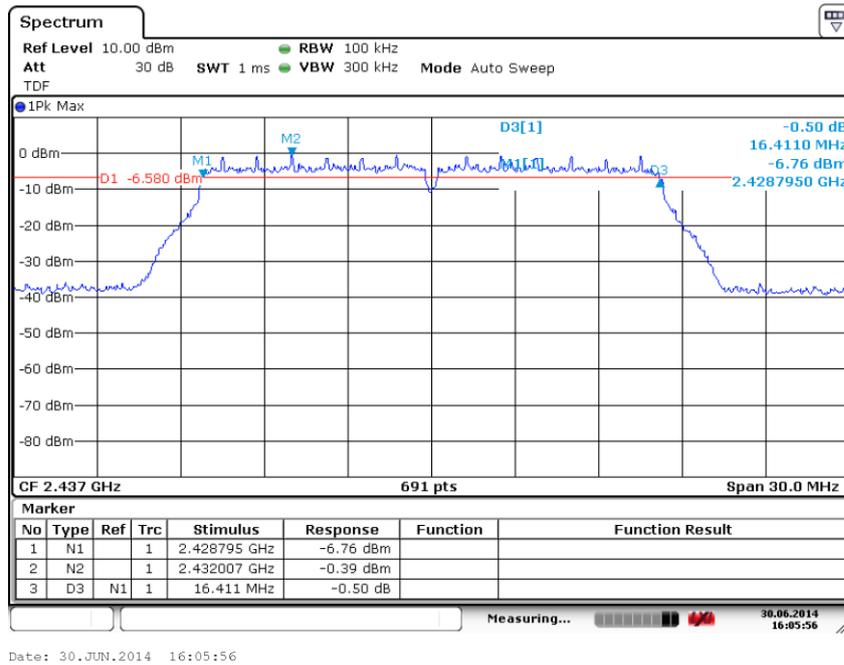


Fig. 17 Occupied 6dB Bandwidth (802.11g, Ch 6)

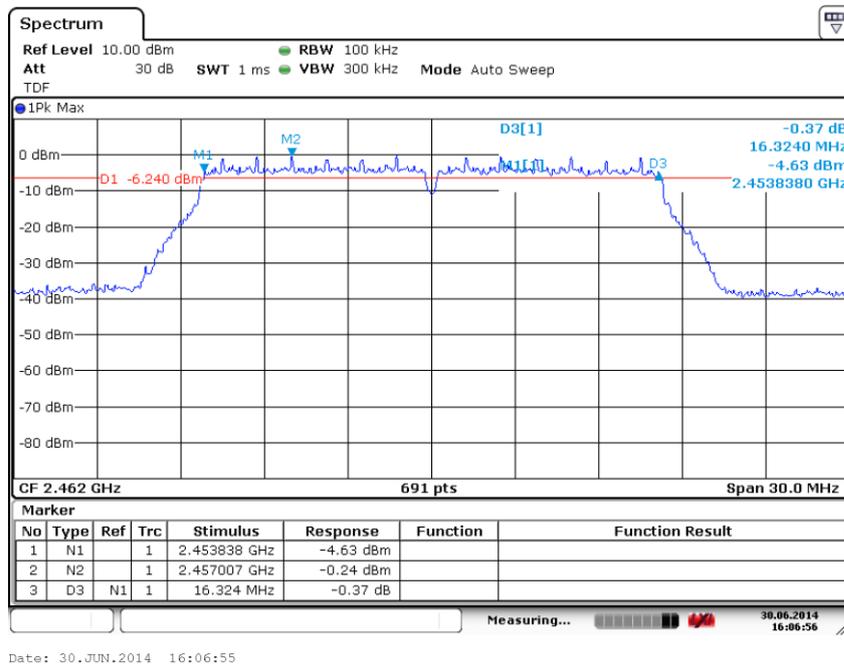


Fig. 18 Occupied 6dB Bandwidth (802.11g, Ch 11)

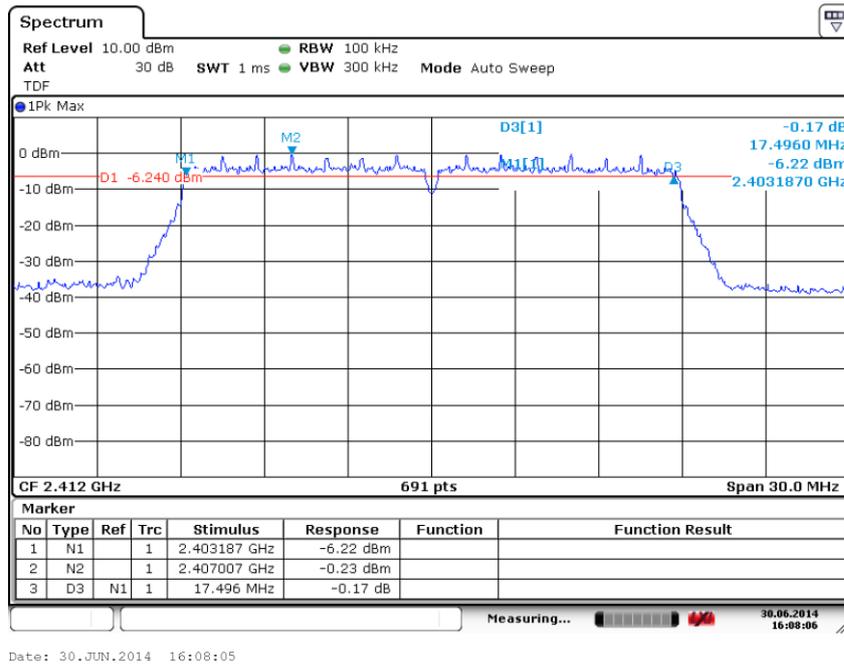


Fig. 19 Occupied 6dB Bandwidth (802.11 n-20MHz, Ch 1)

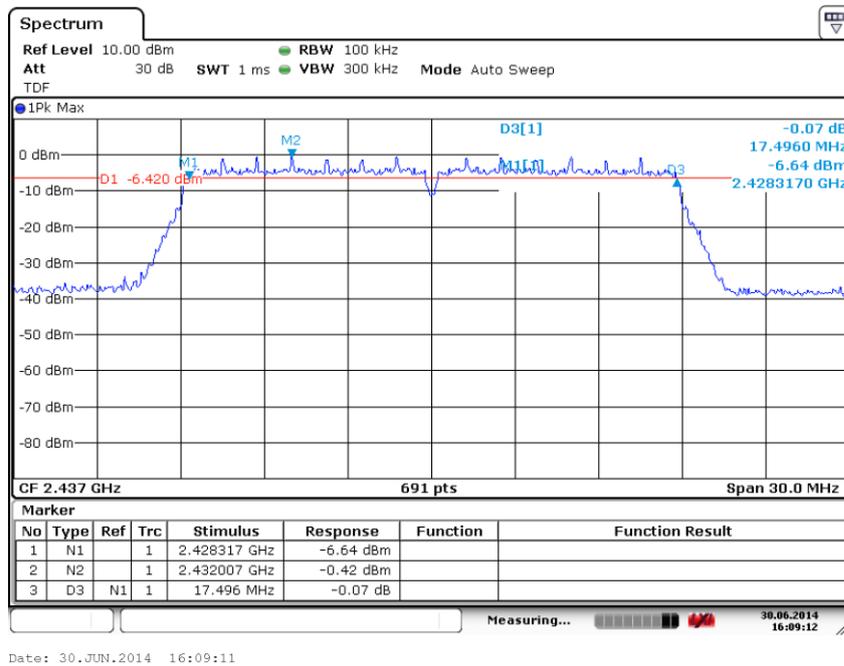


Fig. 20 Occupied 6dB Bandwidth (802.11 n-20MHz, Ch 6)

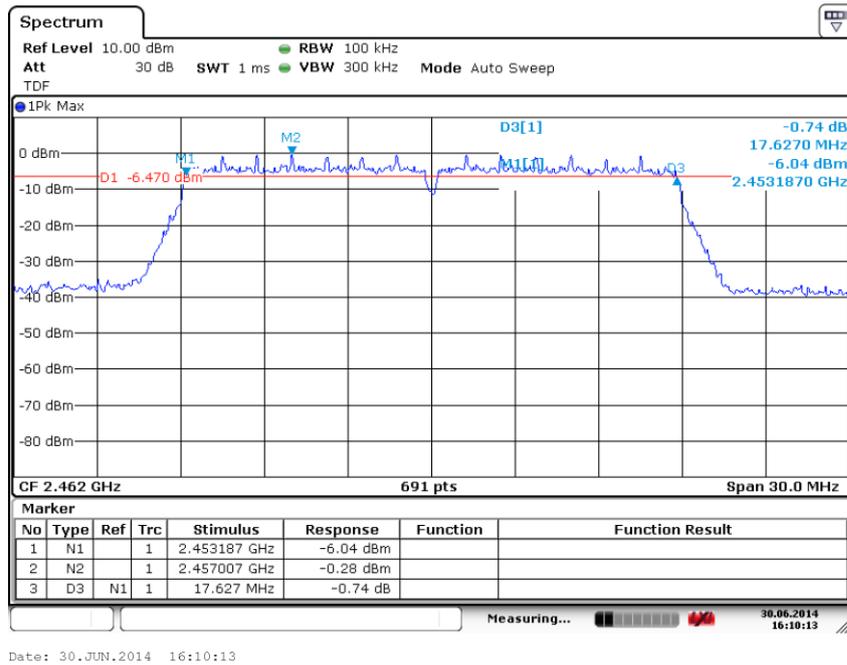


Fig. 21 Occupied 6dB Bandwidth (802.11n-20MHz, Ch 11)

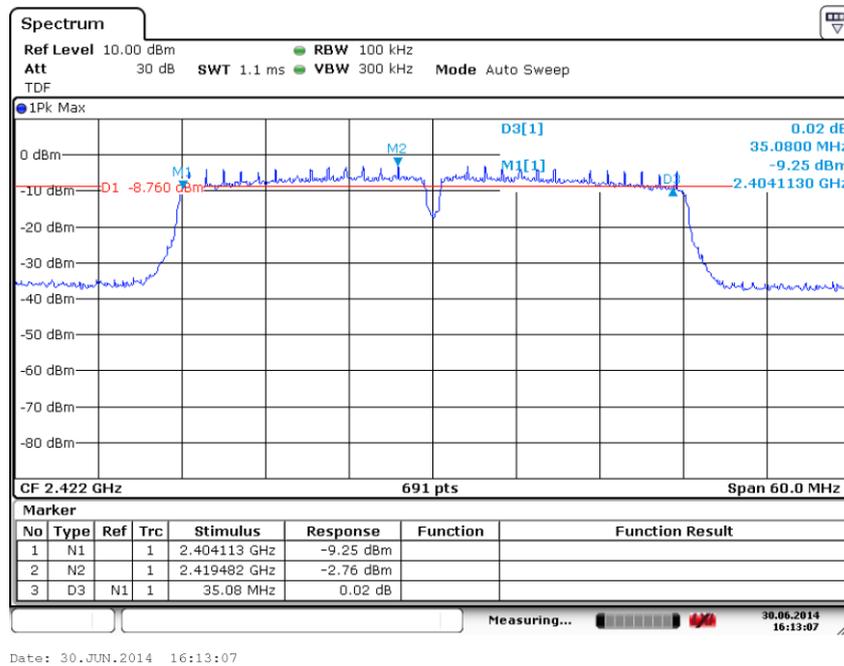
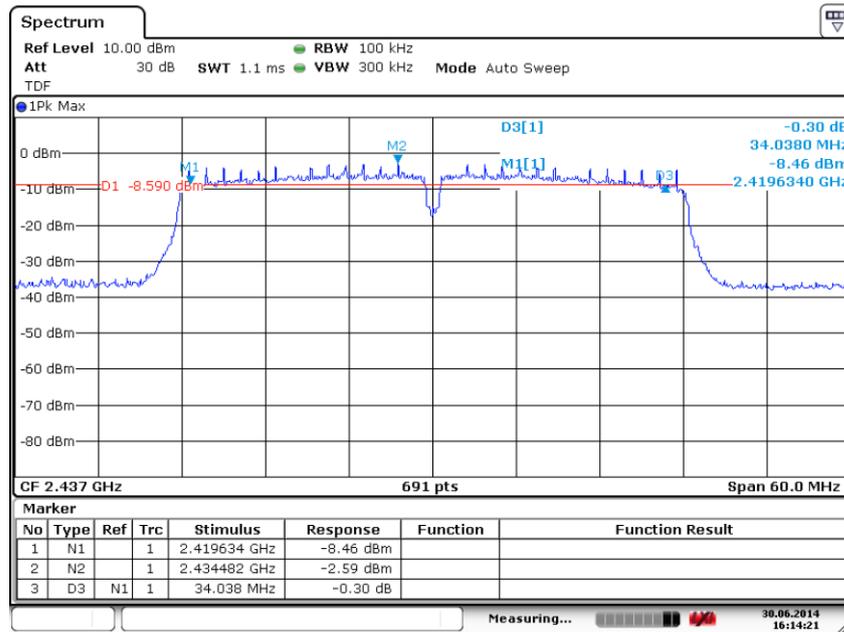
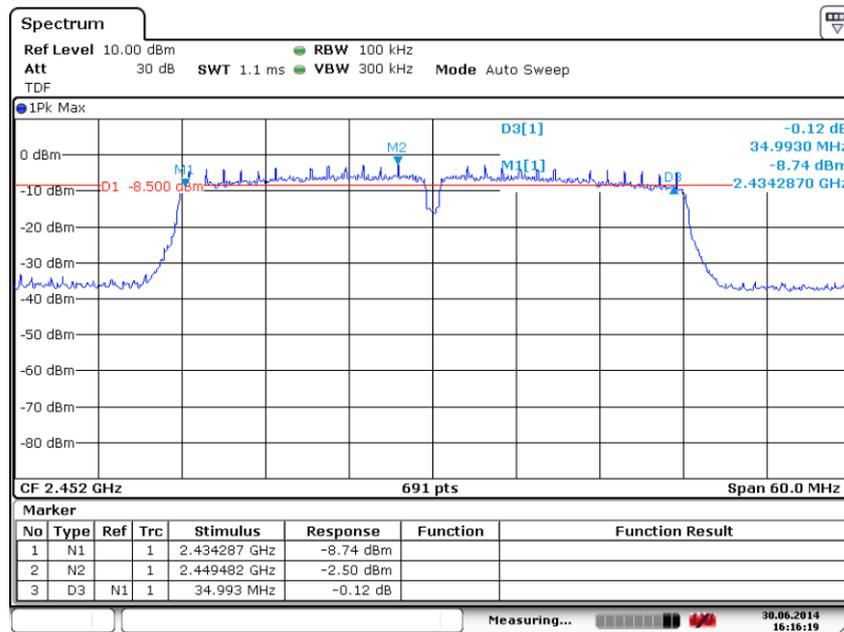


Fig. 22 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 3)



Date: 30.JUN.2014 16:14:21

Fig. 23 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 6)



Date: 30.JUN.2014 16:16:18

Fig. 24 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 9)

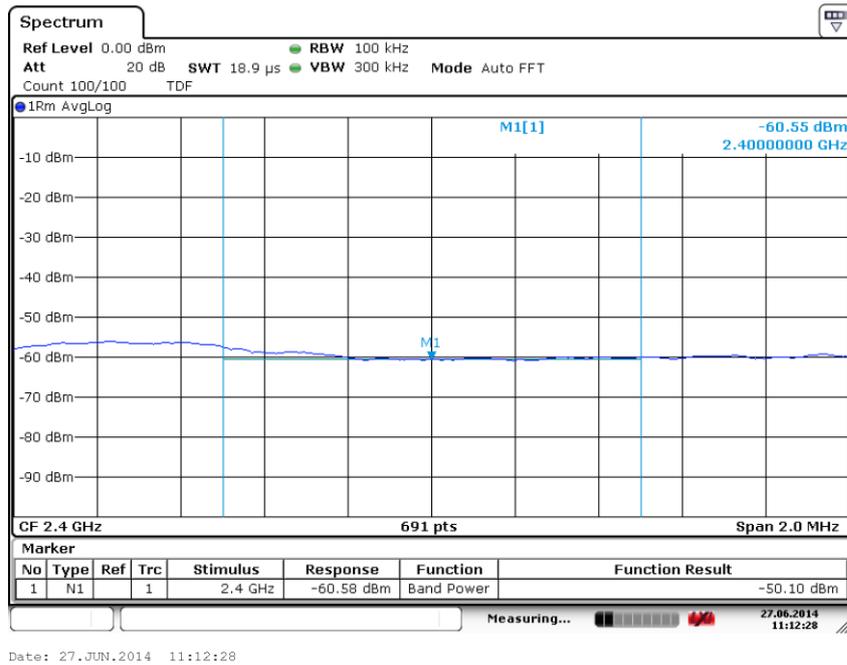


Fig. 25 Band Edges (802.11b, Ch 1)

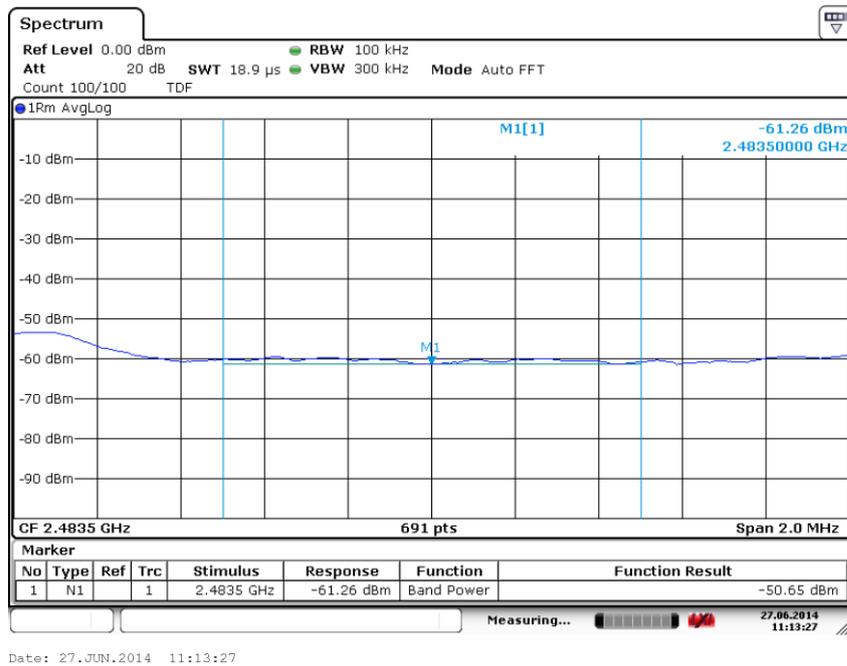
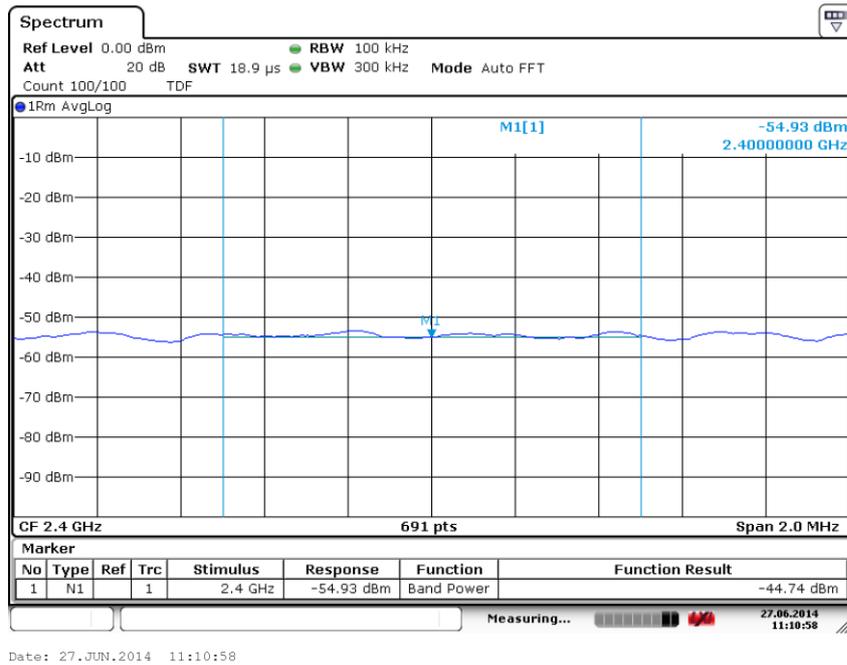
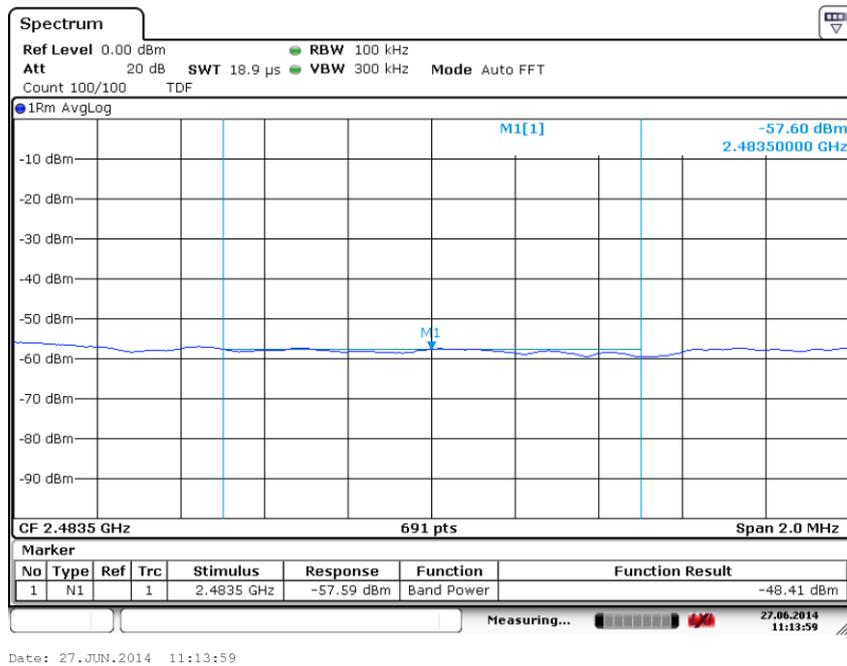


Fig. 26 Band Edges (802.11b, Ch 11)



**Fig. 27 Band Edges (802.11g, Ch 1)**



**Fig. 28 Band Edges (802.11g, Ch 11)**

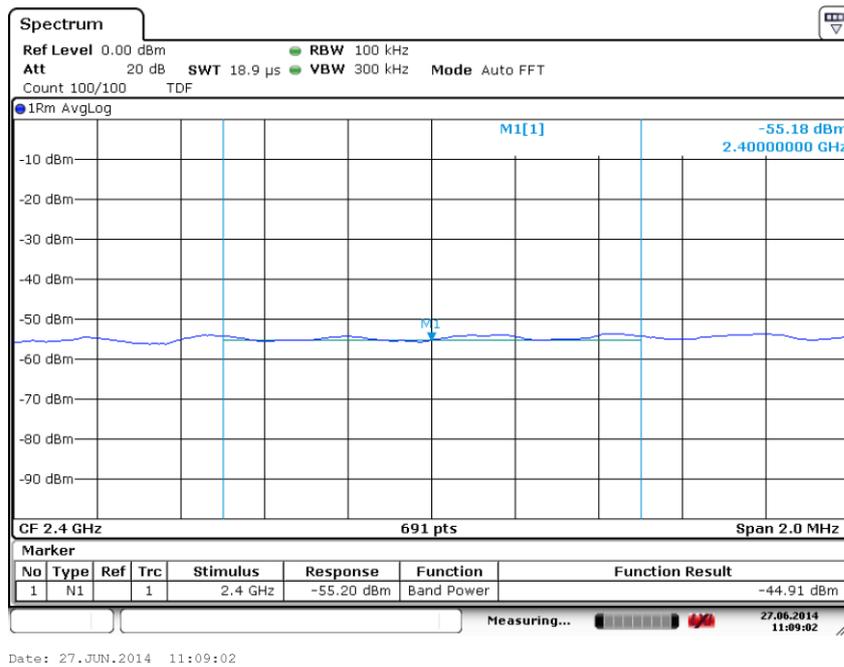


Fig. 29 Band Edges (802.11 n-20MHz, Ch 1)

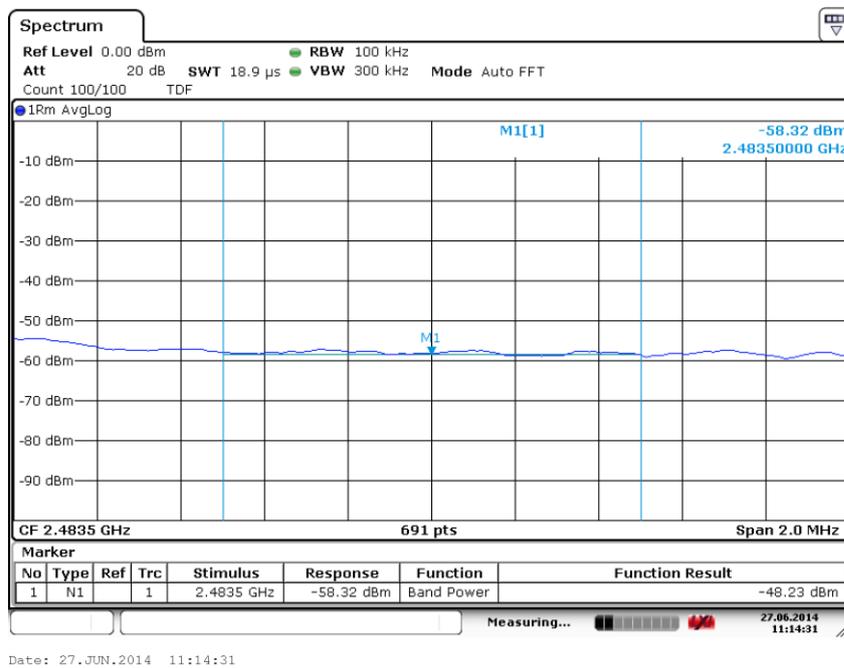


Fig. 30 Band Edges (802.11 n-20MHz, Ch 11)

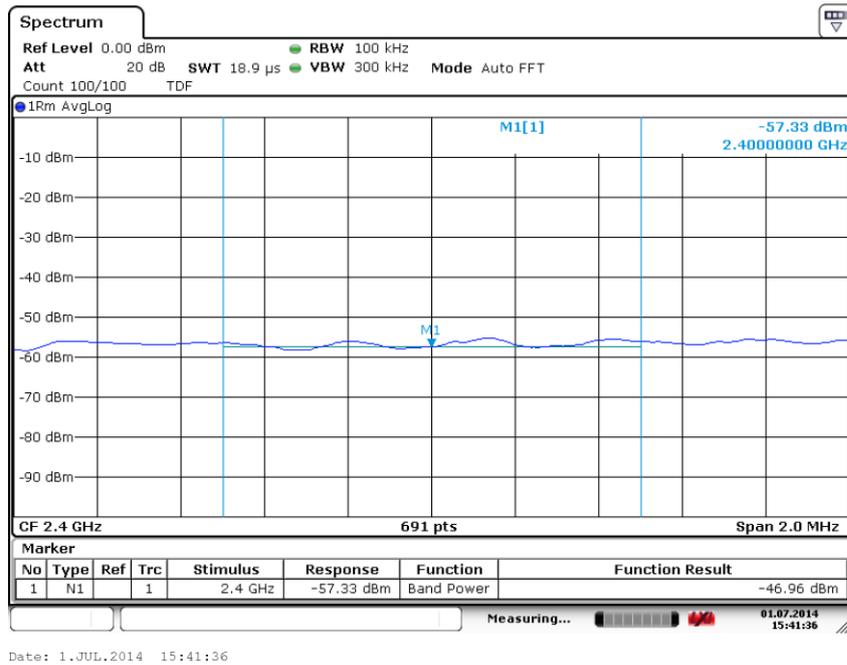


Fig. 31 Band Edges (802.11 n-40MHz, Ch 3)

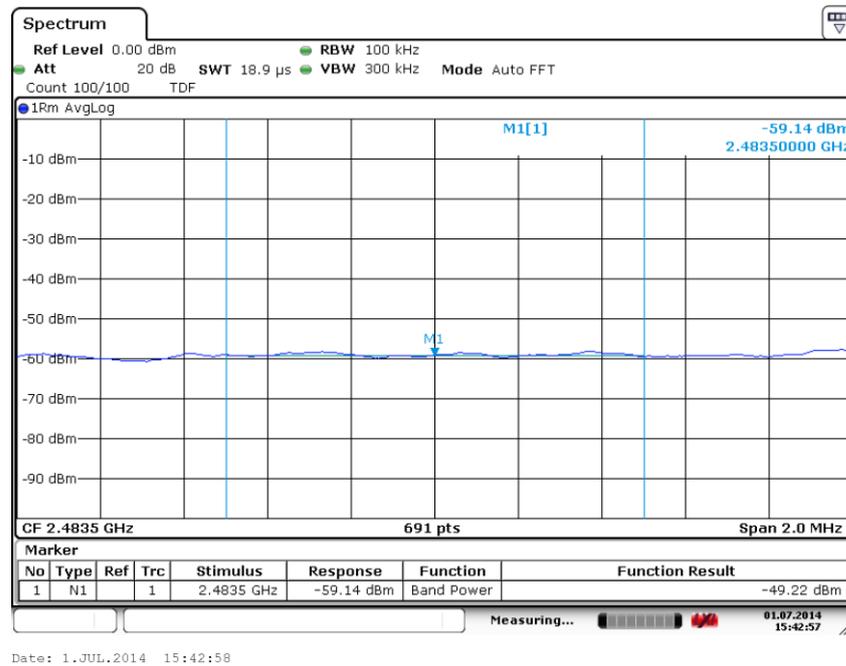


Fig. 32 Band Edges (802.11 n-40MHz, Ch 9)

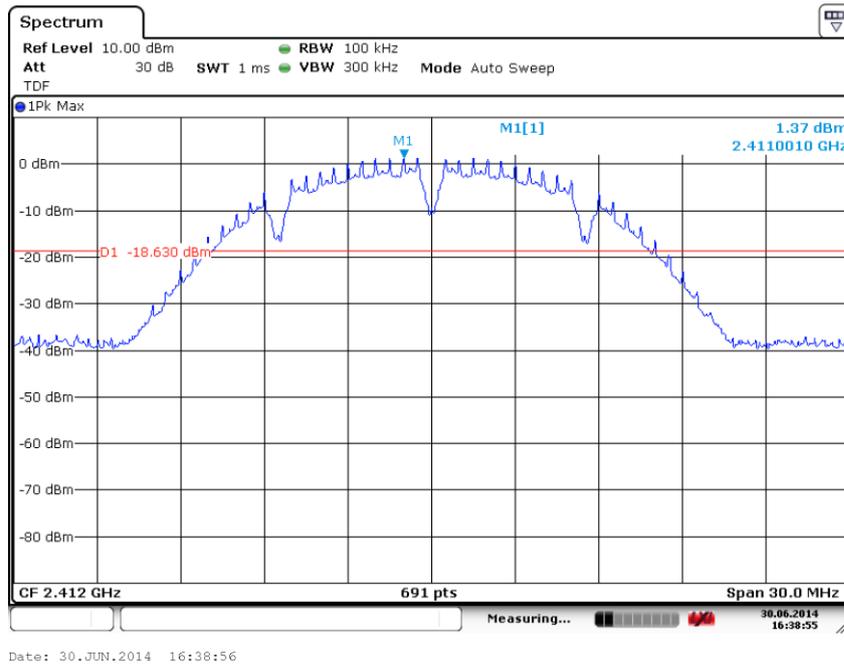


Fig. 33 Conducted Spurious Emission (802.11b, Ch1, Center Frequency)

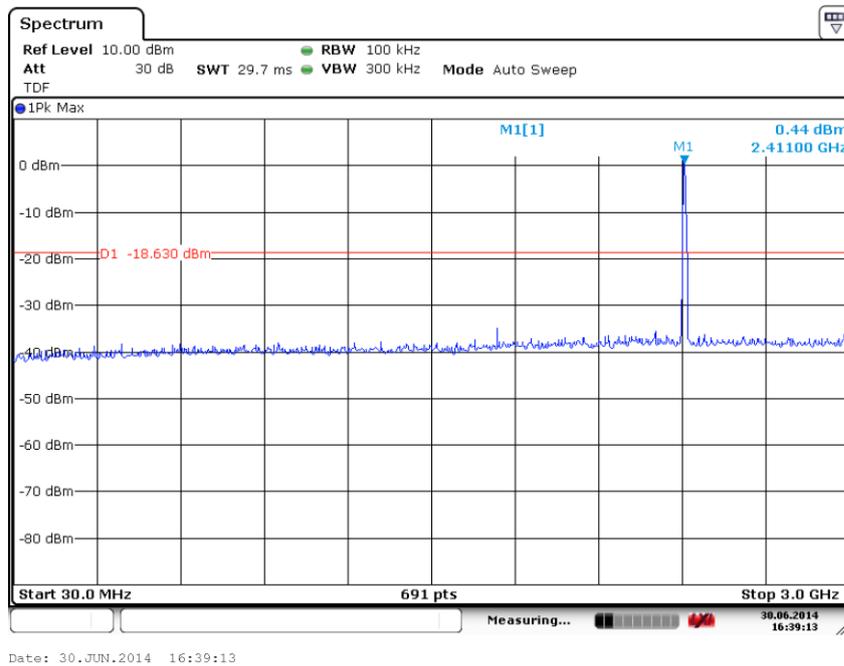
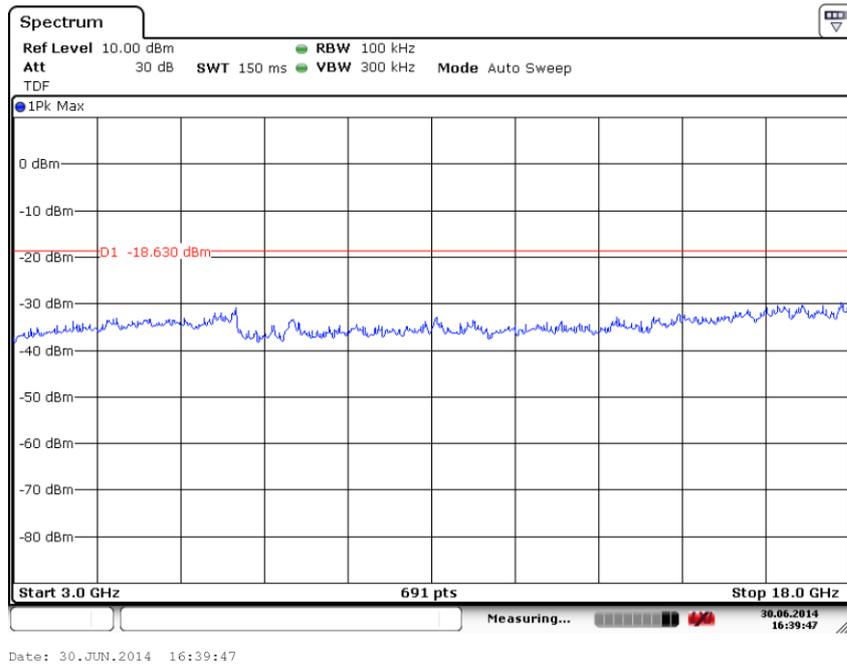
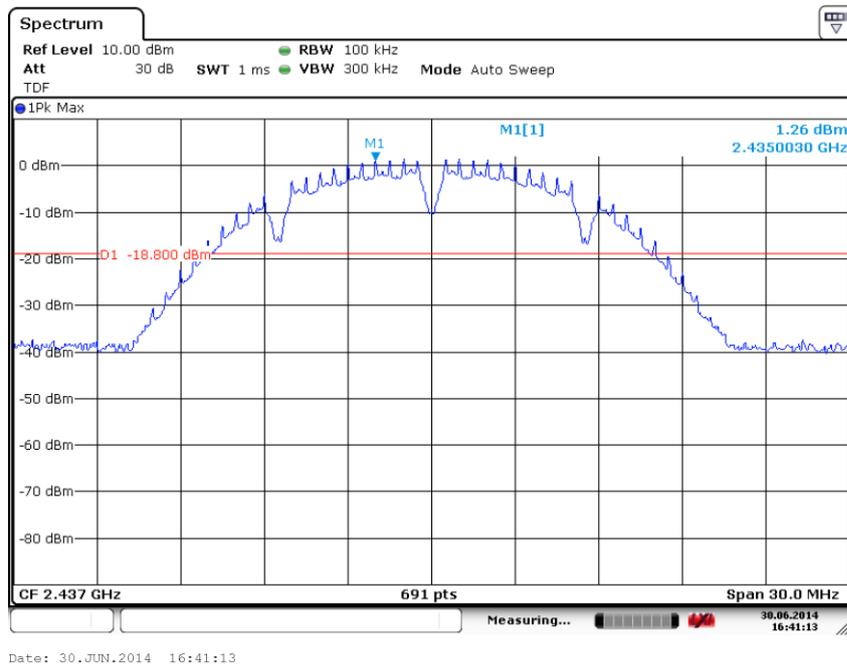


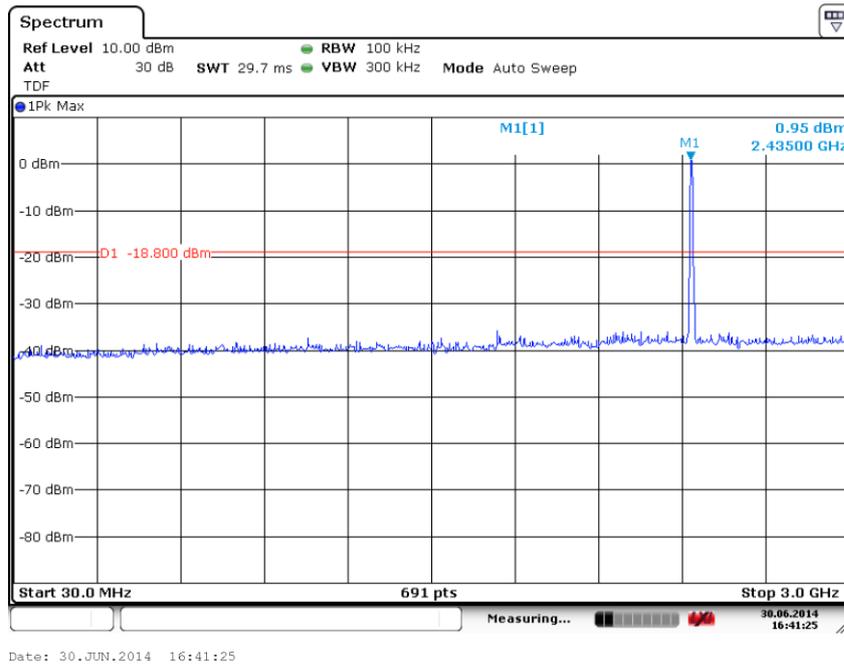
Fig. 34 Conducted Spurious Emission (802.11b, Ch1, 30 MHz-3 GHz)



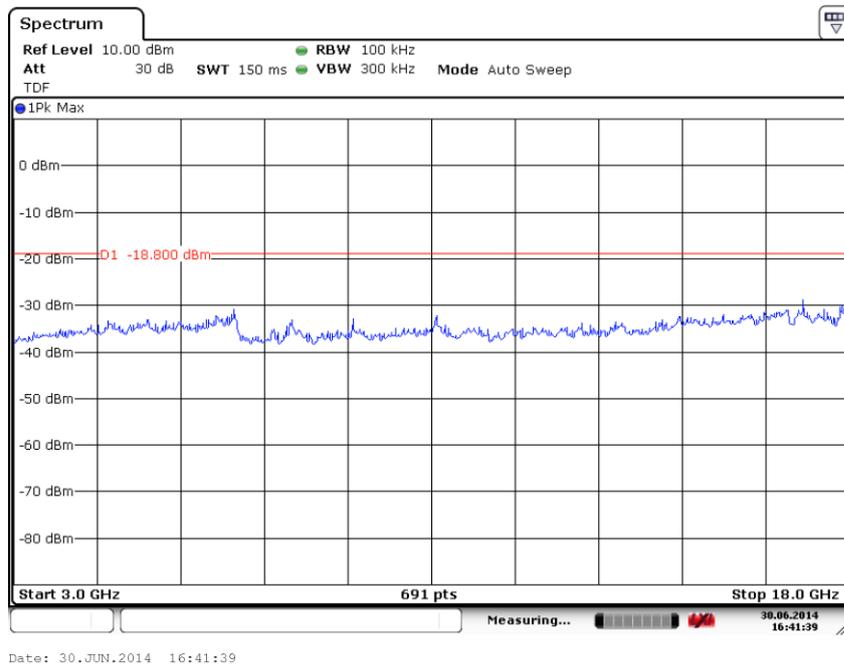
**Fig. 35 Conducted Spurious Emission (802.11b, Ch1, 3 GHz-18 GHz)**



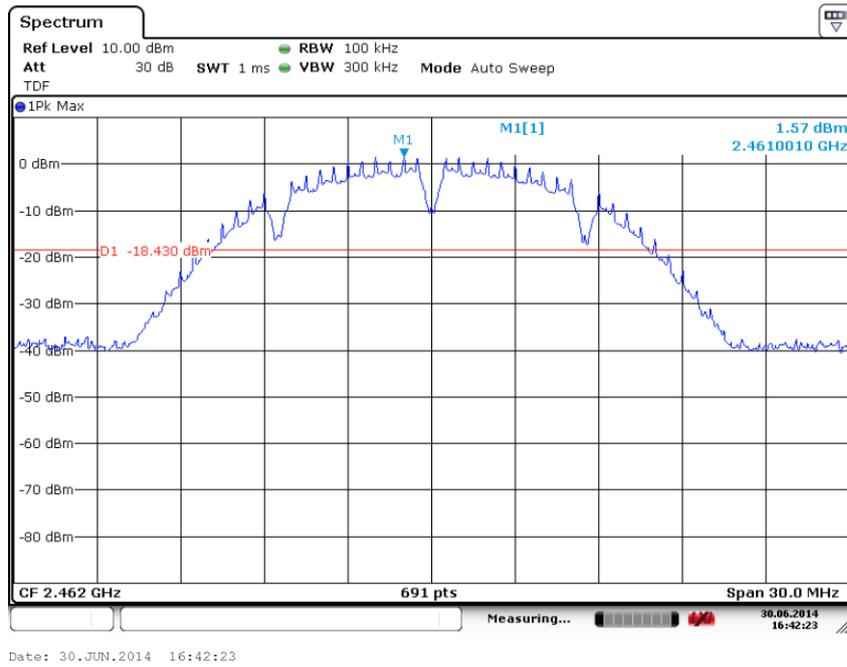
**Fig. 36 Conducted Spurious Emission (802.11b, Ch6, Center Frequency)**



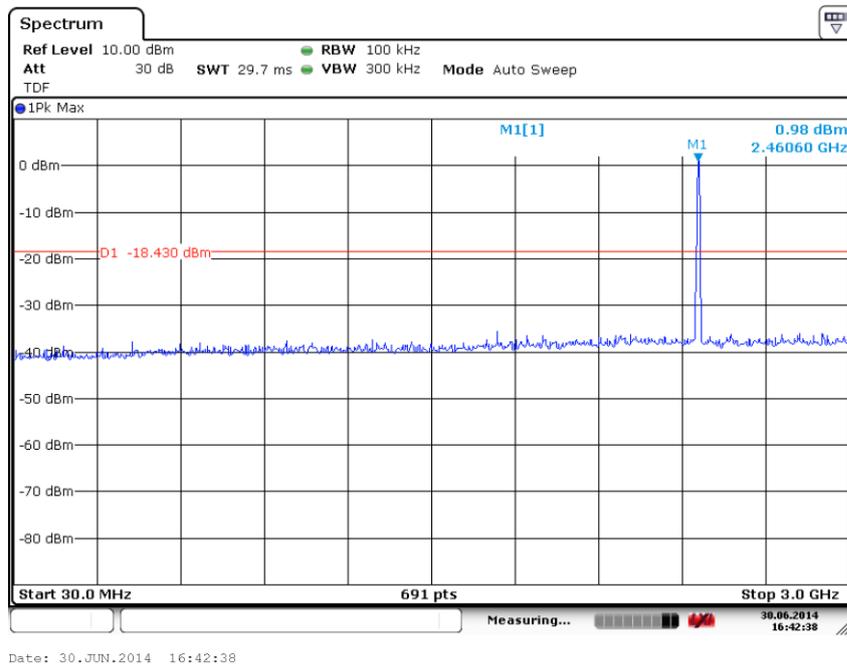
**Fig. 37 Conducted Spurious Emission (802.11b, Ch6, 30 MHz-3 GHz)**



**Fig. 38 Conducted Spurious Emission (802.11b, Ch6, 3 GHz-18 GHz)**



**Fig. 39 Conducted Spurious Emission (802.11b, Ch11, Center Frequency)**



**Fig. 40 Conducted Spurious Emission (802.11b, Ch11, 30 MHz-3 GHz)**

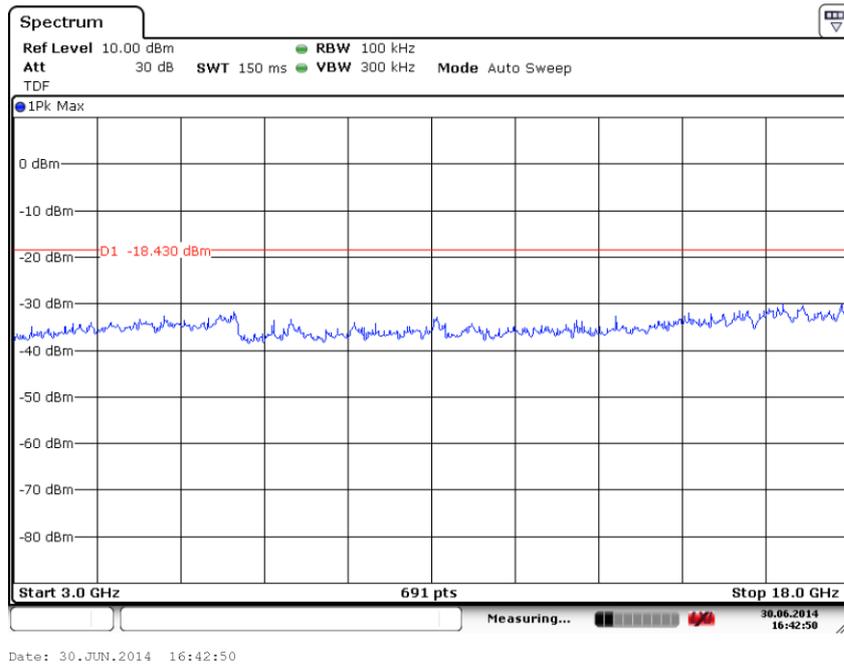


Fig. 41 Conducted Spurious Emission (802.11b, Ch11, 3 GHz-18 GHz)

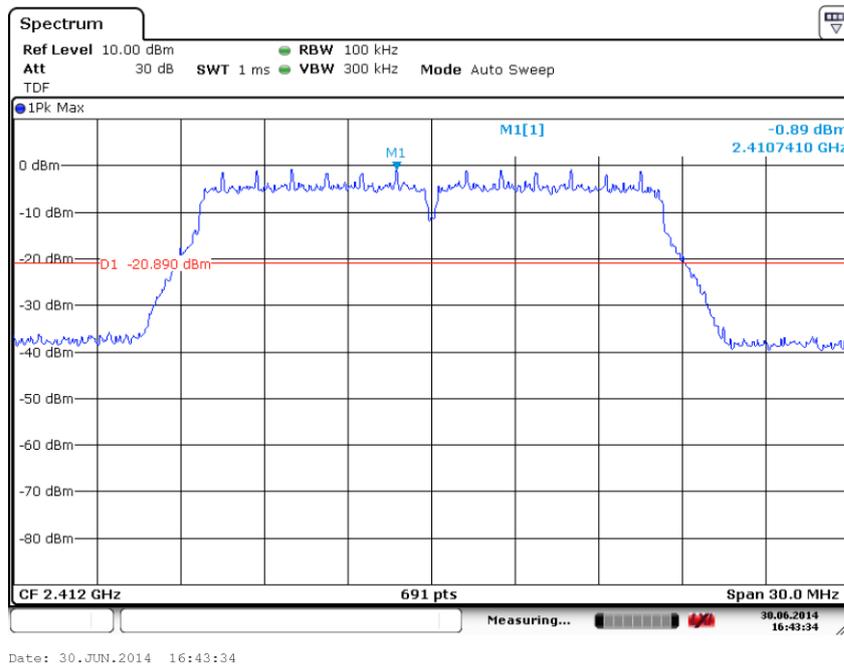


Fig. 42 Conducted Spurious Emission (802.11g, Ch1, Center Frequency)

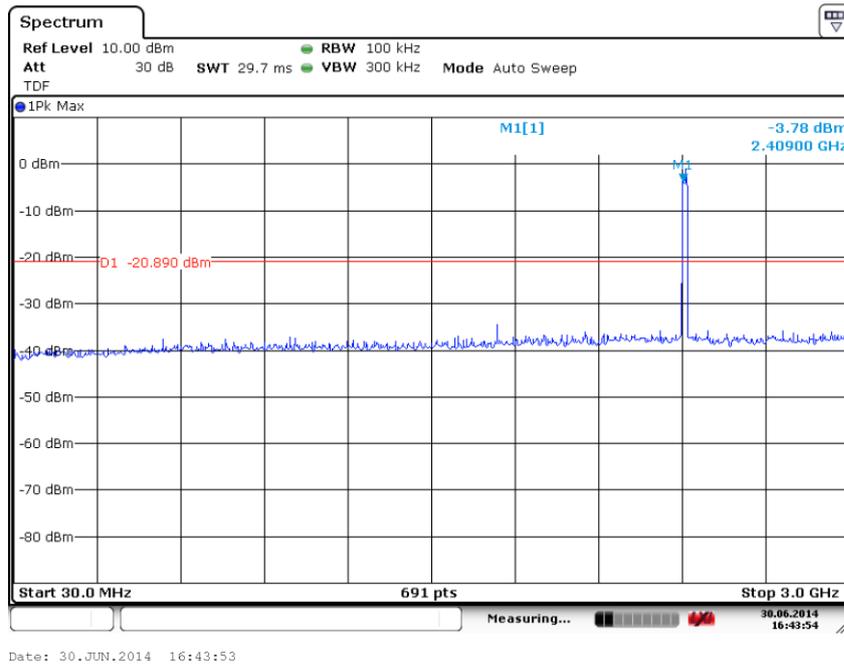


Fig. 43 Conducted Spurious Emission (802.11g, Ch1, 30 MHz-3 GHz)

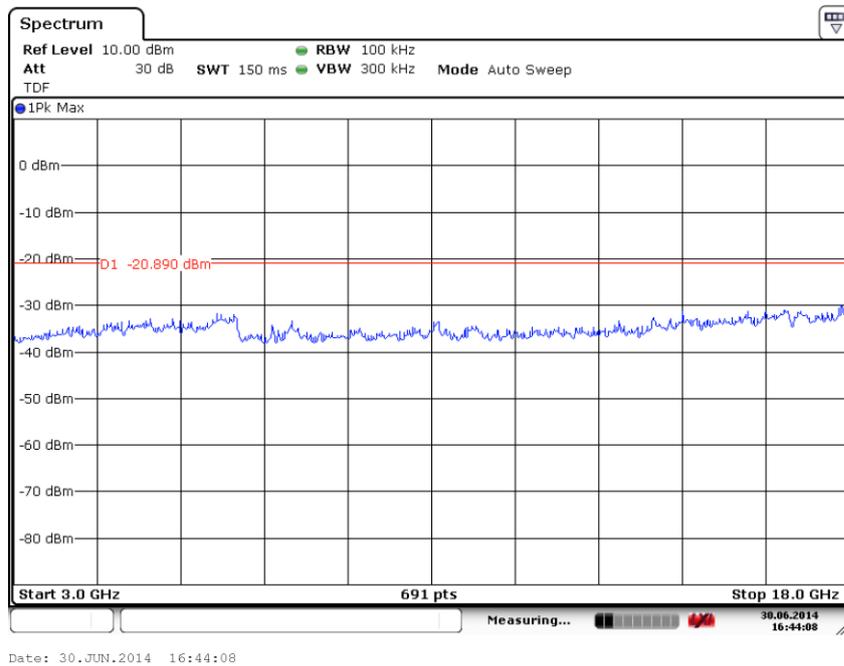


Fig. 44 Conducted Spurious Emission (802.11g, Ch1, 3 GHz-18 GHz)

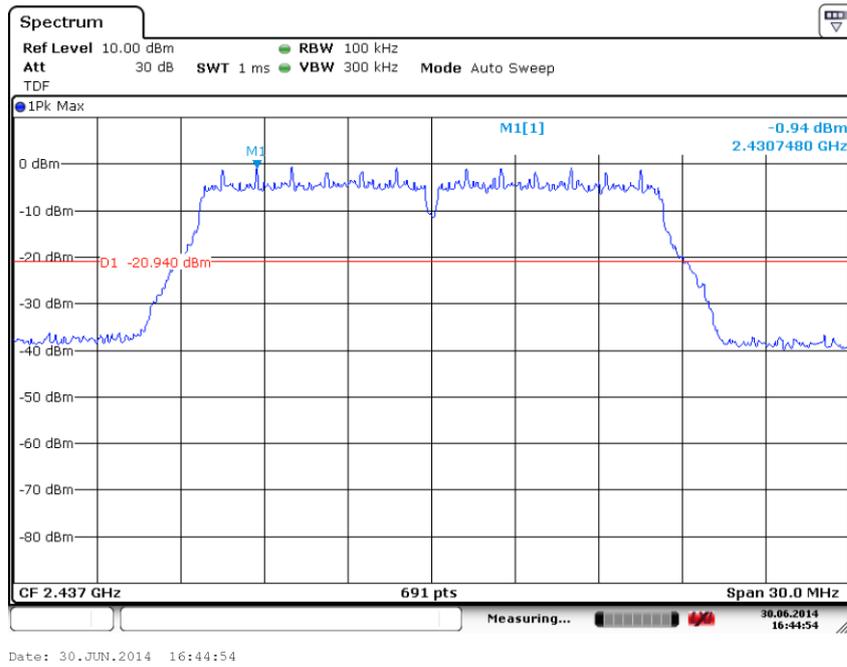


Fig. 45 Conducted Spurious Emission (802.11g, Ch6, Center Frequency)

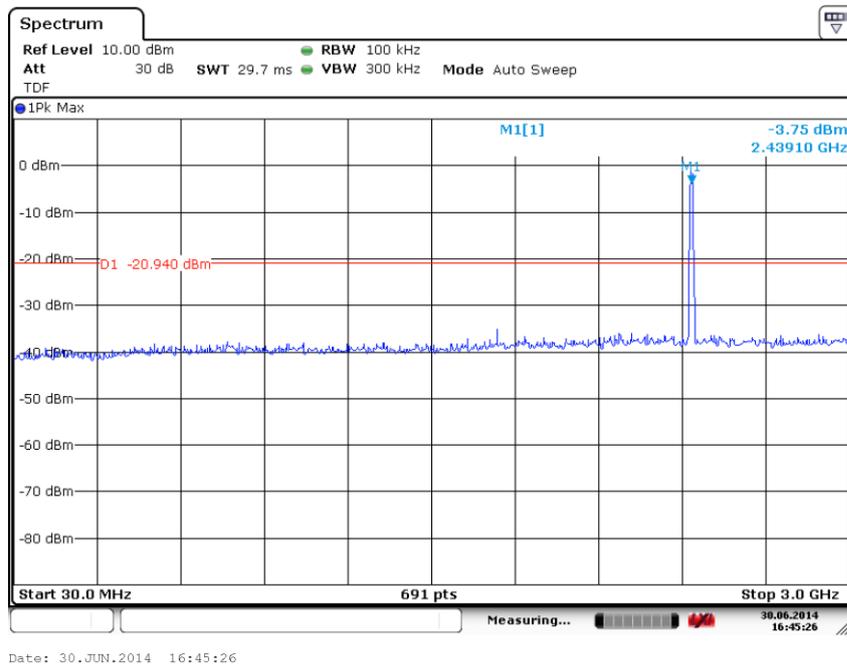
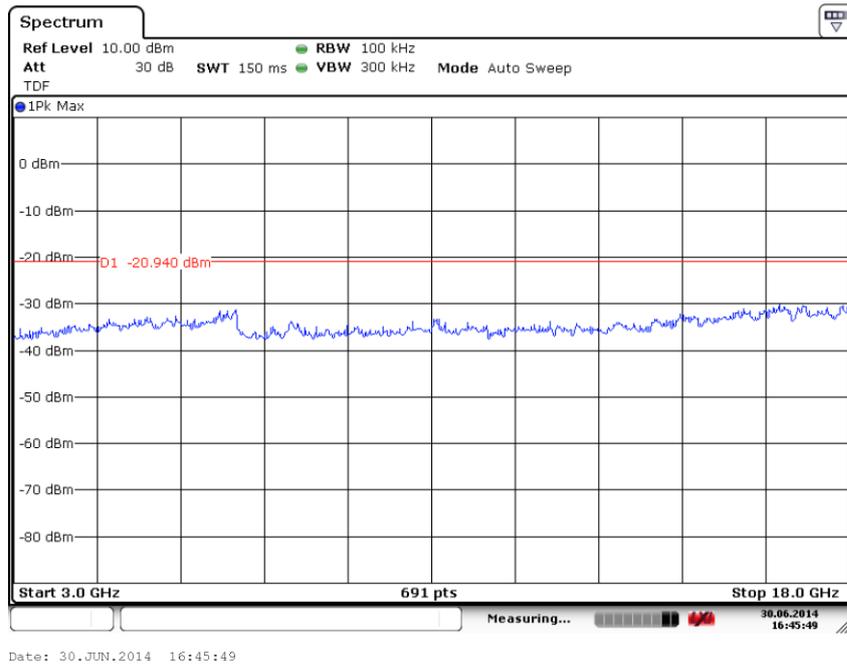
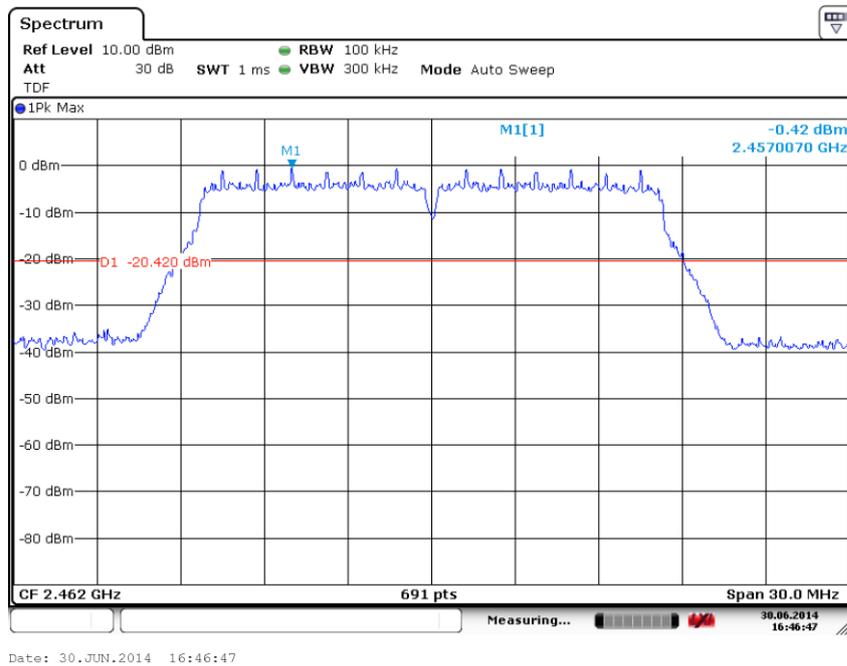


Fig. 46 Conducted Spurious Emission (802.11g, Ch6, 30 MHz-3 GHz)



**Fig. 47 Conducted Spurious Emission (802.11g, Ch6, 3 GHz-18 GHz)**



**Fig. 48 Conducted Spurious Emission (802.11g, Ch11, Center Frequency)**

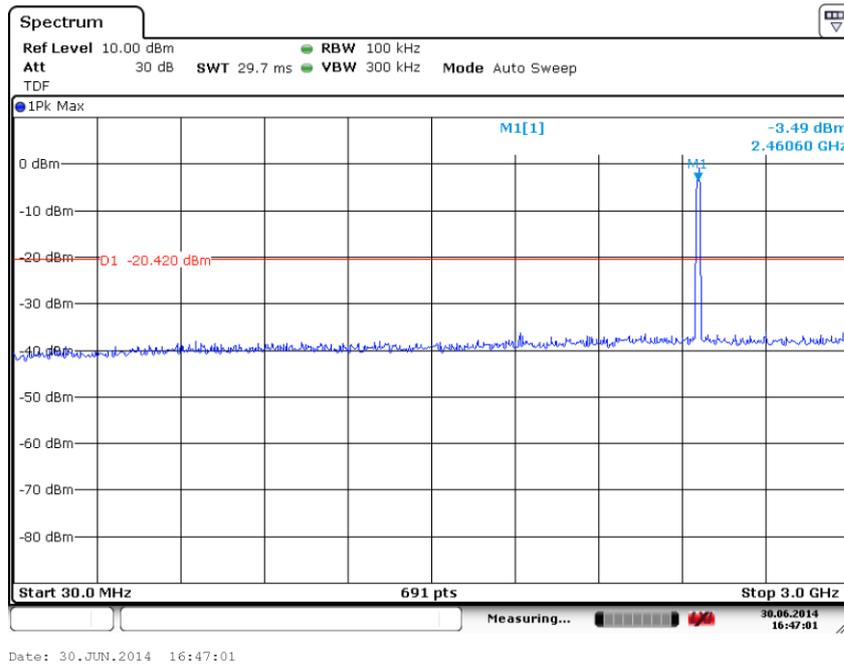


Fig. 49 Conducted Spurious Emission (802.11g, Ch11, 30 MHz-3 GHz)

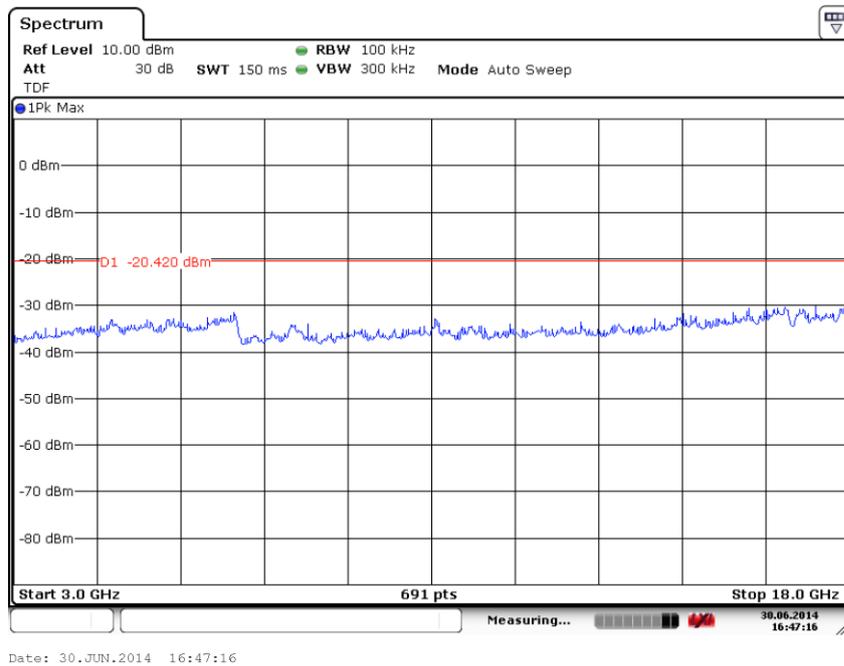
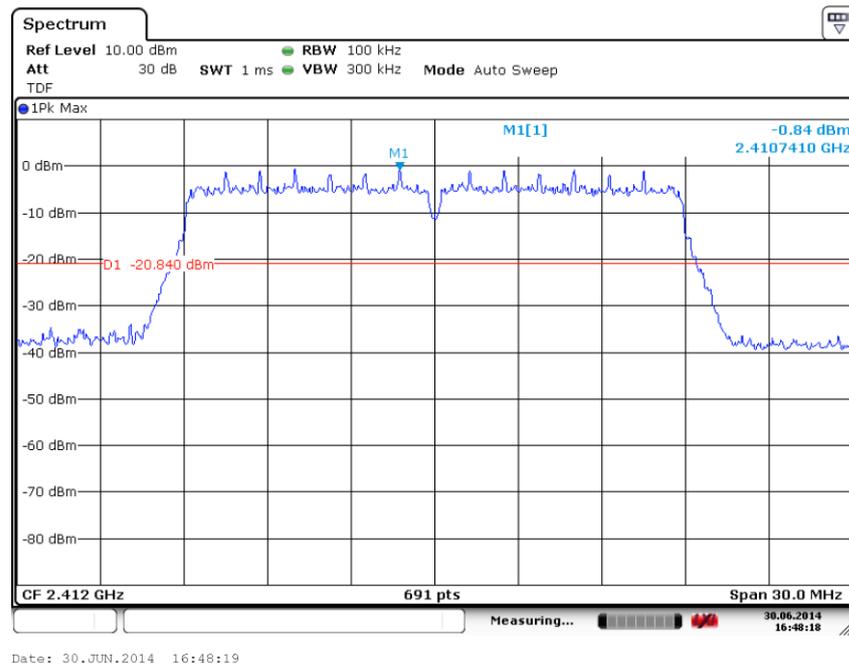
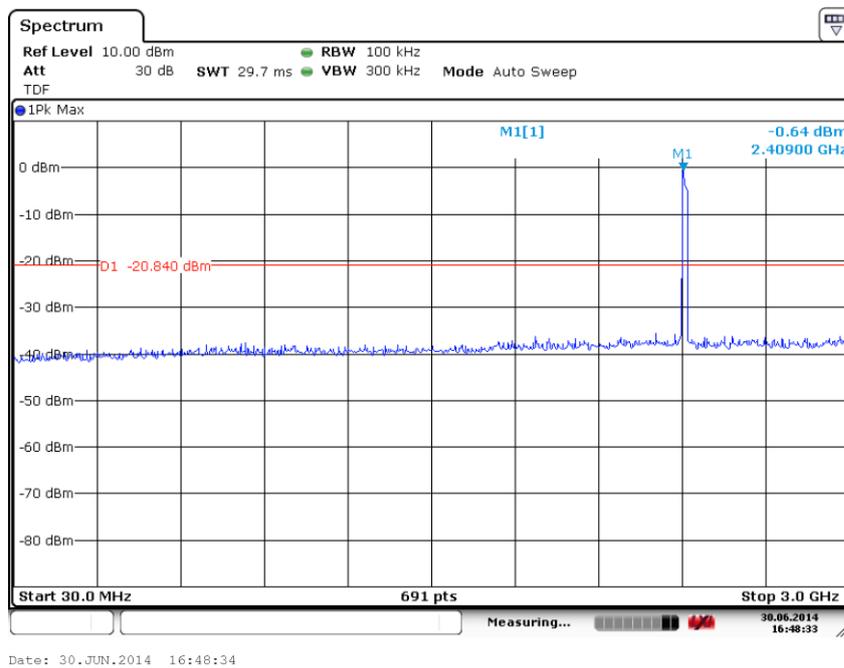


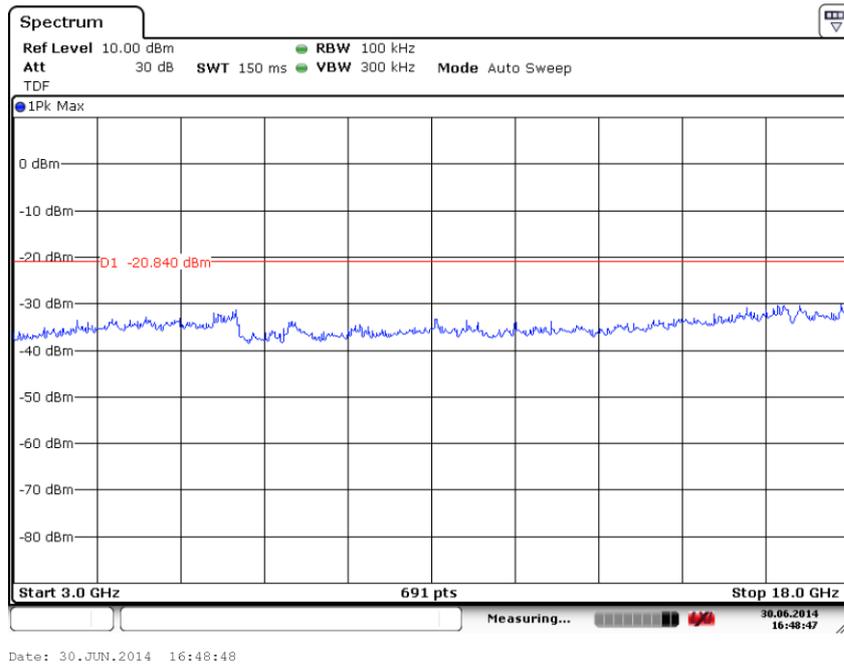
Fig. 50 Conducted Spurious Emission (802.11g, Ch11, 3 GHz-18 GHz)



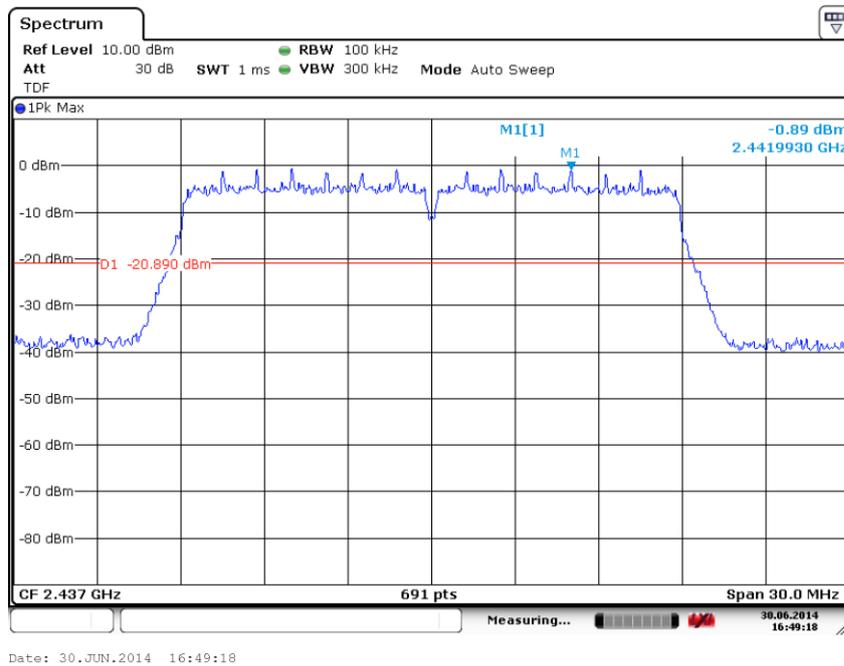
**Fig. 51 Conducted Spurious Emission (802.11n-20M, Ch1, Center Frequency)**



**Fig. 52 Conducted Spurious Emission (802.11n-20M, Ch1, 30 MHz-3 GHz)**



**Fig. 53 Conducted Spurious Emission (802.11n-20M, Ch1, 3 GHz-18 GHz)**



**Fig. 54 Conducted Spurious Emission (802.11n-20M, Ch6, Center Frequency)**

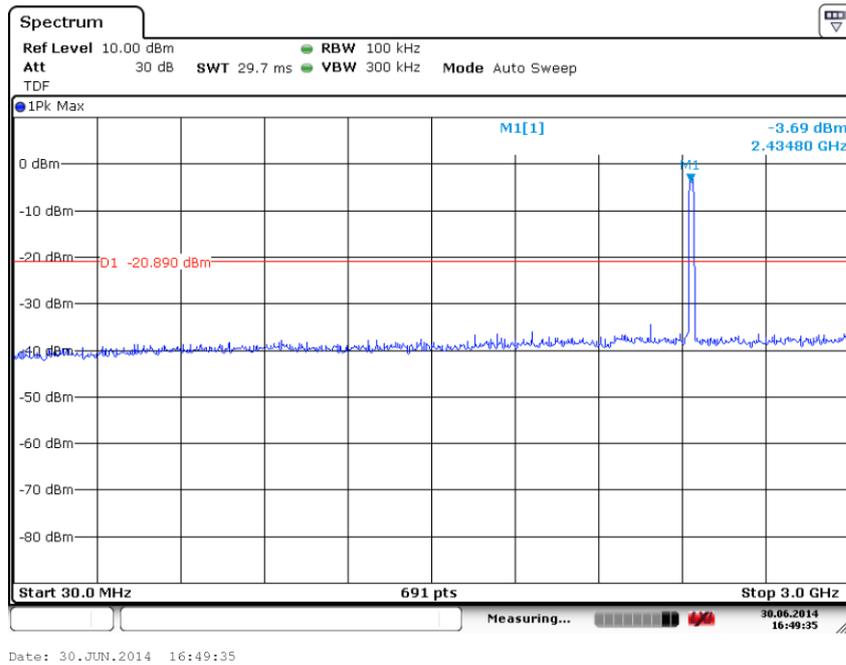


Fig. 55 Conducted Spurious Emission (802.11n-20M, Ch6, 30 MHz-3 GHz)

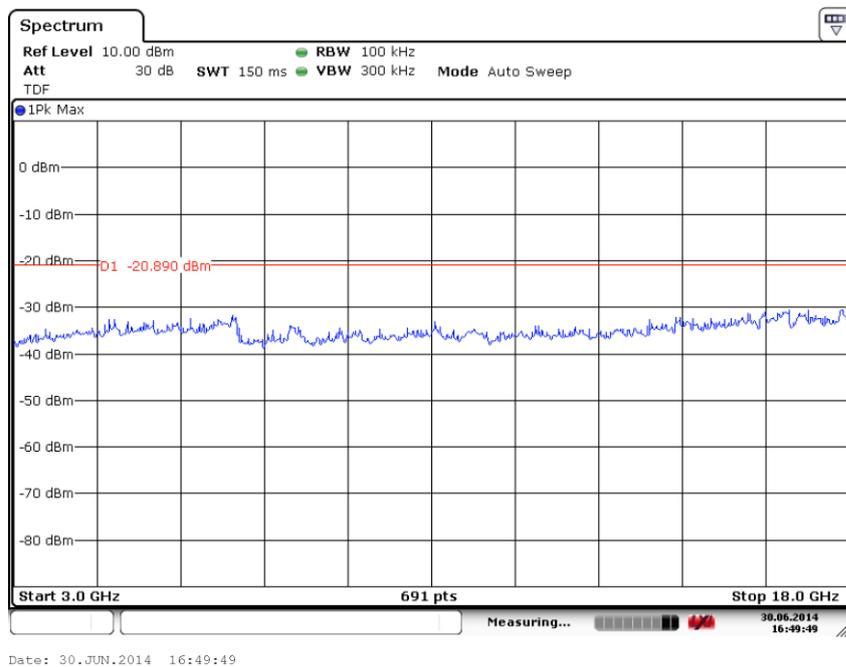
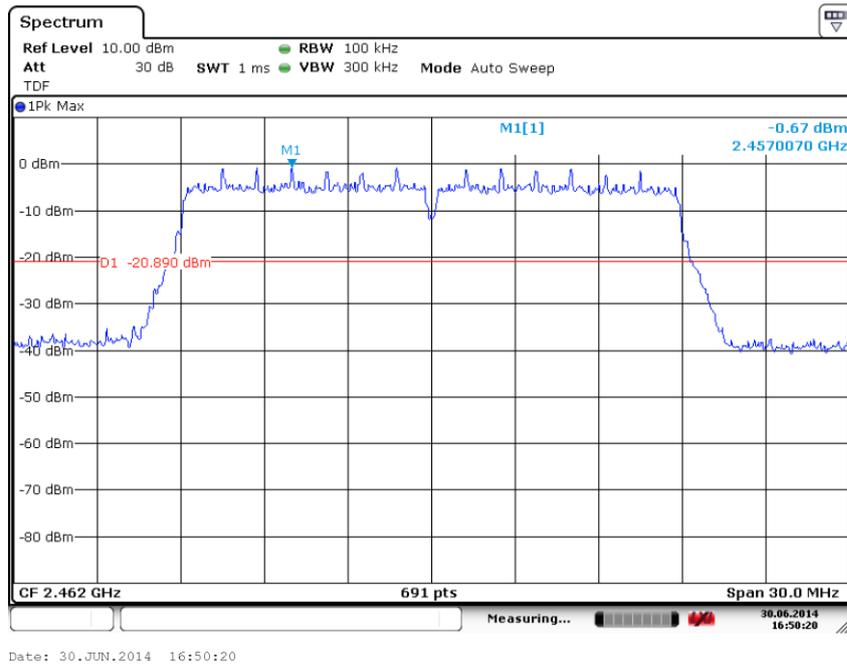
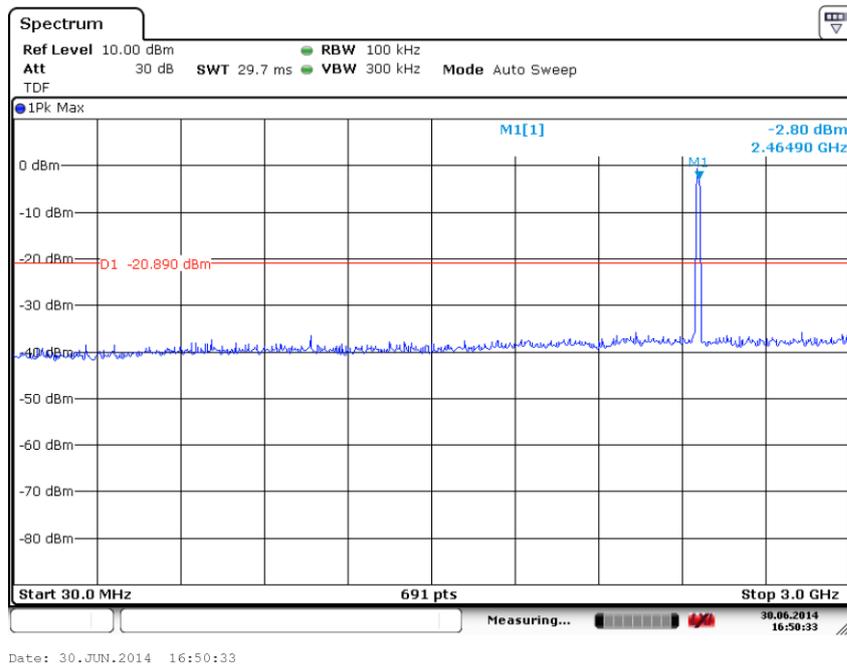


Fig. 56 Conducted Spurious Emission (802.11n-20M, Ch6, 3 GHz-18 GHz)



**Fig. 57 Conducted Spurious Emission (802.11n-20M, Ch11, Center Frequency)**



**Fig. 58 Conducted Spurious Emission (802.11n-20M, Ch11, 30 MHz-3 GHz)**

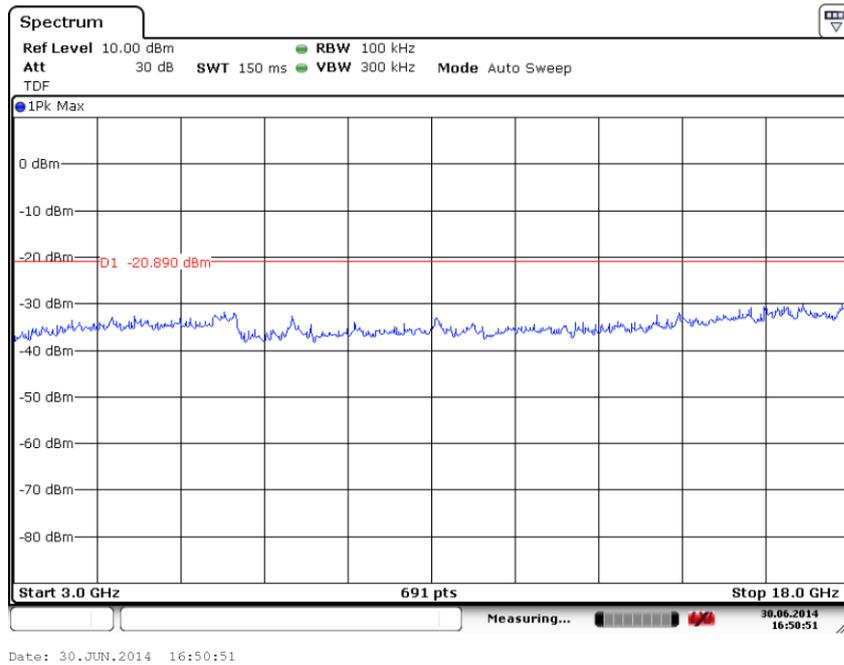


Fig. 59 Conducted Spurious Emission (802.11n-20M, Ch11, 3 GHz-18 GHz)

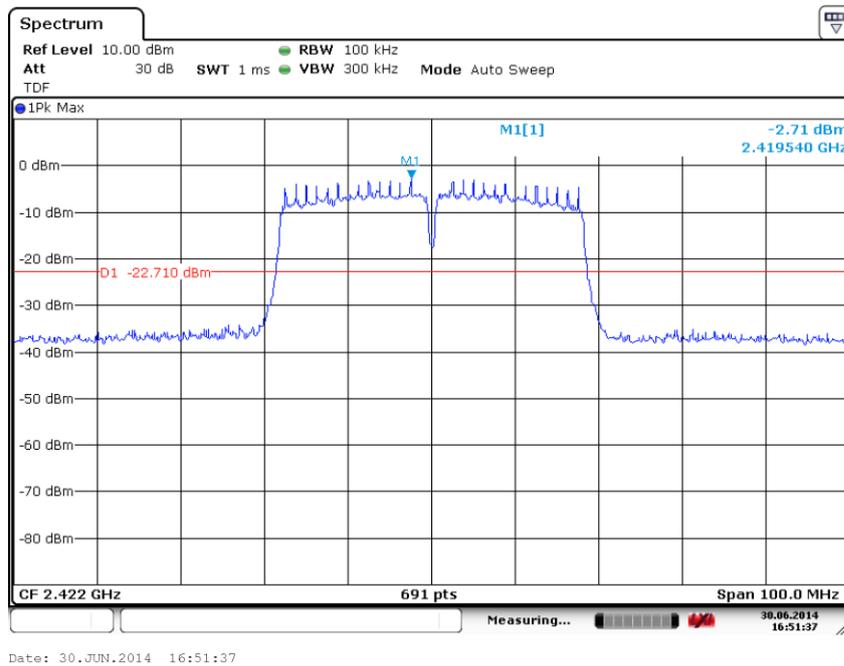
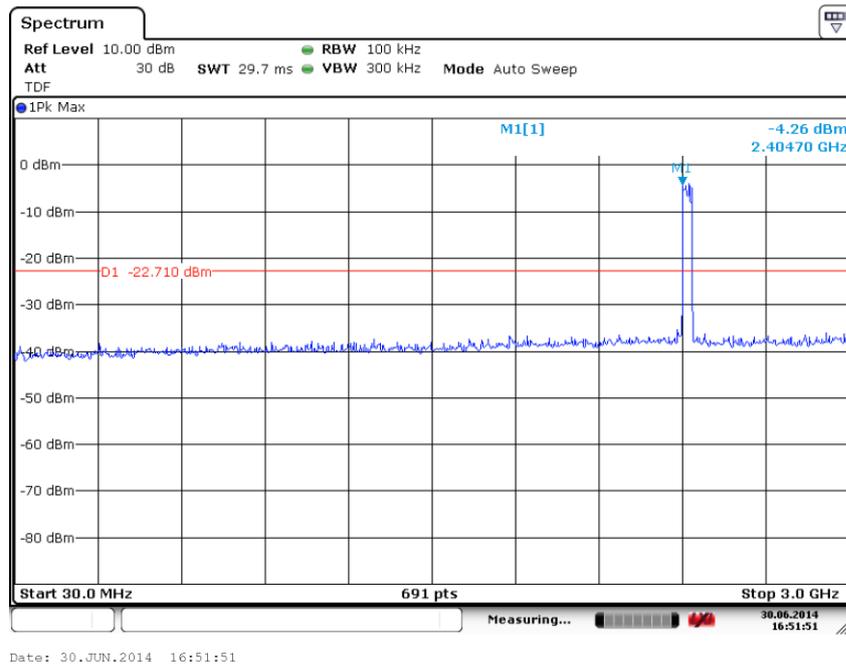
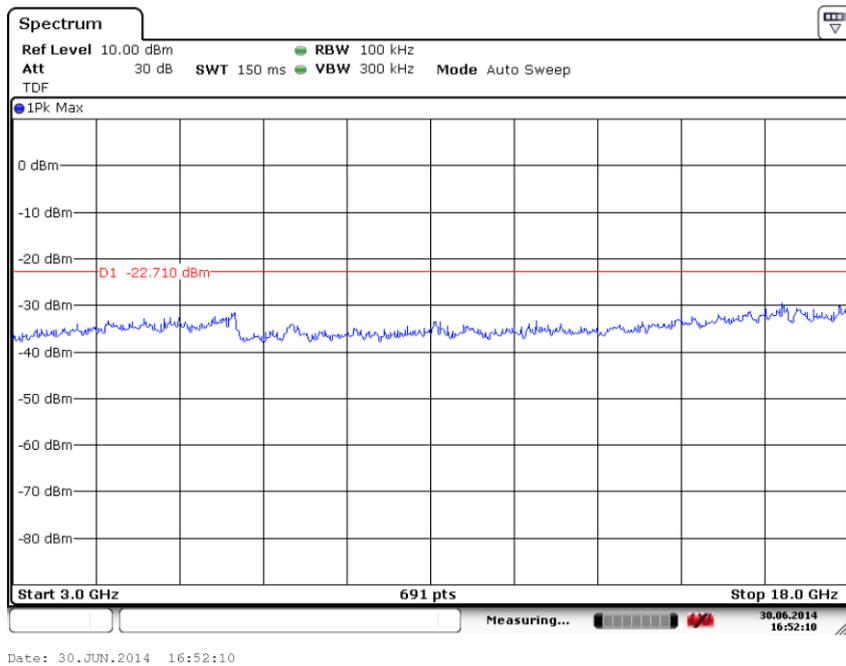


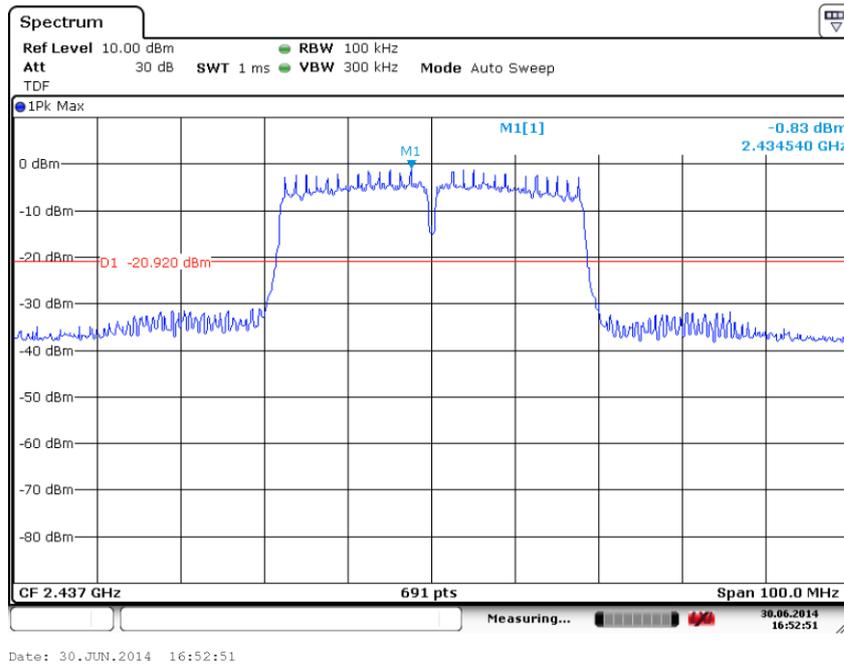
Fig. 60 Conducted Spurious Emission (802.11n-40M, Ch3, Center Frequency)



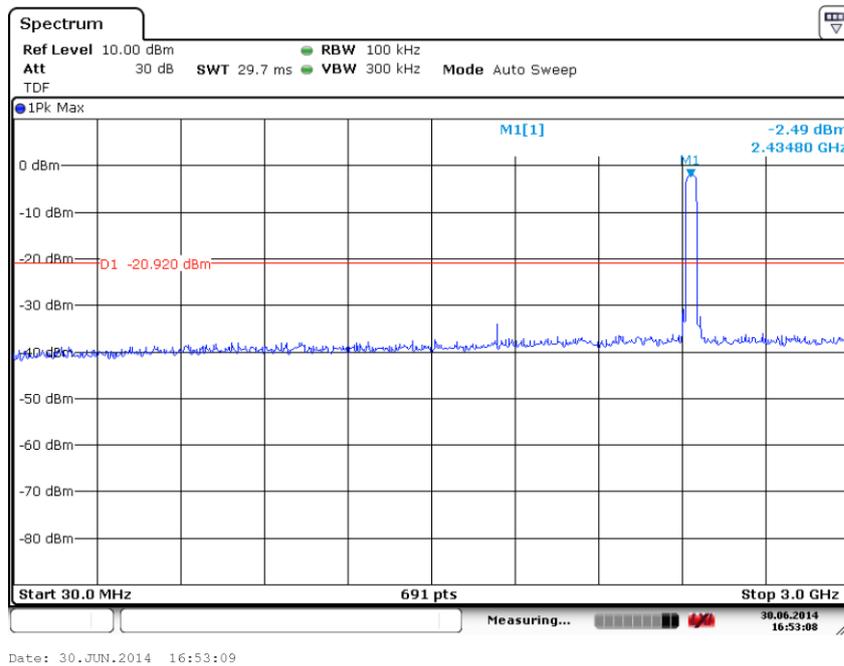
**Fig. 61 Conducted Spurious Emission (802.11n-40M, Ch3, 30 MHz-3 GHz)**



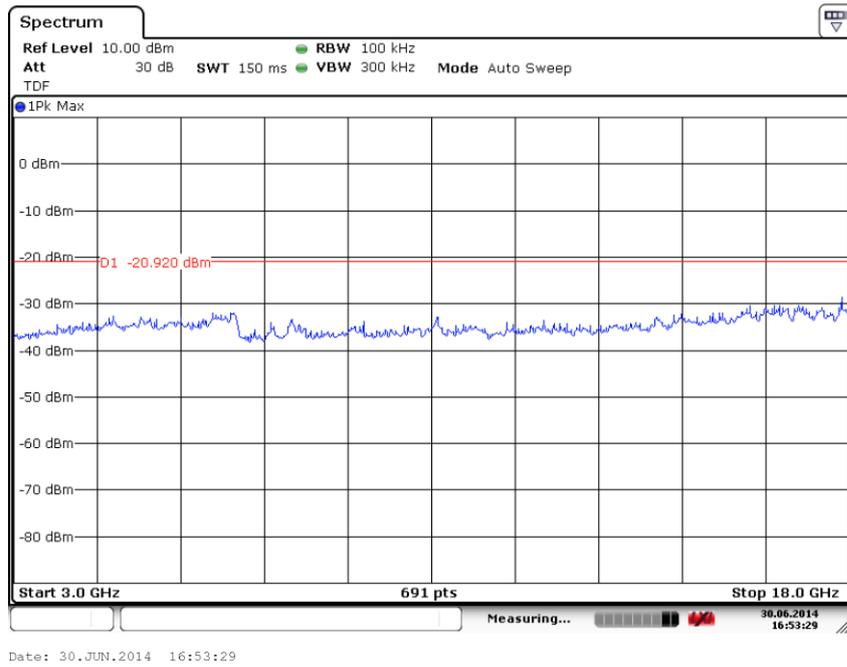
**Fig. 62 Conducted Spurious Emission (802.11n-40M, Ch3, 3 GHz-18 GHz)**



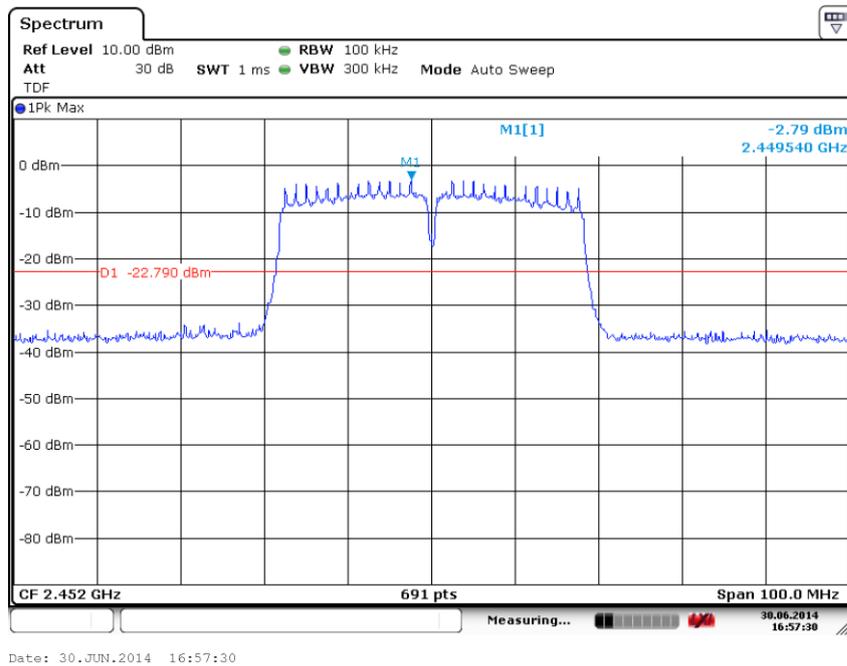
**Fig. 63 Conducted Spurious Emission (802.11n-40M, Ch6, Center Frequency)**



**Fig. 64 Conducted Spurious Emission (802.11n-40M, Ch6, 30 MHz-3 GHz)**



**Fig. 65 Conducted Spurious Emission (802.11n-40M, Ch6, 3 GHz-18 GHz)**



**Fig. 66 Conducted Spurious Emission (802.11n-40M, Ch9, Center Frequency)**

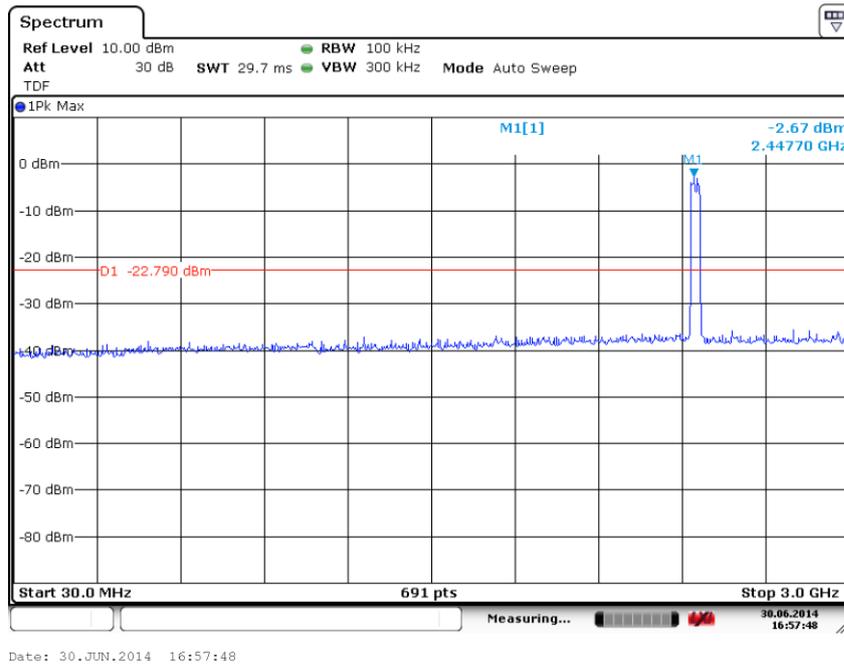


Fig. 67 Conducted Spurious Emission (802.11n-40M, Ch9, 30 MHz-3 GHz)

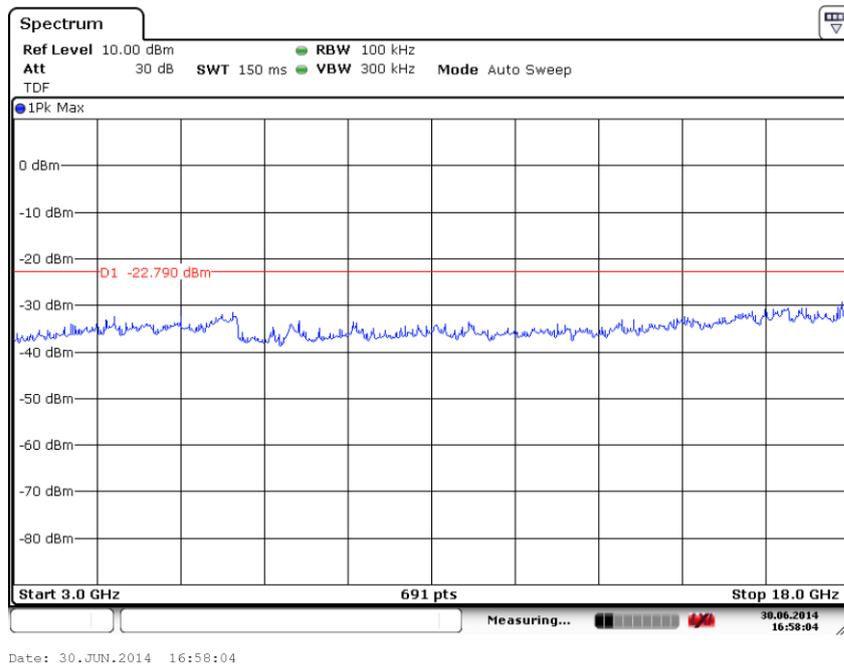
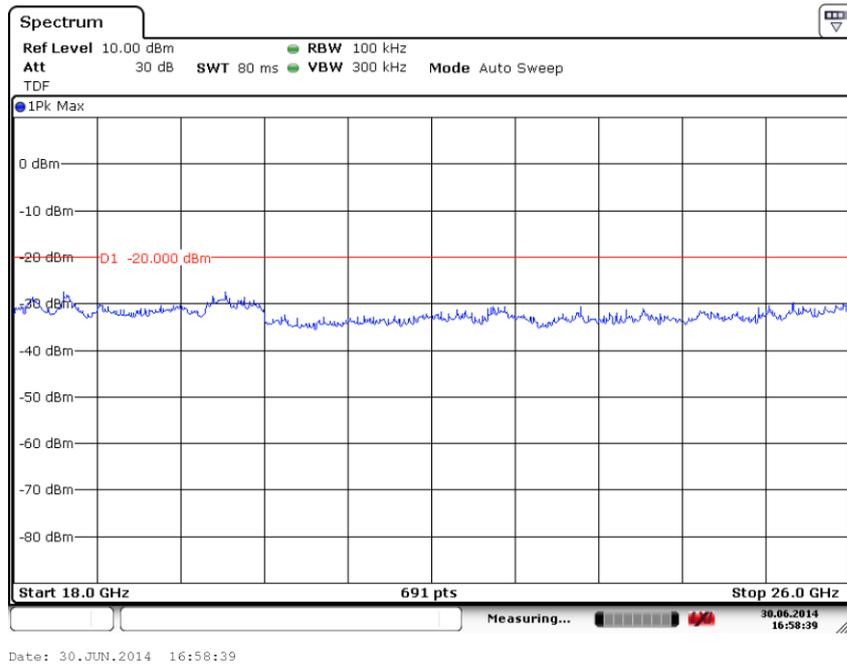
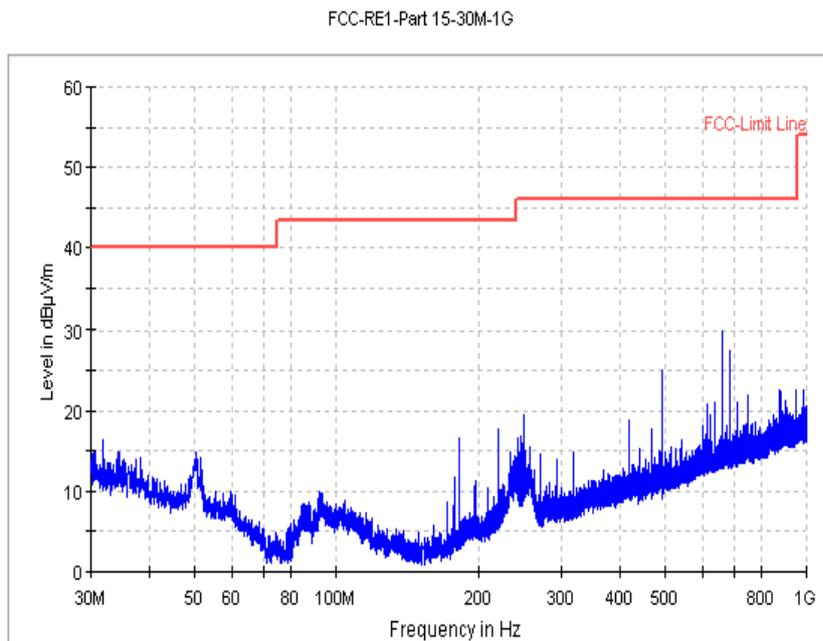


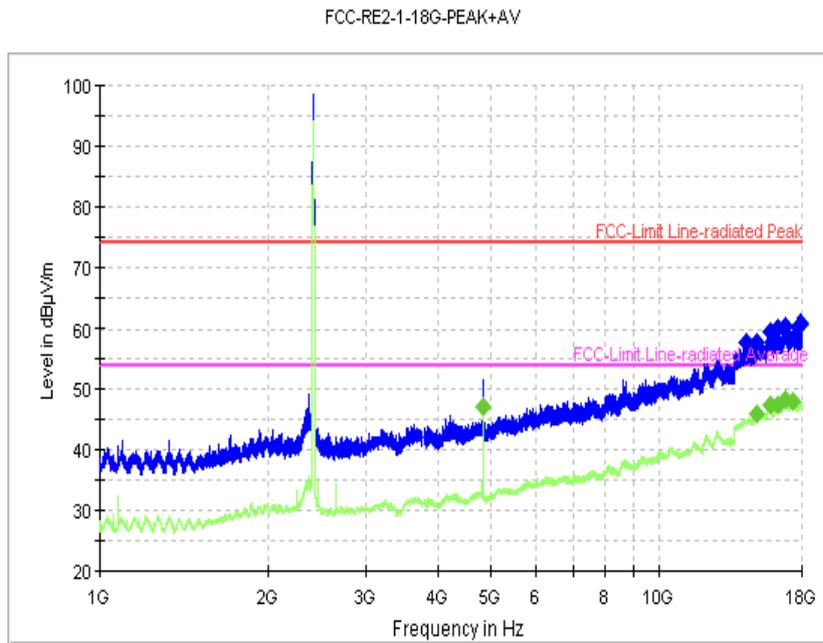
Fig. 68 Conducted Spurious Emission (802.11n-40M, Ch9, 3 GHz-18 GHz)



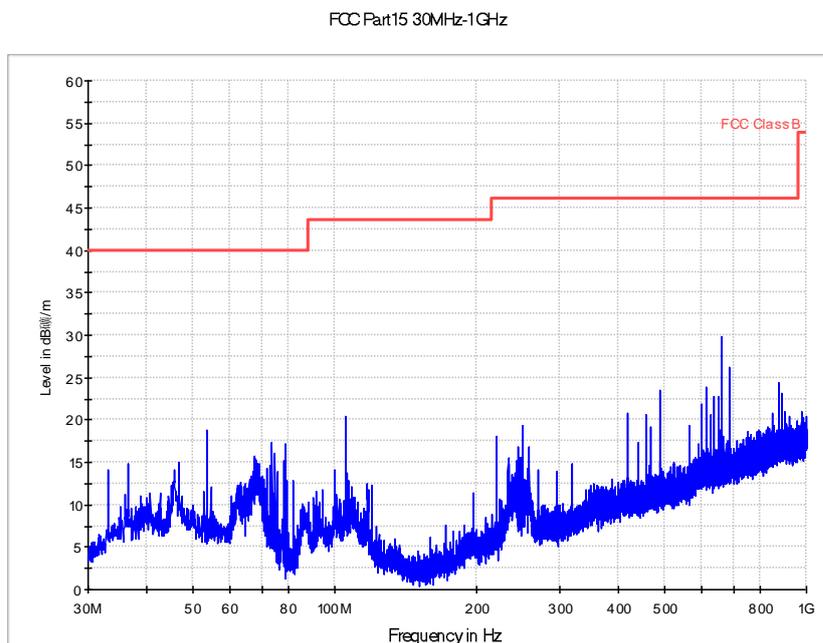
**Fig. 69 Conducted Spurious Emission (All channels, 18 GHz-26 GHz)**



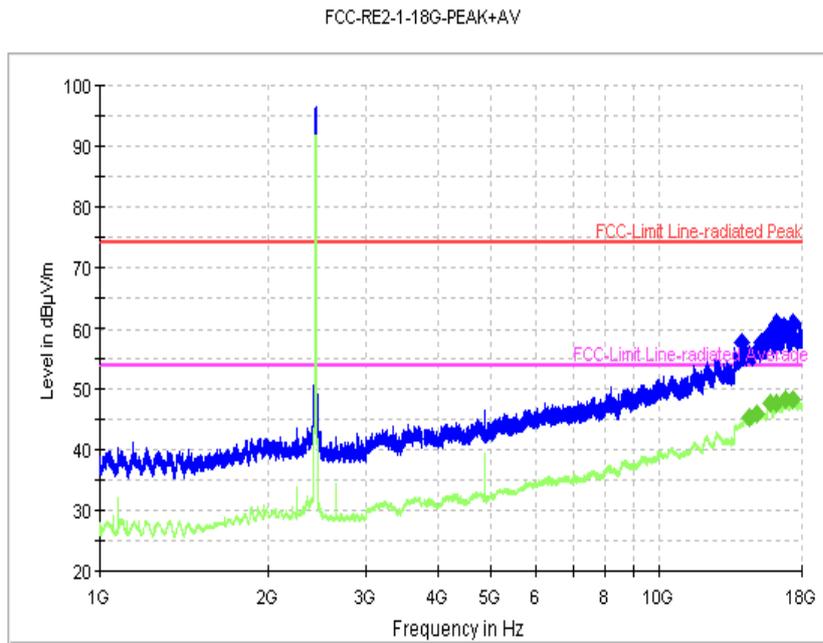
**Fig. 70 Radiated Spurious Emission (802.11b, Ch1, 30MHz-1 GHz)**



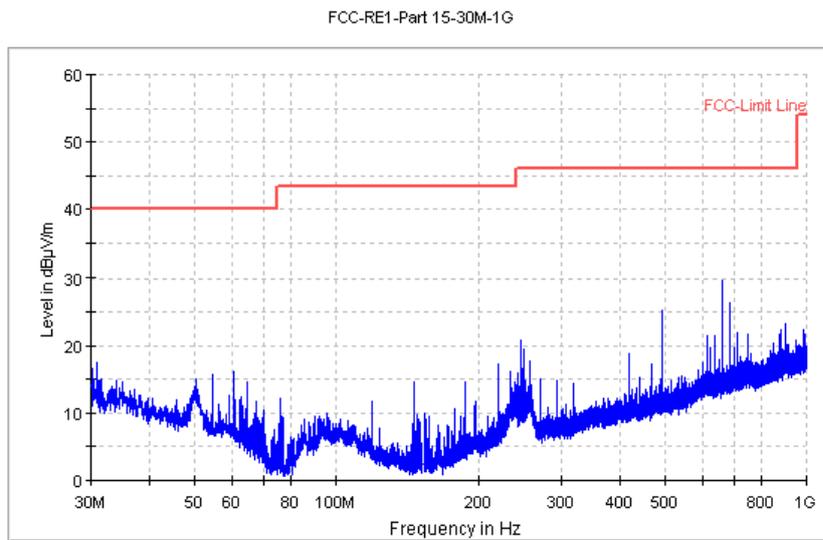
**Fig. 71 Radiated Spurious Emission (802.11b, Ch1, 1 GHz-18 GHz)**



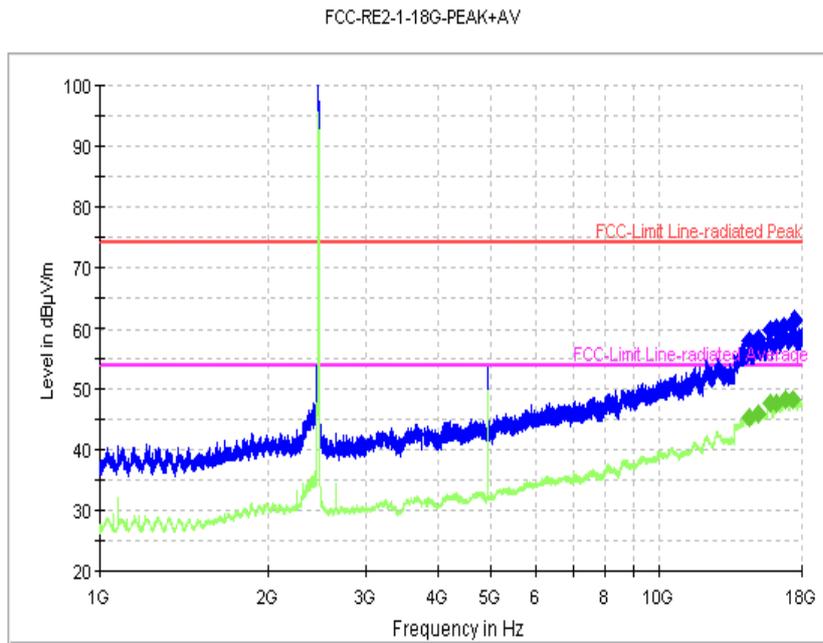
**Fig. 72 Radiated Spurious Emission (802.11b, Ch6, 30MHz-1 GHz)**



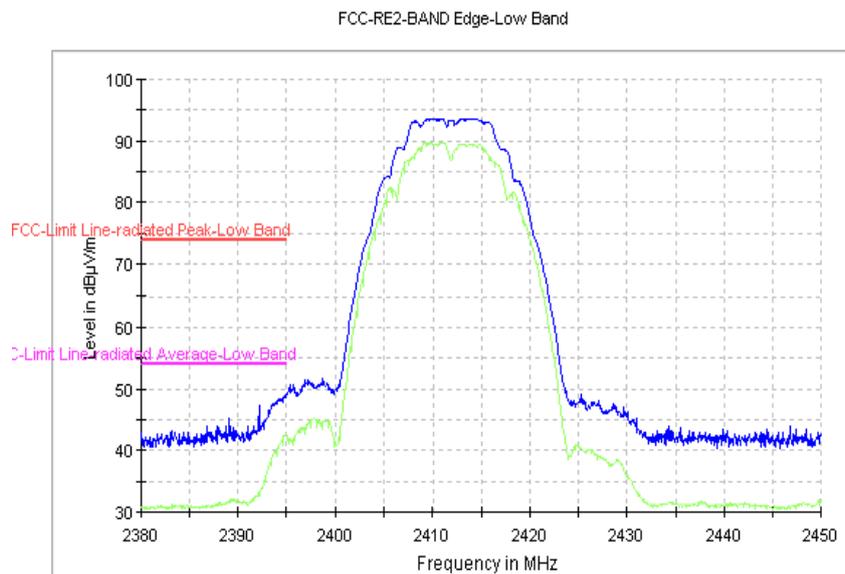
**Fig. 73 Radiated Spurious Emission (802.11b, Ch6, 1 GHz-18 GHz)**



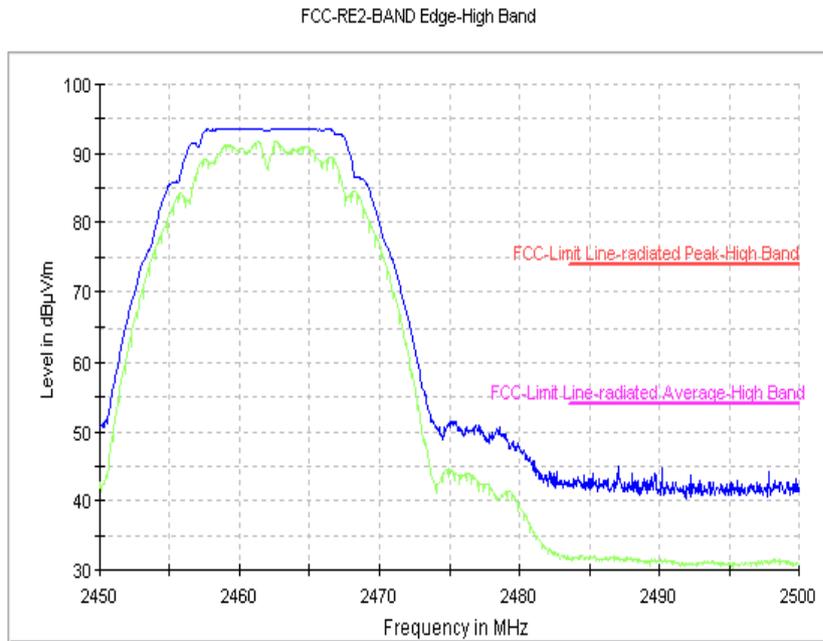
**Fig. 74 Radiated Spurious Emission (802.11b, Ch11, 30MHz-1 GHz)**



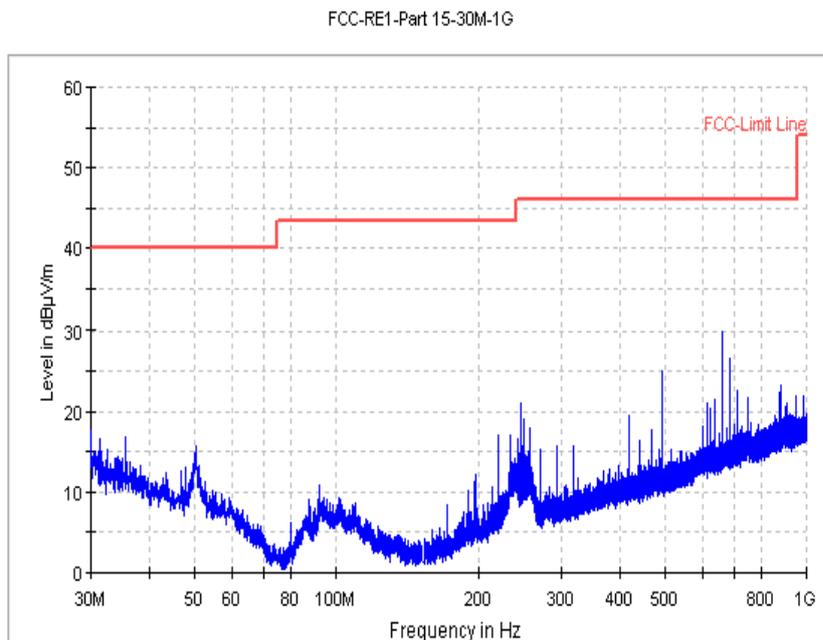
**Fig. 75 Radiated Spurious Emission (802.11b, Ch11, 1 GHz-18 GHz)**



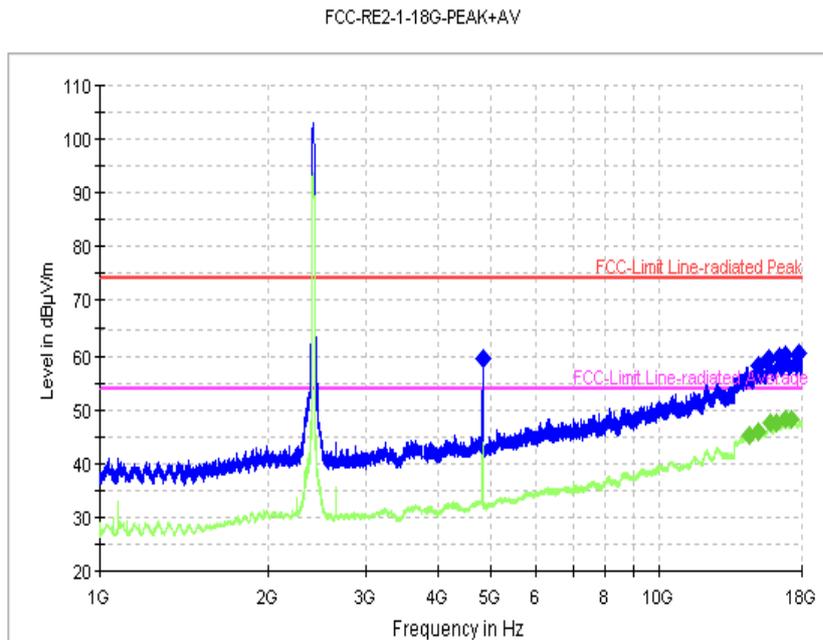
**Fig. 76 Radiated Emission Power (802.11b, Ch1, 2380GHz~2450GHz)**



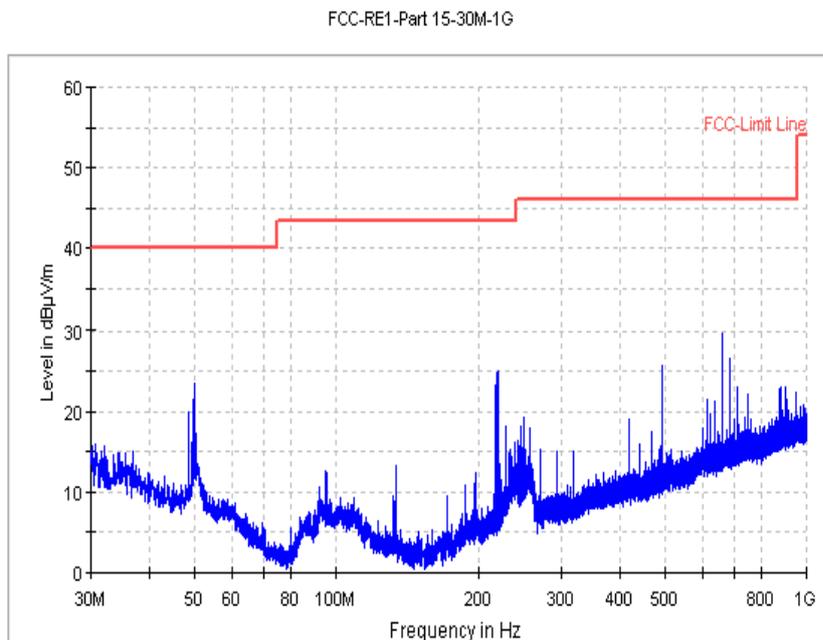
**Fig. 77 Radiated Emission Power (802.11b, Ch11, 2450GHz~2500GHz)**



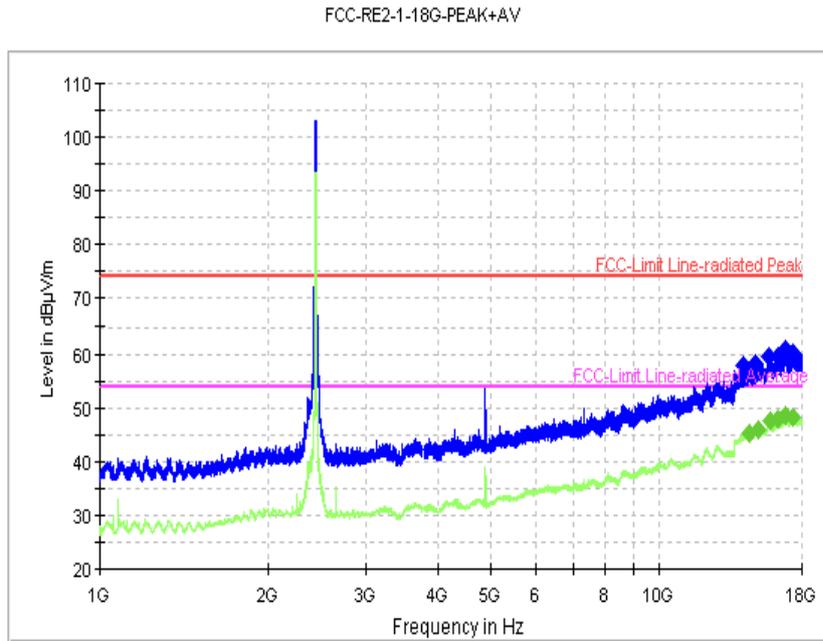
**Fig. 78 Radiated Spurious Emission (802.11g, Ch1,30MHz-1 GHz)**



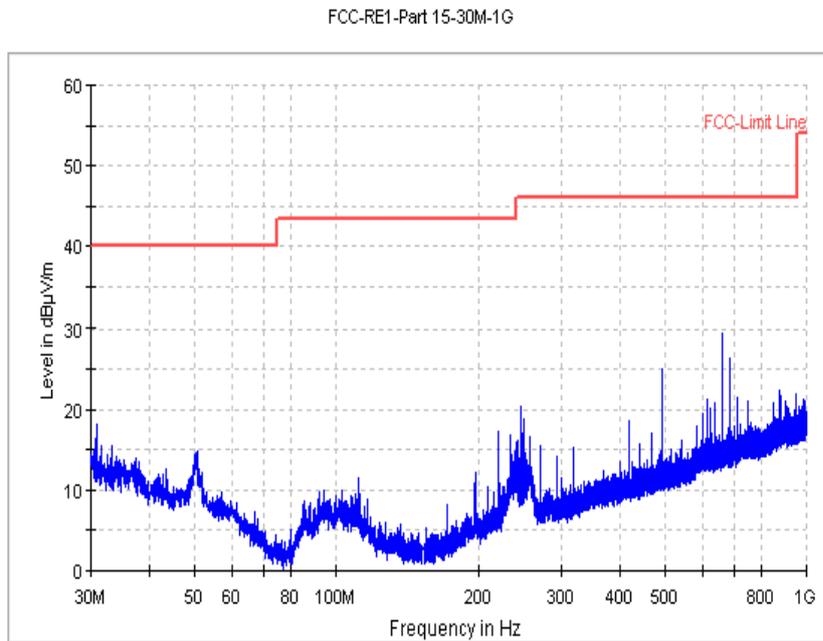
**Fig. 79 Radiated Spurious Emission (802.11g, Ch1, 1 GHz-18 GHz)**



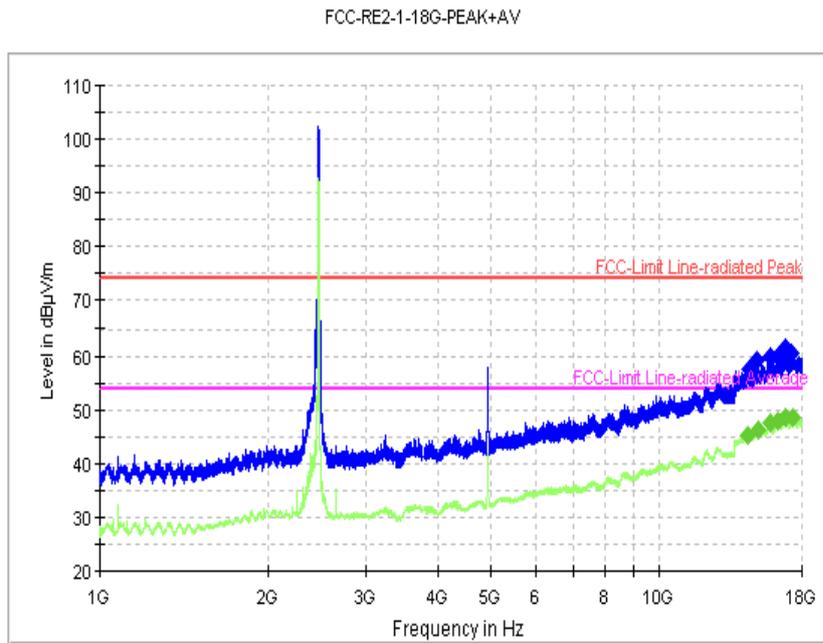
**Fig. 80 Radiated Spurious Emission (802.11g, Ch6, 30MHz-1 GHz)**



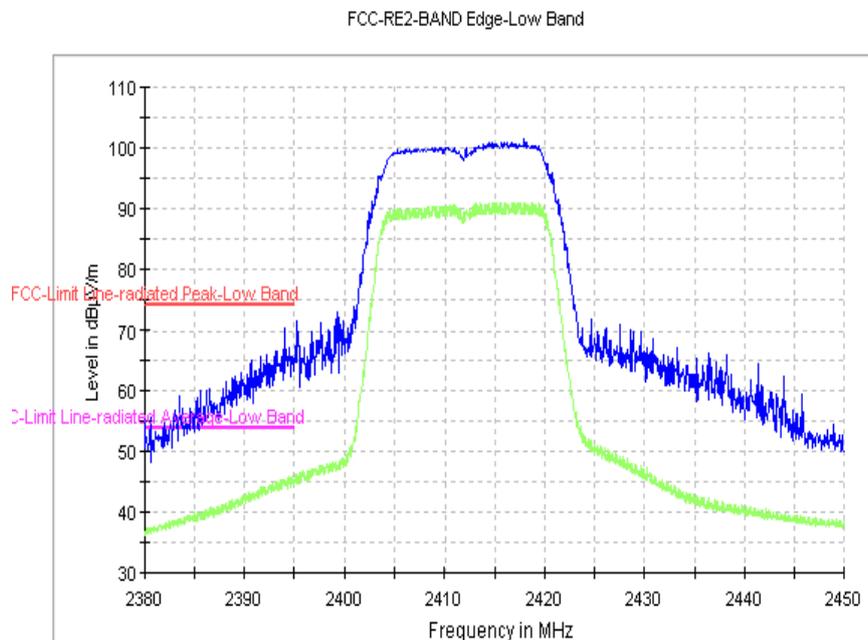
**Fig. 81 Radiated Spurious Emission (802.11g, Ch6, 1 GHz-18 GHz)**



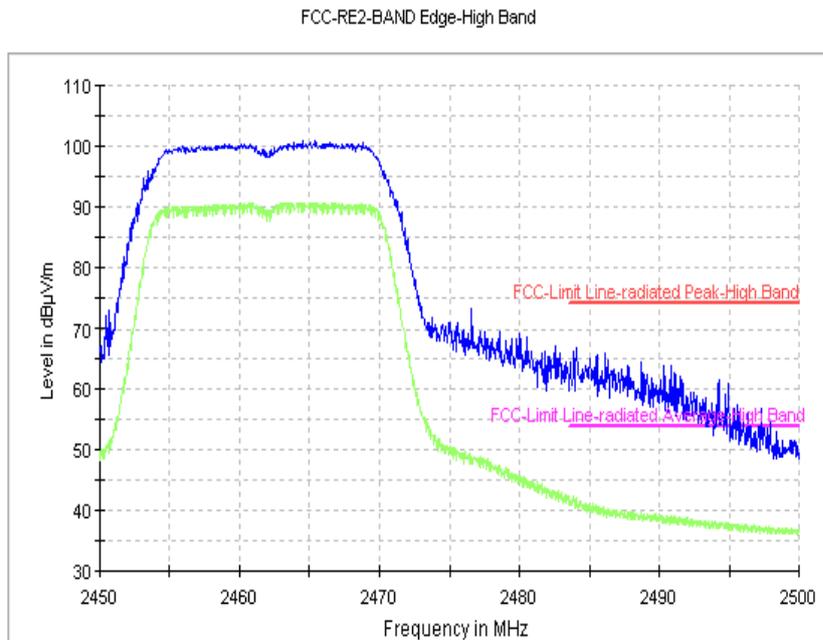
**Fig. 82 Radiated Spurious Emission (802.11g, Ch11, 30MHz-1 GHz)**



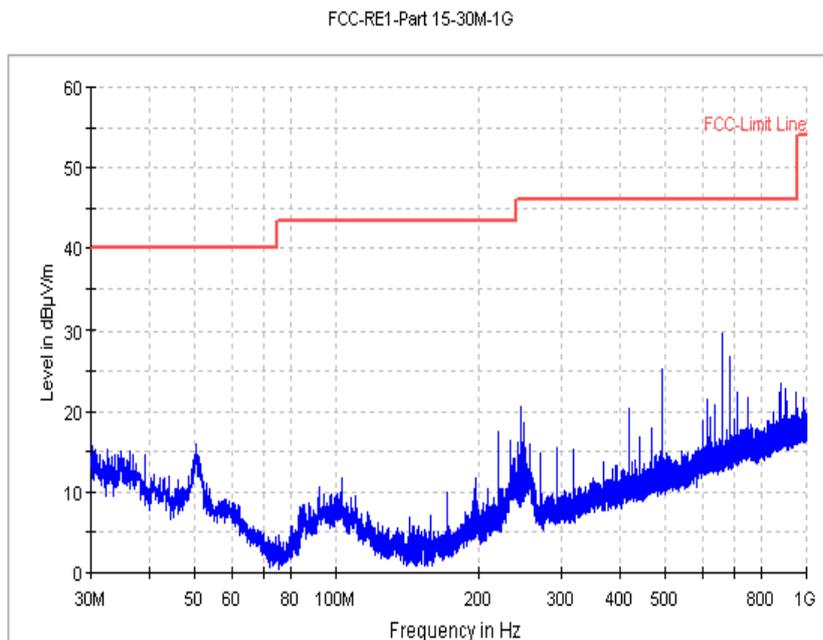
**Fig. 83 Radiated Spurious Emission (802.11g, Ch11, 1 GHz-18 GHz)**



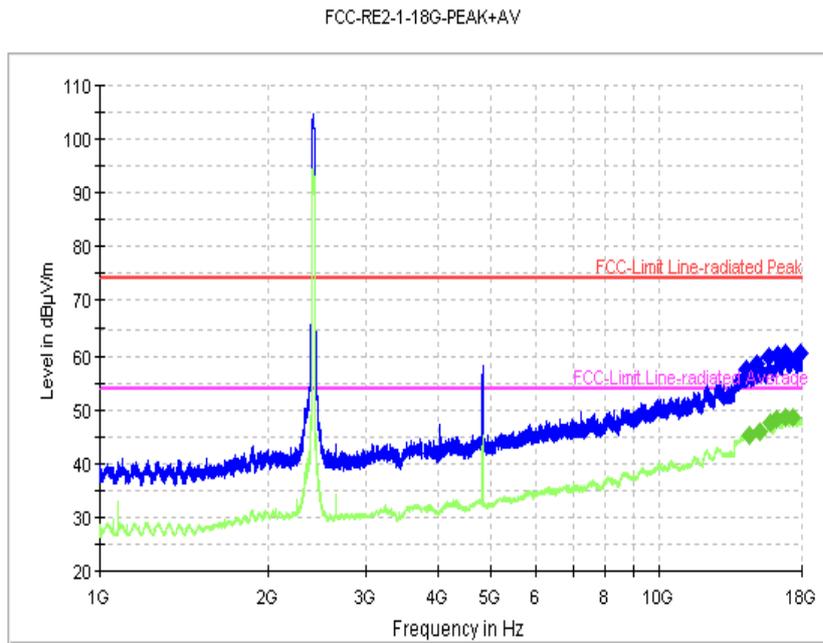
**Fig. 84 Radiated Emission Power (802.11g, Ch1, 2380GHz~2450GHz)**



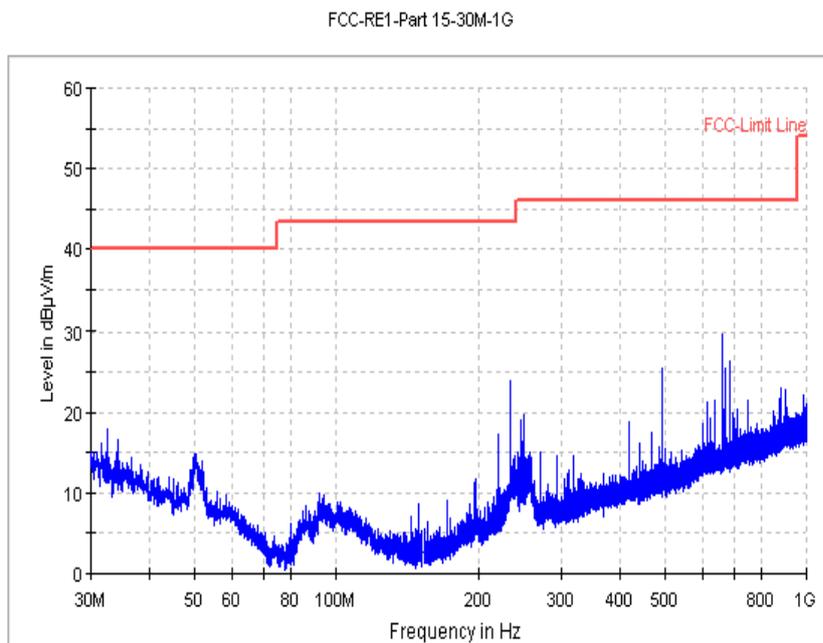
**Fig. 85 Radiated Emission Power (802.11g, Ch11, 2450GHz~2500GHz)**



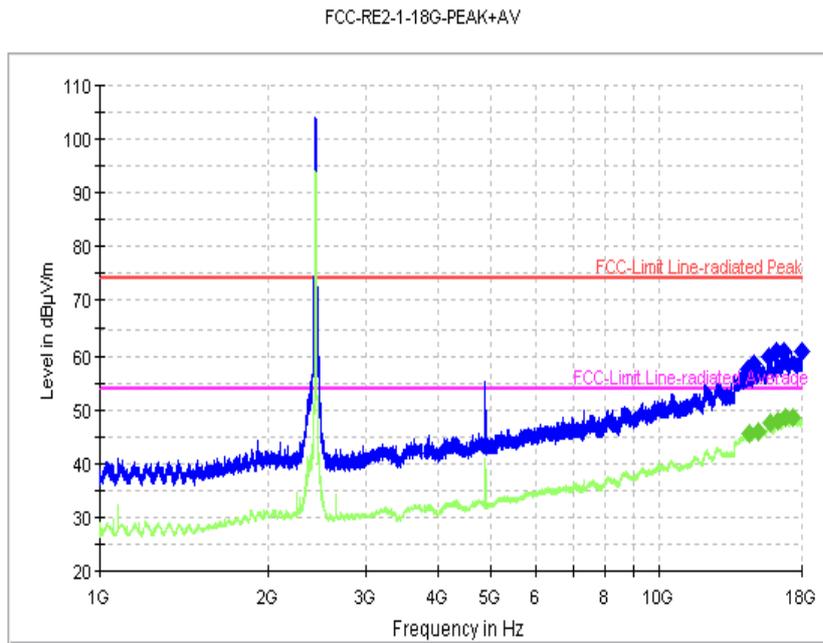
**Fig. 86 Radiated Spurious Emission (802.11n-20M, Ch1, 30MHz-1 GHz)**



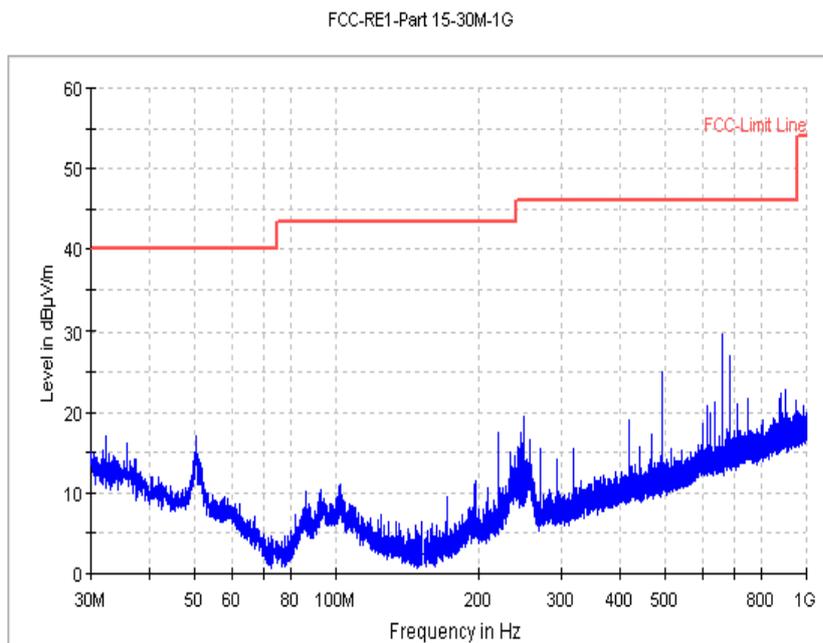
**Fig. 87 Radiated Spurious Emission (802.11n-20M, Ch1, 1 GHz-18 GHz)**



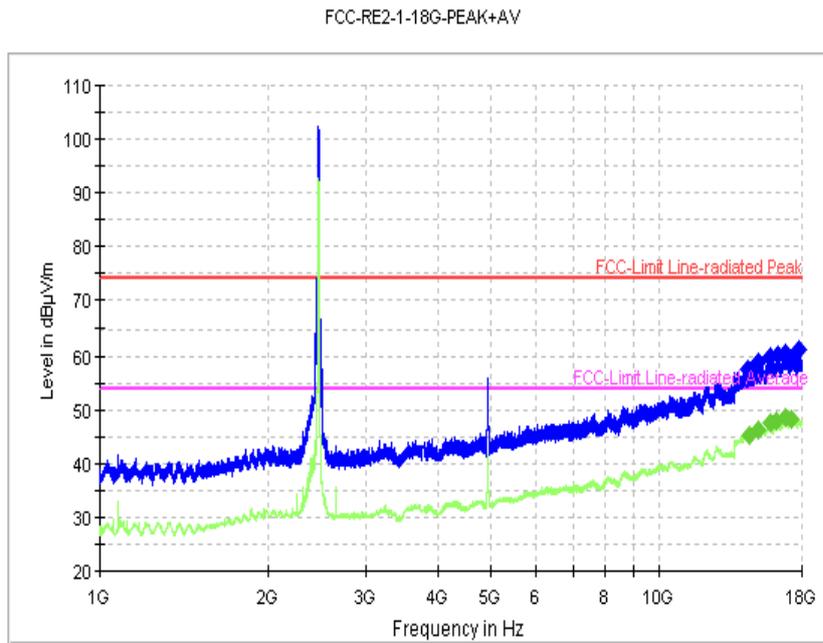
**Fig. 88 Radiated Spurious Emission (802.11n-20M, Ch6, 30MHz-1 GHz)**



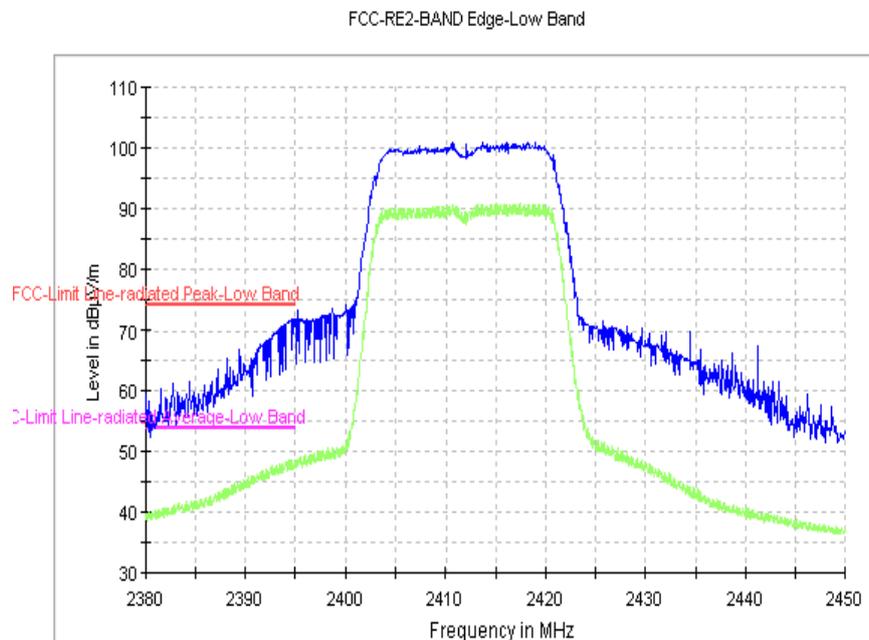
**Fig. 89 Radiated Spurious Emission (802.11n-20M, Ch6, 1 GHz-18 GHz)**



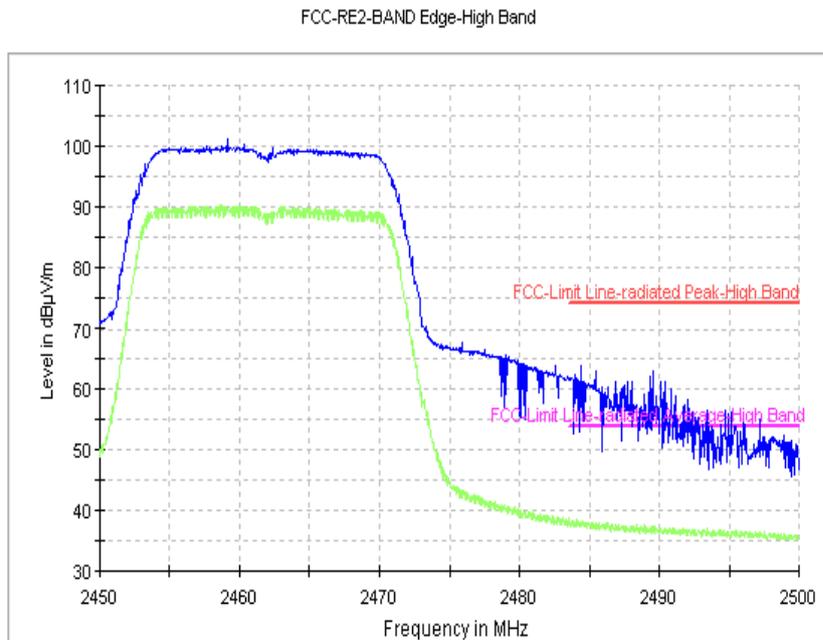
**Fig. 90 Radiated Spurious Emission (802.11n-20M, Ch11, 30MHz-1 GHz)**



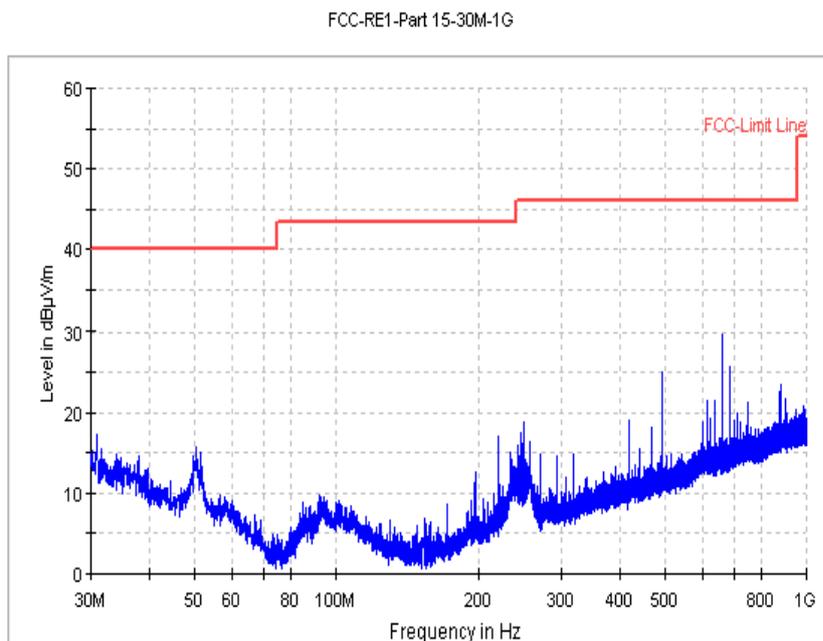
**Fig. 91 Radiated Spurious Emission (802.11n-20M, Ch11, 1 GHz-18 GHz)**



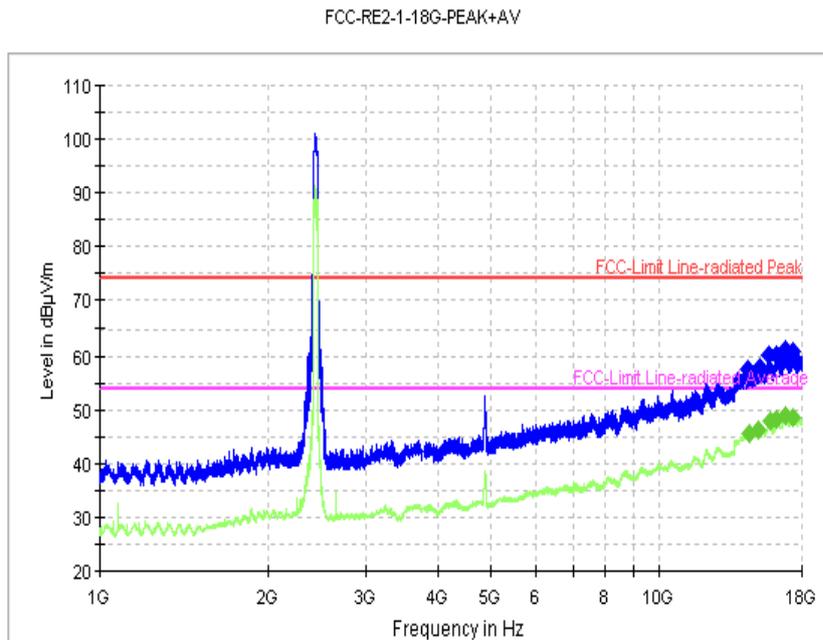
**Fig. 92 Radiated Emission Power (802.11n-20M, Ch1, 2380GHz~2450GHz)**



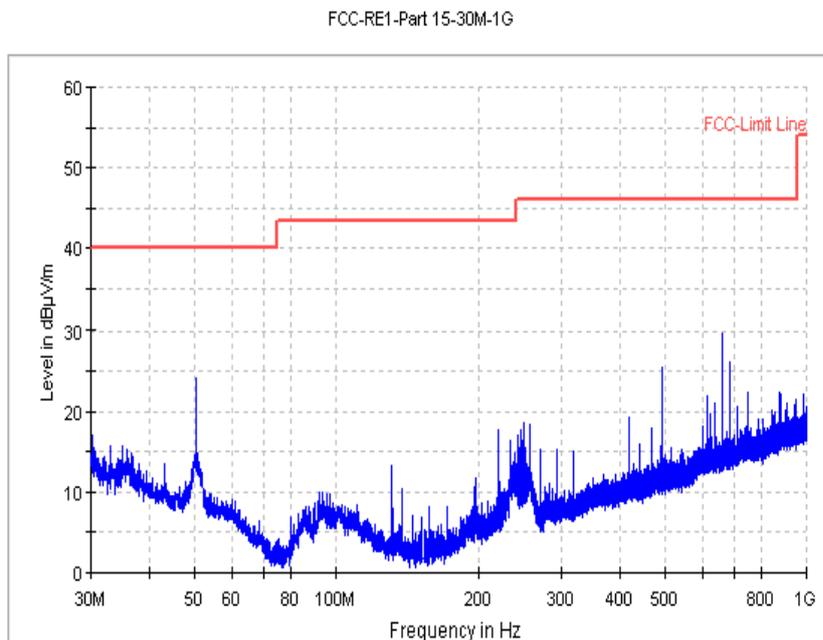
**Fig. 93 Radiated Emission Power (802.11n-20M, Ch11, 2450GHz~2500GHz)**



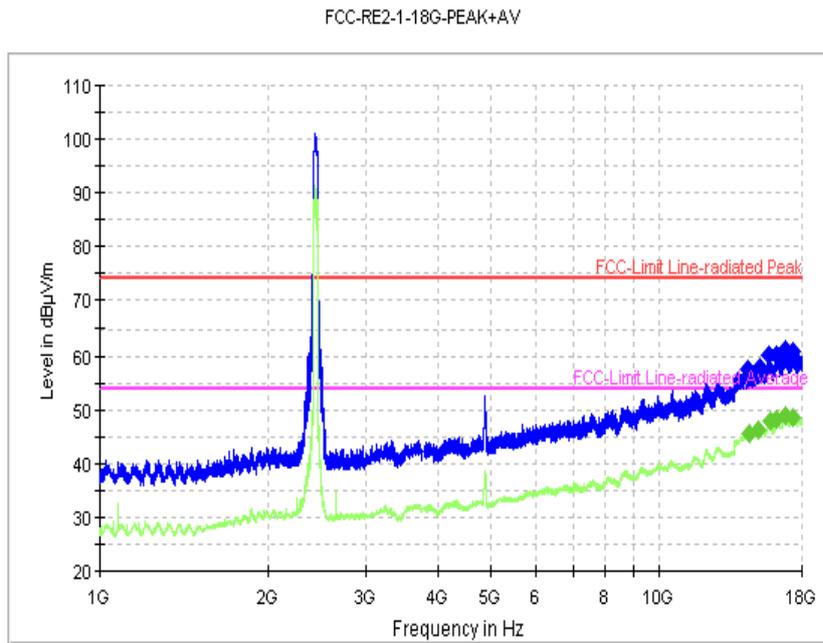
**Fig. 94 Radiated Spurious Emission (802.11n-40M, Ch3, 30MHz-1 GHz)**



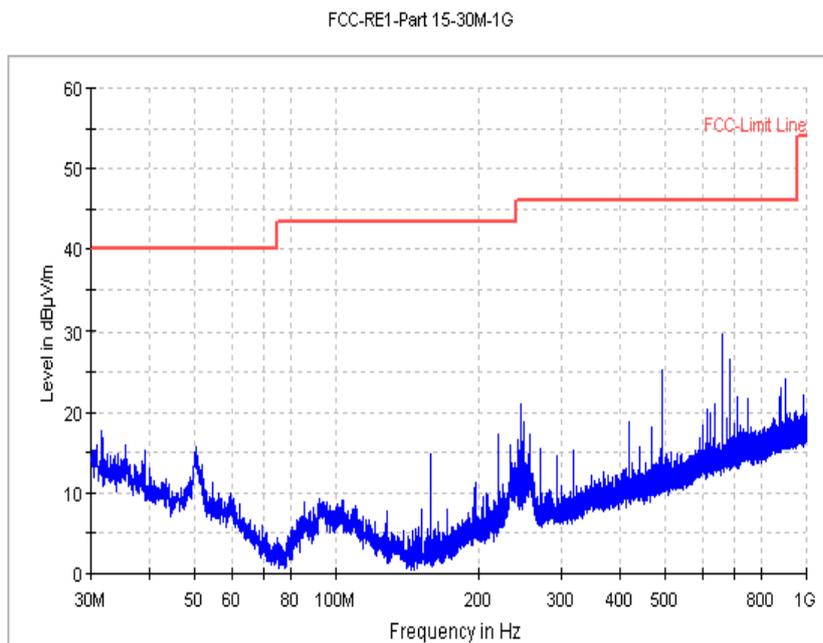
**Fig. 95 Radiated Spurious Emission (802.11n-40M, Ch3, 1 GHz-18 GHz)**



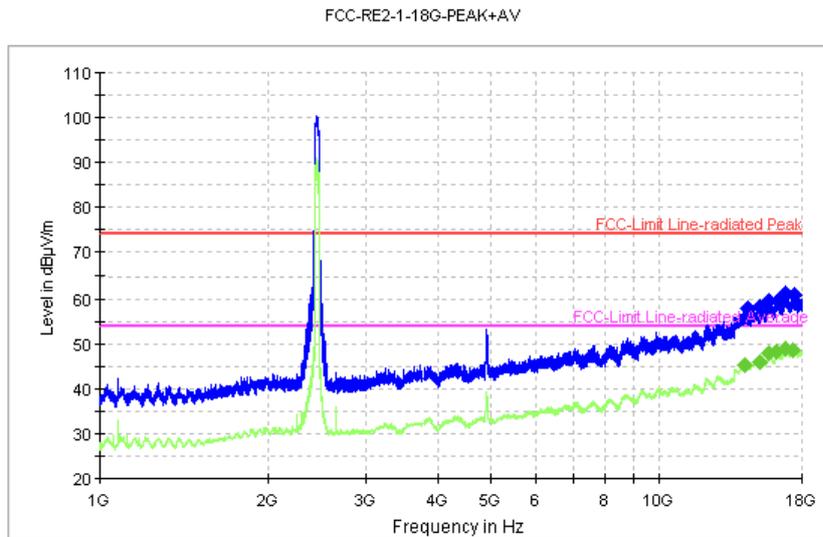
**Fig. 96 Radiated Spurious Emission (802.11n-40M, Ch6, 30MHz-1 GHz)**



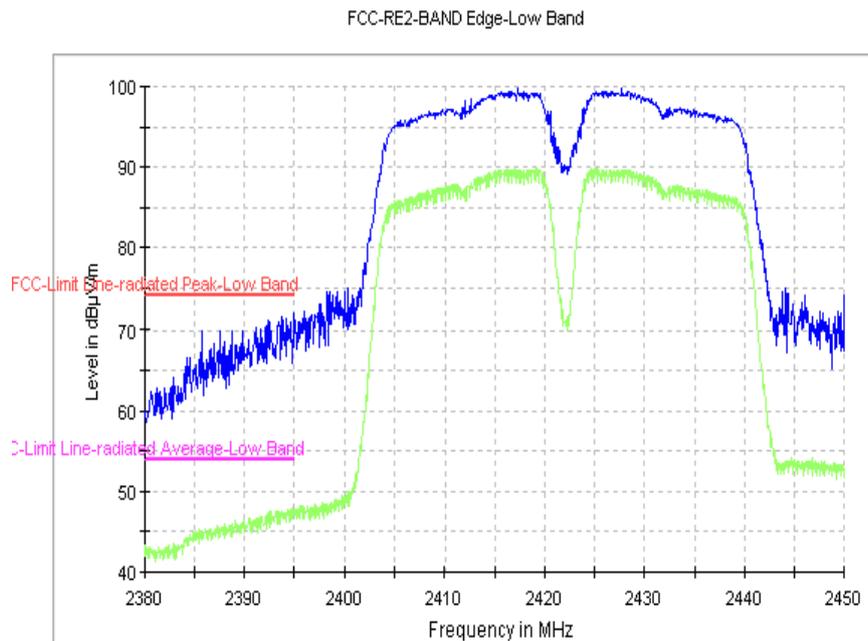
**Fig. 97 Radiated Spurious Emission (802.11n-40M, Ch6, 1 GHz-18 GHz)**



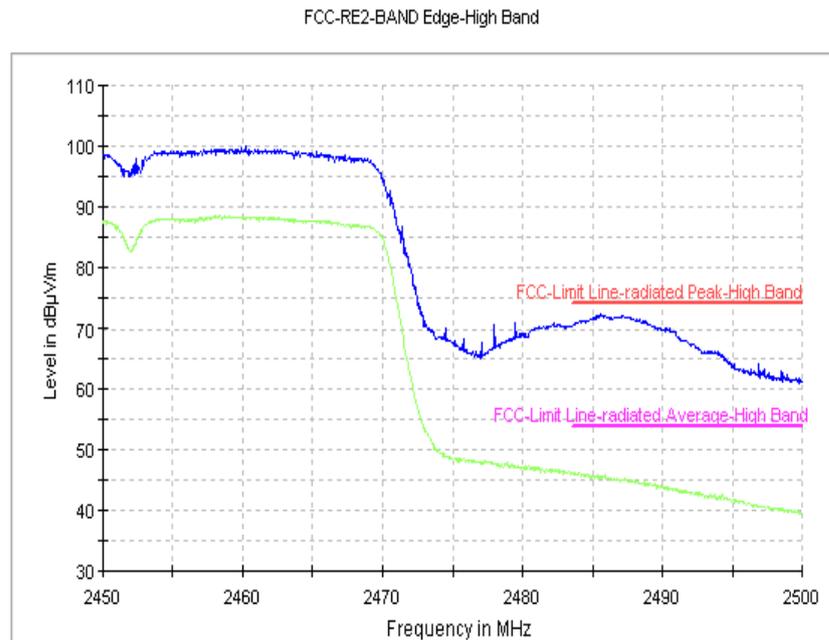
**Fig. 98 Radiated Spurious Emission (802.11n-40M, Ch9, 30MHz-1 GHz)**



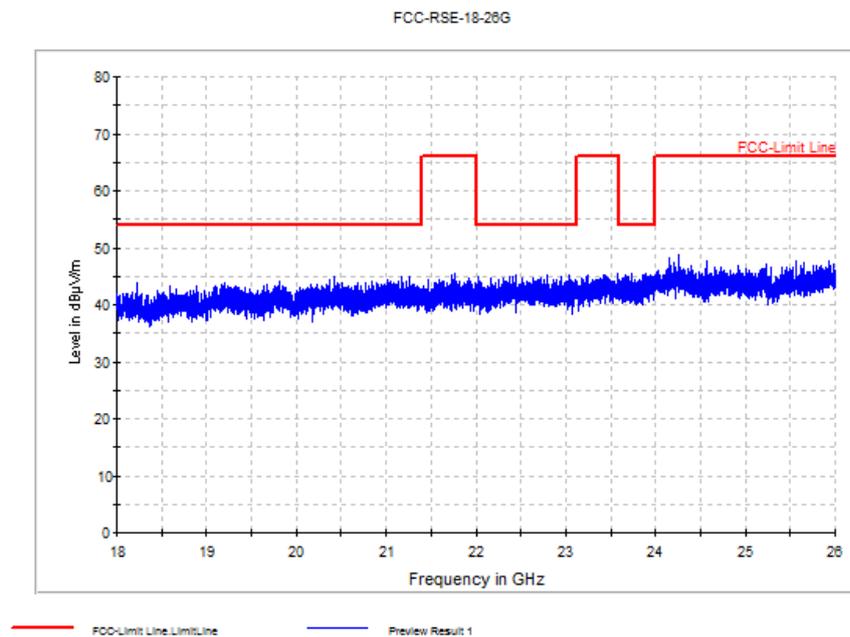
**Fig. 99 Radiated Spurious Emission (802.11n-40M, Ch9, 1 GHz-18 GHz)**



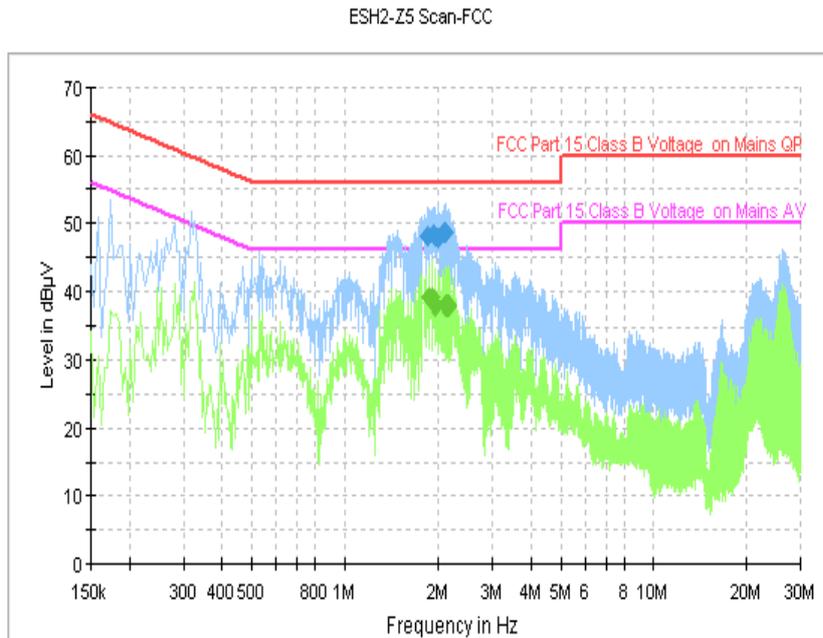
**Fig. 100 Radiated Emission Power (802.11n-40M, Ch3, 2380GHz~2450GHz)**



**Fig. 101 Radiated Emission Power (802.11n-20M, Ch9, 2450GHz~2500GHz)**



**Fig. 102 Radiated emission: 18 GHz - 26 GHz**



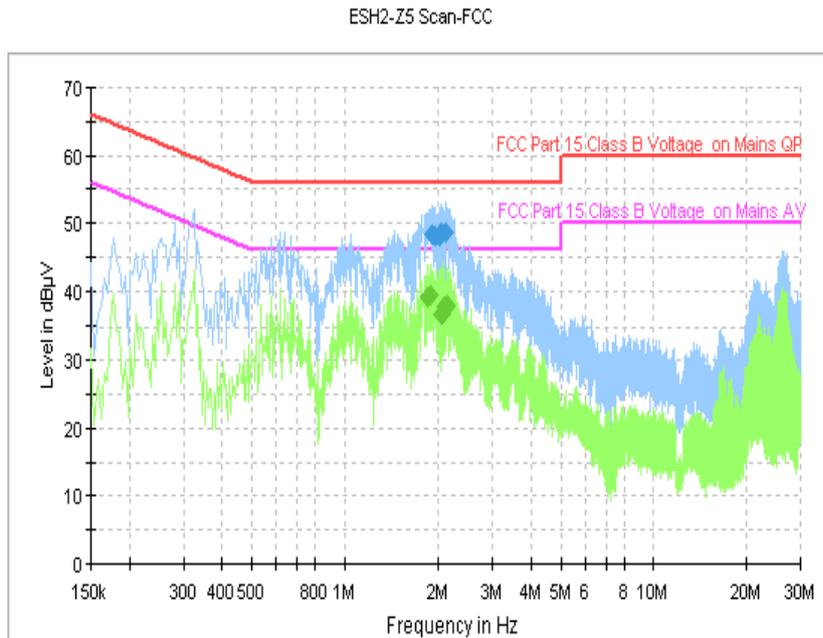
**Fig. 103 AC Powerline Conducted Emission (Traffic, AE2)**

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.838000	48.1	FLO	L1	10.1	7.9	56.0
1.926000	48.3	FLO	L1	10.1	7.7	56.0
1.958000	48.1	FLO	L1	10.1	7.9	56.0
1.990000	47.8	FLO	L1	10.1	8.2	56.0
2.094000	48.6	FLO	L1	10.1	7.4	56.0
2.110000	48.7	FLO	L1	10.1	7.3	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	CAverage (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.870000	39.2	FLO	L1	10.1	6.8	46.0
1.914000	39.1	FLO	L1	10.1	6.9	46.0
1.958000	38.0	FLO	L1	10.1	8.0	46.0
2.110000	37.8	FLO	L1	10.1	8.2	46.0
2.138000	38.0	FLO	L1	10.1	8.0	46.0
2.166000	38.0	FLO	L1	10.1	8.0	46.0



**Fig. 104 AC Powerline Conducted Emission (Idle, AE2)**

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.906000	48.3	FLO	L1	10.1	7.7	56.0
1.950000	48.0	FLO	L1	10.1	8.0	56.0
2.010000	48.1	FLO	L1	10.1	7.9	56.0
2.038000	48.4	FLO	L1	10.1	7.6	56.0
2.050000	48.6	FLO	L1	10.1	7.4	56.0
2.106000	48.6	FLO	L1	10.1	7.4	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	CAverage (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.846000	39.1	FLO	L1	10.1	6.9	46.0
1.890000	39.3	FLO	L1	10.1	6.7	46.0
2.038000	36.7	FLO	L1	10.1	9.3	46.0
2.066000	36.9	FLO	L1	10.1	9.1	46.0
2.094000	37.5	FLO	L1	10.1	8.5	46.0
2.122000	37.9	FLO	L1	10.1	8.1	46.0

\*\*\* END OF REPORT BODY \*\*\*