FCC PART 15C
TEST REPORT
No. 2013WLN0809

for

TCT Mobile Limited

HSDPA/HSUPA/UMTS dual band / GSM quad bands mobile phone

Model Name: Comet Hybrid(Beetle Lite JB VF)

Marketing Name: Vodafone 875

With

FCC ID: RAD376

Hardware Version: MP

Software Version: vID3-8

Issued Date: 2013-12-05

DAkkS
Deutsche
Akkreditierungsstelle
D-PL-12123-01-01

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.

Test Laboratory:

TMC Beijing, Telecommunication Metrology Center of Ministry of Industry and Information Technology

No. 52 Hua Yuanbei Road, Haidian District, Beijing, P.R.China 100191

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CONTENTS

1. TEST LABORATORY

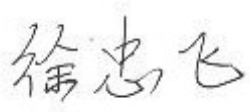
1.1. Testing Location

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

1.2. Project data

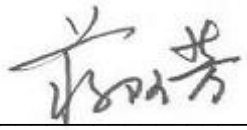
Testing Start Date:	2012-12-25
Testing End Date:	2013-12-05

1.3. Signature



Xu Zhongfei

(Prepared this test report)



Jiang Afang

(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
City:	Shanghai
Postal Code:	201203
Country:	China
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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
City:	Shanghai
Postal Code:	201203
Country:	China
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	HSDPA/HSUPA/UMTS dual band / GSM quad bands mobile phone
Type	Comet Hybrid(Beetle Lite JB VF)
Market name	Vodafone 875
FCC ID	RAD376
IC ID	/
With WLAN Function	Yes
Frequency Range	ISM 2400MHz~2483.5MHz
Type of Modulation	DSSS/CCK/OFDM
Number of Channels	13
Antenna	Integral Antenna
MAX Conducted Power	23.47dBm(CCK)
Power Supply	3.8V DC by Battery

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

3.2. Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version
EUT1	355963050101682	MP	vID3-8
EUT2	355963050101633	MP	vID3-8

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

3.3. Internal Identification of AE used during the test

AE ID*	Description	Type	SN
AE1	Battery	TLi014A1	/
AE2	Battery	TLiB60B	/
AE3	Battery	CAB31P0000C1	/
AE4	Battery	CAB31P0000C3	/
AE5	Charger	CBA3001AG0C1	/
AE6	Charger	CBA3001AG0C2	/

*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 HSDPA/HSUPA/UMTS dual band / GSM quad bands 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.

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.

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.	2012 Edition
ANSI C63.10	Procedures for testing compliance of a wide variety of unlicensed wireless devices	2009

5. LABORATORY ENVIRONMENT

Conducted RF performance testing is performed in shielding room.

EMC performance testing is performed in Semi-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.

The measurement is made according to Public notice ANSI C63.10.

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.

This model is a variant product which market name is ONE TOUCH 4010A; all the test result has been derived from test report of ONE TOUCH 4010A besides channel 12 and channel13 result.

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℃
Voltage	4.2V
Humidity	44%

7. TEST EQUIPMENTS UTILIZED

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration date	Calibration Due date
1	Vector Signal Analyzer	FSQ40	200089	Rohde & Schwarz	2013-07-08	2014-07-07
2	Test Receiver	ESS	847151/015	Rohde & Schwarz	2013-11-1	2014-10-30
3	LISN	ESH2-Z5	829991/012	Rohde & Schwarz	2013-4-15	2014-08-12
4	Shielding Room	S81	/	ETS-Lindgren	/	/

Radiated emission test system

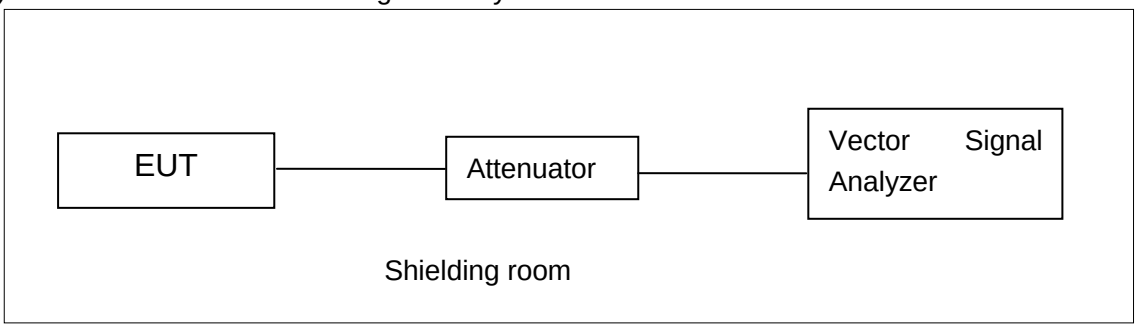
No.	Equipment	Model	Serial Number	Manufacturer	Calibration date	Calibration Due date
1	Test Receiver	ESU26	100376	Rohde & Schwarz	2013-11-8	2014-11-7
2	BiLog Antenna	VULB9163	9163-514	Schwarzbeck	2011-11-11	2014-11-10
3	Dual-Ridge Waveguide Horn Antenna	3117	00119024	ETS-Lindgren	2011-2-2	2014-2-1
4	Dual-Ridge Waveguide Horn Antenna	3116	2661	EMCO	2011-7-1	2014-06-30
5	Loop antenna	HFH2-Z2	829324/007	Rohde & Schwarz	2011-12-21	2014-12-20
6	Semi-anechoic chamber	/	CT000332-1074	Frankonia German	/	/

ANNEX A: MEASUREMENT RESULTS

A.1. Measurement Method

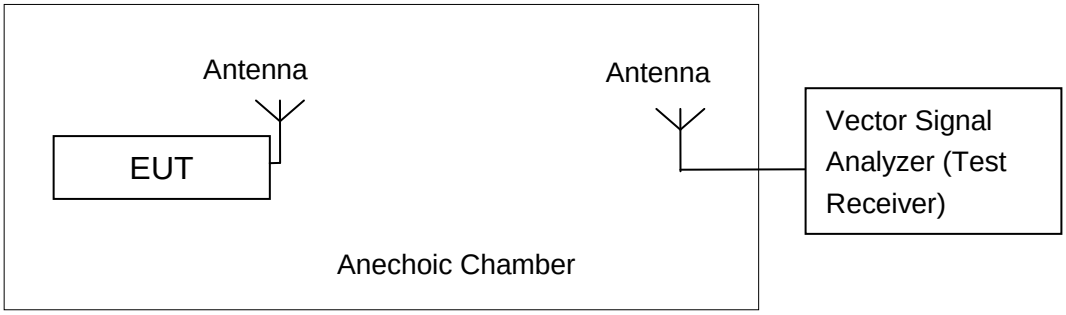
A.1.1. Conducted Measurements

1). Connect the EUT to the test system correctly.
2). Set the EUT to the required work mode.
3). Set the EUT to the required channel.
4). Set the spectrum analyzer to start measurement.
5). Record the values. Vector Signal Analyzer



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;



The measurement is made according to ANSI C63.10

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 ANSI C63.10, and EUT is operating in continuous transmitting mode.

Measurement Uncertainty:

Measurement Uncertainty	0.75dB

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)	2467MHz (Ch12)	2472MHz (Ch13)
802.11b	1	19.41	/	/	18.11	/
	2	19.48	/	/	18.21	/
	5.5	21.07	/	/	19.66	/
	11	22.43	23.47	23.06	20.97	17.41
802.11g	6	21.43	/	/	8.27	/
	9	21.42	/	/	8.25	/
	12	21.25	/	/	8.06	/
	18	21.06	/	/	8.02	/
	24	21.53	/	/	8.54	/
	36	21.57	/	/	8.52	/
	48	21.68	/	/	8.61	/
	54	21.71	20.16	19.67	8.65	8.75

The data rate 11Mbps and 54Mbps 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)	2467MHz (Ch12)	2472MHz (Ch13)
802.11n (20MHz)	MCS0	17.77	/	/	8.22	/
	MCS1	18.08	/	/	8.09	/
	MCS2	18.13	/	/	8.01	/
	MCS3	18.69	18.01	17.81	8.59	8.54
	MCS4	18.64	/	/	8.53	/
	MCS5	18.51	/	/	8.54	/
	MCS6	18.57	/	/	8.57	/
	MCS7	18.49	/	/	8.58	/

The data rate MCS3 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)	2457MHz (Ch10)	2462MHz (Ch11)
802.11n (40MHz)	MCS0	15.29	/	/	20.47	/
	MCS1	15.44	/	/	20.23	/
	MCS2	15.54	/	/	20.01	/
	MCS3	15.98	15.57	15.43	20.49	20.41
	MCS4	15.95	/	/	20.41	/
	MCS5	15.93	/	/	20.46	/
	MCS6	15.73	/	/	20.43	/
	MCS7	15.71	/	/	20.45	/

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)	2467MHz (Ch12)	2472MHz (Ch13)
802.11b	15.86	15.35	14.95	14.92	11.40
802.11g	12.70	12.31	11.96	1.90	2.02

802.11n-HT20 mode

Mode	Test Result (dBm)				
	2412MHz (Ch1)	2437MHz (Ch6)	2462 MHz (Ch11)	2467MHz (Ch12)	2472MHz (Ch13)
802.11n (20MHz)	10.78	10.30	9.85	1.95	2.03

802.11n-HT40 mode

Mode	Test Result (dBm)				
	2422MHz (Ch3)	2437MHz (Ch6)	2452 MHz (Ch9)	2457MHz (Ch10)	2462MHz (Ch11)
802.11n (40MHz)	8.91	8.64	8.30	12.76	12.55

Conclusion: PASS

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 ANSI C63.10

Measurement Uncertainty:

Measurement Uncertainty	0.75dB

Measurement Results:

802.11b/g mode

Mode	Channel	Power Spectral Density (dBm/3 kHz)		Conclusion
802.11b	1	Fig.1	-6.21	P
	6	Fig.2	-6.36	P
	11	Fig.3	-6.20	P
	12	Fig.4	-8.88	P
	13	Fig.5	-14.00	P
802.11g	1	Fig.6	-12.55	P
	6	Fig.7	-13.02	P
	11	Fig.8	-13.50	P
	12	Fig.9	-25.61	P
	13	Fig.10	-26.03	P

802.11n-HT20 mode

Mode	Channel	Power Spectral Density (dBm/3 kHz)		Conclusion
802.11n (20MHz)	1	Fig.11	-12.30	P
	6	Fig.12	-14.31	P
	11	Fig.13	-14.89	P
	12	Fig.14	-26.38	P
	13	Fig.15	-25.80	P

802.11n-HT40 mode

Mode	Channel	Power Spectral Density (dBm/3 kHz)		Conclusion
802.11n (40MHz)	3	Fig.16	-19.59	P
	6	Fig.17	-18.50	P
	9	Fig.18	-19.96	P
	10	Fig.19	-18.40	P
	11	Fig.20	-17.88	P

Conclusion: PASS

Test graphs as below:

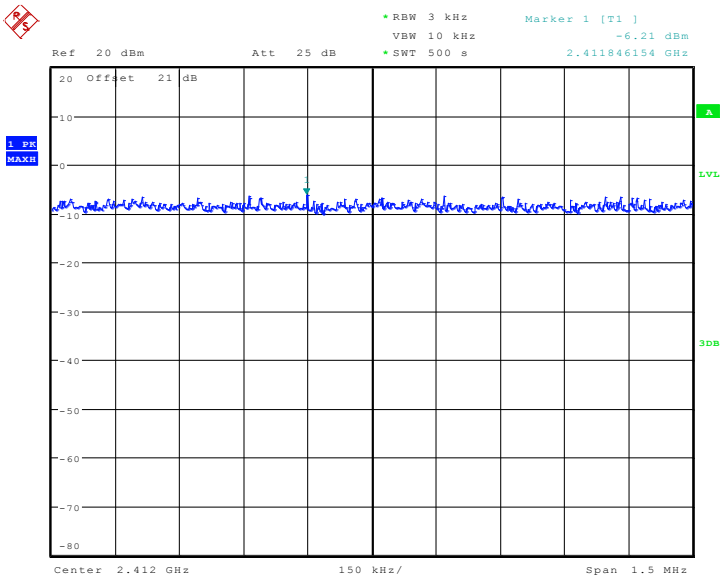


Fig. 1 Power Spectral Density (802.11b, Ch 1)

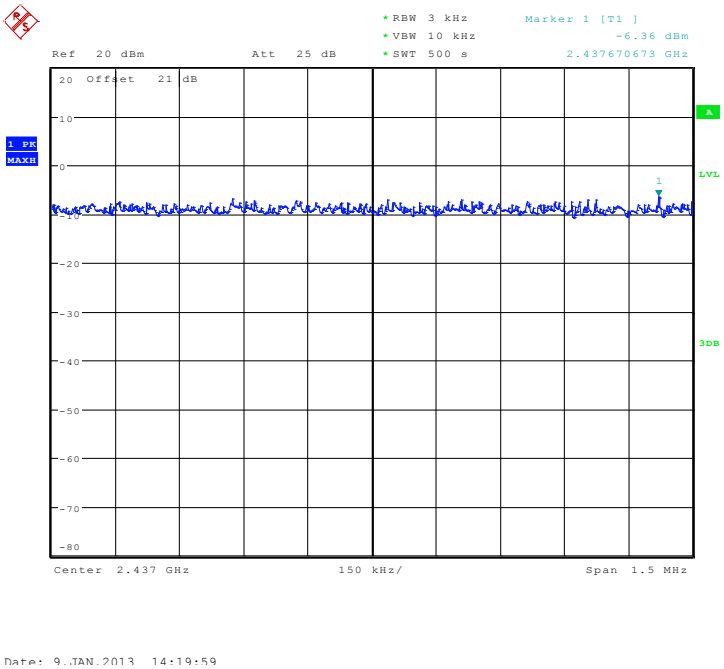


Fig. 2 Power Spectral Density (802.11b, Ch 6)

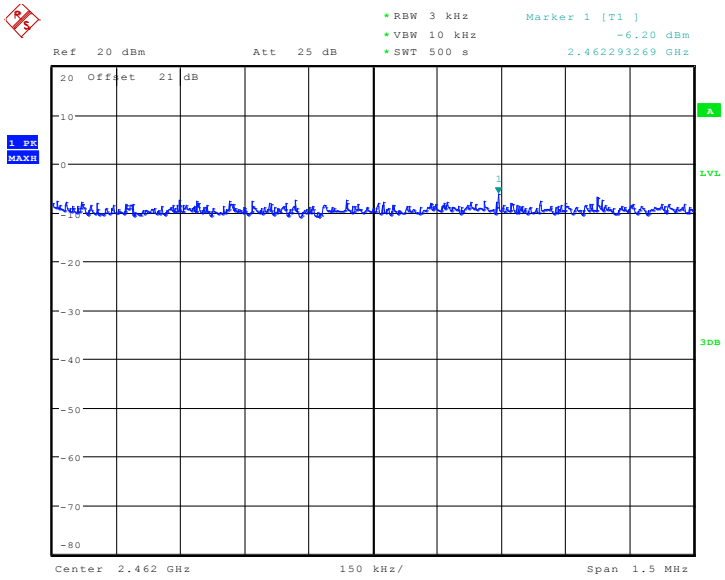


Fig. 3 Power Spectral Density (802.11b, Ch 11)

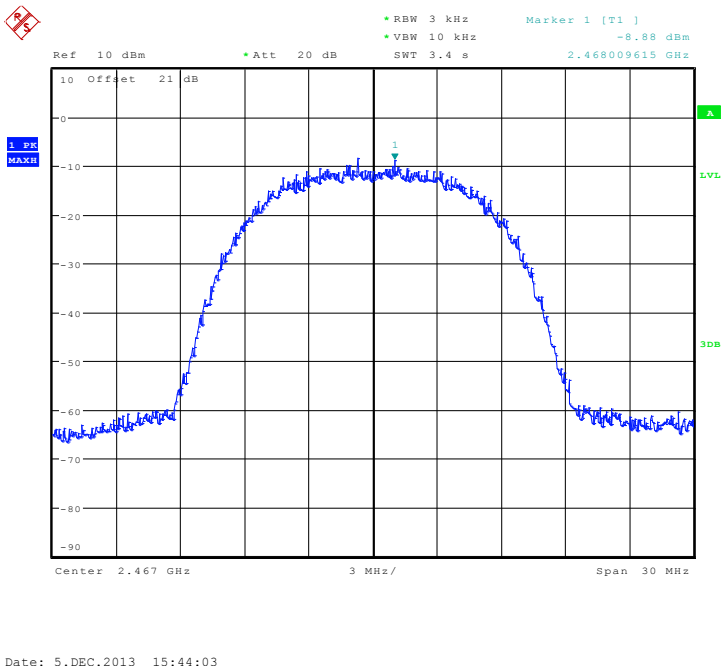


Fig. 4 Power Spectral Density (802.11b, Ch 12)

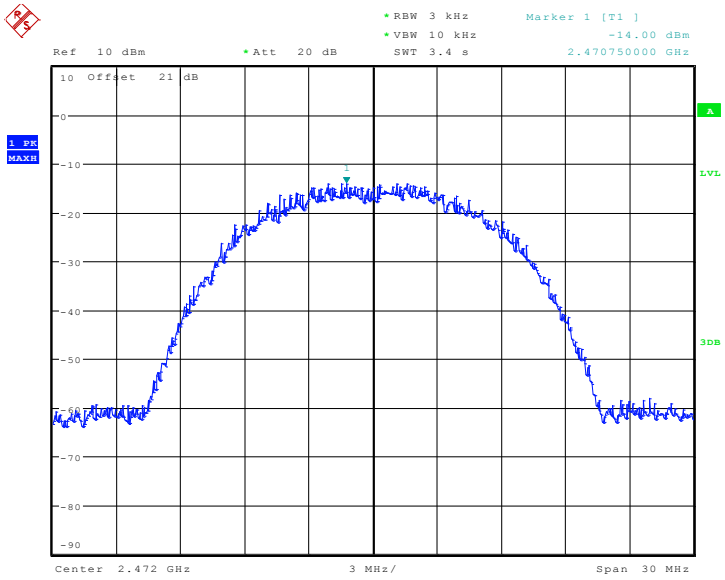


Fig. 5 Power Spectral Density (802.11b, Ch 13)

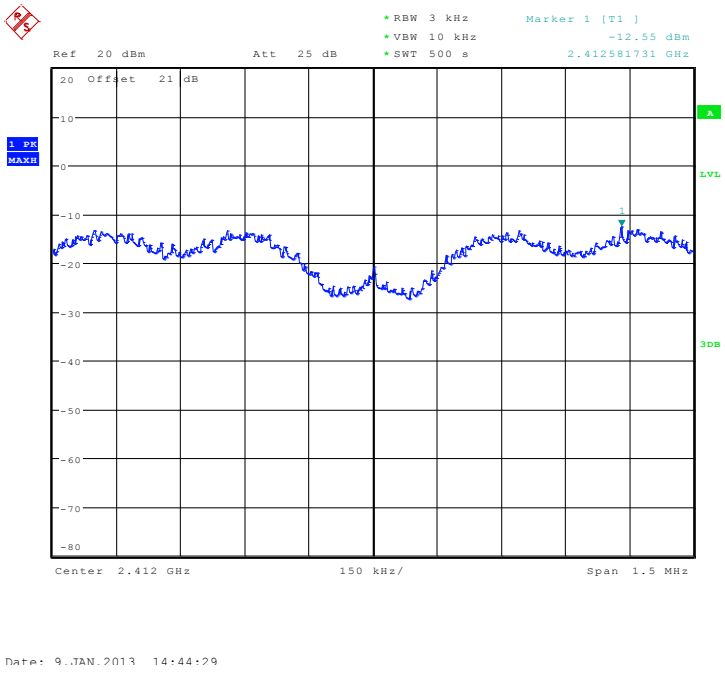


Fig. 6 Power Spectral Density (802.11g, Ch 1)

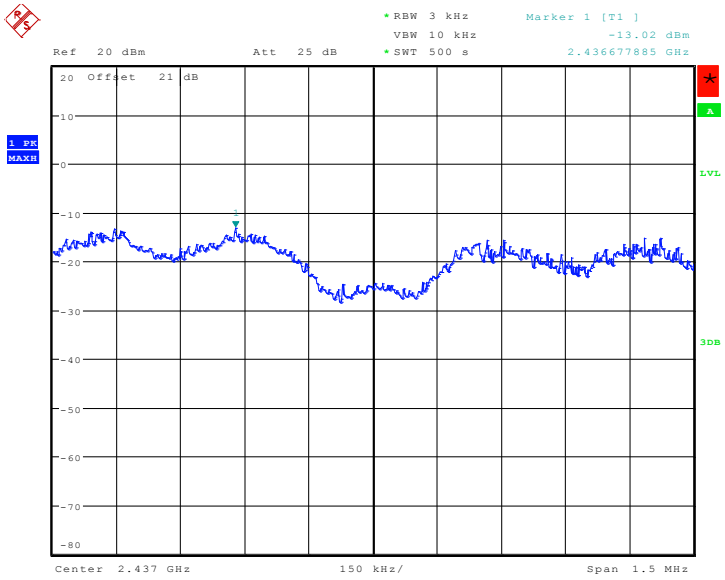


Fig. 7 Power Spectral Density (802.11g, Ch 6)

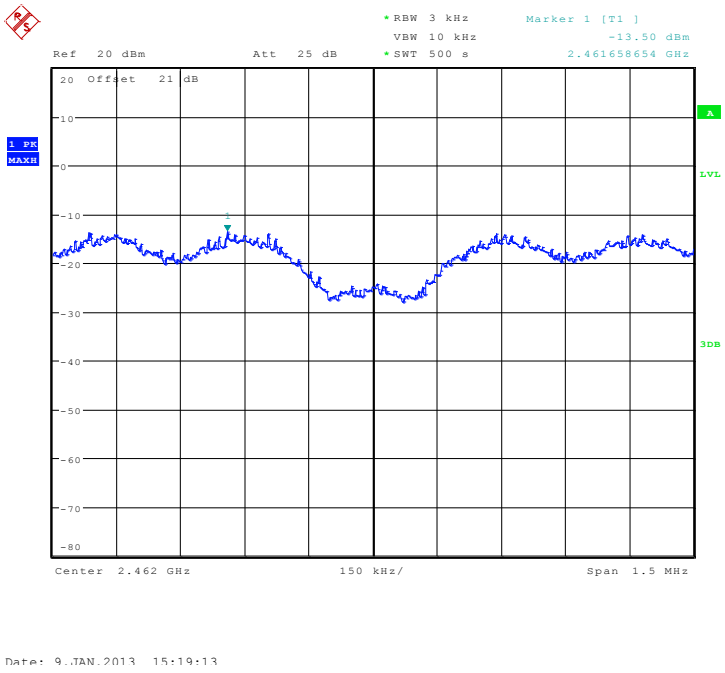


Fig. 8 Power Spectral Density (802.11g, Ch 11)

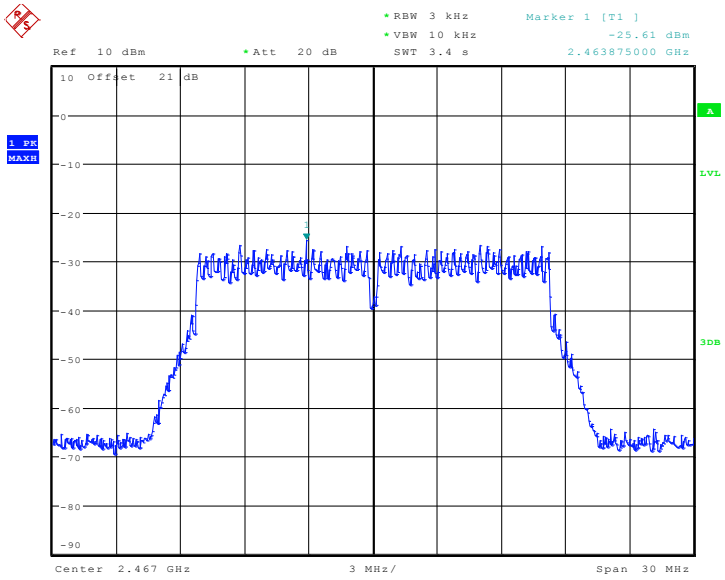


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Fig. 9 Power Spectral Density (802.11g, Ch 12)

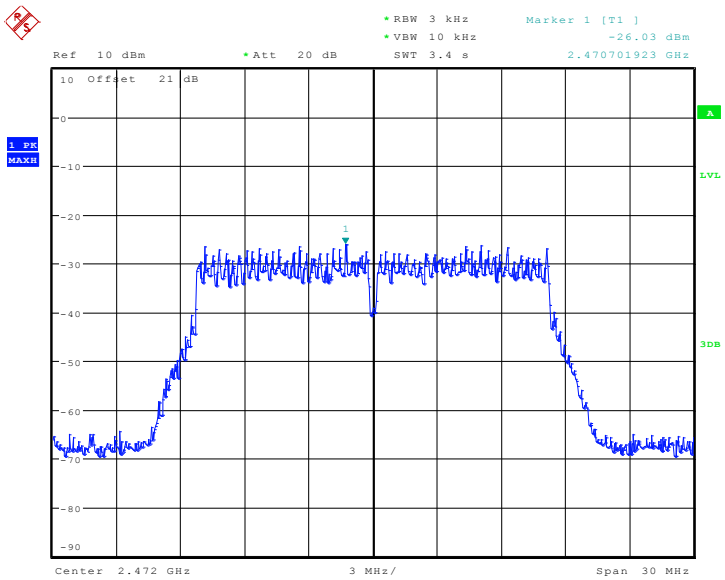

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Fig. 10 Power Spectral Density (802.11g, Ch 13)

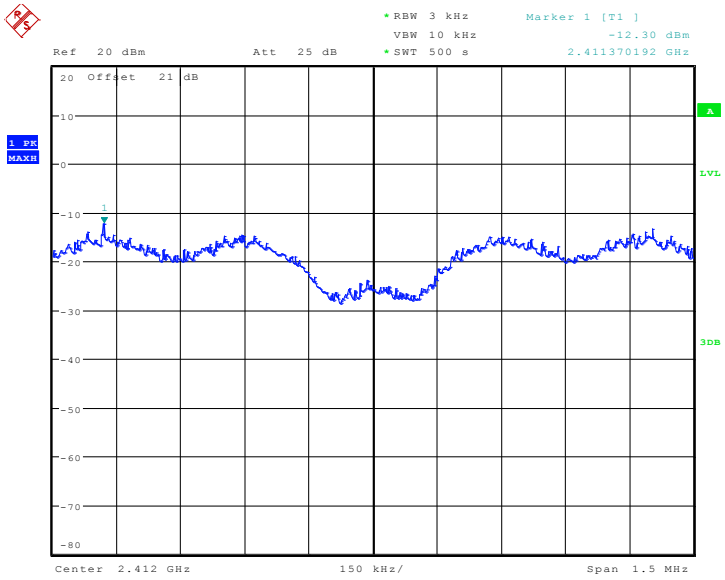

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Fig. 11 Power Spectral Density (802.11n-20MHz, Ch 1)

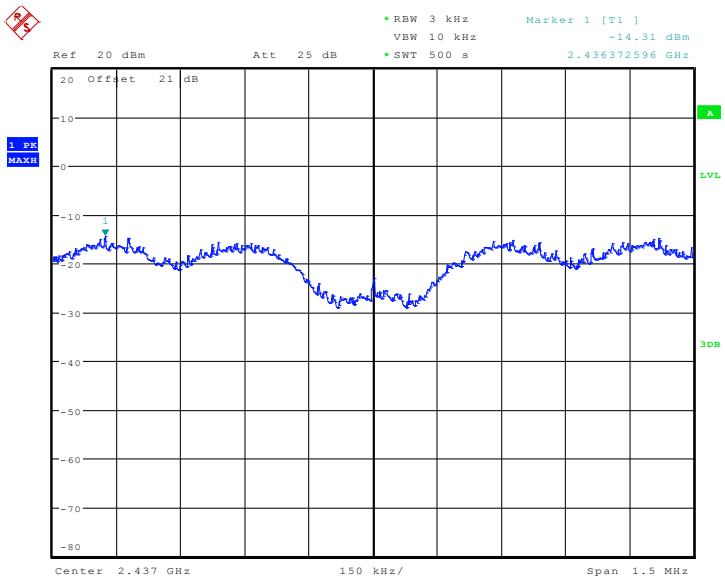

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Fig. 12 Power Spectral Density (802.11n-20MHz, Ch 6)

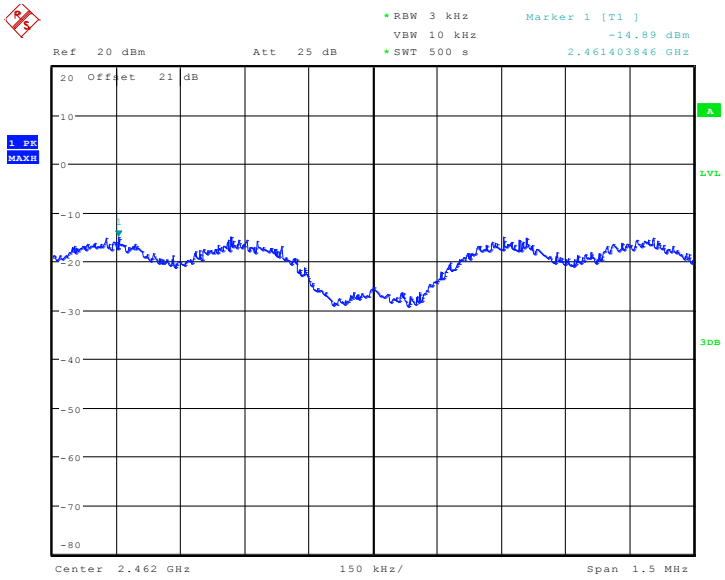


Fig. 13 Power Spectral Density (802.11n-20MHz, Ch 11)

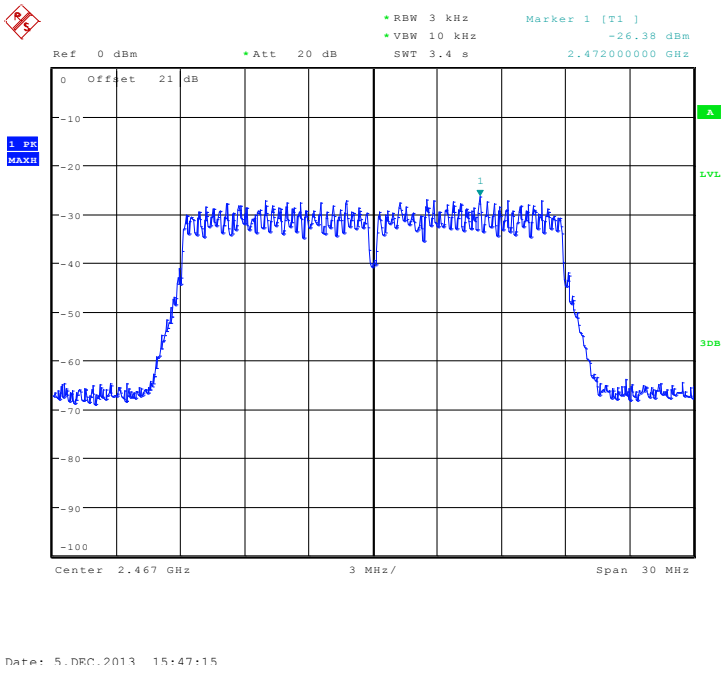


Fig. 14 Power Spectral Density (802.11n-20MHz, Ch 12)

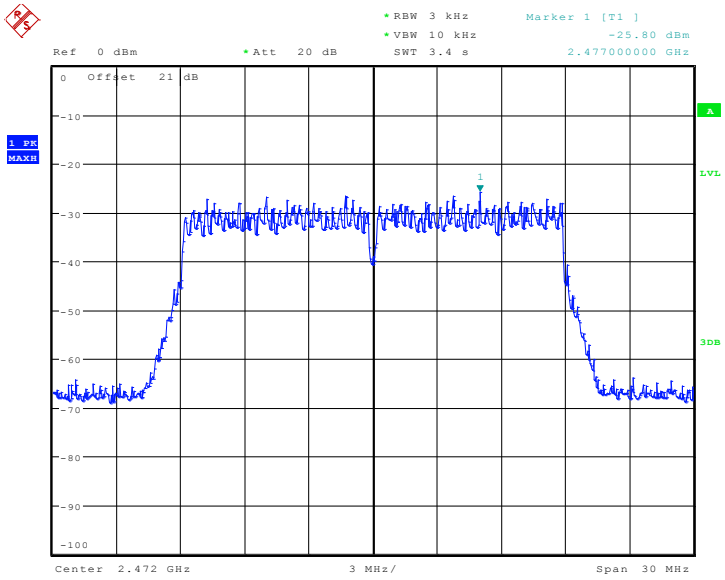


Fig. 15 Power Spectral Density (802.11n-20MHz, Ch 13)

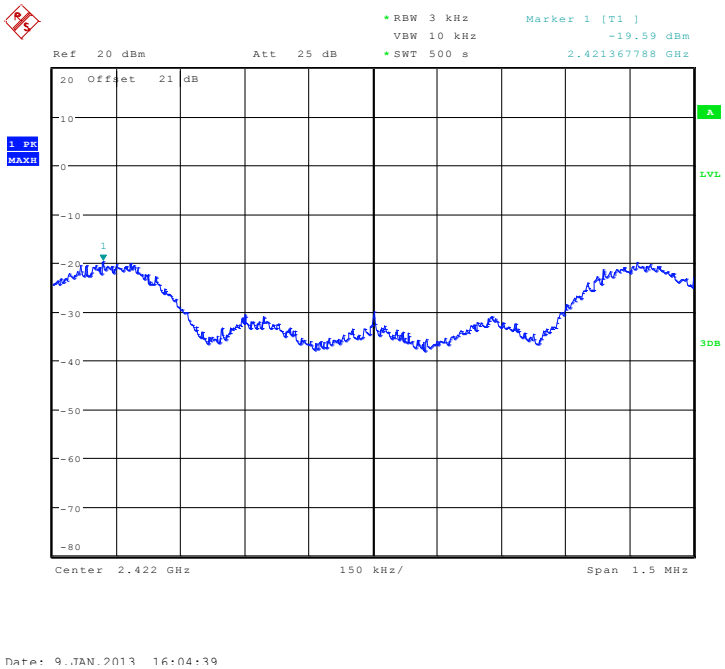


Fig. 16 Power Spectral Density (802.11n-40MHz, Ch 3)

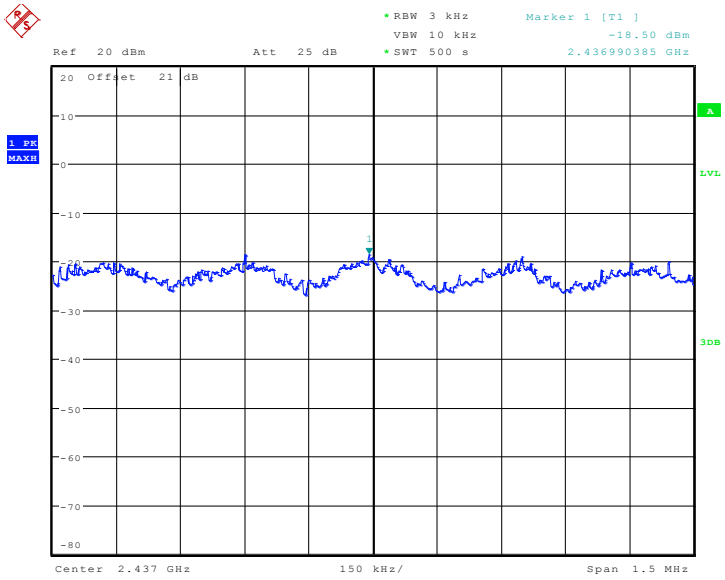


Fig. 17 Power Spectral Density (802.11n-40MHz, Ch 6)

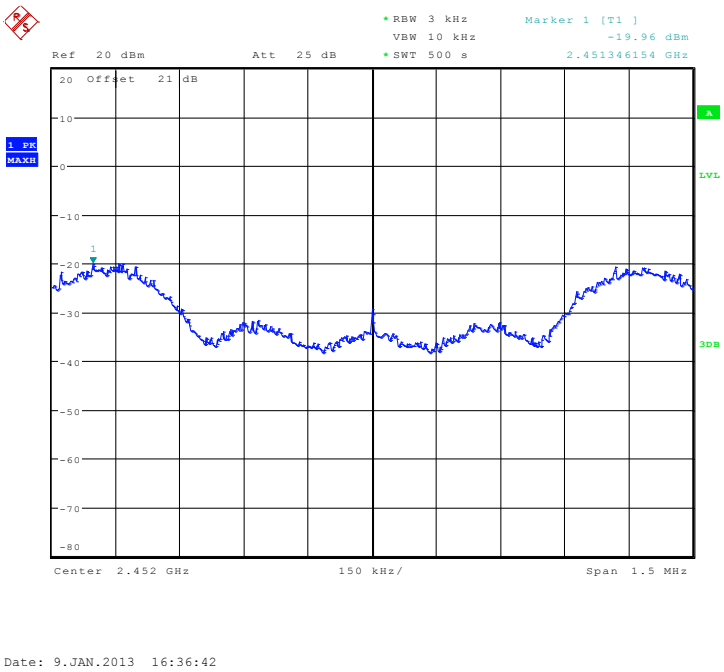


Fig. 18 Power Spectral Density (802.11n-40MHz, Ch 9)

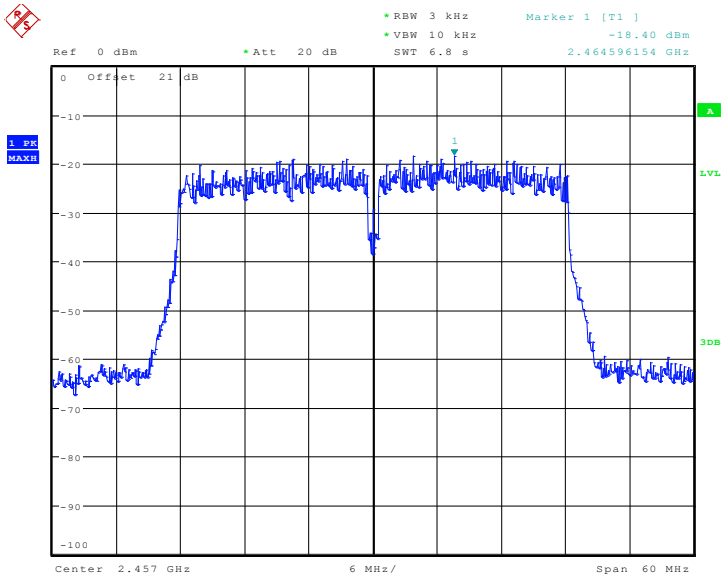


Fig. 19 Power Spectral Density (802.11n-40MHz, Ch 10)

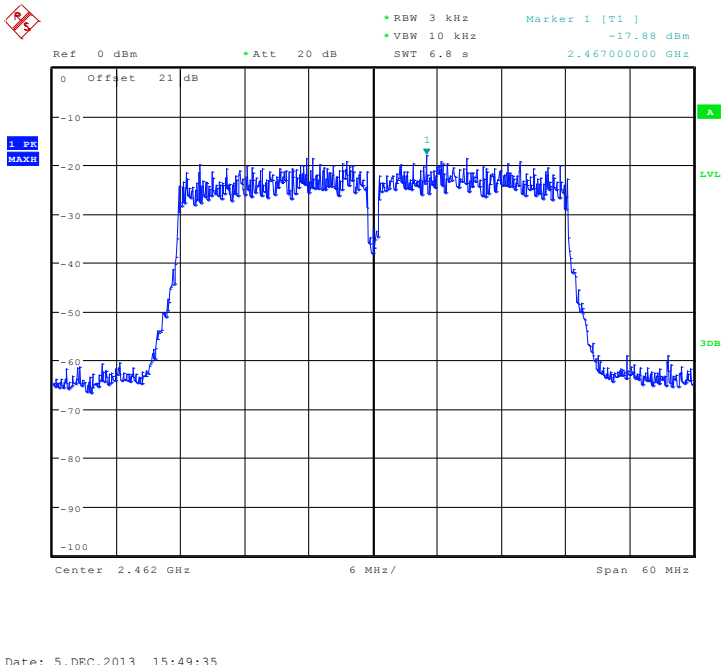


Fig. 20 Power Spectral Density (802.11n-40MHz, Ch 11)

A.4. Occupied 6dB Bandwidth

Measurement Limit:

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

The measurement is made according to ANSI C63.10

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz

Measurement Result:

802.11b/g mode

Mode	Channel	Occupied 6dB Bandwidth (kHz)		conclusion
802.11b	1	Fig.21	10385	P
	6	Fig.22	10256	P
	11	Fig.23	10513	P
	12	Fig.24	9487	P
	13	Fig.25	10385	P
802.11g	1	Fig.26	17115	P
	6	Fig.27	16923	P
	11	Fig.28	17051	P
	12	Fig.29	16539	P
	13	Fig.30	16603	P

802.11n-HT20 mode

Mode	Channel	Occupied 6dB Bandwidth (kHz)		conclusion
802.11n (20MHz)	1	Fig.31	18333	P
	6	Fig.32	18141	P
	11	Fig.33	18141	P
	12	Fig.34	17756	P
	13	Fig.35	17756	P

802.11n-HT40 mode

Mode	Channel	Occupied 6dB Bandwidth (kHz)		conclusion
802.11n (40MHz)	3	Fig.36	35769	P
	6	Fig.37	36282	P
	9	Fig.38	36154	P
	10	Fig.39	36282	P
	11	Fig.40	35897	P

Conclusion: PASS

Test graphs as below:

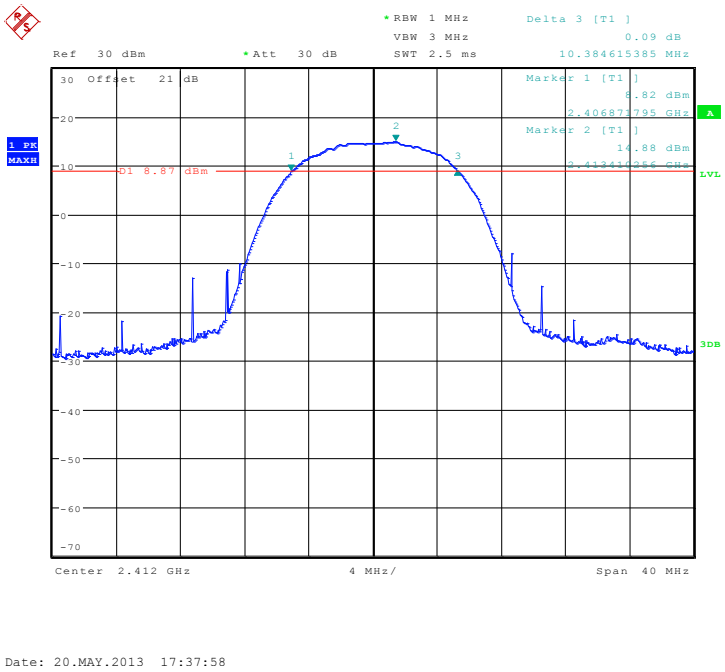


Fig. 21 Occupied 6dB Bandwidth (802.11b, Ch 1)

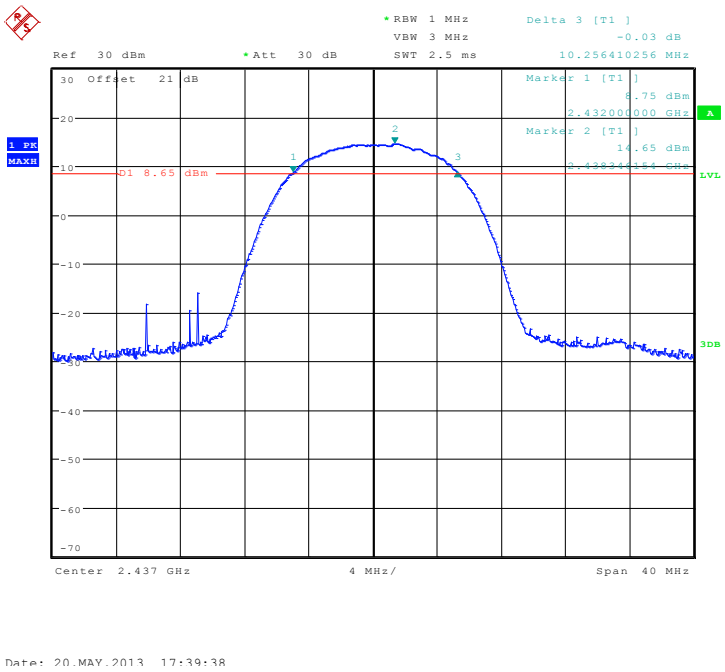


Fig. 22 Occupied 6dB Bandwidth (802.11b, Ch 6)

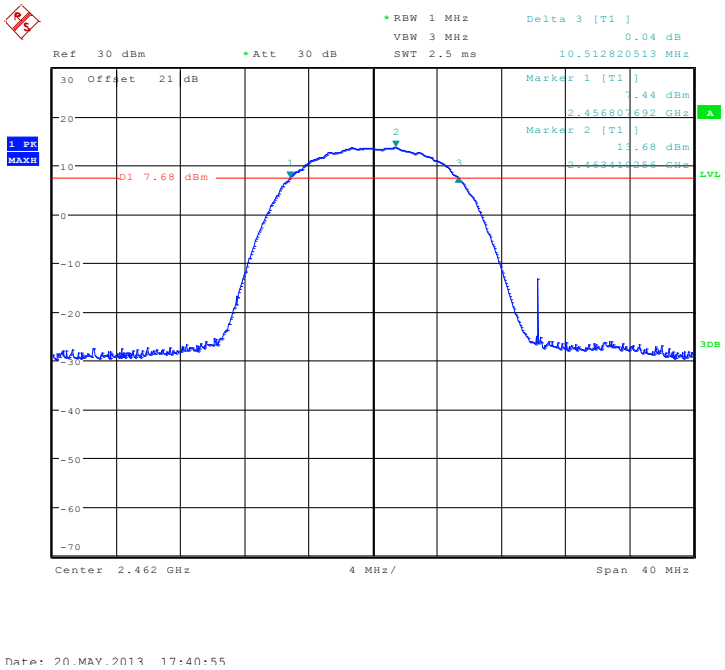


Fig. 23 Occupied 6dB Bandwidth (802.11b, Ch 11)

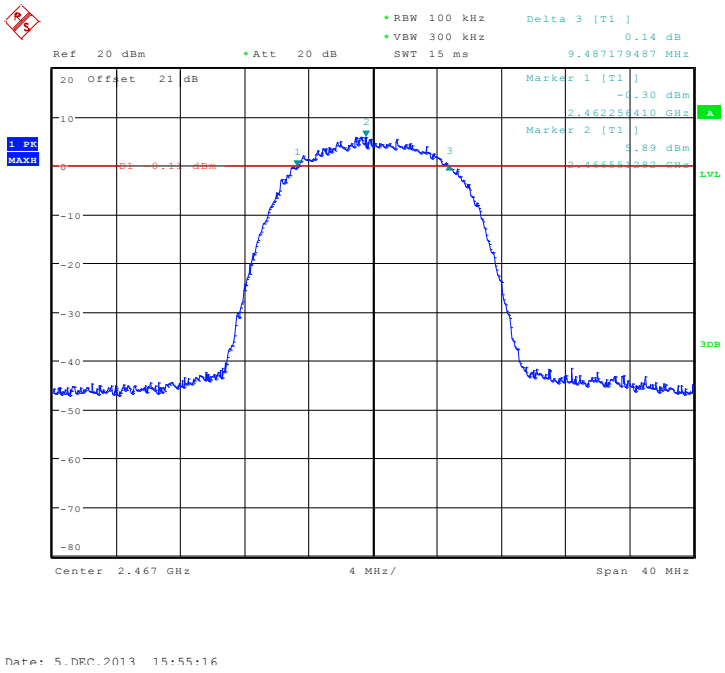


Fig. 24 Occupied 6dB Bandwidth (802.11b, Ch 12)

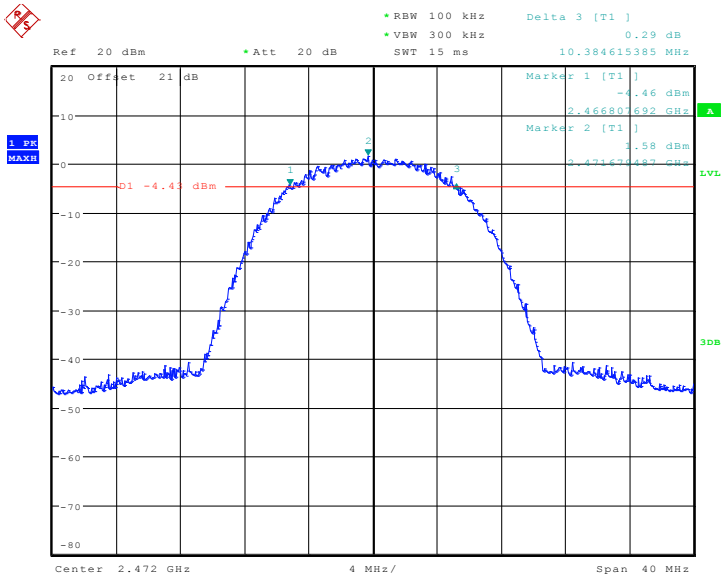


Fig. 25 Occupied 6dB Bandwidth (802.11b, Ch 13)

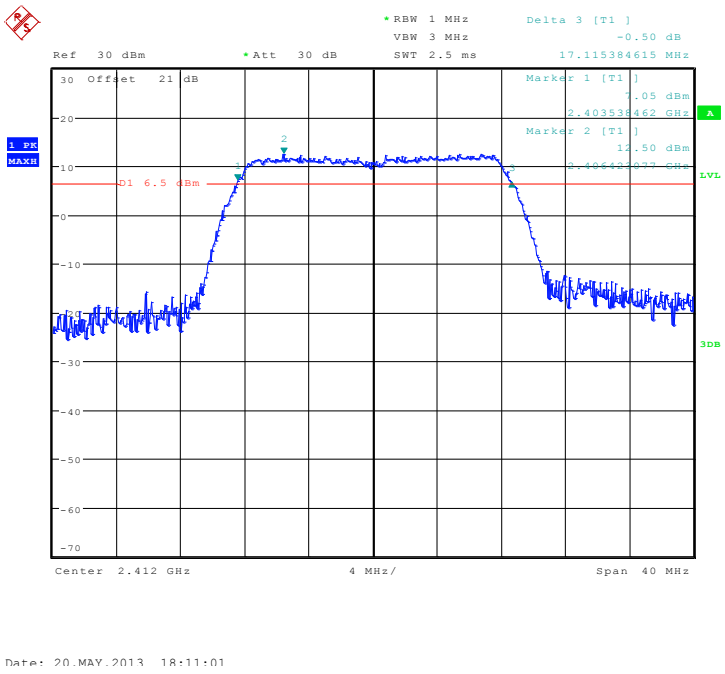
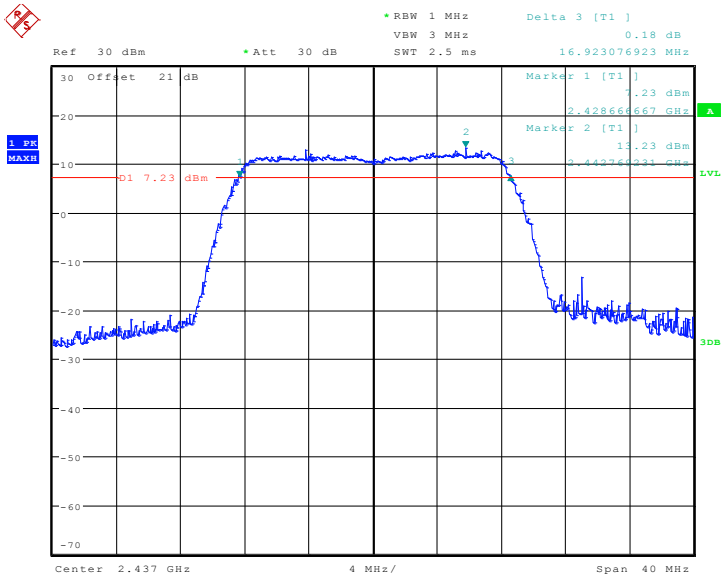
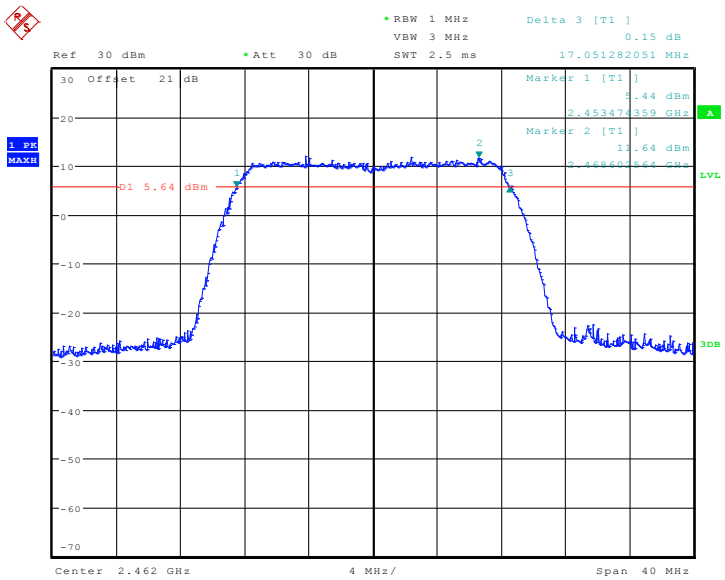


Fig. 26 Occupied 6dB Bandwidth (802.11g, Ch 1)



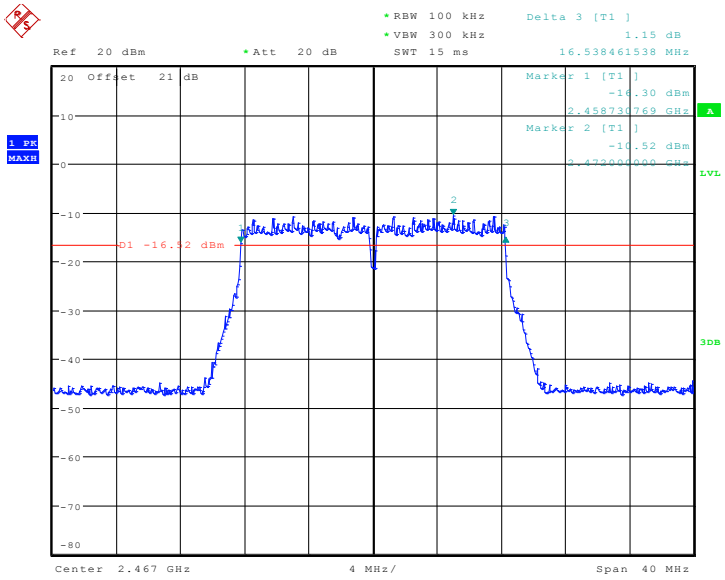
Date: 20.MAY.2013 18:08:10

Fig. 27 Occupied 6dB Bandwidth (802.11g, Ch 6)



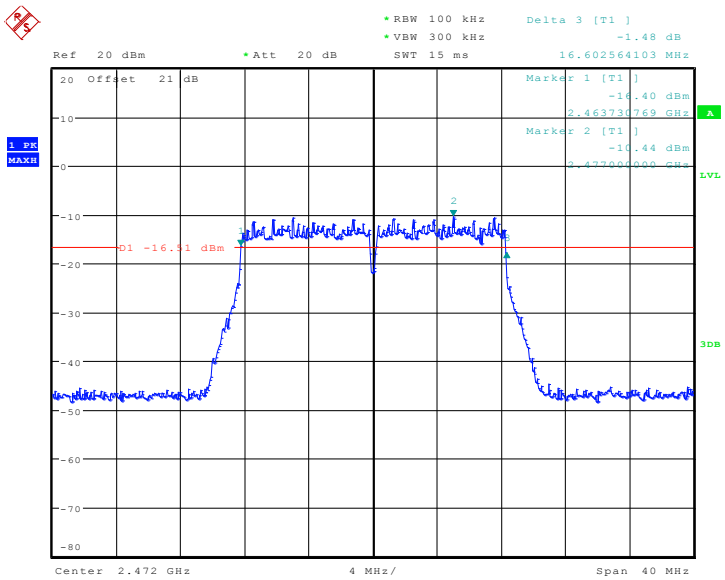
Date: 20.MAY.2013 18:09:35

Fig. 28 Occupied 6dB Bandwidth (802.11g, Ch 11)



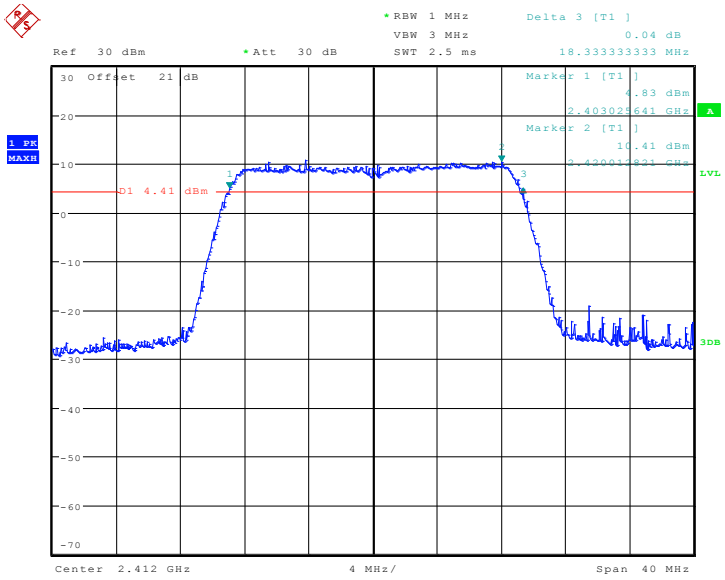
Date: 5.DEC.2013 15:59:36

Fig. 29 Occupied 6dB Bandwidth (802.11g, Ch 12)



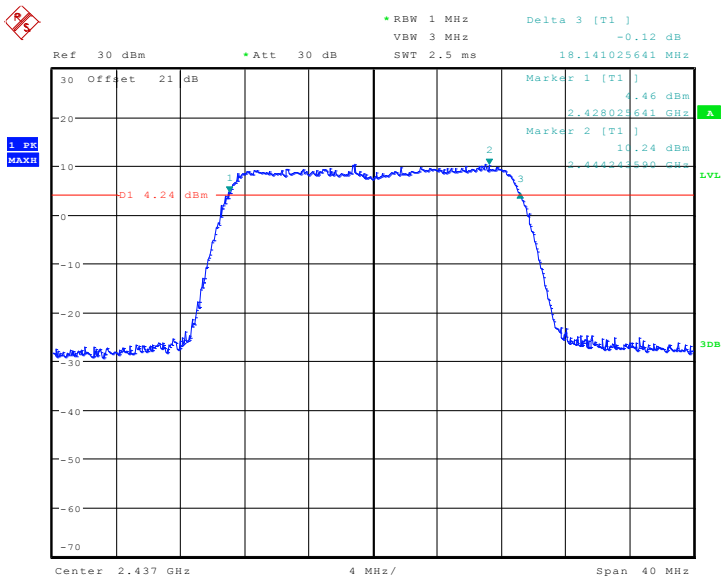
Date: 5.DEC.2013 15:57:56

Fig. 30 Occupied 6dB Bandwidth (802.11g, Ch 13)



Date: 20.MAY.2013 18:12:19

Fig. 31 Occupied 6dB Bandwidth (802.11n-20MHz, Ch 1)



Date: 20.MAY.2013 18:13:18

Fig. 32 Occupied 6dB Bandwidth (802.11n-20MHz, Ch 6)

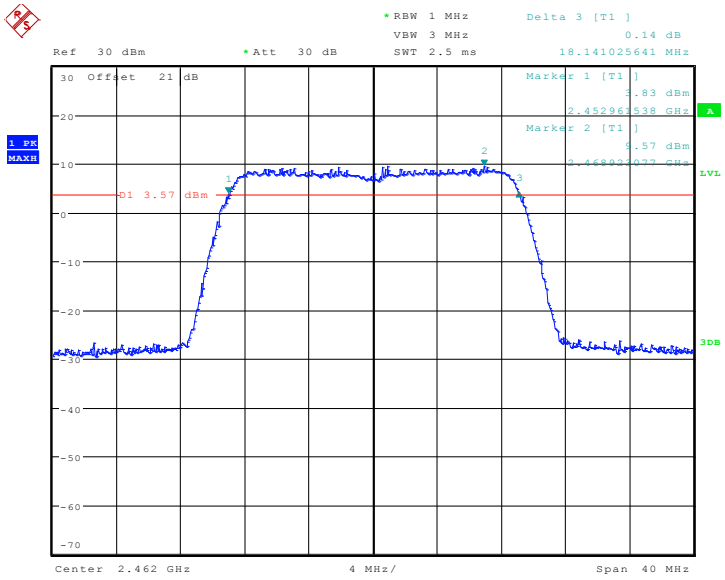


Fig. 33 Occupied 6dB Bandwidth (802.11n-20MHz, Ch 11)

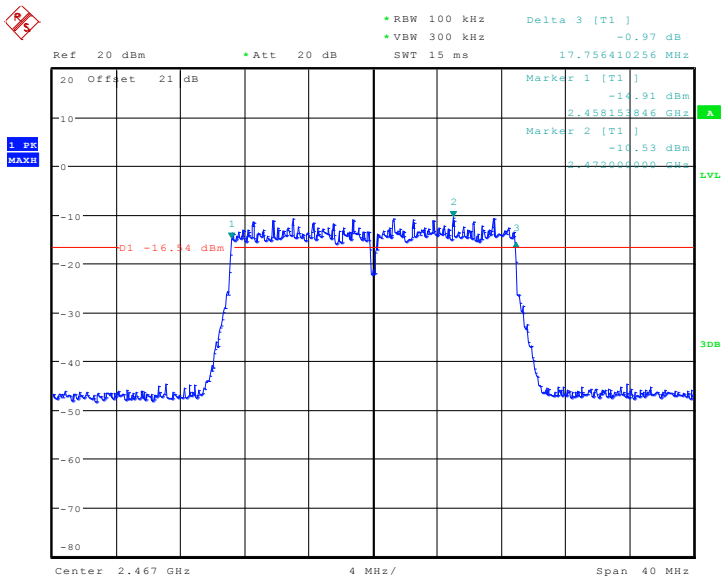


Fig. 34 Occupied 6dB Bandwidth (802.11n-20MHz, Ch 12)

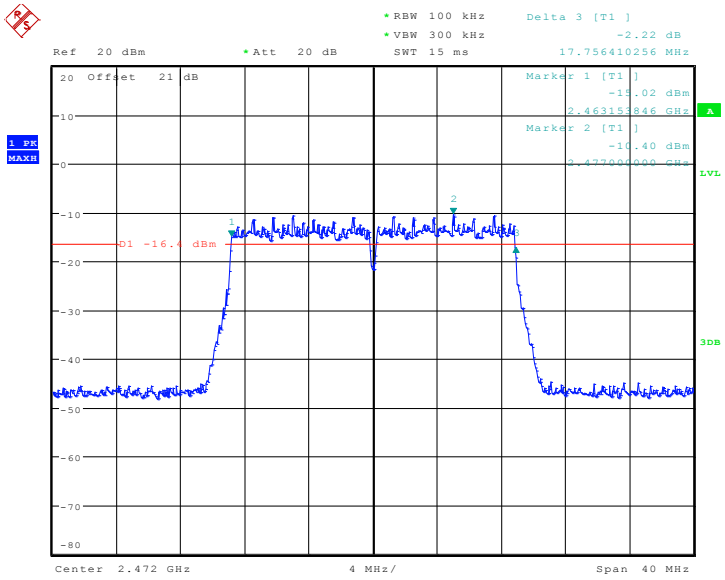


Fig. 35 Occupied 6dB Bandwidth (802.11n-20MHz, Ch 13)

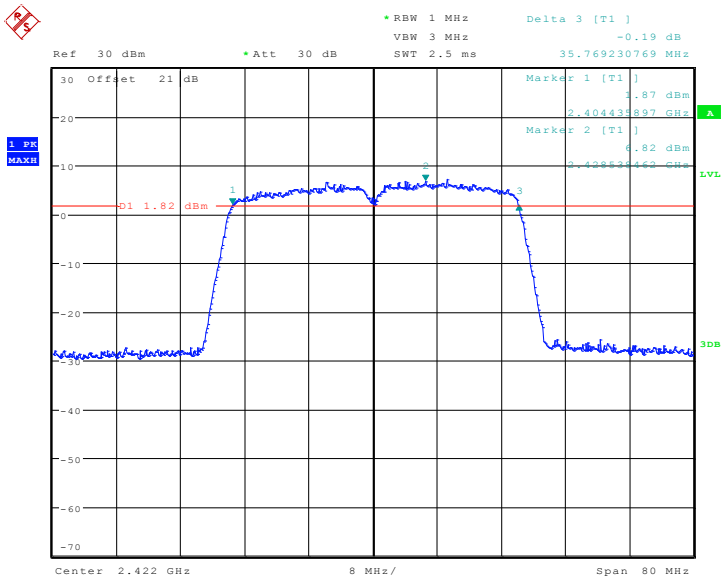
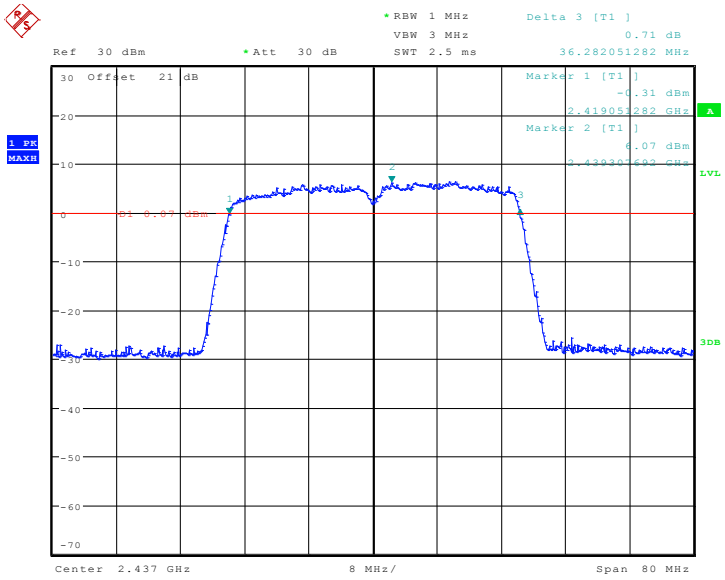
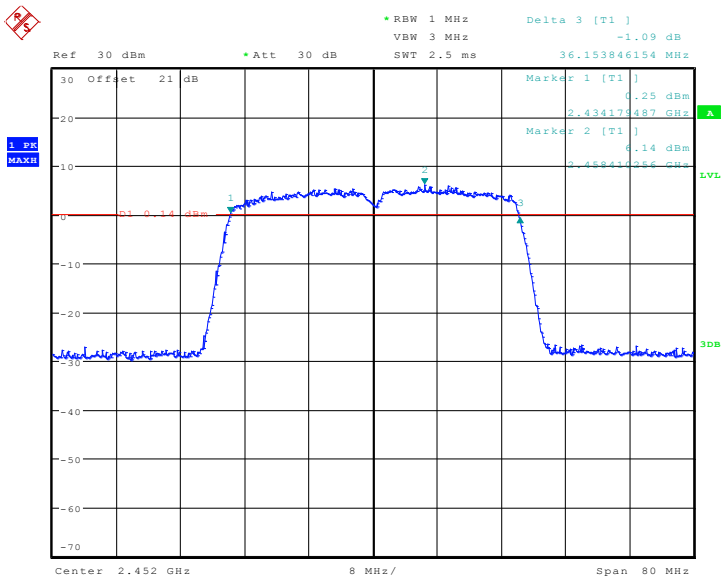


Fig. 36 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 3)



Date: 20.MAY.2013 18:18:30

Fig. 37 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 6)



Date: 20.MAY.2013 18:21:27

Fig. 38 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 9)

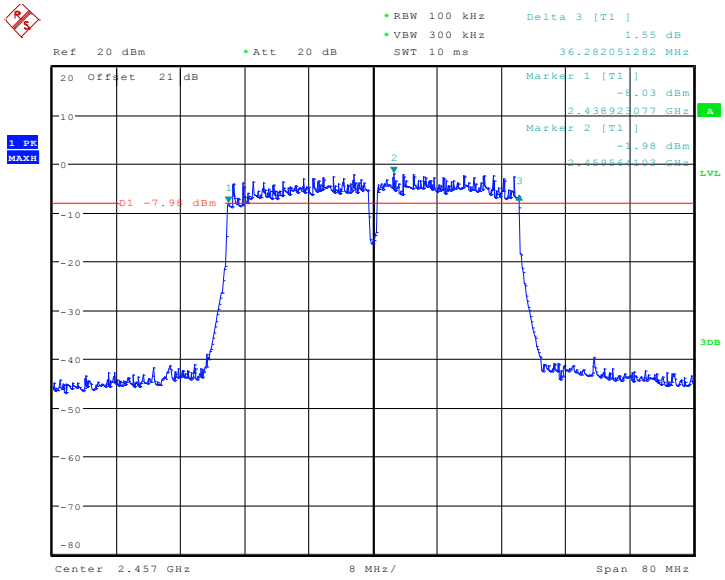


Fig. 39 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 10)

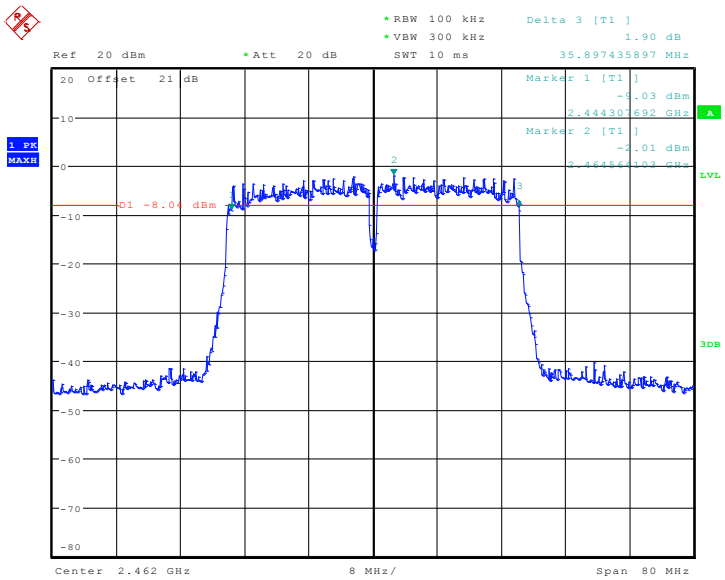


Fig. 40 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 11)

A.5. Band Edges Compliance

Measurement Limit:

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

The measurement is made according to ANSI C63.10

Measurement Uncertainty:

Measurement Uncertainty	0.75dB

Measurement Result:

802.11b/g mode

Mode	Channel	Test Results	Conclusion
802.11b	1	Fig.41	P
	11	Fig.42	P
	13	Fig.43	P
802.11g	1	Fig.44	P
	11	Fig.45	P
	13	Fig.46	P

802.11n-HT20 mode

Mode	Channel	Test Results	Conclusion
802.11n (20MHz)	1	Fig.47	P
	11	Fig.48	P
	13	Fig.49	P

802.11n-HT40 mode

Mode	Channel	Test Results	Conclusion
802.11n (40MHz)	3	Fig.50	P
	9	Fig.51	P
	11	Fig.52	P

Conclusion: PASS

Test graphs as below:

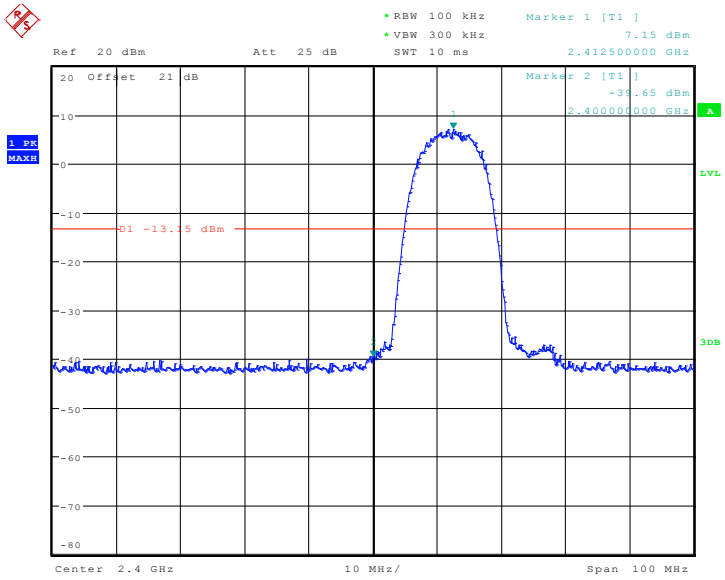


Fig. 41 Band Edges (802.11b, Ch 1)

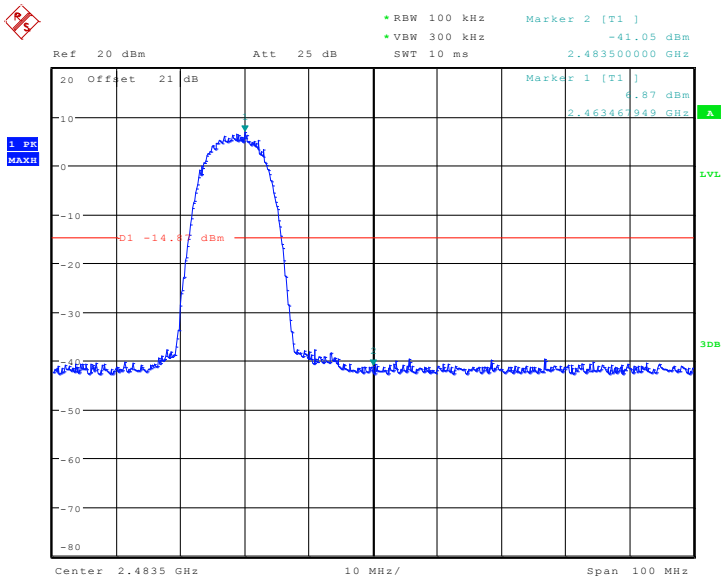
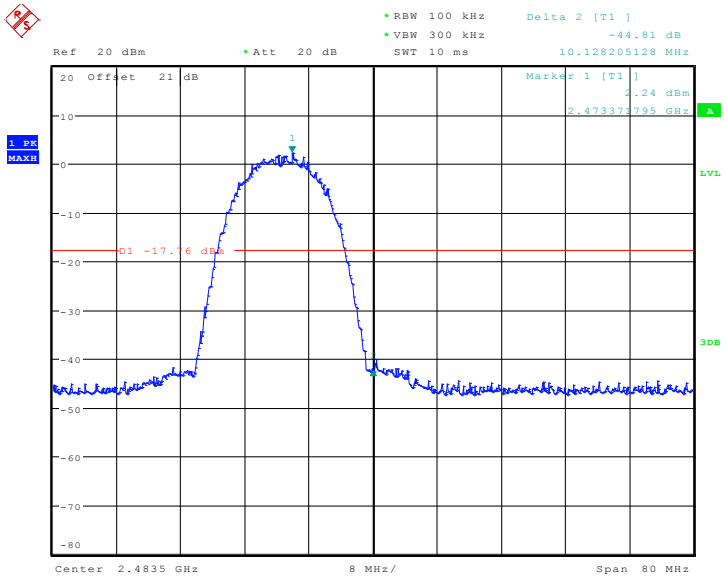
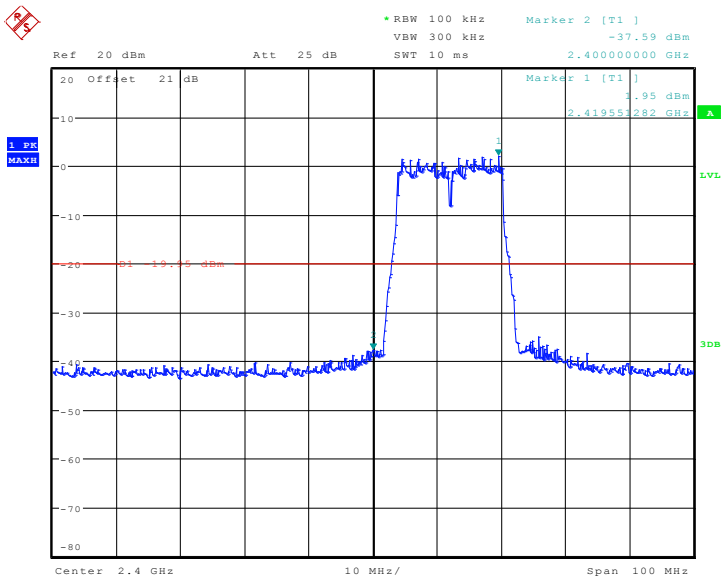


Fig. 42 Band Edges (802.11b, Ch 11)



Date: 5.DEC.2013 16:03:33

Fig. 43 Band Edges (802.11b, Ch 13)



Date: 10.JAN.2013 09:04:21

Fig. 44 Band Edges (802.11g, Ch 1)

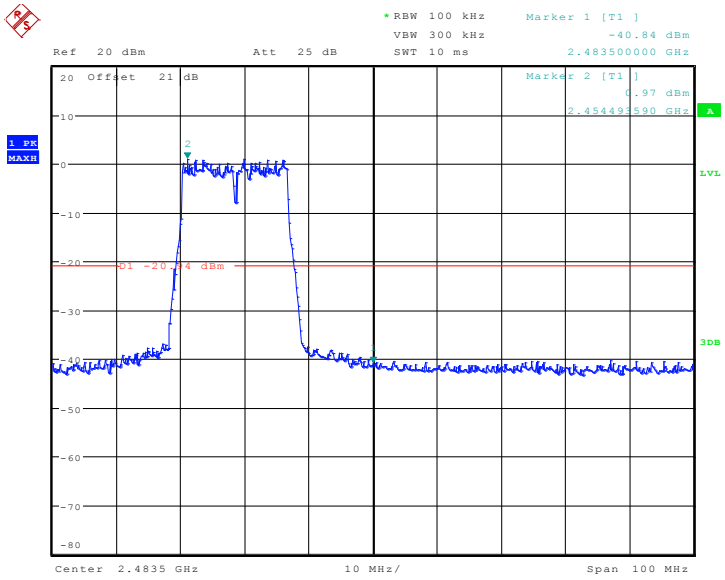


Fig. 45 Band Edges (802.11g, Ch 11)

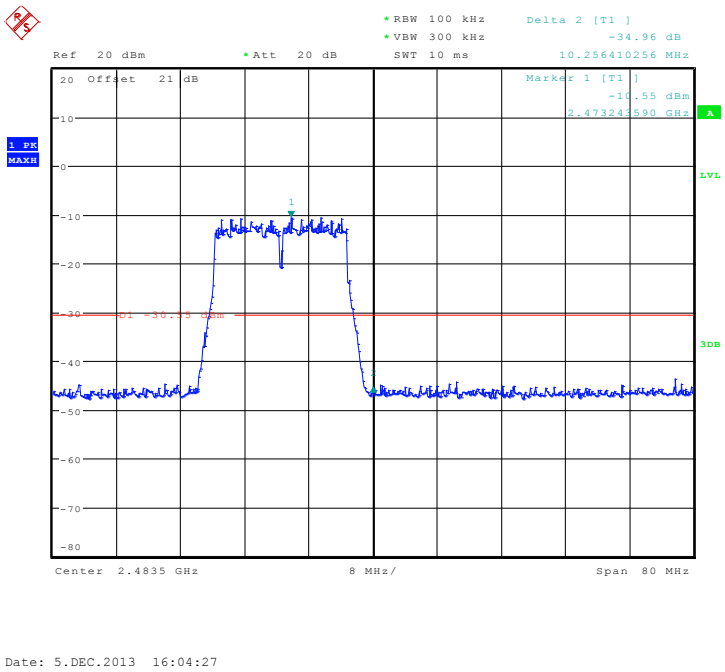


Fig. 46 Band Edges (802.11g, Ch 13)

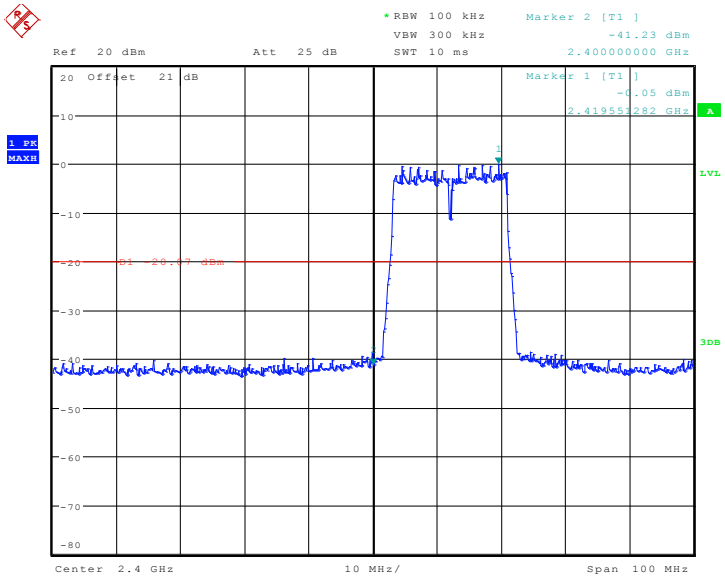


Fig. 47 Band Edges (802.11n-20MHz, Ch 1)

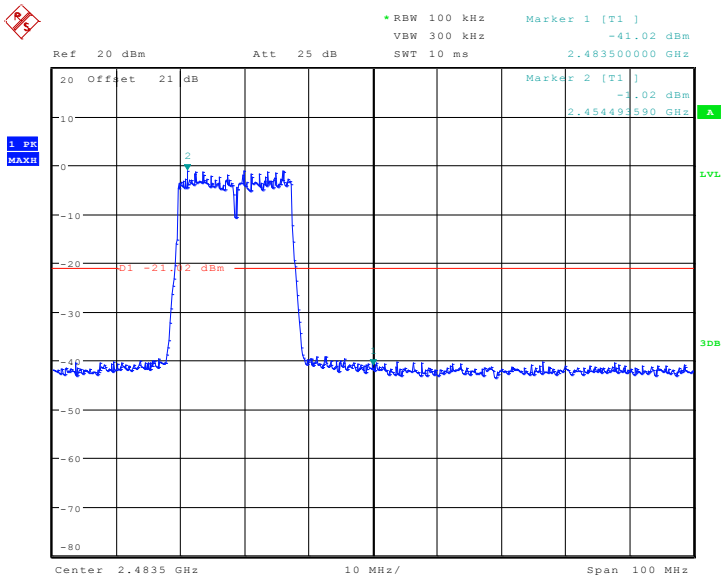


Fig. 48 Band Edges (802.11n-20MHz, Ch 11)

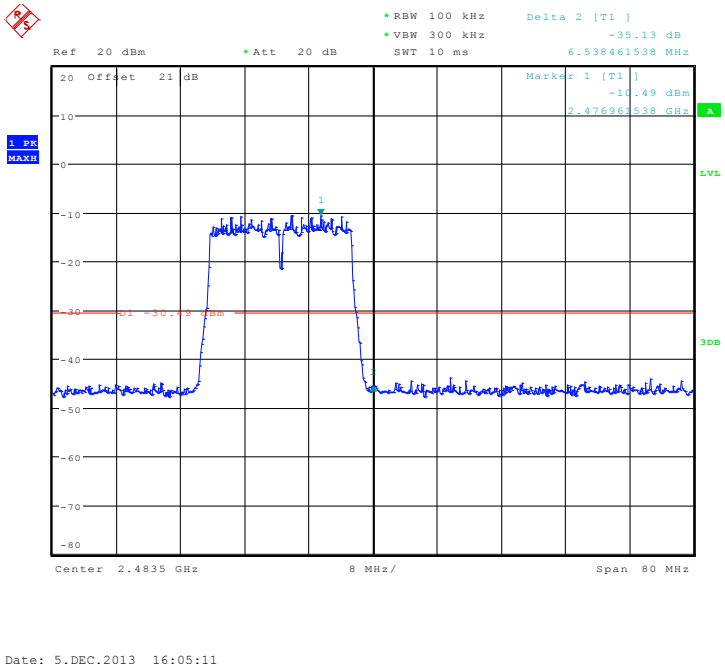


Fig. 49 Band Edges (802.11n-20MHz, Ch 13)

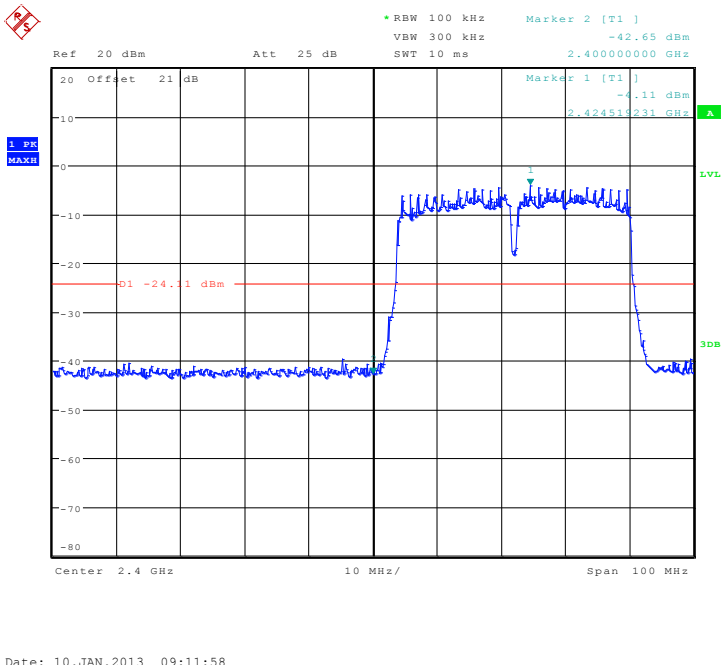


Fig. 50 Band Edges (802.11n-40MHz, Ch 3)

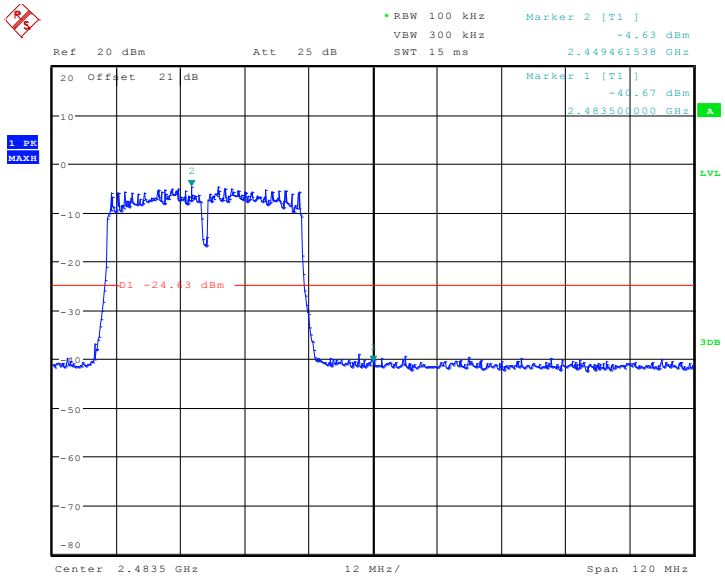


Fig. 51 Band Edges (802.11n-40MHz, Ch 9)

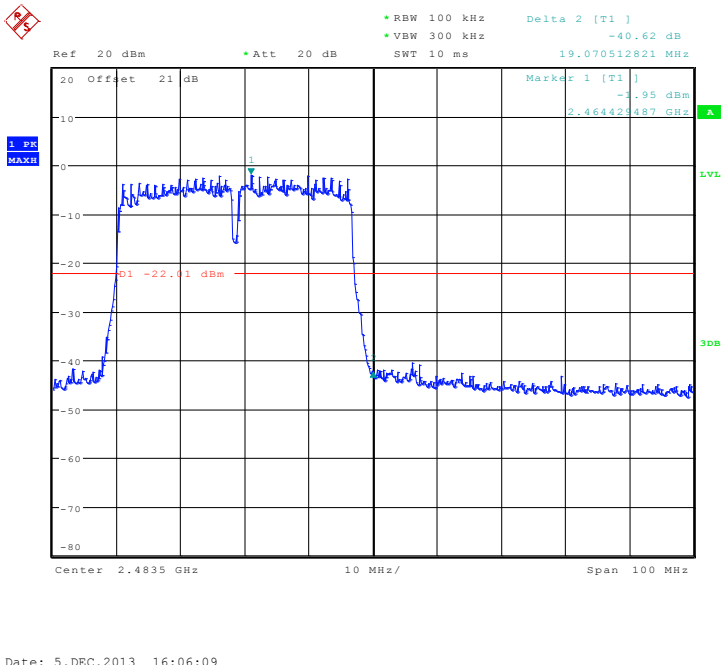


Fig. 52 Band Edges (802.11n-40MHz, Ch 11)

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 ANSI C63.10

Measurement Uncertainty:

Frequency Range	Uncertainty
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

Measurement Results:

802.11b mode

MODE	Channel	Frequency Range	Test Results	Conclusion
802.11b	1	2.412 GHz	Fig.53	P
		30 MHz ~ 1 GHz	Fig.54	P
		1 GHz ~ 2.5 GHz	Fig.55	P
		2.5 GHz ~ 7.5 GHz	Fig.56	P
		7.5 GHz ~ 10 GHz	Fig.57	P
		10 GHz ~ 15 GHz	Fig.58	P
		15 GHz ~ 20 GHz	Fig.59	P
		20 GHz ~ 26 GHz	Fig.60	P
	6	2.437 GHz	Fig.61	P
		30 MHz ~ 1 GHz	Fig.62	P
		1 GHz ~ 2.5 GHz	Fig.63	P
		2.5 GHz ~ 7.5 GHz	Fig.64	P
		7.5 GHz ~ 10 GHz	Fig.65	P
		10 GHz ~ 15 GHz	Fig.66	P
		15 GHz ~ 20 GHz	Fig.67	P
		20 GHz ~ 26 GHz	Fig.68	P
	11	2.462 GHz	Fig.69	P
		30 MHz ~ 1 GHz	Fig.70	P
		1 GHz ~ 2.5 GHz	Fig.71	P
		2.5 GHz ~ 7.5 GHz	Fig.72	P
		7.5 GHz ~ 10 GHz	Fig.73	P
		10 GHz ~ 15 GHz	Fig.74	P
		15 GHz ~ 20 GHz	Fig.75	P
		20 GHz ~ 26 GHz	Fig.76	P
	12	2.467 GHz	Fig.77	P
		30 MHz ~ 1 GHz	Fig.78	P
		1 GHz ~ 2.5 GHz	Fig.79	P
		2.5 GHz ~ 7.5 GHz	Fig.80	P
		7.5 GHz ~ 10 GHz	Fig.81	P
		10 GHz ~ 15 GHz	Fig.82	P
		15 GHz ~ 20 GHz	Fig.83	P
		20 GHz ~ 26 GHz	Fig.84	P
	13	2.472 GHz	Fig.85	P
		30 MHz ~ 1 GHz	Fig.86	P
		1 GHz ~ 2.5 GHz	Fig.87	P
		2.5 GHz ~ 7.5 GHz	Fig.88	P
		7.5 GHz ~ 10 GHz	Fig.89	P
		10 GHz ~ 15 GHz	Fig.90	P
		15 GHz ~ 20 GHz	Fig.91	P
		20 GHz ~ 26 GHz	Fig.92	P

802.11g mode

MODE	Channel	Frequency Range	Test Results	Conclusion
802.11g	1	2.412 GHz	Fig.93	P
		30 MHz ~ 1 GHz	Fig.94	P
		1 GHz ~ 2.5 GHz	Fig.95	P
		2.5 GHz ~ 7.5 GHz	Fig.96	P
		7.5 GHz ~ 10 GHz	Fig.97	P
		10 GHz ~ 15 GHz	Fig.98	P
		15 GHz ~ 20 GHz	Fig.99	P
		20 GHz ~ 26 GHz	Fig.100	P
	6	2.437 GHz	Fig.101	P
		30 MHz ~ 1 GHz	Fig.102	P
		1 GHz ~ 2.5 GHz	Fig.103	P
		2.5 GHz ~ 7.5 GHz	Fig.104	P
		7.5 GHz ~ 10 GHz	Fig.105	P
		10 GHz ~ 15 GHz	Fig.106	P
		15 GHz ~ 20 GHz	Fig.107	P
		20 GHz ~ 26 GHz	Fig.108	P
	11	2.462 GHz	Fig.109	P
		30 MHz ~ 1 GHz	Fig.110	P
		1 GHz ~ 2.5 GHz	Fig.111	P
		2.5 GHz ~ 7.5 GHz	Fig.112	P
		7.5 GHz ~ 10 GHz	Fig.113	P
		10 GHz ~ 15 GHz	Fig.114	P
		15 GHz ~ 20 GHz	Fig.115	P
		20 GHz ~ 26 GHz	Fig.116	P
	12	2.467 GHz	Fig.117	P
		30 MHz ~ 1 GHz	Fig.118	P
		1 GHz ~ 2.5 GHz	Fig.119	P
		2.5 GHz ~ 7.5 GHz	Fig.120	P
		7.5 GHz ~ 10 GHz	Fig.121	P
		10 GHz ~ 15 GHz	Fig.122	P
		15 GHz ~ 20 GHz	Fig.123	P
		20 GHz ~ 26 GHz	Fig.124	P
	13	2.472 GHz	Fig.125	P
		30 MHz ~ 1 GHz	Fig.126	P
		1 GHz ~ 2.5 GHz	Fig.127	P
		2.5 GHz ~ 7.5 GHz	Fig.128	P
		7.5 GHz ~ 10 GHz	Fig.129	P
		10 GHz ~ 15 GHz	Fig.130	P
		15 GHz ~ 20 GHz	Fig.131	P
		20 GHz ~ 26 GHz	Fig.132	P

802.11n-HT20 mode

MODE	Channel	Frequency Range	Test Results	Conclusion
802.11n (20MHz)	1	2.412 GHz	Fig.133	P
		30 MHz ~ 1 GHz	Fig.134	P
		1 GHz ~ 2.5 GHz	Fig.135	P
		2.5 GHz ~ 7.5 GHz	Fig.136	P
		7.5 GHz ~ 10 GHz	Fig.137	P
		10 GHz ~ 15 GHz	Fig.138	P
		15 GHz ~ 20 GHz	Fig.139	P
		20 GHz ~ 26 GHz	Fig.140	P
	6	2.437 GHz	Fig.141	P
		30 MHz ~ 1 GHz	Fig.142	P
		1 GHz ~ 2.5 GHz	Fig.143	P
		2.5 GHz ~ 7.5 GHz	Fig.144	P
		7.5 GHz ~ 10 GHz	Fig.145	P
		10 GHz ~ 15 GHz	Fig.146	P
		15 GHz ~ 20 GHz	Fig.147	P
		20 GHz ~ 26 GHz	Fig.148	P
	11	2.462 GHz	Fig.149	P
		30 MHz ~ 1 GHz	Fig.150	P
		1 GHz ~ 2.5 GHz	Fig.151	P
		2.5 GHz ~ 7.5 GHz	Fig.152	P
		7.5 GHz ~ 10 GHz	Fig.153	P
		10 GHz ~ 15 GHz	Fig.154	P
		15 GHz ~ 20 GHz	Fig.155	P
		20 GHz ~ 26 GHz	Fig.156	P
	12	2.467 GHz	Fig.157	P
		30 MHz ~ 1 GHz	Fig.158	P
		1 GHz ~ 2.5 GHz	Fig.159	P
		2.5 GHz ~ 7.5 GHz	Fig.160	P
		7.5 GHz ~ 10 GHz	Fig.161	P
		10 GHz ~ 15 GHz	Fig.162	P
		15 GHz ~ 20 GHz	Fig.163	P
		20 GHz ~ 26 GHz	Fig.164	P
	13	2.472 GHz	Fig.165	P
		30 MHz ~ 1 GHz	Fig.166	P
		1 GHz ~ 2.5 GHz	Fig.167	P
		2.5 GHz ~ 7.5 GHz	Fig.168	P
		7.5 GHz ~ 10 GHz	Fig.169	P
		10 GHz ~ 15 GHz	Fig.170	P
		15 GHz ~ 20 GHz	Fig.171	P
		20 GHz ~ 26 GHz	Fig.172	P

802.11n-HT40 mode

MODE	Channel	Frequency Range	Test Results	Conclusion
802.11n (40MHz)	3	2.422 GHz	Fig.173	P
		30 MHz ~ 1 GHz	Fig.174	P
		1 GHz ~ 2.5 GHz	Fig.175	P
		2.5 GHz ~ 7.5 GHz	Fig.176	P
		7.5 GHz ~ 10 GHz	Fig.177	P
		10 GHz ~ 15 GHz	Fig.178	P
		15 GHz ~ 20 GHz	Fig.179	P
		20 GHz ~ 26 GHz	Fig.180	P
	6	2.437 GHz	Fig.181	P
		30 MHz ~ 1 GHz	Fig.182	P
		1 GHz ~ 2.5 GHz	Fig.183	P
		2.5 GHz ~ 7.5 GHz	Fig.184	P
		7.5 GHz ~ 10 GHz	Fig.185	P
		10 GHz ~ 15 GHz	Fig.186	P
		15 GHz ~ 20 GHz	Fig.187	P
		20 GHz ~ 26 GHz	Fig.188	P
	9	2.452 GHz	Fig.189	P
		30 MHz ~ 1 GHz	Fig.190	P
		1 GHz ~ 2.5 GHz	Fig.191	P
		2.5 GHz ~ 7.5 GHz	Fig.192	P
		7.5 GHz ~ 10 GHz	Fig.193	P
		10 GHz ~ 15 GHz	Fig.194	P
		15 GHz ~ 20 GHz	Fig.195	P
		20 GHz ~ 26 GHz	Fig.196	P
	10	2.457 GHz	Fig.197	P
		30 MHz ~ 1 GHz	Fig.198	P
		1 GHz ~ 2.5 GHz	Fig.199	P
		2.5 GHz ~ 7.5 GHz	Fig.200	P
		7.5 GHz ~ 10 GHz	Fig.201	P
		10 GHz ~ 15 GHz	Fig.202	P
		15 GHz ~ 20 GHz	Fig.203	P
		20 GHz ~ 26 GHz	Fig.204	P
	11	2.462 GHz	Fig.205	P
		30 MHz ~ 1 GHz	Fig.206	P
		1 GHz ~ 2.5 GHz	Fig.207	P
		2.5 GHz ~ 7.5 GHz	Fig.208	P
		7.5 GHz ~ 10 GHz	Fig.209	P
		10 GHz ~ 15 GHz	Fig.210	P
		15 GHz ~ 20 GHz	Fig.211	P
		20 GHz ~ 26 GHz	Fig.212	P

Conclusion: PASS

Test graphs as below:

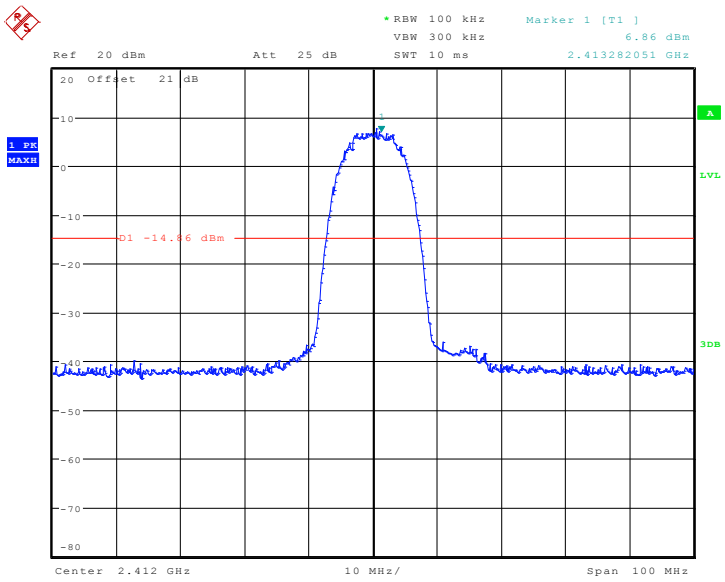


Fig. 53 Conducted Spurious Emission (802.11b, Ch1, Center Frequency)

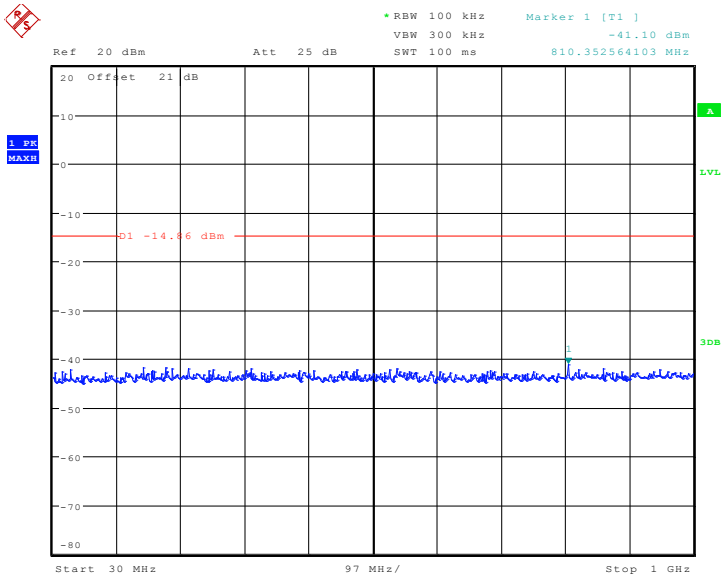


Fig. 54 Conducted Spurious Emission (802.11b, Ch1, 30 MHz-1 GHz)

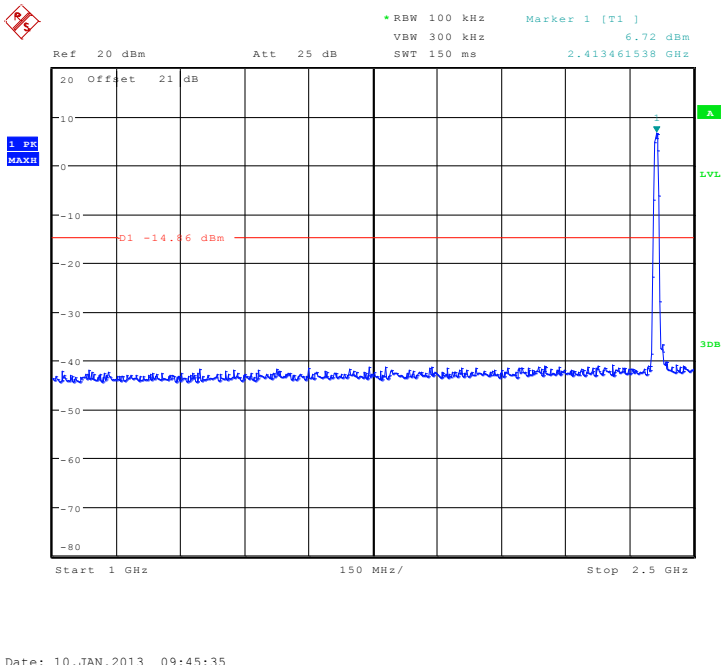


Fig. 55 Conducted Spurious Emission (802.11b, Ch1, 1 GHz-2.5 GHz)

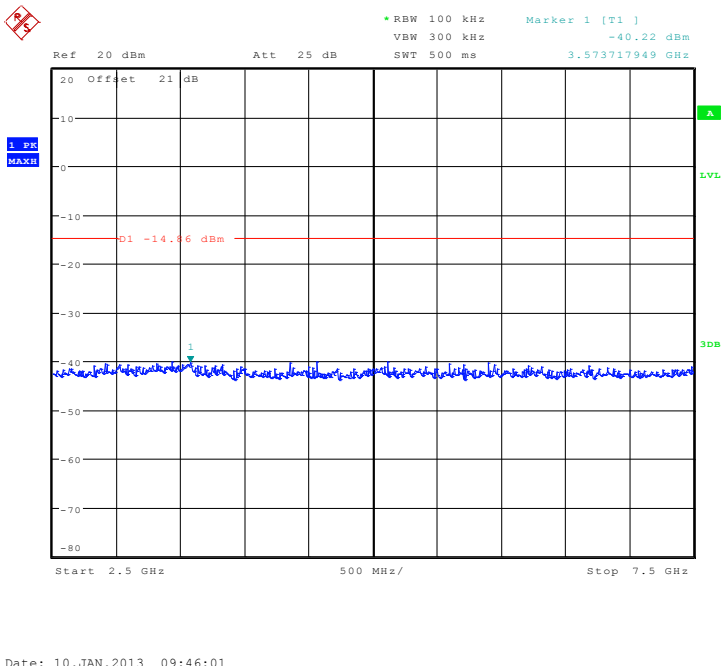


Fig. 56 Conducted Spurious Emission (802.11b, Ch1, 2.5 GHz-7.5 GHz)

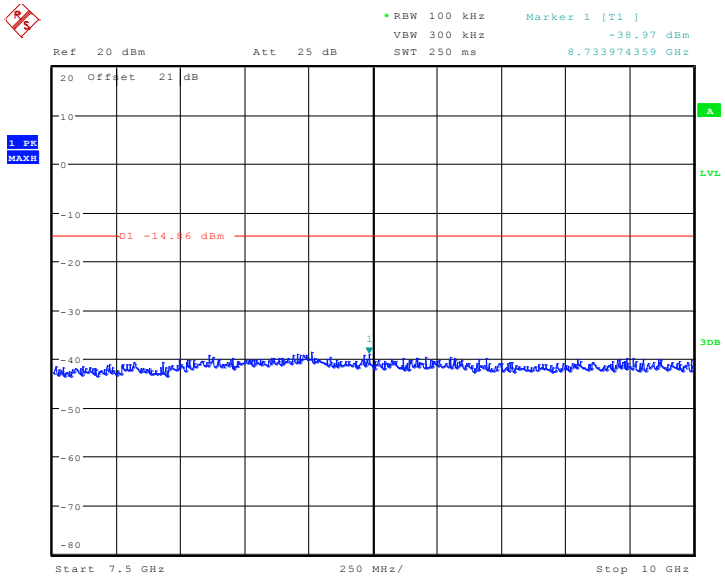


Fig. 57 Conducted Spurious Emission (802.11b, Ch1, 7.5 GHz-10 GHz)

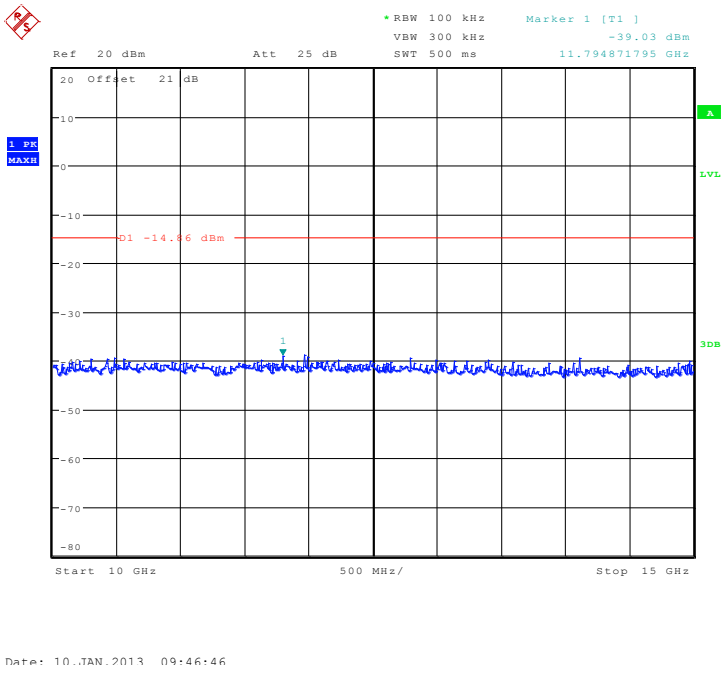


Fig. 58 Conducted Spurious Emission (802.11b, Ch1, 10 GHz-15 GHz)

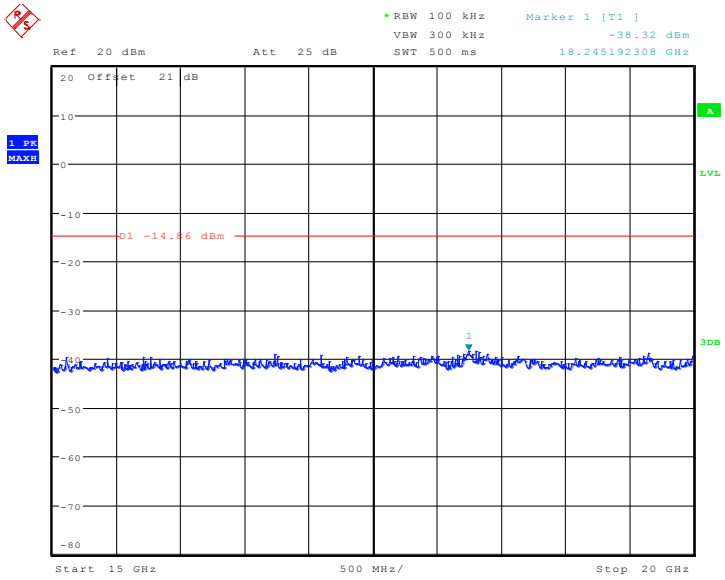


Fig. 59 Conducted Spurious Emission (802.11b, Ch1, 15 GHz-20 GHz)

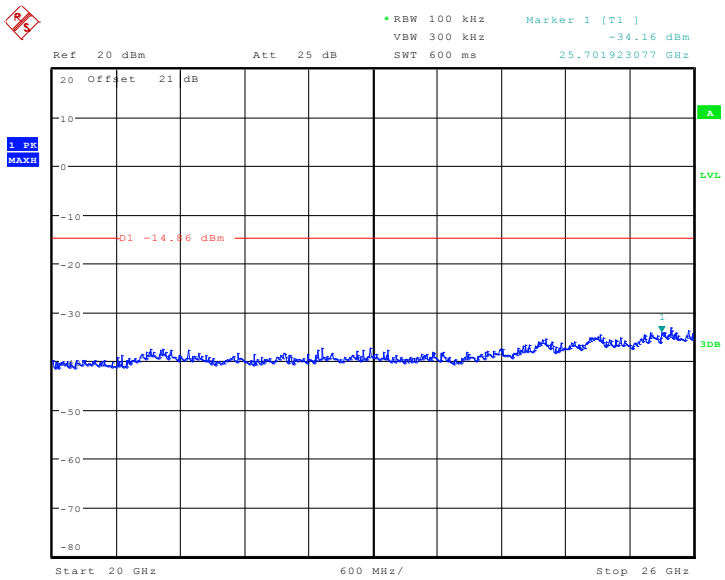


Fig. 60 Conducted Spurious Emission (802.11b, Ch1, 20 GHz-26 GHz)

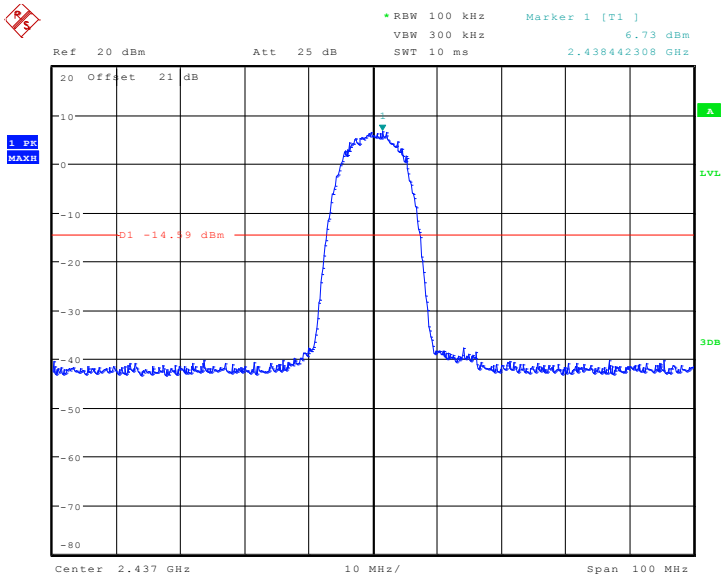


Fig. 61 Conducted Spurious Emission (802.11b, Ch6, Center Frequency)

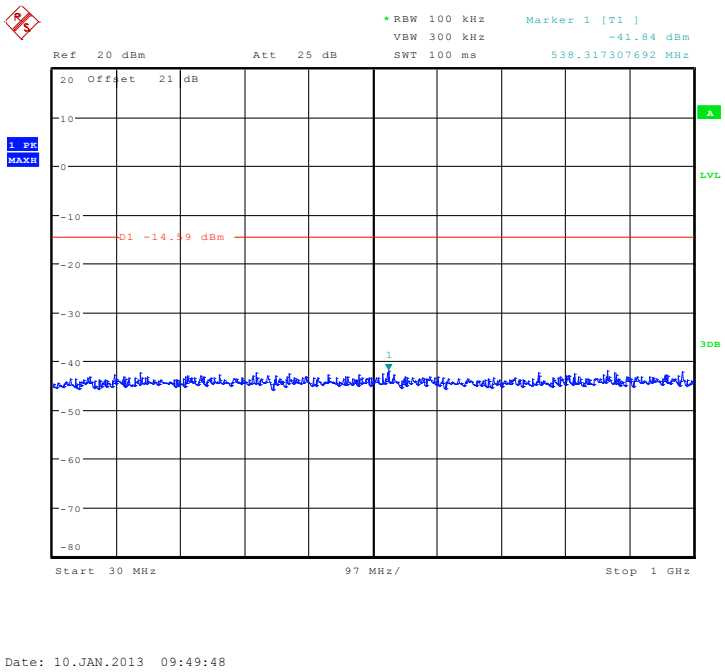


Fig. 62 Conducted Spurious Emission (802.11b, Ch6, 30 MHz-1 GHz)

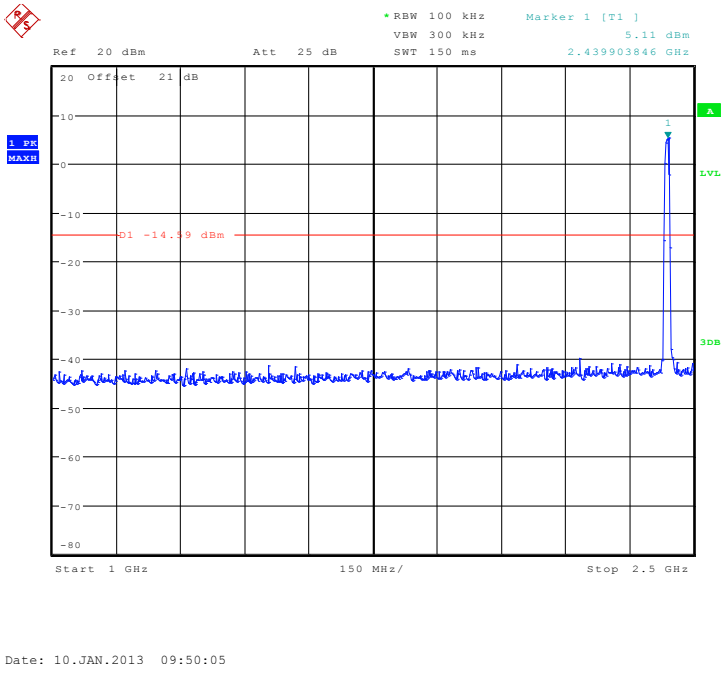


Fig. 63 Conducted Spurious Emission (802.11b, Ch6, 1 GHz-2.5 GHz)

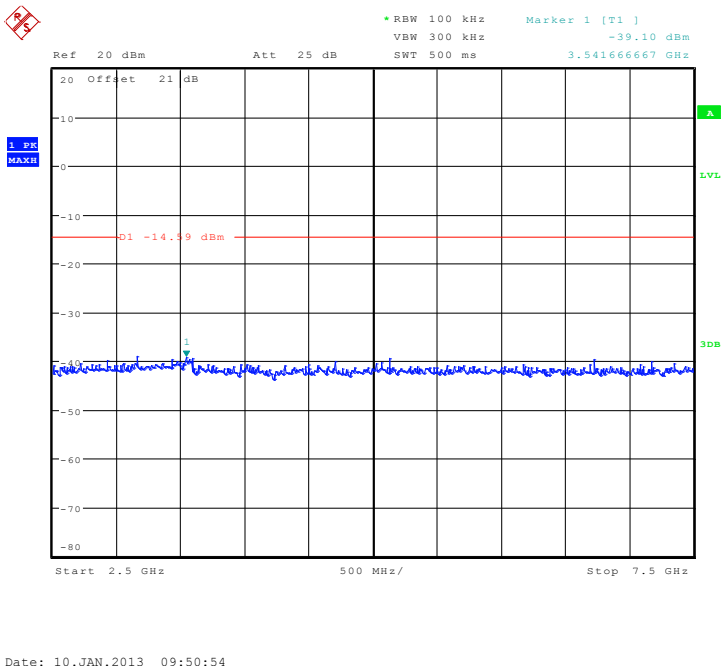


Fig. 64 Conducted Spurious Emission (802.11b, Ch6, 2.5 GHz-7.5 GHz)

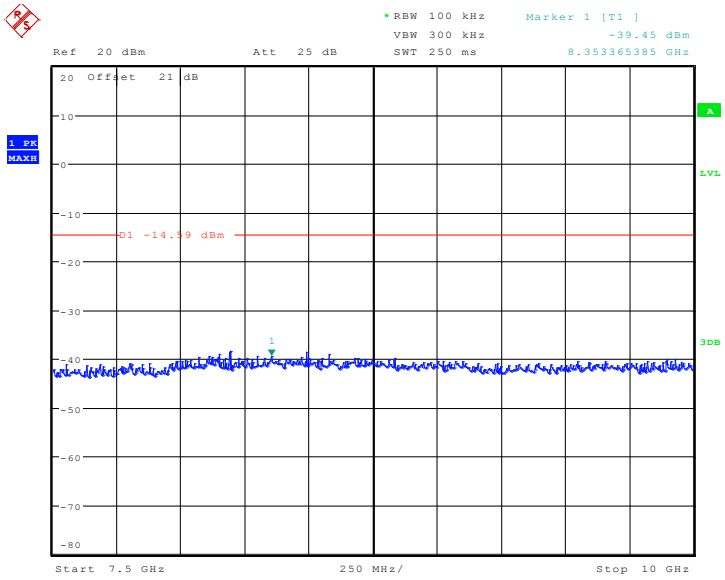


Fig. 65 Conducted Spurious Emission (802.11b, Ch6, 7.5 GHz-10 GHz)

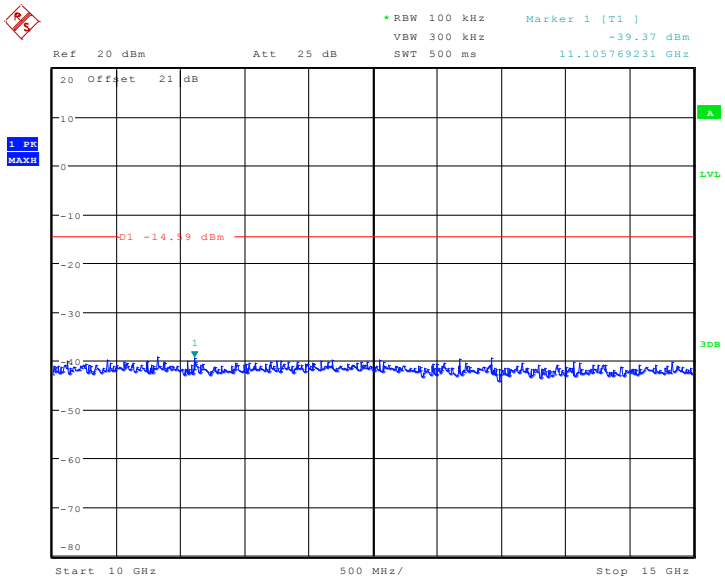


Fig. 66 Conducted Spurious Emission (802.11b, Ch6, 10 GHz-15 GHz)

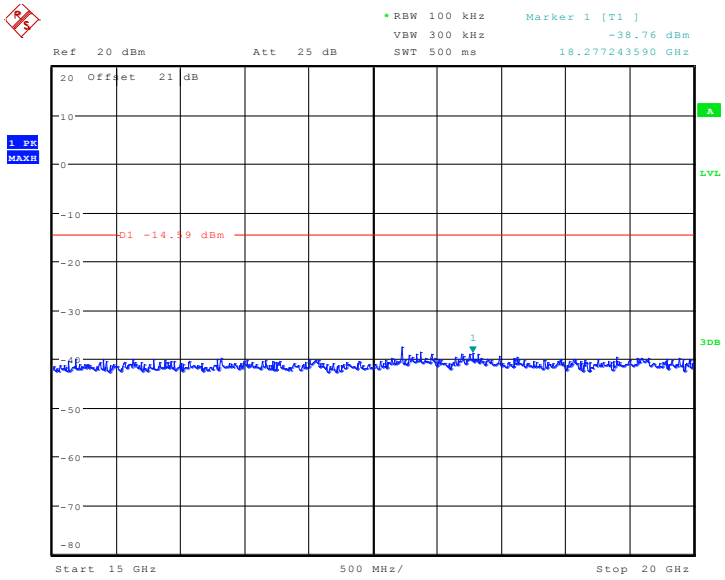


Fig. 67 Conducted Spurious Emission (802.11b, Ch6, 15 GHz-20 GHz)

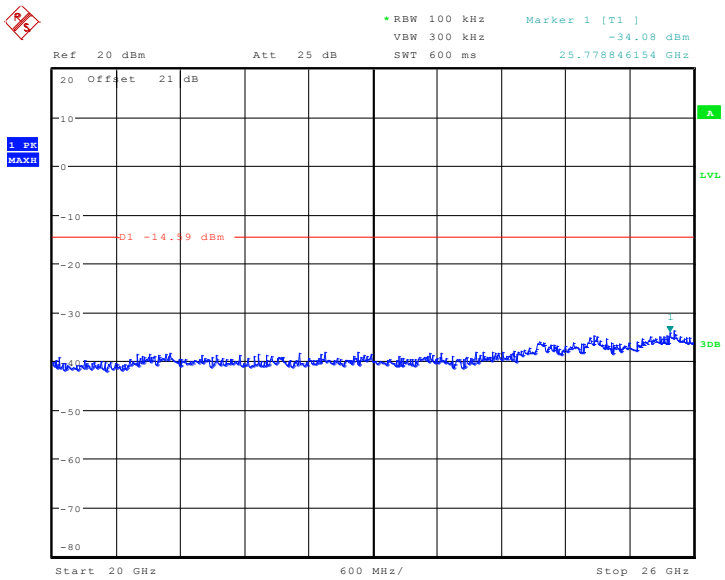


Fig. 68 Conducted Spurious Emission (802.11b, Ch6, 20 GHz-26 GHz)

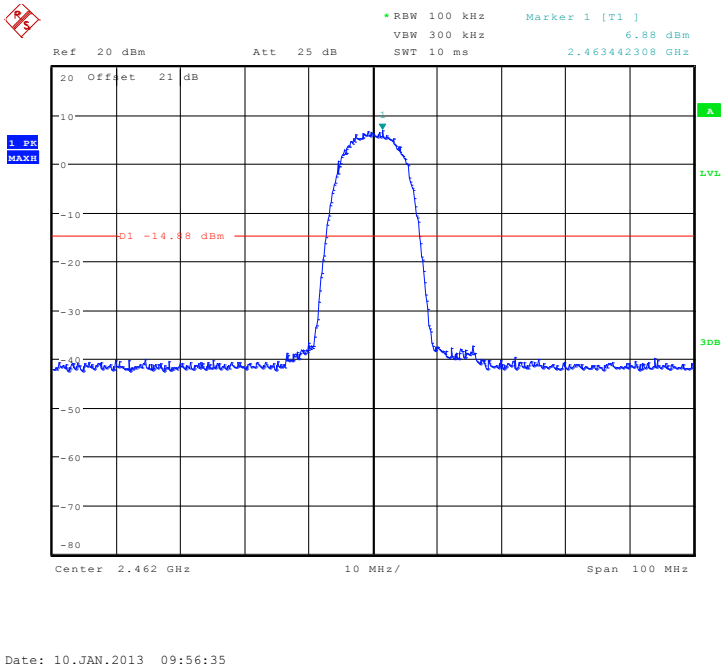


Fig. 69 Conducted Spurious Emission (802.11b, Ch11, Center Frequency)

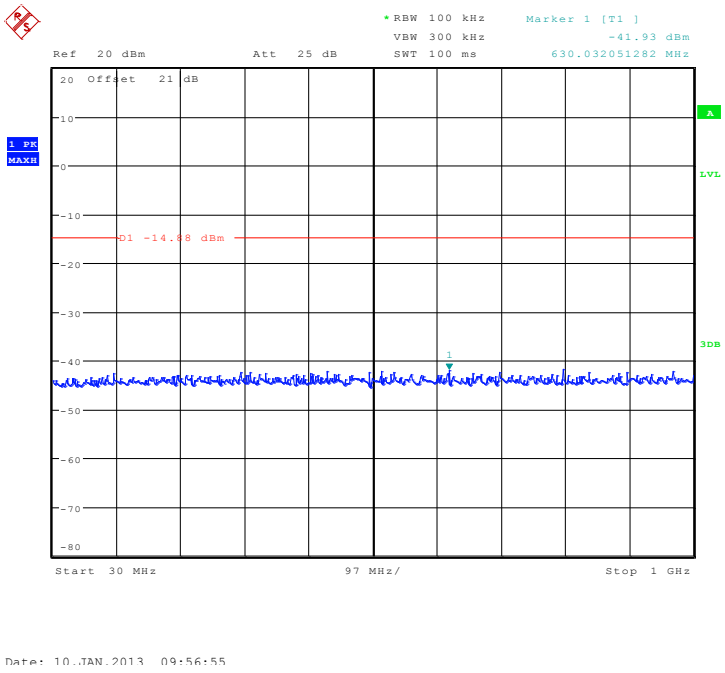


Fig. 70 Conducted Spurious Emission (802.11b, Ch11, 30 MHz-1 GHz)