FCC PART 15C
TEST REPORT
No. 2013WLN0813

for

TCT Mobile Limited

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

Type: Smart III 4

Market Name: Vodafone 975

With

FCC ID: RAD351

Hardware Version: MP

Software Version: vG7J-6

Issued Date: 2014-01-06

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

Shouxiang Science Building, No 51, Xueyuan Road, Haidian District, Beijing, P.R.China 100191

Tel:+86(0)10-62304633-2561, Fax:+86(0)10-62304633-2504 Email:welcome@emcite.com. www.emcite.com

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:	008610623046332561
Fax:	008610623046332504

1.2. Testing Environment

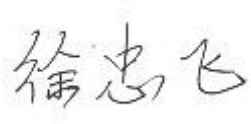
Normal Temperature:	15-30℃
Extreme Temperature:	-10/+55℃
Relative Humidity:	30-60%
Air Pressure	990hPa-1040hPa

Note: The climatic requirements above are general exclude the special requirements for dedicated test environments listed in section 5 and some specific test cases in other parts of this report.

1.3. Project data

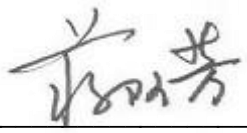
Testing Start Date:	2013-01-21
Testing End Date:	2013-12-23

1.4. 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
Contact	Gong Zhizhou
Email	zhizhou.gong@jrdcom.com
Telephone:	0086-21-61460890
Fax:	0086-21-61460602

2.2. Manufacturer Information

Company Name:	TCT Mobile Limited
Address /Post:	5F, C building, No. 232, Liang Jing Road ZhangJiang High-Tech Park, Pudong Area Shanghai, P.R. China. 201203
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	Smart III 4
Market name	Vodafone 975
FCC ID	RAD351
IC ID	/
With WLAN Function	Yes
Frequency Range	ISM 2400MHz~2483.5MHz
Type of Modulation	DSSS/CCK/OFDM
Number of Channels	11
Antenna	Integral Antenna
MAX Conducted Power	23.16dBm(OFDM)
GPRS Class	Class 12
GPRS operation mode	Class B
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	869531012200162	MP	vG7J-6
EUT2		MP	vG7J-6

*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	CAB32A0004C1	/
AE2	Battery	CAB32A0004C2	/
AE3	Charger	CBA3001AG0C1	/
AE4	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.

Normal Accessory setting:

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

4. REFERENCE DOCUMENTS

4.1. Documents supplied by applicant

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

4.2. REFERENCE DOCUMENTS FOR TESTING

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

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

5. LABORATORY ENVIRONMENT

Shielding Room1 (6.0 meters×3.0 meters×2.7 meters) did not exceed following limits along the conducted RF performance testing:

Temperature	Min. = 15 ℃, Max. = 30 ℃
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Ground system resistance	< 0.5 Ω
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

Semi-anechoic chamber (10 meters×6.7meters×6.15meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 ℃, Max. = 30 ℃
Relative humidity	Min. = 35 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 2 M ohm
Ground system resistance	< 0.5 Ω
Normalised site attenuation (NSA)	< ±3.5 dB, 3 m distance
Site voltage standing-wave ratio (S_{VSWR})	Between 0 and 6 dB, from 1GHz to 18GHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 3000 MHz

Shielding Room2 (7.30 meters×4.00 meters×3.80 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 ℃, Max. = 30 ℃
Relative humidity	Min. = 35 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

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.

Test Conditions

T nom	Normal Temperature
T min	Low Temperature
T max	High Temperature
V nom	Normal Voltage
V min	Low Voltage
V max	High Voltage
H nom	Norm Humidity
A nom	Norm Air Pressure

For this report, all the test cases listed above are tested under Normal Temperature and Normal Voltage which is using a new battery, and also under norm humidity, the specific conditions as following:

Temperature	T nom	26℃
Voltage	V nom	3.8V(By battery)
Humidity	H nom	44%
Air Pressure	A nom	1010hPa

7. TEST EQUIPMENTS UTILIZED

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date
1	Vector Signal Analyzer	FSQ40	200089	Rohde & Schwarz	2014-07-19
3	Test Receiver	ESS	847151/015	Rohde & Schwarz	2014-10-30
4	LISN	ESH2-Z5	829991/012	Rohde & Schwarz	2014-08-12

Radiated emission test system

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

Anechoic chamber

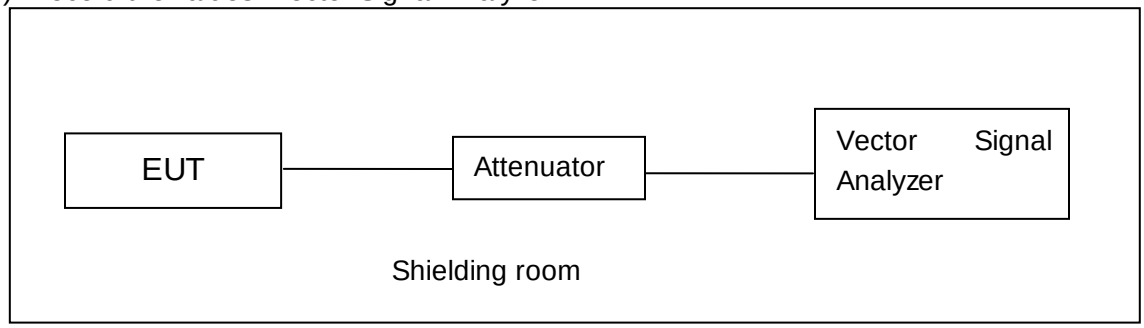
Anechoic chamber by Frankonia German.

ANNEX A: MEASUREMENT RESULTS

A.1. Measurement Method

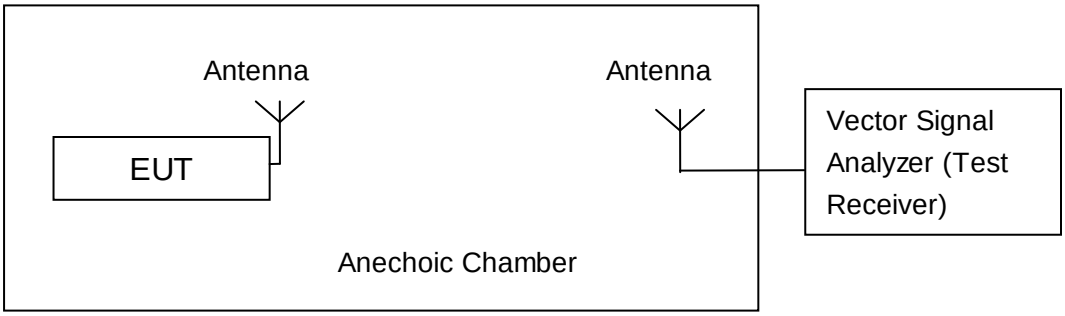
A.1.1. Conducted Measurements

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)	2467 MHz (Ch12)	2472 MHz (Ch13)
802.11b	1	19.85	/	/	17.55	/
	2	19.83	/	/	17.80	/
	5.5	21.39	/	/	19.02	/
	11	22.67	22.80	22.48	20.55	13.78
802.11g	6	22.87	/	/	9.17	/
	9	22.81	/	/	9.23	/
	12	22.64			8.99	/
	18	22.66	/	/	8.94	/
	24	23.09	23.16	22.76	9.53	9.31
	36	23.06	/	/	9.47	/
	48	22.89	/	/	9.49	/
	54	22.92	/	/	9.44	/

The data rate 11Mbps and 24Mbps 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)	2467 MHz (Ch12)	2472 MHz (Ch13)
802.11n (20MHz)	MCS0	20.11	/	/	9.05	/
	MCS1	19.91	/	/	8.93	/
	MCS2	19.86	/	/	8.88	/
	MCS3	20.36	/	/	9.35	/
	MCS4	20.30	/	/	9.31	/
	MCS5	20.39	20.50	19.96	9.44	9.27
	MCS6	20.28	/	/	9.41	/
	MCS7	20.20	/	/	9.39	/

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

802.11n-HT40 mode

Mode	Data Rate (Index)	Test Result (dBm)				
		2422MHz (Ch3)	2437MHz (Ch6)	2452 MHz (Ch9)	2457 MHz (Ch10)	2462 MHz (Ch11)
802.11n (40MHz)	MCS0	18.89	/	/	16.55	/
	MCS1	18.75	/	/	16.35	/
	MCS2	18.52	/	/	16.34	/
	MCS3	18.94	/	/	16.75	/
	MCS4	18.93	/	/	16.76	/
	MCS5	18.97	19.06	18.71	16.78	16.75
	MCS6	18.95	/	/	16.53	/
	MCS7	18.91	/	/	16.52	/

The data rate MCS5 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)	2467 MHz (Ch12)	2472 MHz (Ch13)
802.11b	16.23	16.36	15.82	14.20	7.95
802.11g	14.42	14.50	14.11	-2.64	-2.67

802.11n-HT20 mode

Mode	Test Result (dBm)				
	2412MHz (Ch1)	2437MHz (Ch6)	2462 MHz (Ch11)	2467 MHz (Ch12)	2472 MHz (Ch13)
802.11n (20MHz)	11.57	11.63	11.19	-2.69	-2.64

802.11n-HT40 mode

Mode	Test Result (dBm)				
	2422MHz (Ch3)	2437MHz (Ch6)	2452 MHz (Ch9)	2457 MHz (Ch10)	2462 MHz (Ch11)
802.11n (40MHz)	10.27	10.11	9.85	8.00	8.05

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	-3.92	P
	6	Fig.2	-4.26	P
	11	Fig.3	-5.40	P
	12	Fig.4	-9.55	P
	13	Fig.5	-16.97	P
802.11g	1	Fig.6	-7.07	P
	6	Fig.7	-9.01	P
	11	Fig.8	-8.26	P
	12	Fig.9	-29.21	P
	13	Fig.10	-28.40	P

802.11n-HT20 mode

Mode	Channel	Power Spectral Density (dBm/3 kHz)		Conclusion
802.11n (20MHz)	1	Fig.11	-12.33	P
	6	Fig.12	-13.36	P
	11	Fig.13	-12.84	P
	12	Fig.14	-28.85	P
	13	Fig.15	-28.87	P

802.11n-HT40 mode

Mode	Channel	Power Spectral Density (dBm/3 kHz)		Conclusion
802.11n (40MHz)	3	Fig.16	-16.72	P
	6	Fig.17	-17.23	P
	9	Fig.18	-15.44	P
	10	Fig.19	-21.46	P
	11	Fig.20	-22.24	P

Conclusion: PASS

Test graphs as below:

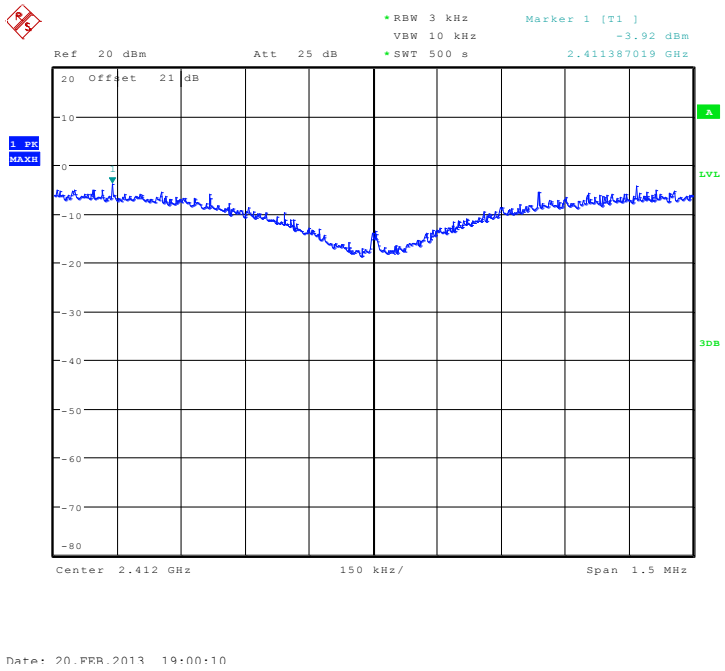


Fig. 1 Power Spectral Density (802.11b, Ch 1)

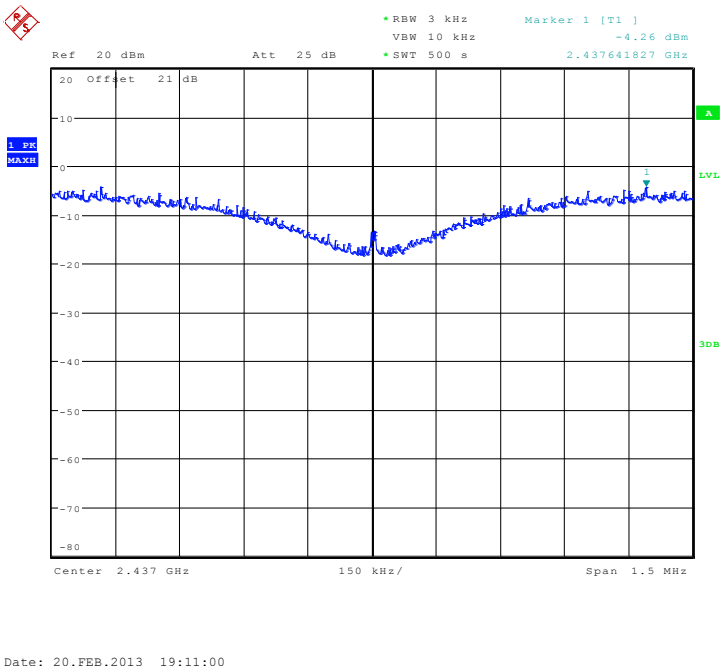


Fig. 2 Power Spectral Density (802.11b, Ch 6)

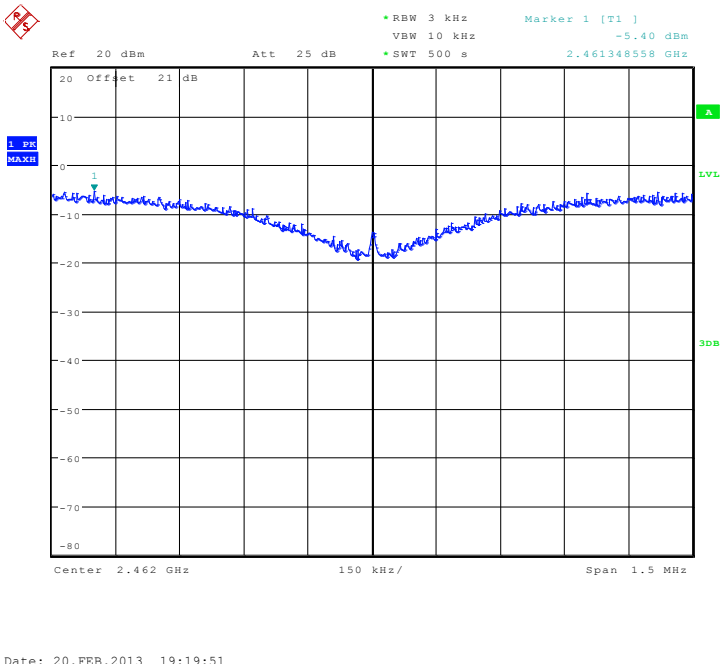


Fig. 3 Power Spectral Density (802.11b, Ch 11)

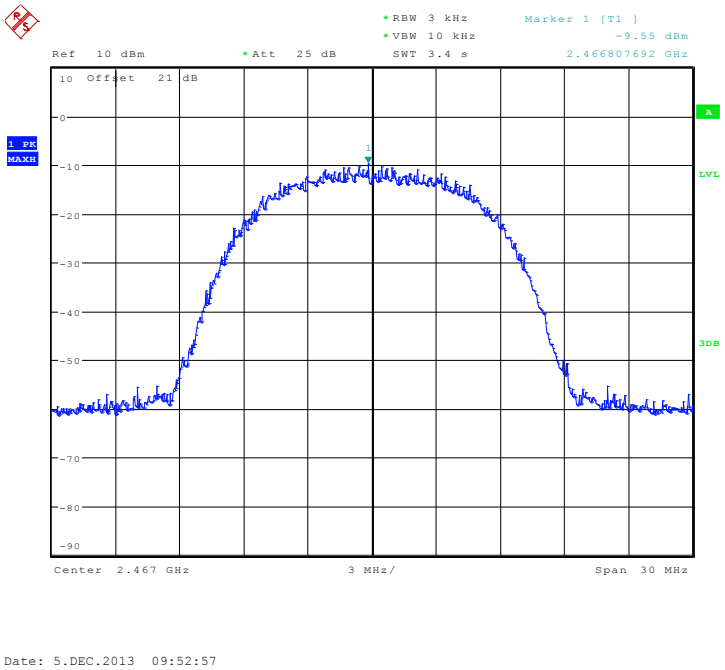


Fig. 4 Power Spectral Density (802.11b, Ch 12)

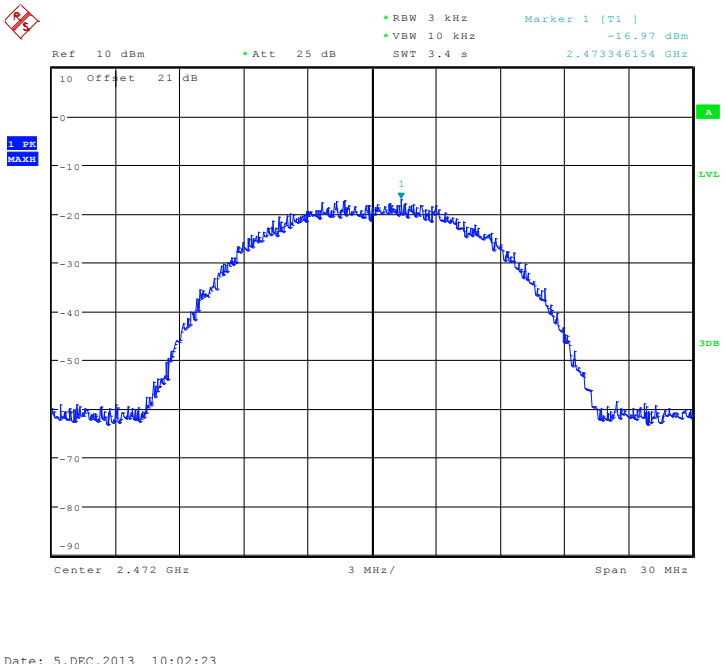


Fig. 5 Power Spectral Density (802.11b, Ch 13)

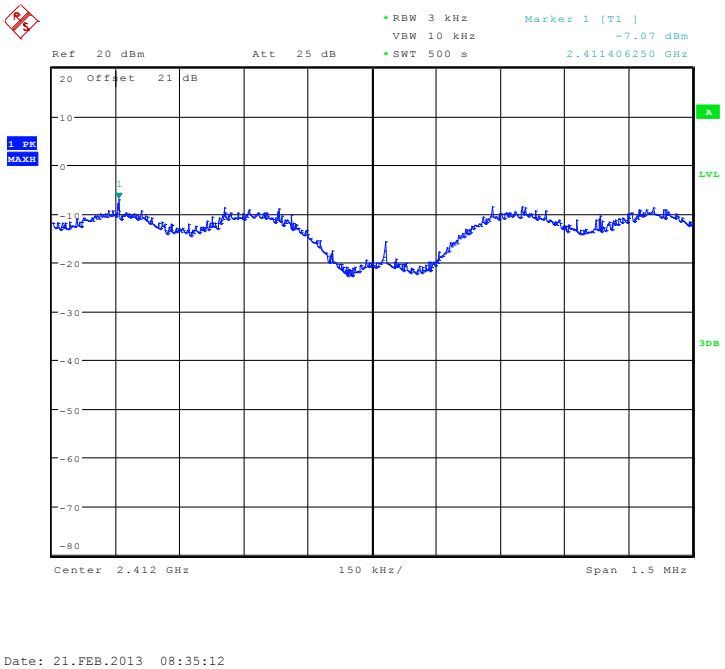


Fig. 6 Power Spectral Density (802.11g, Ch 1)

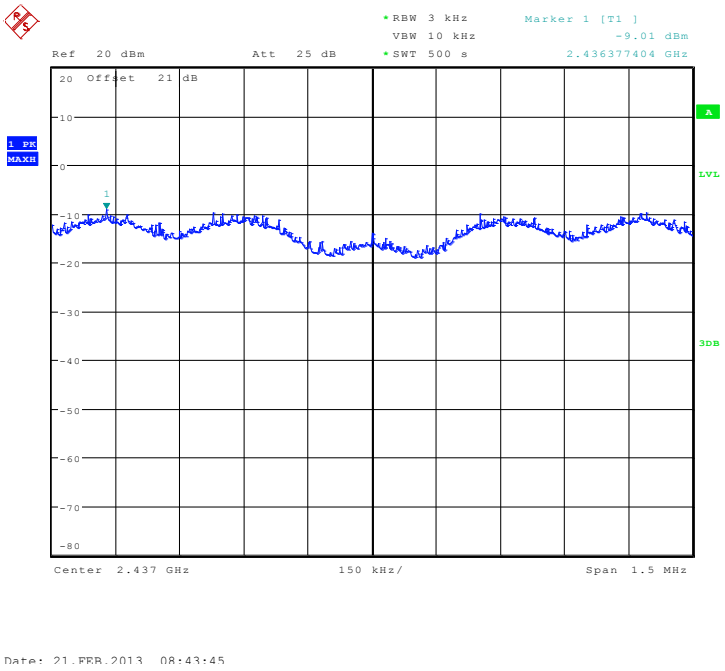


Fig. 7 Power Spectral Density (802.11g, Ch 6)

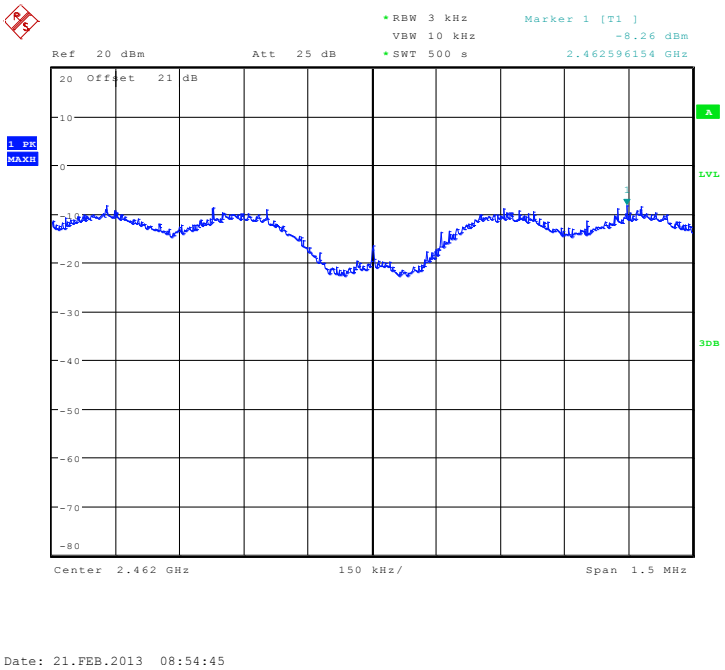


Fig. 8 Power Spectral Density (802.11g, Ch 11)

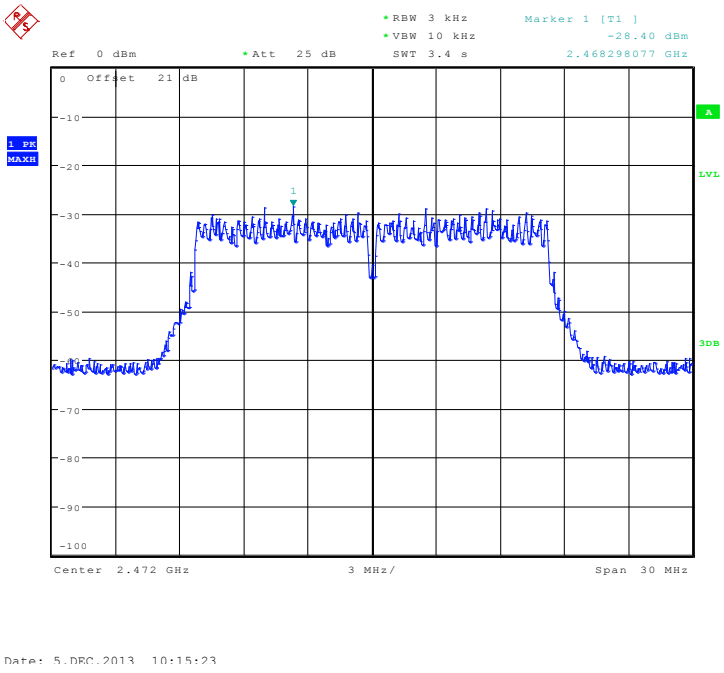


Fig. 9 Power Spectral Density (802.11g, Ch 12)

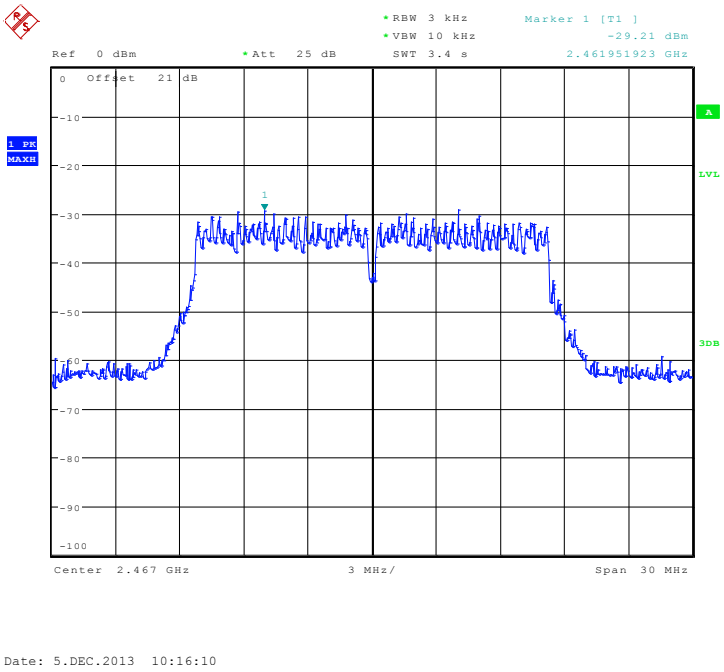


Fig. 10 Power Spectral Density (802.11g, Ch 13)

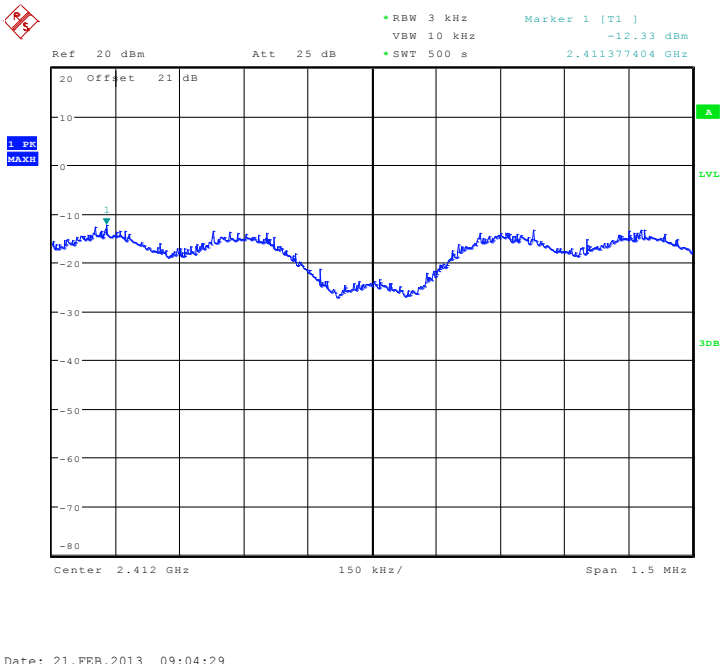


Fig. 11 Power Spectral Density (802.11n-HT20, Ch 1)

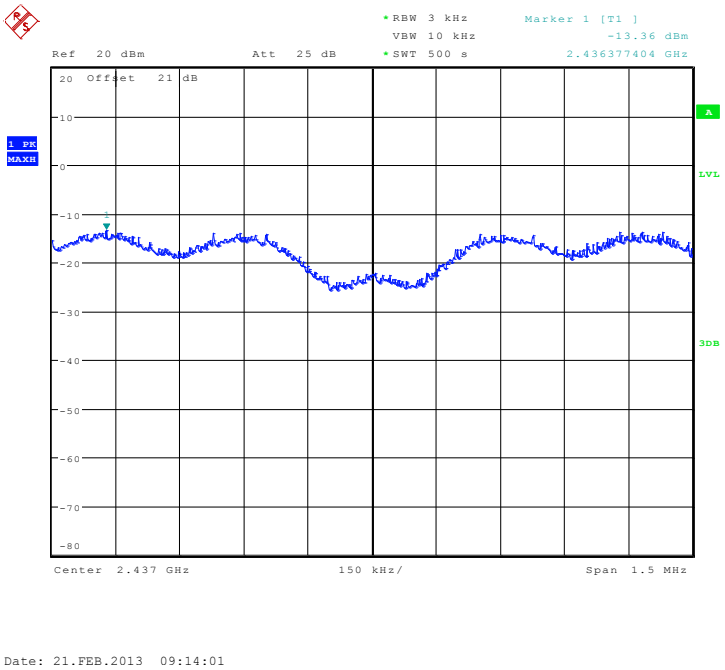


Fig. 12 Power Spectral Density (802.11n-HT20, Ch 6)

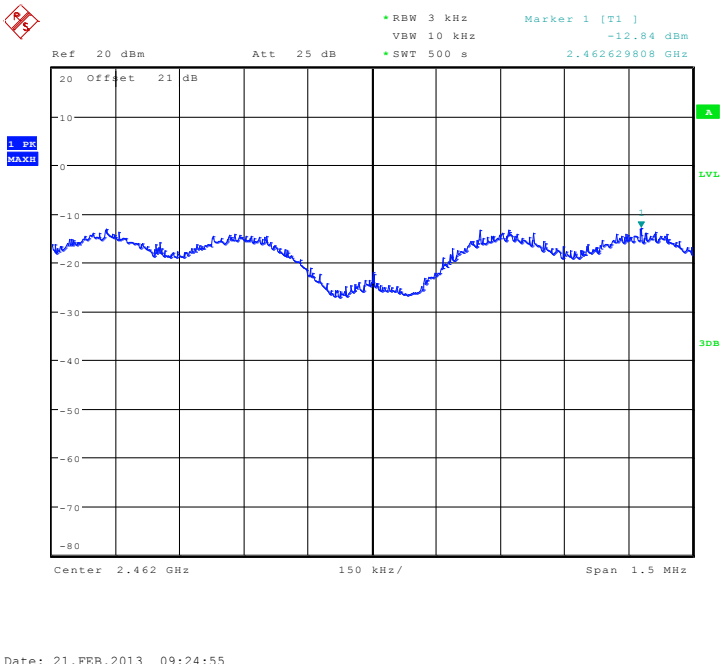


Fig. 13 Power Spectral Density (802.11n-HT20, Ch 11)

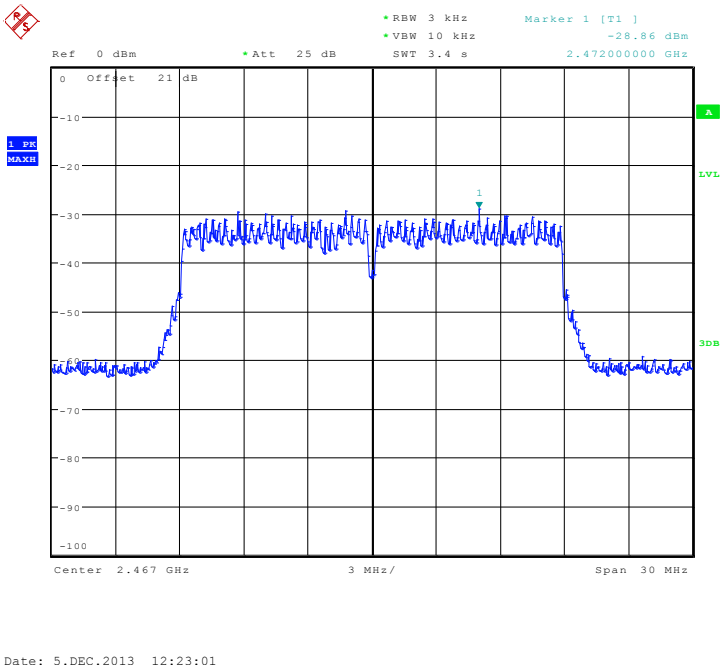


Fig. 14 Power Spectral Density (802.11n-HT20, Ch 12)

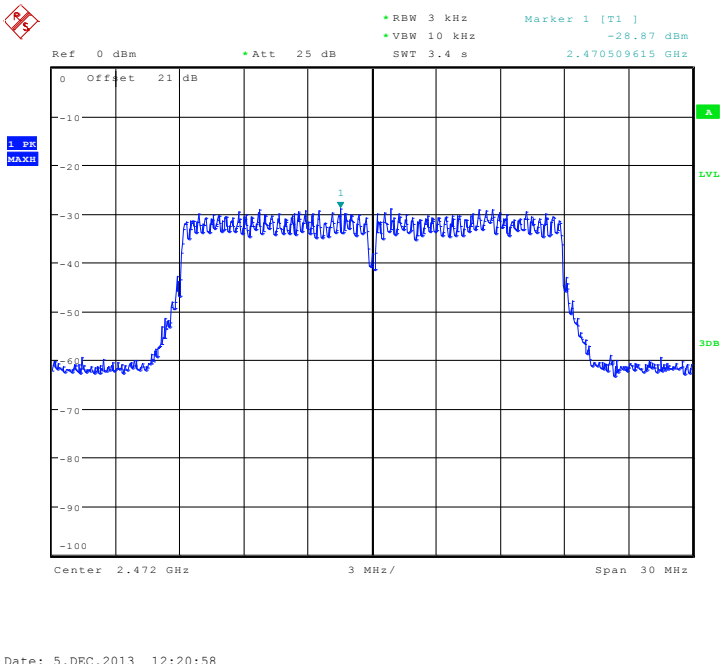


Fig. 15 Power Spectral Density (802.11n-HT20, Ch 13)

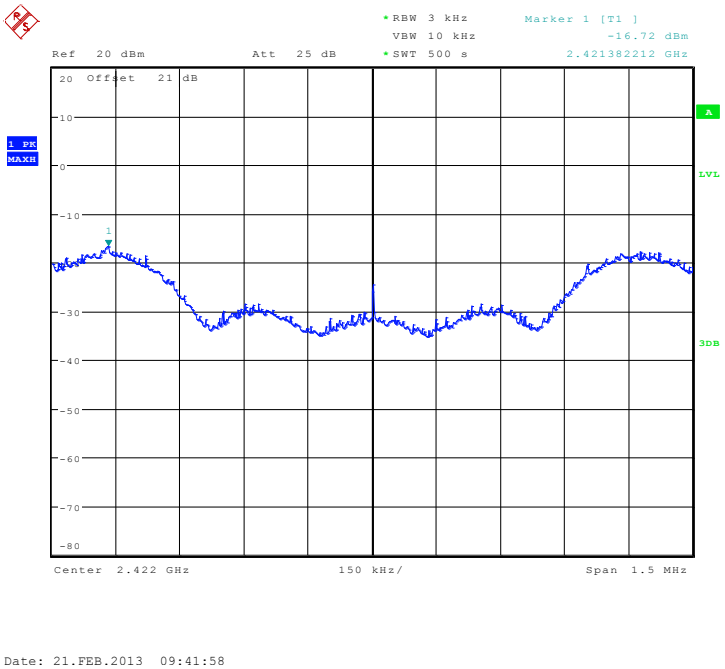


Fig. 16 Power Spectral Density (802.11n-HT40, Ch 3)

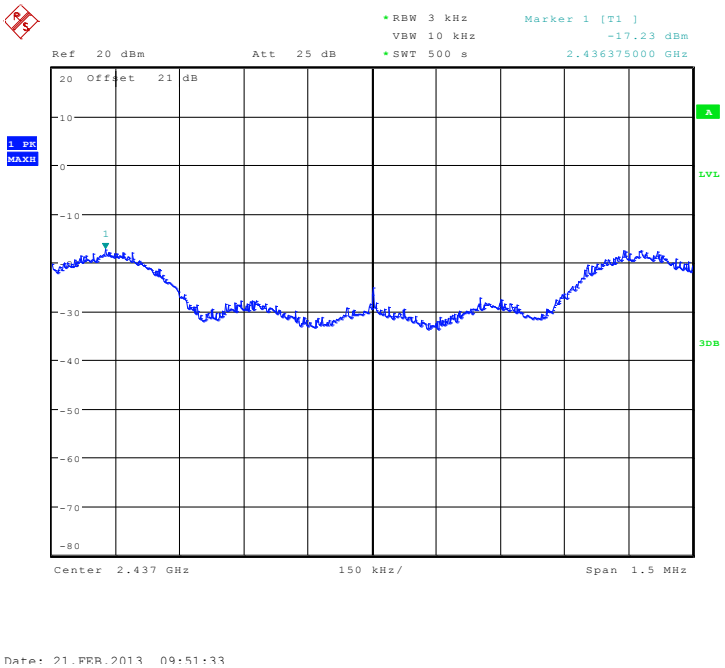


Fig. 17 Power Spectral Density (802.11n-HT40, Ch 6)

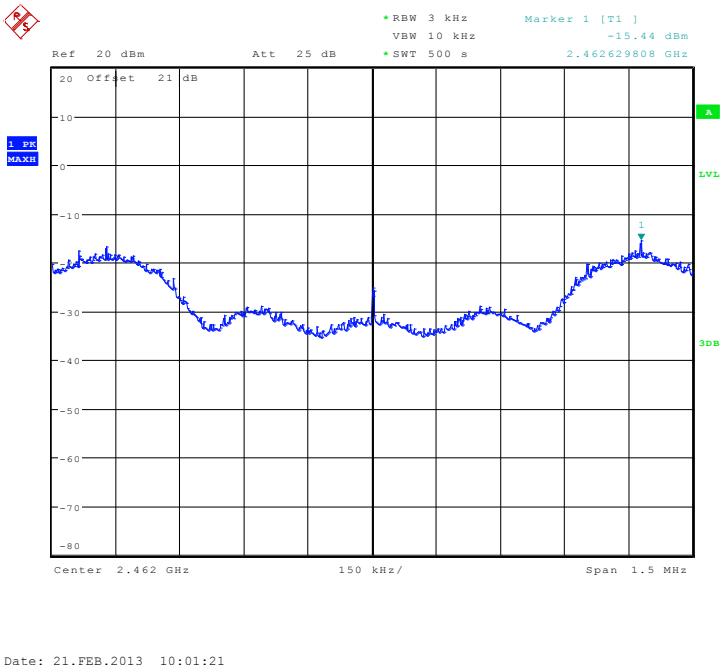


Fig. 18 Power Spectral Density (802.11n-HT40, Ch 9)

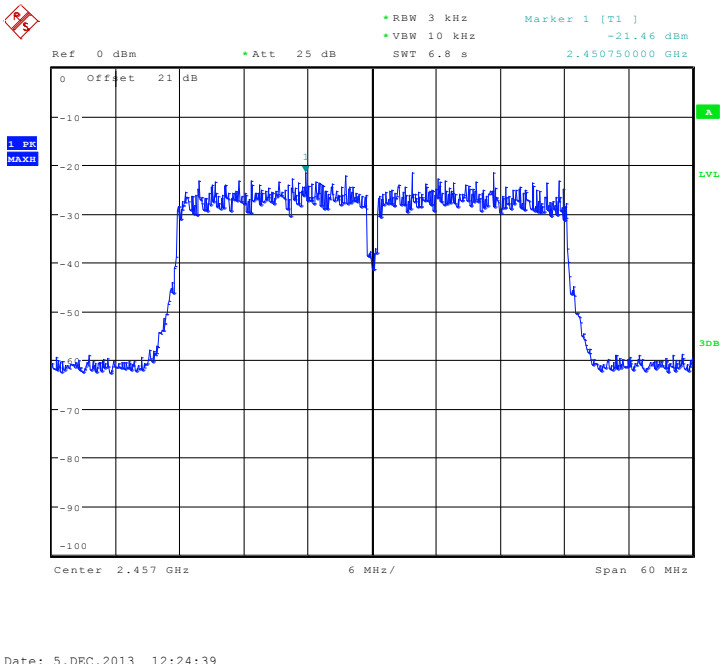


Fig. 19 Power Spectral Density (802.11n-HT40, Ch 10)

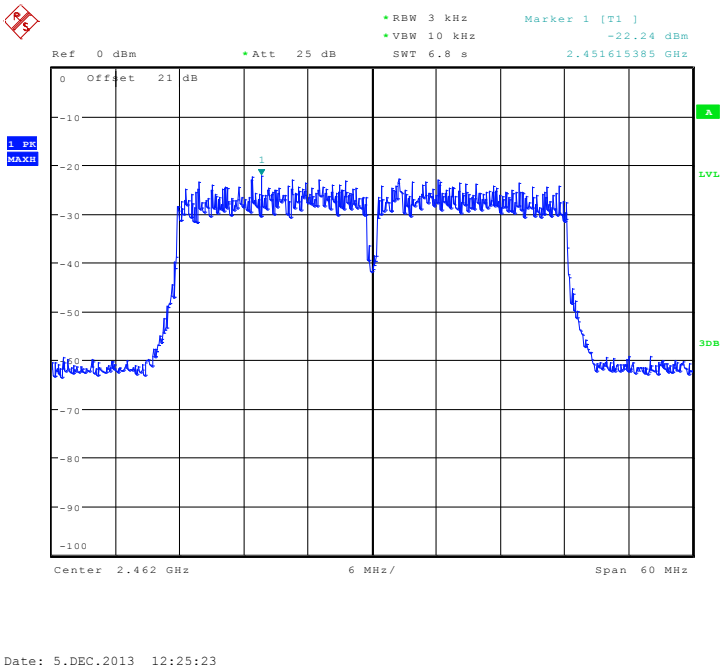


Fig. 20 Power Spectral Density (802.11n-HT40, Ch 11)

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	9103	P
	6	Fig.22	9167	P
	11	Fig.23	9103	P
	12	Fig.24	9680	P
	13	Fig.25	10769	P
802.11g	1	Fig.26	16314	P
	6	Fig.27	16282	P
	11	Fig.28	16090	P
	12	Fig.29	16603	P
	13	Fig.30	16538	P

802.11n-HT20 mode

Mode	Channel	Occupied 6dB Bandwidth (kHz)		conclusion
802.11n (20MHz)	1	Fig.31	17756	P
	6	Fig.32	17692	P
	11	Fig.33	17756	P
	12	Fig.34	17821	P
	13	Fig.35	17821	P

802.11n-HT40 mode

Mode	Channel	Occupied 6dB Bandwidth (kHz)		conclusion
802.11n (40MHz)	3	Fig.36	35513	P
	6	Fig.37	35529	P
	9	Fig.38	35641	P
	12	Fig.39	36410	P
	13	Fig.40	36410	P

Conclusion: PASS

Test graphs as below:

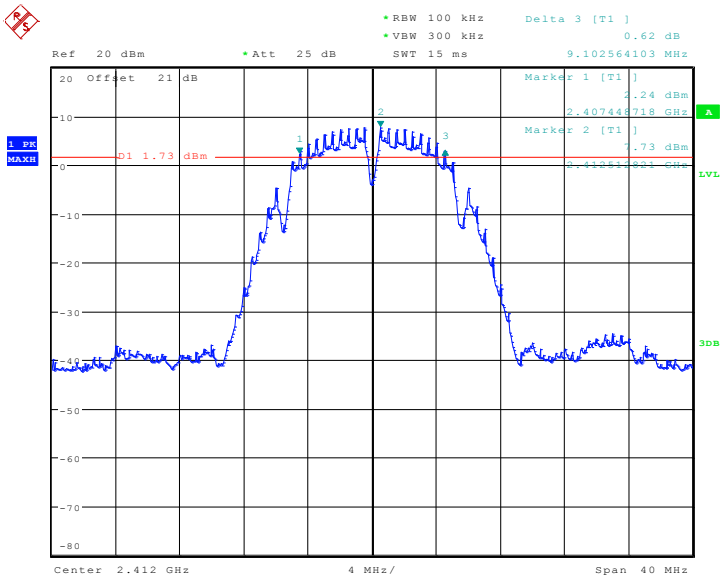


Fig. 21 Occupied 6dB Bandwidth (802.11b, Ch 1)

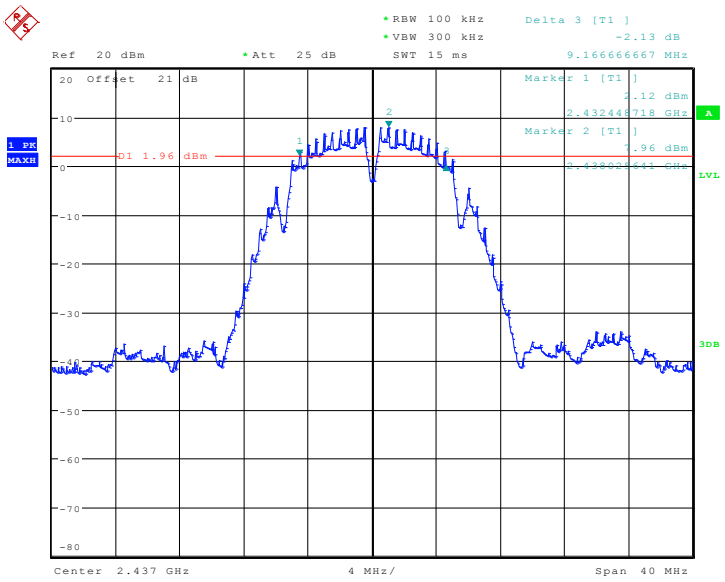


Fig. 22 Occupied 6dB Bandwidth (802.11b, Ch 6)

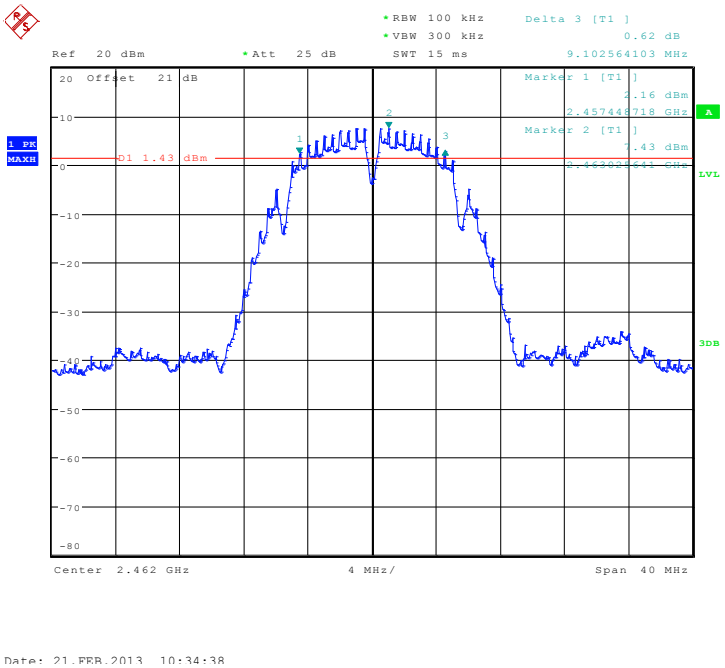


Fig. 23 Occupied 6dB Bandwidth (802.11b, Ch 11)

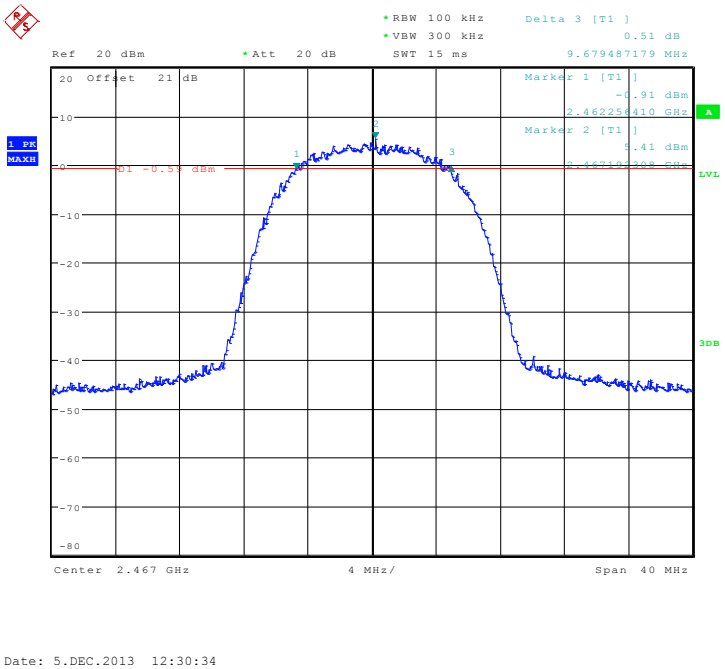


Fig. 24 Occupied 6dB Bandwidth (802.11b, Ch 12)

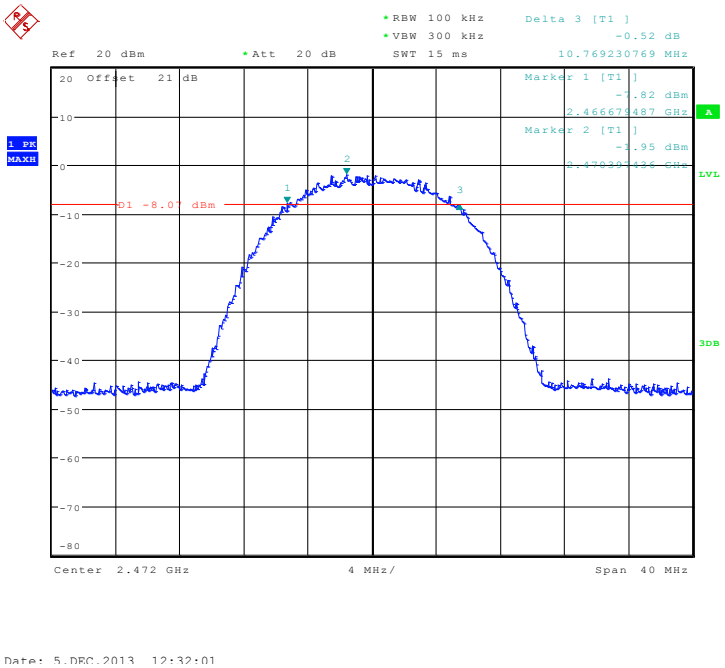


Fig. 25 Occupied 6dB Bandwidth (802.11b, Ch 13)

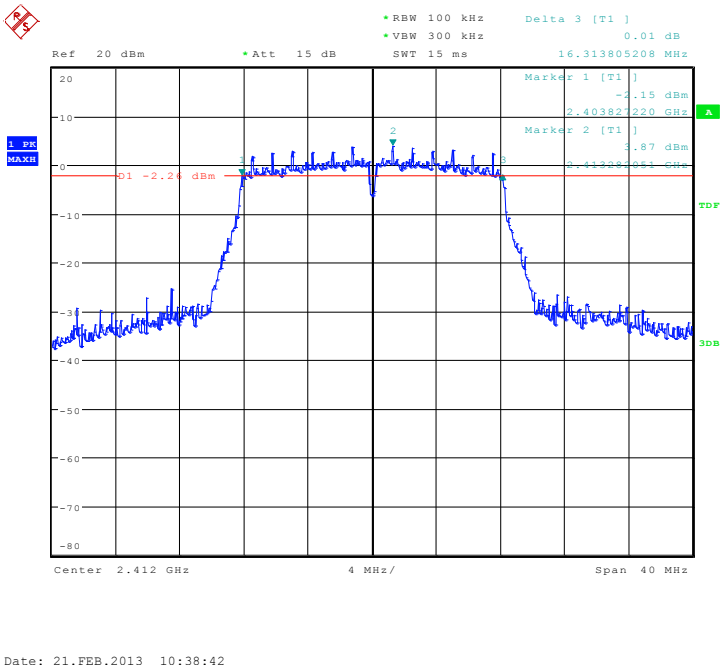


Fig. 26 Occupied 6dB Bandwidth (802.11g, Ch 1)

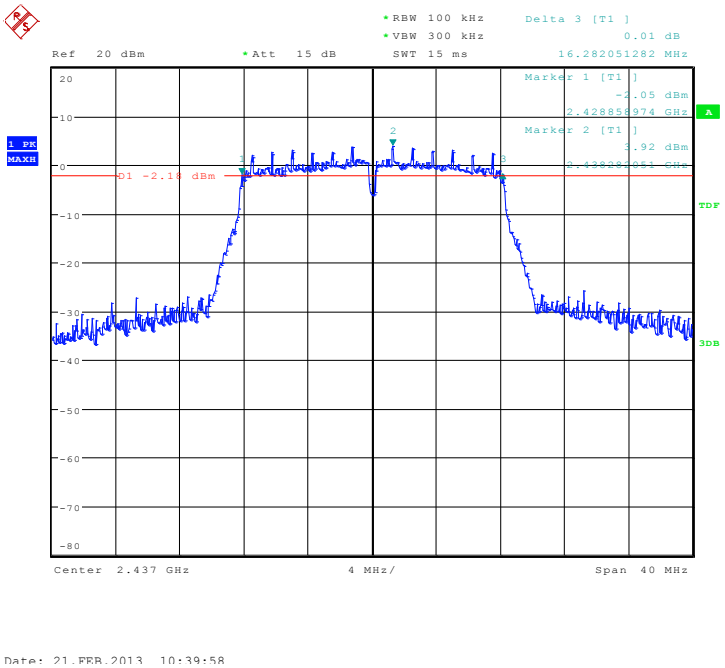


Fig. 27 Occupied 6dB Bandwidth (802.11g, Ch 6)

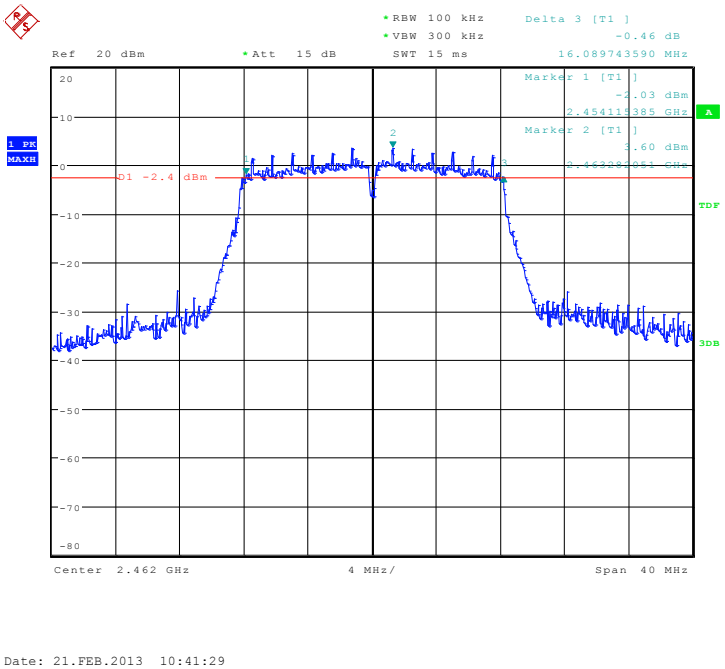


Fig. 28 Occupied 6dB Bandwidth (802.11g, Ch 11)

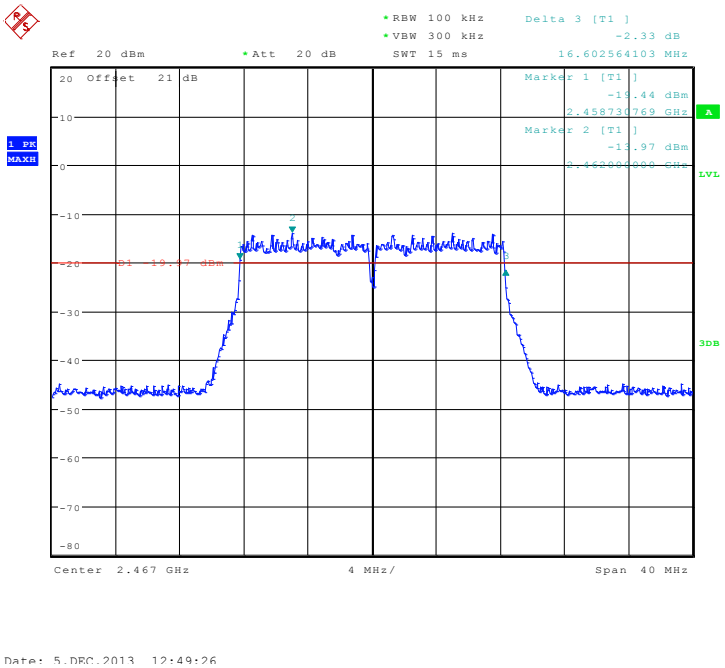


Fig. 29 Occupied 6dB Bandwidth (802.11g, Ch 12)

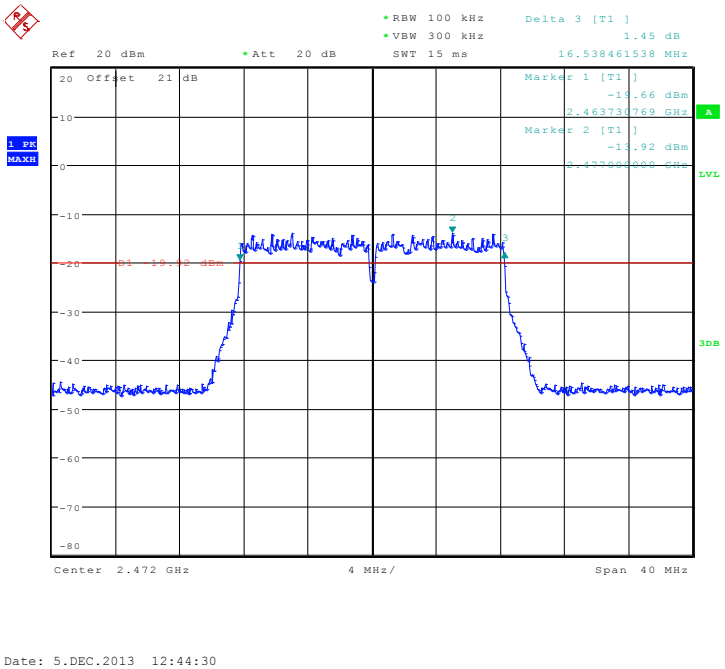


Fig. 30 Occupied 6dB Bandwidth (802.11g, Ch 13)

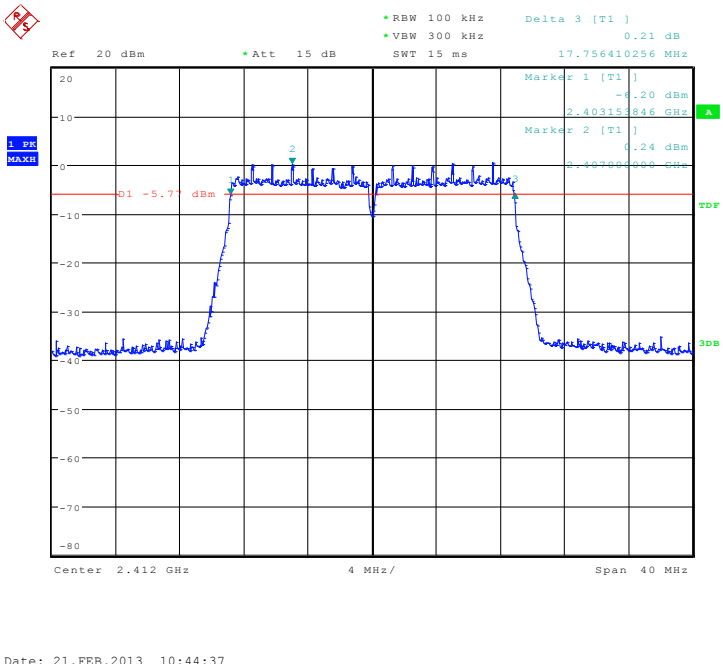


Fig. 31 Occupied 6dB Bandwidth (802.11n-HT20, Ch 1)

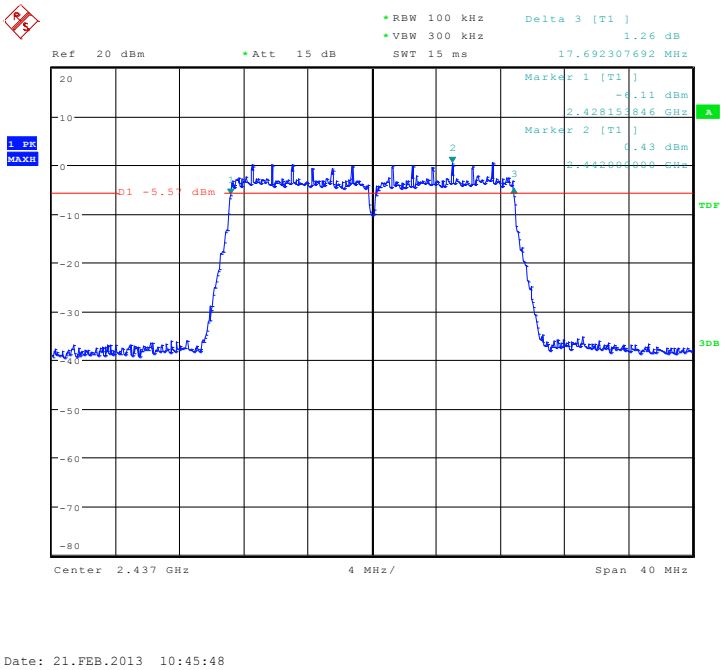


Fig. 32 Occupied 6dB Bandwidth (802.11n-HT20, Ch 6)

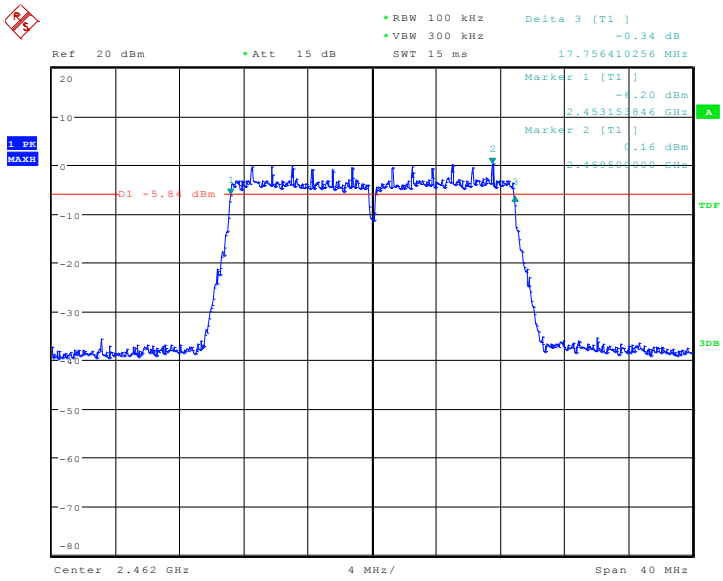


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Fig. 33 Occupied 6dB Bandwidth (802.11n-HT20, Ch 11)

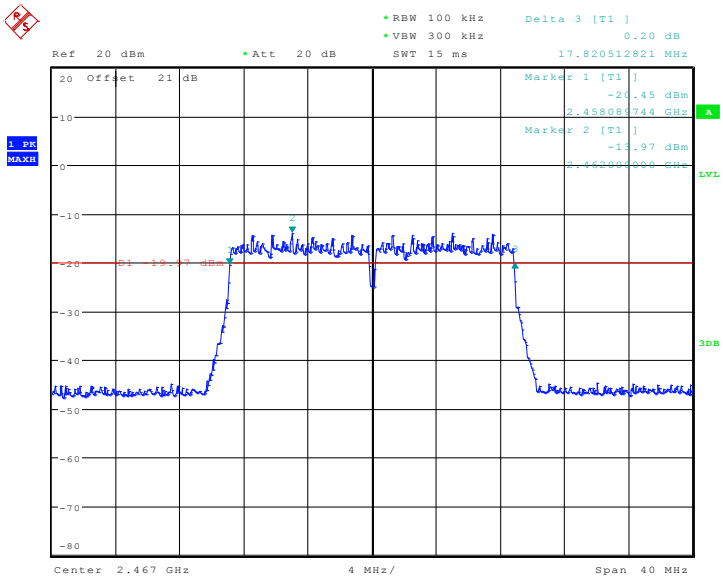

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Fig. 34 Occupied 6dB Bandwidth (802.11n-HT20, Ch 12)

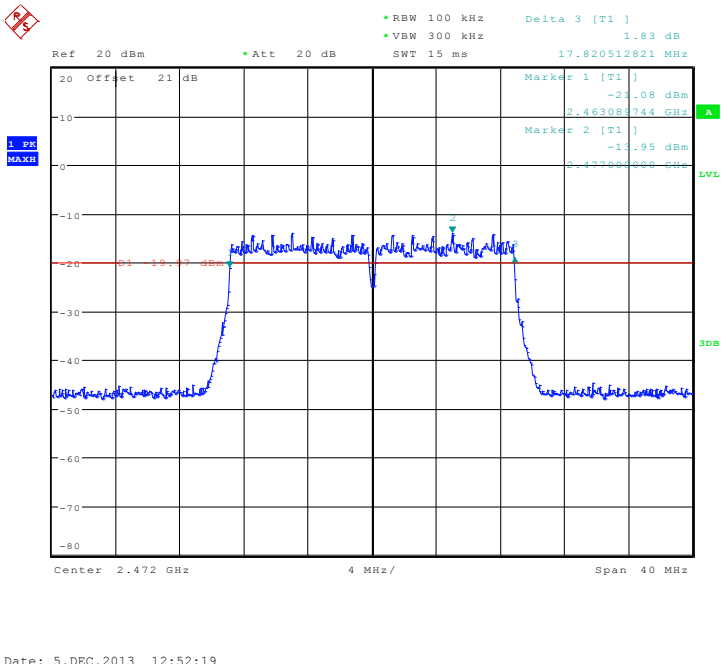

Fig. 35 Occupied 6dB Bandwidth (802.11n-HT20, Ch 13)

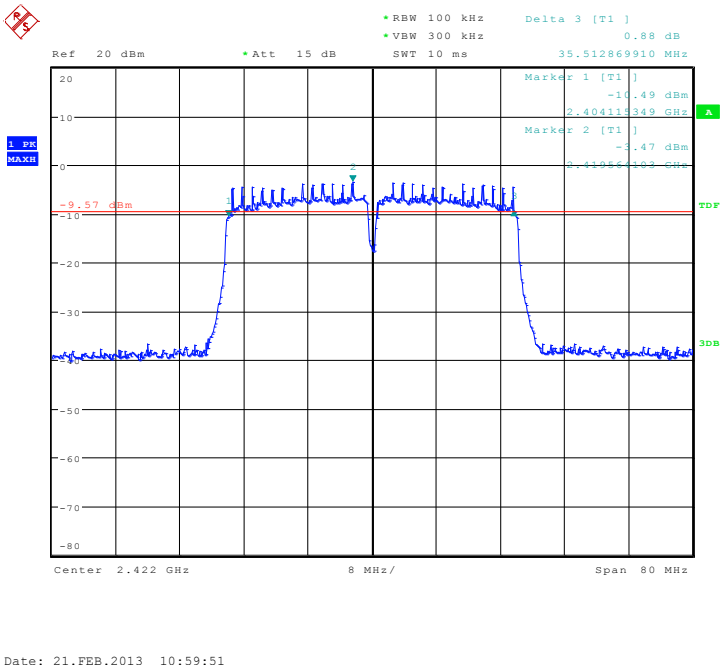

Fig. 36 Occupied 6dB Bandwidth (802.11n-HT40, Ch 3)

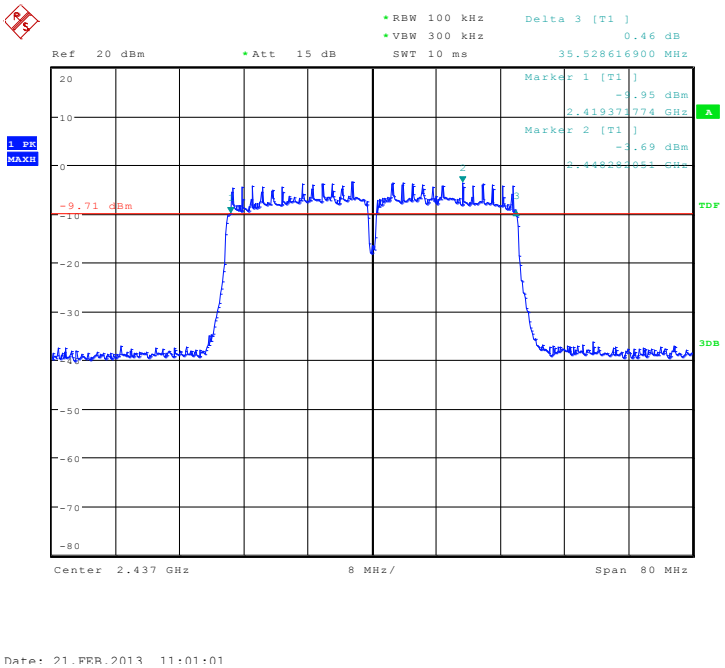

Fig. 37 Occupied 6dB Bandwidth (802.11n-HT40, Ch 6)

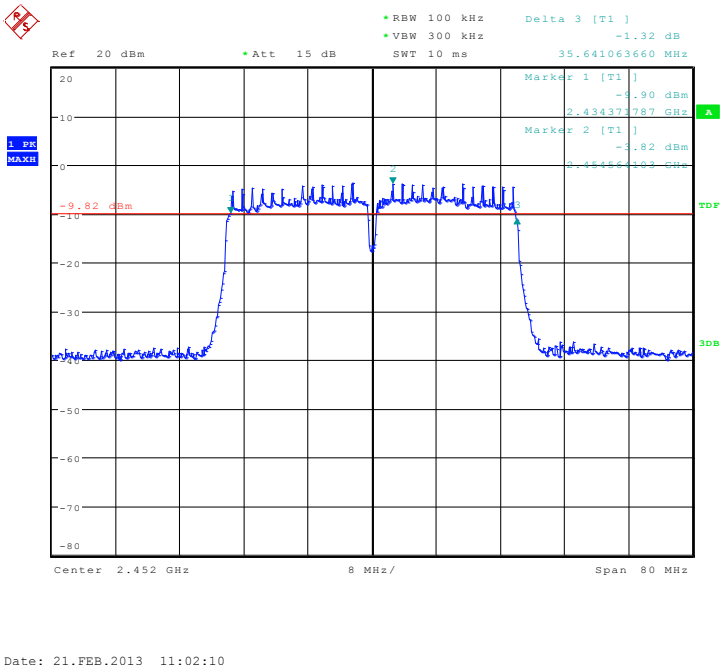

Fig. 38 Occupied 6dB Bandwidth (802.11n-HT40, Ch 9)

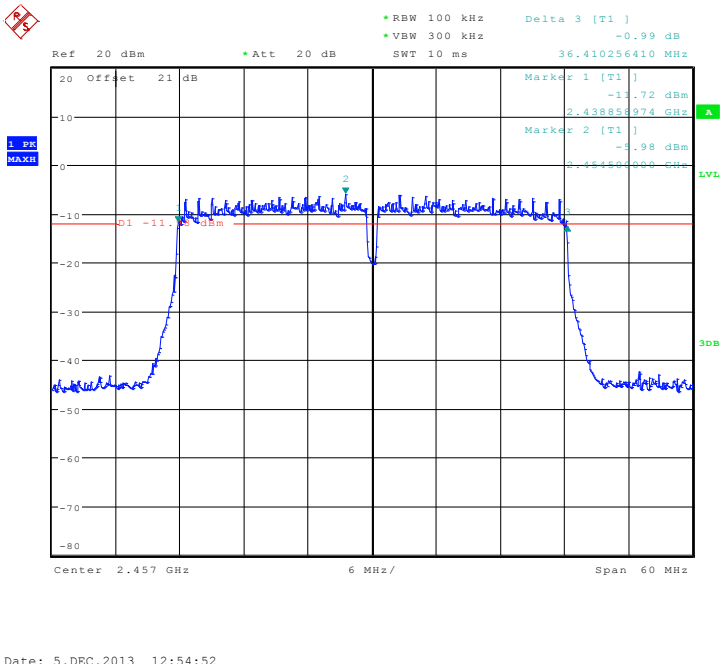

Fig. 39 Occupied 6dB Bandwidth (802.11n-HT40, Ch 10)

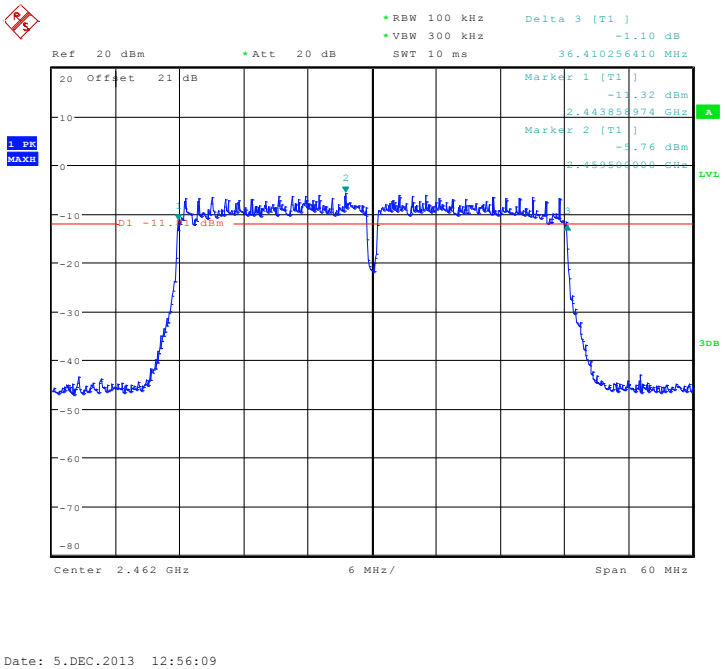

Fig. 40 Occupied 6dB Bandwidth (802.11n-HT40, Ch 11`)

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:

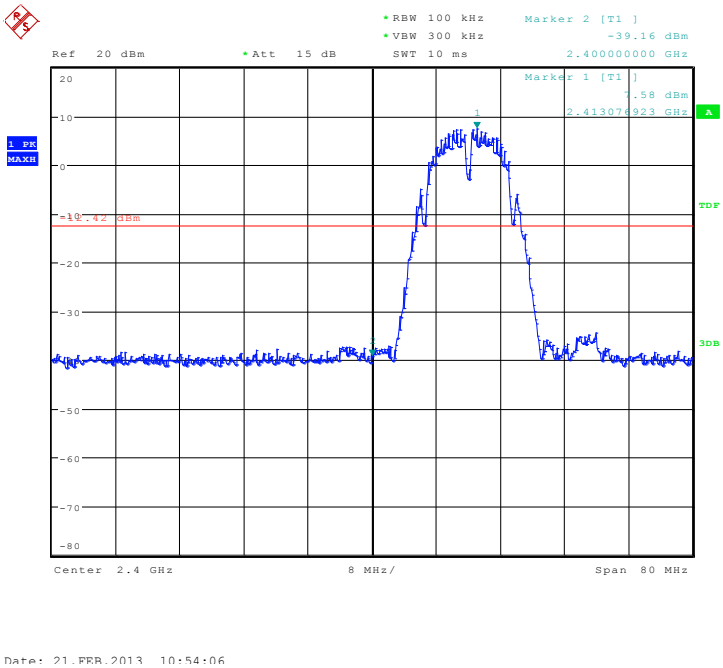

Fig. 41 Band Edges (802.11b, Ch 1)

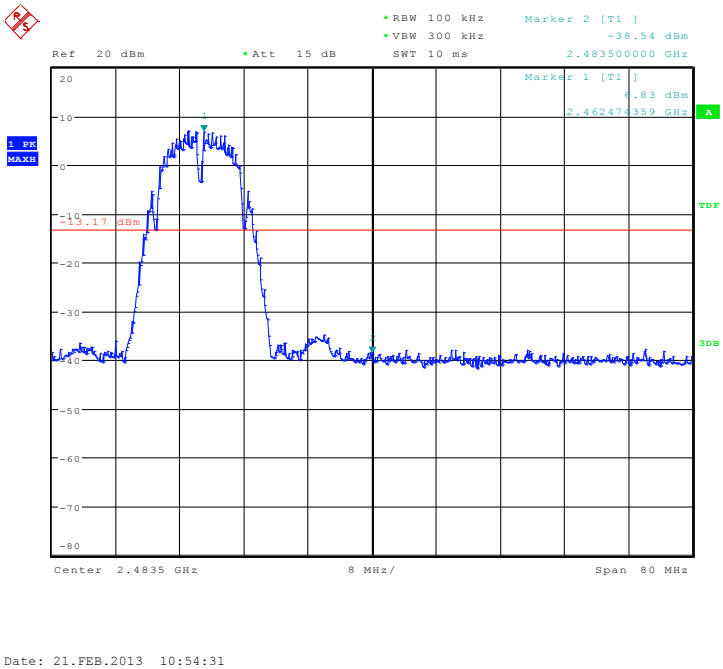

Fig. 42 Band Edges (802.11b, Ch 11)

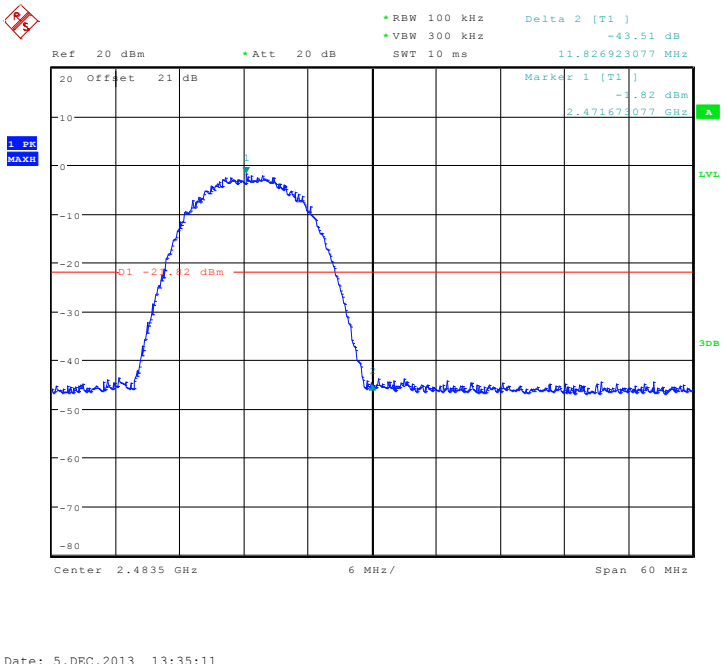

Fig. 43 Band Edges (802.11b, Ch 13)

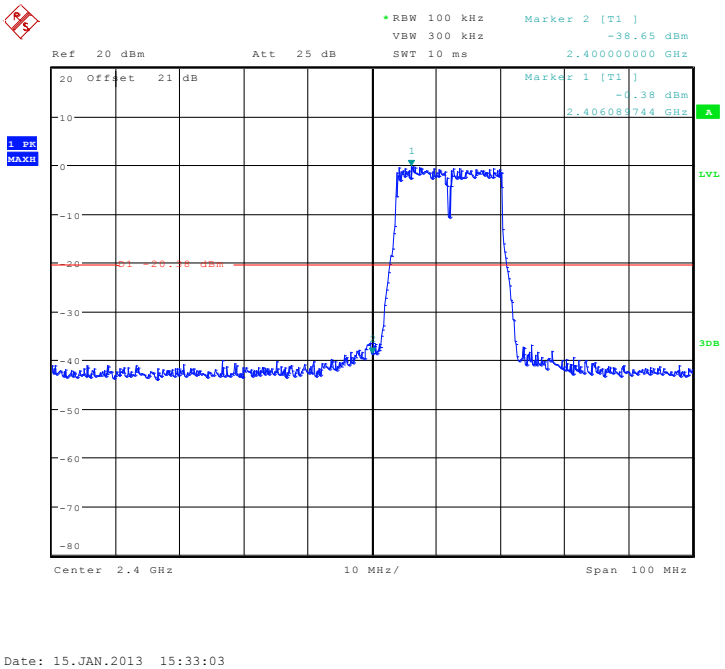

Fig. 44 Band Edges (802.11g, Ch 1)

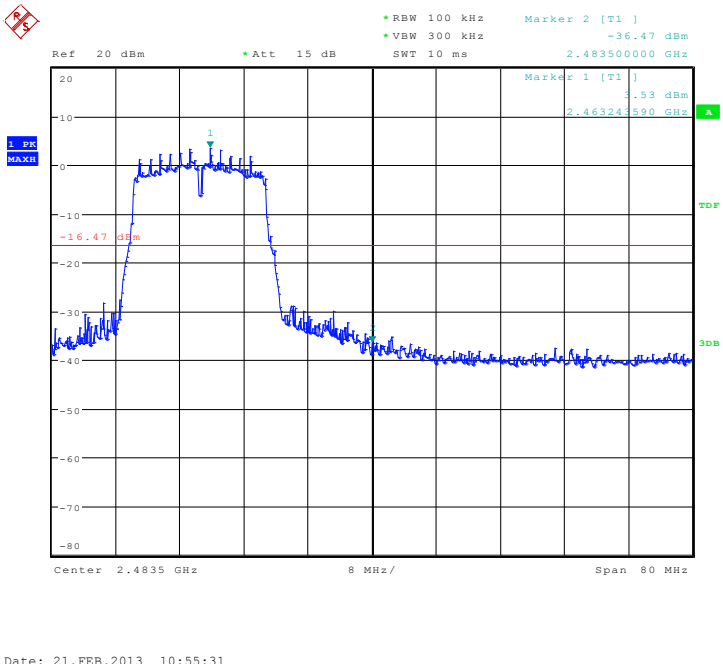

Fig. 45 Band Edges (802.11g, Ch 11)

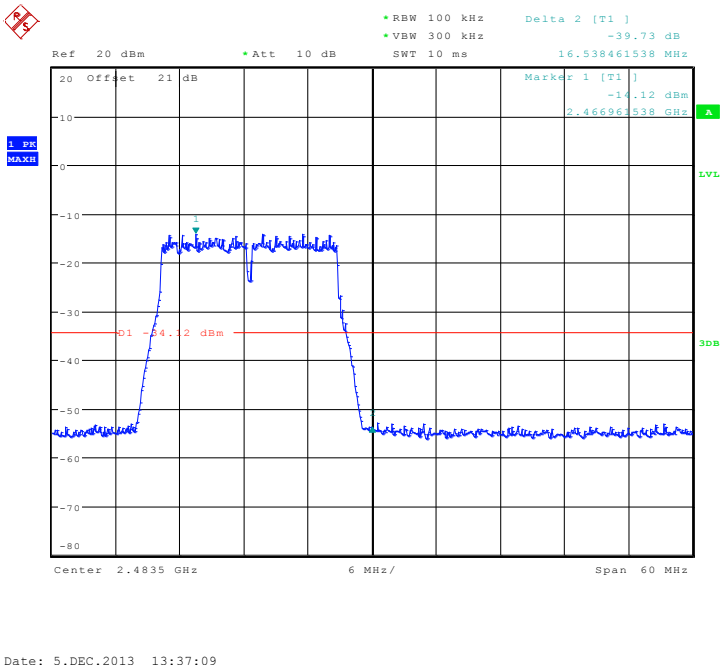

Fig. 46 Band Edges (802.11g, Ch 13)

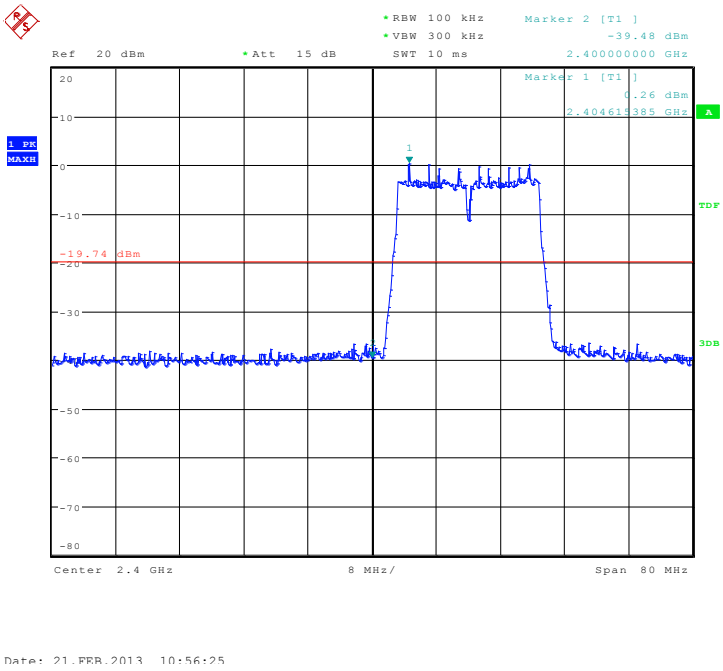

Fig. 47 Band Edges (802.11n-HT20, Ch 1)

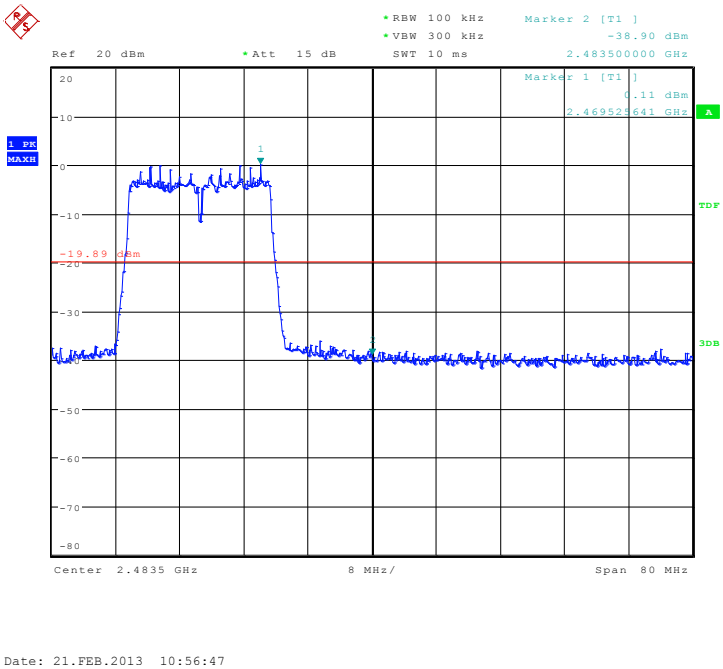

Fig. 48 Band Edges (802.11n-HT20, Ch 11)

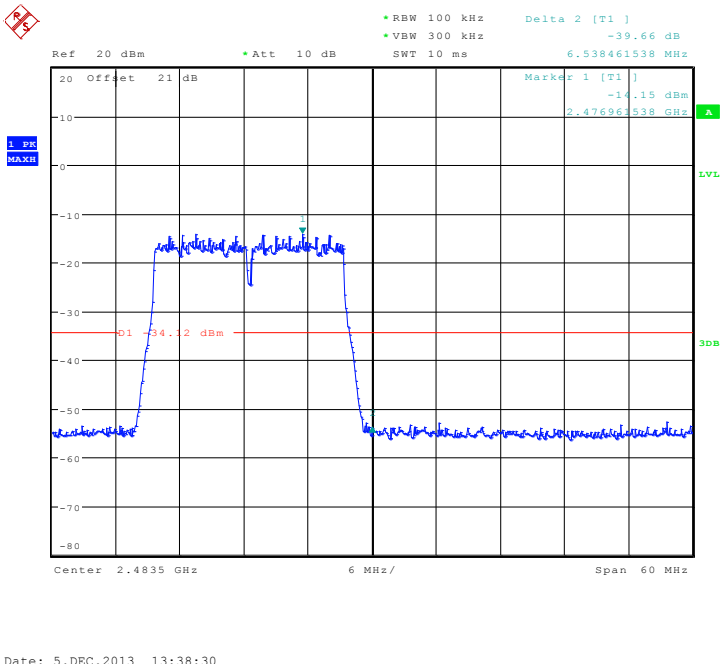

Fig. 49 Band Edges (802.11n-HT20, Ch 13)

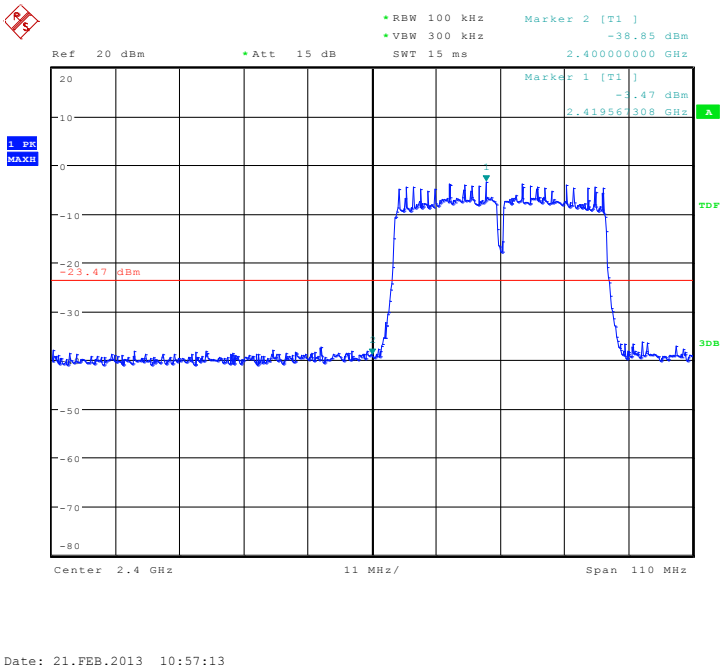

Fig. 50 Band Edges (802.11n-HT40, Ch 3)

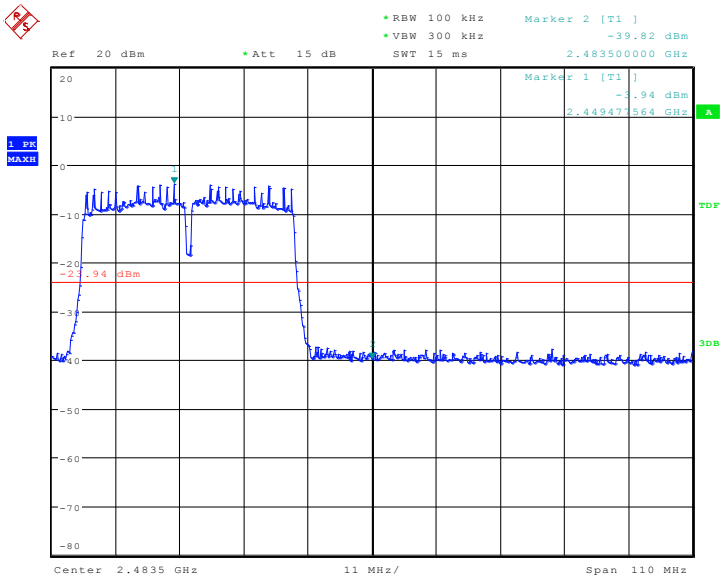

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Fig. 51 Band Edges (802.11n-HT40, Ch 9)

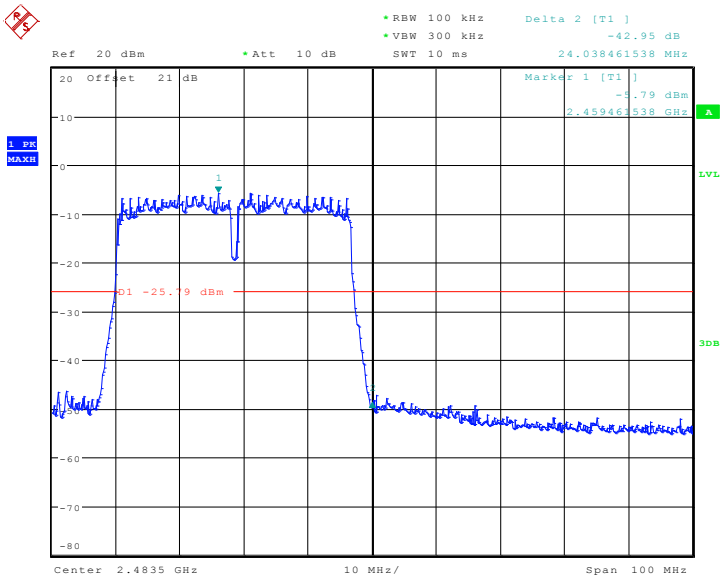

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Fig. 52 Band Edges (802.11n-HT40, Ch 11)

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:

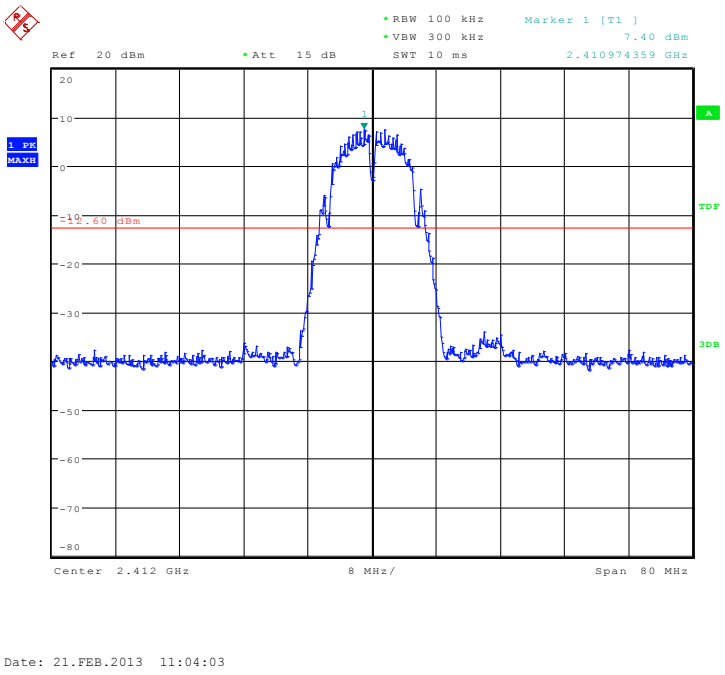

Fig. 53 Conducted Spurious Emission (802.11b, Ch1, Center Frequency)

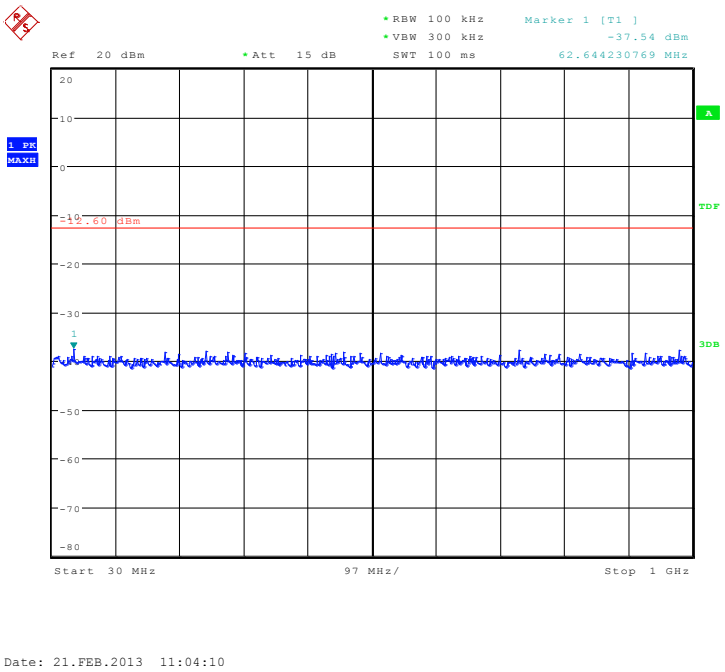

Fig. 54 Conducted Spurious Emission (802.11b, Ch1, 30 MHz-1 GHz)

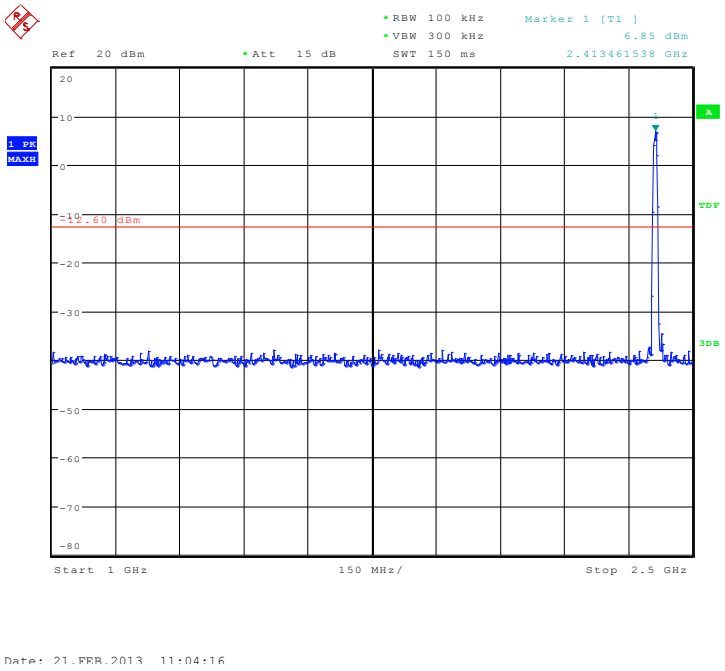

Fig. 55 Conducted Spurious Emission (802.11b, Ch1, 1 GHz-2.5 GHz)

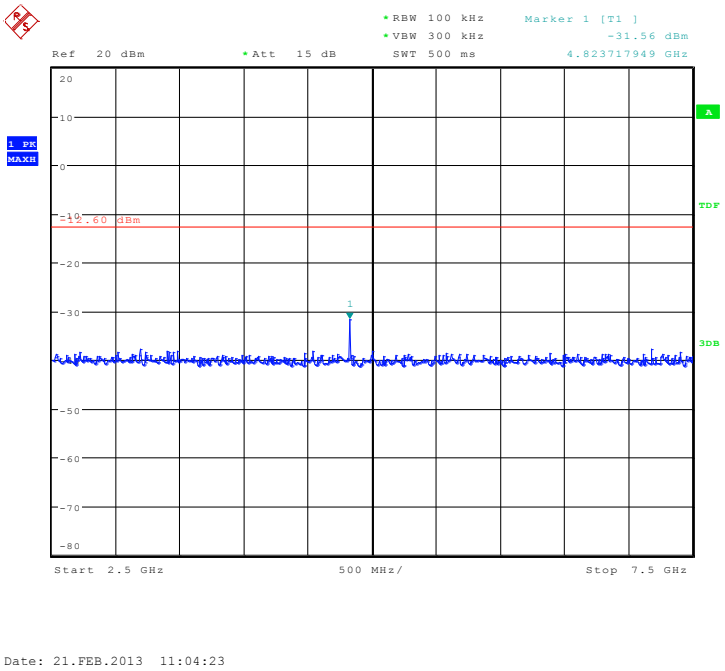

Fig. 56 Conducted Spurious Emission (802.11b, Ch1, 2.5 GHz-7.5 GHz)

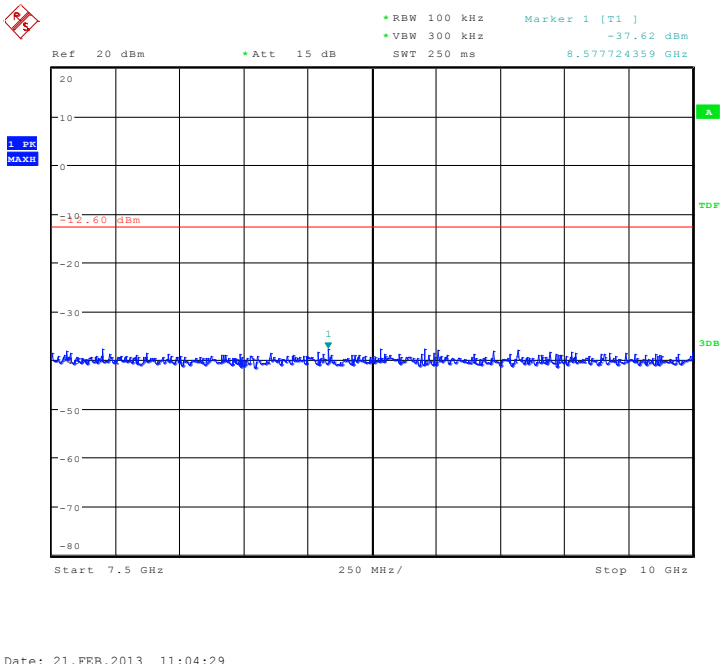

Fig. 57 Conducted Spurious Emission (802.11b, Ch1, 7.5 GHz-10 GHz)

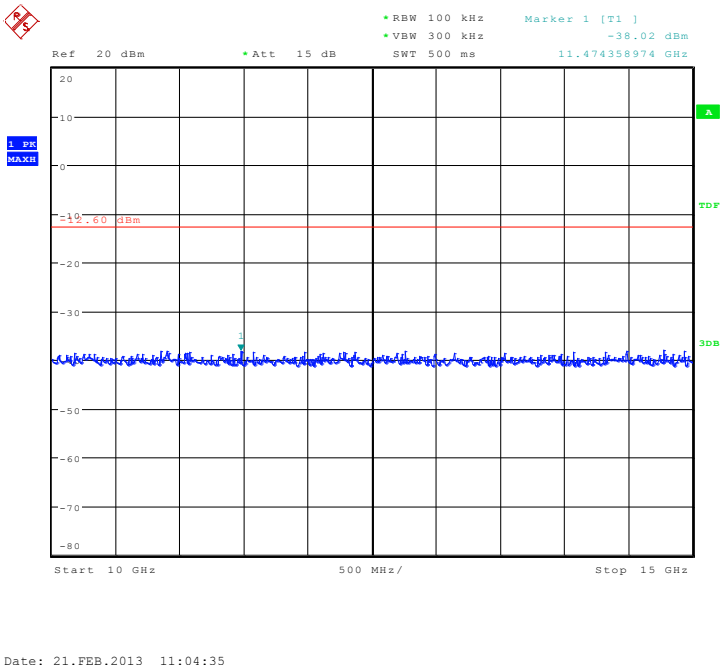

Fig. 58 Conducted Spurious Emission (802.11b, Ch1, 10 GHz-15 GHz)

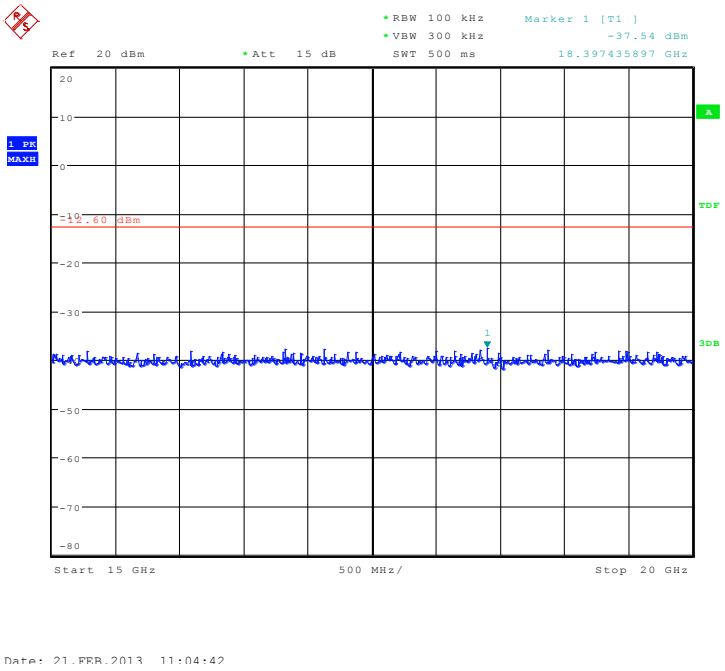

Fig. 59 Conducted Spurious Emission (802.11b, Ch1, 15 GHz-20 GHz)

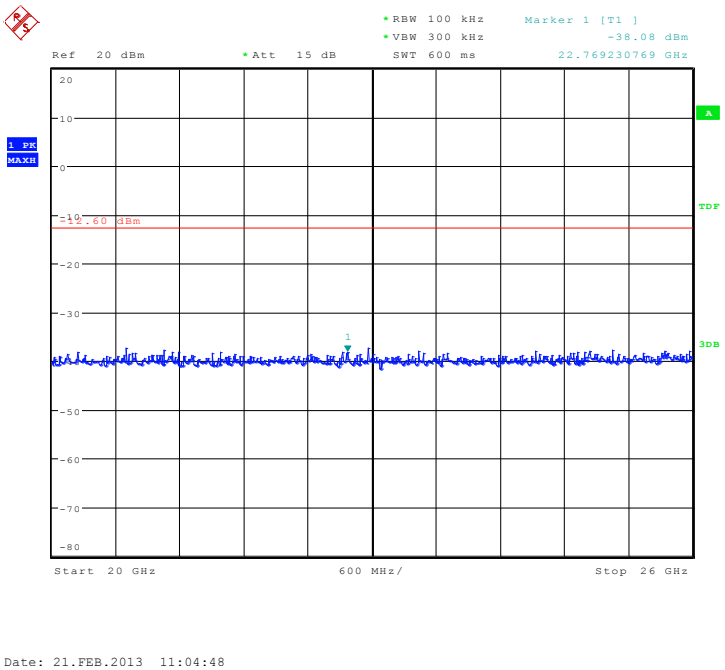

Fig. 60 Conducted Spurious Emission (802.11b, Ch1, 20 GHz-26 GHz)

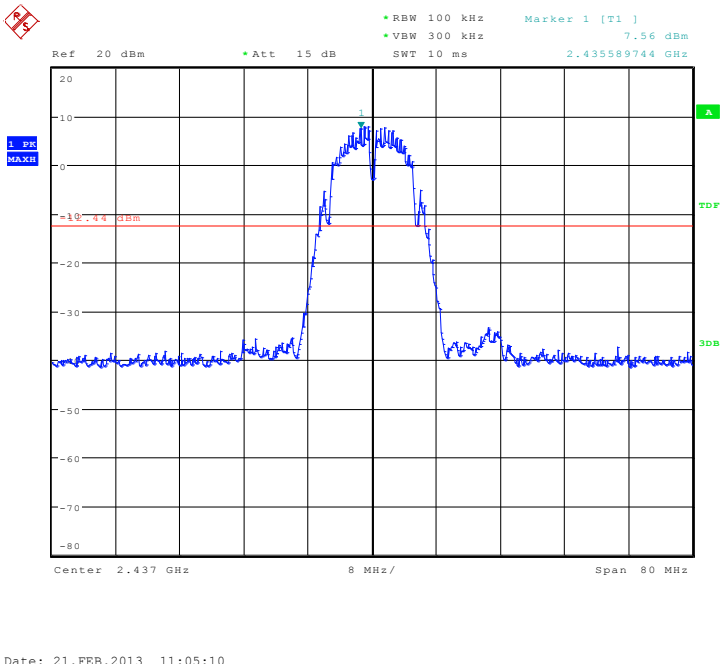

Fig. 61 Conducted Spurious Emission (802.11b, Ch6, Center Frequency)

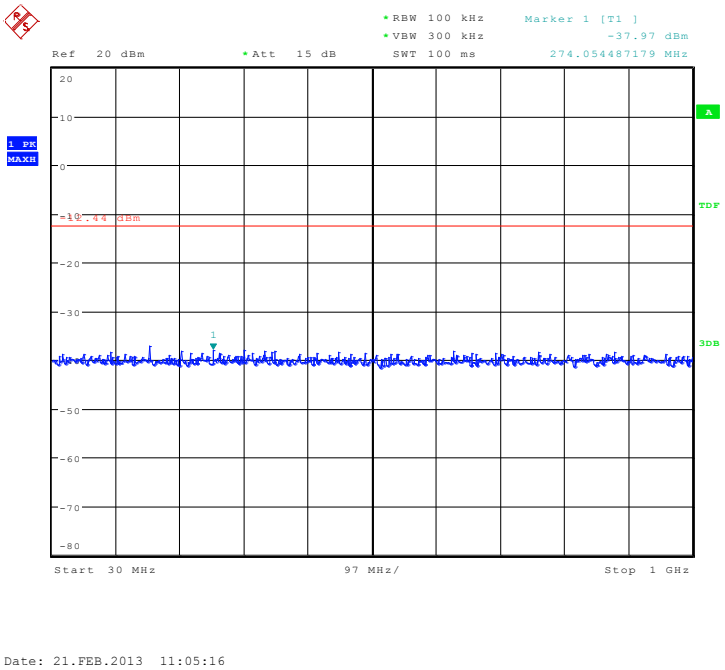

Fig. 62 Conducted Spurious Emission (802.11b, Ch6, 30 MHz-1 GHz)

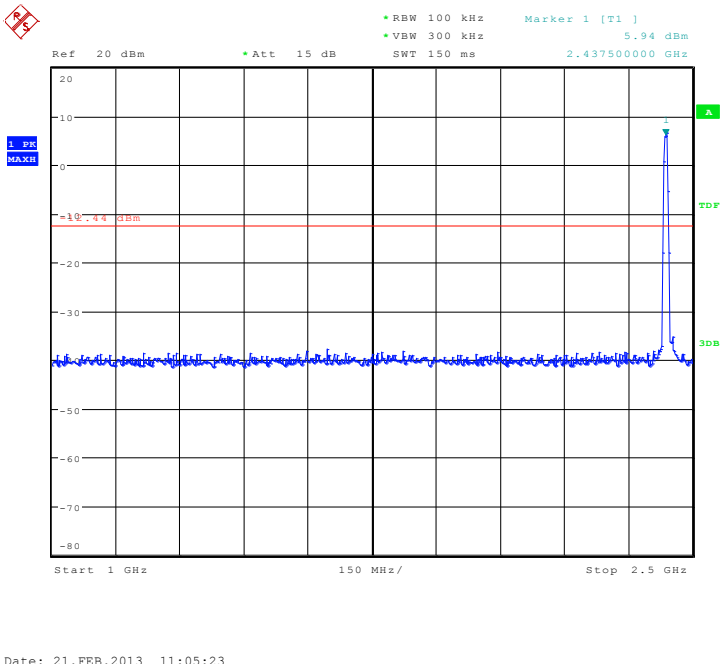

Fig. 63 Conducted Spurious Emission (802.11b, Ch6, 1 GHz-2.5 GHz)

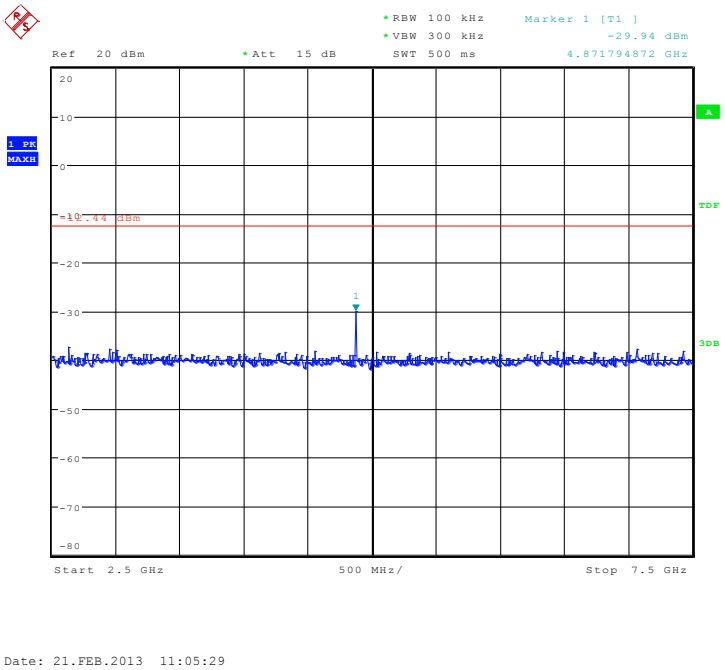

Fig. 64 Conducted Spurious Emission (802.11b, Ch6, 2.5 GHz-7.5 GHz)

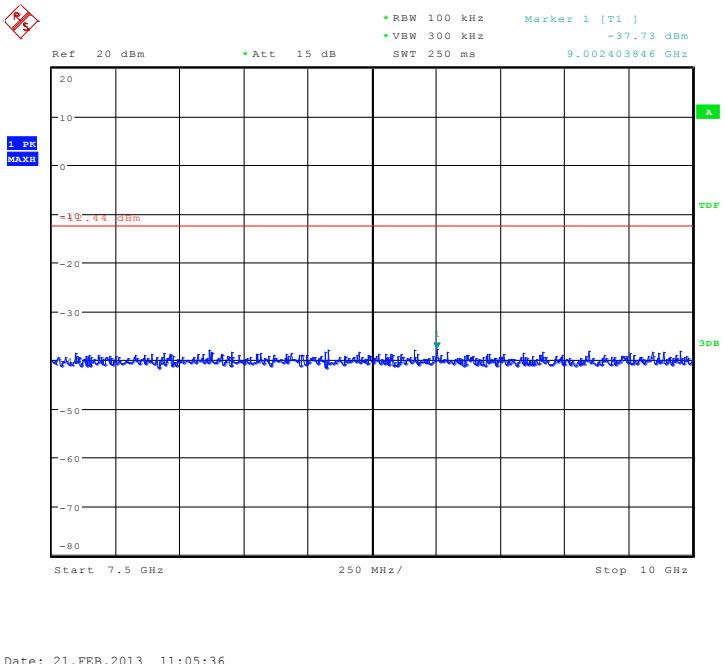

Fig. 65 Conducted Spurious Emission (802.11b, Ch6, 7.5 GHz-10 GHz)

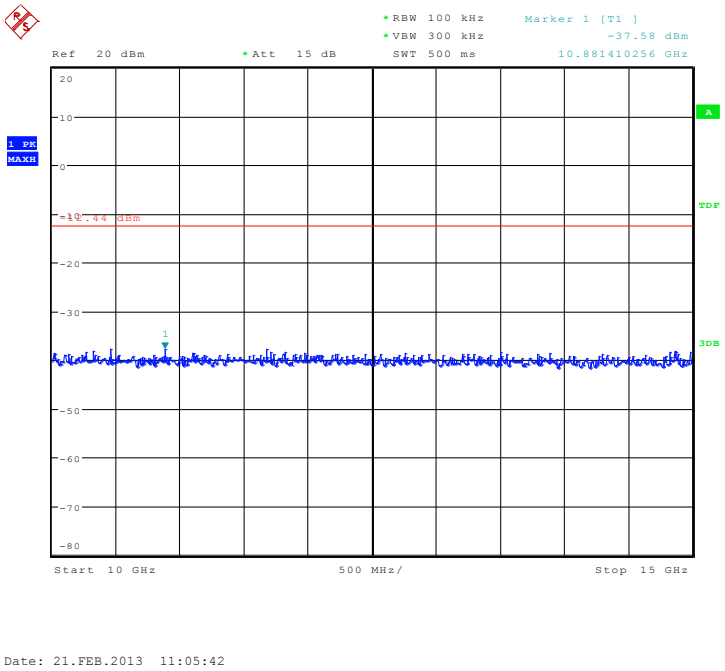

Fig. 66 Conducted Spurious Emission (802.11b, Ch6, 10 GHz-15 GHz)

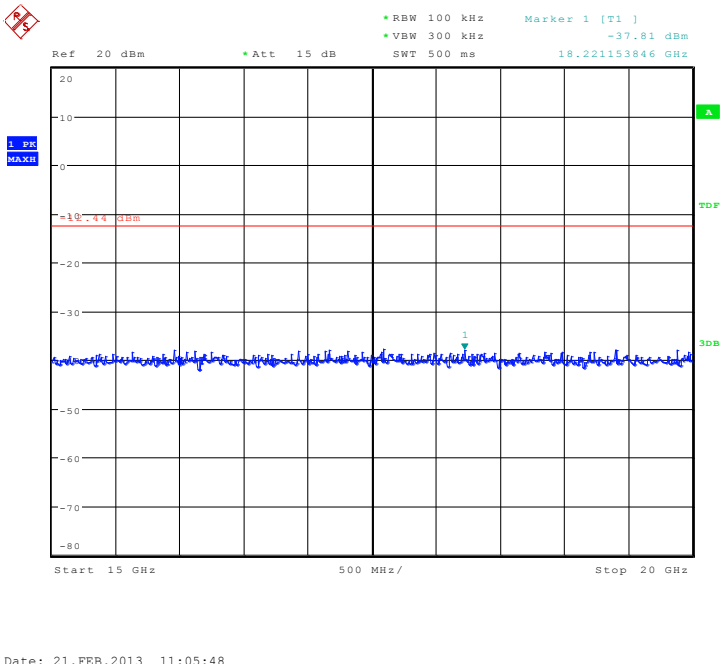

Fig. 67 Conducted Spurious Emission (802.11b, Ch6, 15 GHz-20 GHz)

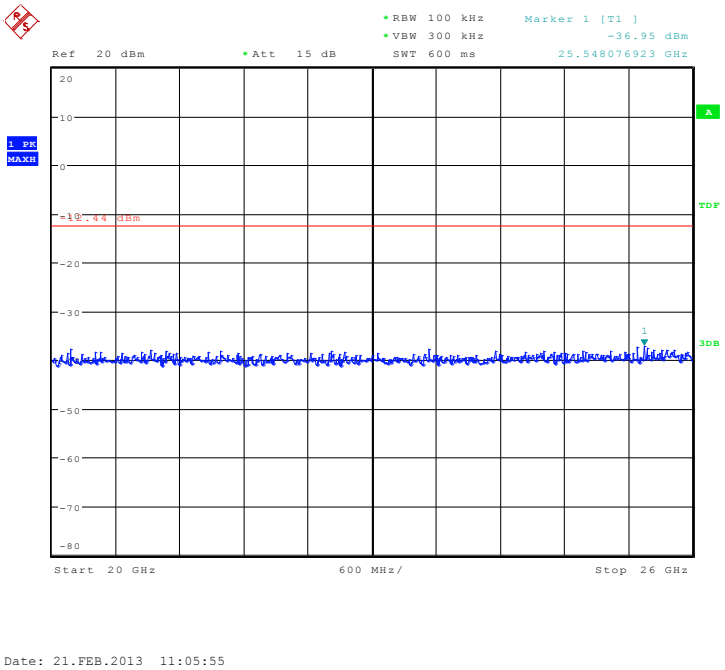

Fig. 68 Conducted Spurious Emission (802.11b, Ch6, 20 GHz-26 GHz)