

EMC TEST REPORT

Report No. : TS10080165-EME

Model No. : NBG4615

Issued Date : JAN. 13. 2011

Applicant: ZyXEL Communications Corporation
6, Innovation Rd II, Science-Based Industrial Park,
Hsin-Chu, Taiwan

**Test Method/
Standard:** 47 CFR FCC Part 15.247 & ANSI C63.4 2003

Test By: Intertek Testing Services Taiwan Ltd.
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1. Summary of Test Data

Test/Requirement Description	Applicable Rule	Result
Minimum 6dB Bandwidth	15.247(a)(2)	Pass
Maximum Output Power	15.247(b)	Pass
Power Spectral Density	15.247(e)	Pass
RF Antenna Conducted Spurious	15.247(d)	Pass
Radiated Spurious Emission	15.247(d), 15.205, 15.209	Pass
Emission on the Band Edge	15.247(d)	Pass
AC Power Line Conducted Emission	15.207	Pass

2. General Information

Identification of the EUT

Product: Wireless N Gigabit NetUSB Router
Model No.: NBG4615
FCC ID.: I88NBG4615
Frequency Range: 2412 MHz to 2462 MHz for 802.11b, 802.11g, 802.11n HT20
2422 MHz to 2452 MHz for 802.11n HT40

Channel Number: 11 channels for 802.11b, 802.11g, 802.11n HT20
7 channels for 802.11n HT40

Rated Power: DC 12 V from Adapter

Power Cord: N/A

Sample Received: Aug. 24, 2010

Test Date(s): Sep. 17, 2010 ~ Dec. 01, 2010

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Note 2: When determining the test conclusion, the Measurement Uncertainty of test has been considered.

Description of EUT

The EUT is a Wireless N Gigabit NetUSB Router, it's a 2Tx2Rx device.

There are two types of antenna for the device, one is 2 dBi dipole antenna, and another is 5 dBi dipole antenna.

For more detail features, please refer to User's manual as file name "Installation guide.pdf"

Antenna description

Antenna 0

The antenna is affixed to the EUT using a unique connector, which allows for replacement of a broken antenna, but DOES NOT use a standard antenna jack or electrical connector.

	Antenna type 1	Antenna type 2
Antenna Gain	: 2 dBi max	: 5 dBi max
Antenna Type	: Diople antenna	: Diople antenna
Connector Type	: SMA Reverse	: SMA Reverse

Antenna 1

The antenna is affixed to the EUT using a unique connector, which allows for replacement of a broken antenna, but DOES NOT use a standard antenna jack or electrical connector.

	Antenna type 1	Antenna type 2
Antenna Gain	: 2 dBi max	: 5 dBi max
Antenna Type	: Diople antenna	: Diople antenna
Connector Type	: SMA Reverse	: SMA Reverse

Adapter information

The EUT will be supplied with a power supply from below list:

No.	Brand	Model no.	Specification
Adapter 1	DVE	DSA-20CA-12 120150	I/P: 100-240 Vac, 50/60 Hz, 0.8A O/P: 12 Vdc, 1.5 A
Adapter 2	DVE	DSA-20PFE-12 FUS 120150	I/P: 100-240 Vac, 50/60 Hz, 0.7 A O/P: 12 Vdc, 1.5 A
Adapter 3	Powertron	PA1024-2HU	I/P: 100-240 Vac, 50-60 Hz, 0.6A O/P: 12 Vdc, 1.5 A

Operation mode

The EUT was supplied DC 12 V from adapter (Test voltage: 120Vac, 60Hz) and it was run in TX mode that was controlled by “QA” program.

The EUT was transmitted continuously during the test.

All the antennas were verified, the worst case was antenna gain 5 dBi.

All the adapters were verified, the worst case was adapter 2.

With individual verifying, the maximum output power was found out 1Mbps data rate for 802.11b mode and 6Mbps data rate for 802.11g mode, 6.5Mbps data rate for 802.11n HT 20 mode, 13Mbps data rate for 802.11n HT 40 mode. The final tests were executed under these conditions recorded in this report individually. Please refer the details below:

802.11b ch6 chain0

Data rate (Mbps)	PK(dBm)
1	14.93
2	14.87
5.5	14.70
11	14.65

802.11g ch6 chain0

Data rate (Mbps)	PK(dBm)
6	23.31
9	23.28
12	23.17
18	23.10
24	23.02
36	22.90
48	22.81
54	22.75

802.11n HT20 ch6 chain0

Data rate (Mbps)	PK(dBm)
6.5	22.95
13	22.88
19.5	22.80
26	22.75
39	22.63
52	22.54
58.5	22.40
65	22.35

802.11n HT40 ch6 chain0

Data rate Mbps	PK(dBm)
13	22.52
26	22.40
39	22.35
52	22.30
78	22.15
104	22.08
117	21.95
130	21.85

3. Maximum 6 dB Bandwidth

Name of Test	Maximum 6dB Bandwidth
Base Standard	FCC 15.247 (a)(2)

Test Result: Complies
Measurement Data: See Table & plots below

Method of Measurement:

Reference FCC document: KDB558074

A portion of the transmitted signal is coupled to a Spectrum Analyzer with a resolution bandwidth of at least 1 % of the bandwidth of the transmitted signal. The resolution bandwidth is chosen so as not to reduce the peak level of the measured waveform. The appropriate bandwidth mask is applied to the output waveform to verify compliance.

Note: Once the reference level is established, the equipment is conditioned with typical modulating signals to produce the worse case (i.e., the widest) bandwidth.

Test Diagram:

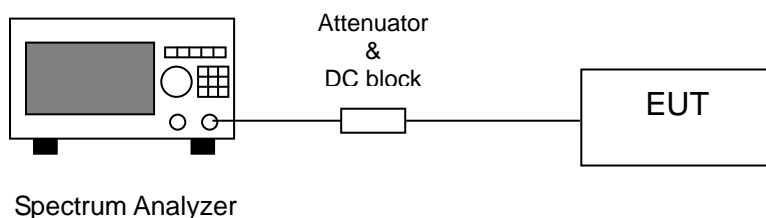


Table 1. Maximum 6dB Bandwidth

Single TX

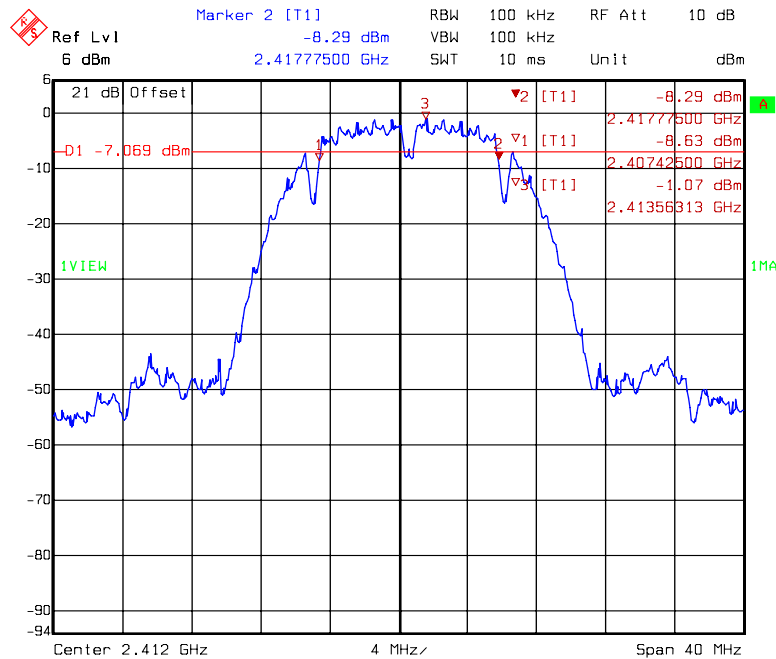
Mode	Channel	Frequency (MHz)	Data rate Mbps	6dB Bandwidth(MHz)	Limit (MHz)
				DAC0	
802.11b	1	2412	1	10.35	0.5
	6	2437		10.30	0.5
	11	2462		11.25	0.5
802.11g	1	2412	6	16.70	0.5
	6	2437		16.55	0.5
	11	2462		16.85	0.5

Mode	Channel	Frequency (MHz)	Data rate Mbps	6dB Bandwidth(MHz)	Limit (MHz)
				DAC1	
802.11g	1	2412	6	16.70	0.5
	6	2437		16.625	0.5
	11	2462		16.625	0.5

2TX

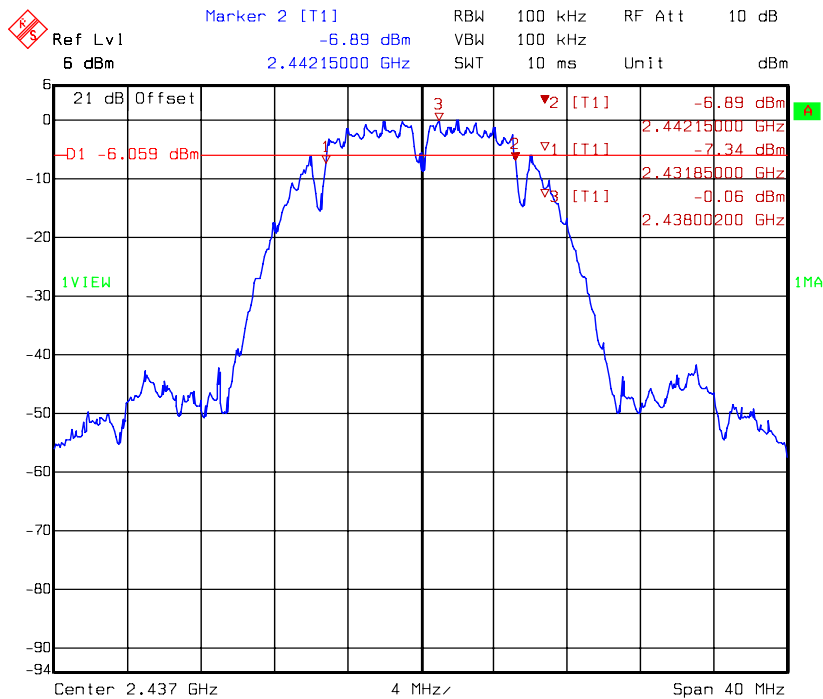
Mode	Channel	Frequency (MHz)	Data rate Mbps	6dB Bandwidth (MHz)		Limit (MHz)
				DAC0	DAC1	
802.11n (HT20)	1	2412	6.5	17.65	17.65	0.5
	6	2437		17.65	17.65	0.5
	11	2462		17.65	17.65	0.5
802.11n (HT40)	3	2422	13	36.275	36.275	0.5
	6	2437		36.425	36.6	0.5
	9	2452		36.275	36.6	0.5

Chain 0: 6dB Bandwidth @ 802.11b mode channel 1



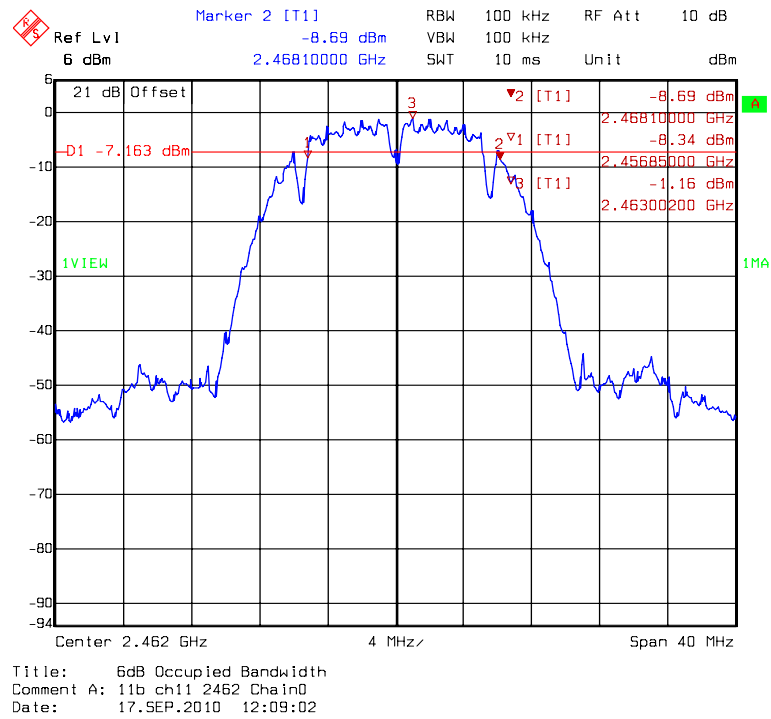
Title: 6dB Occupied Bandwidth
Comment A: 11b ch1 2412 Chain0
Date: 17.SEP.2010 11:55:31

Chain 0: 6dB Bandwidth @ 802.11b mode channel 6

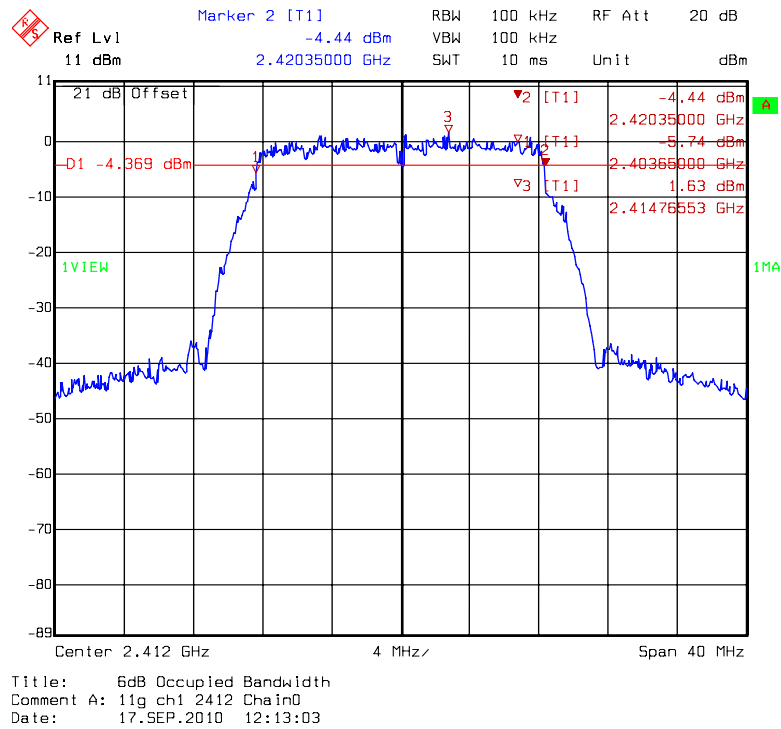


Title: 6dB Occupied Bandwidth
Comment A: 11b ch6 2437 Chain0
Date: 17.SEP.2010 12:05:32

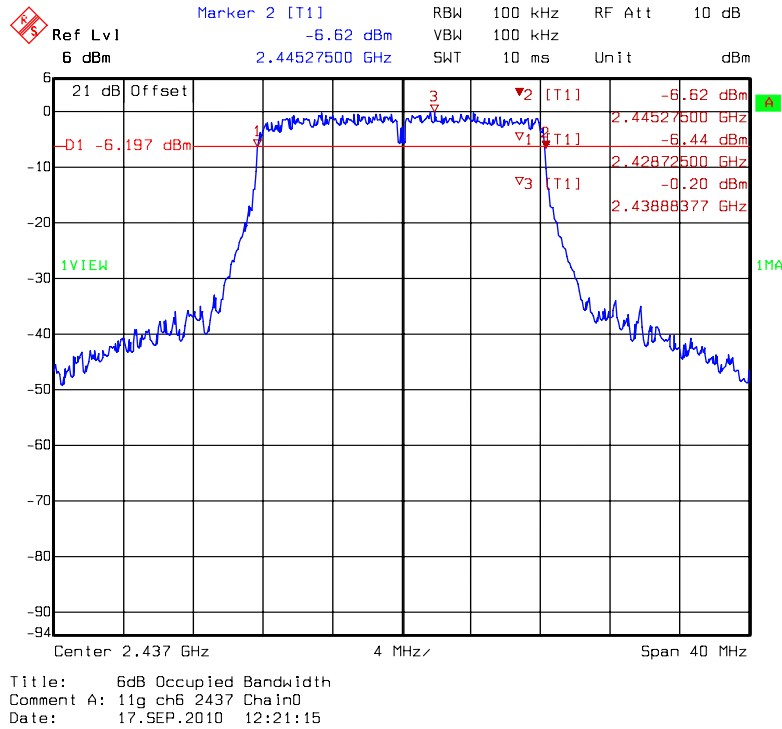
Chain 0: 6dB Bandwidth @ 802.11b mode channel 11



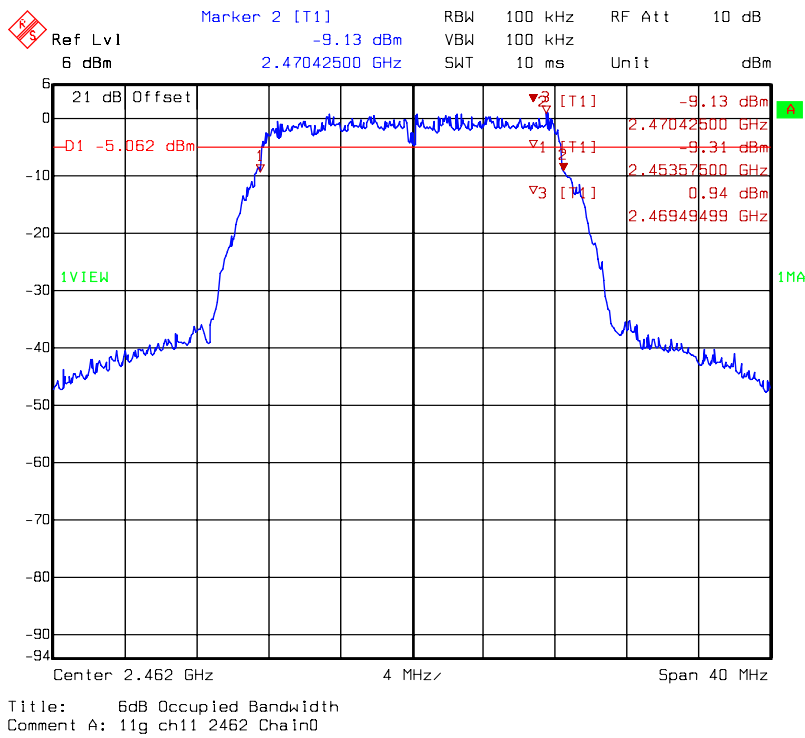
Chain 0: 6dB Bandwidth @ 802.11g mode channel 1



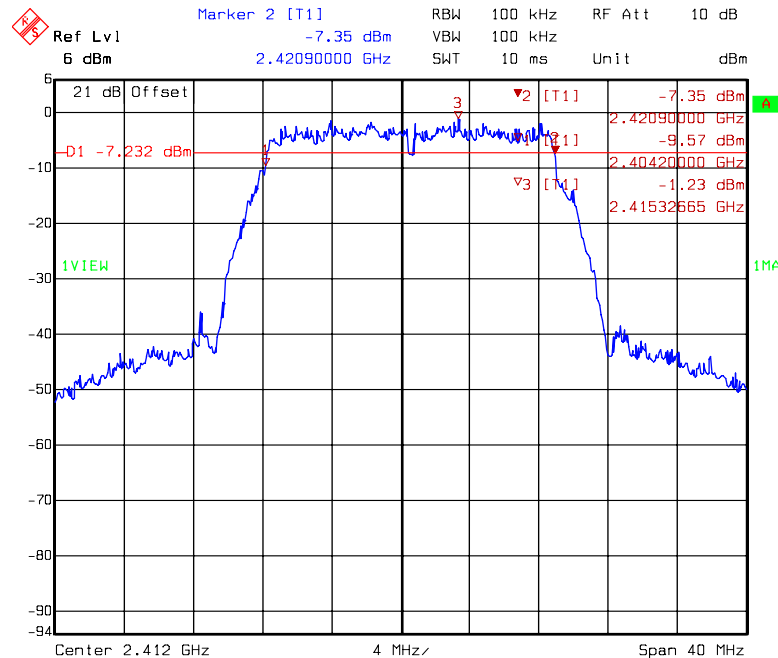
Chain 0: 6dB Bandwidth @ 802.11g mode channel 6



Chain 0: 6dB Bandwidth @ 802.11g mode channel 11

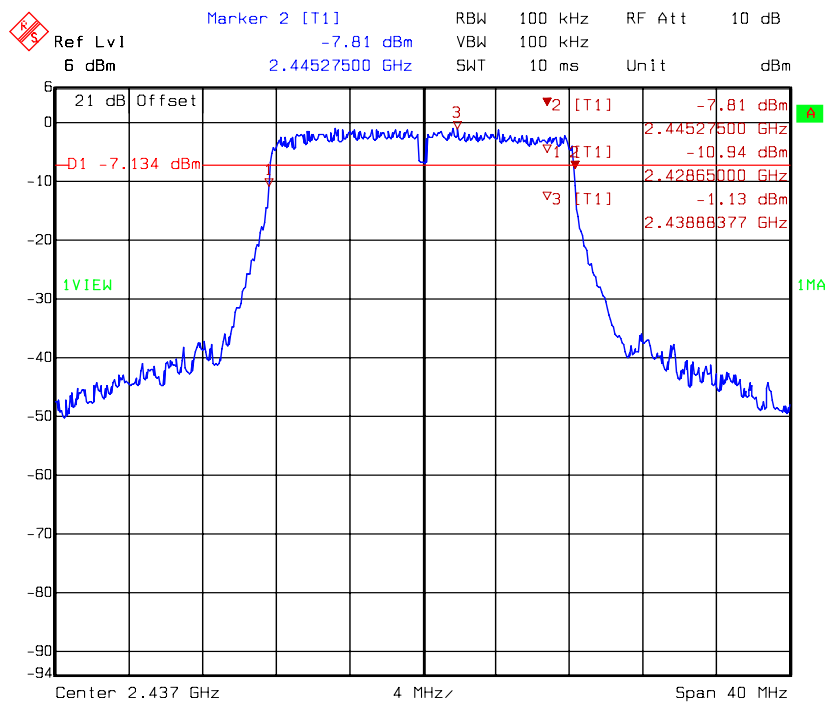


Chain 1: 6dB Bandwidth @ 802.11g mode channel 1



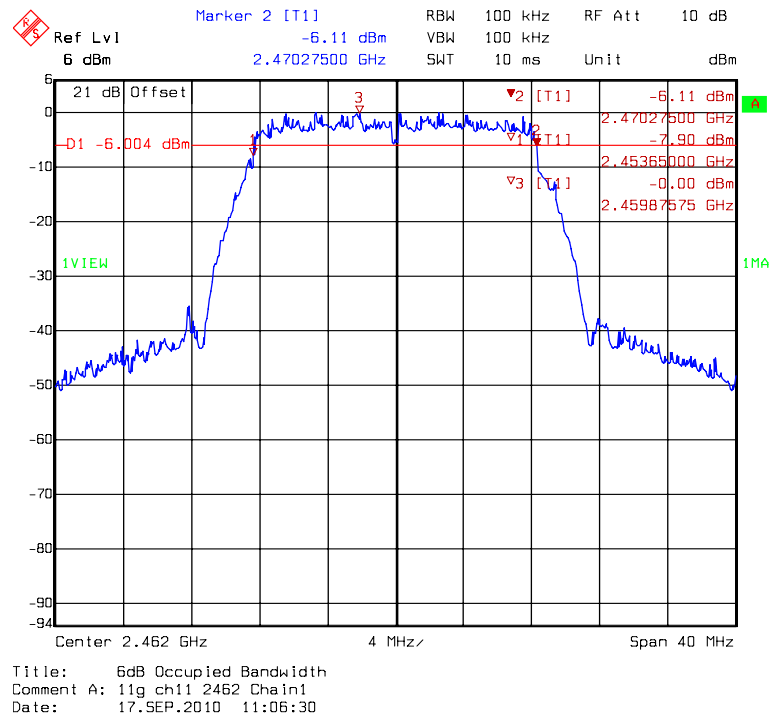
Title: 6dB Occupied Bandwidth
Comment A: 11g ch1 2412 Chain1
Date: 17.SEP.2010 10:57:05

Chain 1: 6dB Bandwidth @ 802.11g mode channel 6

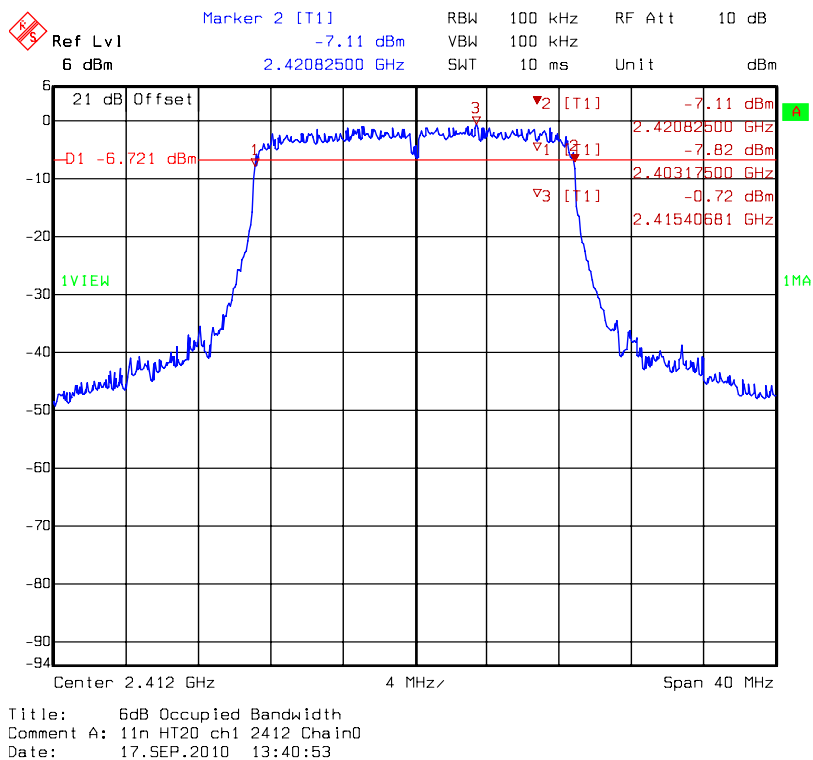


Title: 6dB Occupied Bandwidth
Comment A: 11g ch6 2437 Chain1
Date: 17.SEP.2010 11:01:30

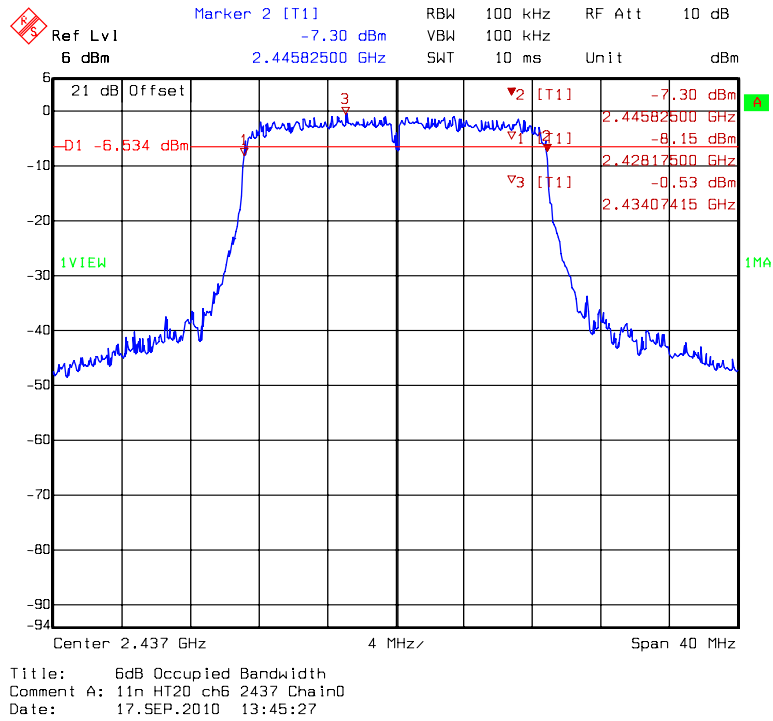
Chain 1: 6dB Bandwidth @ 802.11g mode channel 11



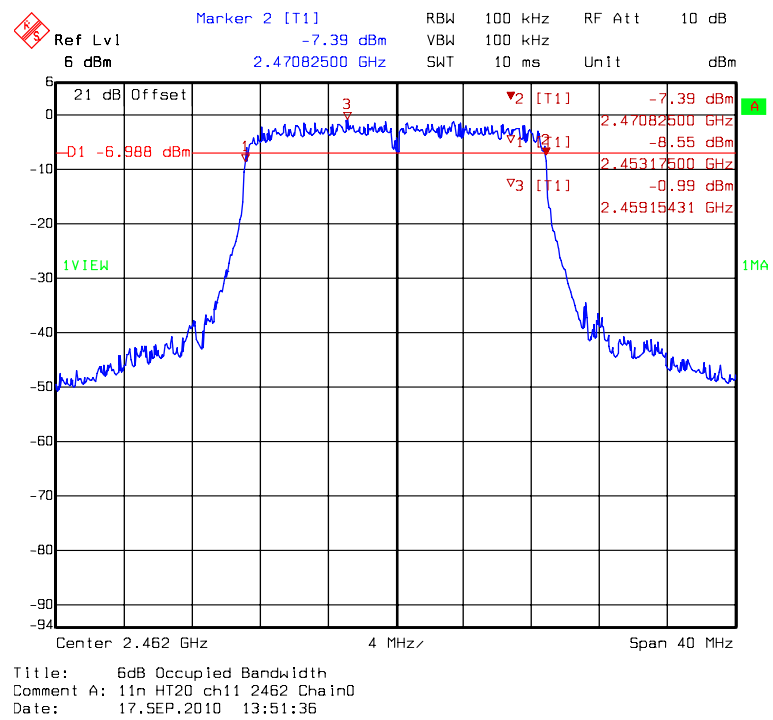
Chain 0: 6dB Bandwidth @ 802.11n HT20 mode channel 1



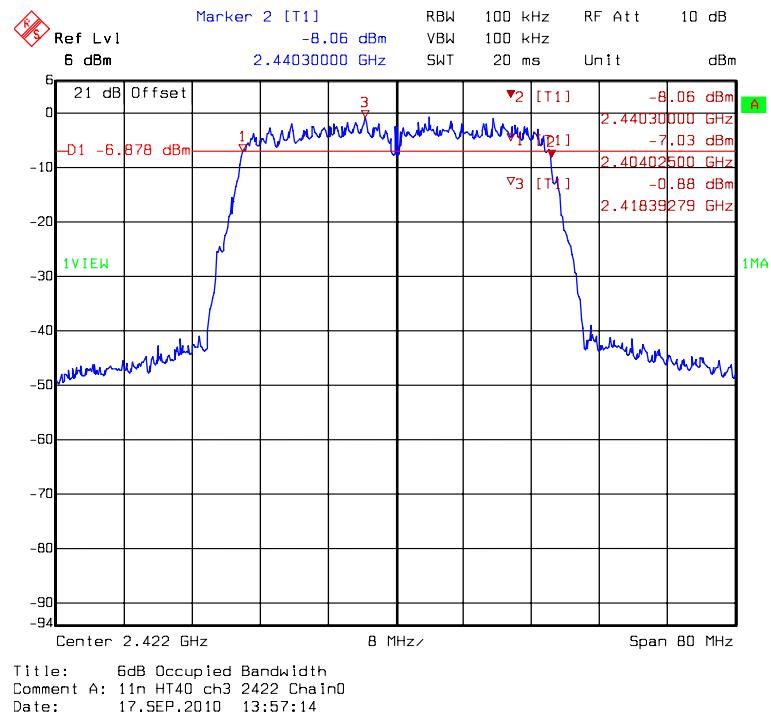
Chain 0: 6dB Bandwidth @ 802.11n HT20 mode channel 6



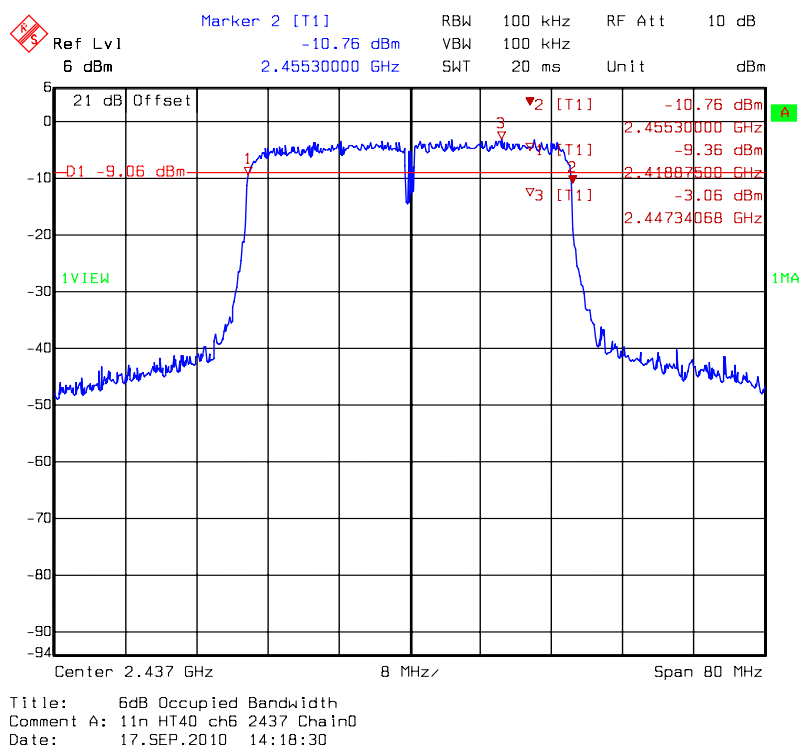
Chain 0: 6dB Bandwidth @ 802.11n HT20 mode channel 11



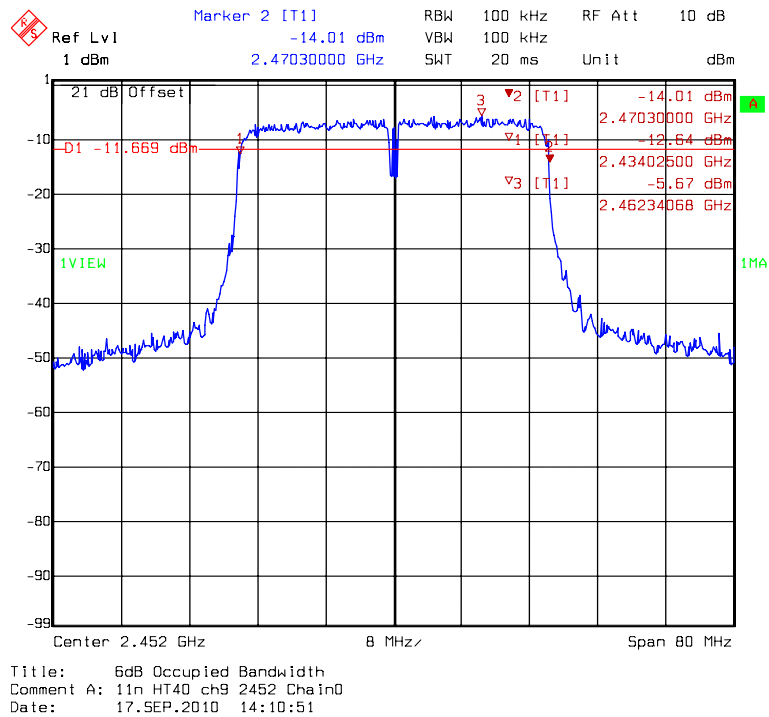
Chain 0: 6dB Bandwidth @ 802.11n HT40 mode channel 3



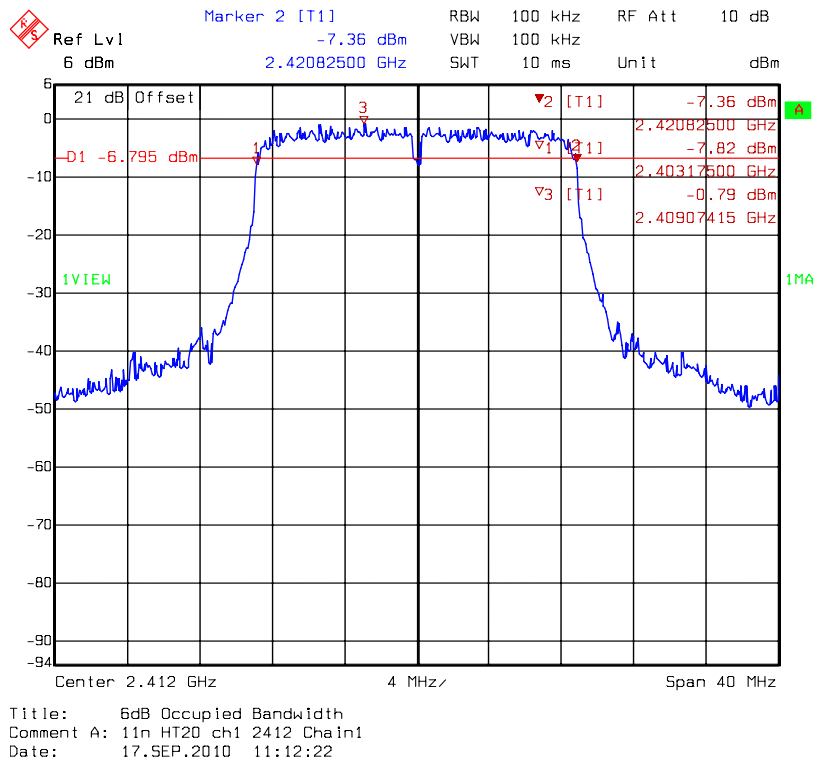
Chain 0: 6dB Bandwidth @ 802.11n HT40 mode channel 6



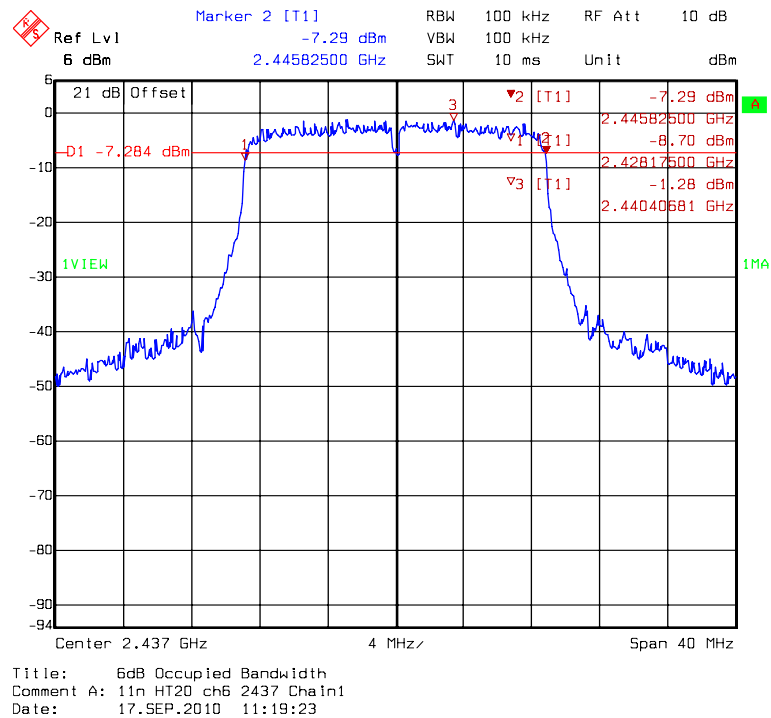
Chain 0: 6dB Bandwidth @ 802.11n HT40 mode channel 9



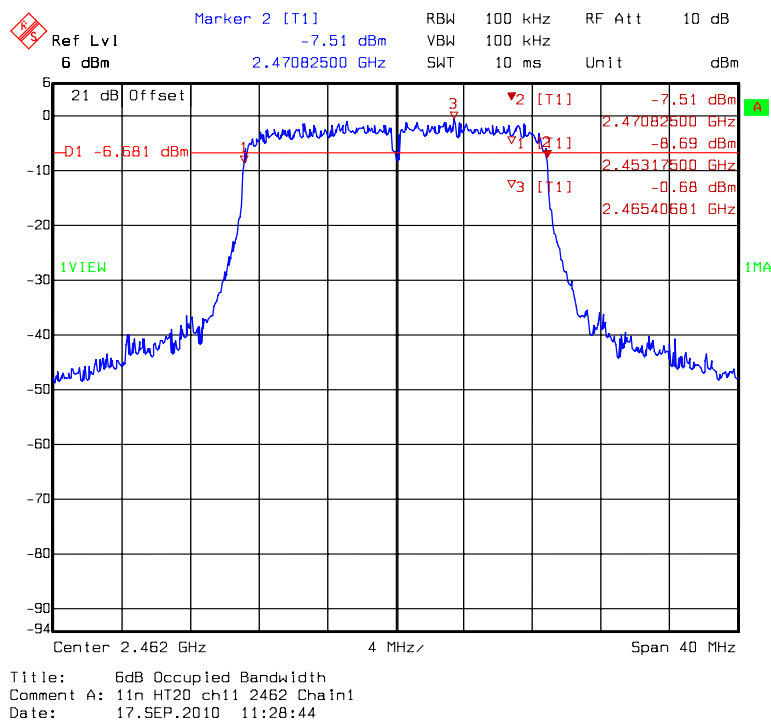
Chain 1: 6dB Bandwidth @ 802.11n HT20 mode channel 1



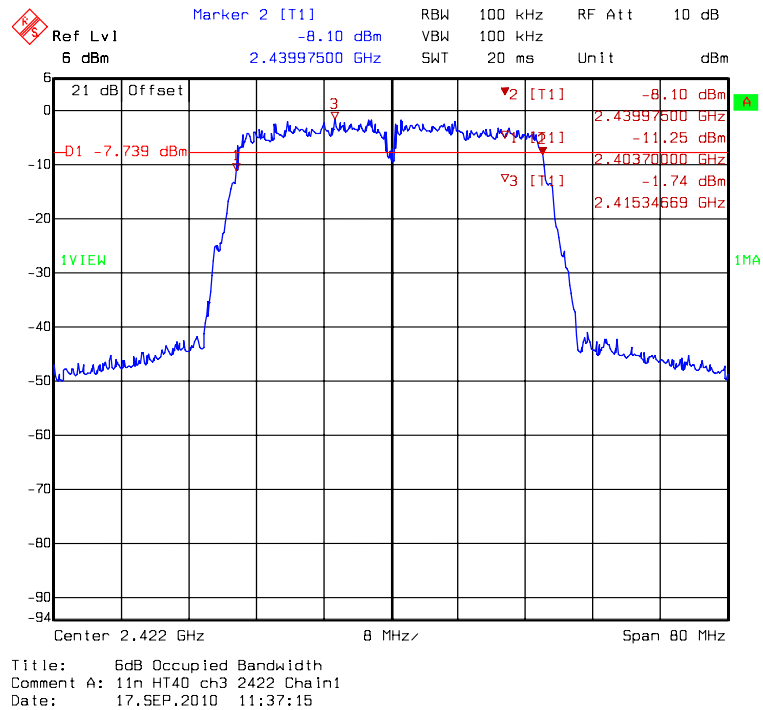
Chain 1: 6dB Bandwidth @ 802.11n HT20 mode channel 6



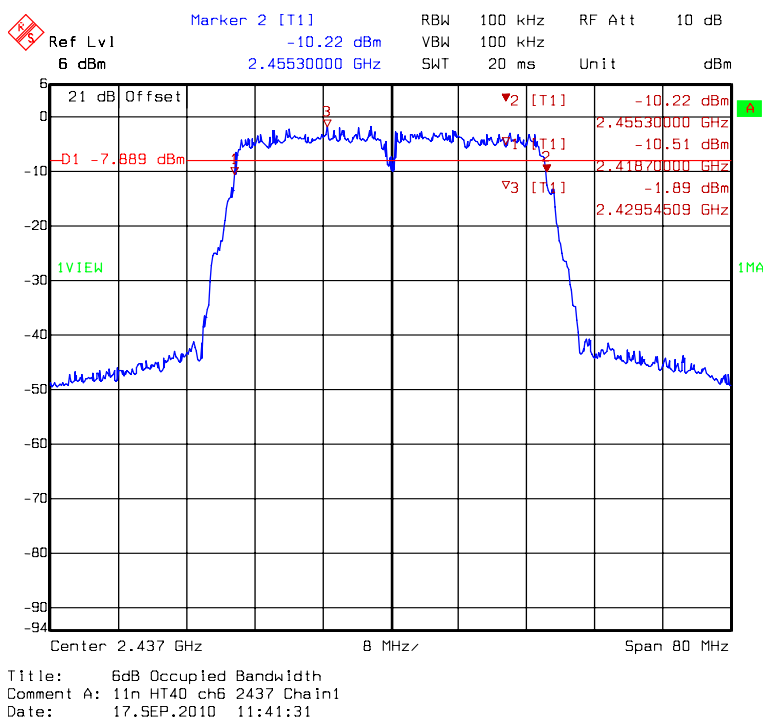
Chain 1: 6dB Bandwidth @ 802.11n HT20 mode channel 11



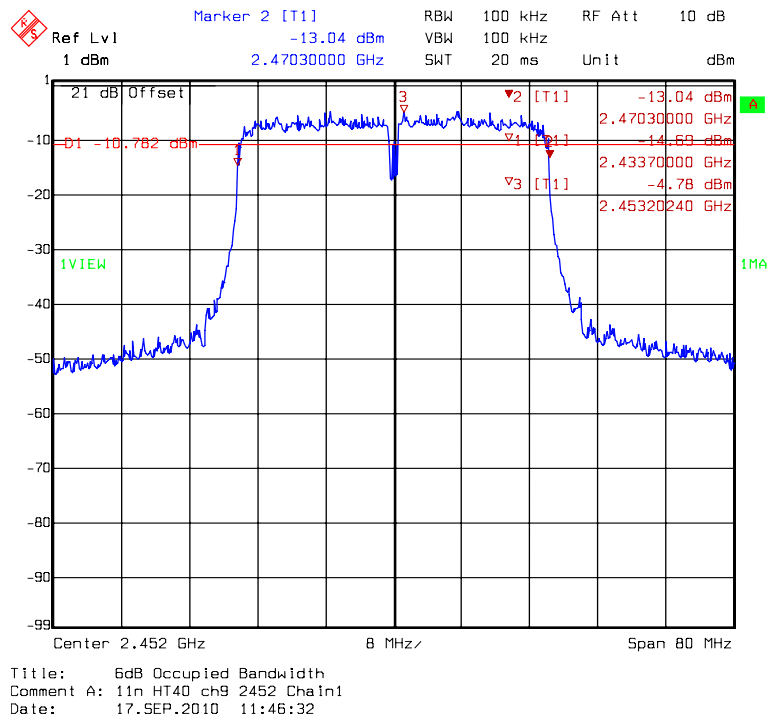
Chain 1: 6dB Bandwidth @ 802.11n HT40 mode channel 3



Chain 1: 6dB Bandwidth @ 802.11n HT40 mode channel 6



Chain 1: 6dB Bandwidth @ 802.11n HT40 mode channel 9



4. Maximum Output Power

Name of Test	Maximum output power
Base Standard	FCC 15.247(b)

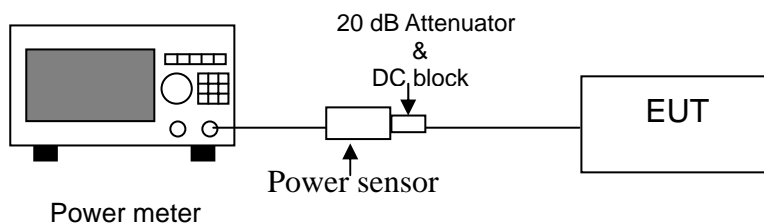
Measurement Uncertainty: ± 0.392 dB (k=2)
Test Result: Complies
Measurement Data: See Table below

Method of Measurement:

Reference FCC document: KDB558074

The power output was measured on the EUT using a 50 ohm SMA Cable connected to peak power meter via power sensor. Connect 20 dB attenuator and DC block at the input port of the power sensor. Measure conducted transmit power of at each antenna port ,besides another ports were terminated by 50 ohm and sum these power in linear power units,Power output was measured with the maximum rated input level.

Test Diagram:



Note 1: §15.247 (b) (4) Except as shown in paragraphs (b)(3) (i), (ii) and (iii) of this section, if transmitting antennas of directional gain greater than 6 dBi are used the peak output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1) or (b)(2) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note 2: §15.247 (b) (4) (ii) Systems operating in the 5725–5850 MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter peak output power.

Table 3. Maximum output power

Single Tx

Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Output Power (PK)	Total Power (PK) (mw)	Limit (dBm)
				(dBm)		
				DAC0		
802.11b	1	2412	1	14.10	25.70	30
	6	2437		14.93	31.12	30
	11	2462		13.94	24.77	30
802.11g	1	2412	6	23.39	218.27	30
	6	2437		23.31	214.29	30
	11	2462		23.05	201.84	30

Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Output Power (PK)	Total Power (PK) (mw)	Limit (dBm)
				(dBm)		
				DAC1		
802.11g	1	2412	6	20.75	118.85	30
	6	2437		22.83	191.87	30
	11	2462		22.90	194.98	30

2Tx

Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Output Power (dBm)		Total Power (PK)		Limit (dBm)
				DAC0	DAC1			
				PK	PK	mW	dBm	
802.11n (HT20)	1	2412	6.5	23.33	23.41	434.56	26.38	30
	6	2437		22.95	22.98	395.85	25.98	30
	11	2462		22.91	22.21	361.78	25.58	30
802.11n (HT40)	3	2422	13	22.81	22.26	359.25	25.55	30
	6	2437		22.52	22.04	338.60	25.30	30
	9	2452		20.67	20.81	237.18	23.75	30

5. Power Spectral Density

Name of Test	Power Spectral Density
Base Standard	FCC 15.247(e)

Test Result: Complies
Measurement Data: See Table & plots below

Method of Measurement:

Reference FCC document: KDB558074

The power spectrum density was measured from the antenna port of the EUT using a 50 ohm spectrum analyzer. Locate and zoom in on emission peak(s) within the passband. Set RBW = 3 kHz, VBW > RBW, sweep= 500s. The peak level measured must be no greater than + 8 dBm. Power spectrum density was read directly and cable loss (1 dB)/external attenuator (20 dB) correction was added to the reading to obtain power at the EUT antenna terminals.

Test Diagram:

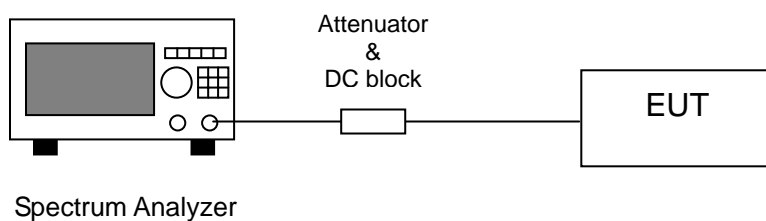


Table 4. Power Spectral Density

Single TX

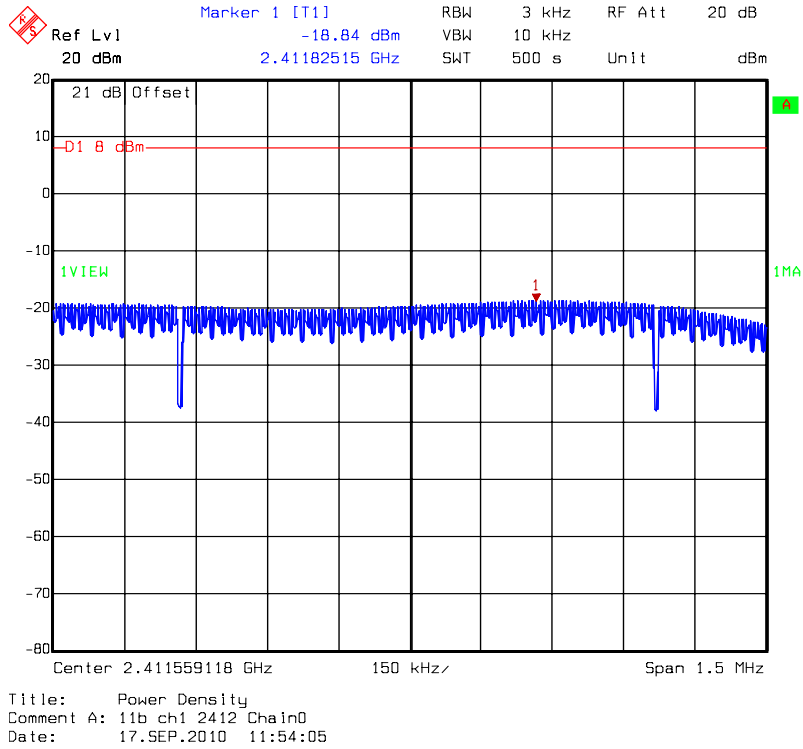
Mode	Channel	Frequency (MHz)	Data rate Mbps	PSD(dBm)	PSD (mw)	Limit (dBm)
				DAC0		
802.11b	1	2412	1	-18.84	0.01	8
	6	2437		-16.64	0.02	8
	11	2462		-18.77	0.01	8
802.11g	1	2412	6	-8.37	0.19	8
	6	2437		-7.79	0.04	8
	11	2462		-8.66	0.17	8

Mode	Channel	Frequency (MHz)	Data rate Mbps	PSD(dBm)	PSD (mw)	Limit (dBm)
				DAC1		
802.11g	1	2412	6	-16.85	0.02	8
	6	2437		-15.10	0.03	8
	11	2462		-13.58	0.04	8

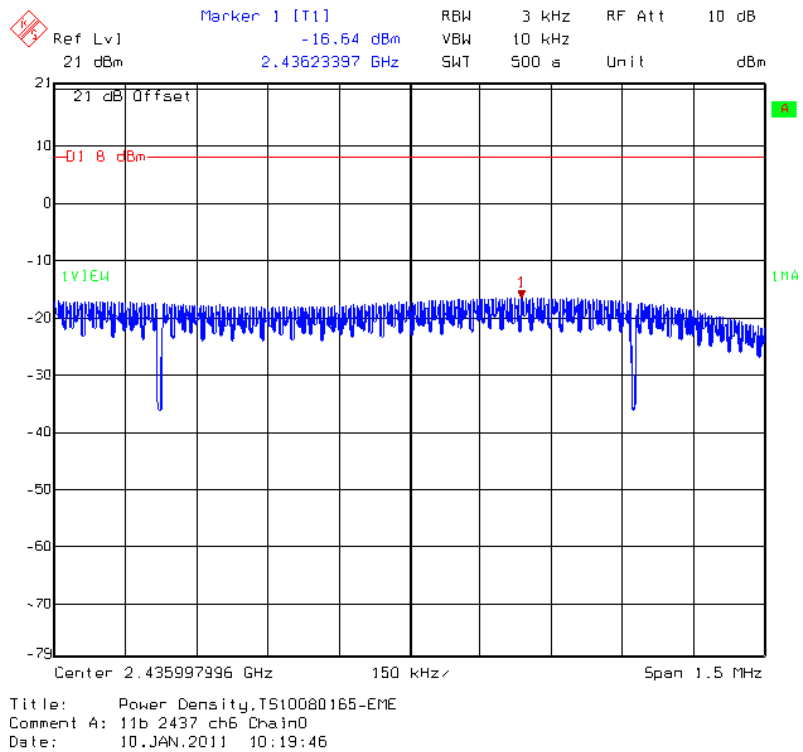
2TX

Mode	Channel	Frequency (MHz)	Data rate Mbps	PSD (dBm)		Total PSD		Limit (dBm)
				DAC0	DAC1	mW	dBm	
802.11n (HT20)	1	2412	6.5	-13.89	-15.73	0.07	-11.59	8
	6	2437		-15.04	-15.90	0.06	-12.44	8
	11	2462		-13.19	-13.40	0.55	-2.63	8
802.11n (HT40)	3	2422	13	-15.84	-16.84	0.05	-13.26	8
	6	2437		-17.16	-17.60	0.04	-14.36	8
	9	2452		-19.53	-19.69	0.02	-16.60	8

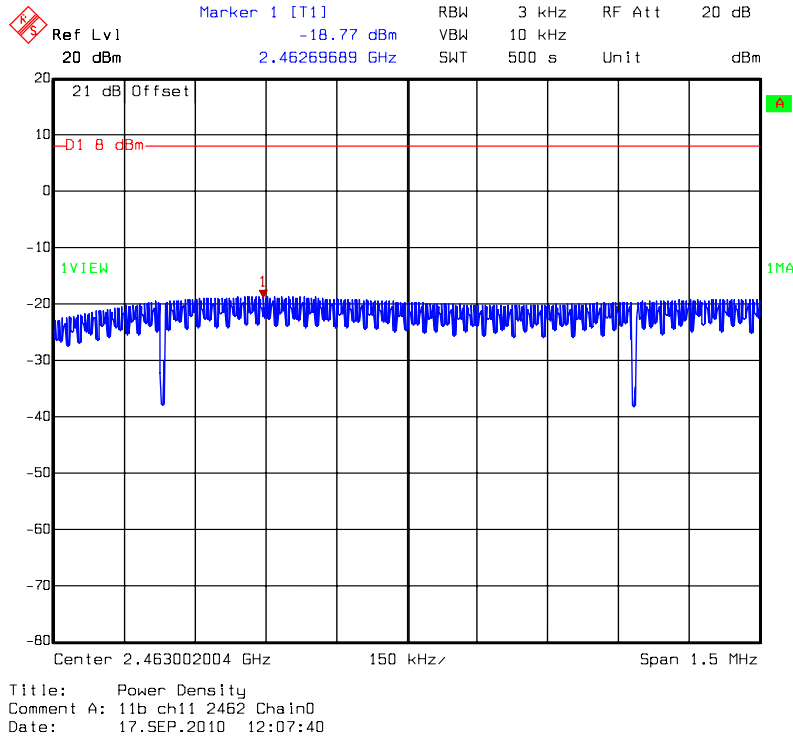
Chain 0: Power Spectral Density @ 802.11b mode channel 1



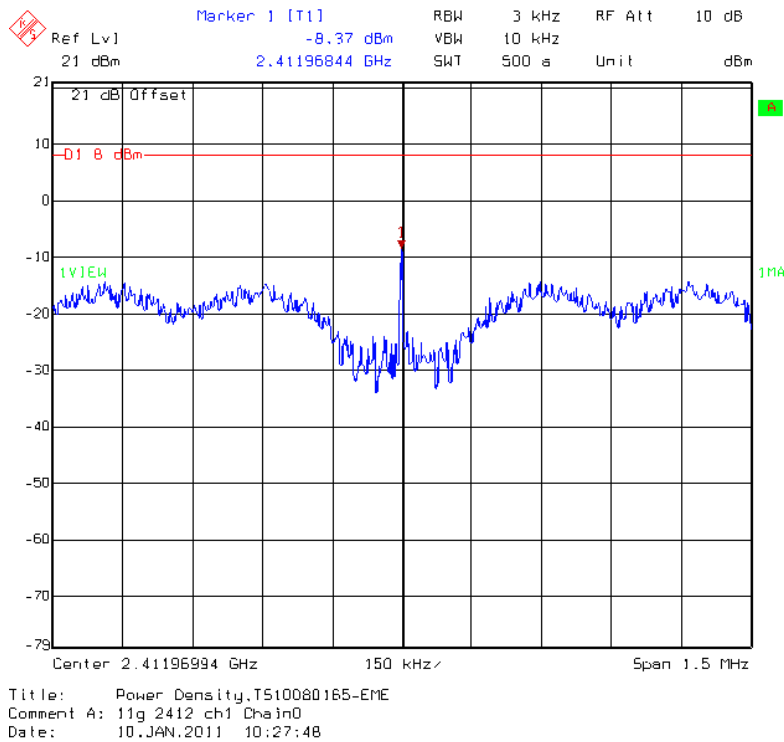
Chain 0: Power Spectral Density @ 802.11b mode channel 6



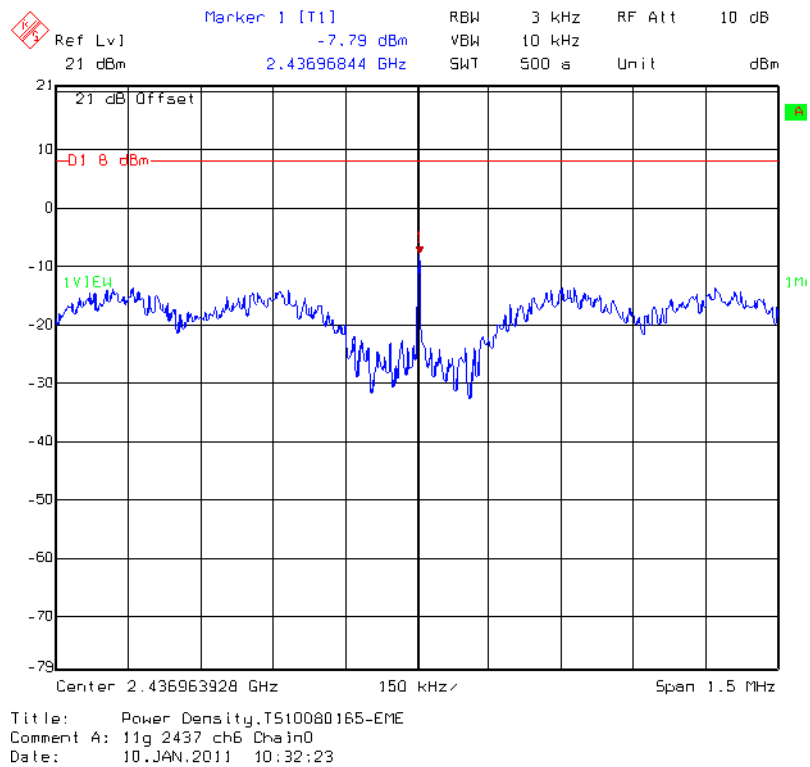
Chain 0: Power Spectral Density @ 802.11b mode channel 11



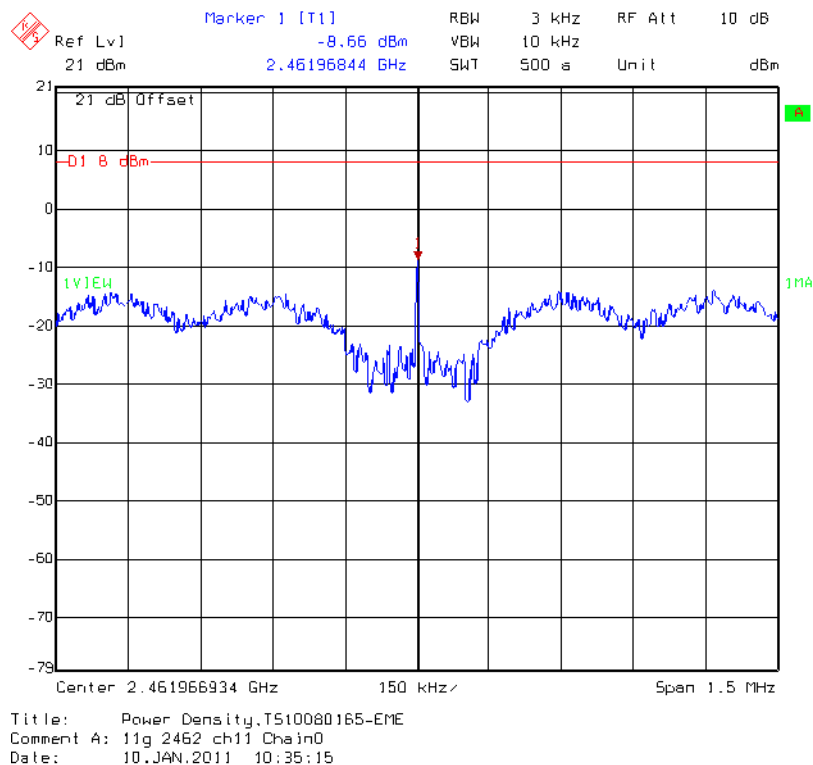
Chain 0: Power Spectral Density @ 802.11g mode channel 1



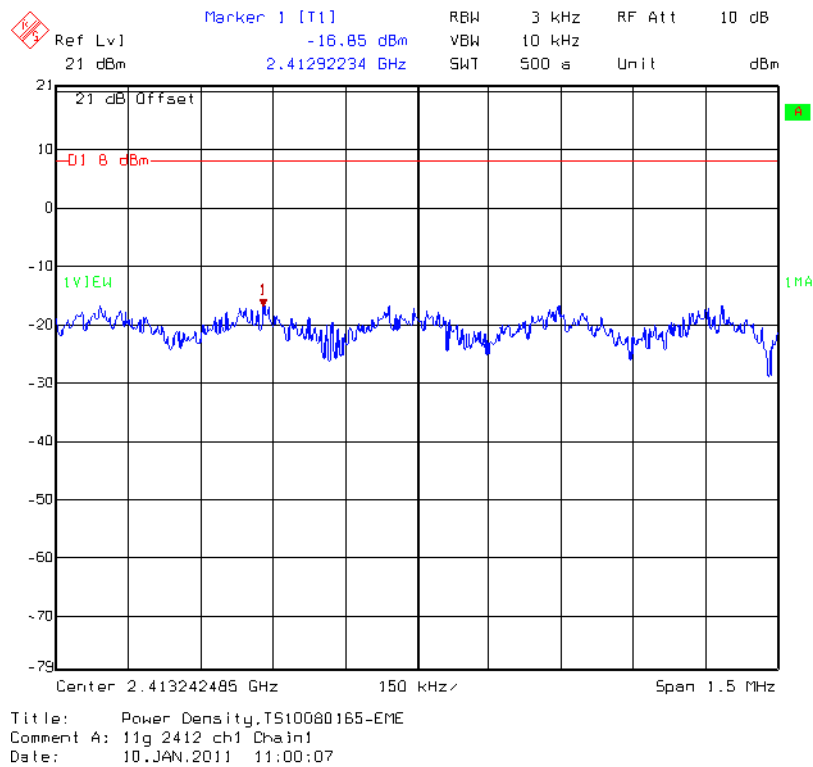
Chain 0: Power Spectral Density @ 802.11g mode channel 6



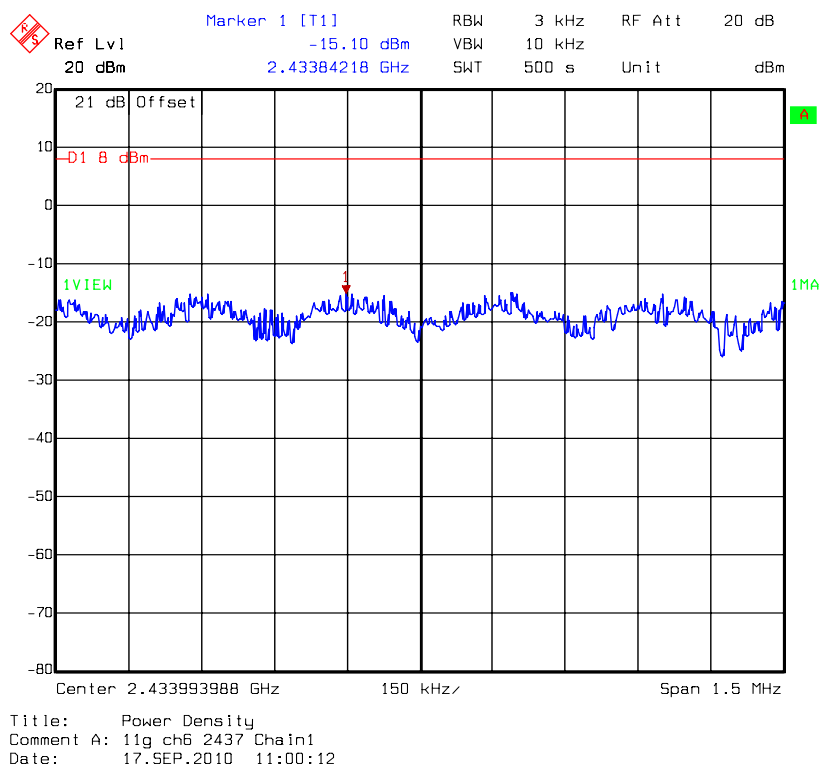
Chain 0: Power Spectral Density @ 802.11g mode channel 11



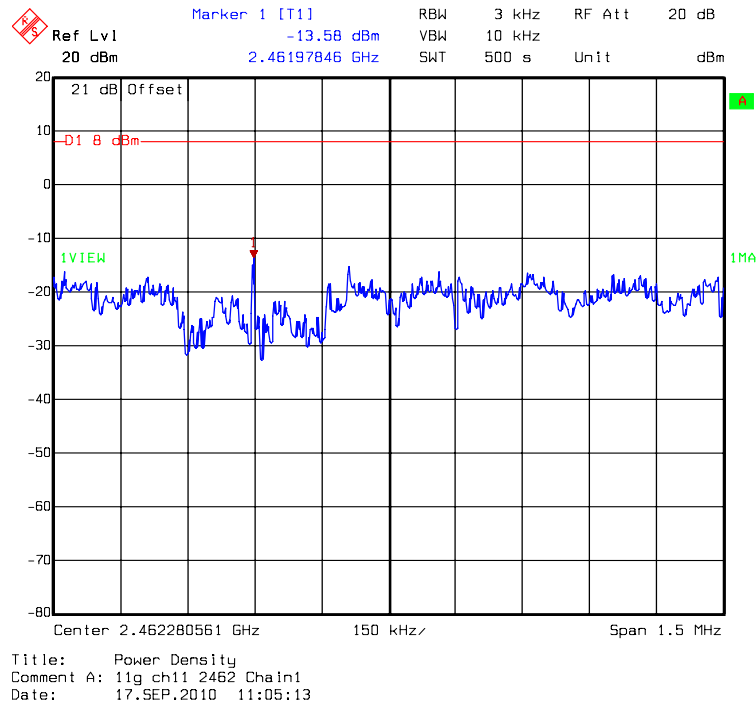
Chain 1: Power Spectral Density @ 802.11g mode channel 1



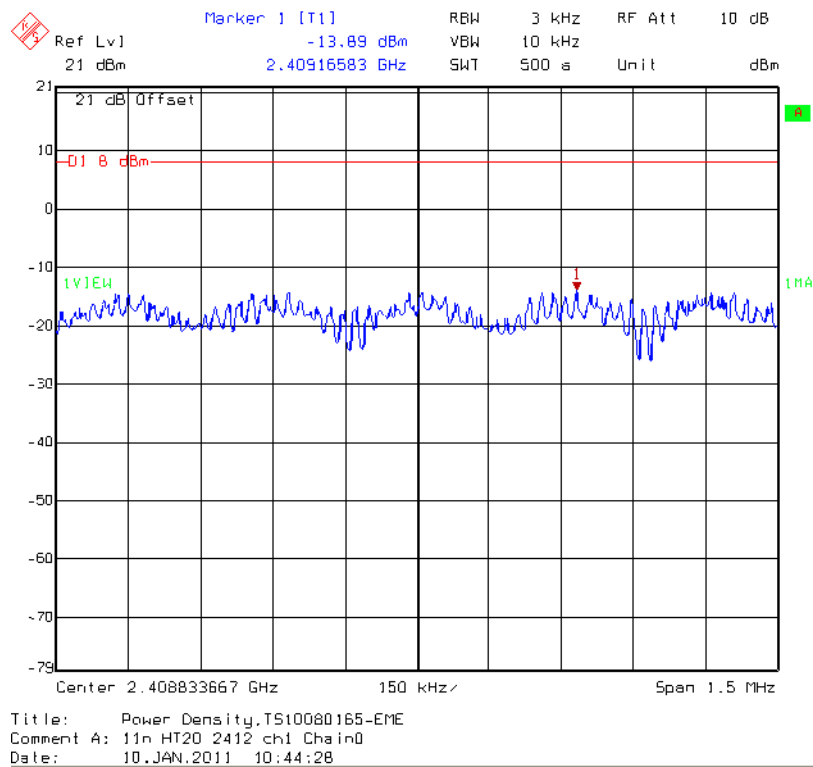
Chain 1: Power Spectral Density @ 802.11g mode channel 6



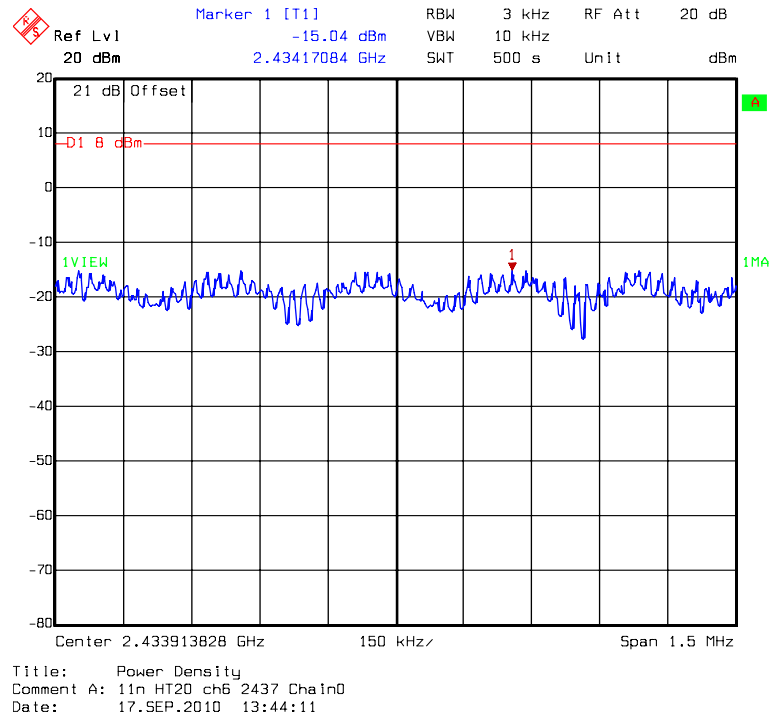
Chain 1: Power Spectral Density @ 802.11g mode channel 11



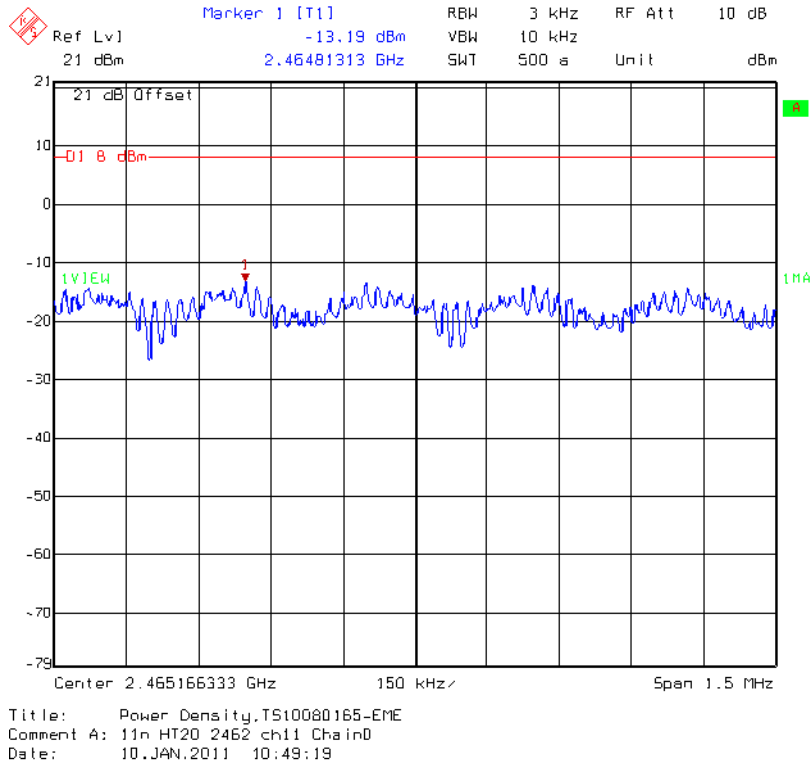
Chain 0: Power Spectral Density @ 802.11n HT20 mode channel 1



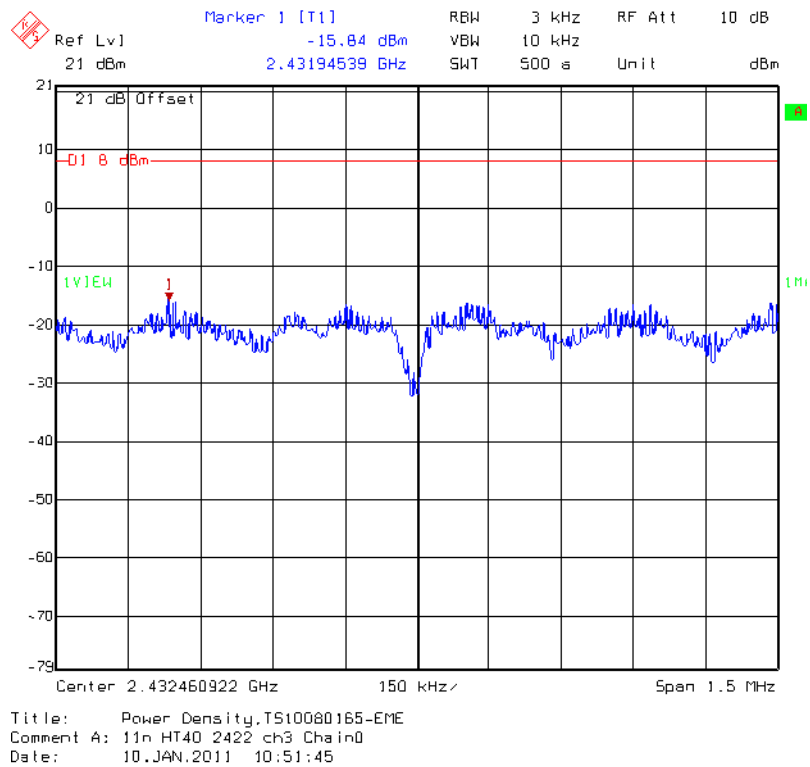
Chain 0: Power Spectral Density @ 802.11n HT20 mode channel 6



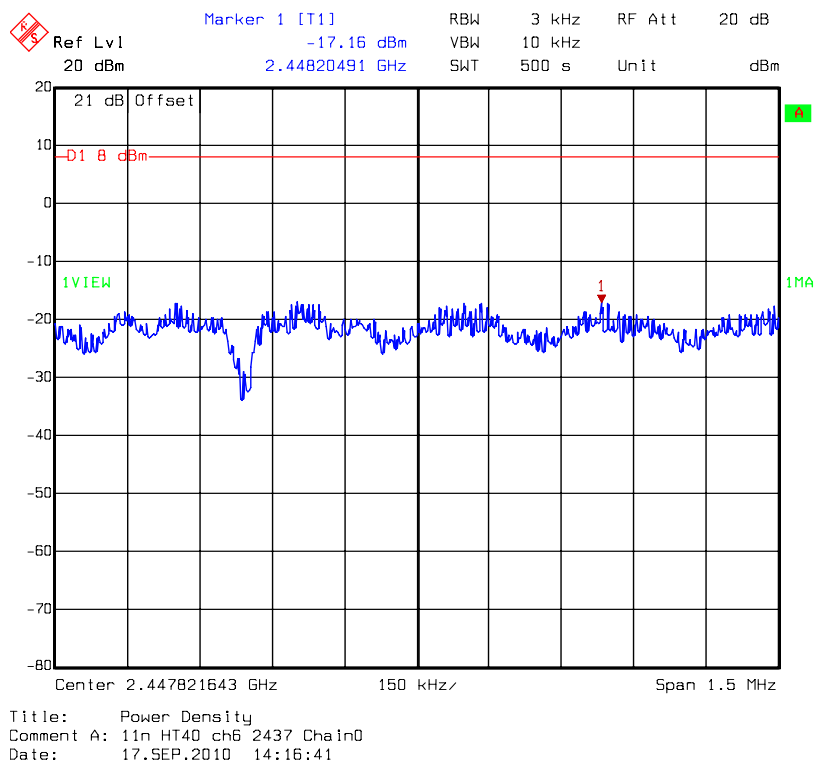
Chain 0: Power Spectral Density @ 802.11n HT20 mode channel 11



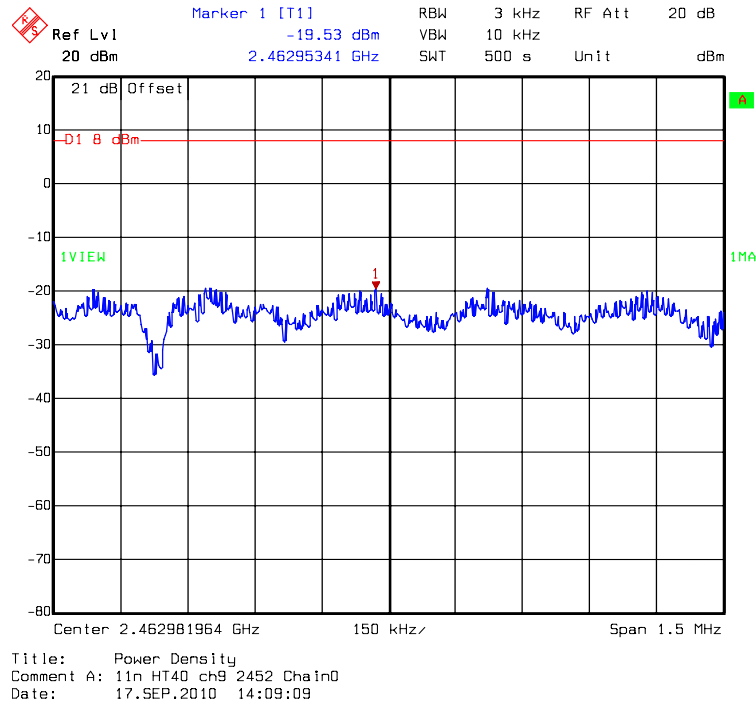
Chain 0: Power Spectral Density @ 802.11n HT40 mode channel 3



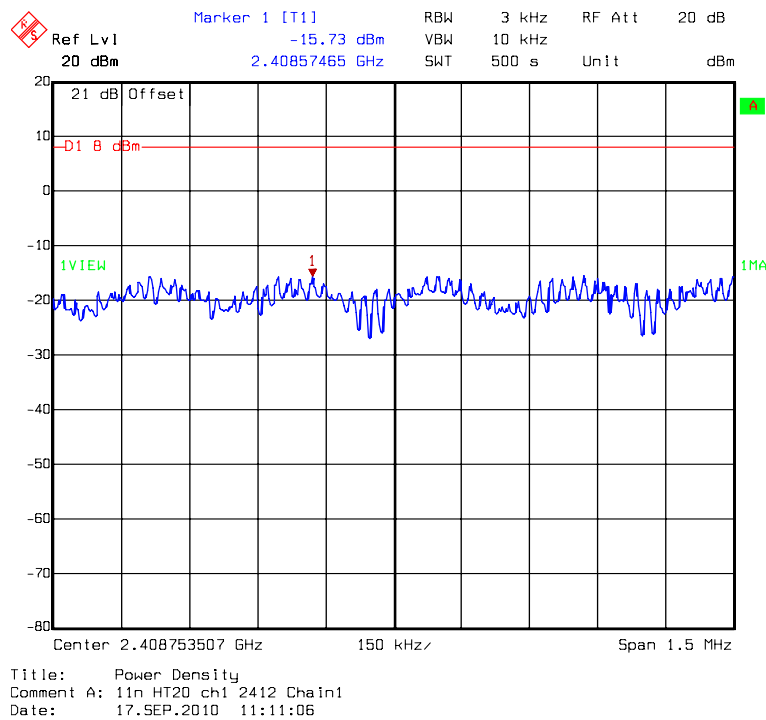
Chain 0: Power Spectral Density @ 802.11n HT40 mode channel 6



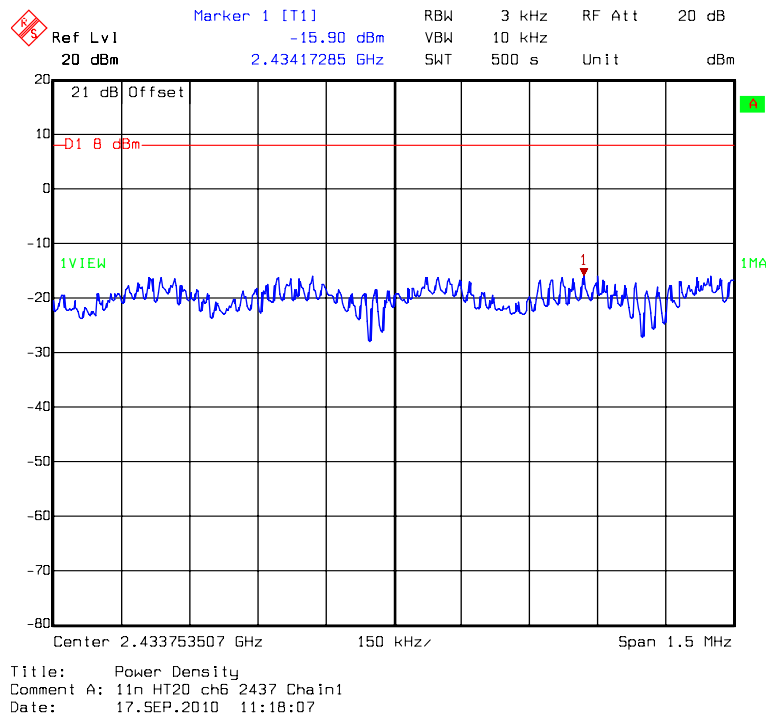
Chain 0: Power Spectral Density @ 802.11n HT40 mode channel 9



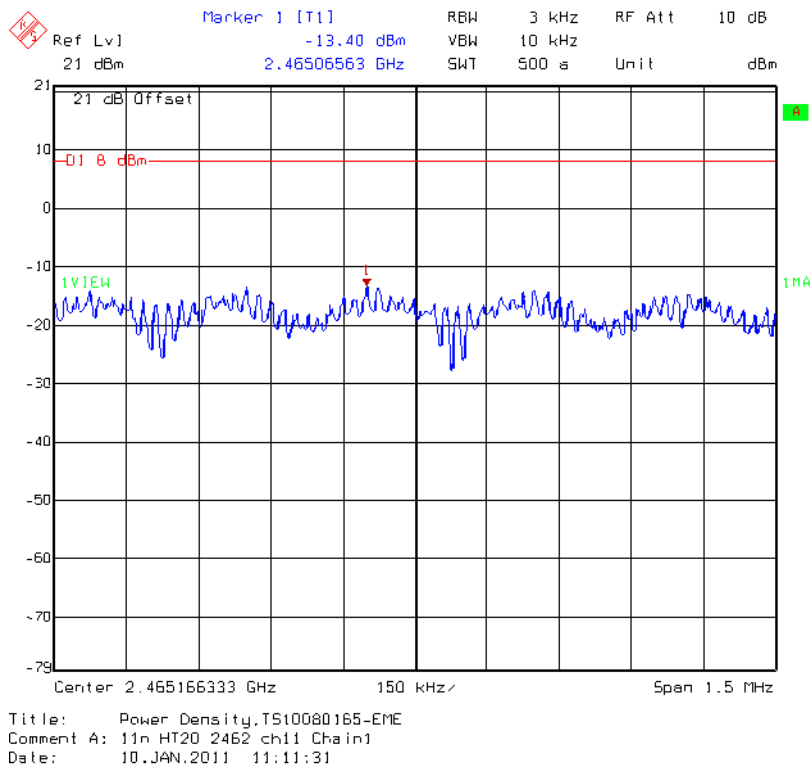
Chain 1: Power Spectral Density @ 802.11n HT20 mode channel 1



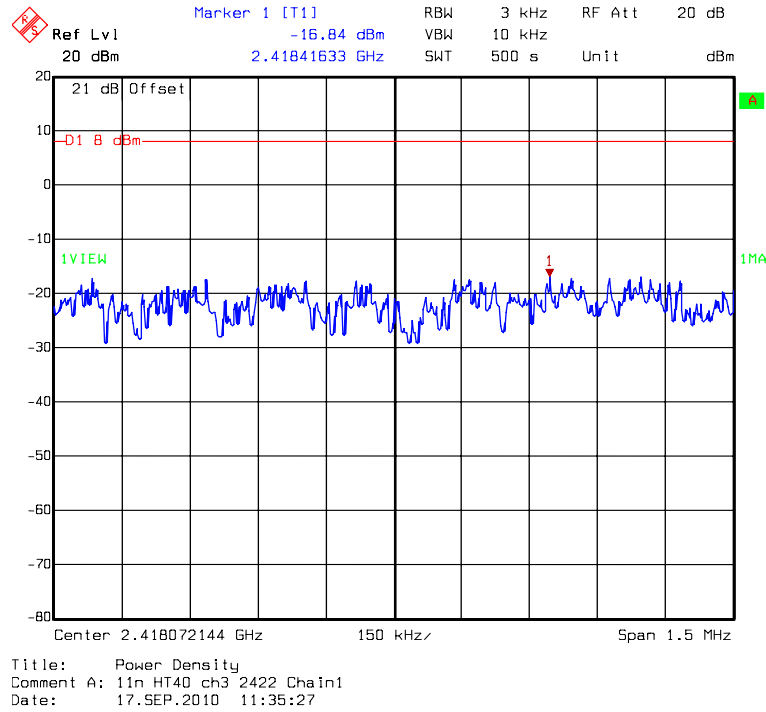
Chain 1: Power Spectral Density @ 802.11n HT20 mode channel 6



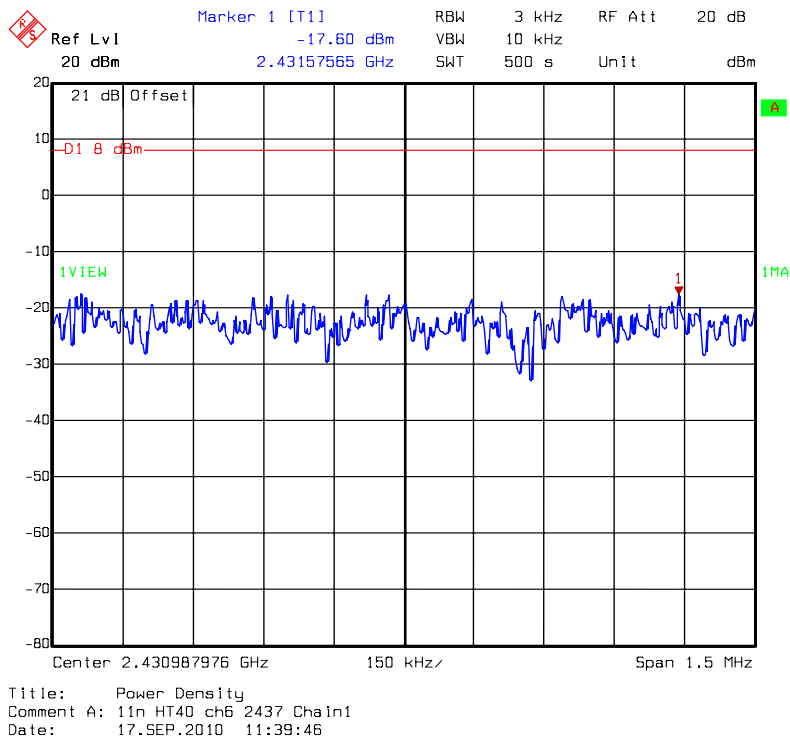
Chain 1: Power Spectral Density @ 802.11n HT20 mode channel 11



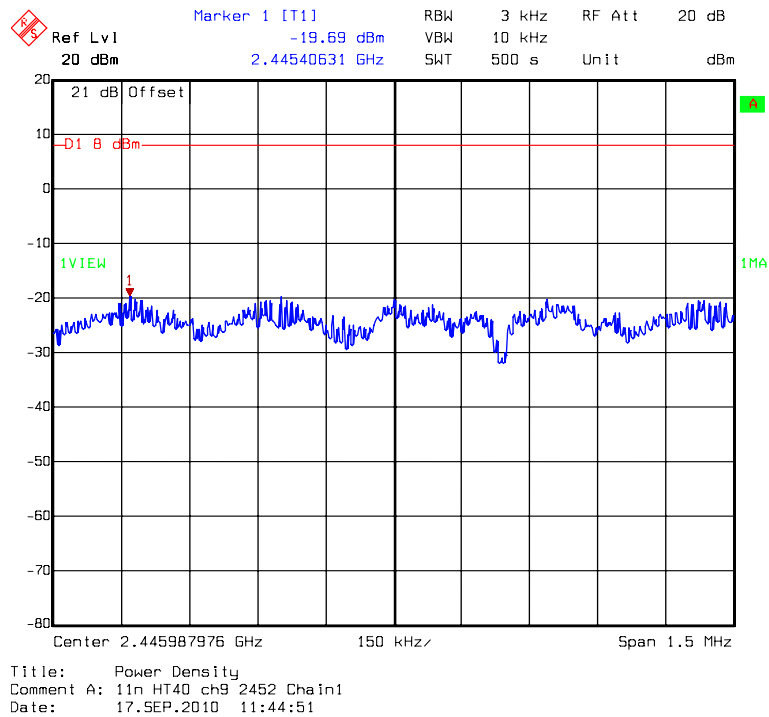
Chain 1: Power Spectral Density @ 802.11n HT40 mode channel 3



Chain 1: Power Spectral Density @ 802.11n HT40 mode channel 6



Chain 1: Power Spectral Density @ 802.11n HT40 mode channel 9



6. RF Antenna conducted Spurious

Name of Test	RF Antenna Conducted Spurious
Base Standard	FCC 15.247(d)

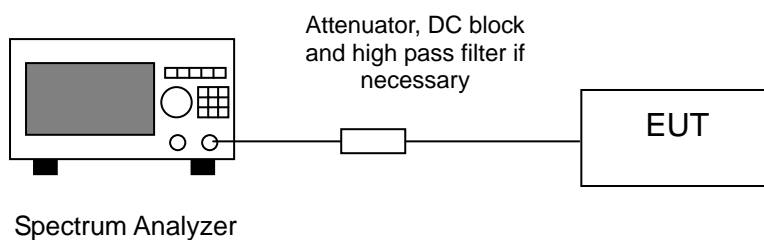
Test Result: Complies
Measurement Data: See plots below

Method of Measurement:

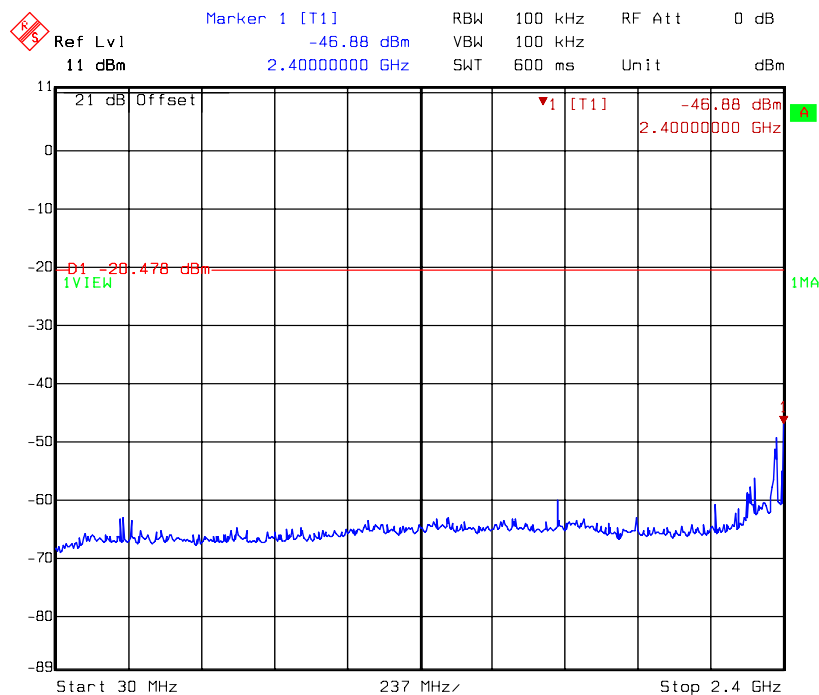
Reference FCC document: KDB558074

The measurements were performed from 30 MHz to 25 GHz RF antenna conducted per FCC 15.247 (d) was measured from the EUT antenna port using a 50 ohm spectrum analyzer with the resolution bandwidth set at 100 kHz, and the video bandwidth set at 100 kHz. Harmonics and spurious noise must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW. The table below is the results from the highest emission for each channel within the authorized band. This table was used to determine the spurious limits for each channel.

Test Diagram:

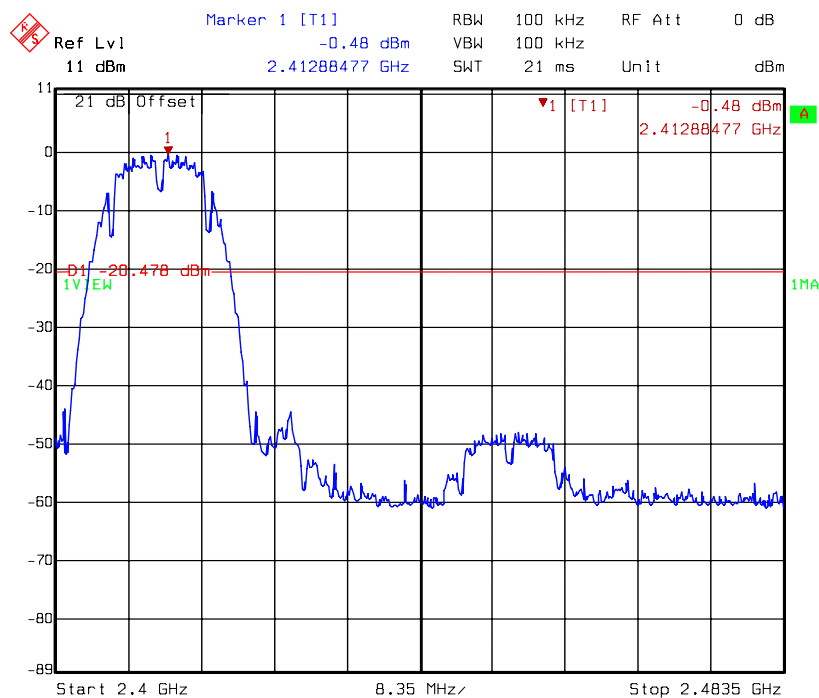


Chain 0: conducted spurious @ 802.11b mode channel 1 (1 of 3)



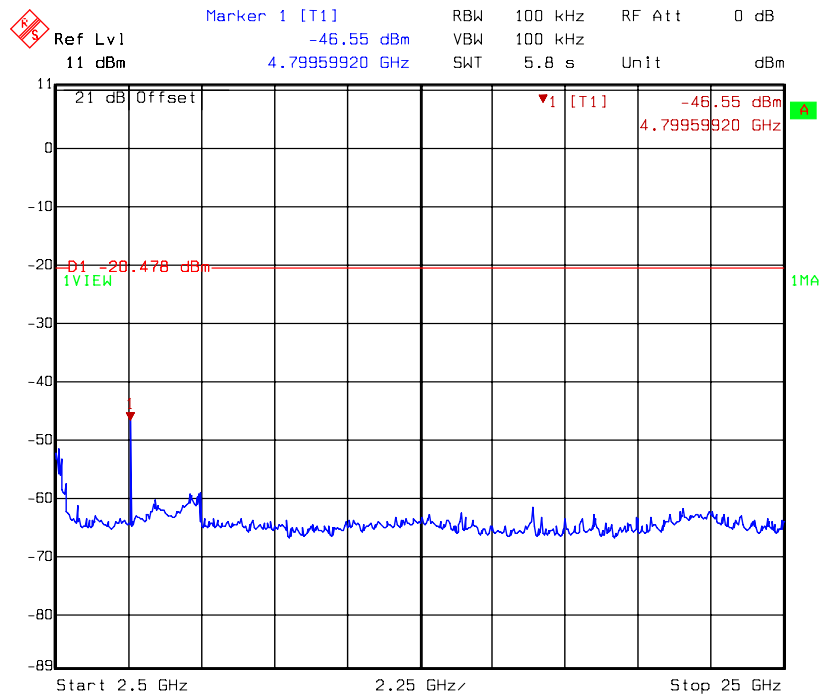
Title: Conductive-Spurious
Comment A: CH 1 at 802.11b mode 30MHz~2400MHzchain0
Date: 13.JAN.2011 11:59:50

Chain 0: conducted spurious @ 802.11b mode channel 1 (2 of 3)



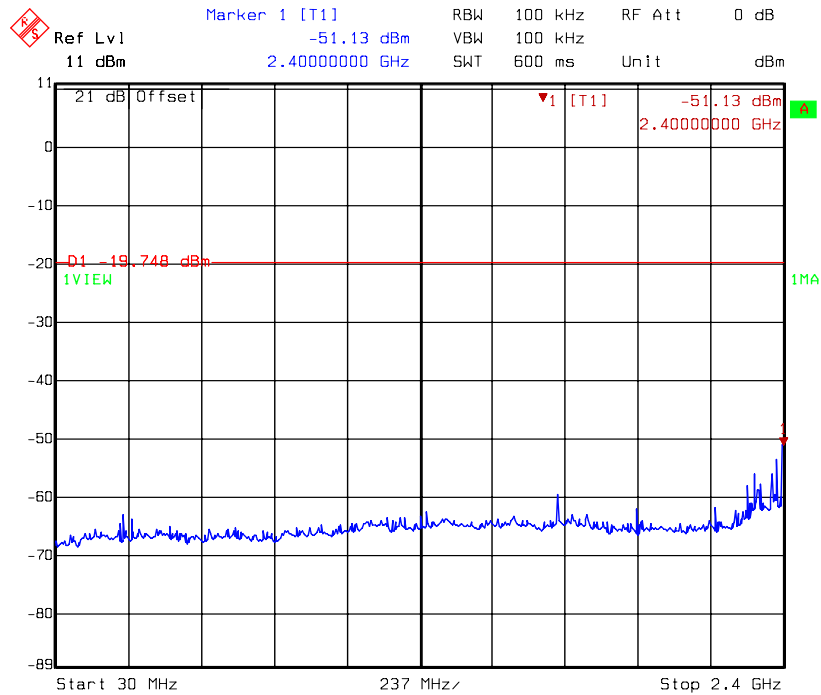
Title: Conductive-Spurious
Comment A: CH 1 at 802.11b mode 2400MHz~2483.5MHzchain0
Date: 13.JAN.2011 11:59:27

Chain 0: conducted spurious @ 802.11b mode channel 1 (3 of 3)



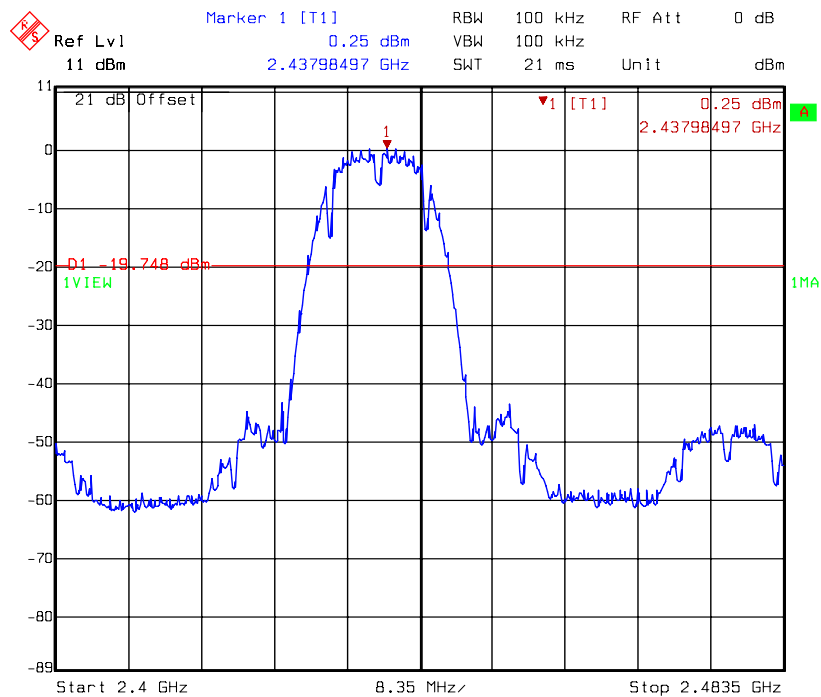
Title: Conductive-Spurious
Comment A: CH 1 at 802.11b mode 2483.5MHz~25GHzchain0
Date: 13.JAN.2011 12:00:19

Chain 0: conducted spurious @ 802.11b mode channel 6 (1 of 3)



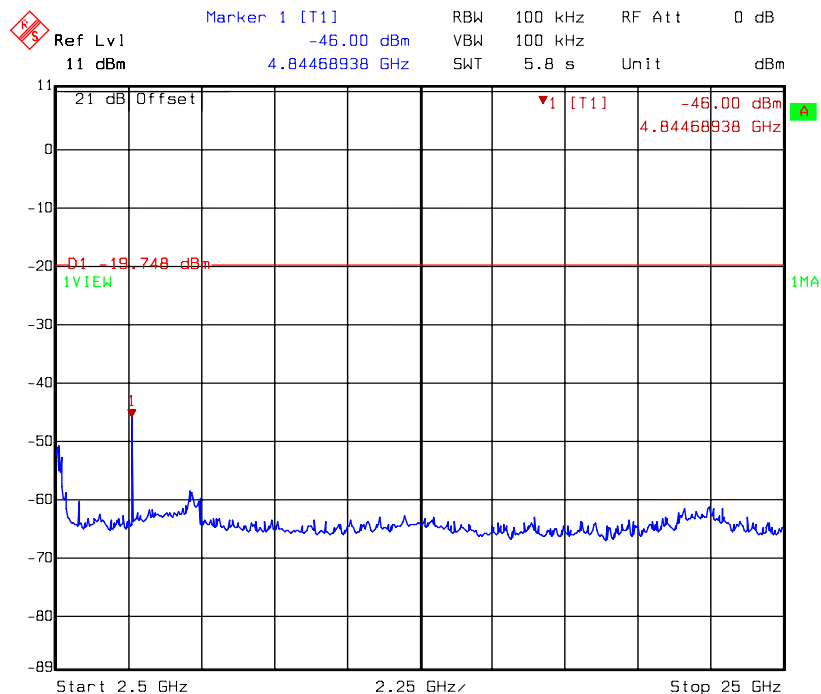
Title: Conductive-Spurious
Comment A: CH 6 at 802.11b mode 30MHz~2400MHzchain0
Date: 13.JAN.2011 12:08:55

Chain 0: conducted spurious @ 802.11b mode channel 6 (2 of 3)



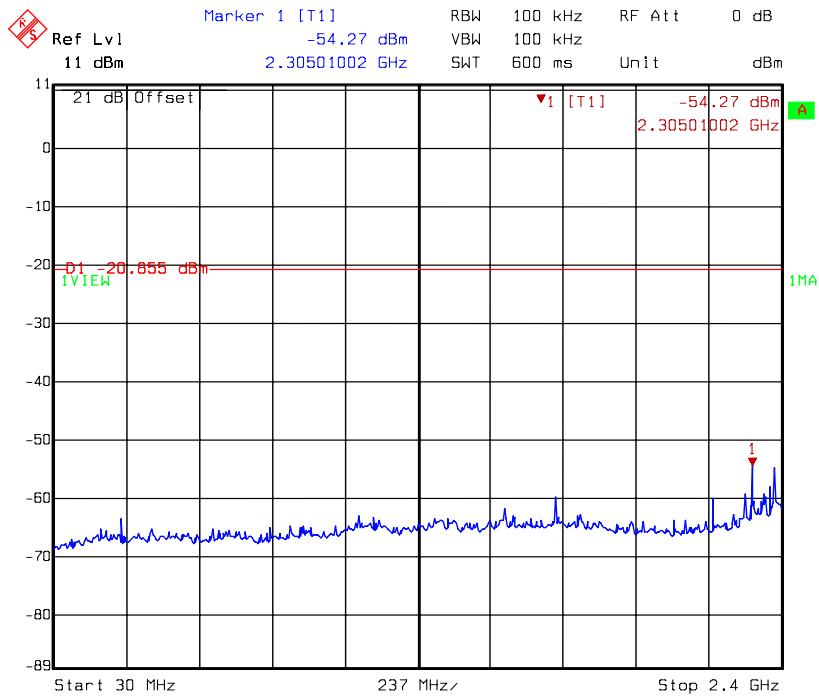
Title: Conductive-Spurious
Comment A: CH 6 at 802.11b mode 2400MHz~2483.5MHzchain0
Date: 13.JAN.2011 12:08:34

Chain 0: conducted spurious @ 802.11b mode channel 6 (3 of 3)



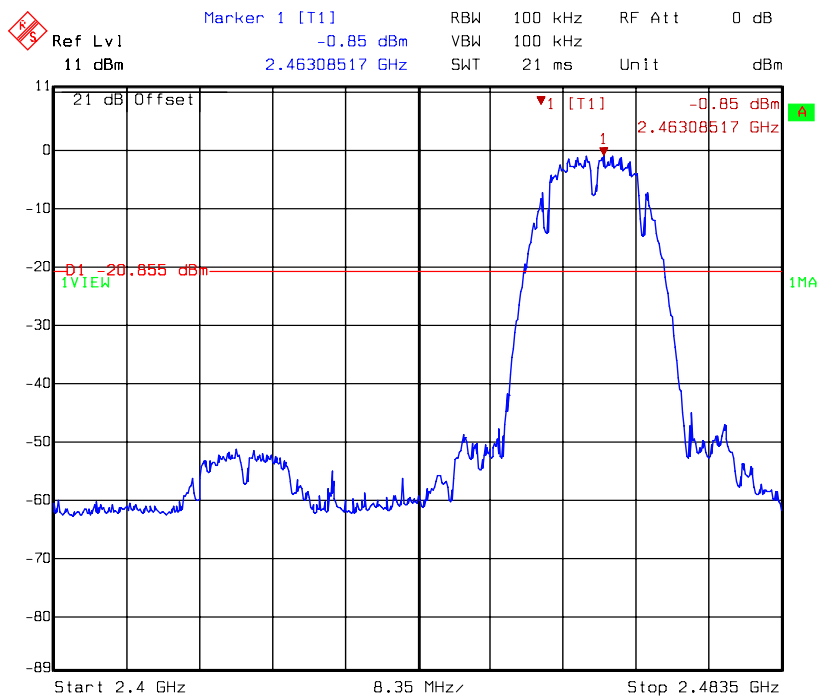
Title: Conductive-Spurious
Comment A: CH 6 at 802.11b mode 2483.5MHz~25GHzchain0
Date: 13.JAN.2011 12:09:22

Chain 0: conducted spurious @ 802.11b mode channel 11 (1 of 3)



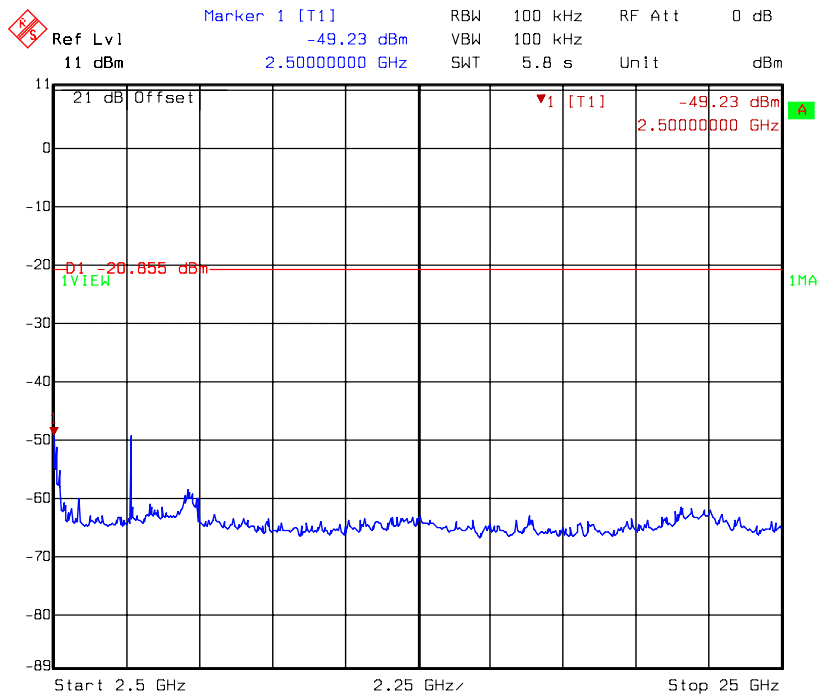
Title: Conductive-Spurious
Comment A: CH 11 at 802.11b mode 30MHz~2400MHzchain 0
Date: 13.JAN.2011 13:33:44

Chain 0: conducted spurious @ 802.11b mode channel 11 (2 of 3)



Title: Conductive-Spurious
Comment A: CH 11 at 802.11b mode 2400MHz~2483.5MHzchain 0
Date: 13.JAN.2011 13:33:23

Chain 0: conducted spurious @ 802.11b mode channel 11 (3 of 3)



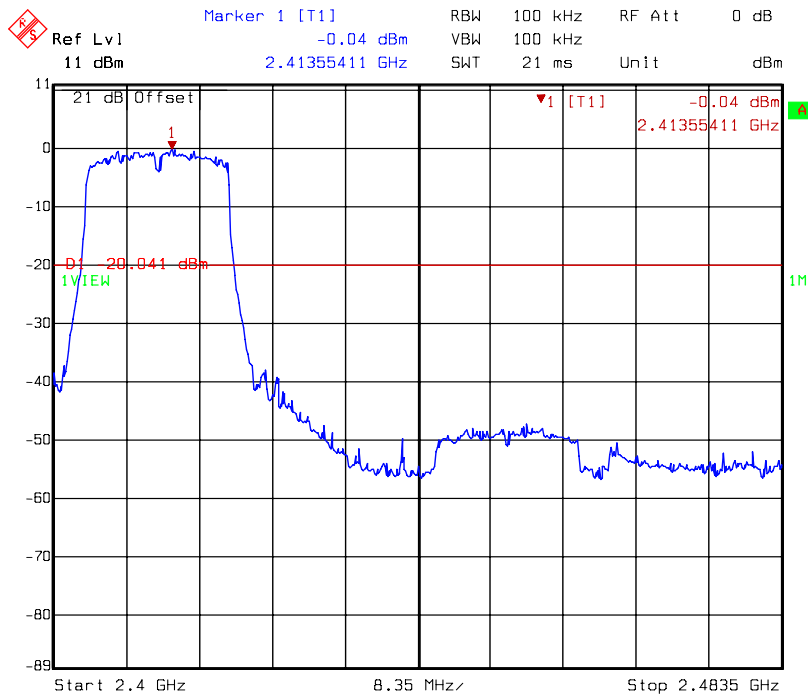
Title: Conductive-Spurious
Comment A: CH 11 at 802.11b mode 2483.5MHz~25GHzchain 0
Date: 13.JAN.2011 13:34:11

Chain 0: conducted spurious @ 802.11g mode channel 1 (1 of 3)



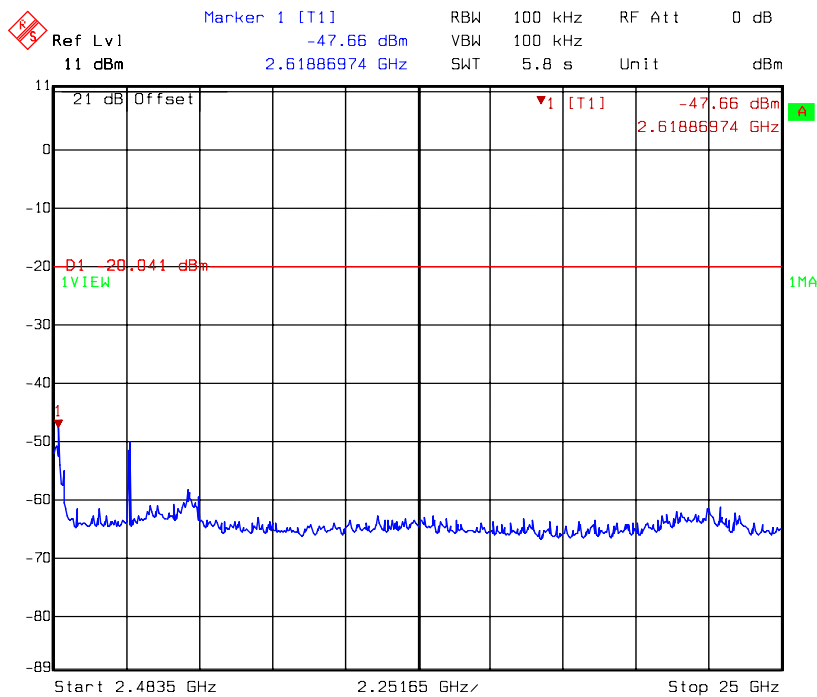
Title: Conductive-Spurious
Comment A: CH 1 at 802.11g mode 30MHz~2400MHzchain 0
Date: 13.JAN.2011 12:14:35

Chain 0: conducted spurious @ 802.11g mode channel 1 (2 of 3)



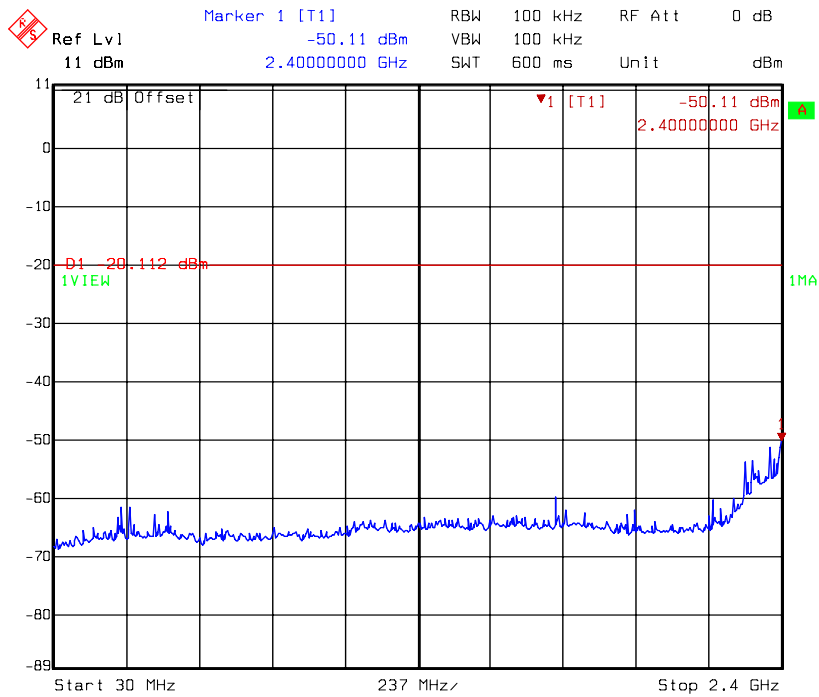
Title: Conductive-Spurious
Comment A: CH 1 at 802.11g mode 2400MHz~2483.5MHzchain 0
Date: 13.JAN.2011 12:14:14

Chain 0: conducted spurious @ 802.11g mode channel 1 (3 of 3)



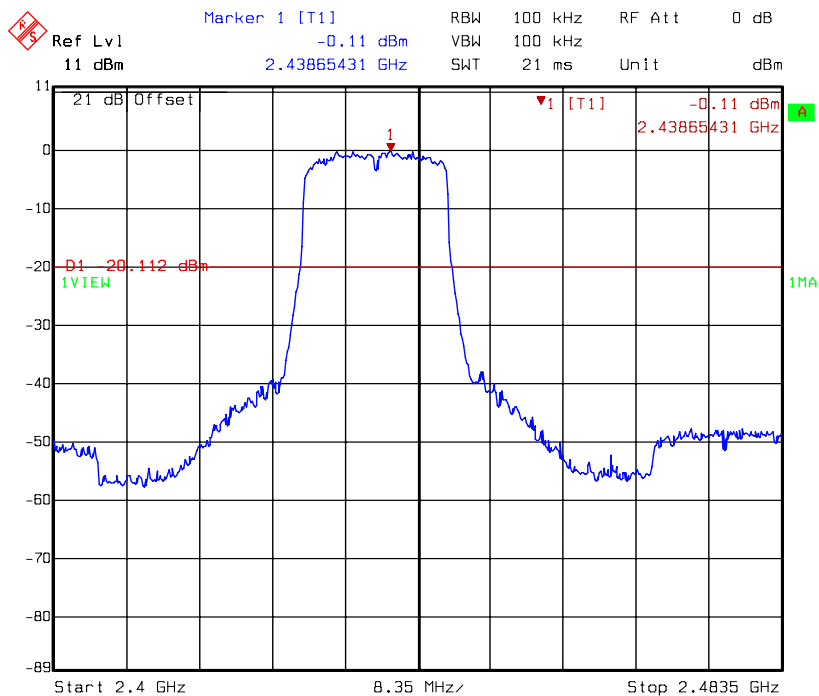
Title: Conductive-Spurious
Comment A: CH 1 at 802.11g mode 2483.5MHz~25000MHzchain 0
Date: 13.JAN.2011 12:15:02

Chain 0: conducted spurious @ 802.11g mode channel 6 (1 of 3)



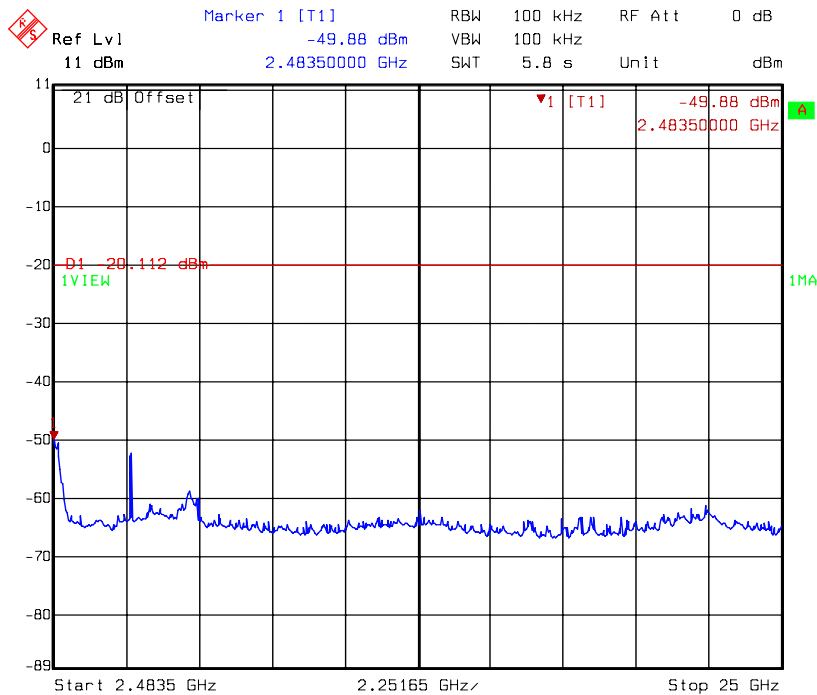
Title: Conductive-Spurious
Comment A: CH 6 at 802.11g mode 30MHz~2400MHzchain 0
Date: 13.JAN.2011 13:36:57

Chain 0: conducted spurious @ 802.11g mode channel 6 (2 of 3)



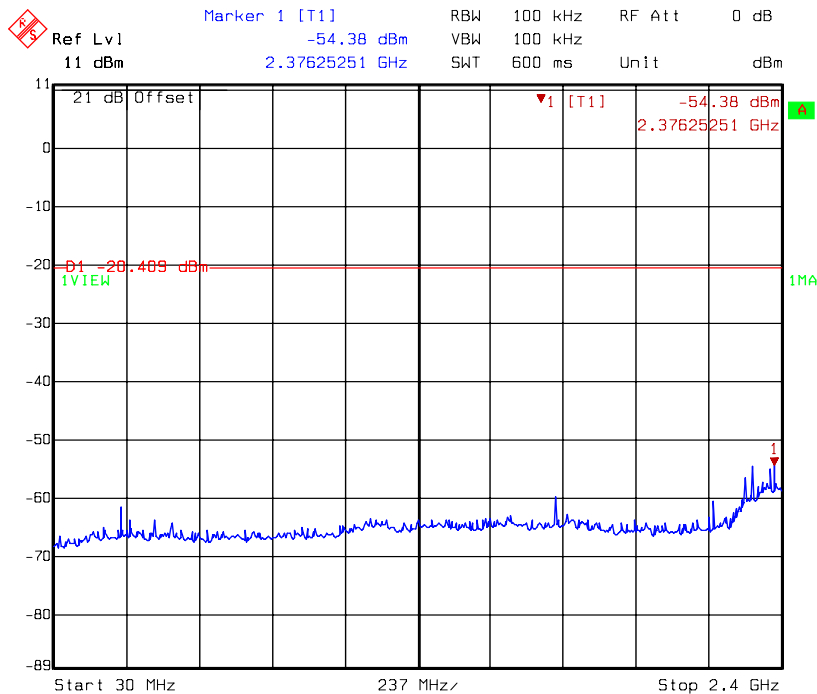
Title: Conductive-Spurious
Comment A: CH 6 at 802.11g mode 2400MHz~2483.5MHzchain 0
Date: 13.JAN.2011 13:36:36

Chain 0: conducted spurious @ 802.11g mode channel 6 (3 of 3)



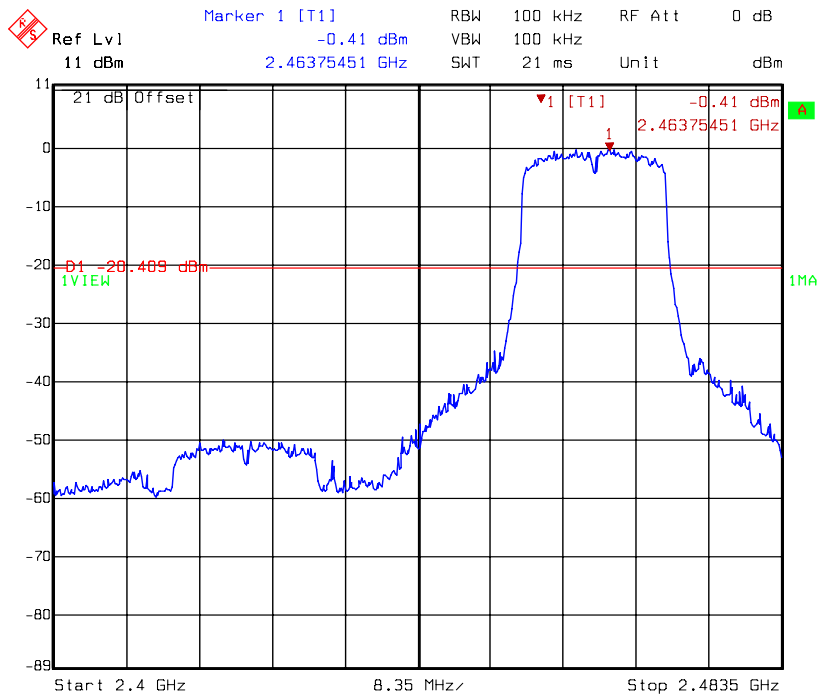
Title: Conductive-Spurious
Comment A: CH 6 at 802.11g mode 2483.5MHz~25000MHzchain 0
Date: 13.JAN.2011 13:37:24

Chain 0: conducted spurious @ 802.11g mode channel 11 (1 of 3)



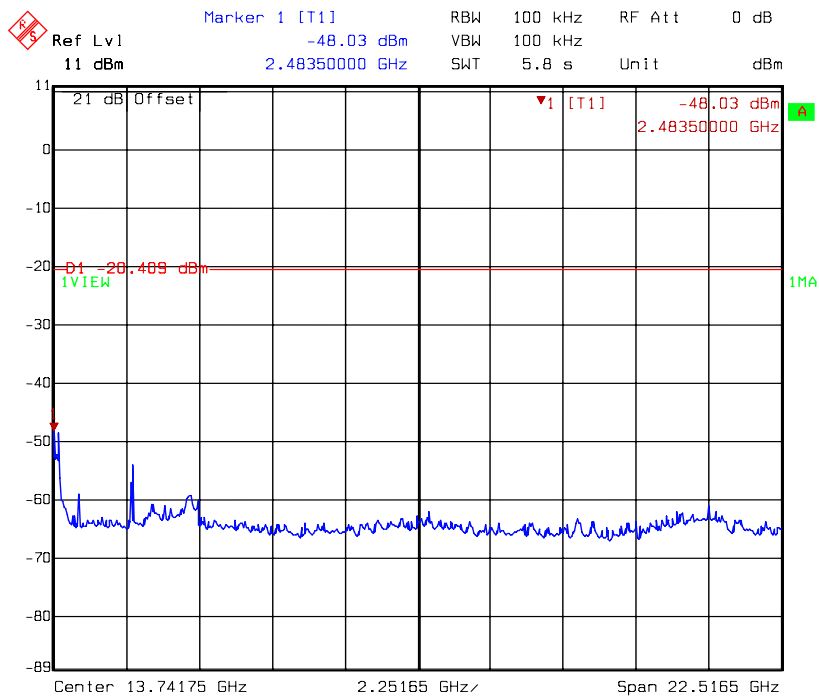
Title: Conductive-Spurious
Comment A: CH 11 at 802.11g mode 30MHz~2400MHzchain 0
Date: 13.JAN.2011 12:20:53

Chain 0: conducted spurious @ 802.11g mode channel 11 (2 of 3)



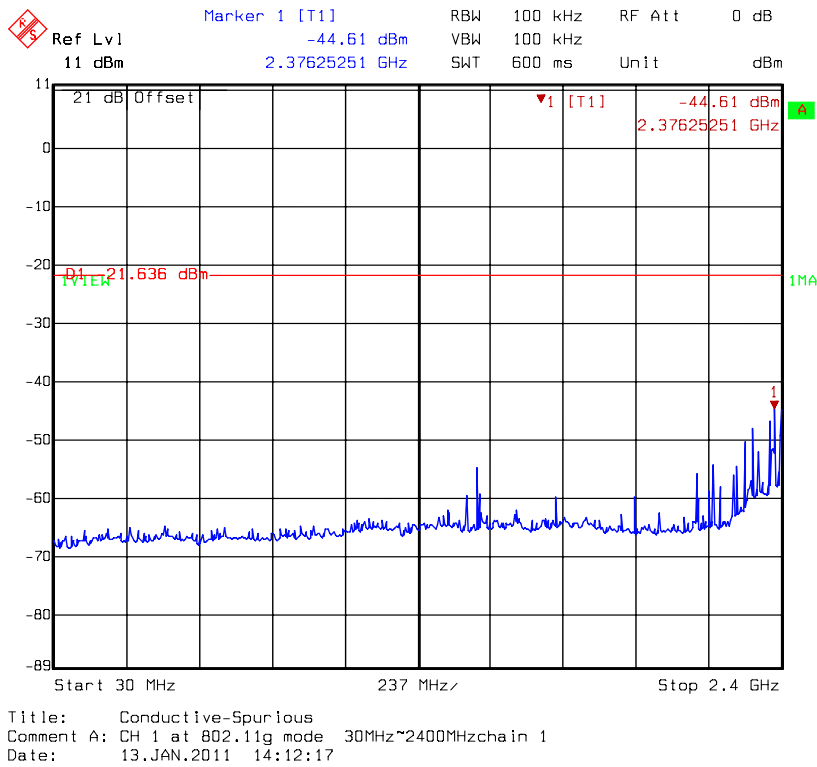
Title: Conductive-Spurious
Comment A: CH 11 at 802.11g mode 2400MHz~2483.5MHzchain 0
Date: 13.JAN.2011 12:20:32

Chain 0: conducted spurious @ 802.11g mode channel 11 (3 of 3)

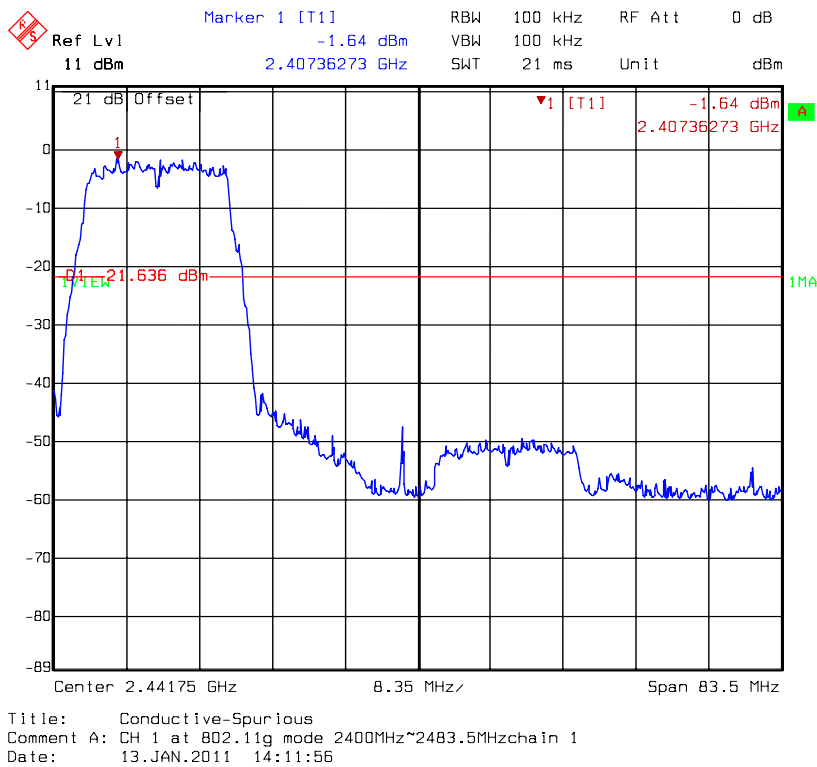


Title: Conductive-Spurious
Comment A: CH 11 at 802.11g mode 2483.5MHz~25000MHzchain 0
Date: 13.JAN.2011 12:21:20

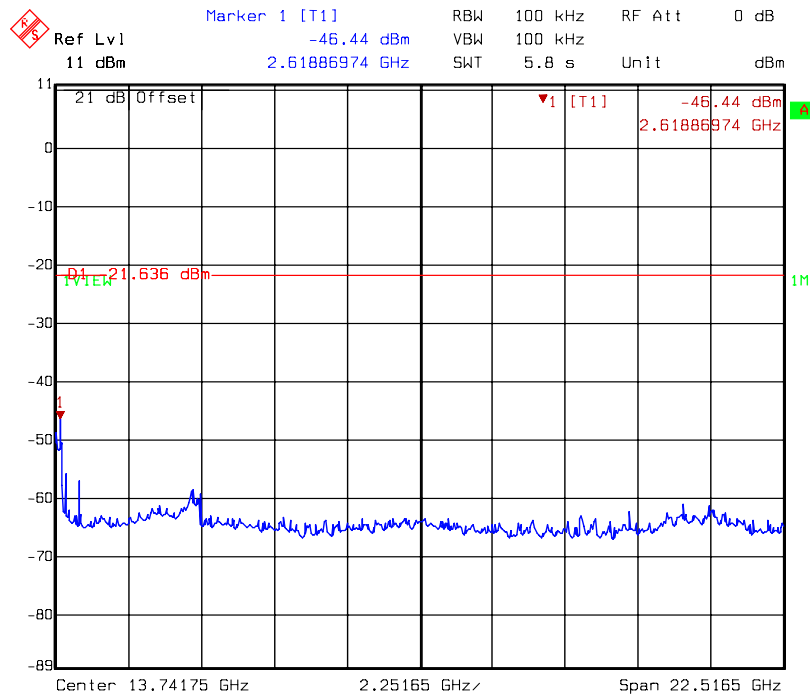
Chain 1: conducted spurious @ 802.11g mode channel 1 (1 of 3)



Chain 1: conducted spurious @ 802.11g mode channel 1 (2 of 3)

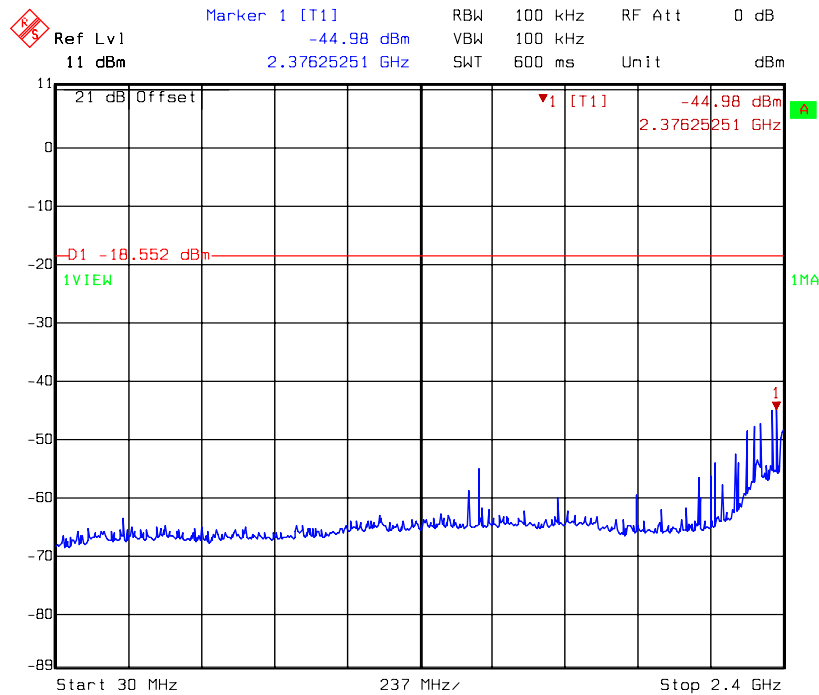


Chain 1: conducted spurious @ 802.11g mode channel 1 (3 of 3)



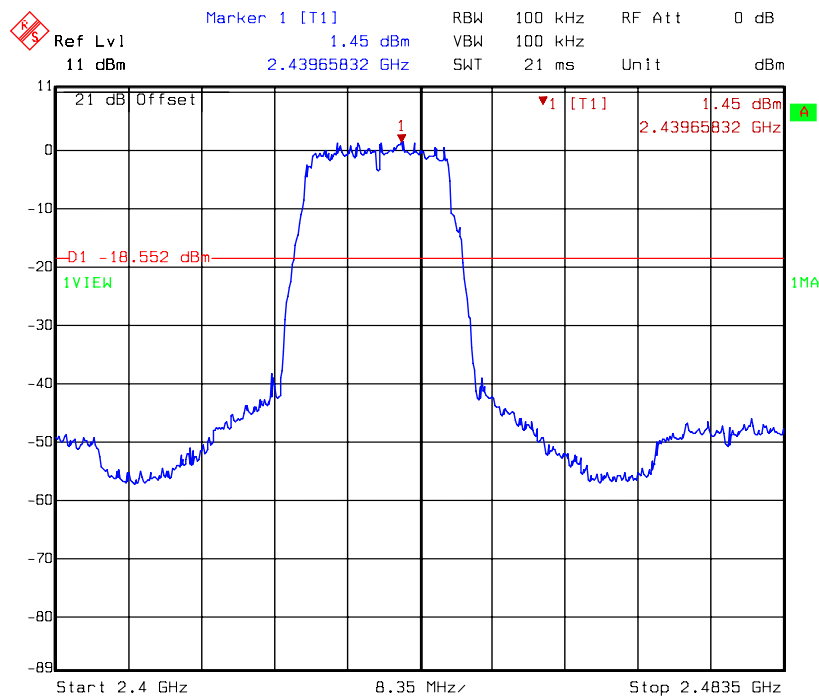
Title: Conductive-Spurious
Comment A: CH 1 at 802.11g mode 2483.5MHz~25000MHzchain 1
Date: 13.JAN.2011 14:12:45

Chain 1: conducted spurious @ 802.11g mode channel 6 (1 of 3)



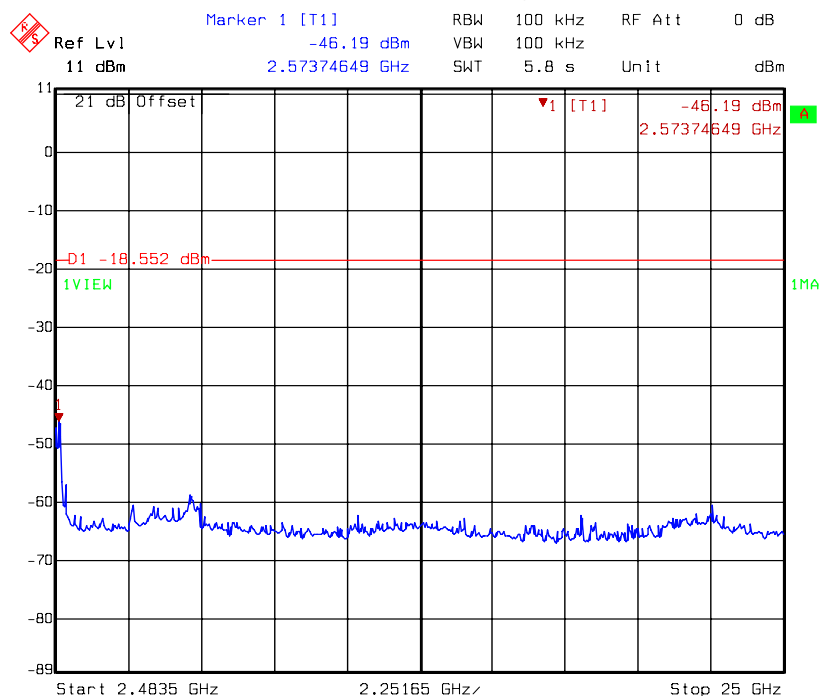
Title: Conductive-Spurious
Comment A: CH 6 at 802.11g mode 30MHz~2400MHzchain 1
Date: 13.JAN.2011 14:16:12

Chain 1: conducted spurious @ 802.11g mode channel 6 (2 of 3)



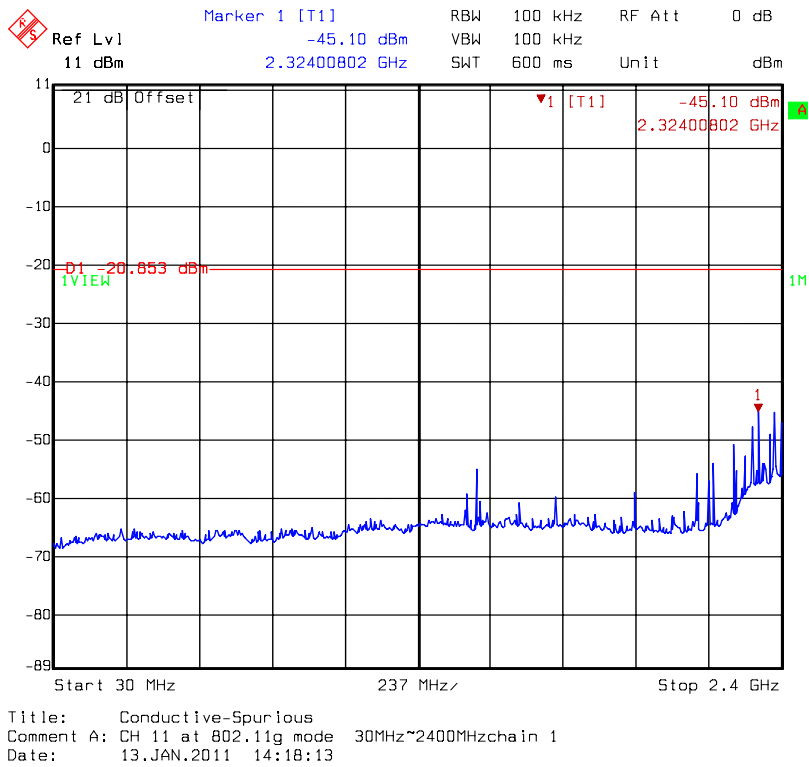
Title: Conductive-Spurious
Comment A: CH 6 at 802.11g mode 2400MHz~2483.5MHzchain 1
Date: 13.JAN.2011 14:15:51

Chain 1: conducted spurious @ 802.11g mode channel 6 (3 of 3)

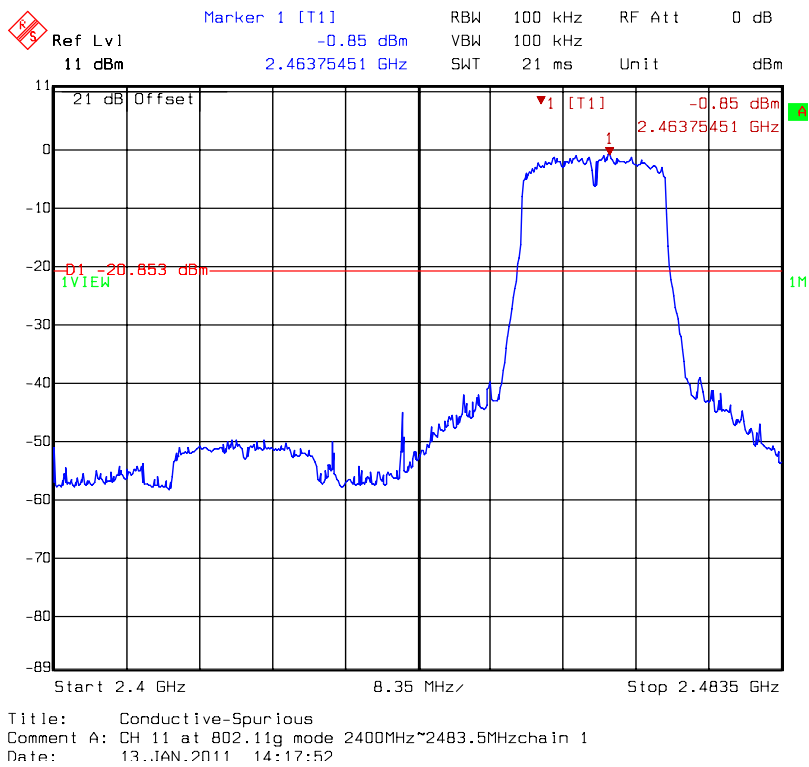


Title: Conductive-Spurious
Comment A: CH 6 at 802.11g mode 2483.5MHz~25000MHzchain 1
Date: 13.JAN.2011 14:16:40

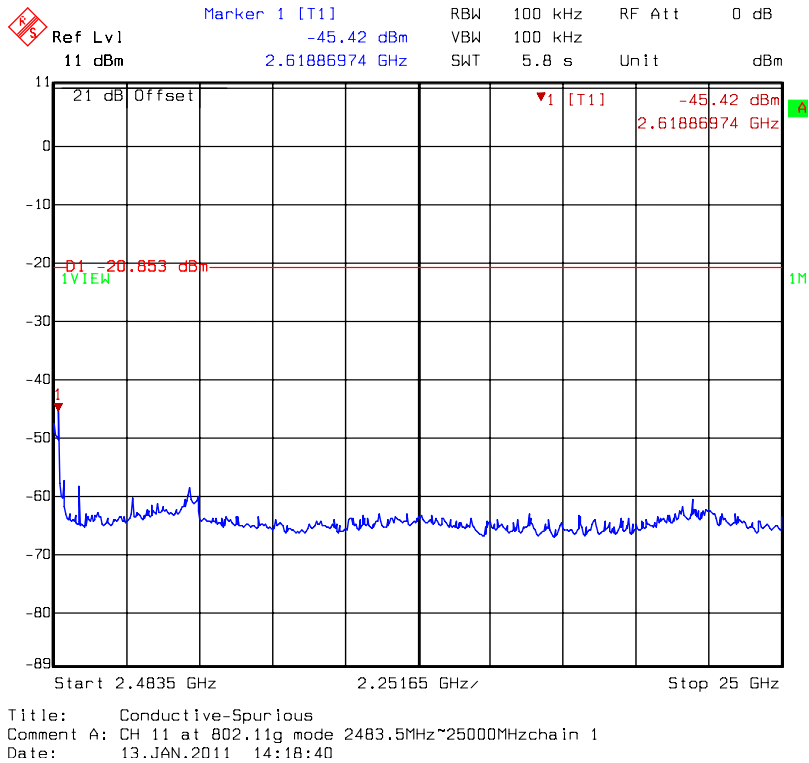
Chain 1: conducted spurious @ 802.11g mode channel 11 (1 of 3)



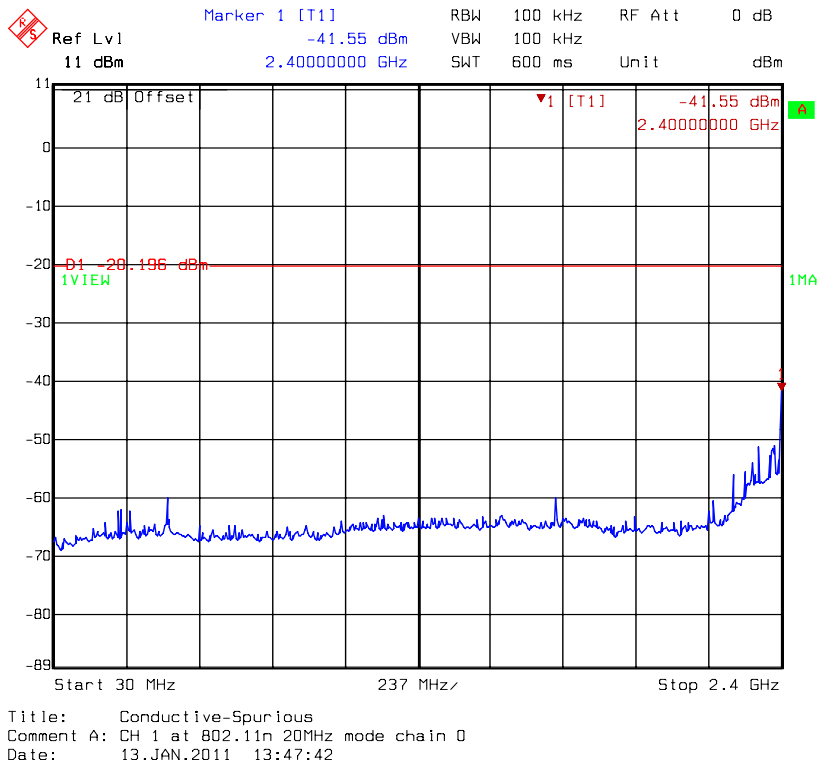
Chain 1: conducted spurious @ 802.11g mode channel 11 (2 of 3)



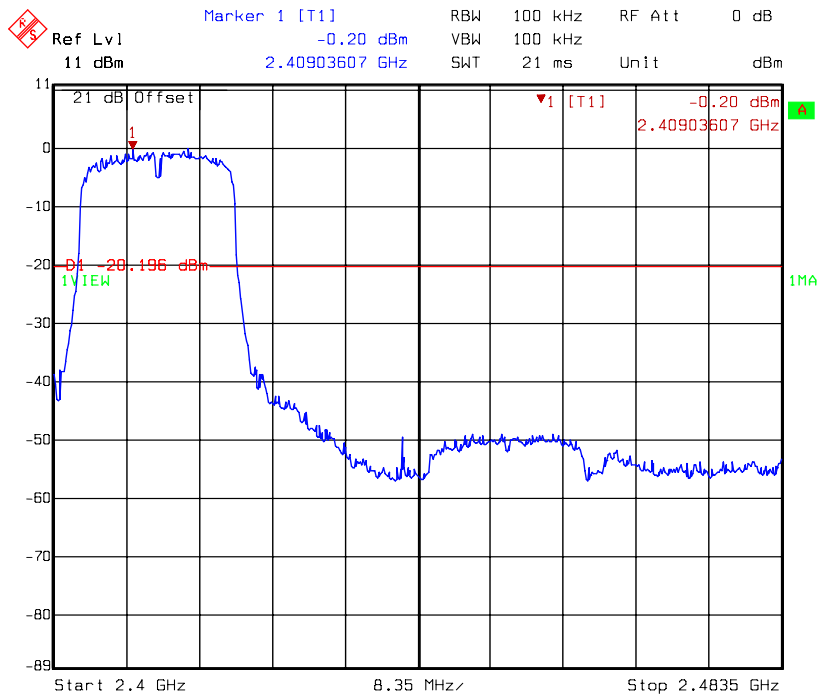
Chain 1: conducted spurious @ 802.11g mode channel 11 (3 of 3)



Chain 0: conducted spurious @ 802.11n HT20 mode channel 1 (1 of 3)

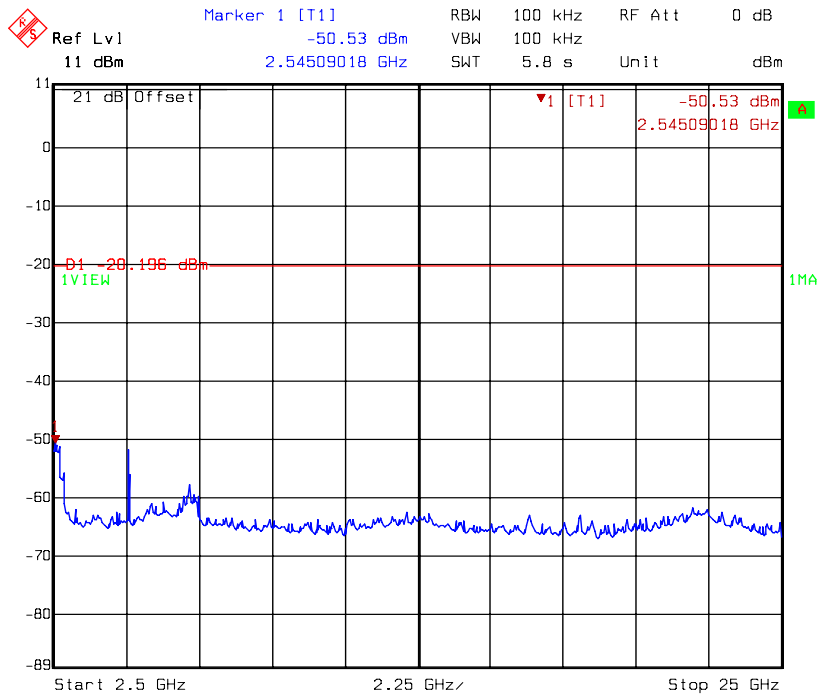


Chain 0: conducted spurious @ 802.11n HT20 mode channel 1 (2 of 3)



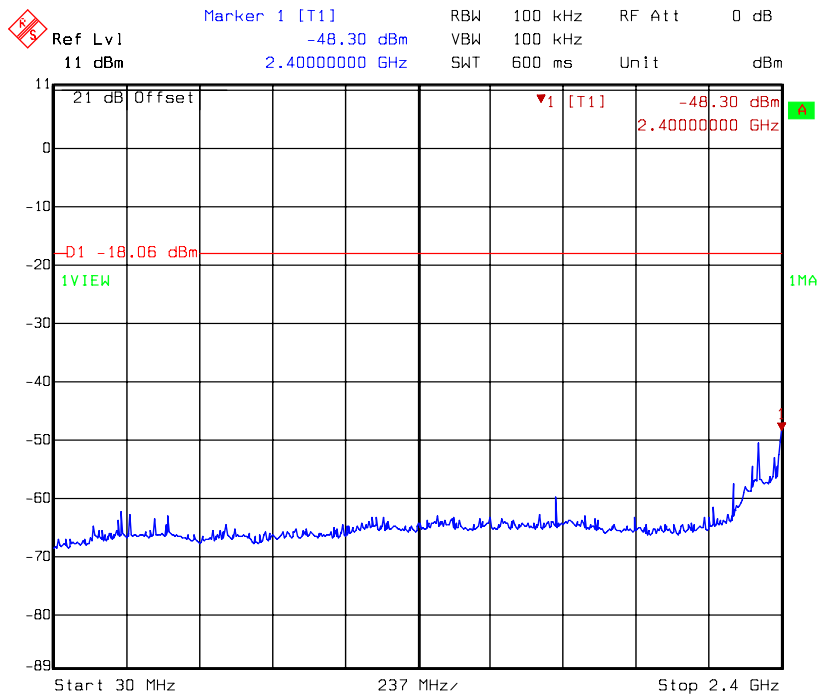
Title: Conductive-Spurious
Comment A: CH 1 at 802.11n 20MHz mode chain 0
Date: 13.JAN.2011 13:47:21

Chain 0: conducted spurious @ 802.11n HT20 mode channel 1 (3 of 3)



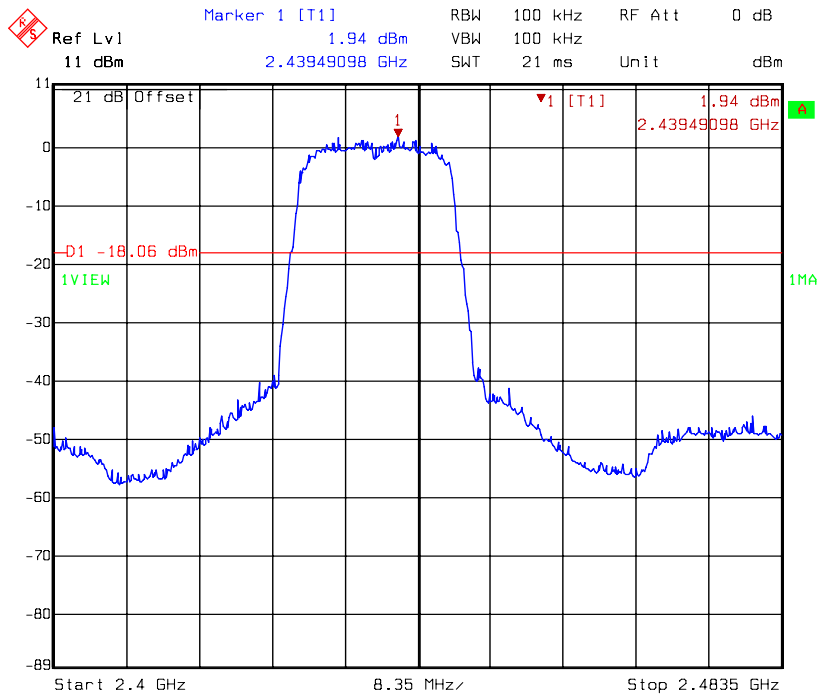
Title: Conductive-Spurious
Comment A: CH 1 at 802.11n 20MHz mode chain 0
Date: 13.JAN.2011 13:48:09

Chain 0: conducted spurious @ 802.11n HT20 mode channel 6 (1 of 3)



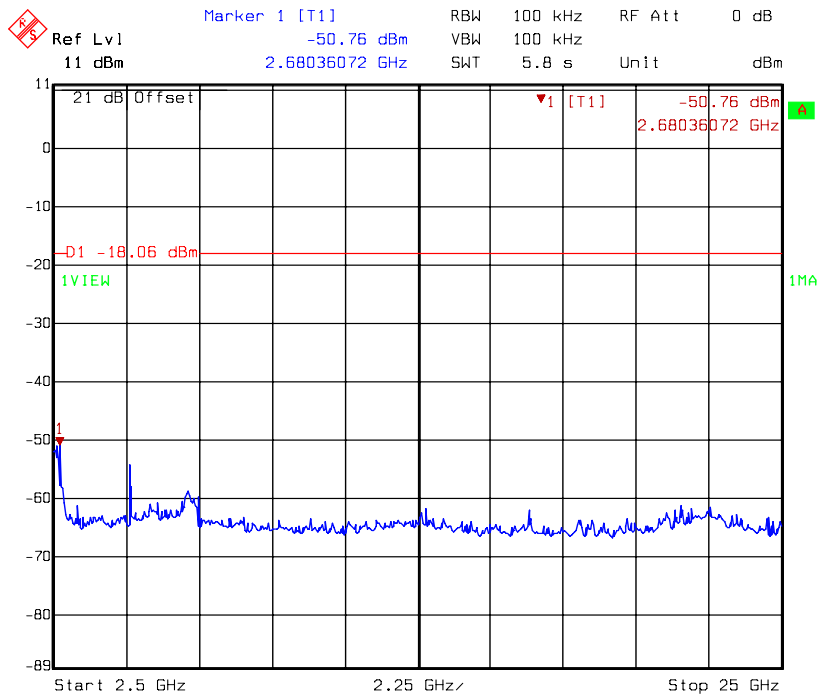
Title: Conductive-Spurious
Comment A: CH 6 at 802.11n 20MHz mode chain 0
Date: 13.JAN.2011 13:55:37

Chain 0: conducted spurious @ 802.11n HT20 mode channel 6 (2 of 3)



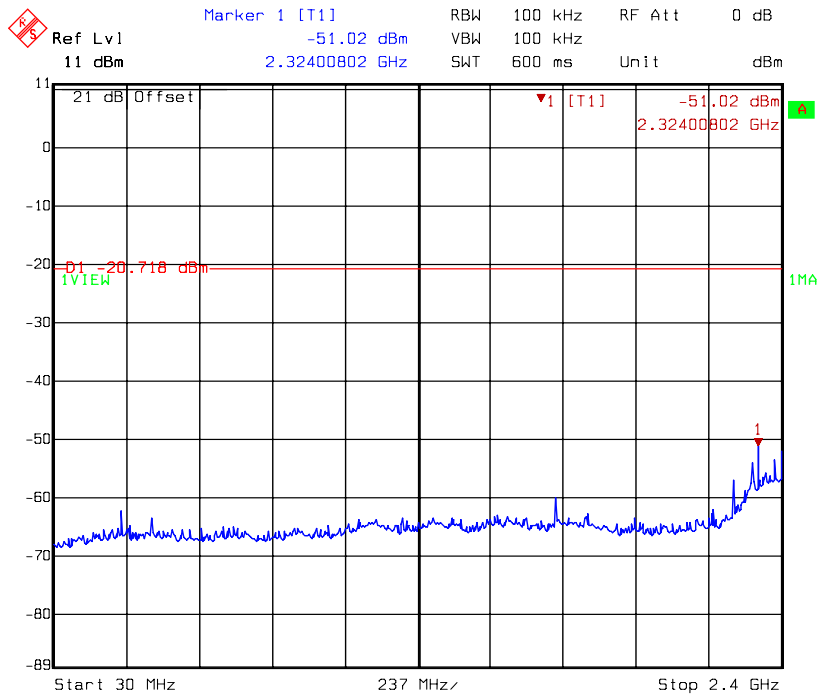
Title: Conductive-Spurious
Comment A: CH 6 at 802.11n 20MHz mode chain 0
Date: 13.JAN.2011 13:55:16

Chain 0: conducted spurious @ 802.11n HT20 mode channel 6 (3 of 3)



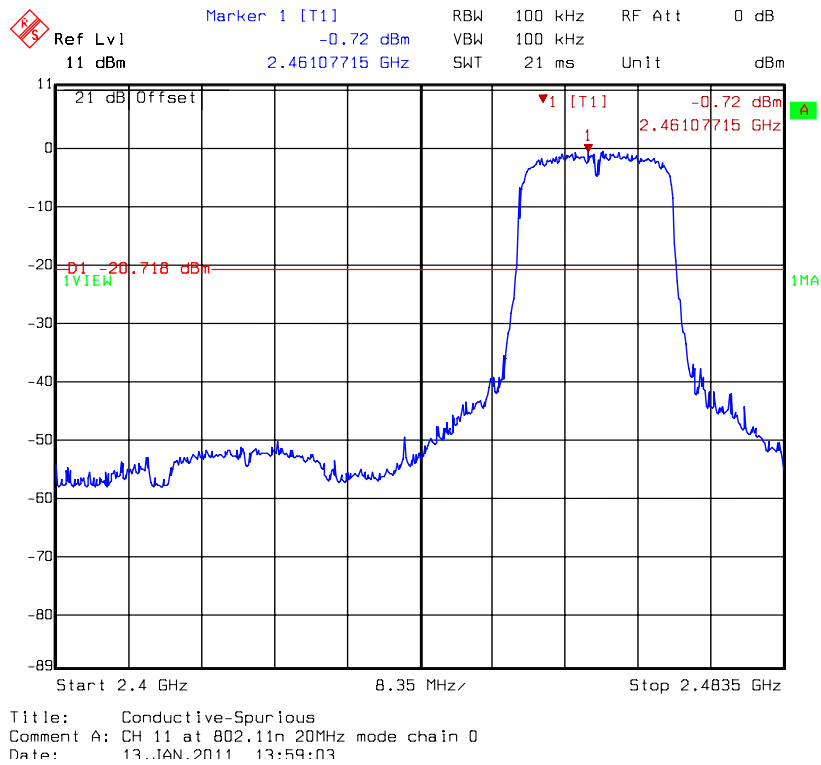
Title: Conductive-Spurious
Comment A: CH 6 at 802.11n 20MHz mode chain 0
Date: 13.JAN.2011 13:56:05

Chain 0: conducted spurious @ 802.11n HT20 mode channel 11 (1 of 3)

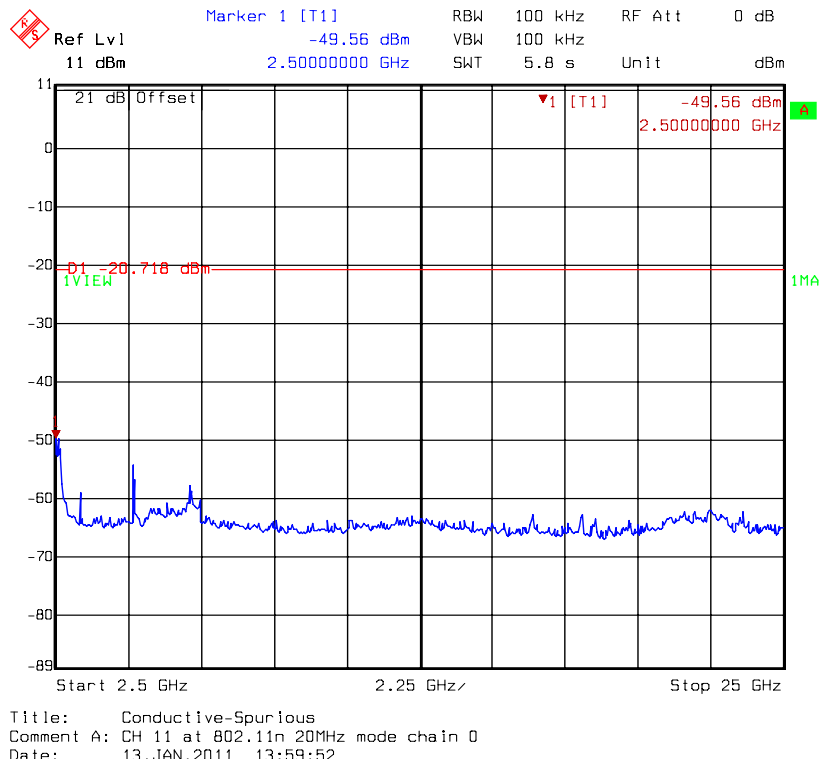


Title: Conductive-Spurious
Comment A: CH 11 at 802.11n 20MHz mode chain 0
Date: 13.JAN.2011 13:59:25

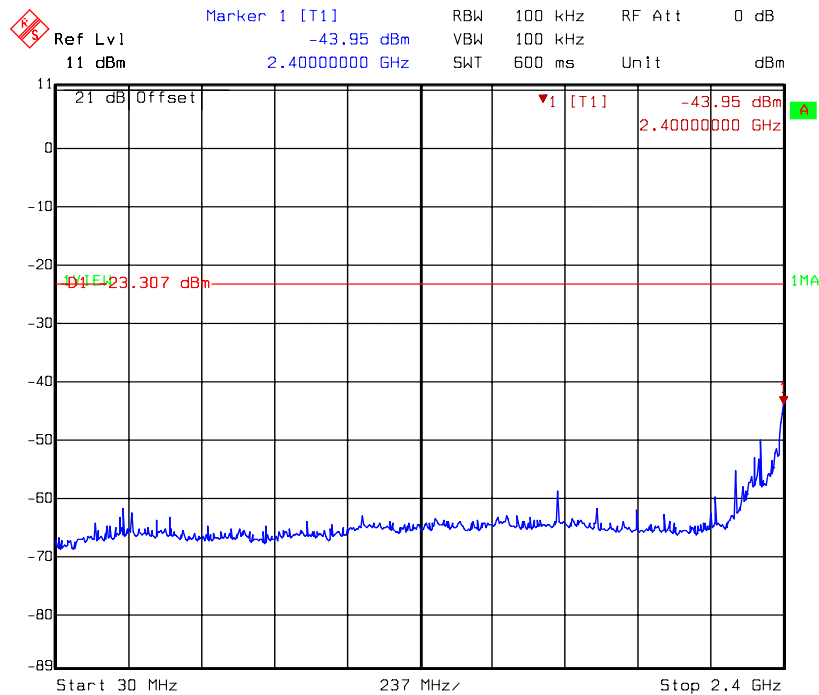
Chain 0: conducted spurious @ 802.11n HT20 mode channel 11 (2 of 3)



Chain 0: conducted spurious @ 802.11n HT20 mode channel 11 (3 of 3)

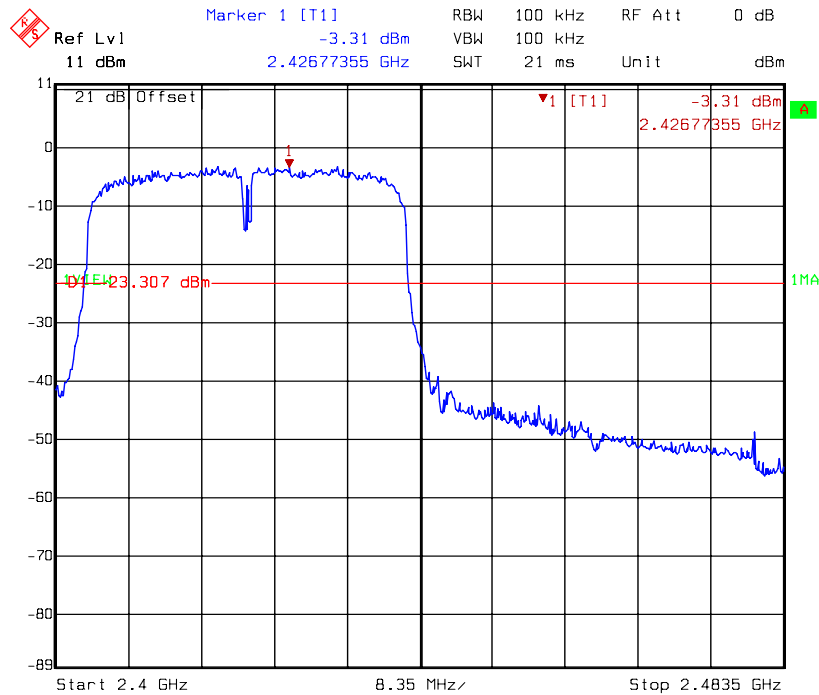


Chain 0: conducted spurious @ 802.11n HT40 mode channel 3 (1 of 3)



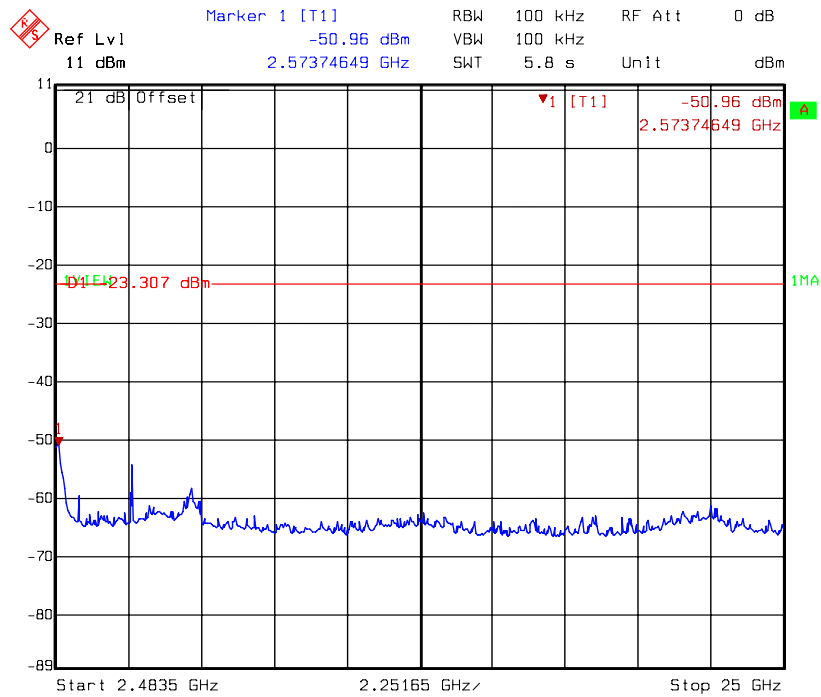
Title: Conductive-Spurious
Comment A: CH 3 at 802.11n 40MHz mode chain 0
Date: 13.JAN.2011 14:01:54

Chain 0: conducted spurious @ 802.11n HT40 mode channel 3 (2 of 3)



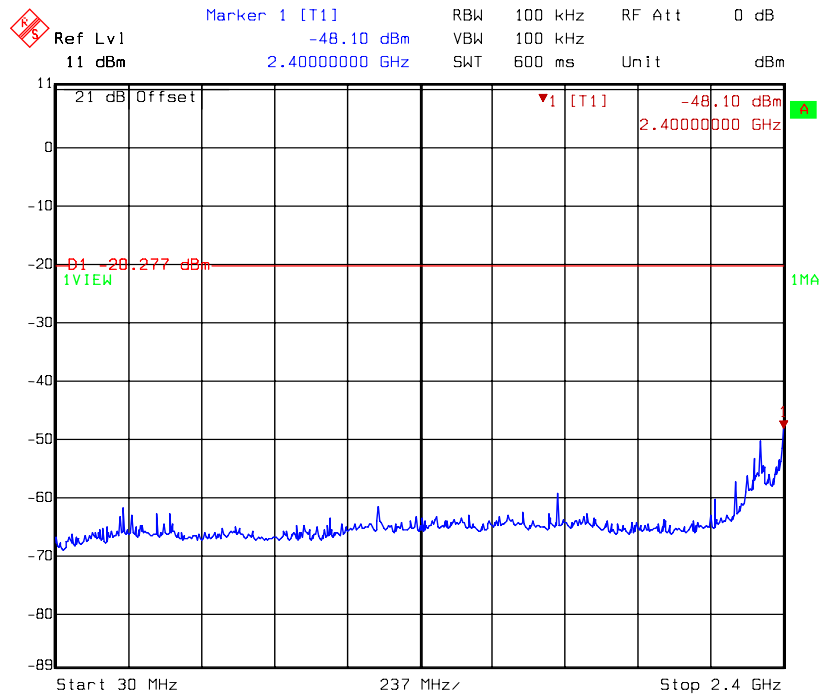
Title: Conductive-Spurious
Comment A: CH 3 at 802.11n 40MHz mode chain 0
Date: 13.JAN.2011 14:01:32

Chain 0: conducted spurious @ 802.11n HT40 mode channel 3 (3 of 3)



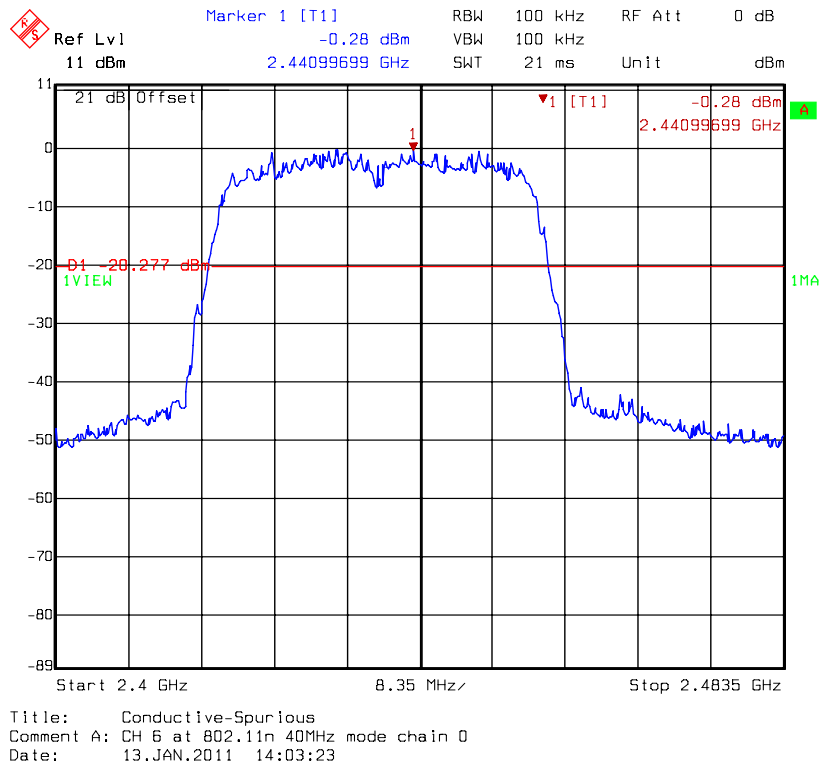
Title: Conductive-Spurious
Comment A: CH 3 at 802.11n 40MHz mode chain 0
Date: 13.JAN.2011 14:02:21

Chain 0: conducted spurious @ 802.11n HT40 mode channel 6 (1 of 3)

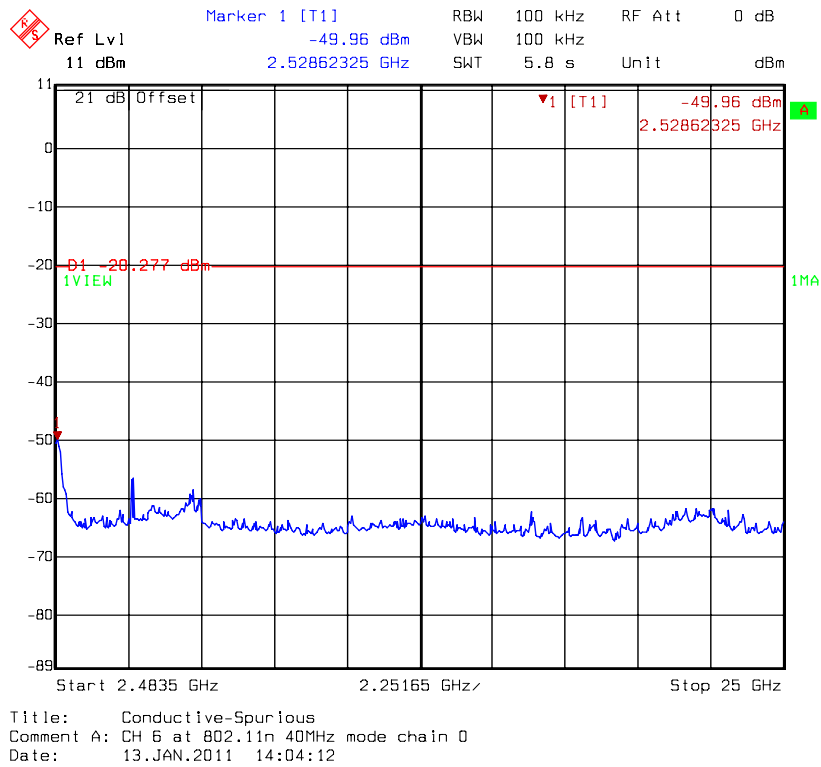


Title: Conductive-Spurious
Comment A: CH 6 at 802.11n 40MHz mode chain 0
Date: 13.JAN.2011 14:03:45

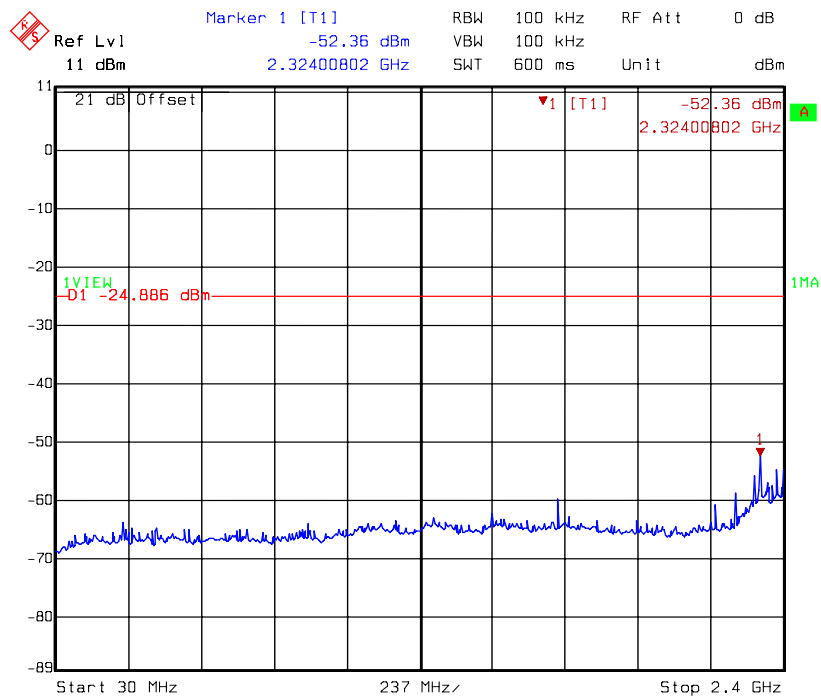
Chain 0: conducted spurious @ 802.11n HT40 mode channel 6 (2 of 3)



Chain 0: conducted spurious @ 802.11n HT40 mode channel 6 (3 of 3)

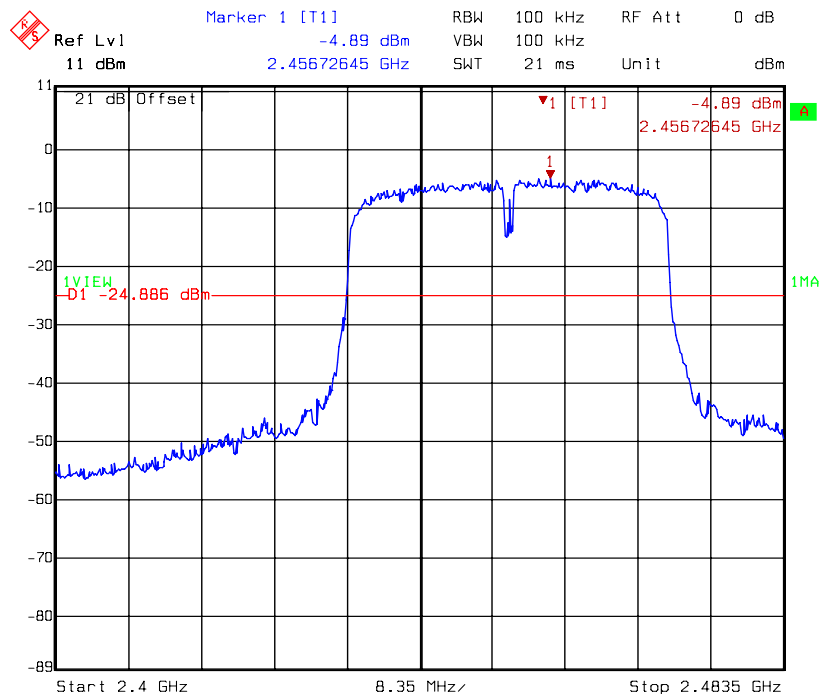


Chain 0: conducted spurious @ 802.11n HT40 mode channel 9 (1 of 3)



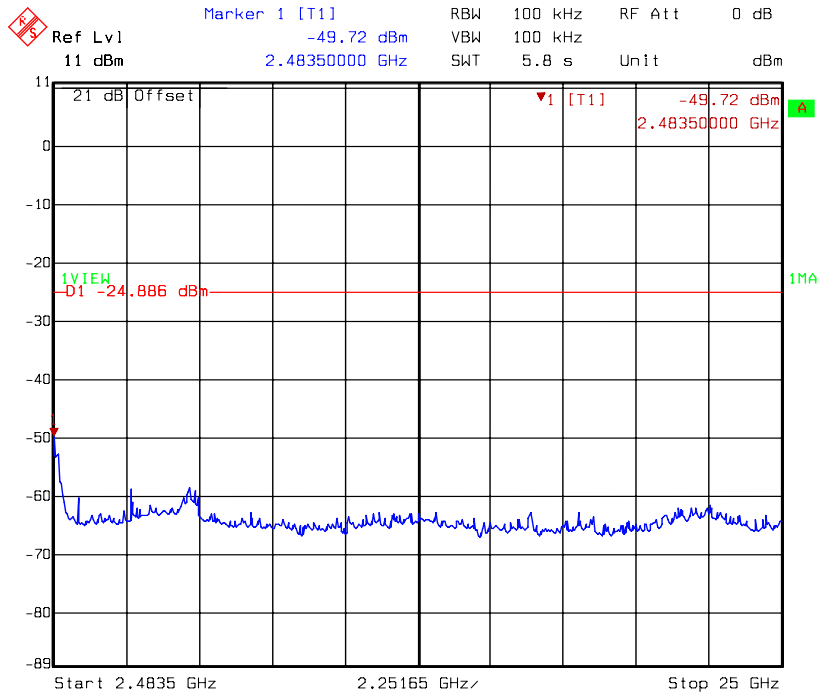
Title: Conductive-Spurious
Comment A: CH 9 at 802.11n 40MHz mode chain 0
Date: 13.JAN.2011 14:06:47

Chain 0: conducted spurious @ 802.11n HT40 mode channel 9 (2 of 3)



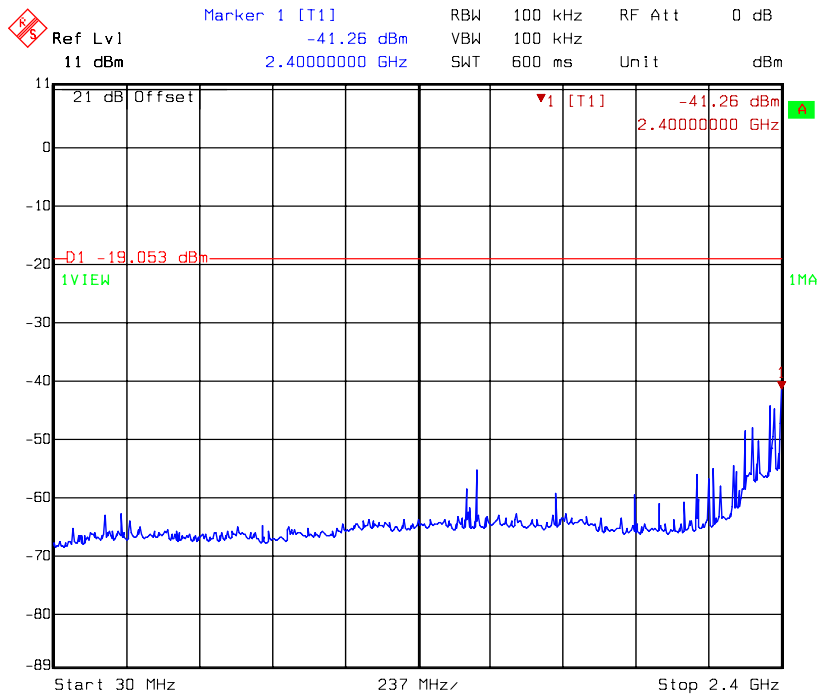
Title: Conductive-Spurious
Comment A: CH 9 at 802.11n 40MHz mode chain 0
Date: 13.JAN.2011 14:06:25

Chain 0: conducted spurious @ 802.11n HT40 mode channel 9 (3 of 3)



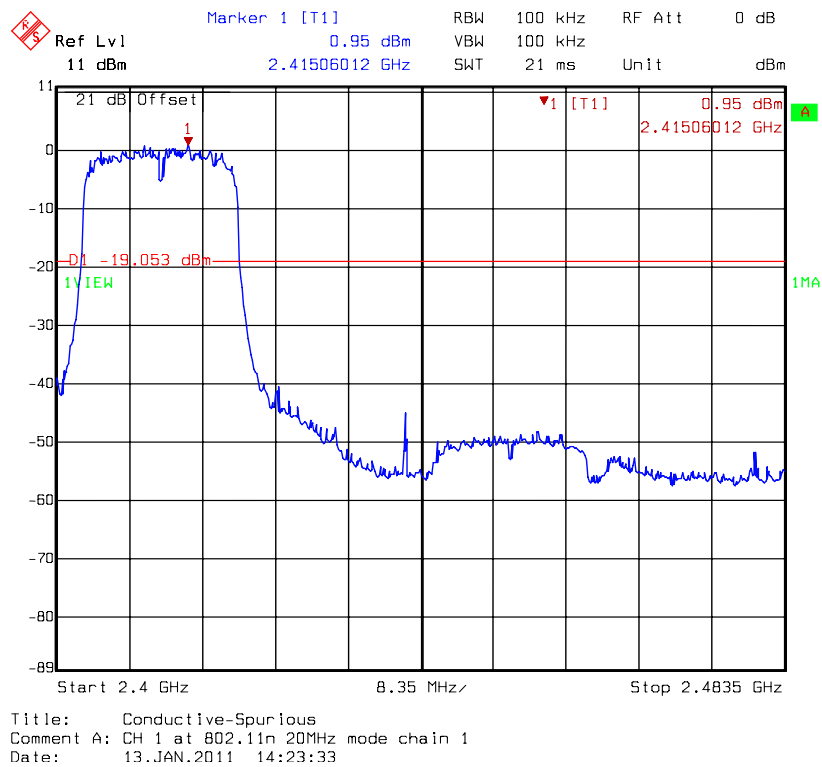
Title: Conductive-Spurious
Comment A: CH 9 at 802.11n 40MHz mode chain 0
Date: 13.JAN.2011 14:07:14

Chain 1: conducted spurious @ 802.11n HT20 mode channel 1 (1 of 3)

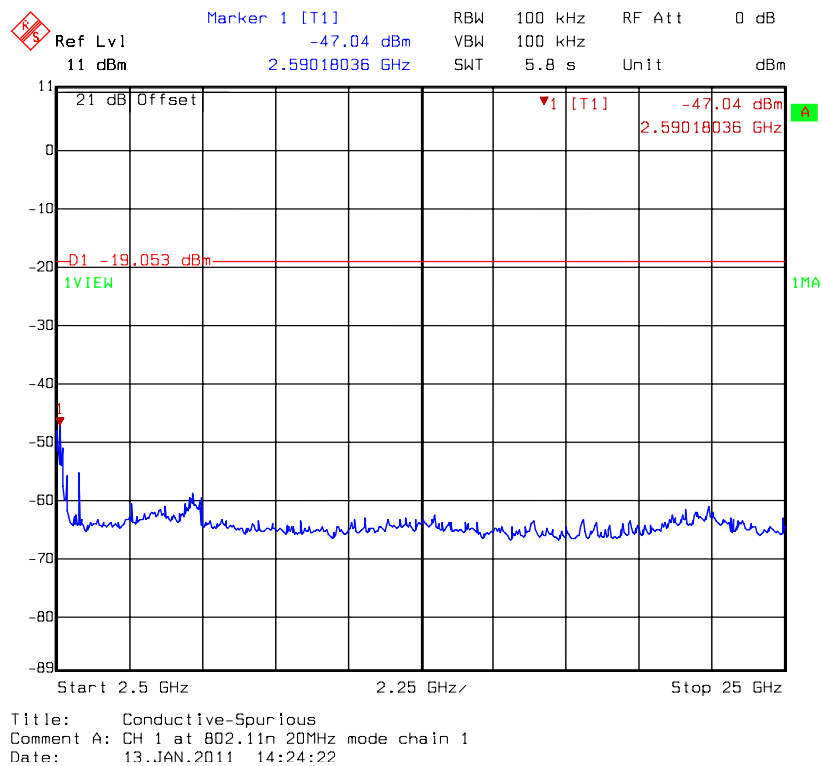


Title: Conductive-Spurious
Comment A: CH 1 at 802.11n 20MHz mode chain 1
Date: 13.JAN.2011 14:23:55

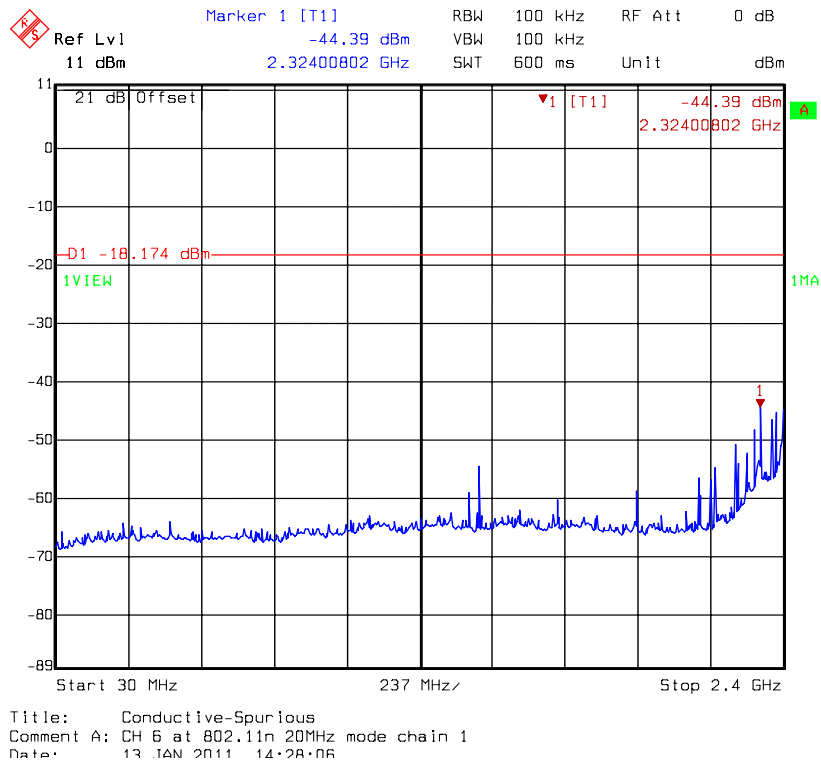
Chain 1: conducted spurious @ 802.11n HT20 mode channel 1 (2 of 3)



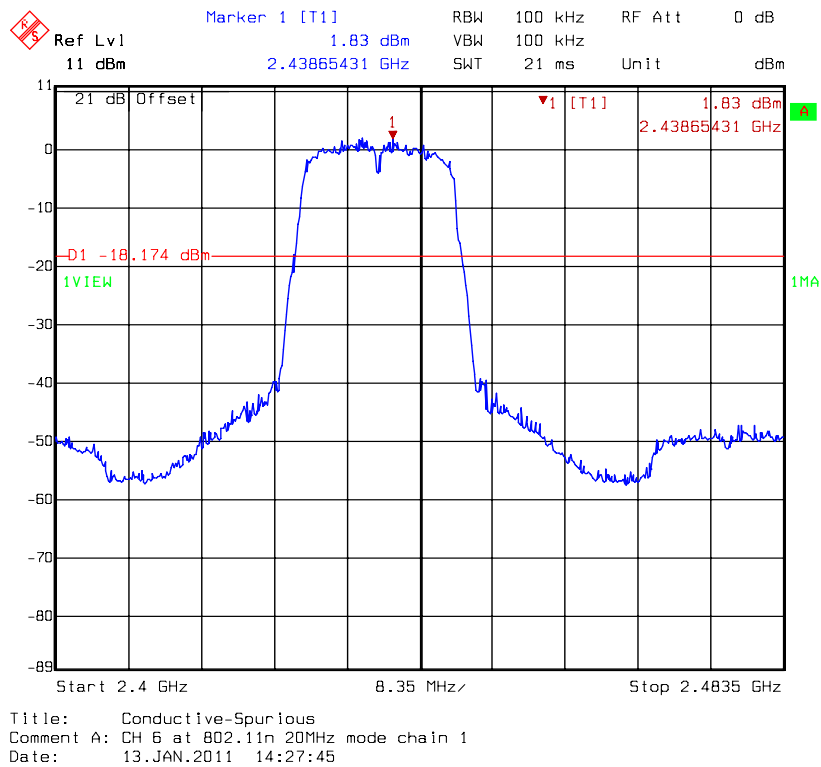
Chain 1: conducted spurious @ 802.11n HT20 mode channel 1 (3 of 3)



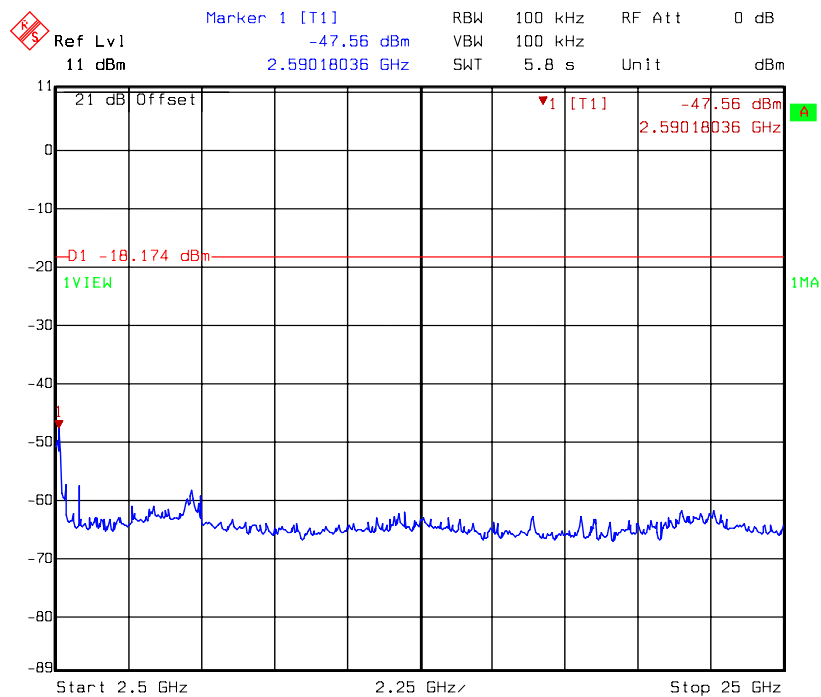
Chain 1: conducted spurious @ 802.11n HT20 mode channel 6 (1 of 3)



Chain 1: conducted spurious @ 802.11n HT20 mode channel 6 (2 of 3)

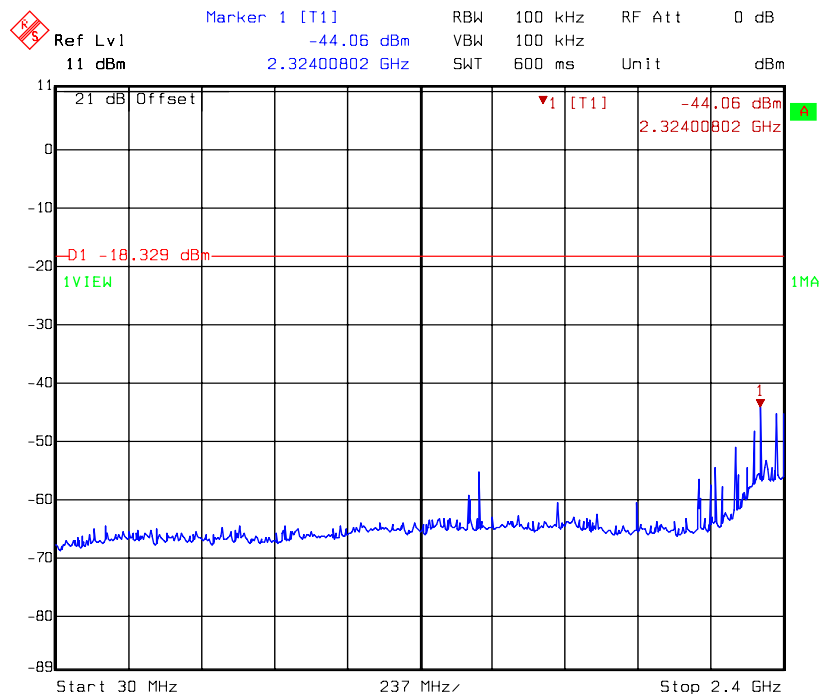


Chain 1: conducted spurious @ 802.11n HT20 mode channel 6 (3 of 3)



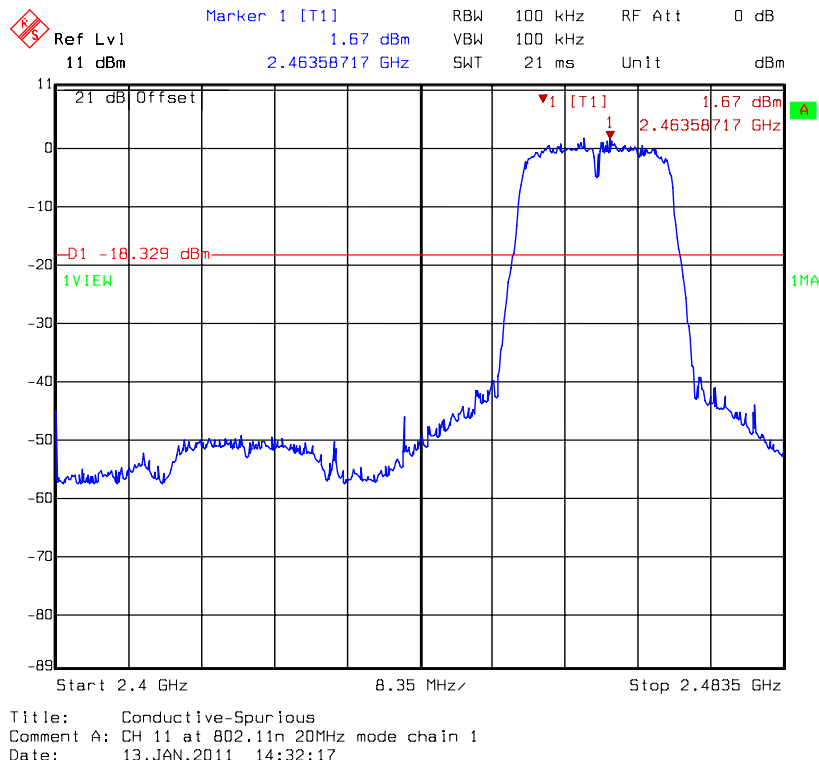
Title: Conductive-Spurious
Comment A: CH 6 at 802.11n 20MHz mode chain 1
Date: 13.JAN.2011 14:28:33

Chain 1: conducted spurious @ 802.11n HT20 mode channel 11 (1 of 3)

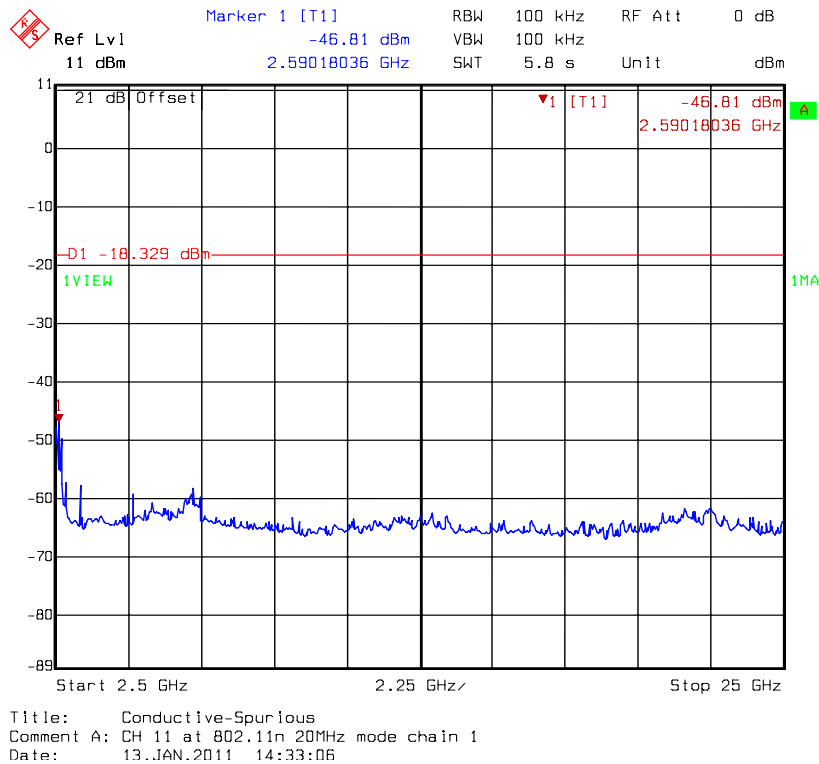


Title: Conductive-Spurious
Comment A: CH 11 at 802.11n 20MHz mode chain 1
Date: 13.JAN.2011 14:32:39

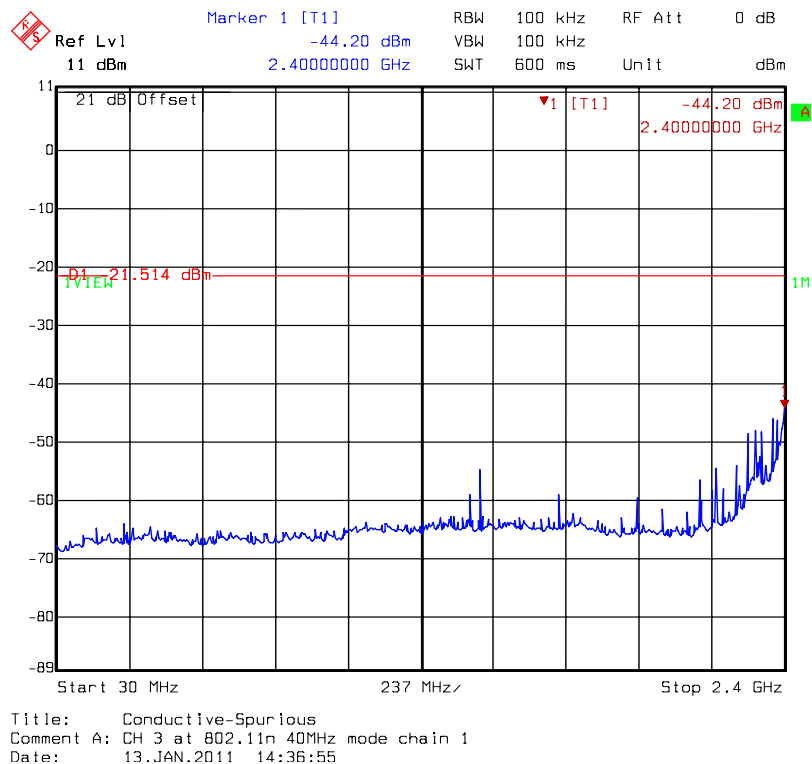
Chain 1: conducted spurious @ 802.11n HT20 mode channel 11 (2 of 3)



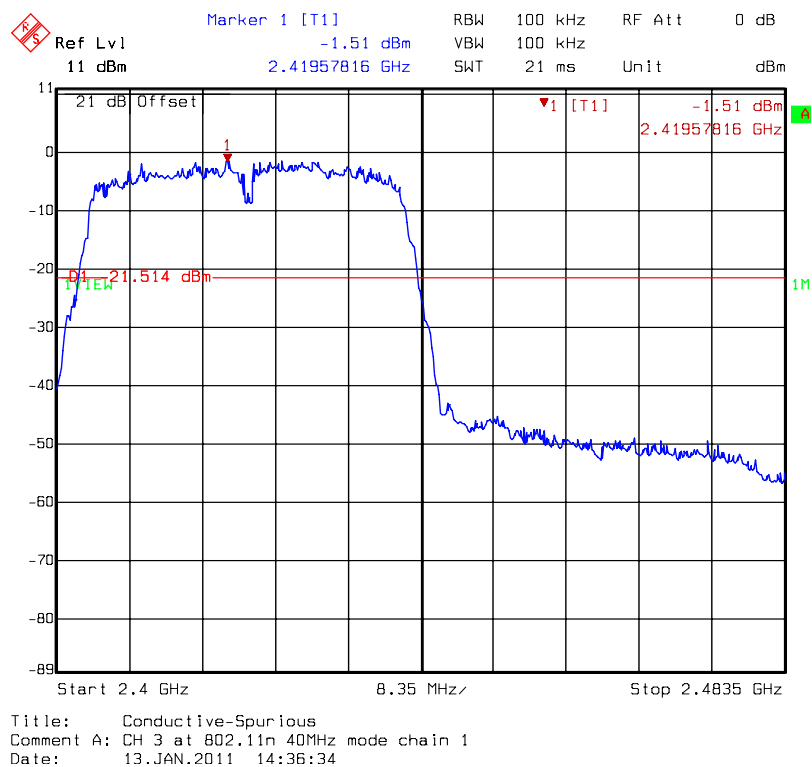
Chain 1: conducted spurious @ 802.11n HT20 mode channel 11 (3 of 3)



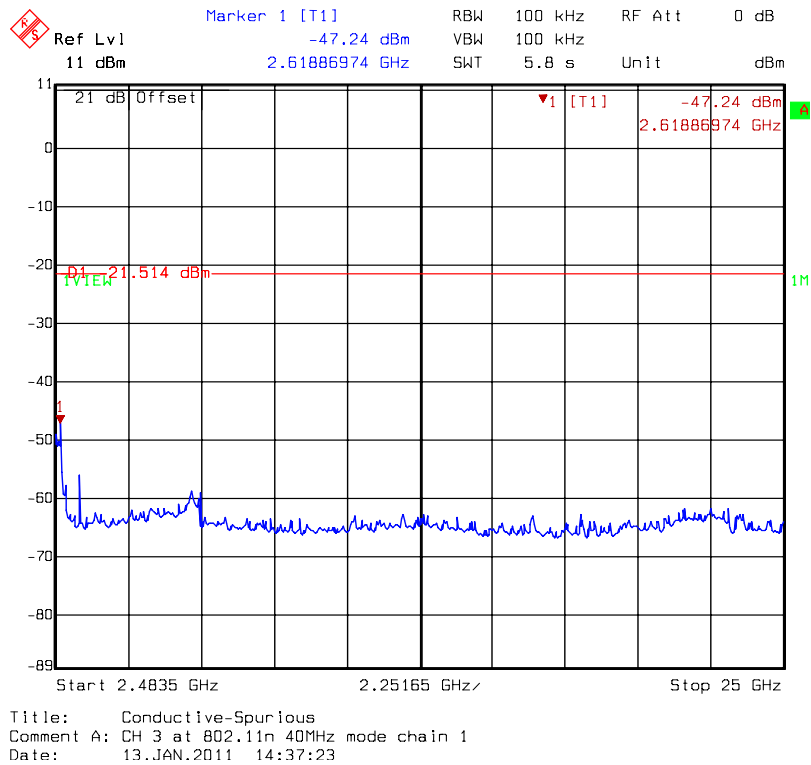
Chain 1: conducted spurious @ 802.11n HT40 mode channel 3 (1 of 3)



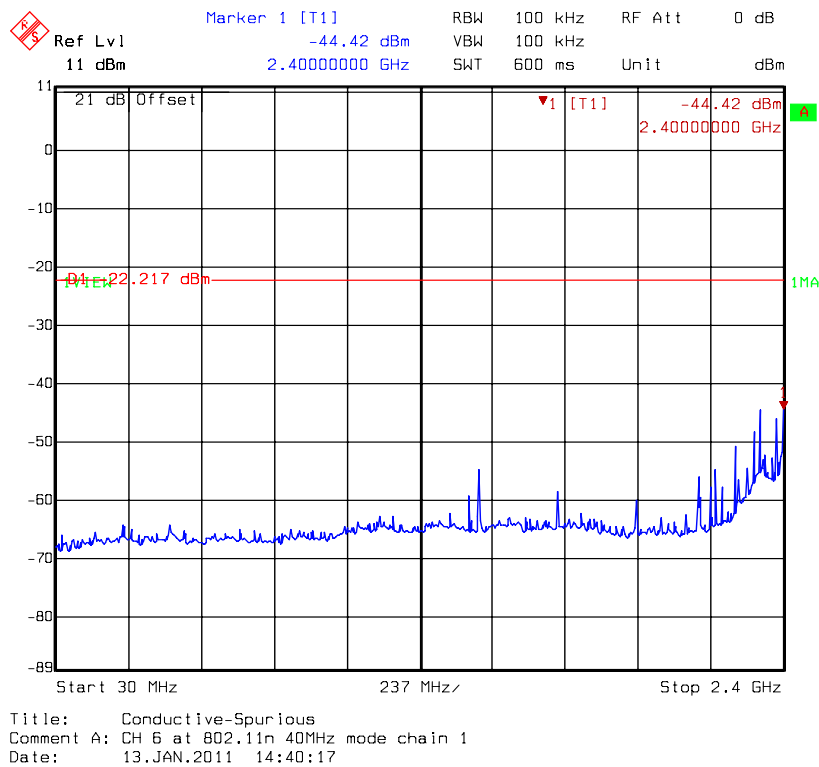
Chain 1: conducted spurious @ 802.11n HT40 mode channel 3 (2 of 3)



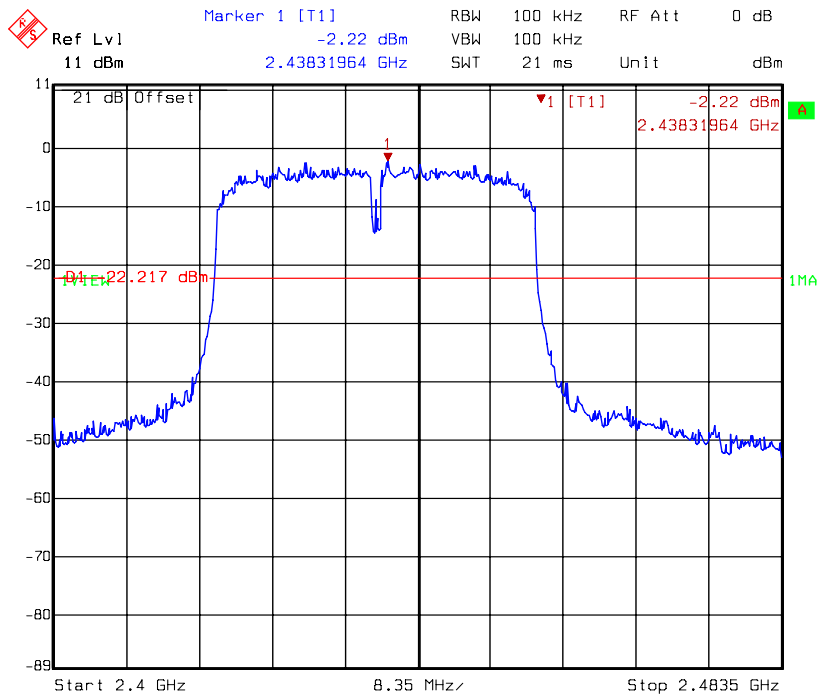
Chain 1: conducted spurious @ 802.11n HT40 mode channel 3 (3 of 3)



Chain 1: conducted spurious @ 802.11n HT40 mode channel 6 (1 of 3)

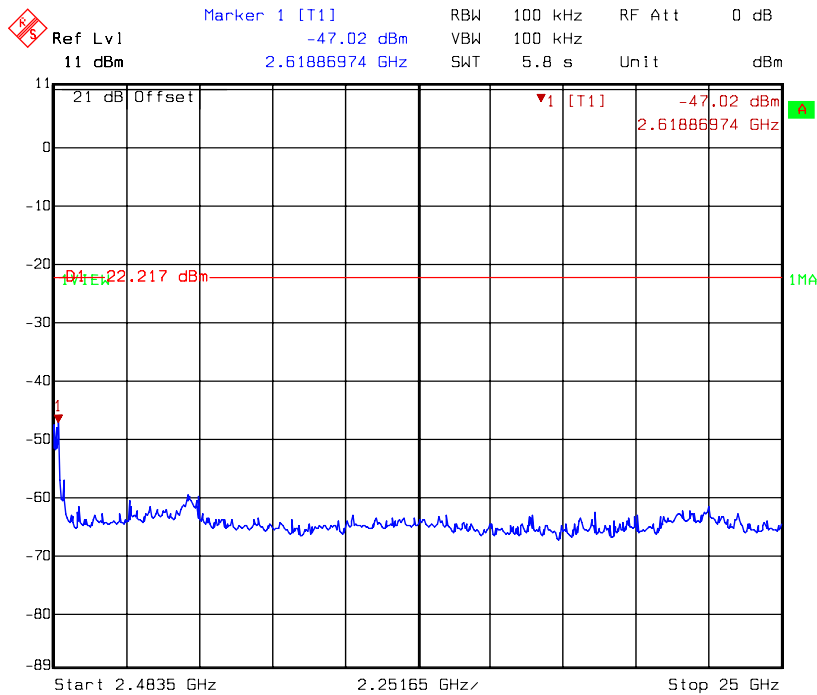


Chain 1: conducted spurious @ 802.11n HT40 mode channel 6 (2 of 3)



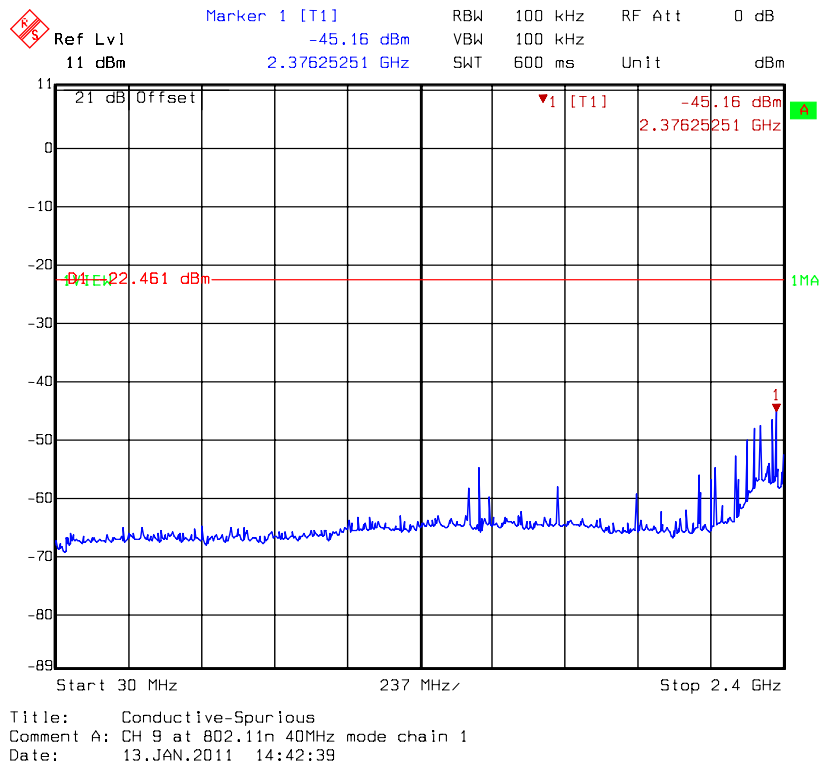
Title: Conductive-Spurious
Comment A: CH 6 at 802.11n 40MHz mode chain 1
Date: 13.JAN.2011 14:39:56

Chain 1: conducted spurious @ 802.11n HT40 mode channel 6 (3 of 3)

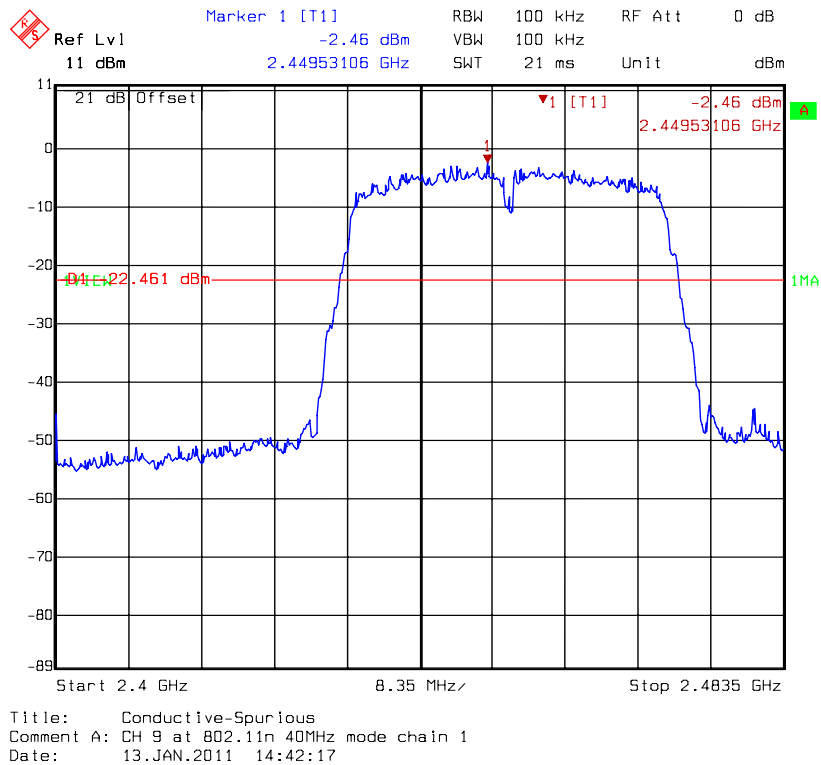


Title: Conductive-Spurious
Comment A: CH 6 at 802.11n 40MHz mode chain 1
Date: 13.JAN.2011 14:40:44

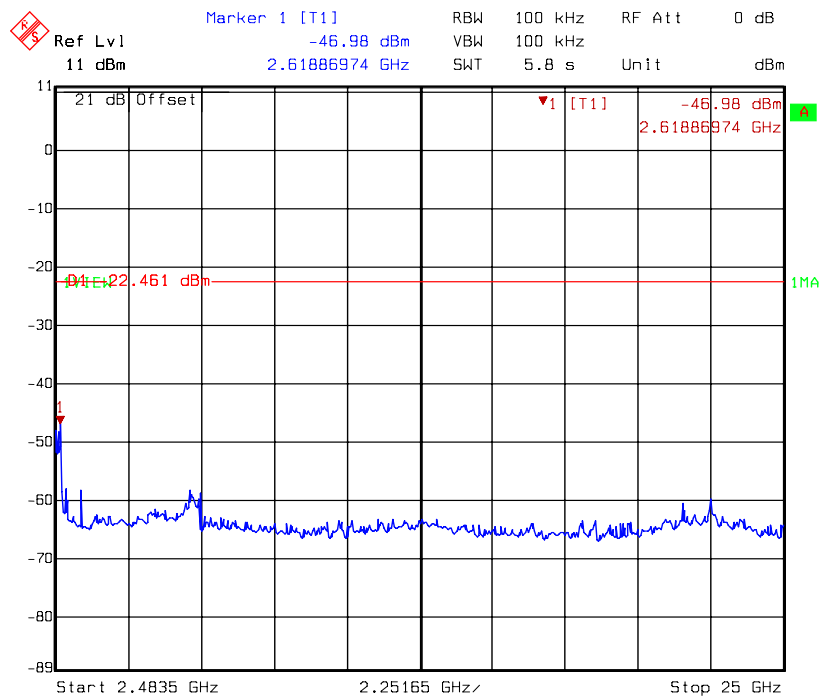
Chain 1: conducted spurious @ 802.11n HT40 mode channel 9 (1 of 3)



Chain 1: conducted spurious @ 802.11n HT40 mode channel 9 (2 of 3)



Chain 1: conducted spurious @ 802.11n HT40 mode channel 9 (3 of 3)



Title: Conductive-Spurious
Comment A: CH 9 at 802.11n 40MHz mode chain 1
Date: 13.JAN.2011 14:43:06