



Elite Pro S1200 Smart Thermostat

Report #: 24003

FCC ID: HS9-THX1200WF01

IC: 573R-THX1200WF01

FCC 15.247

RSS-247 Issue 3

RSS-Gen Issue 5 + A1 + A2

2.4 GHz Infrared Motion Sensor

Issue Date: <2025-06-17>

Prepared by and for:

Resideo LLC.

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Testing

NVLAP Lab Code: 600110

REVISION HISTORY

Revision Number	Prepared By	Reviewed By	Revision Detail	Release Date
00	Jose Badia	Christian Fouth	Original version	05/30/2025
1.0	Jose Badia	Christian Fouth	Updated Band edge data due to lower max power	06/04/2025
2.0	Jose Badia	Christian Fouth	- 99% OBW update - Replaced 802.11b 11mbps CSE side antenna plot - Replaced Max PSD Mid Channel Side antenna plots - Replaced 802.11n HT40 mcs7 Low channel CBE plots	06/11/2025
3.0	Jose Badia	Christian Fouth	Removed the Duty Cycle section	06/17/2025

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ATTESTATION OF TEST RESULTS

Company Name: Resideo LLC., 2 Corporate Center Dr., Melville, NY 11747, USA
EUT Description: Smart Thermostat
Model: Elite Pro S1200
Sample Number: MEL-1175, MEL-1174
Sample receipt date: 04/16/2025
Last Date of test: 06/11/2025

Standards

Specification	Method
CFR 47 Pt 15 Subpart C, Section 15.247:2023	ANSI C63.10: 2013
RSS-247 Issue 3	
RSS-GEN Issue 5 +A1 +A2	

Guidance

FCC KDB 558074 V05R02:2019

Resideo LLC. tested the above equipment in accordance with the requirements set forth in the listed standards. All indications of Pass/Fail in the report are opinions expressed by Resideo LLC. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

This document is a record of the FCC/ISED Test Report for Resideo LLC. products. It demonstrates the data required to be analyzed to certify a product according to the requirements of the FCC & ISED.

The results in the report reflect only the tested samples, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only.

This document may not be altered or revised in any way unless done so by Resideo LLC. and all revisions are duly noted in the revisions section. Any alterations of this document not carried out by Resideo LLC. will constitute fraud and shall nullify the document.

Resideo LLC. is the legal entity name for Honeywell Home / Resideo. All three names can be used interchangeably within this test report.

Report Prepared By:



Name: Jose Badia
Title: Regulatory Certification Engineer
Resideo LLC.

Reviewed & Approved By:



Name: Christian Fouth
Title: Sr. Wireless Certification Engineer
Resideo LLC.

TEST RESULT SUMMARY

Test Description	Result	FCC Section (s)	RSS Section (s)	Comments
Emissions Bandwidth (6dB)	Pass	15.247	RSS-247 5.2	
Occupied Bandwidth (99%)	Evaluated	15.247	RSS-Gen 6.7	There is no compliance requirement for this test
Output Power	Pass	15.247	RSS-247 5.4	
Power Spectral Density	Pass	15.247	RSS-247 5.2	
Spurious Conducted Emissions	Pass	15.247	RSS-247 5.5	
Band Edge Compliance	Pass	15.247	RSS-247 5.5	

Deviations from test standard

None

ACCREDITATIONS AND AUTHORIZATIONS

USA
FCC - test site and measurement facility used to collect data are located at 2 Corporate Center Dr., Melville, NY 11747, USA. Resideo LLC. is accredited by NVLAP, Laboratory Code 600110-0 . The full scope of accreditation can be viewed at the NVLAP website. Designation Number: US5344
Canada
ISED - test site and measurement facility used to collect data are located at 2 Corporate Center Dr., Melville, NY 11747, USA. Resideo LLC. is accredited by NVLAP, Laboratory Code 600110-0 . The full scope of accreditation can be viewed at the NVLAP website. CAB Identifier: US0242

MEASUREMENT UNCERTAINTY

The measuring equipment utilized to perform the tests documented in this report have been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Parameter	Uncertainty (+/-)
Frequency Accuracy	0.0007
Amplitude Accuracy (dB)	1.2
Conducted Power (dB)	1.2
Temperature (°C)	0.7
Humidity (% RH)	2.5
DC Supply Voltages	0.7
AC Supply Voltages	1

Uncertainty figures are valid to a confidence level of 95%.

Test Setup Block Diagrams

Measurement Bandwidths

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 – 0.15	1.0	0.2	0.2
0.15 – 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

Unless otherwise stated, measurements were made using the bandwidths and detectors specified. No video filter was used

Antenna Port Conducted Measurements



Sample Calculation

Where relevant, the following sample calculation is provided:

Conducted Emissions:

Adjusted Level (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Transducer Factor (dB)

EQUIPMENT UNDER TEST

Test Item Description

The THX1200WF01 is a Redlink, Wi-Fi, BLE (Bluetooth Low Energy), and Radar enabled thermostat operating in the, 900MHz, 2.4GHz, 5Ghz ISM band and 60GHz band for Radar.

This report covers only the 802.11 b/g/n 2.4 GHz portion of the device.

Test Sample Identification

Sample ID Number	Date Received
MEL-1175 (Antenna port testing)	04/16/2025
MEL-1174 (Conducted AC Line testing)	04/16/2025

Worst-Case Configuration & Mode

Testing was performed with the EUT set to transmit at the low/middle/high channels with the output power settings shown in the Power Setting section of this report.

Antenna description

Antenna	Type	Frequency Range (MHz)	Gain (dBi)
Side Antenna	PCB	2412 - 2462	2.4
Top Antenna	PCB	2412 - 2462	1.3

Test & Measurement Equipment

The following test and measurement equipment was utilized for the tests documented in this report:

Equipment List

Instrument Type	ID #	Serial #	Manufacturer	Model	Cal Date	Cal Due Date
RF Lab (Power & Antenna Port Measurements)						
Spectrum Analyzer	11549	MY46187211	Agilent	E4440A	3/5/2024	3/5/2026
Power Sensor	11568	105317	Rohde & Schwarz	NRP-Z81	11/3/2023	11/3/2025
Attenuator	-	1624	Pasternack	PE7087-6	03/25/2025	03/25/2026
Misc.						
Measurement Software	11543	Version 9.5	UL	UL EMC	N/A	N/A
Environmental Meter	11548	A078188	Extech Instruments	SD700	3/29/2024	3/31/2027

*-Passive devices & Preamps are characterized in-house, not calibrated.

ANTENNA PORT MEASUREMENTS

6dB Emission Bandwidth (DTS Bandwidth)

Test Description

Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission. Refer to KDB 558074 D01 15.247 Meas Guidance v05.

Test Criteria

Reference	Method	Limit
CFR 47 Subpart C 15.247 (a)(2) RSS-247 Section 5.2 (a)	ANSI C63.10:2013	≥ 500kHz

Test Information

Tester	Test Location	Date	Temperature (°C)	Humidity (%RH)	Pressure (mbar)	Results (P/F)
Jose Badia	RF Lab	5/15/2025	23.33	51	1021.0	P

Test Results

802.11b – 1Mbps

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	
		Side Antenna	Top Antenna
Low	2412	10.13	10.12
Mid	2437	10.12	10.10
High	2462	10.11	10.09

802.11b – 11Mbps

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	
		Side Antenna	Top Antenna
Low	2412	10.47	10.39
Mid	2437	10.44	10.47
High	2462	10.63	10.34

802.11g – 6Mbps

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	
		Side Antenna	Top Antenna
Low	2412	16.41	16.41
Mid	2437	16.44	16.41
High	2462	16.44	16.48

802.11g – 36Mbps

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	
		Side Antenna	Top Antenna
Low	2412	16.55	16.52
Mid	2437	16.51	16.53
High	2462	16.52	16.55

802.11g – 54Mbps

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	
		Side Antenna	Top Antenna
Low	2412	16.51	16.49
Mid	2437	16.46	16.51
High	2462	16.48	16.53

802.11n HT20 – msc0

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	
		Side Antenna	Top Antenna
Low	2412	17.60	17.59
Mid	2437	17.59	17.61
High	2462	17.51	17.59

802.11n HT20 – msc7

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	
		Side Antenna	Top Antenna
Low	2412	17.70	17.69
Mid	2437	17.74	17.71
High	2462	17.69	17.73

802.11n HT40 – msc0

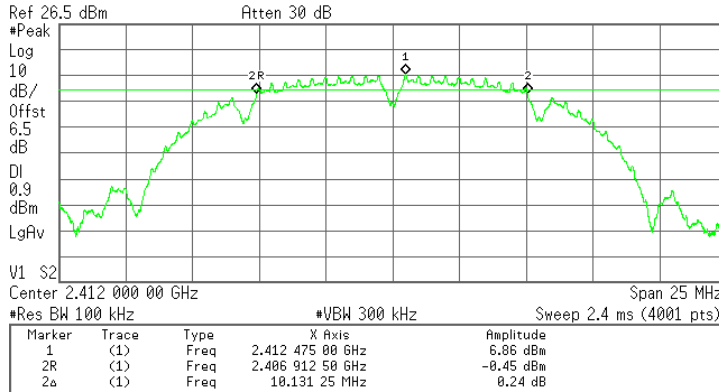
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	
		Side Antenna	Top Antenna
Low	2422	35.97	35.91
Mid	2437	36.04	36.08
High	2452	36.34	36.23

802.11n HT40 – msc7

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	
		Side Antenna	Top Antenna
Low	2422	36.39	36.43
Mid	2437	36.43	36.41
High	2452	36.46	36.43

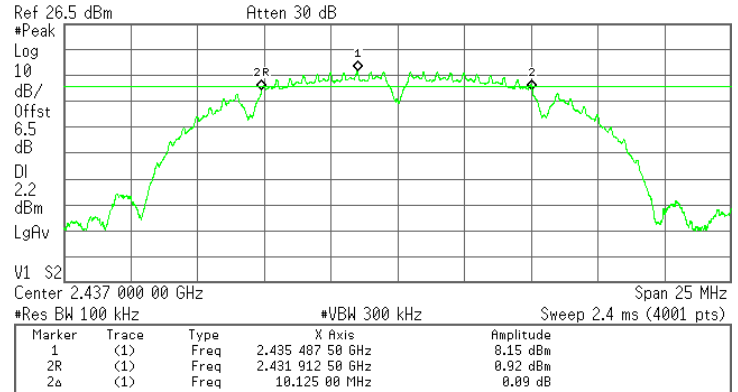
802.11b 1Mbps – Side Antenna

* Agilent



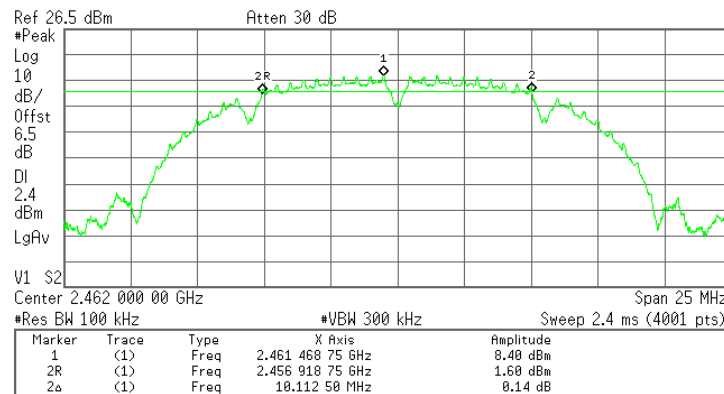
Low Channel - Plot

* Agilent



Mid Channel - Plot

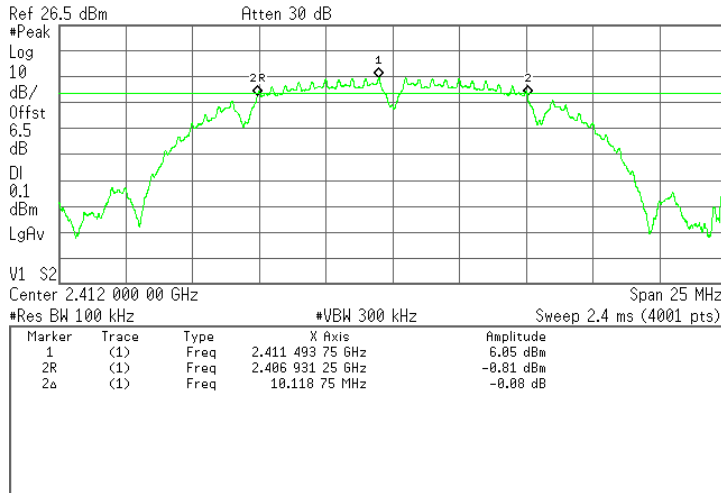
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High Channel - Plot

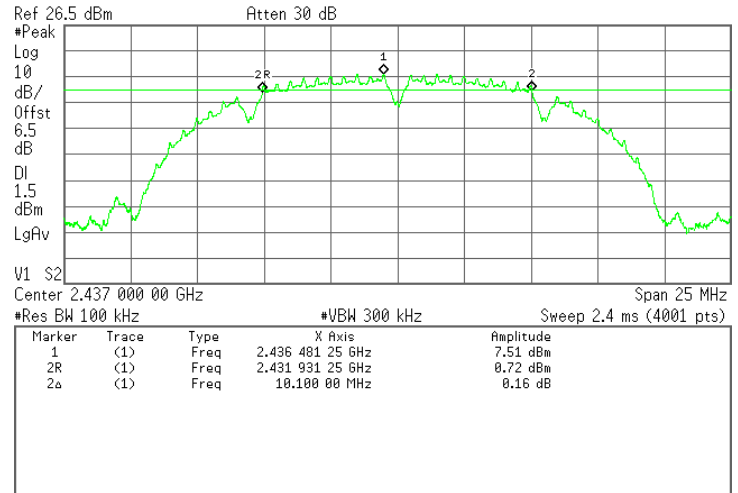
802.11b 1Mbps – Top Antenna

✱ Agilent



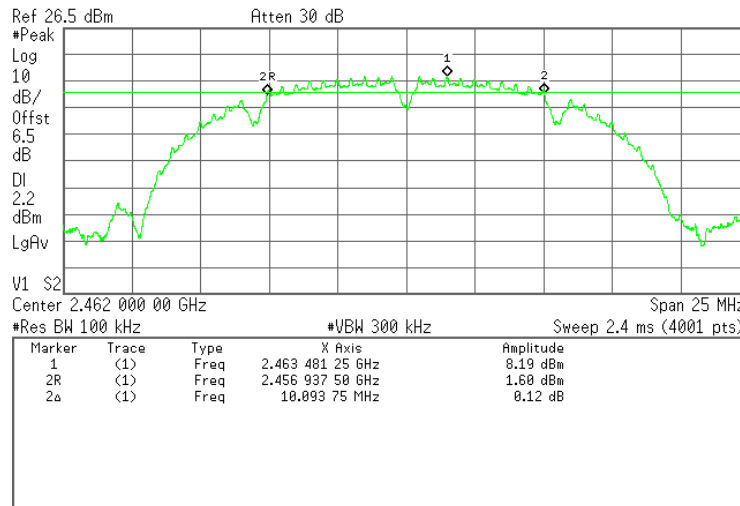
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

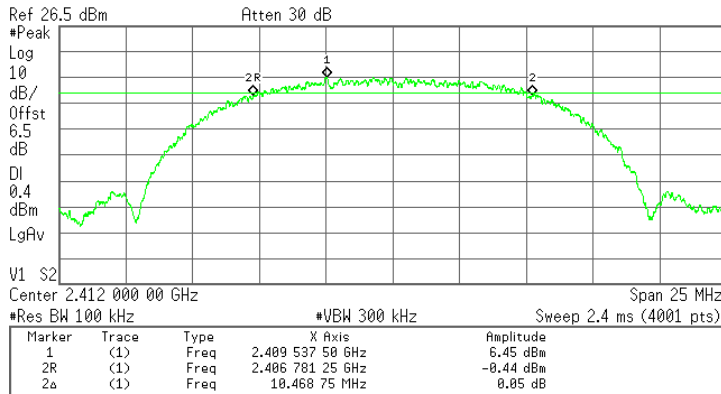
✱ Agilent



High Channel - Plot

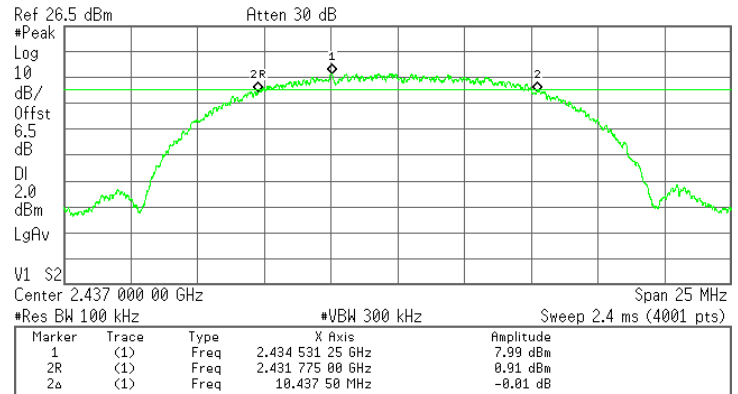
802.11b 11Mbps – Side Antenna

* Agilent



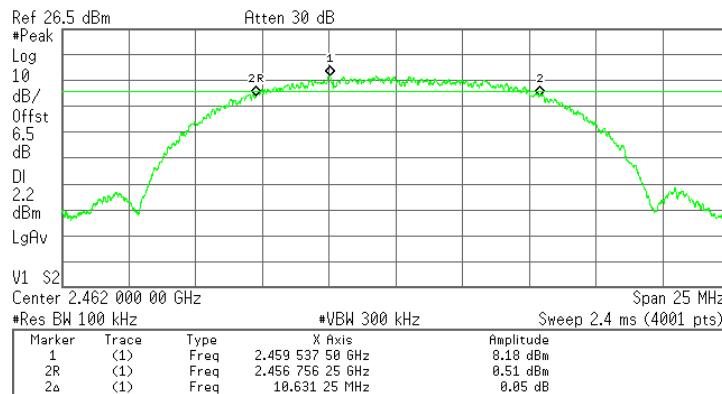
Low Channel - Plot

* Agilent



Mid Channel - Plot

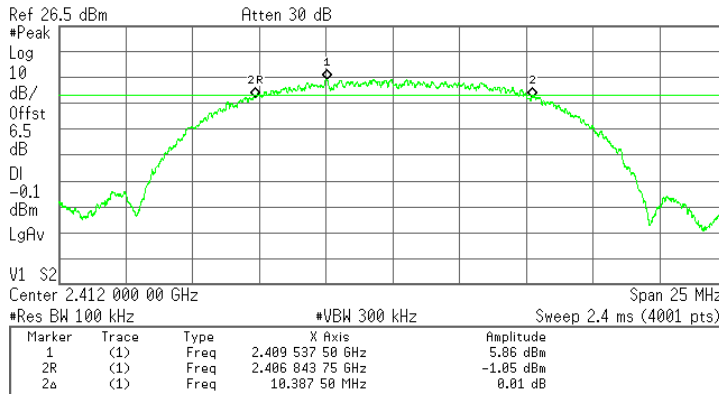
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High Channel - Plot

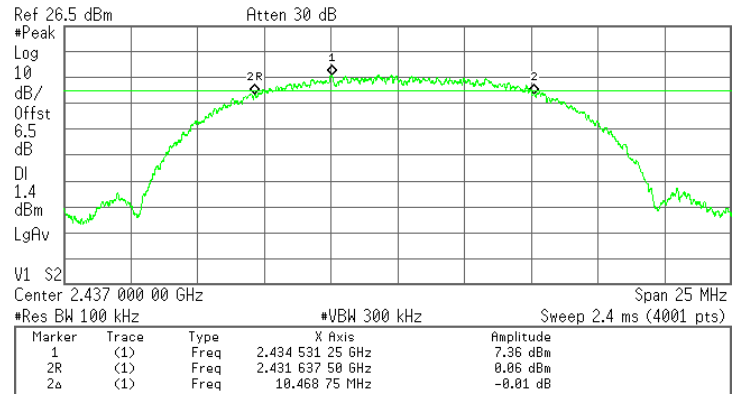
802.11b 11Mbps – Top Antenna

* Agilent



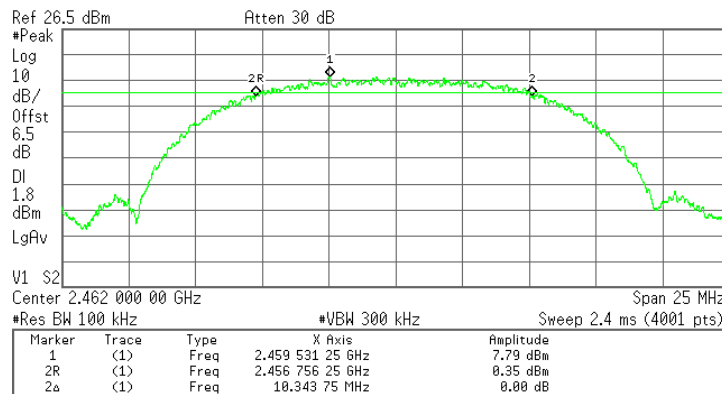
Low Channel - Plot

* Agilent



Mid Channel - Plot

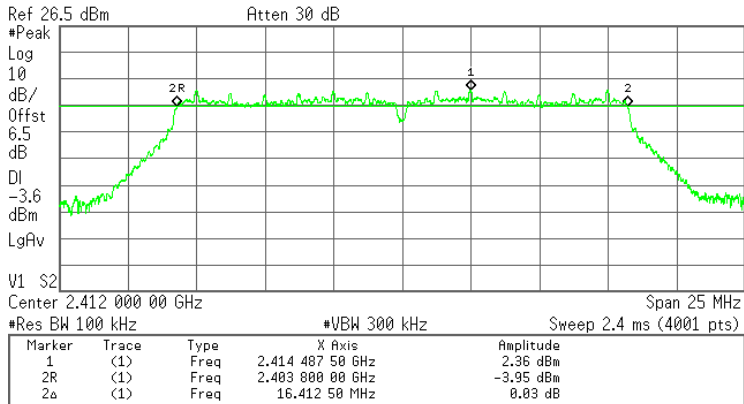
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High Channel - Plot

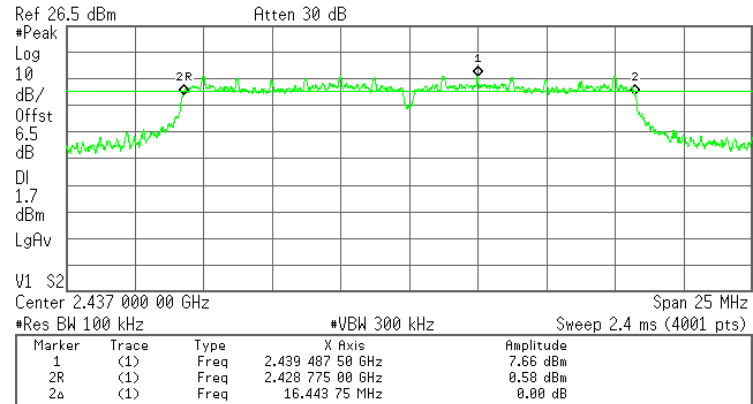
802.11g 6Mbps – Side Antenna

✱ Agilent



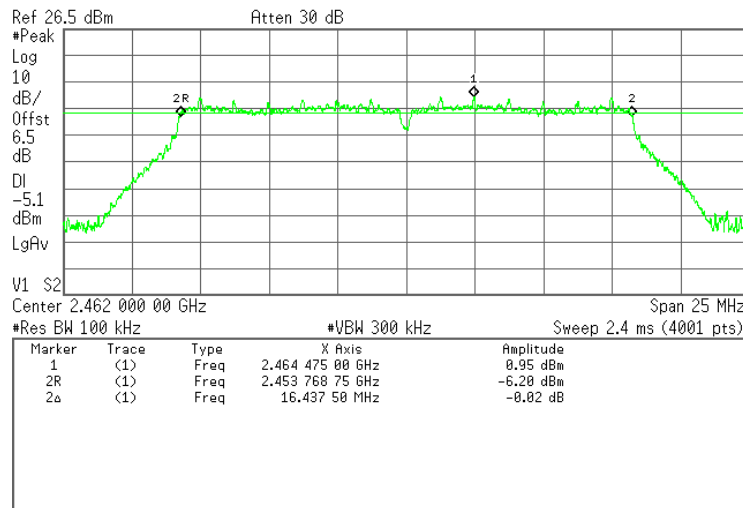
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

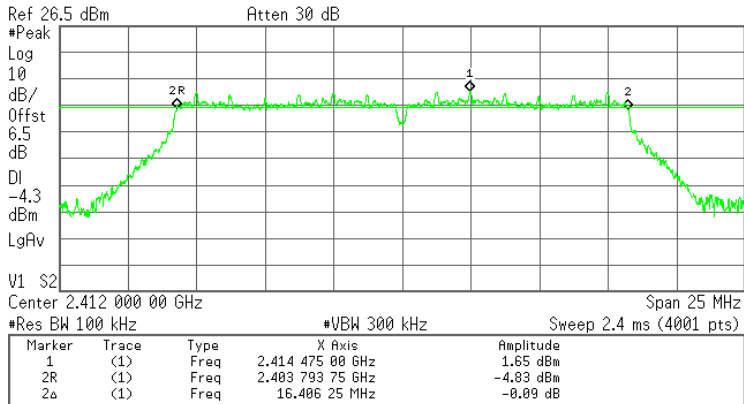
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High Channel - Plot

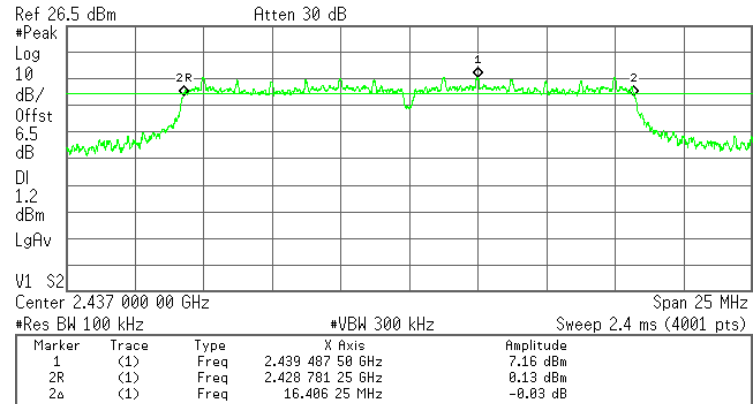
802.11g 6Mbps – Top Antenna

✱ Agilent



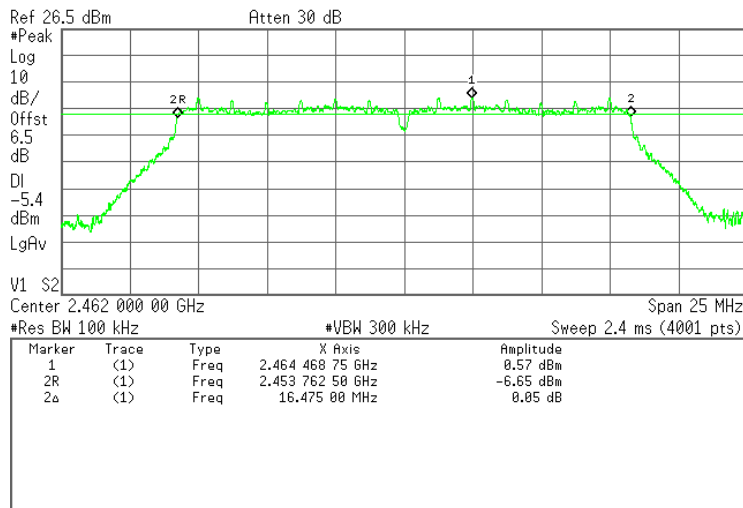
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

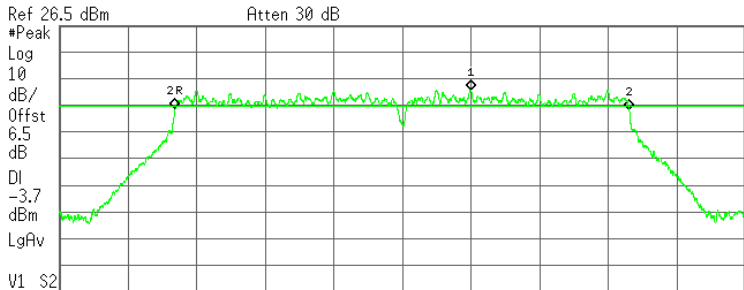
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High Channel - Plot

802.11g 36Mbps – Side Antenna

✧ Agilent

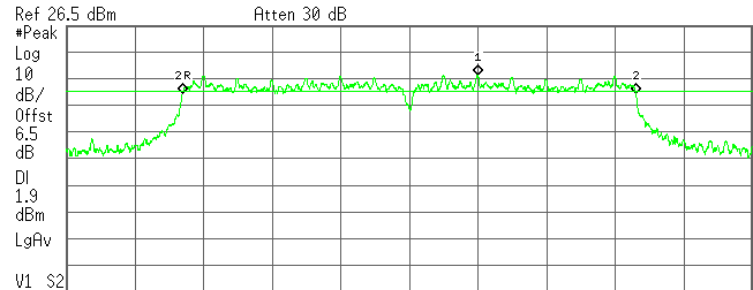


Center 2.412 000 00 GHz Span 25 MHz
#Res BW 100 kHz #VBW 300 kHz Sweep 2.4 ms (4001 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	2.414 487 50 GHz	2.34 dBm
2R	(1)	Freq	2.403 718 75 GHz	-4.08 dBm
2a	(1)	Freq	16.550 00 MHz	-0.06 dB

Low Channel - Plot

✧ Agilent

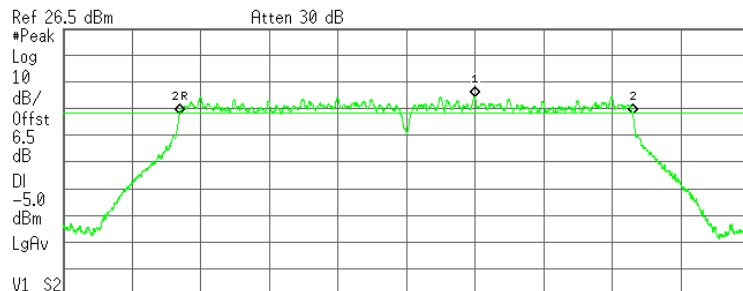


Center 2.437 000 00 GHz Span 25 MHz
#Res BW 100 kHz #VBW 300 kHz Sweep 2.4 ms (4001 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	2.439 487 50 GHz	7.88 dBm
2R	(1)	Freq	2.428 731 25 GHz	0.94 dBm
2a	(1)	Freq	16.512 50 MHz	0.11 dB

Mid Channel - Plot

✧ Agilent



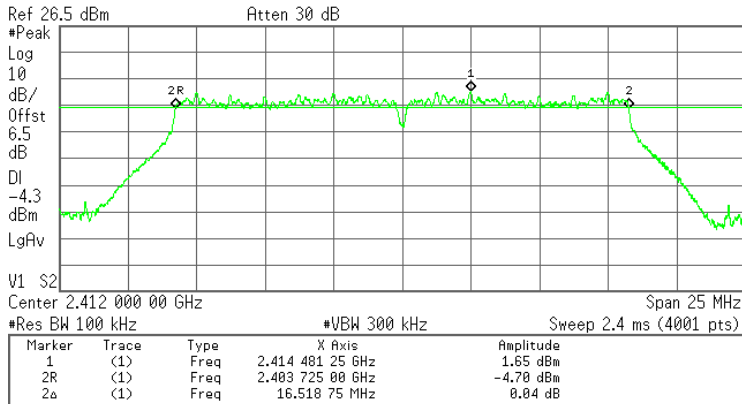
Center 2.462 000 00 GHz Span 25 MHz
#Res BW 100 kHz #VBW 300 kHz Sweep 2.4 ms (4001 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	2.464 481 25 GHz	1.01 dBm
2R	(1)	Freq	2.453 725 00 GHz	-5.57 dBm
2a	(1)	Freq	16.518 75 MHz	0.00 dB

High Channel - Plot

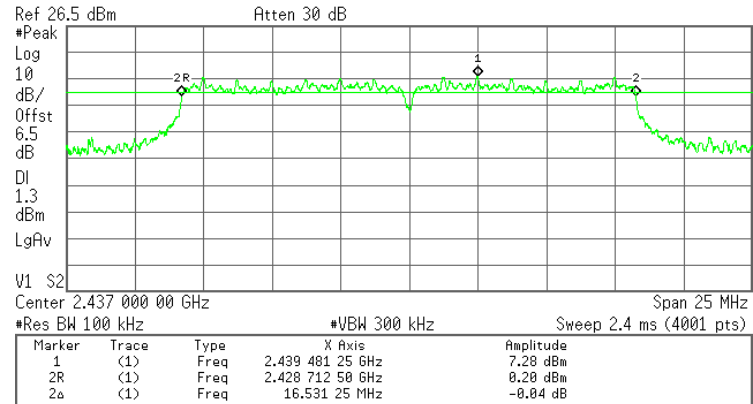
802.11g 36Mbps – Top Antenna

* Agilent



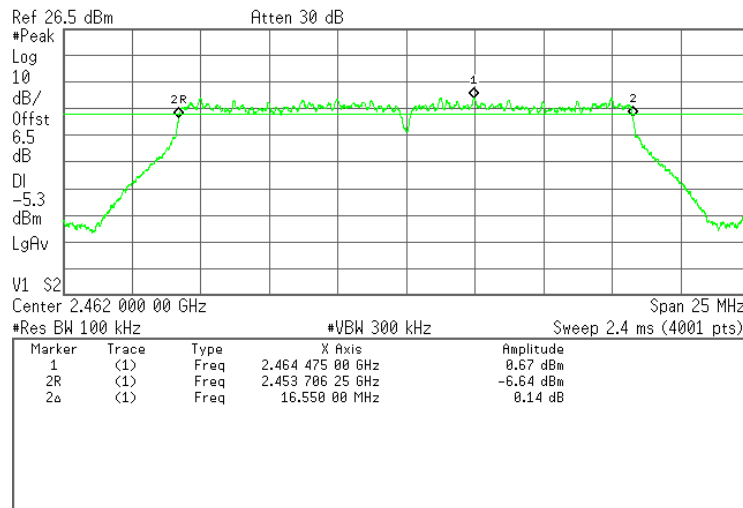
Low Channel - Plot

* Agilent



Mid Channel - Plot

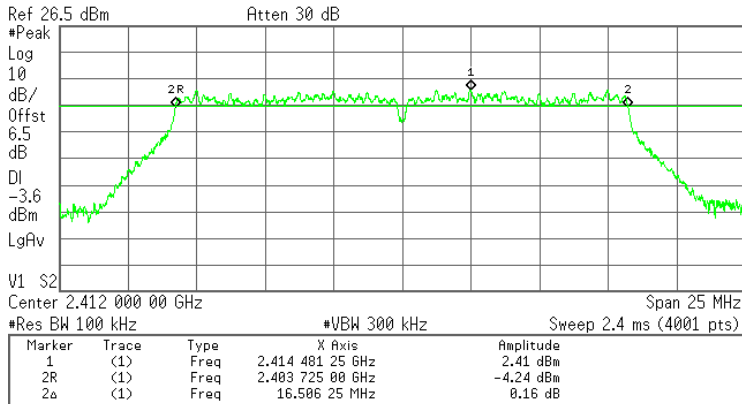
* Agilent



High Channel - Plot

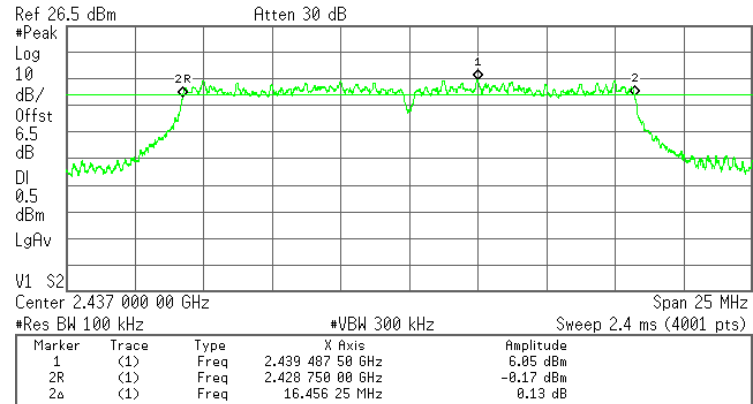
802.11g 54Mbps – Side Antenna

✱ Agilent



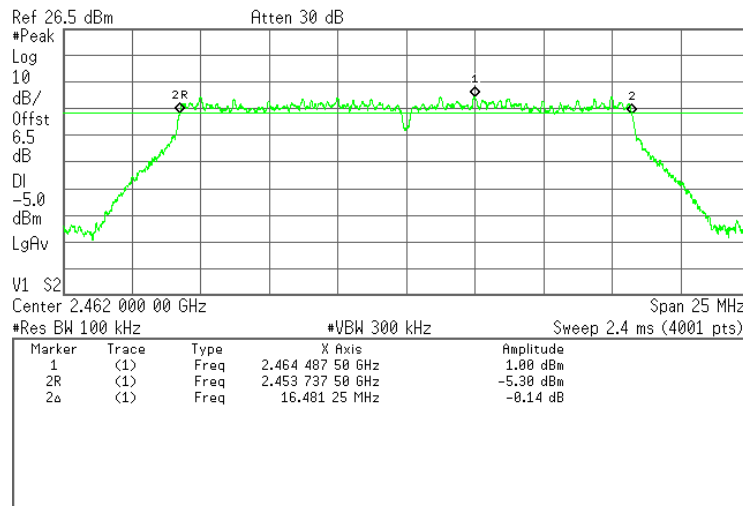
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

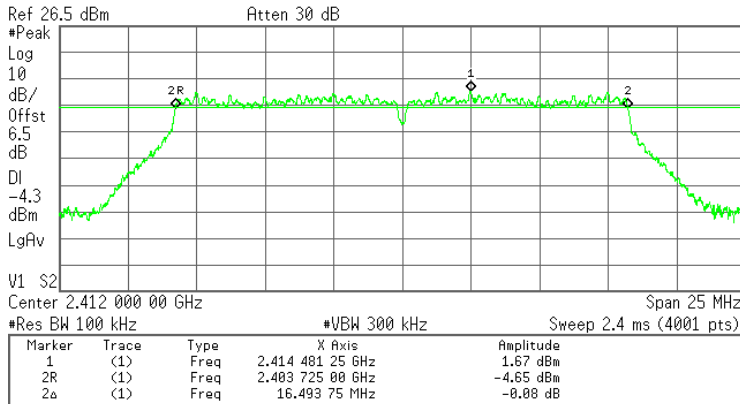
✱ Agilent



High Channel - Plot

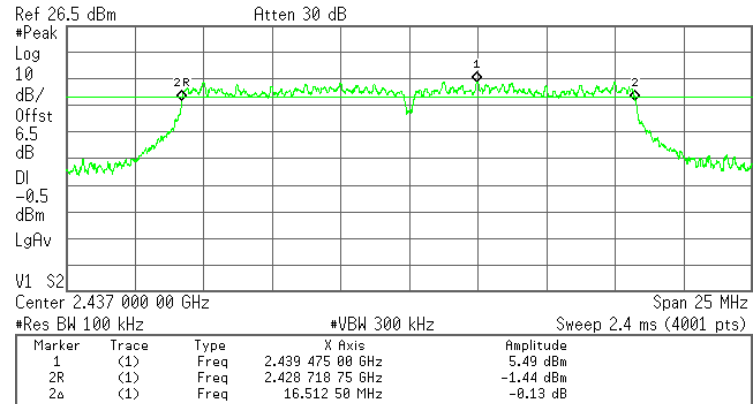
802.11g 54Mbps – Top Antenna

* Agilent



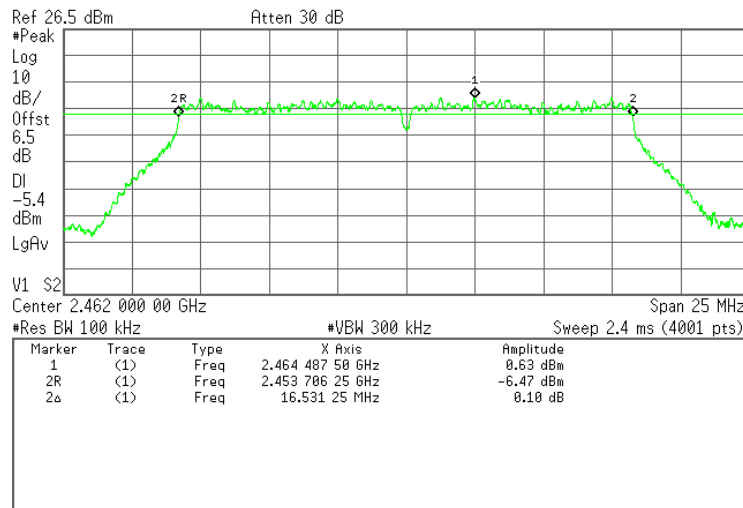
Low Channel - Plot

* Agilent



Mid Channel - Plot

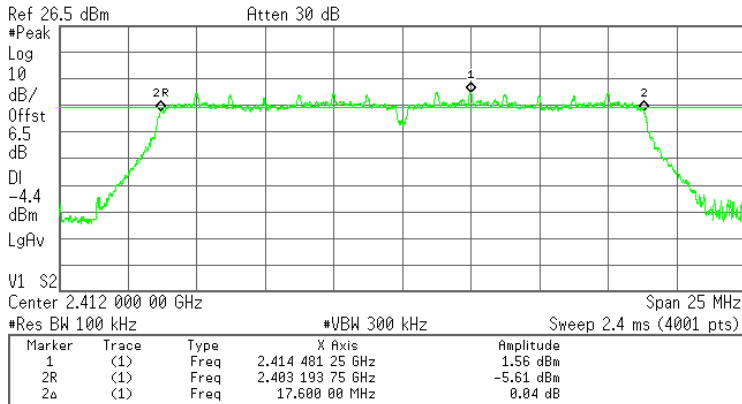
* Agilent



High Channel - Plot

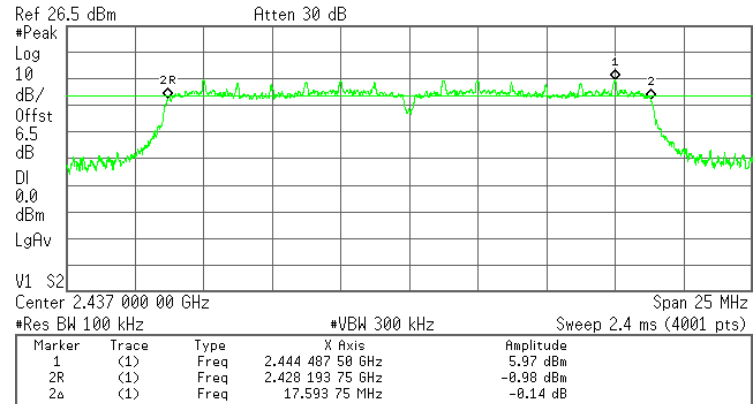
802.11n HT20 mcs0 – Side Antenna

✱ Agilent



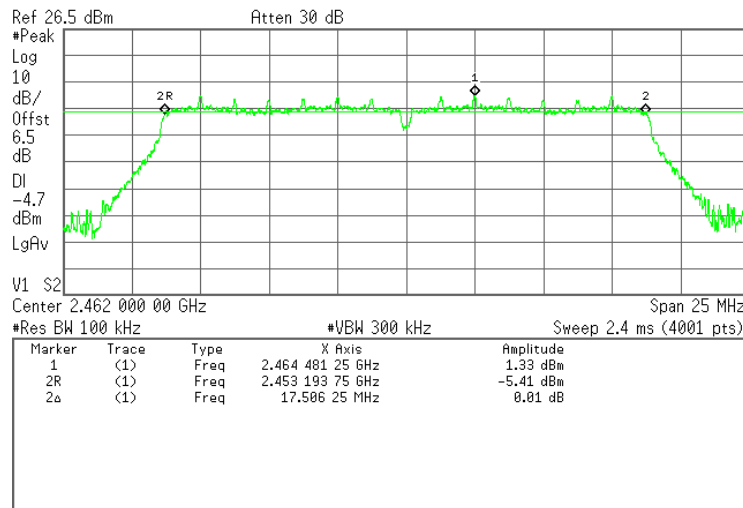
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

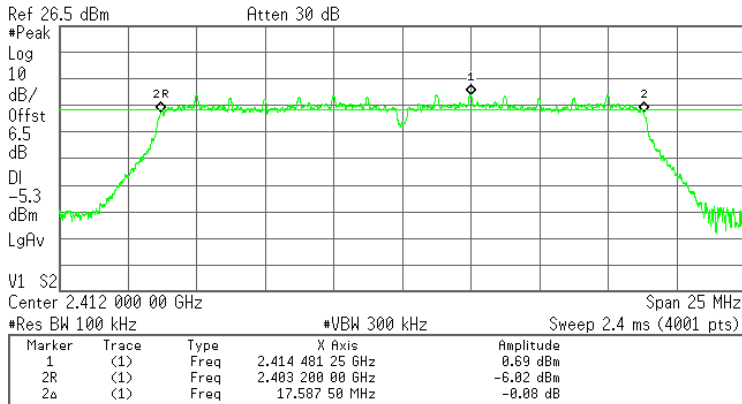
✱ Agilent



High Channel - Plot

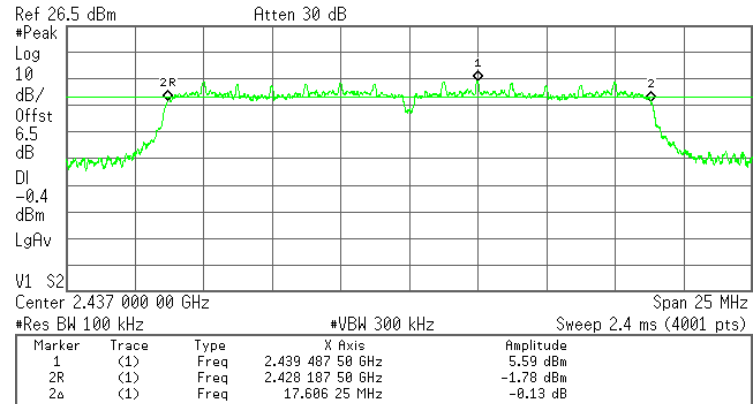
802.11n HT20 mcs0 – Top Antenna

✱ Agilent



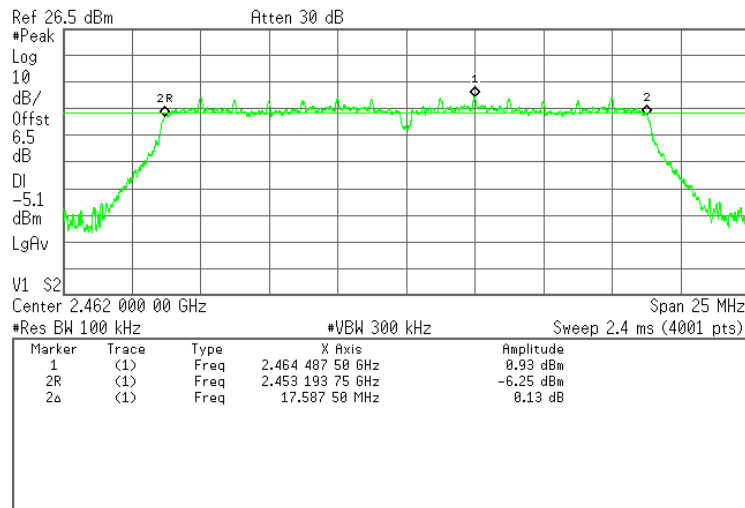
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

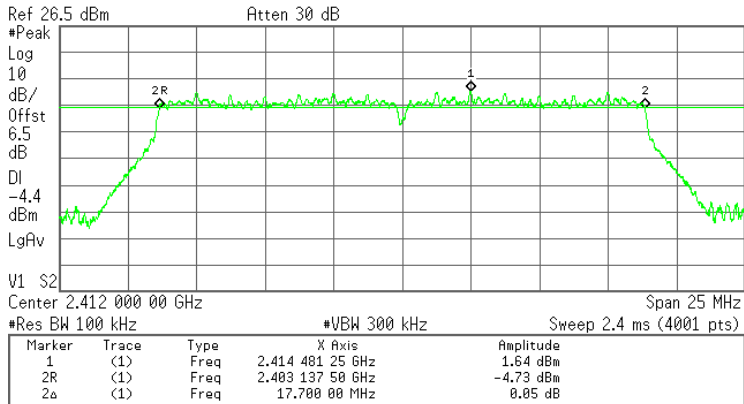
✱ Agilent



High Channel - Plot

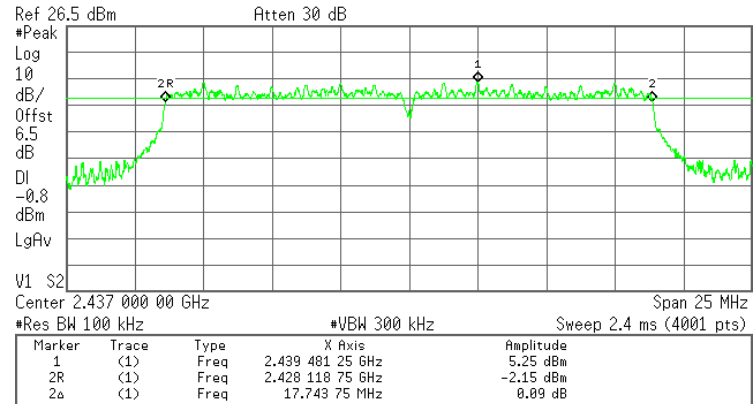
802.11n HT20 mcs7 – Side Antenna

* Agilent



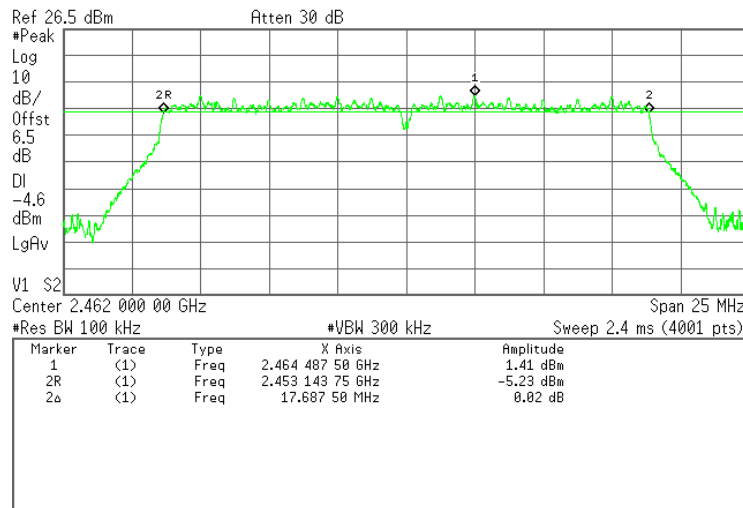
Low Channel - Plot

* Agilent



Mid Channel - Plot

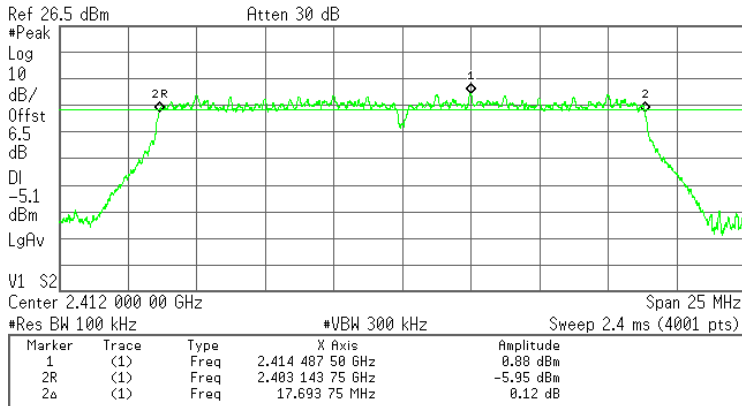
* Agilent



High Channel - Plot

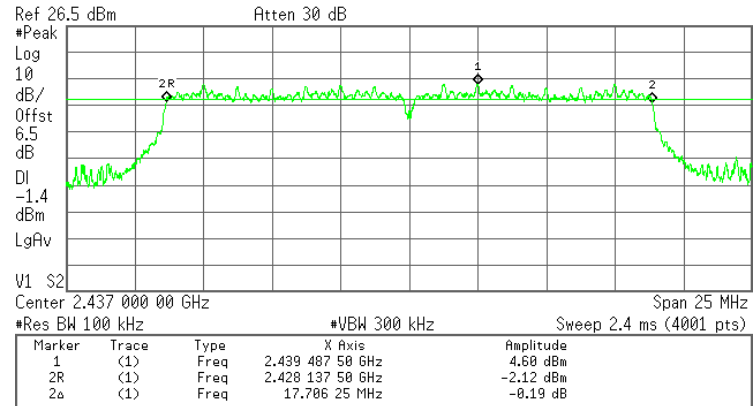
802.11n HT20 mcs7 – Top Antenna

* Agilent



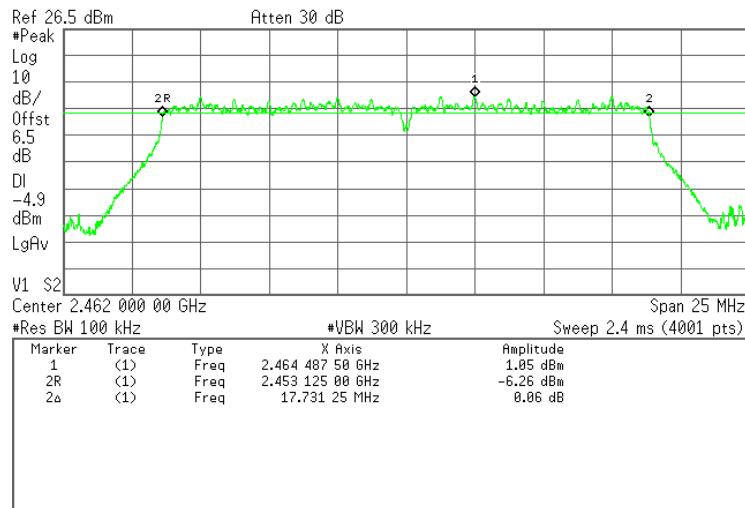
Low Channel - Plot

* Agilent



Mid Channel - Plot

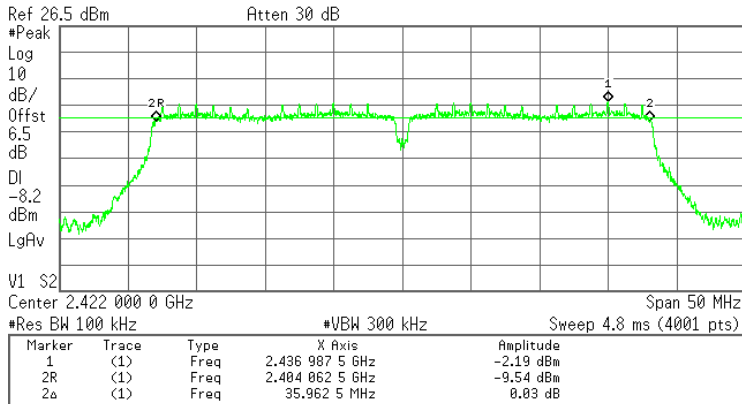
* Agilent



High Channel - Plot

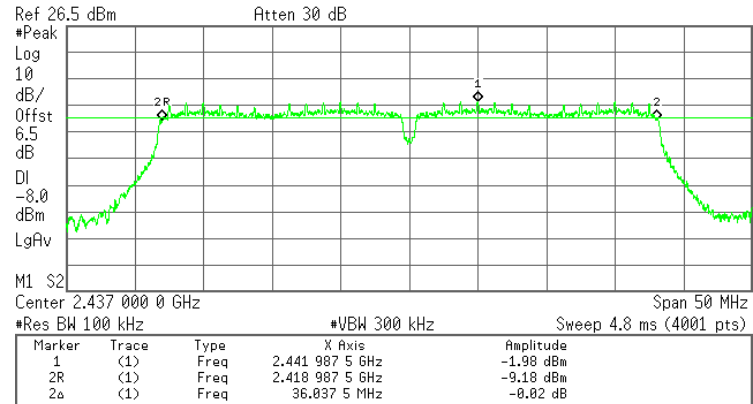
802.11n HT40 mcs0 – Side Antenna

* Agilent



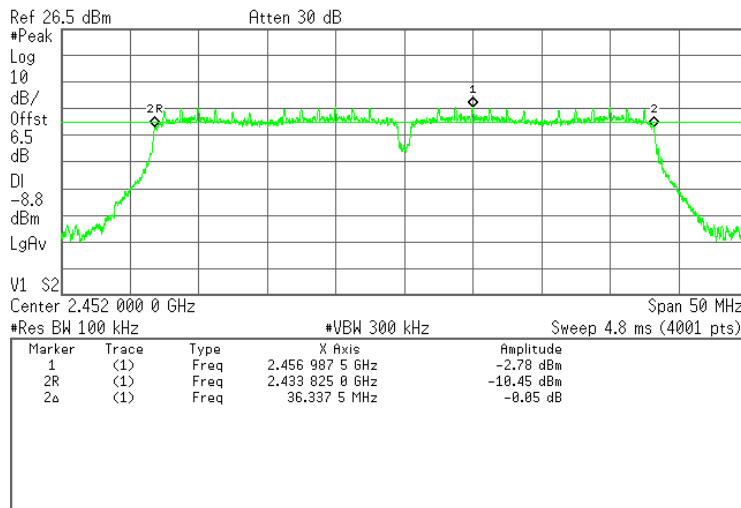
Low Channel - Plot

* Agilent



Mid Channel - Plot

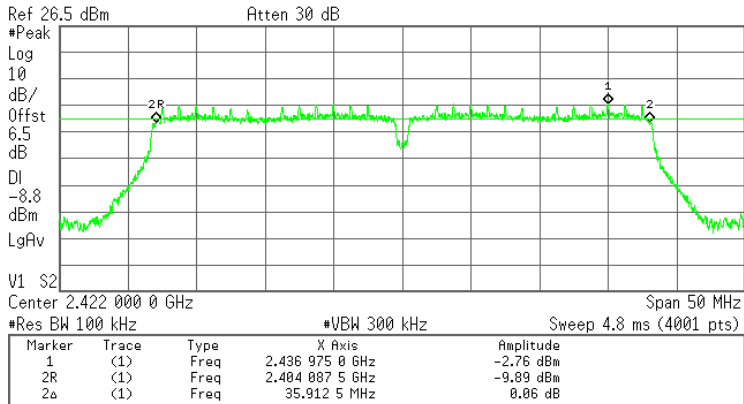
* Agilent



High Channel - Plot

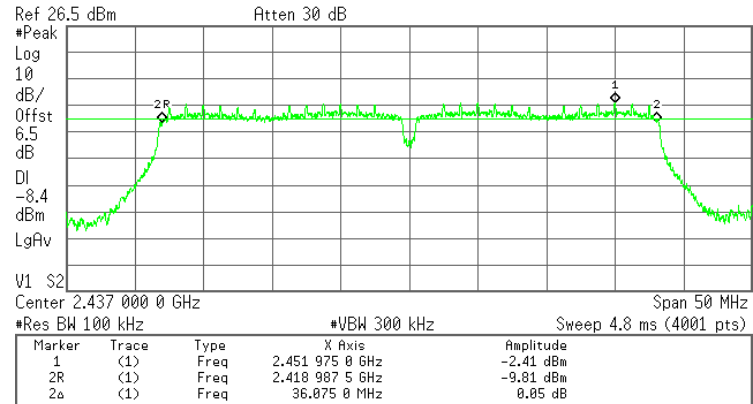
802.11n HT40 mcs0 – Top Antenna

✱ Agilent



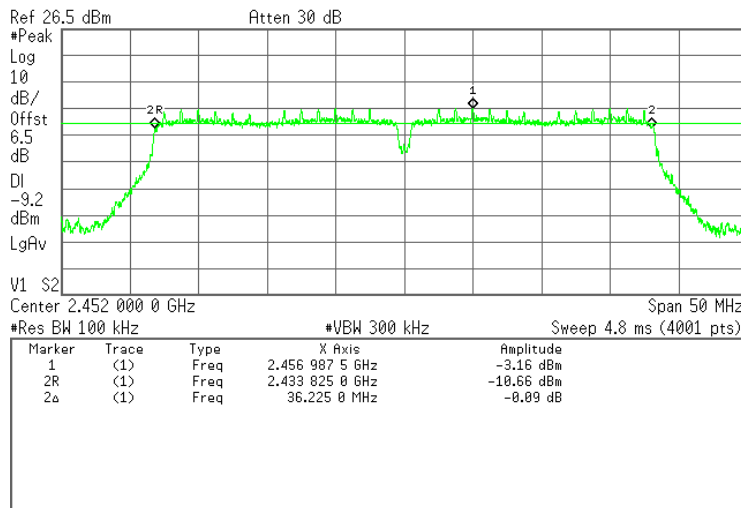
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

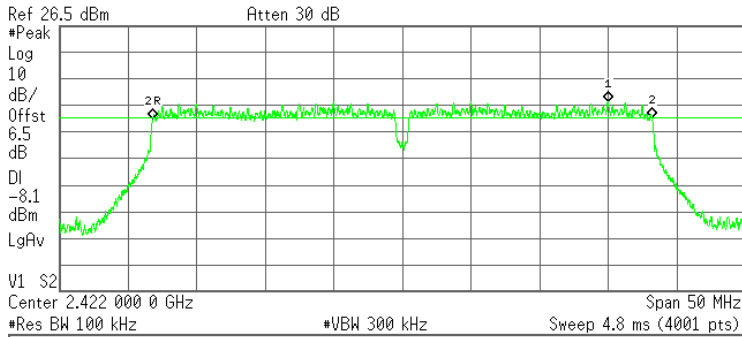
✱ Agilent



High Channel - Plot

802.11n HT40 mcs7 – Side Antenna

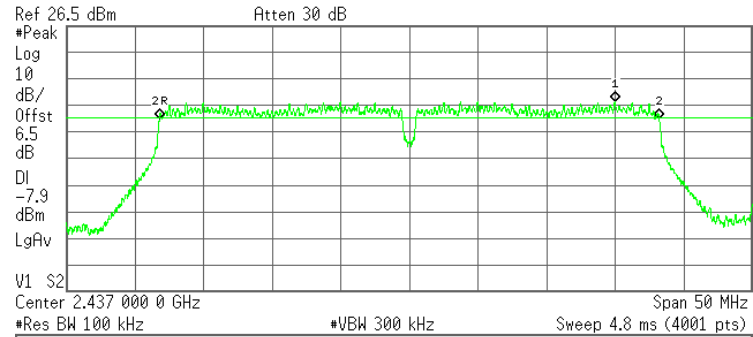
✱ Agilent



Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	2.436 975 0 GHz	-2.15 dBm
2R	(1)	Freq	2.403 812 5 GHz	-8.40 dBm
2a	(1)	Freq	36.387 5 MHz	0.09 dB

Low Channel - Plot

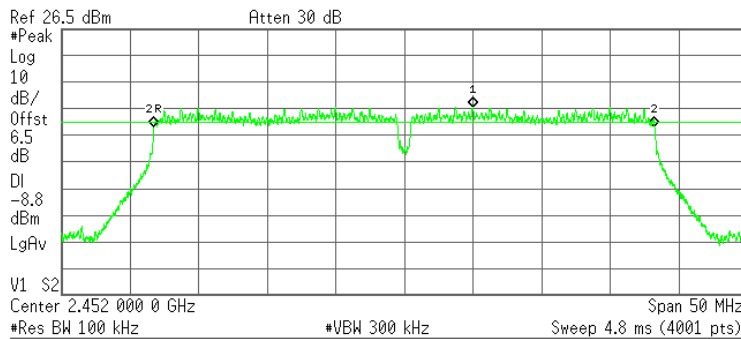
✱ Agilent



Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	2.451 975 0 GHz	-1.95 dBm
2R	(1)	Freq	2.418 787 5 GHz	-8.59 dBm
2a	(1)	Freq	36.425 0 MHz	-0.04 dB

Mid Channel - Plot

✱ Agilent

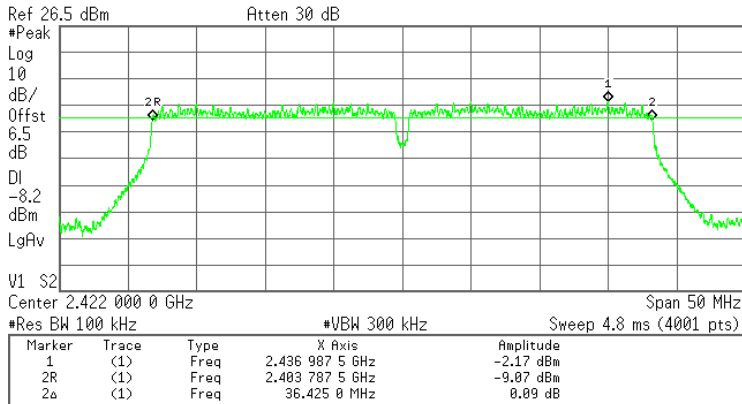


Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	2.456 987 5 GHz	-2.77 dBm
2R	(1)	Freq	2.433 762 5 GHz	-10.42 dBm
2a	(1)	Freq	36.462 5 MHz	-0.02 dB

High Channel - Plot

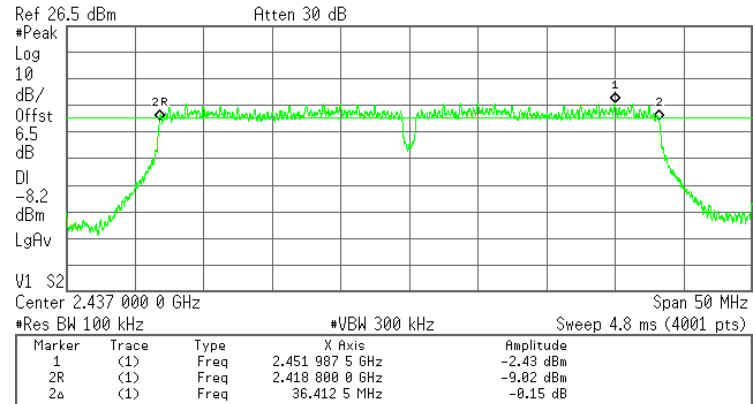
802.11n HT40 mcs7 – Top Antenna

* Agilent



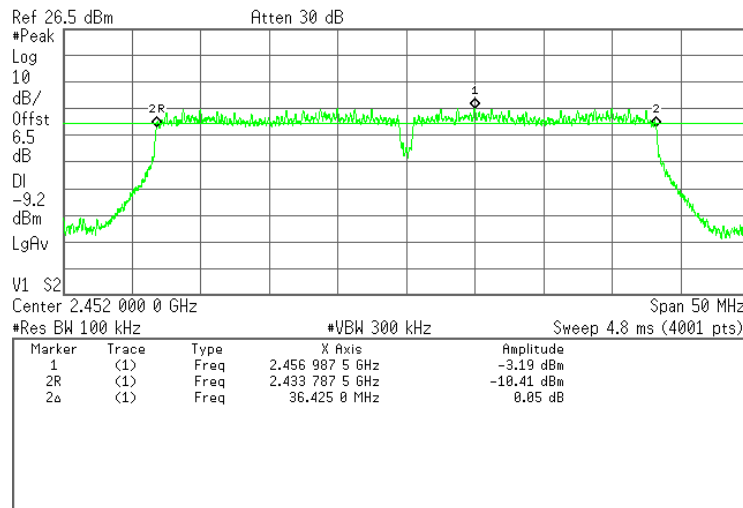
Low Channel - Plot

* Agilent



Mid Channel - Plot

* Agilent



High Channel - Plot

99% Occupied Bandwidth

Test Description

The emission bandwidth (x dB) is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated x dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth.

When the occupied bandwidth limit is not stated in the applicable RSS or reference measurement method, the transmitted signal bandwidth shall be reported as the 99% emission bandwidth, as calculated or measured.

Worst-Case scenario

The 99% bandwidth was measured only for the data rates with the Maximum Output Power for each mode.

Test Criteria

Reference	Limit
RSS-GEN, Section 6.6	N/A

Test Information

Tester	Test Location	Date	Temperature (°C)	Humidity (%RH)	Pressure (mbar)	Results (P/F)
Jose Badia	RF Lab	6/11/2025	23.33	51	1021.0	P

Test Results

802.11b – 1Mbps

Channel	Frequency (MHz)	99% Bandwidth (in MHz)	
		Side Antenna	Top Antenna
Low	2412	13.49	13.31
Mid	2437	13.55	13.67
High	2462	13.62	13.42

802.11g – 54Mbps

Channel	Frequency (MHz)	99% Bandwidth (in MHz)	
		Side Antenna	Top Antenna
Low	2412	16.71	16.62
Mid	2437	16.78	16.50
High	2462	16.68	16.56

802.11n HT20 – msc0

Channel	Frequency (MHz)	99% Bandwidth (in MHz)	
		Side Antenna	Top Antenna
Low	2412	17.79	17.84
Mid	2437	17.78	17.76
High	2462	17.75	17.80

802.11n HT40 – msc7

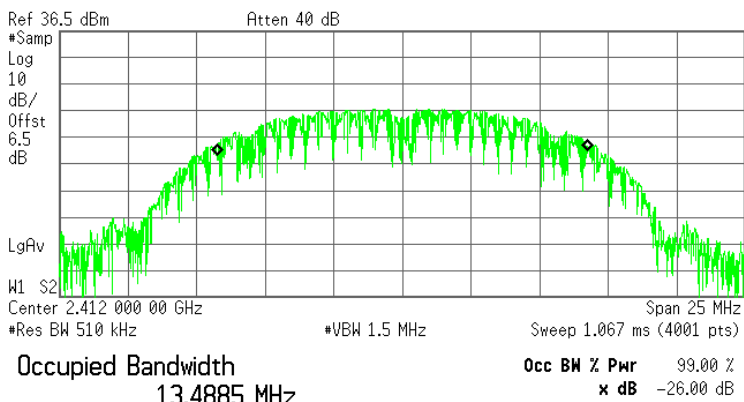
Channel	Frequency (MHz)	99% Bandwidth (in MHz)	
		Side Antenna	Top Antenna
Low	2422	36.22	36.32
Mid	2437	36.15	36.15
High	2452	36.41	36.15

Report #: 24003

99% Occupied Bandwidth plots

802.11b 1Mbps – Side Antenna

Agilent

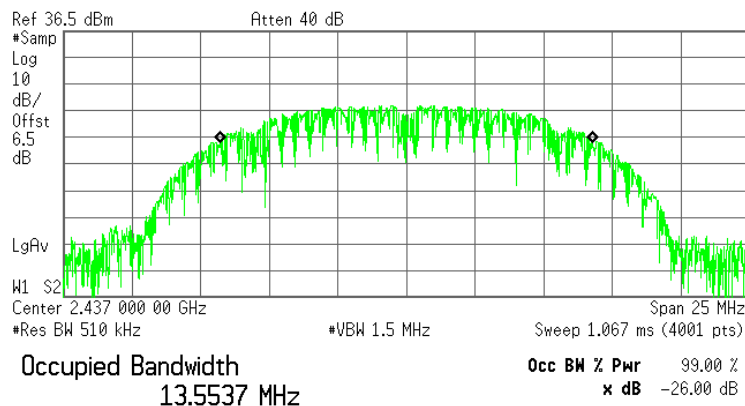


Transmit Freq Error 1.370 kHz

x dB Bandwidth 16.695 MHz*

Low Channel - Plot

Agilent

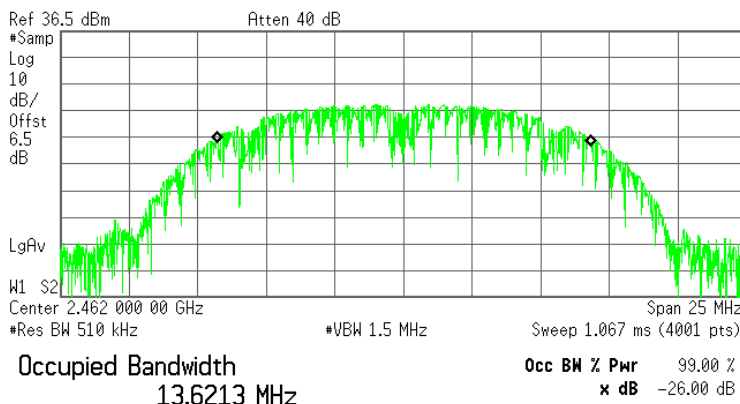


Transmit Freq Error -1.233 kHz

x dB Bandwidth 16.902 MHz*

Mid Channel - Plot

Agilent



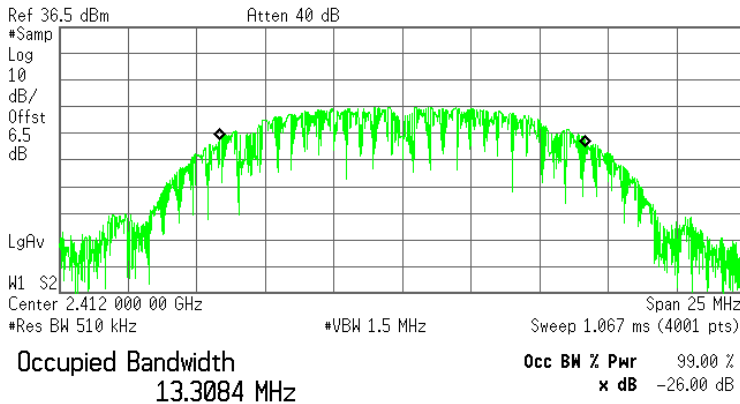
Transmit Freq Error 3.573 kHz

x dB Bandwidth 16.674 MHz*

High Channel - Plot

802.11b 1Mbps – Top Antenna

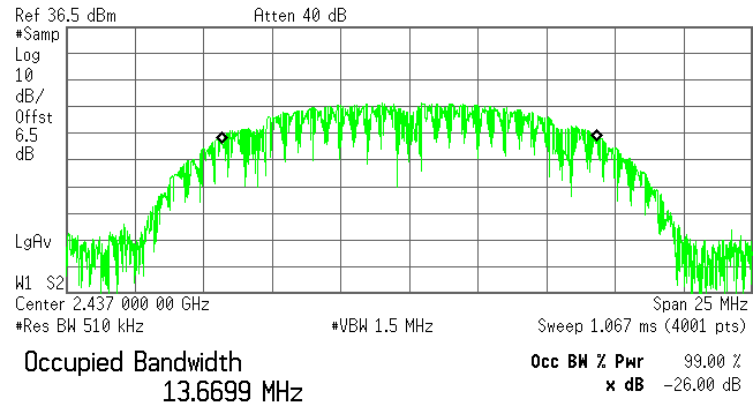
✱ Agilent



Transmit Freq Error 7.961 kHz
x dB Bandwidth 16.562 MHz*

Low Channel - Plot

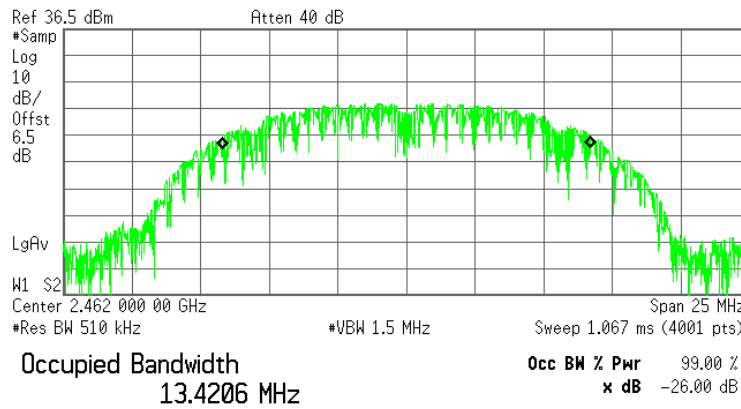
✱ Agilent



Transmit Freq Error 2.918 kHz
x dB Bandwidth 16.837 MHz*

Mid Channel - Plot

✱ Agilent

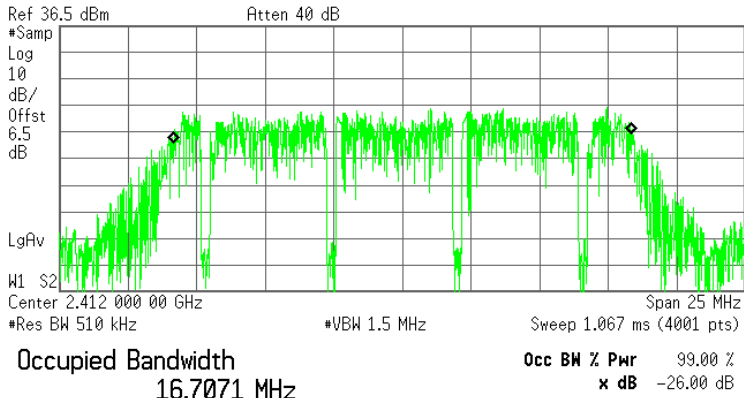


Transmit Freq Error -1.486 kHz
x dB Bandwidth 16.943 MHz*

High Channel - Plot

802.11g 54Mbps – Side Antenna

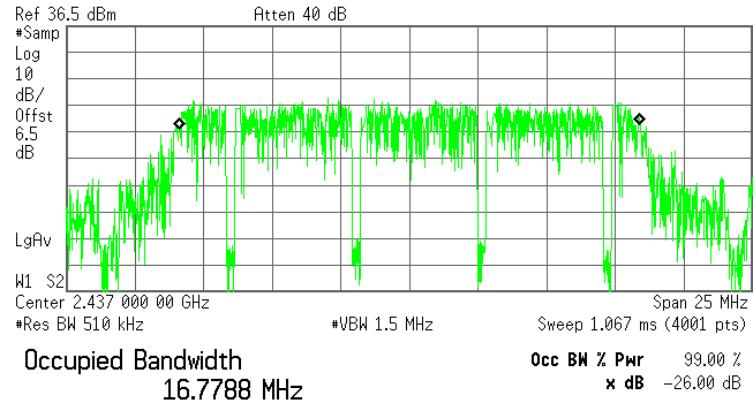
✱ Agilent



Transmit Freq Error -1.159 kHz
x dB Bandwidth 19.005 MHz*

Low Channel - Plot

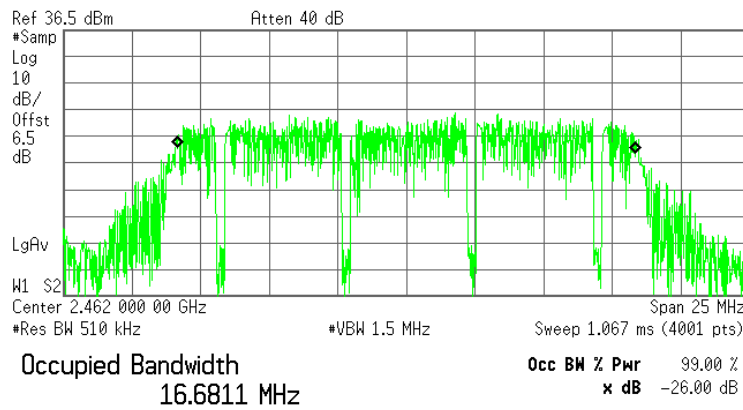
✱ Agilent



Transmit Freq Error 3.968 kHz
x dB Bandwidth 19.225 MHz*

Mid Channel - Plot

✱ Agilent

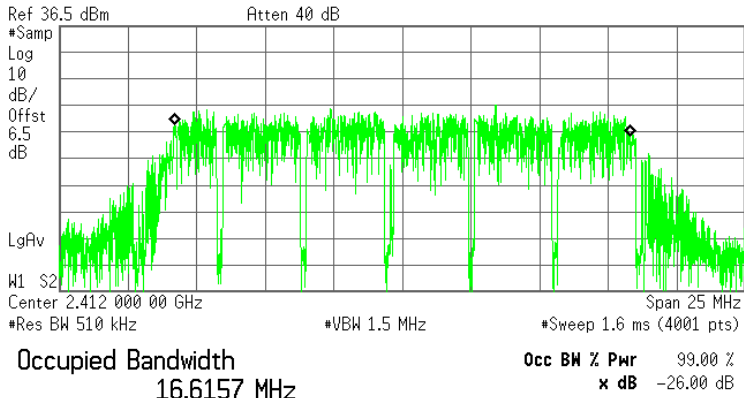


Transmit Freq Error -1.745 kHz
x dB Bandwidth 19.087 MHz*

High Channel - Plot

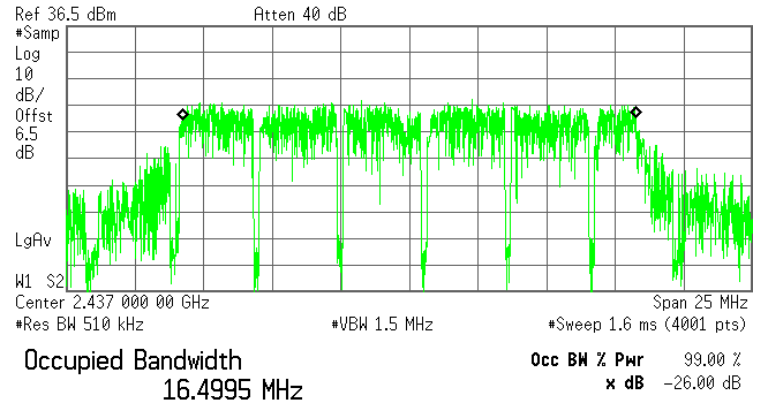
802.11g 54Mbps – Top Antenna

✱ Agilent



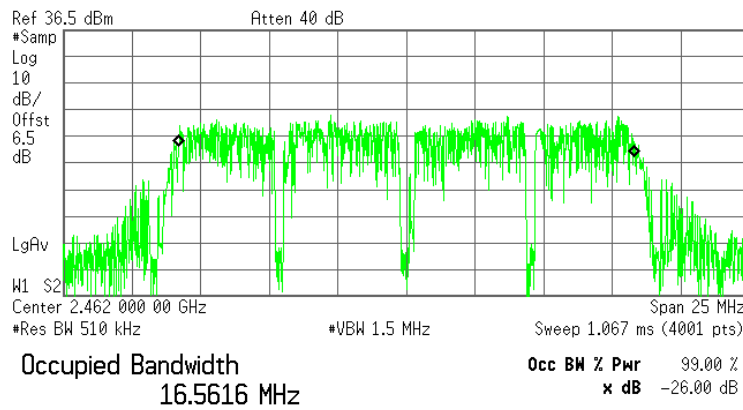
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

✱ Agilent

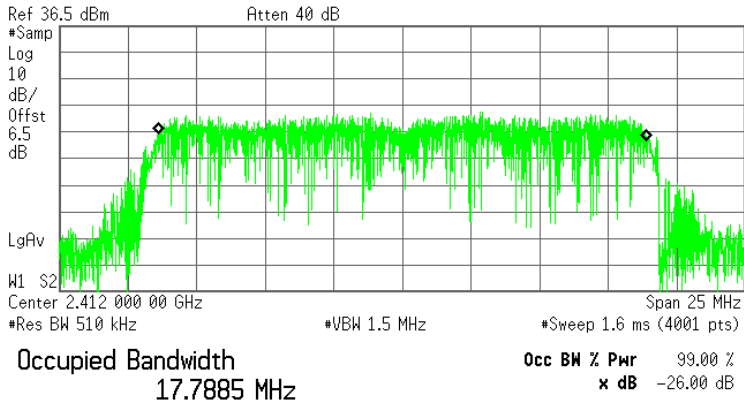


Transmit Freq Error -1.457 kHz
x dB Bandwidth 19.263 MHz*

High Channel - Plot

802.11n HT20 mcs0 – Side Antenna

✱ Agilent

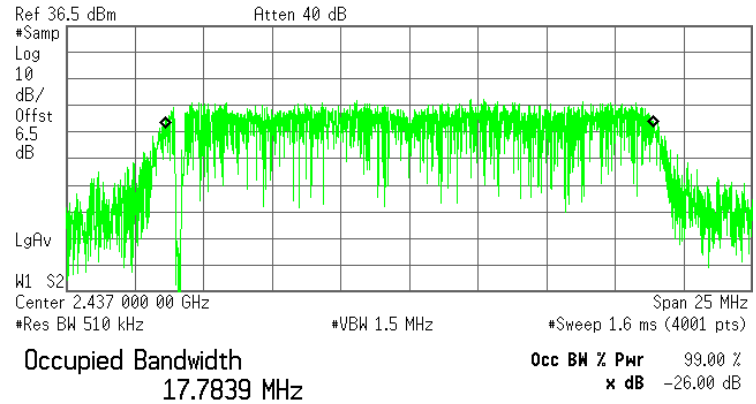


Transmit Freq Error 2.053 kHz

x dB Bandwidth 19.625 MHz*

Low Channel - Plot

✱ Agilent

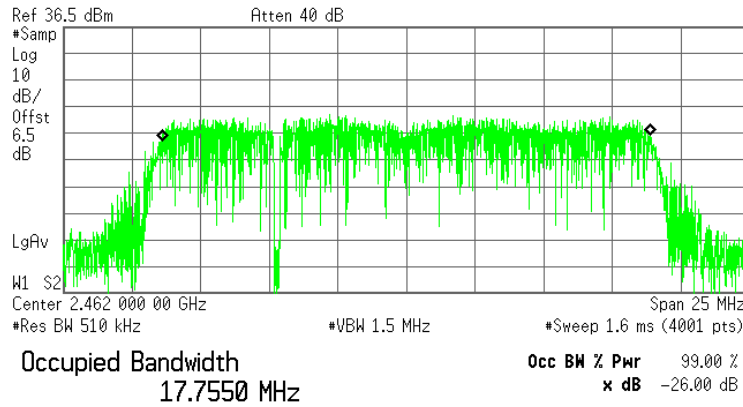


Transmit Freq Error -1.532 kHz

x dB Bandwidth 20.398 MHz*

Mid Channel - Plot

✱ Agilent



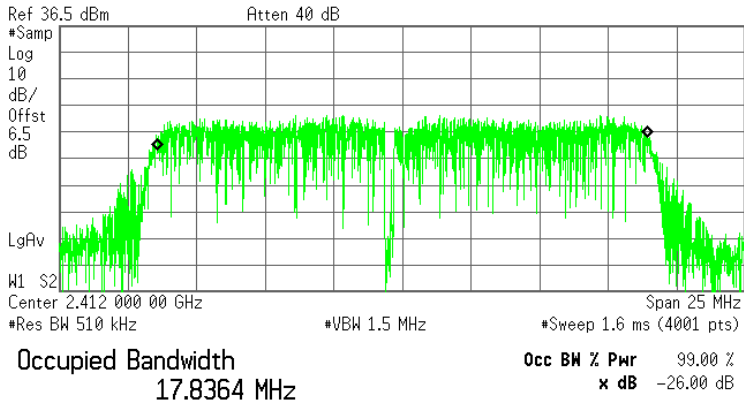
Transmit Freq Error -1.795 kHz

x dB Bandwidth 20.065 MHz*

High Channel - Plot

802.11n HT20 mcs0 – Top Antenna

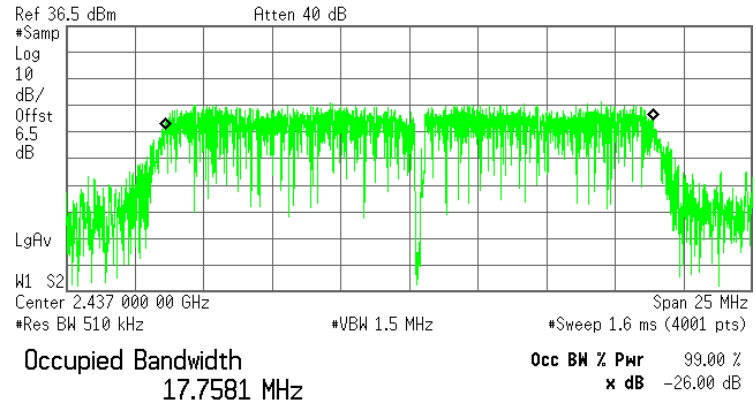
✧ Agilent



Transmit Freq Error -2.677 kHz
x dB Bandwidth 20.310 MHz*

Low Channel - Plot

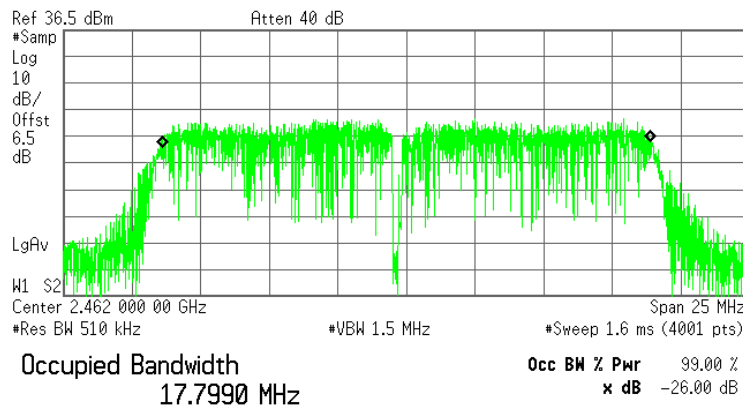
✧ Agilent



Transmit Freq Error -1.720 kHz
x dB Bandwidth 19.698 MHz*

Mid Channel - Plot

✧ Agilent

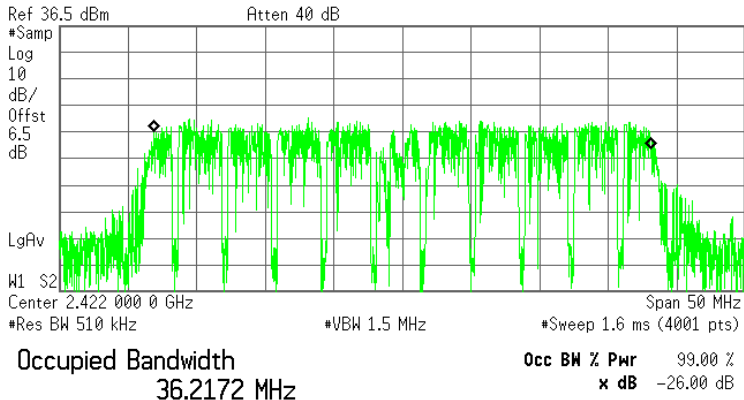


Transmit Freq Error -1.148 kHz
x dB Bandwidth 19.877 MHz*

High Channel - Plot

802.11n HT40 mcs7 – Side Antenna

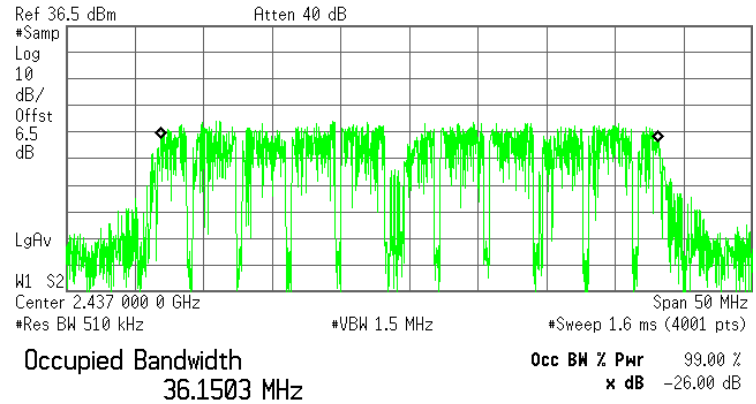
✱ Agilent



Transmit Freq Error -1.201 kHz
x dB Bandwidth 39.326 MHz*

Low Channel - Plot

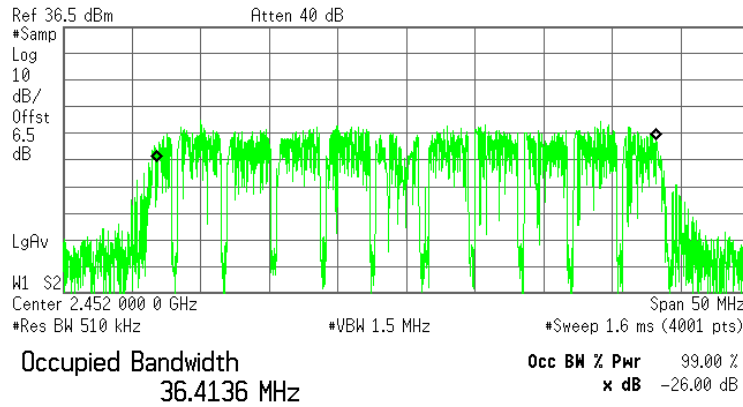
✱ Agilent



Transmit Freq Error 2.330 kHz
x dB Bandwidth 38.221 MHz*

Mid Channel - Plot

✱ Agilent

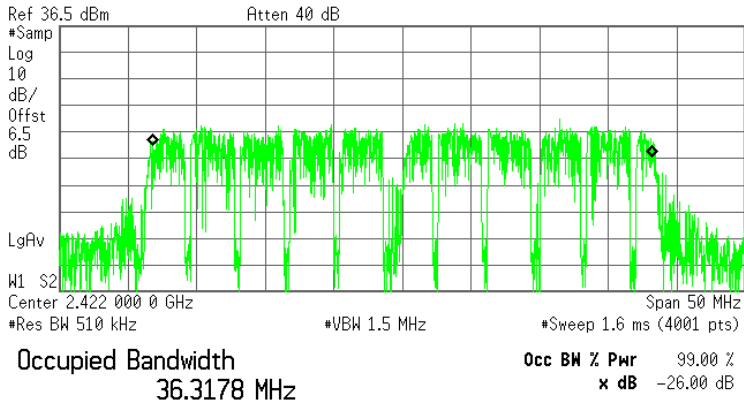


Transmit Freq Error 2.512 kHz
x dB Bandwidth 39.325 MHz*

High Channel - Plot

802.11n HT40 mcs7 – Top Antenna

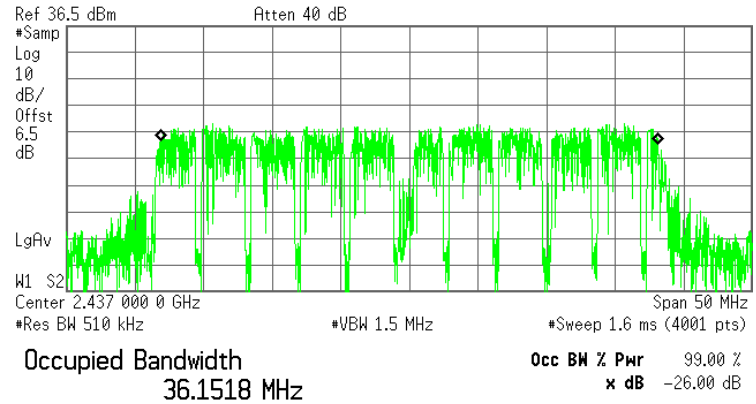
✧ Agilent



Transmit Freq Error -2.500 kHz
x dB Bandwidth 37.971 MHz*

Low Channel - Plot

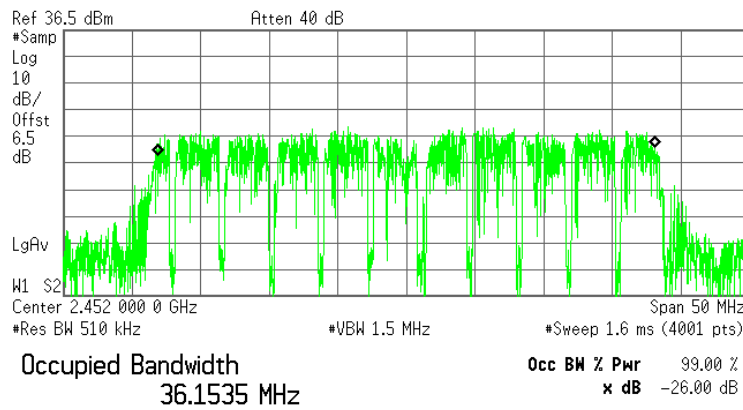
✧ Agilent



Transmit Freq Error -1.229 kHz
x dB Bandwidth 39.437 MHz*

Mid Channel - Plot

✧ Agilent



Transmit Freq Error 2.025 kHz
x dB Bandwidth 39.566 MHz*

High Channel - Plot

Maximum Conducted Output Power

Test Description

For systems using digital modulation in the 902-928MHz, 2400-2483.5MHz and 5725-5850MHz bands, the conducted output power limit (specified below) is based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Maximum peak conducted output power was the method employed to determine fundamental emission output power.

Method PKPM1 per C63.10 and KDB 558074 was utilized for this test program.

Test Criteria

Reference	Limit
CFR 47 Subpart C 15.247 (b)(3) RSS-247 Section 5.4 (d)	1W (30dBm)

Test Information

Tester	Test Location	Date	Temperature (°C)	Humidity (%RH)	Pressure (mbar)	Results (P/F)
Jose Badia	RF Lab	6/03/2025	21.11	28	1002.9	P

Test Results

802.11b – 1Mbps

Channel	Frequency (MHz)	Tx Channel Power (dBm)	
		Side Antenna	Top Antenna
Low	2412	18.42	18.45
Mid	2437	17.32	16.81
High	2462	19.97	20.40

802.11b – 11Mbps

Channel	Frequency (MHz)	Tx Channel Power (dBm)	
		Side Antenna	Top Antenna
Low	2412	18.33	18.58
Mid	2437	17.22	16.81
High	2462	19.95	20.63

802.11g – 6Mbps

Channel	Frequency (MHz)	Tx Channel Power (dBm)	
		Side Antenna	Top Antenna
Low	2412	21.76	21.20
Mid	2437	22.26	22.26
High	2462	20.80	20.33

802.11g – 36Mbps

Channel	Frequency (MHz)	Tx Channel Power (dBm)	
		Side Antenna	Top Antenna
Low	2412	21.45	21.20
Mid	2437	22.26	22.26
High	2462	20.34	20.16

802.11g – 54Mbps

Channel	Frequency (MHz)	Tx Channel Power (dBm)	
		Side Antenna	Top Antenna
Low	2412	21.12	21.28
Mid	2437	22.26	22.26
High	2462	20.16	20.50

802.11n HT20 – msc0

Channel	Frequency (MHz)	Tx Channel Power (dBm)	
		Side Antenna	Top Antenna
Low	2412	21.61	21.56
Mid	2437	22.26	22.26
High	2462	21.13	22.04

802.11n HT20 – msc7

Channel	Frequency (MHz)	Tx Channel Power (dBm)	
		Side Antenna	Top Antenna
Low	2412	21.81	20.29
Mid	2437	22.26	22.26
High	2462	21.38	20.81

802.11n HT40 – msc0

Channel	Frequency (MHz)	Tx Channel Power (dBm)	
		Side Antenna	Top Antenna
Low	2422	20.24	20.68
Mid	2437	22.26	22.26
High	2452	20.26	19.92

802.11n HT40 – msc7

Channel	Frequency (MHz)	Tx Channel Power (dBm)	
		Side Antenna	Top Antenna
Low	2422	20.87	21.17

Mid	2437	21.22	22.26
High	2452	20.81	19.65

Output Power Plots:

Note: PKPM1 method uses a power meter for measurement and therefore no plots are produced.

Maximum Power Spectral Density

Test Description

The DTS rules specify a conducted PSD limit within the *DTS bandwidth* during any time interval of continuous transmission. Such specifications require that the same method as used to determine the conducted output power shall also be used to determine the power spectral density. Therefore, if maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used.

Since maximum peak conducted output power was the method employed to determine fundamental emission output power, then the peak power spectral density method was utilized.

Method PKPSD per C63.10 and KDB 558074 was utilized for this test program.

Test Criteria

Reference	Limit
CFR 47 Subpart C 15.247 (e) RSS-247 Section 5.2 (b)	< 8 dBm in any 3 kHz Band

Test Information

Tester	Test Location	Date	Temperature (°C)	Humidity (%RH)	Pressure (mbar)	Results (P/F)
Jose Badia	RF Lab	6/02/2025	21.67	40	1017	P

Test Results

802.11b – 1Mbps

Channel	Frequency (MHz)	Max PSD (dBm)	
		Side Antenna	Top Antenna
Low	2412	-3.92	-3.63
Mid	2437	-4.87	-6.81
High	2462	-3.34	-3.23

802.11b – 11Mbps

Channel	Frequency (MHz)	Max PSD (dBm)	
		Side Antenna	Top Antenna
Low	2412	0.00	0.93
Mid	2437	-0.10	0.43
High	2462	3.37	4.09

802.11g – 6Mbps

Channel	Frequency (MHz)	Max PSD (dBm)	
		Side Antenna	Top Antenna
Low	2412	-11.92	-12.56
Mid	2437	-6.97	-7.61
High	2462	-12.48	-13.85

802.11g – 36Mbps

Channel	Frequency (MHz)	Max PSD (dBm)	
		Side Antenna	Top Antenna
Low	2412	-11.51	-12.98
Mid	2437	-5.57	-7.42
High	2462	-14.16	-12.75

802.11g – 54Mbps

Channel	Frequency (MHz)	Max PSD (dBm)	
		Side Antenna	Top Antenna
Low	2412	-9.95	-10.94
Mid	2437	-6.91	-7.79
High	2462	-13.56	-13.81

802.11n HT20 – msc0

Channel	Frequency (MHz)	Max PSD (dBm)	
		Side Antenna	Top Antenna
Low	2412	-12.92	-13.85
Mid	2437	-7.86	-8.90
High	2462	-13.39	-13.13

802.11n HT20 – msc7

Channel	Frequency (MHz)	Max PSD (dBm)	
		Side Antenna	Top Antenna
Low	2412	-12.10	-13.87
Mid	2437	-8.74	-9.88
High	2462	-12.48	-12.89

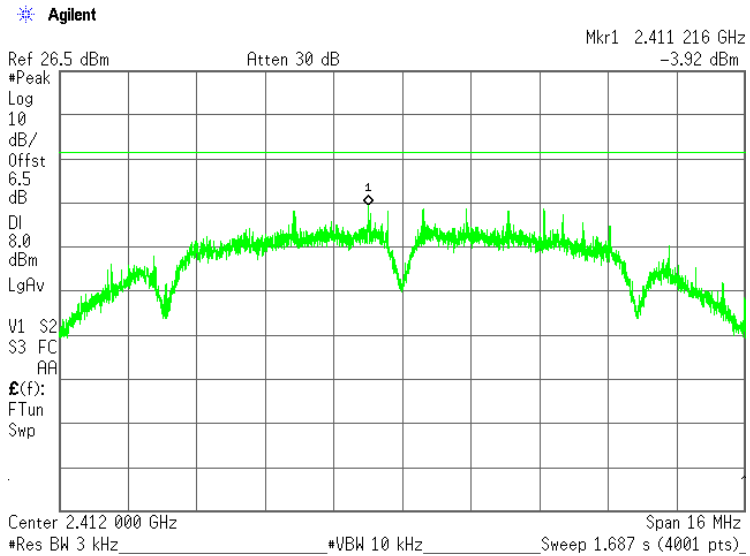
802.11n HT40 – msc0

Channel	Frequency (MHz)	Max PSD (dBm)	
		Side Antenna	Top Antenna
Low	2422	-16.47	-16.89
Mid	2437	-16.55	-12.62

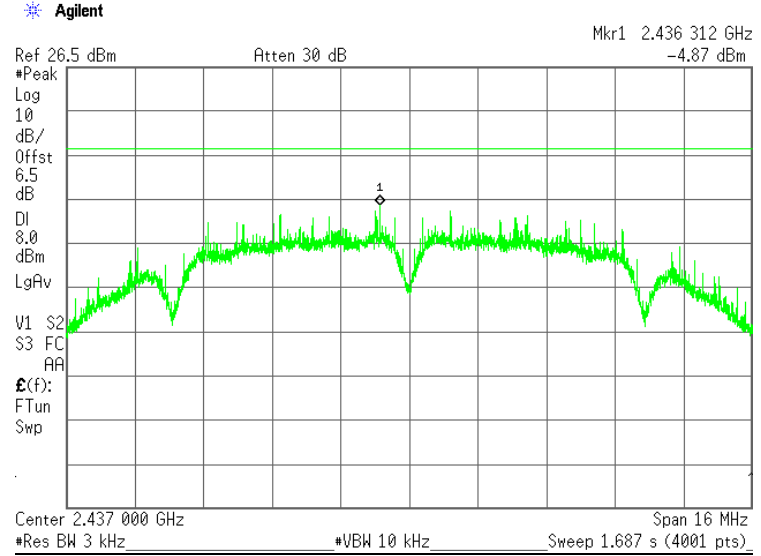
High	2452	-11.97	-11.22
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802.11n HT40 – msc7

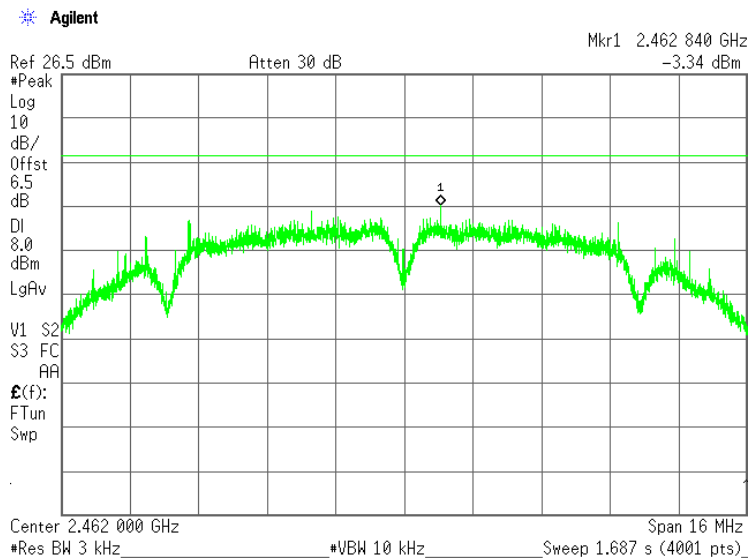
Channel	Frequency (MHz)	Max PSD (dBm)	
		Side Antenna	Top Antenna
Low	2422	-13.87	-14.92
Mid	2437	-15.00	-14.65
High	2452	-15.72	-16.06

PSD plots**802.11b 1Mbps – Side Antenna**

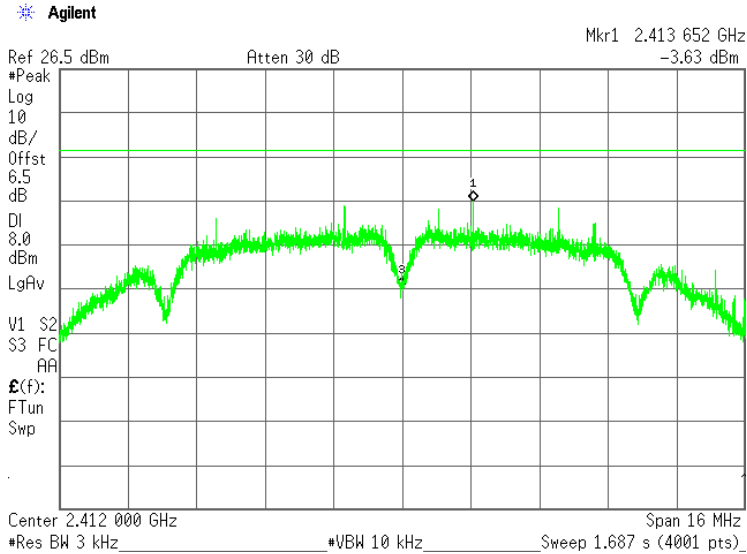
Low Channel - Plot



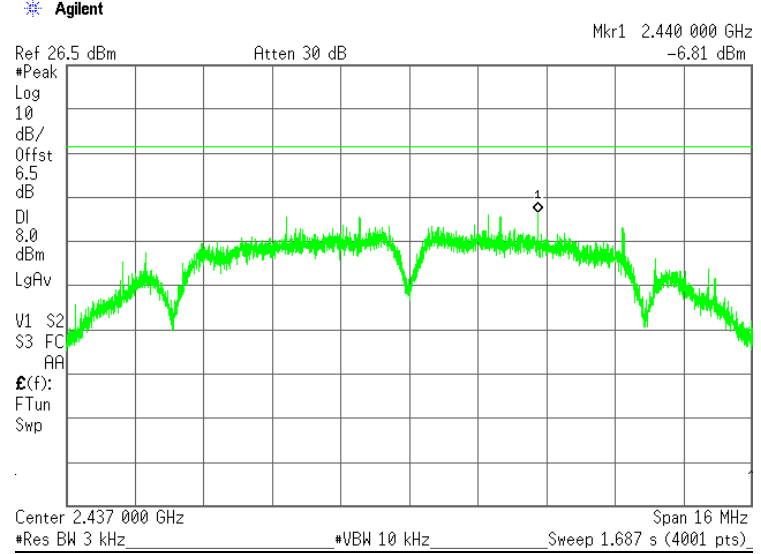
Mid Channel - Plot



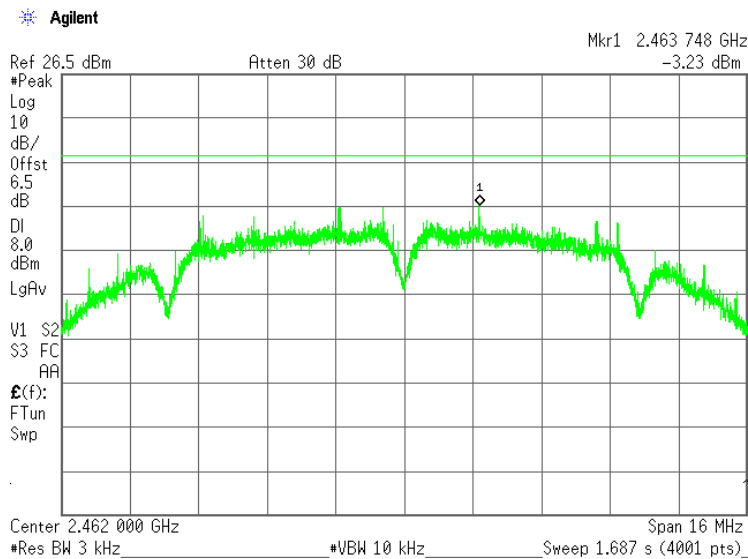
High Channel - Plot

802.11b 1Mbps – Top Antenna

Low Channel - Plot



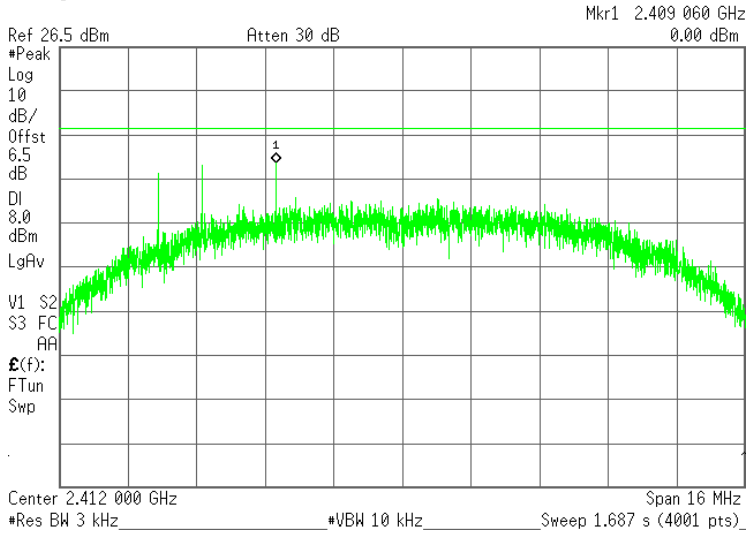
Mid Channel - Plot



High Channel - Plot

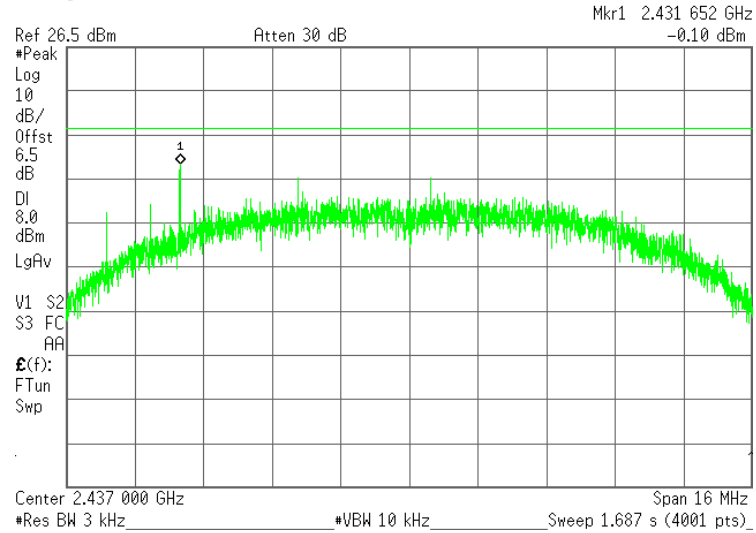
802.11b 11Mbps – Side Antenna

✧ Agilent



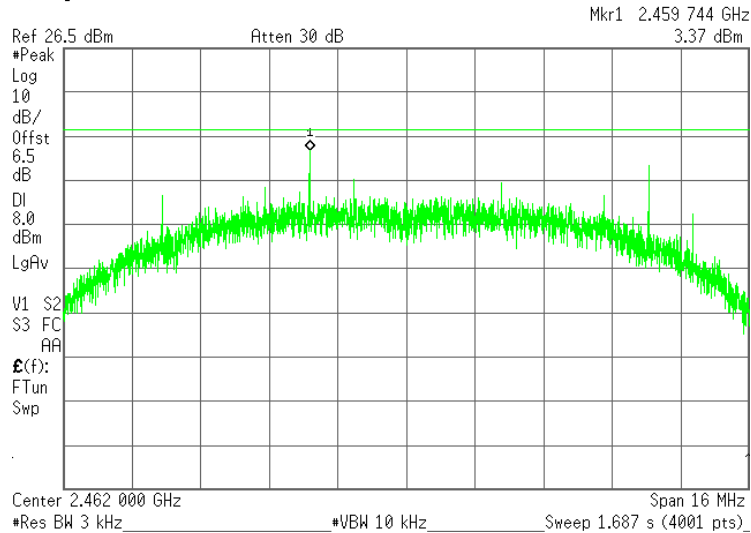
Low Channel - Plot

✧ Agilent



Mid Channel - Plot

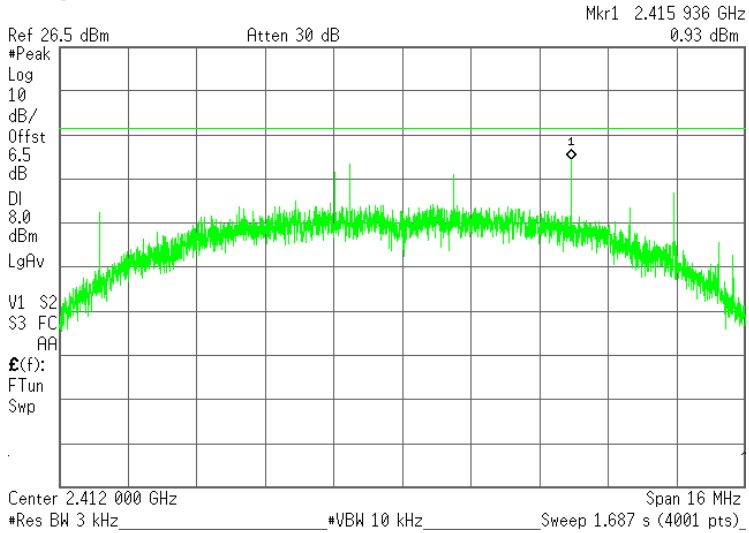
✧ Agilent



High Channel - Plot

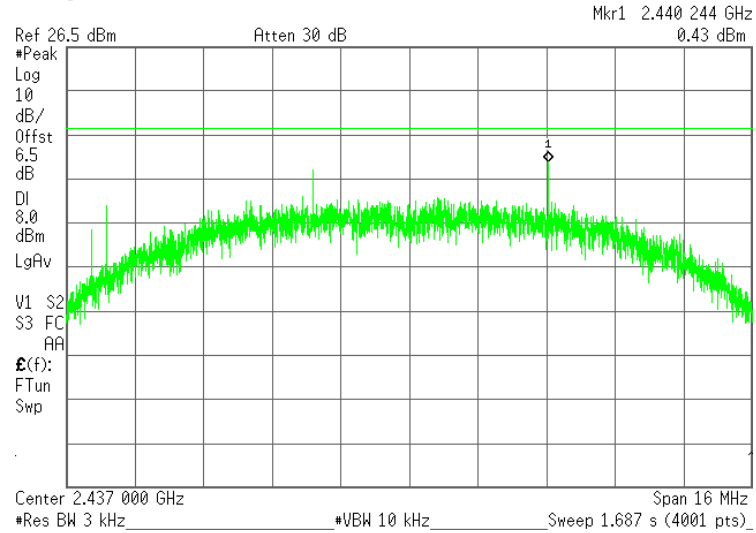
802.11b 11Mbps – Top Antenna

✱ Agilent



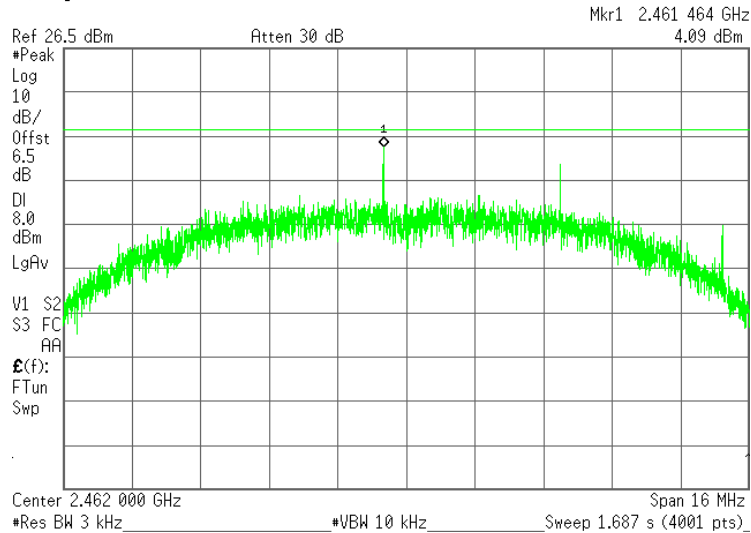
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

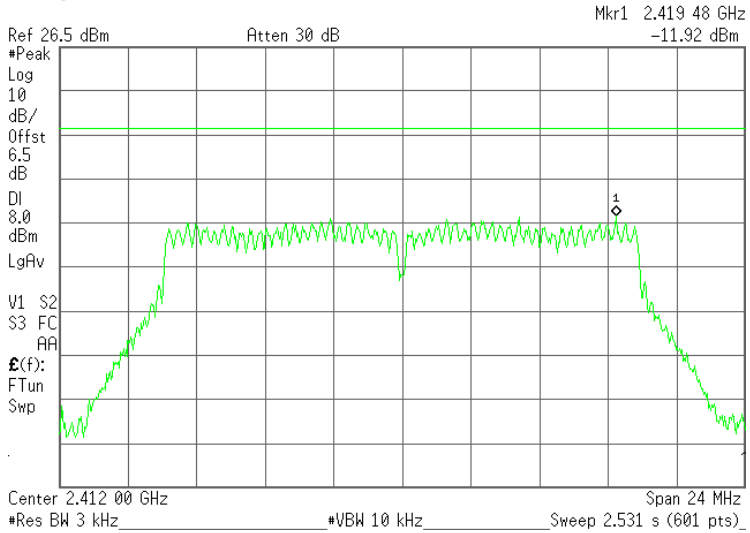
✱ Agilent



High Channel - Plot

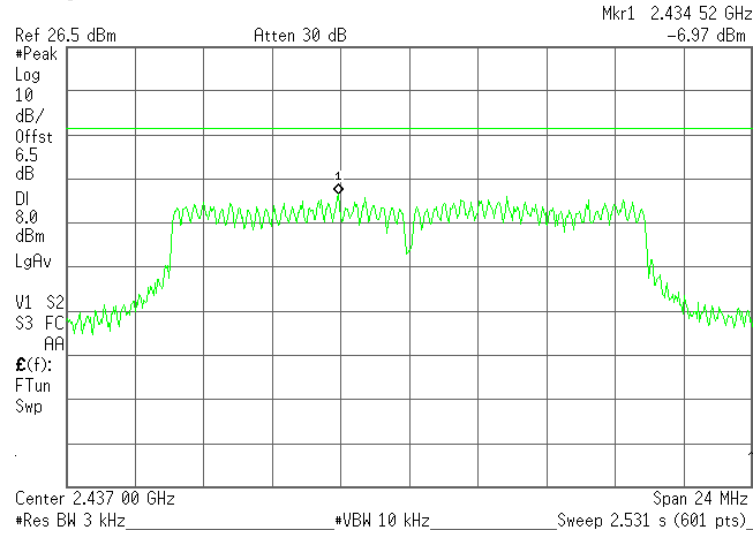
802.11g 6Mbps – Side Antenna

✱ Agilent



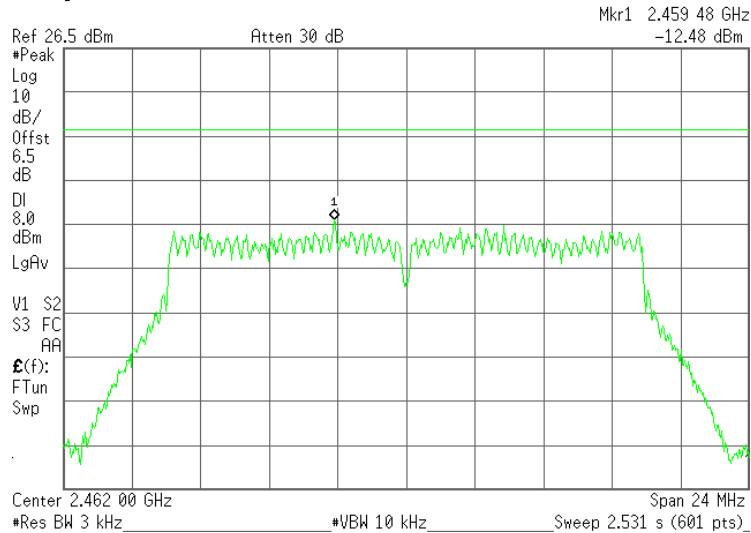
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

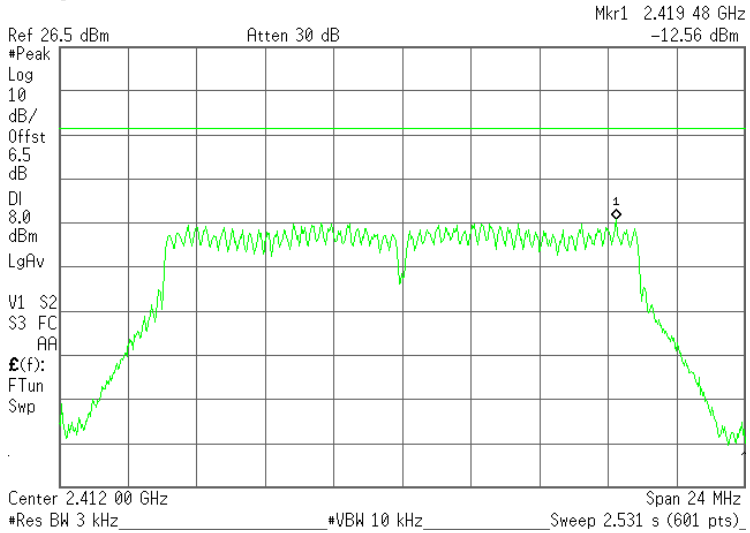
✱ Agilent



High Channel - Plot

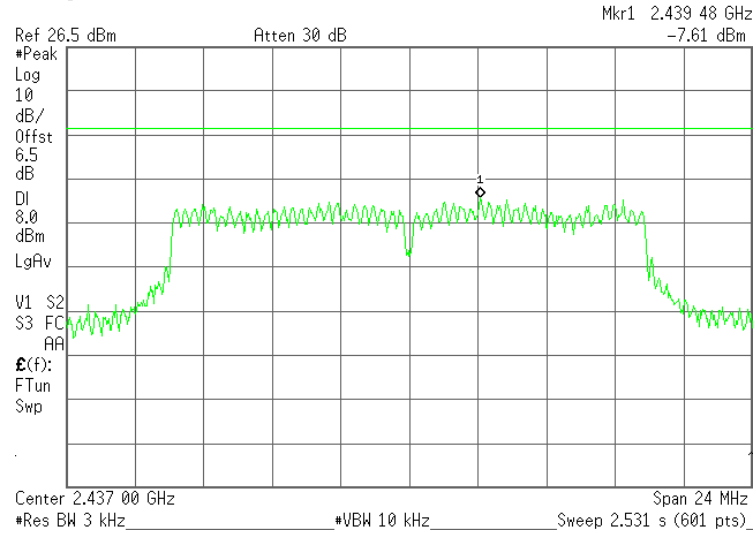
802.11g 6Mbps – Top Antenna

✱ Agilent



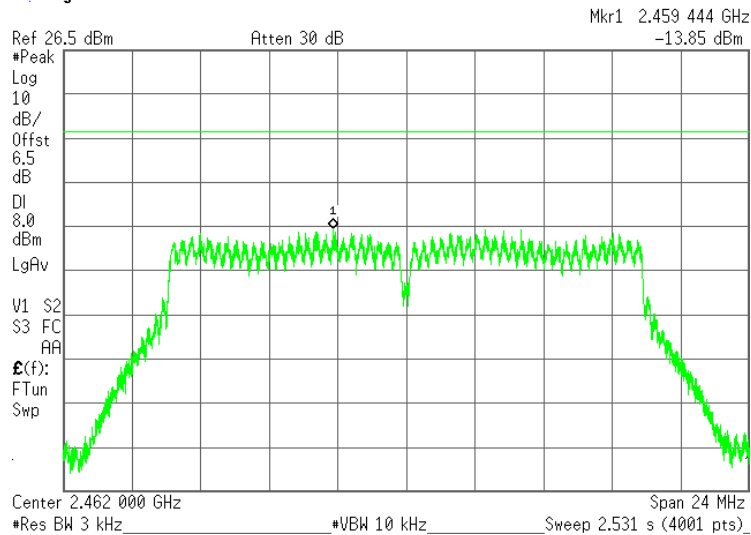
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

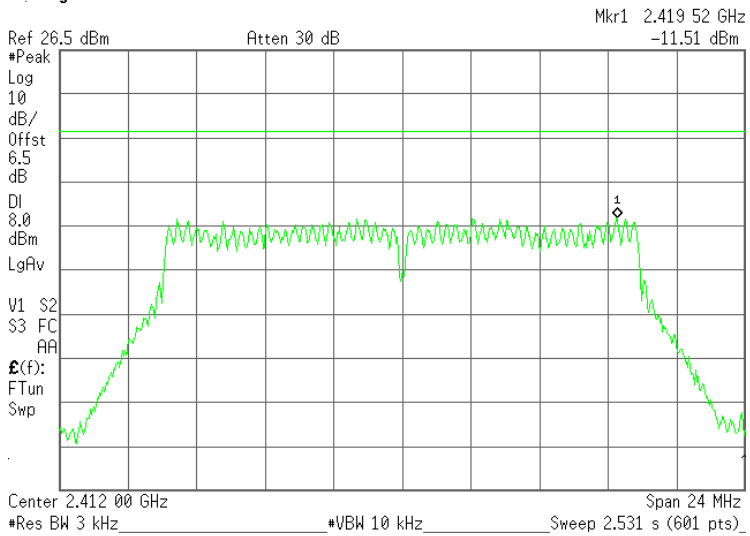
✱ Agilent



High Channel – Plot

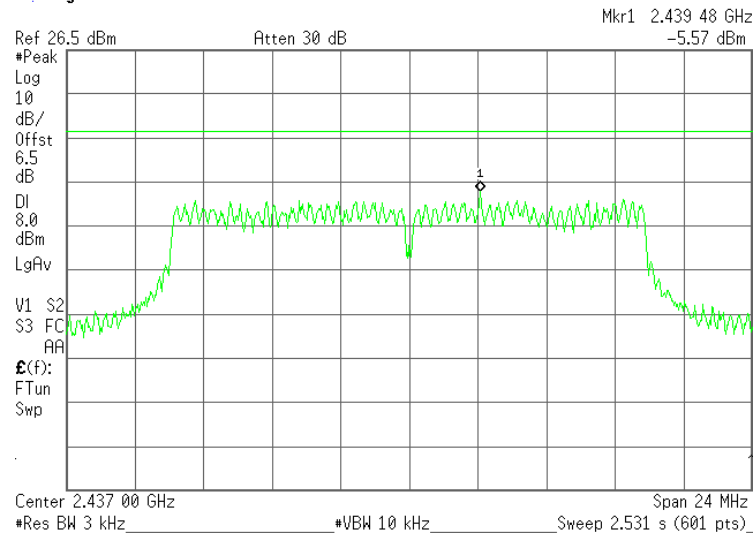
802.11g 36Mbps – Side Antenna

* Agilent



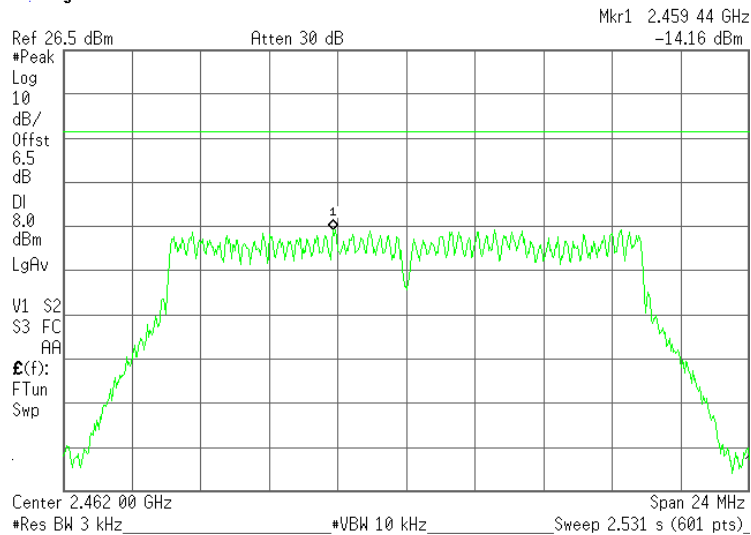
Low Channel - Plot

* Agilent



Mid Channel - Plot

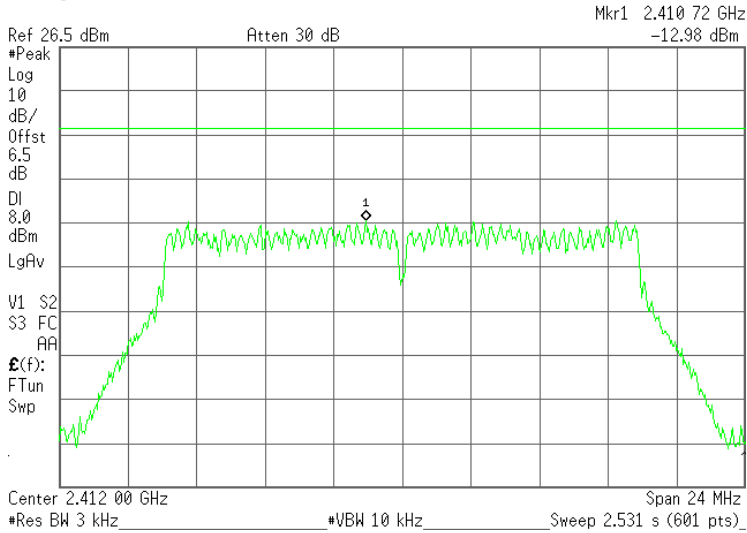
* Agilent



High Channel - Plot

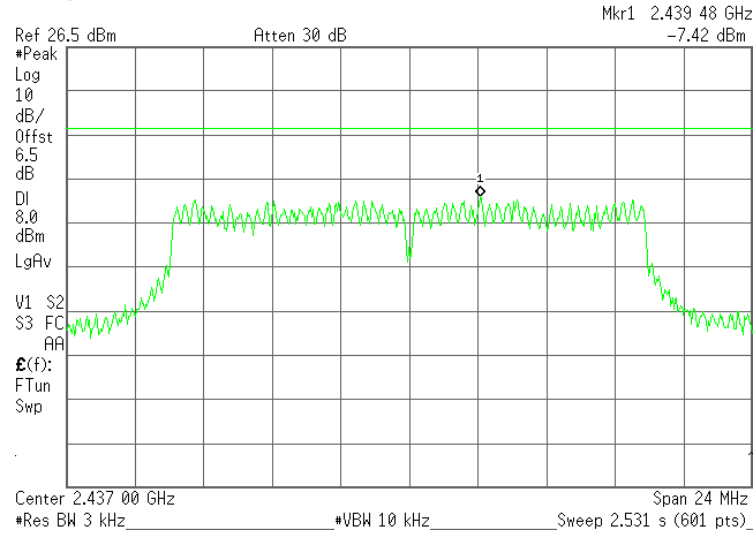
802.11g 36Mbps – Top Antenna

* Agilent



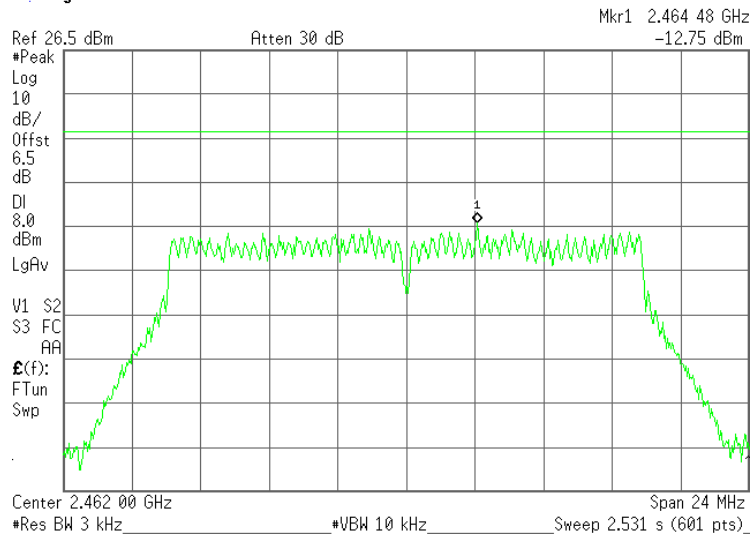
Low Channel - Plot

* Agilent



Mid Channel - Plot

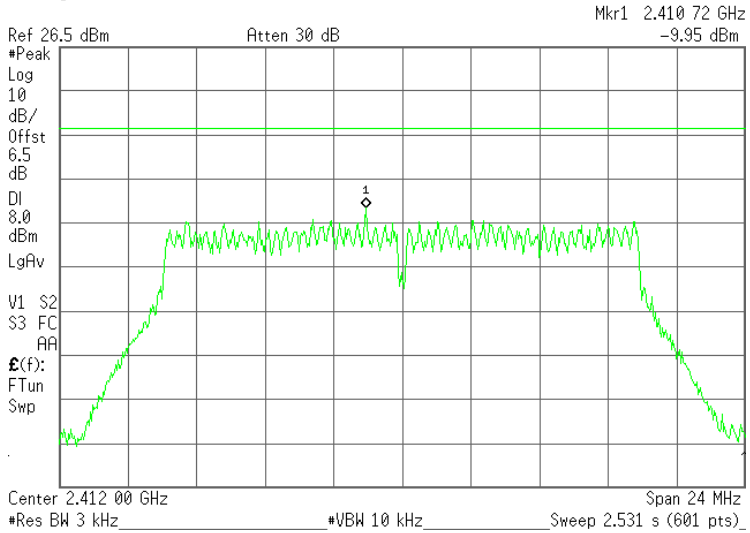
* Agilent



High Channel - Plot

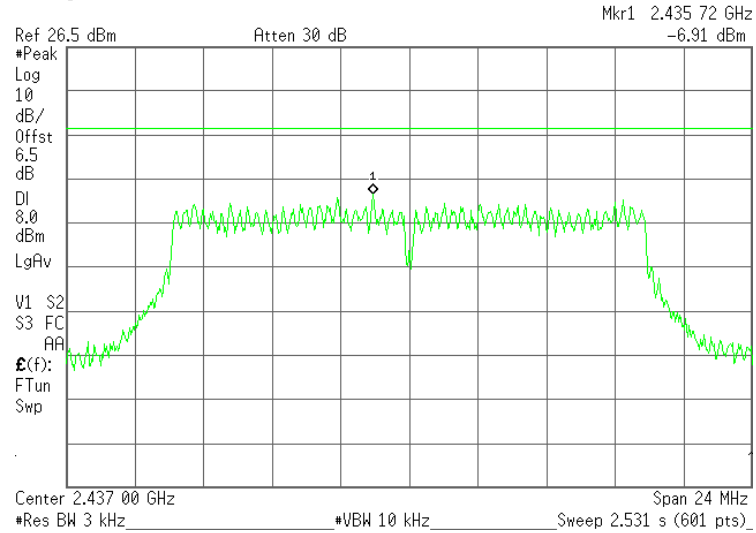
802.11g 54Mbps – Side Antenna

✱ Agilent



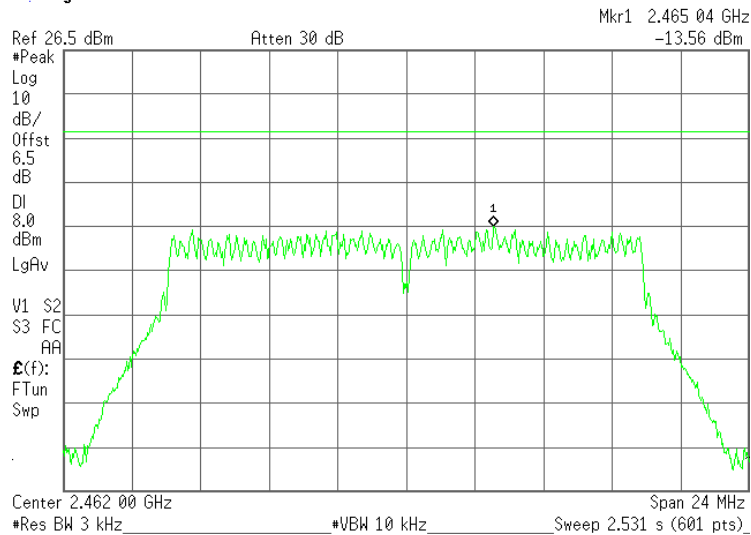
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

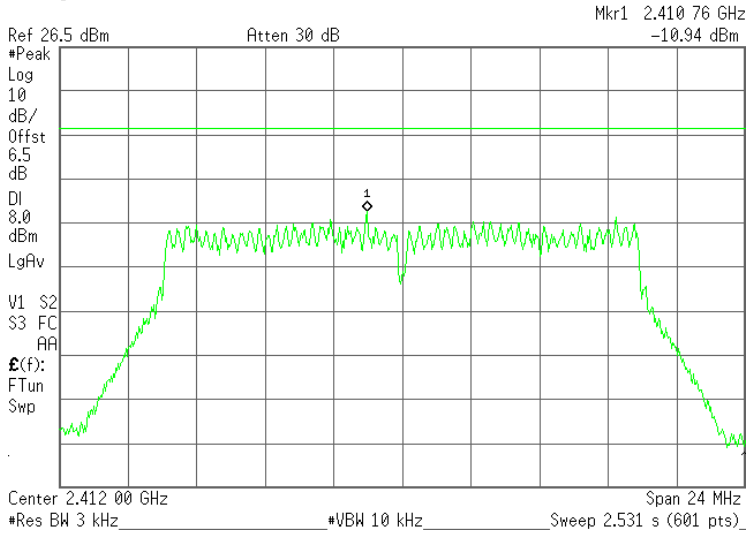
✱ Agilent



High Channel - Plot

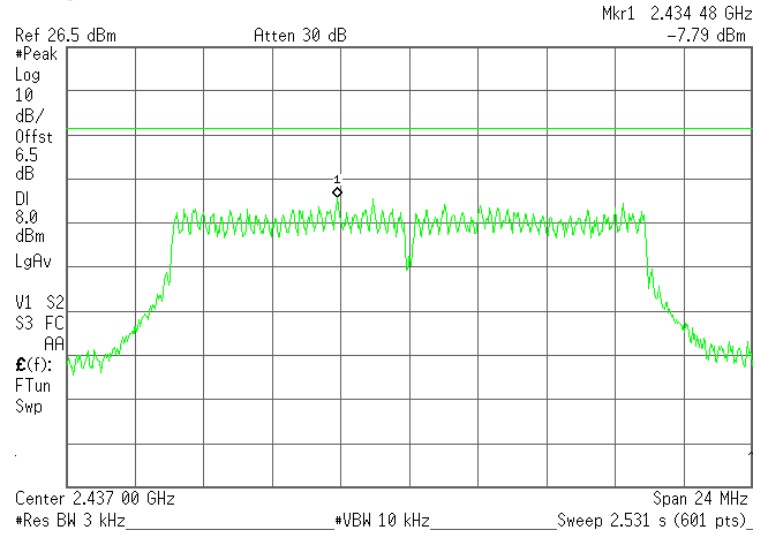
802.11g 54Mbps – Top Antenna

✱ Agilent



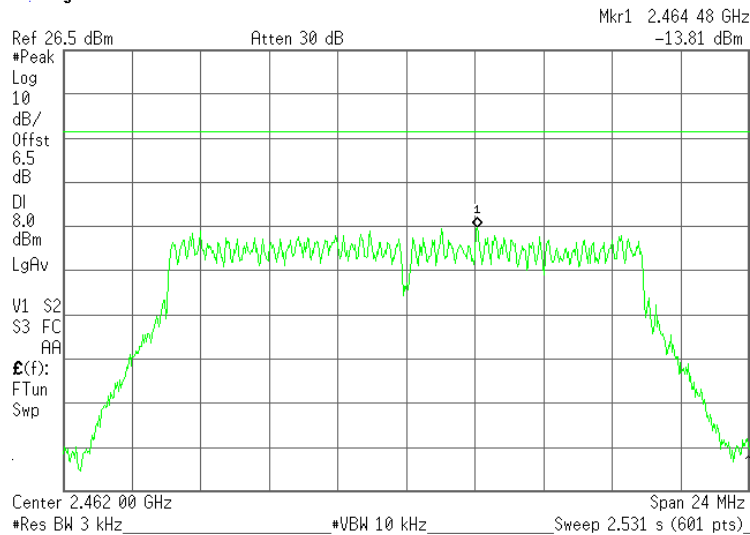
Low Channel - Plot

✱ Agilent



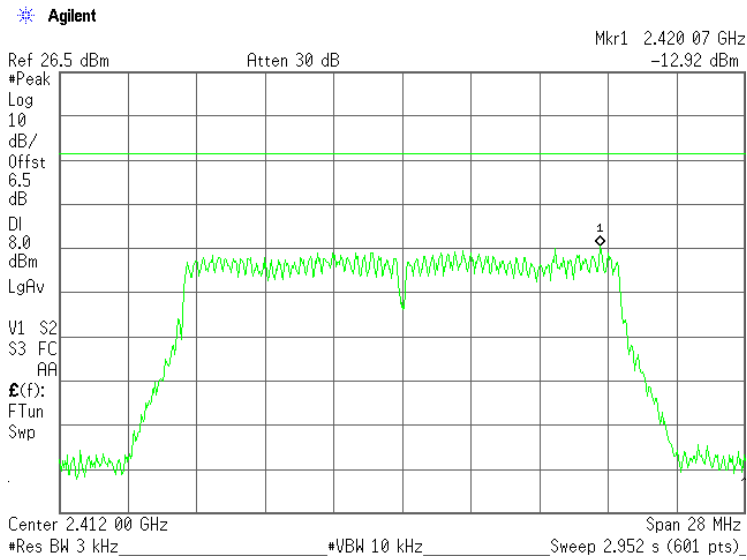
Mid Channel - Plot

✱ Agilent

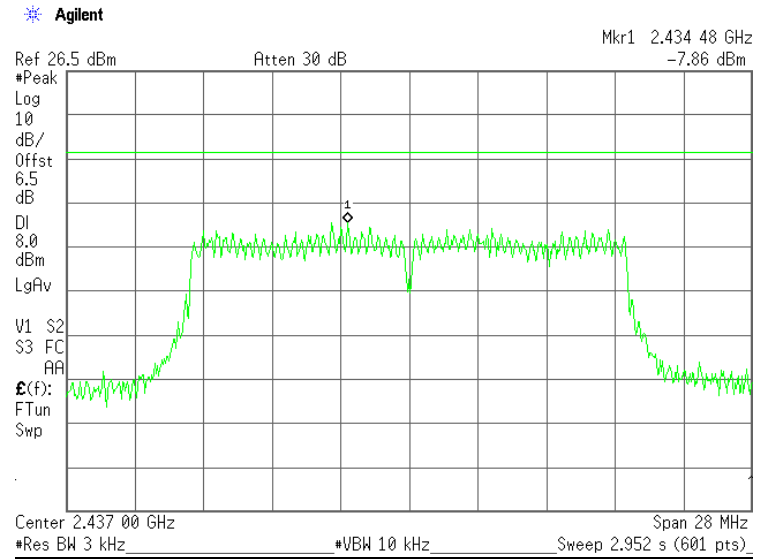


High Channel - Plot

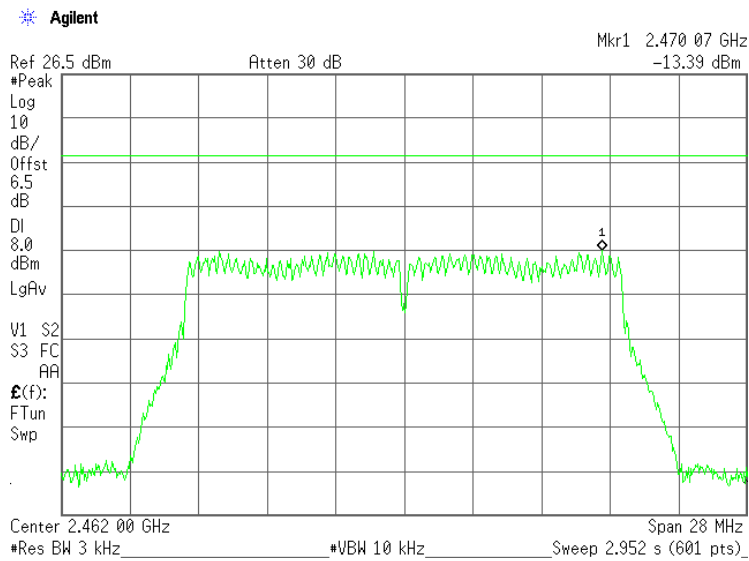
802.11n HT20 mcs0 – Side Antenna



Low Channel - Plot



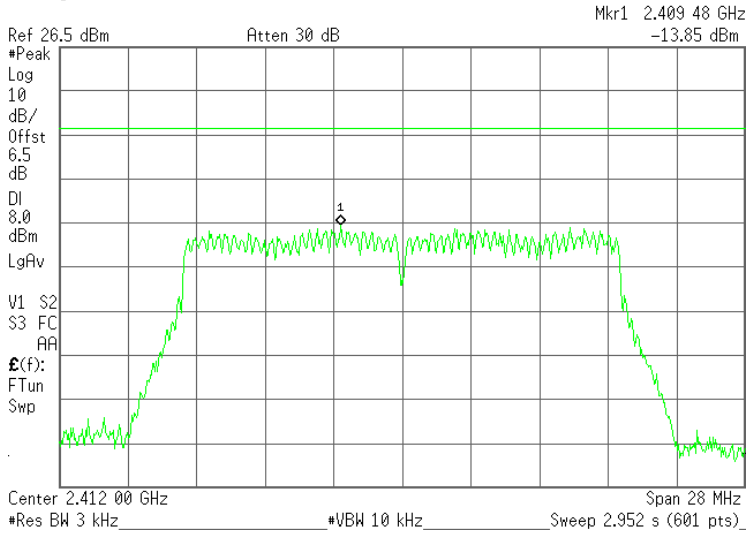
Mid Channel - Plot



High Channel - Plot

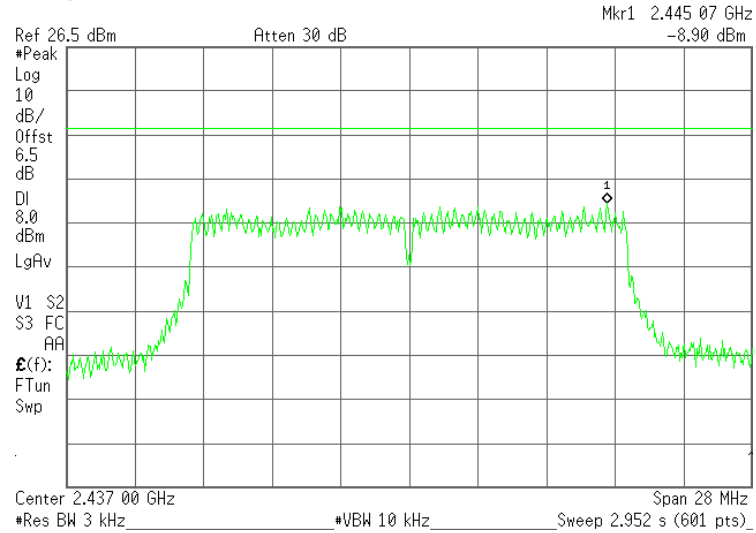
802.11n HT20 mcs0 – Top Antenna

* Agilent



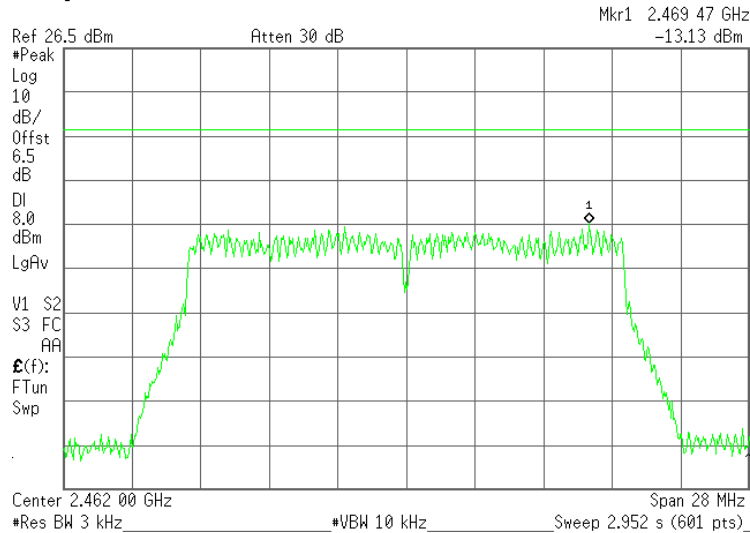
Low Channel - Plot

* Agilent



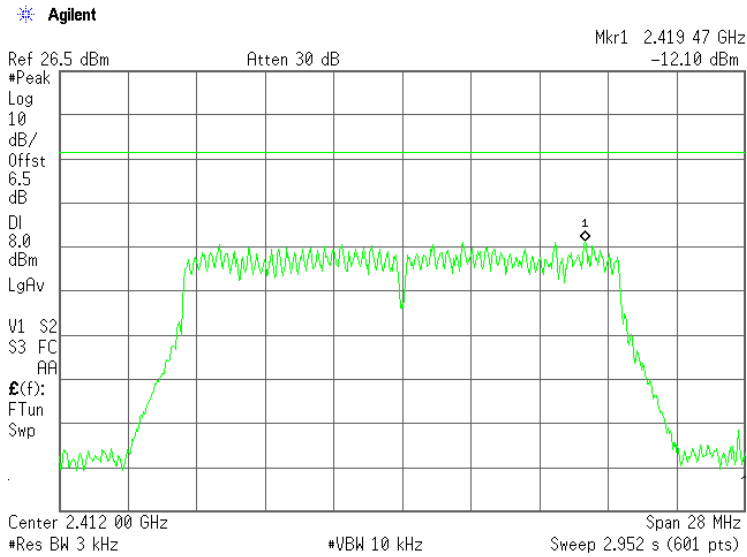
Mid Channel - Plot

* Agilent

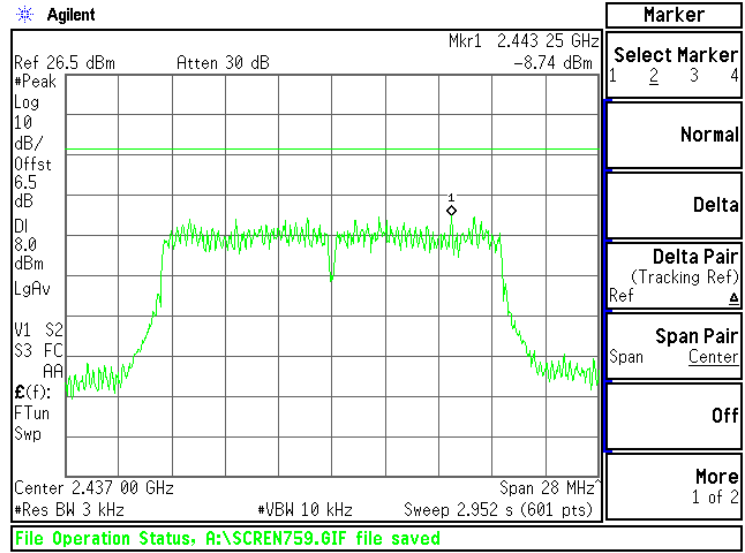


High Channel - Plot

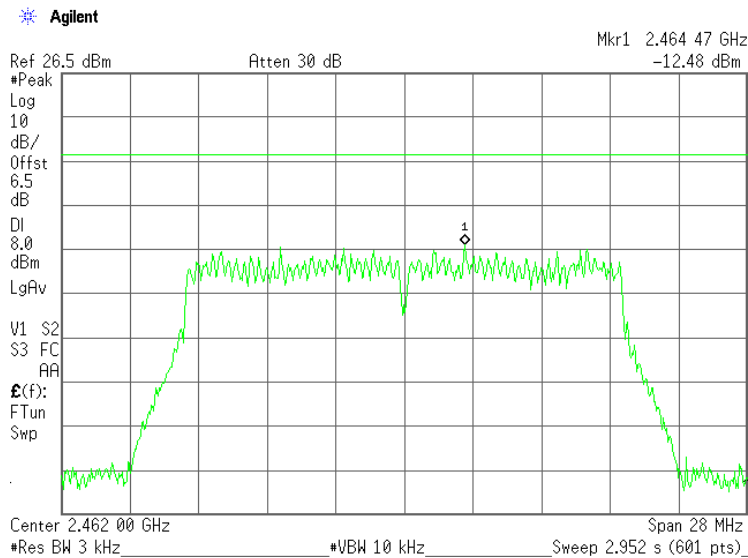
802.11n HT20 mcs7 – Side Antenna



Low Channel - Plot



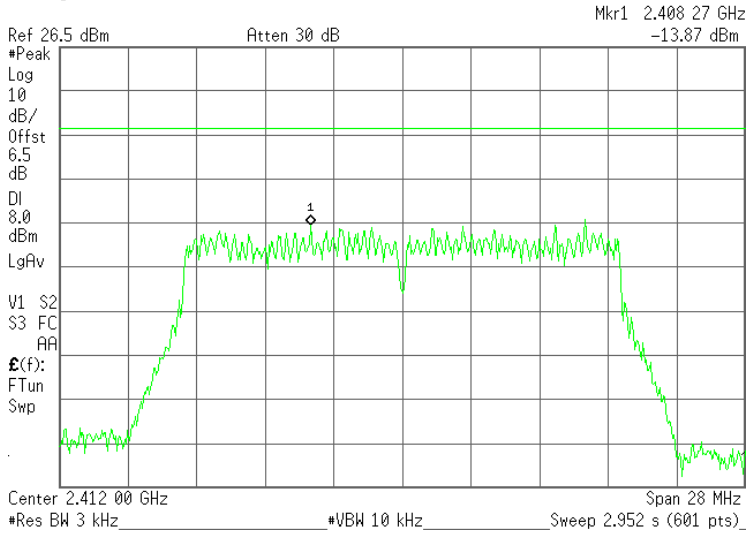
Mid Channel - Plot



High Channel - Plot

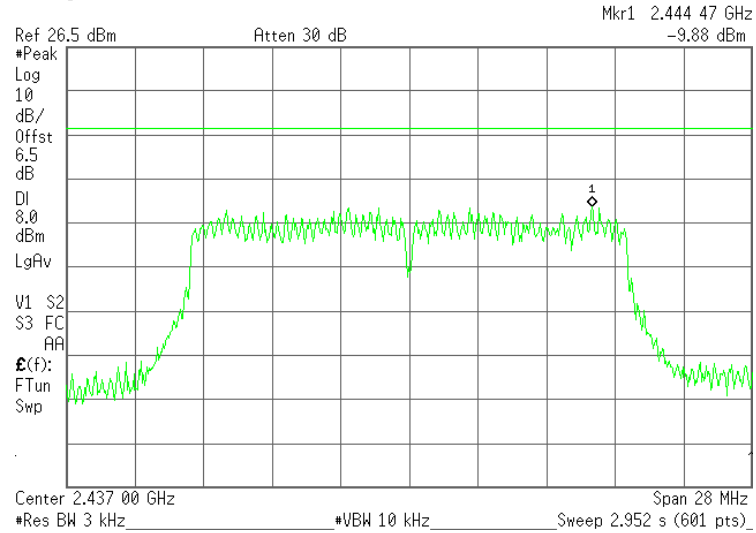
802.11n HT20 mcs7 – Top Antenna

* Agilent



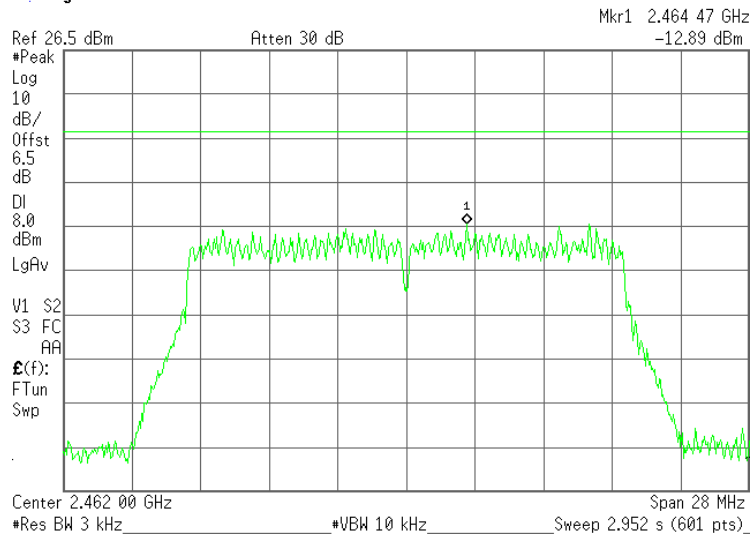
Low Channel - Plot

* Agilent



Mid Channel - Plot

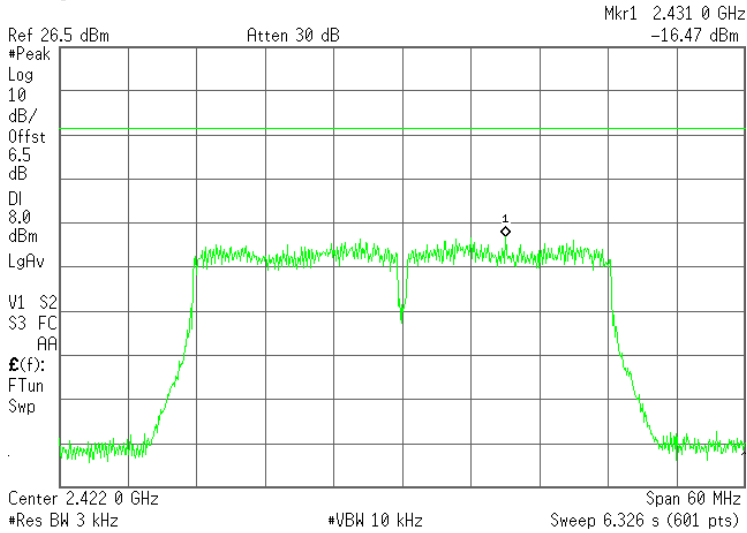
* Agilent



High Channel - Plot

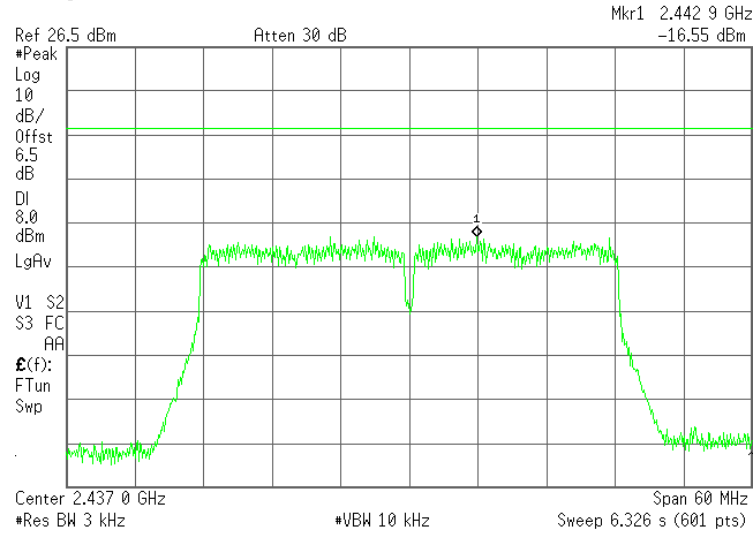
802.11n HT40 mcs0 – Side Antenna

Agilent



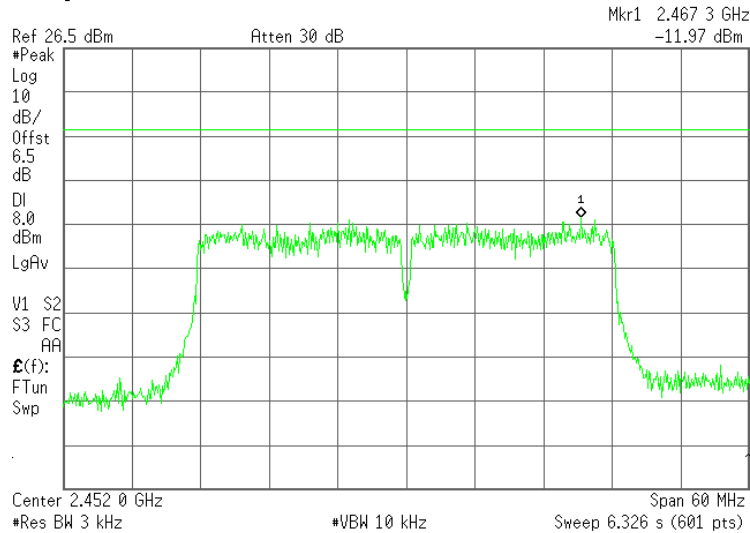
Low Channel - Plot

Agilent



Mid Channel - Plot

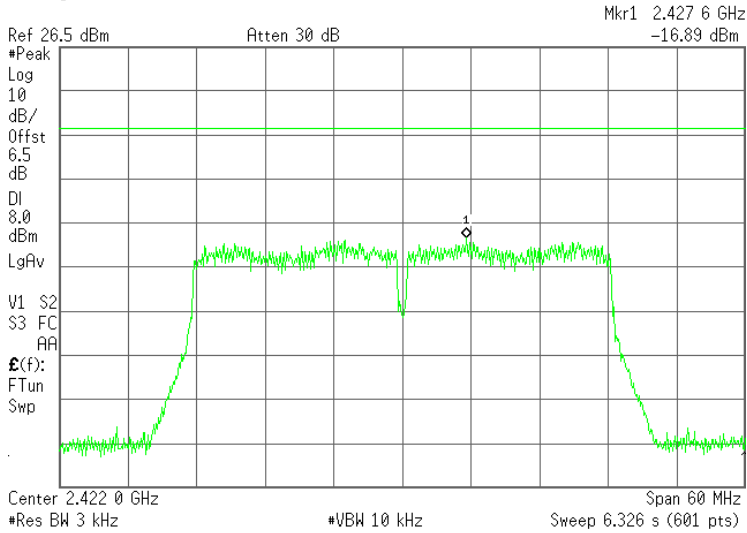
Agilent



High Channel - Plot

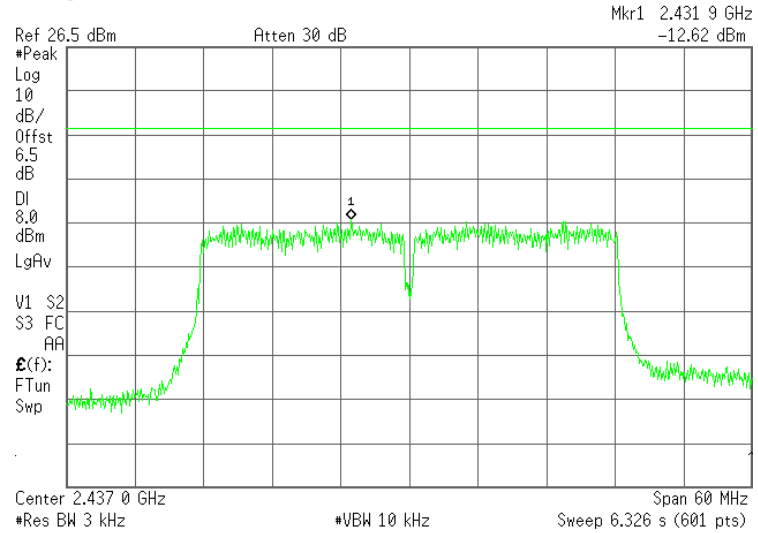
802.11n HT40 mcs0 – Top Antenna

✱ Agilent



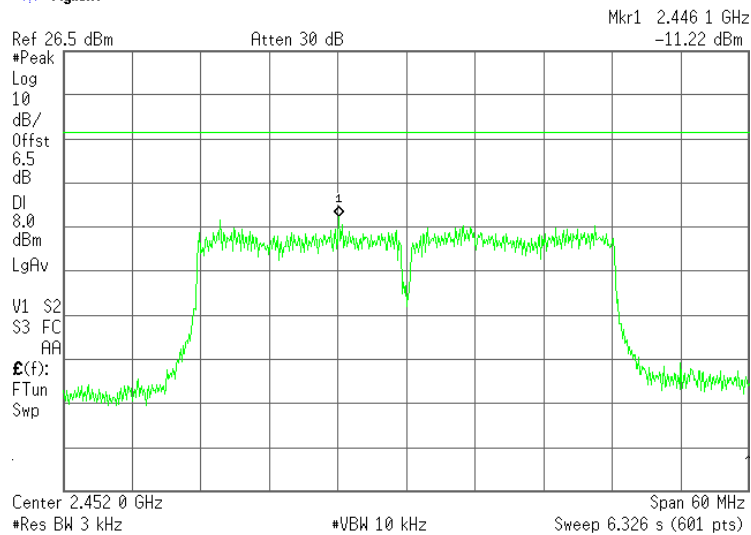
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

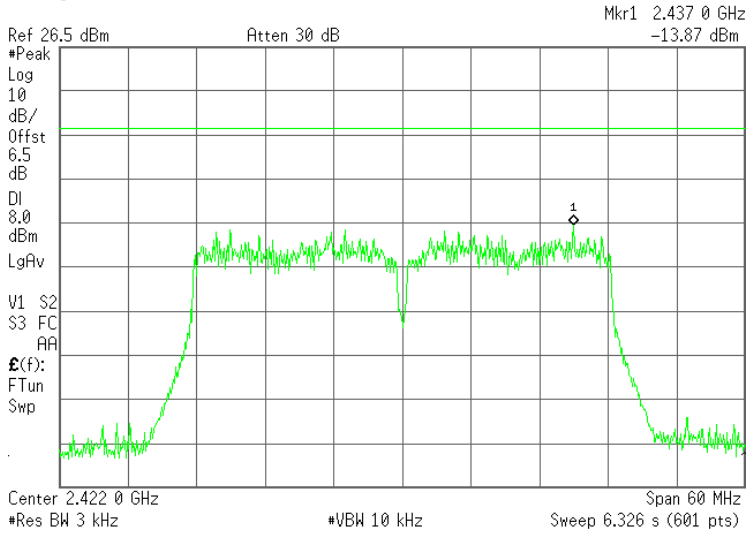
✱ Agilent



High Channel - Plot

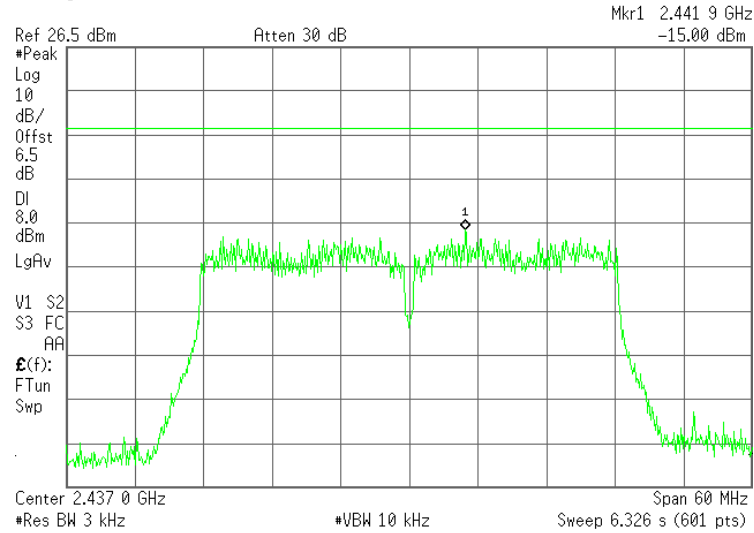
802.11n HT40 mcs7 – Side Antenna

* Agilent



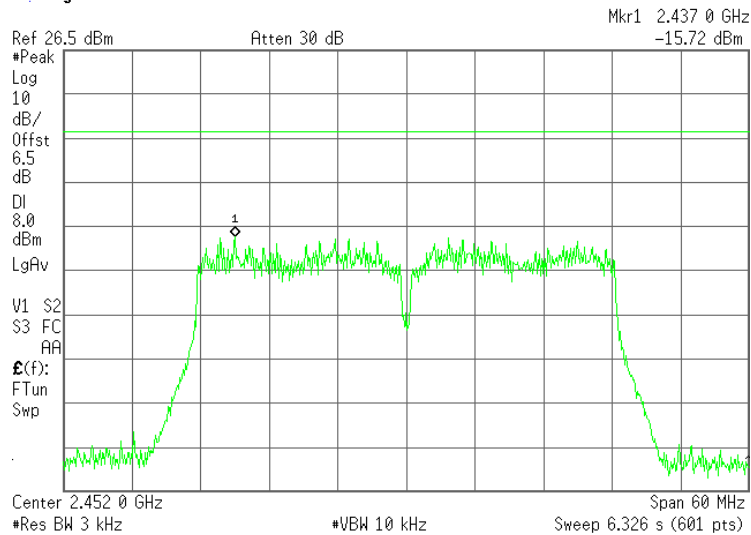
Low Channel - Plot

* Agilent



Mid Channel - Plot

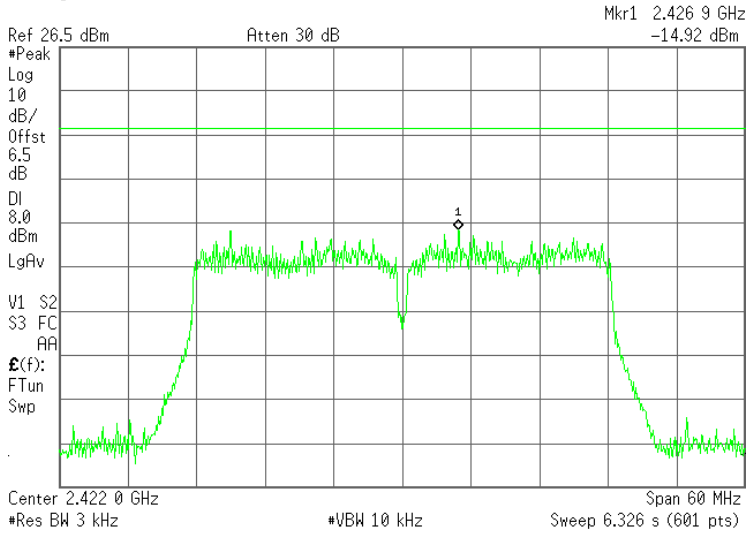
* Agilent



High Channel - Plot

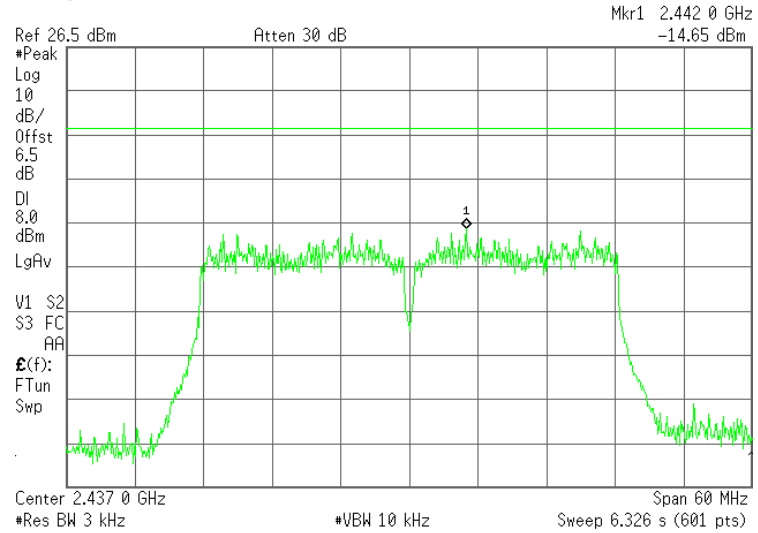
802.11n HT40 mcs7 – Top Antenna

* Agilent



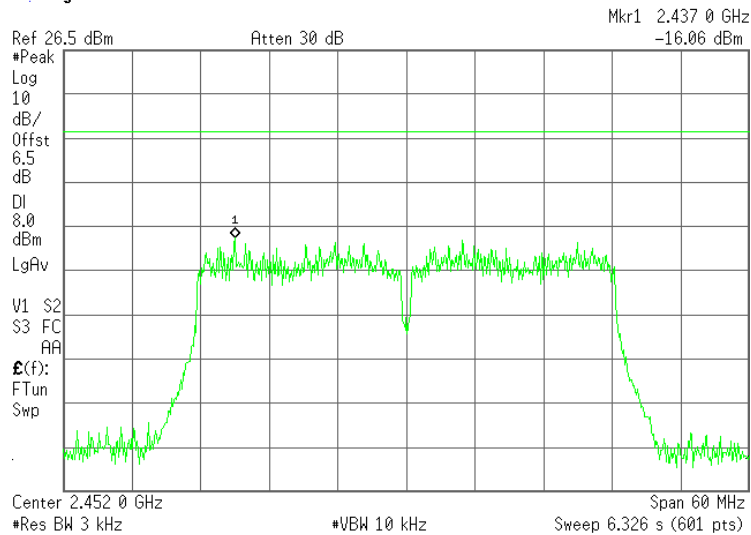
Low Channel - Plot

* Agilent



Mid Channel - Plot

* Agilent



High Channel - Plot

Spurious Conducted Emissions

Test Description

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on RF conducted measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

Test Criteria

Reference	Limit
CFR 47 Subpart C 15.247 (d) RSS-247, Section 5.5	20dBc Below the Fundamental

Note: 20dBc is in reference to the previously measured PSD measurements as referenced in ANSI C63.10 Section 11.11.2

Test Information

Tester	Test Location	Date	Temperature (°C)	Humidity (%RH)	Pressure (mbar)	Results (P/F)
Jose Badia	RF Lab	6/03/2025	21.11	34	1021	P

Test Results

802.11b – 1Mbps

Conducted Spurious							
Channel	Frequency (MHz)	Highest Peak Measurement (dBm)		20dBc Limit (dBm)		Margin (dB)	
		Side Antenna	Top Antenna	Side Antenna	Top Antenna	Side Antenna	Top Antenna
Low	2412	-50.13	-50.34	-3.92	-3.63	-46.21	-46.71
Mid	2437	-49.67	-49.41	-1.17	-3.12	-48.5	-46.29
High	2462	-48.91	-49.06	-3.34	-3.23	-45.57	-45.83

802.11b – 11Mbps

Conducted Spurious							
Channel	Frequency (MHz)	Highest Peak Measurement (dBm)		20dBc Limit (dBm)		Margin (dB)	
		Side Antenna	Top Antenna	Side Antenna	Top Antenna	Side Antenna	Top Antenna
Low	2412	-52.96	-50.18	0.00	0.93	-52.96	-51.11
Mid	2437	-48.62	-49.58	-0.10	0.43	-48.52	-50.01

High	2462	-49.50	-51.09	3.37	4.09	-52.87	-55.18
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802.11g – 6Mbps

Conducted Spurious							
Channel	Frequency (MHz)	Highest Peak Measurement (dBm)		20dBc Limit (dBm)		Margin (dB)	
		Side Antenna	Top Antenna	Side Antenna	Top Antenna	Side Antenna	Top Antenna
Low	2412	-48.77	-52.47	-11.92	-12.56	-36.85	-39.91
Mid	2437	-50.30	-50.44	-6.97	-7.61	-43.33	-42.83
High	2462	-51.23	-52.02	-12.48	-13.85	-38.75	-38.17

802.11g – 36Mbps

Conducted Spurious							
Channel	Frequency (MHz)	Highest Peak Measurement (dBm)		20dBc Limit (dBm)		Margin (dB)	
		Side Antenna	Top Antenna	Side Antenna	Top Antenna	Side Antenna	Top Antenna
Low	2412	-49.83	-50.60	-11.51	-12.98	-38.32	-37.62
Mid	2437	-49.68	-50.04	-5.57	-7.42	-44.11	-42.62
High	2462	-49.04	-49.55	-14.16	-12.75	-34.88	-36.8

802.11g – 54Mbps

Conducted Spurious							
Channel	Frequency (MHz)	Highest Peak Measurement (dBm)		20dBc Limit (dBm)		Margin (dB)	
		Side Antenna	Top Antenna	Side Antenna	Top Antenna	Side Antenna	Top Antenna
Low	2412	-47.80	-50.26	-9.95	-10.94	-37.85	-39.32
Mid	2437	-45.69	-49.57	-6.91	-7.79	-38.78	-41.78
High	2462	-47.44	-45.75	-13.56	-13.81	-33.88	-31.94

802.11n HT20 – msc0

Conducted Spurious							
Channel	Frequency (MHz)	Highest Peak Measurement (dBm)		20dBc Limit (dBm)		Margin (dB)	
		Side Antenna	Top Antenna	Side Antenna	Top Antenna	Side Antenna	Top Antenna
Low	2412	-46.16	-47.83	-12.92	-13.85	-33.24	-33.98
Mid	2437	-46.21	-46.38	-7.86	-8.90	-38.35	-37.48
High	2462	-46.84	-46.69	-13.39	-13.13	-33.45	-33.56

802.11n HT20 – msc7

Conducted Spurious							
Channel	Frequency (MHz)	Highest Peak Measurement (dBm)		20dBc Limit (dBm)		Margin (dB)	
		Side Antenna	Top Antenna	Side Antenna	Top Antenna	Side Antenna	Top Antenna
Low	2412	-49.06	-45.90	-12.10	-13.87	-36.96	-32.03
Mid	2437	-47.28	-48.24	-8.74	-9.88	-38.54	-38.36
High	2462	-48.92	-46.73	-12.48	-12.89	-36.44	-33.84

802.11n HT40 – msc0

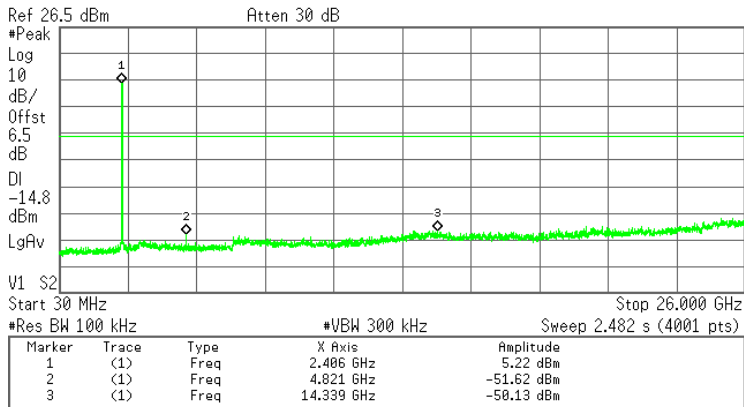
Conducted Spurious							
Channel	Frequency (MHz)	Highest Peak Measurement (dBm)		20dBc Limit (dBm)		Margin (dB)	
		Side Antenna	Top Antenna	Side Antenna	Top Antenna	Side Antenna	Top Antenna
Low	2412	-46.90	-47.62	-16.47	-16.89	-30.43	-30.73
Mid	2437	-47.01	-49.31	-16.55	-12.62	-30.46	-36.69
High	2462	-48.55	-45.33	-11.97	-11.22	-36.58	-34.11

802.11n HT40 – msc7

Conducted Spurious							
Channel	Frequency (MHz)	Highest Peak Measurement (dBm)		20dBc Limit (dBm)		Margin (dB)	
		Side Antenna	Top Antenna	Side Antenna	Top Antenna	Side Antenna	Top Antenna
Low	2412	-45.81	-46.35	-13.87	-14.92	-31.94	-31.43
Mid	2437	-47.02	-47.51	-15.00	-14.65	-32.02	-32.86
High	2462	-48.29	-44.96	-15.72	-16.06	-32.57	-28.9

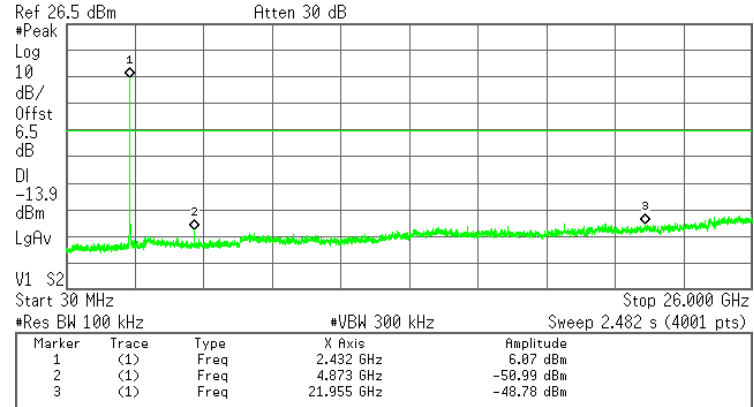
802.11b 1Mbps – Side Antenna

* Agilent



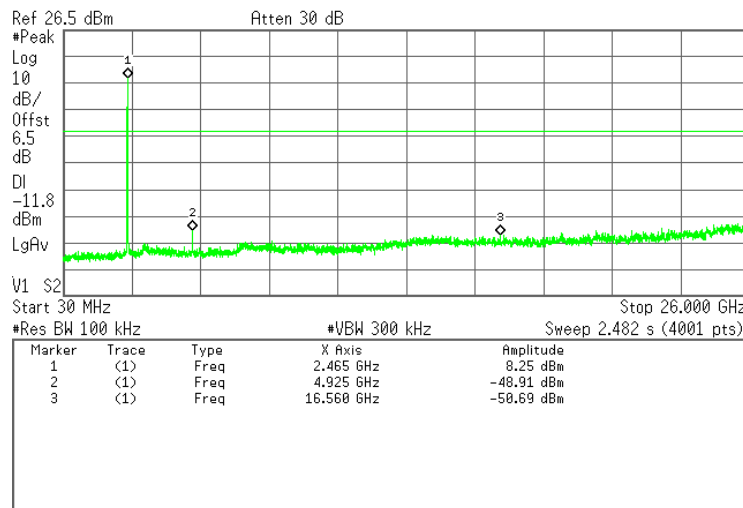
Low Channel - Plot

* Agilent



Mid Channel - Plot

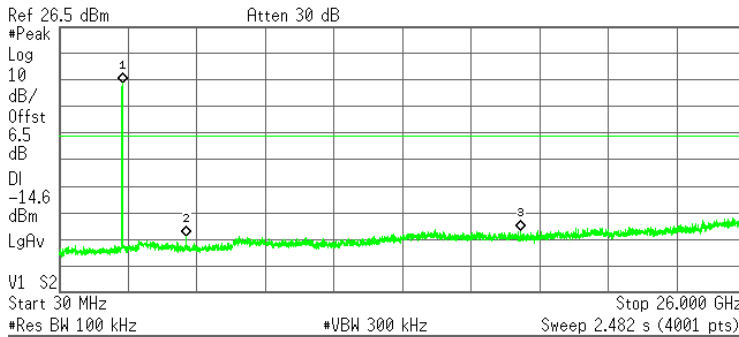
* Agilent



High Channel - Plot

802.11b 1Mbps – Top Antenna

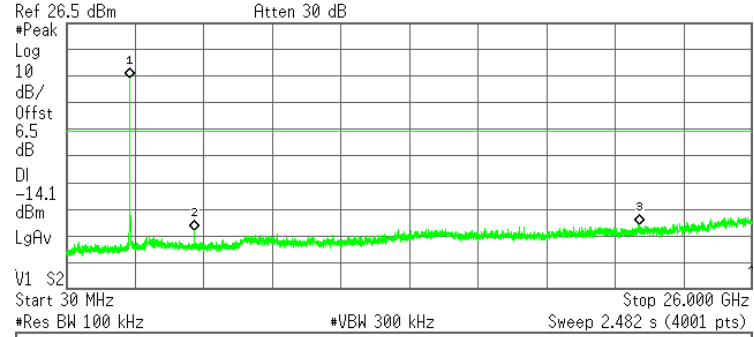
* Agilent



Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	2.413 GHz	5.42 dBm
2	(1)	Freq	4.821 GHz	-52.31 dBm
3	(1)	Freq	17.469 GHz	-50.34 dBm

Low Channel - Plot

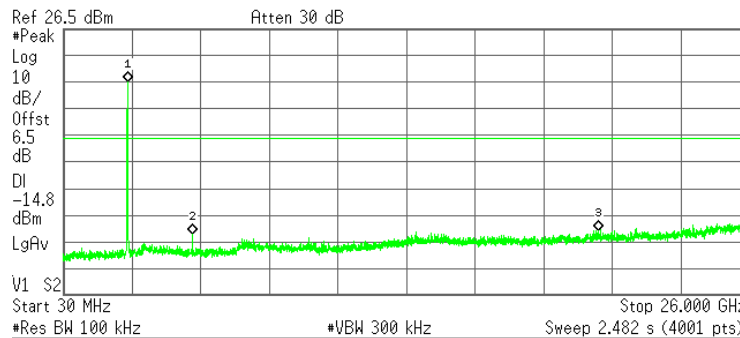
* Agilent



Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	2.439 GHz	5.86 dBm
2	(1)	Freq	4.873 GHz	-51.49 dBm
3	(1)	Freq	21.741 GHz	-49.32 dBm

Mid Channel - Plot

* Agilent

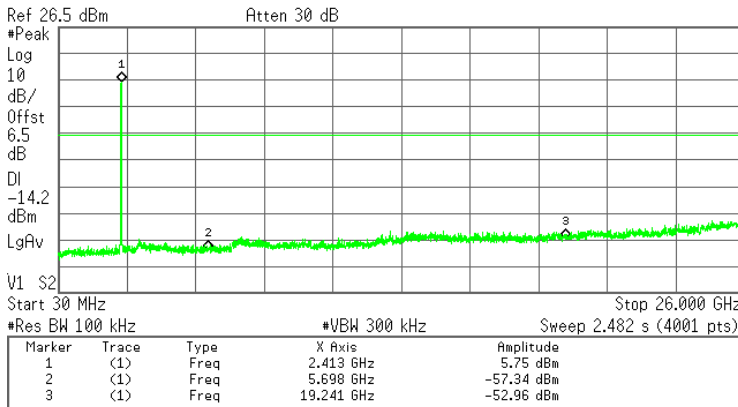


Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	2.458 GHz	6.64 dBm
2	(1)	Freq	4.925 GHz	-50.40 dBm
3	(1)	Freq	20.280 GHz	-49.06 dBm

High Channel - Plot

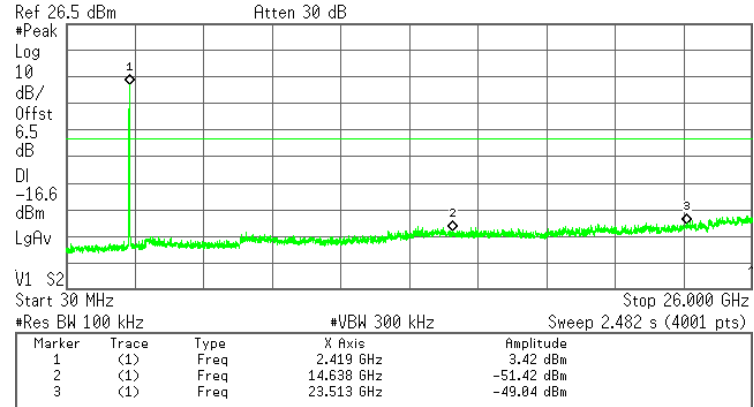
802.11b 11Mbps – Side Antenna

✱ Agilent



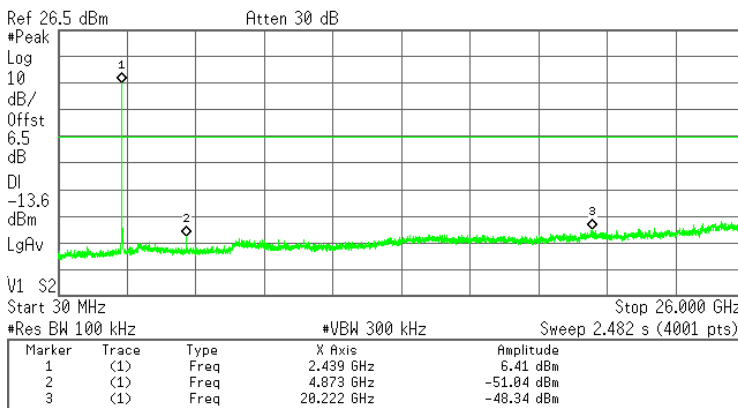
CH 1 - Plot

✱ Agilent



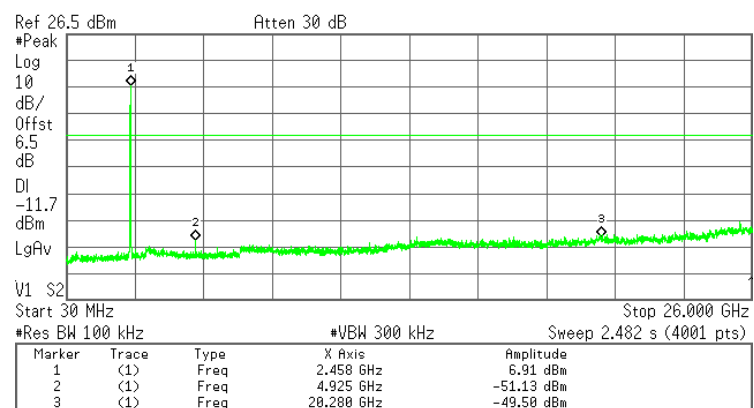
CH 2 - Plot

✱ Agilent



Mid - Plot

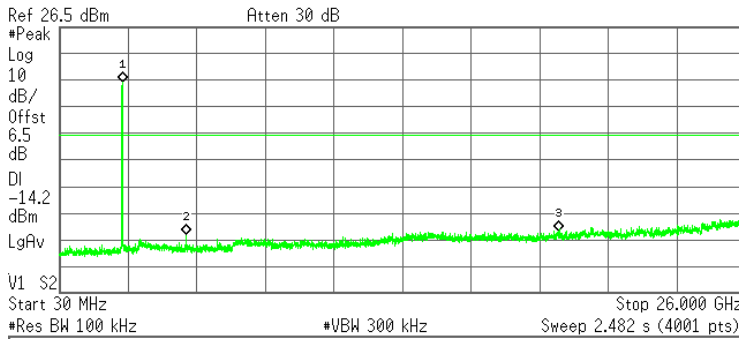
✱ Agilent



High Channel - Plot

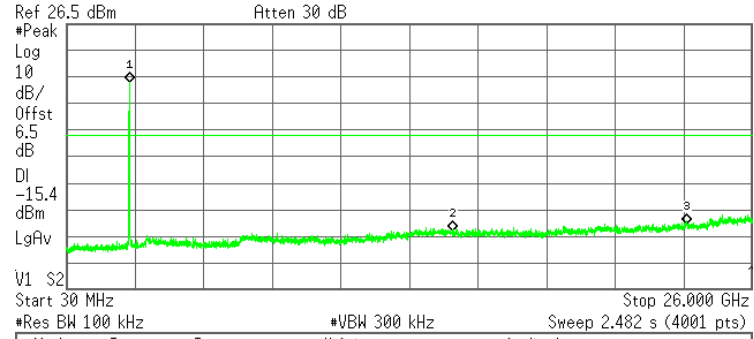
802.11b 11Mbps – Top Antenna

✱ Agilent



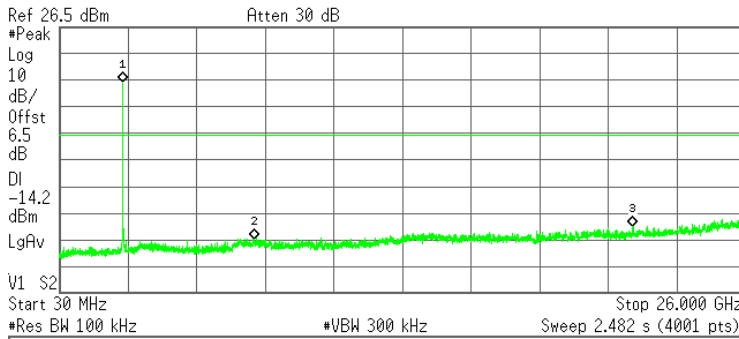
CH 1 - Plot

✱ Agilent



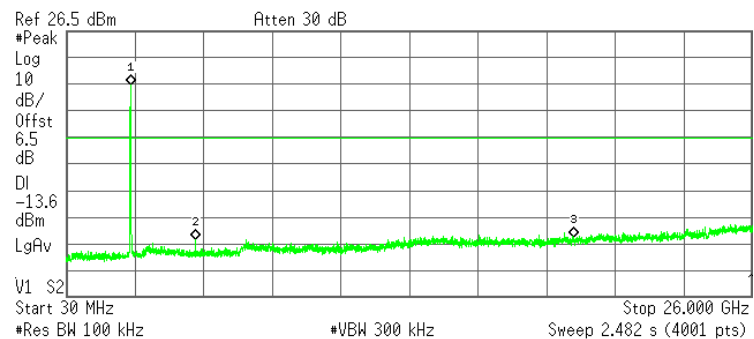
CH 2 - Plot

✱ Agilent



Mid Channel - Plot

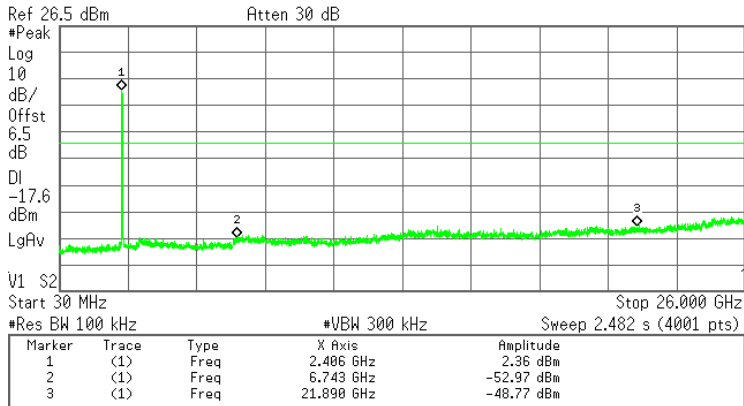
✱ Agilent



High Channel - Plot

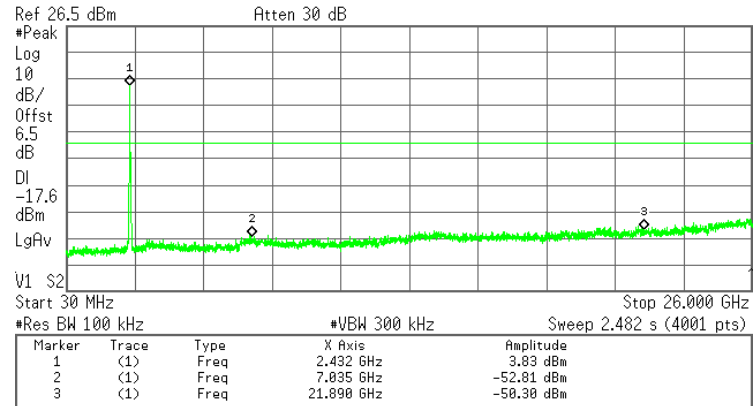
802.11g 6Mbps – Side Antenna

✱ Agilent



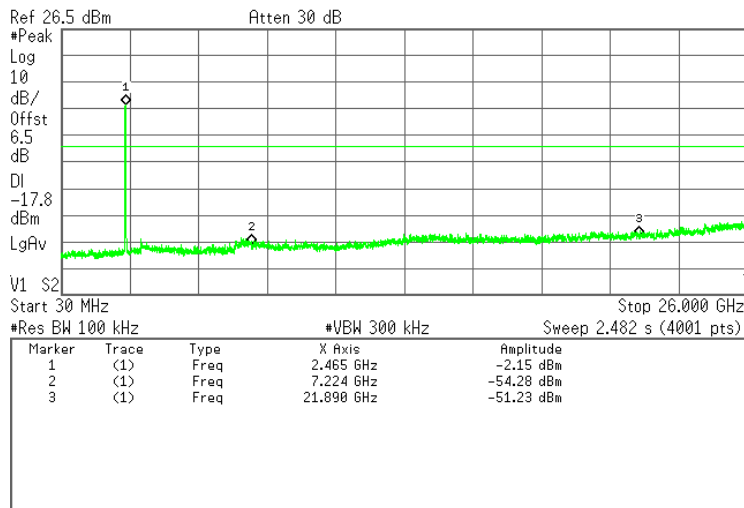
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

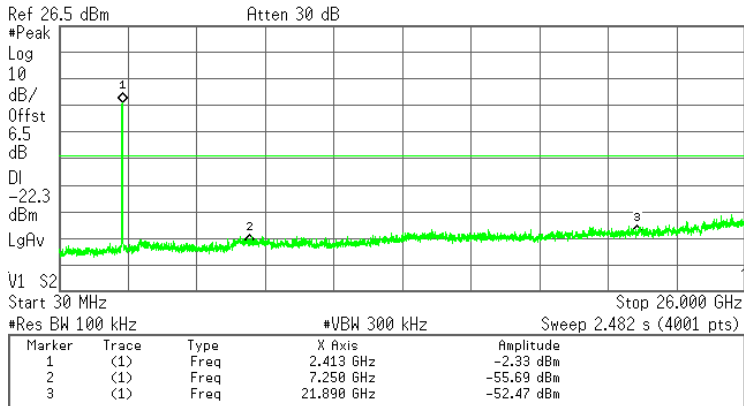
✱ Agilent



High Channel - Plot

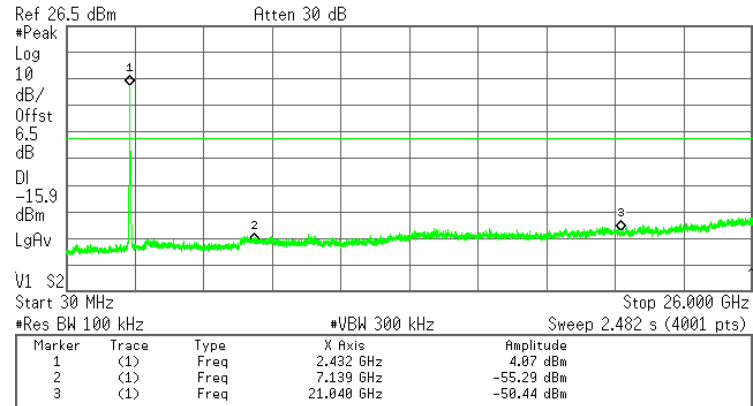
802.11g 6Mbps – Top Antenna

✱ Agilent



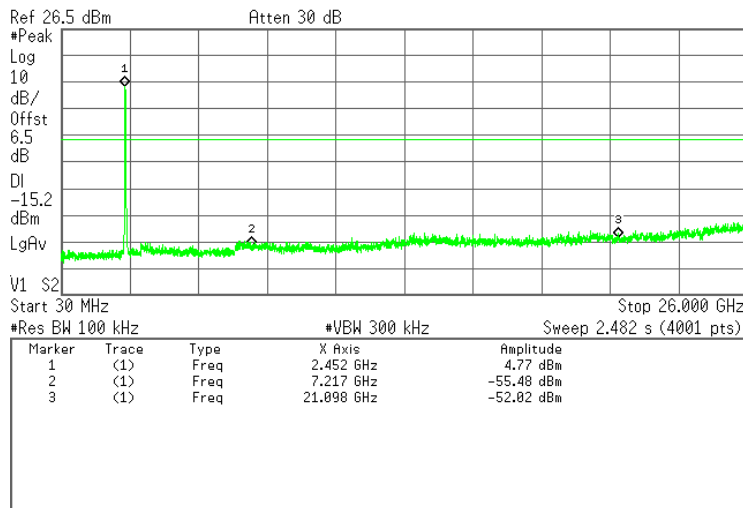
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

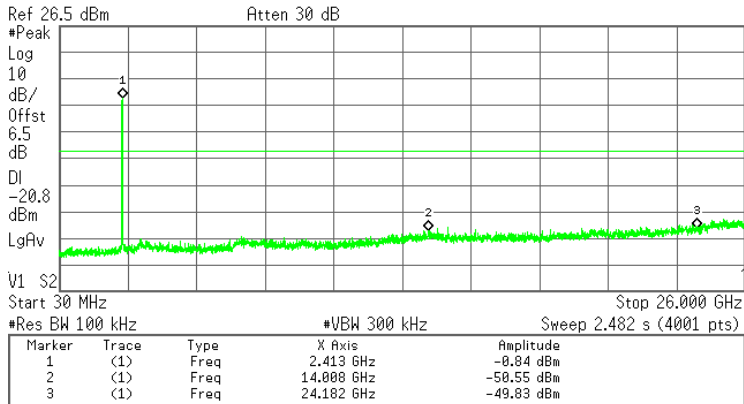
✱ Agilent



High Channel - Plot

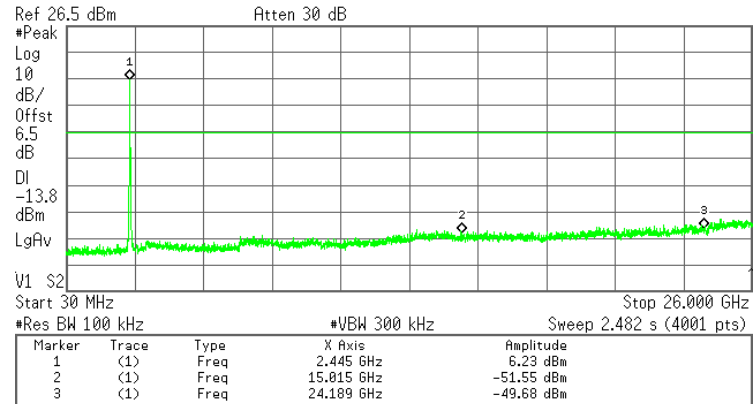
802.11g 36Mbps – Side Antenna

✱ Agilent



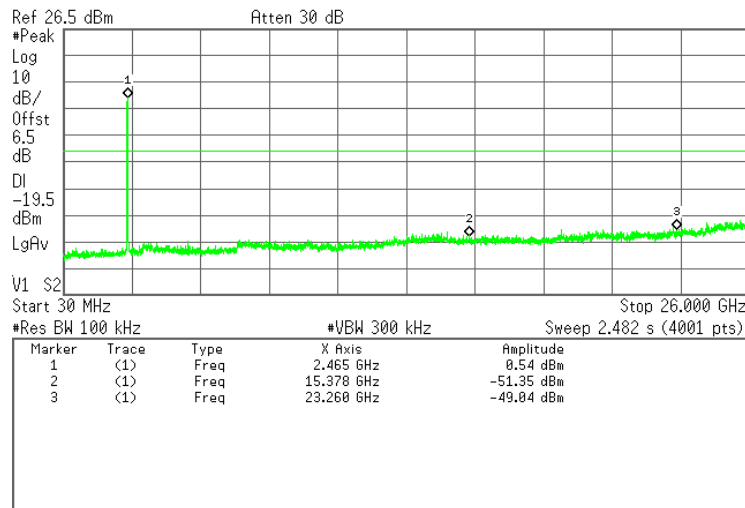
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

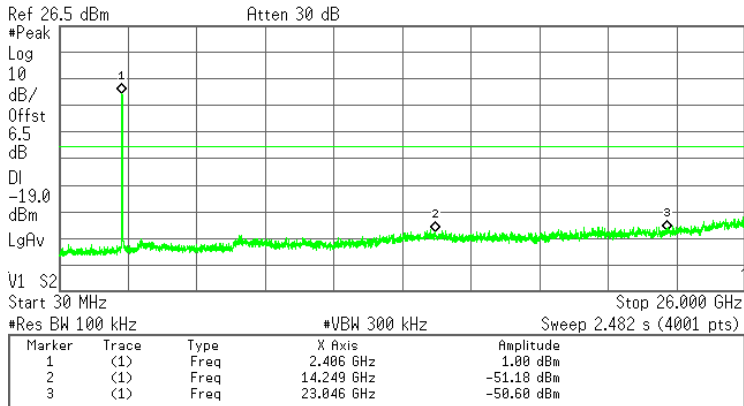
✱ Agilent



High Channel - Plot

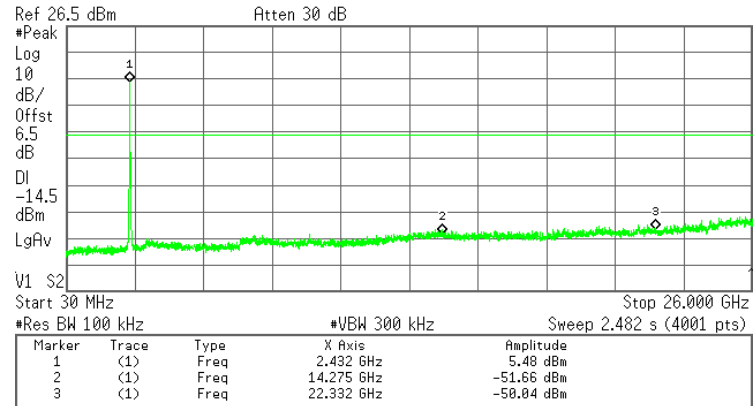
802.11g 36Mbps – Top Antenna

✱ Agilent



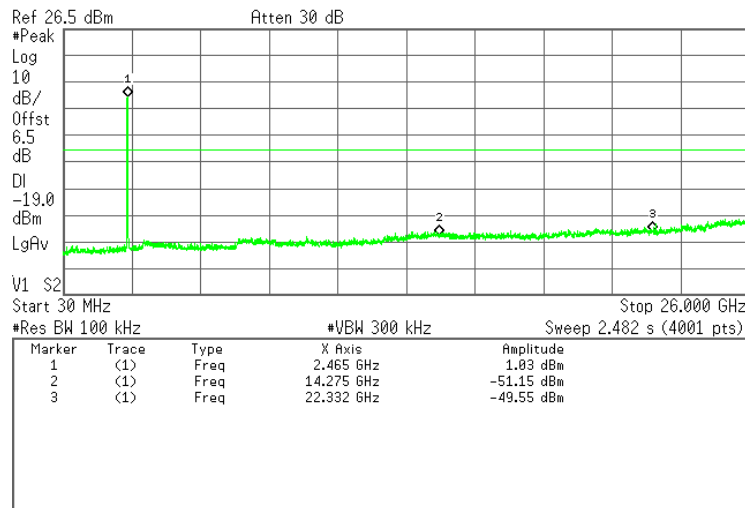
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

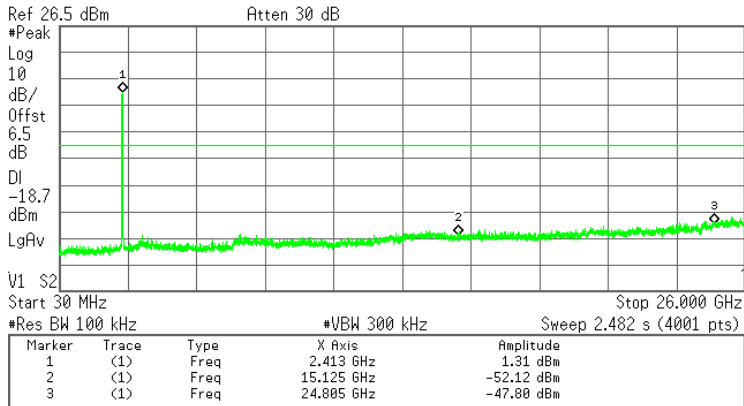
✱ Agilent



High Channel - Plot

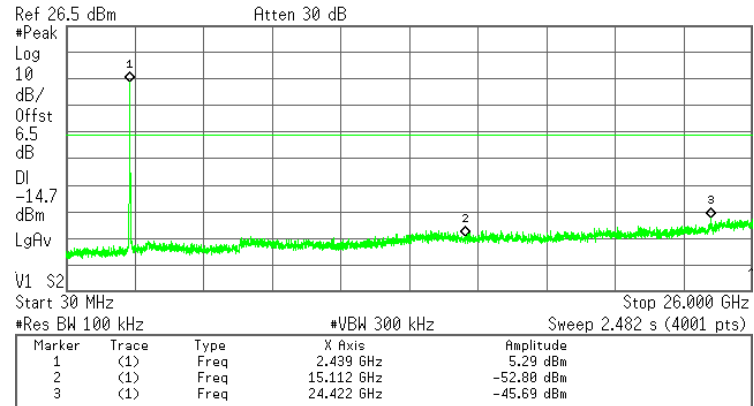
802.11g 54Mbps – Side Antenna

✧ Agilent



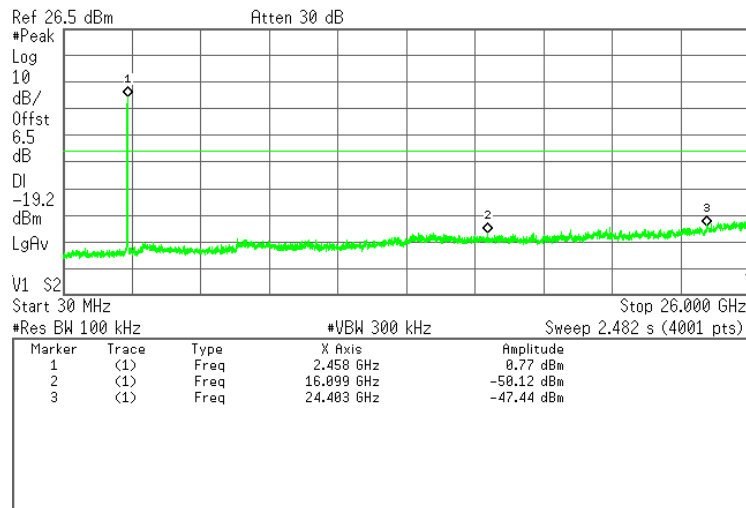
Low Channel - Plot

✧ Agilent



Mid Channel - Plot

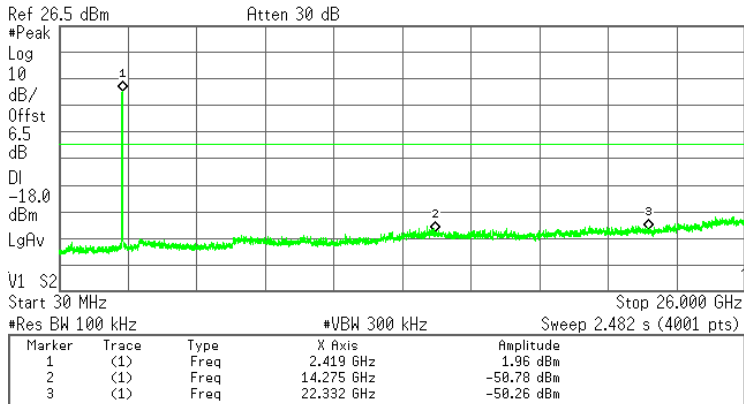
✧ Agilent



High Channel - Plot

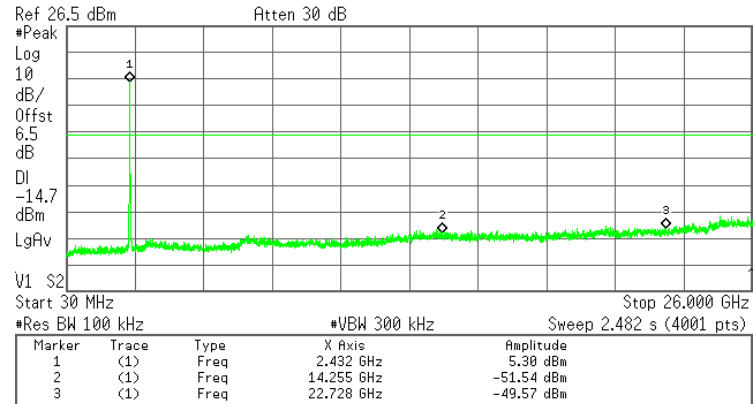
802.11g 54Mbps – Top Antenna

* Agilent



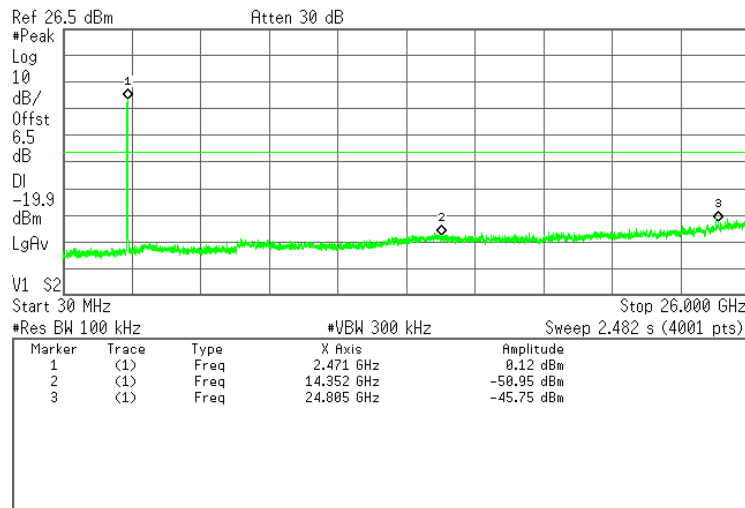
Low Channel - Plot

* Agilent



Mid Channel - Plot

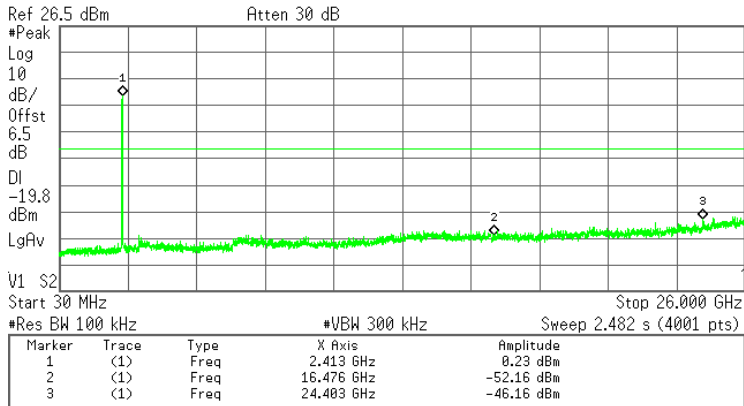
* Agilent



High Channel - Plot

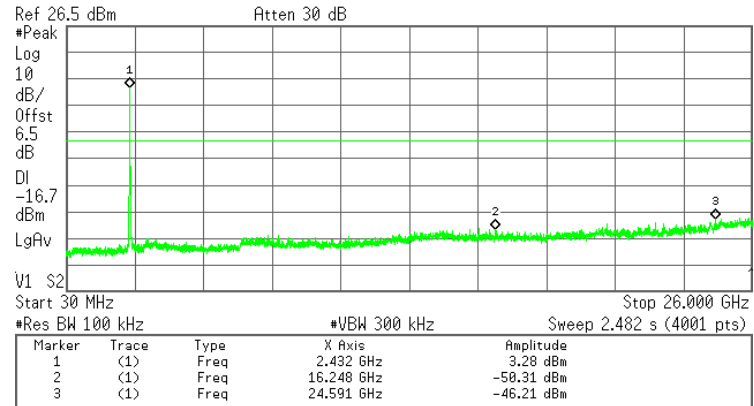
802.11n HT20 mcs0 – Side Antenna

* Agilent



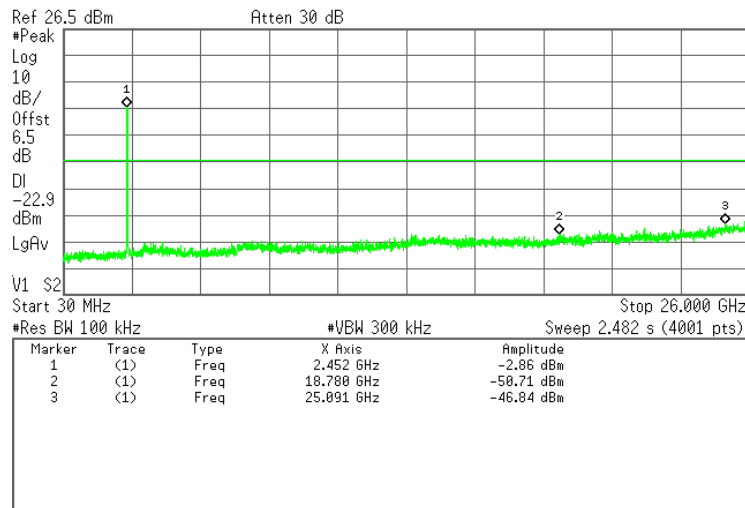
Low Channel - Plot

* Agilent



Mid Channel - Plot

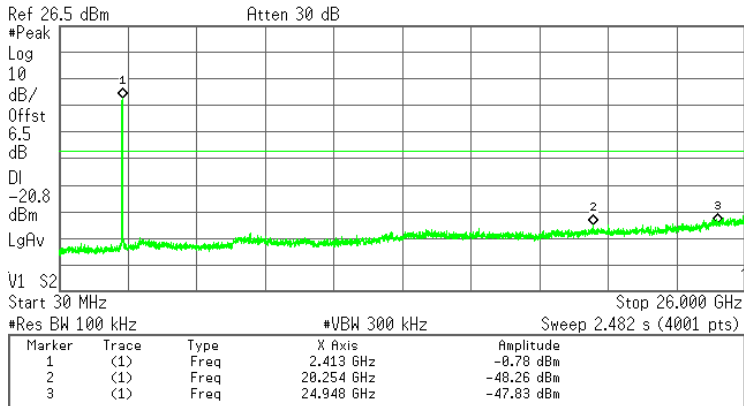
* Agilent



High Channel - Plot

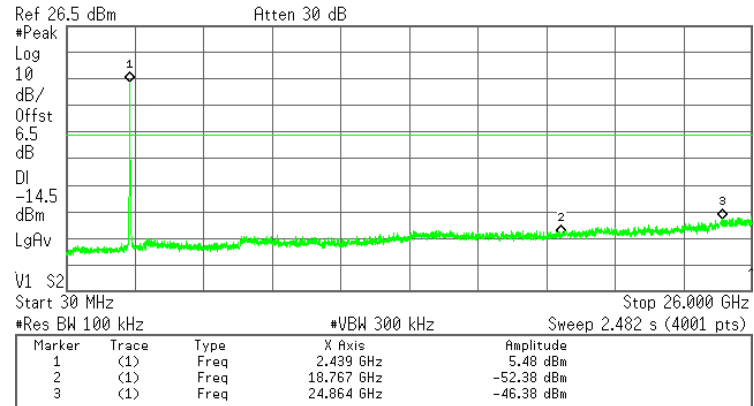
802.11n HT20 mcs0 – Top Antenna

✱ Agilent



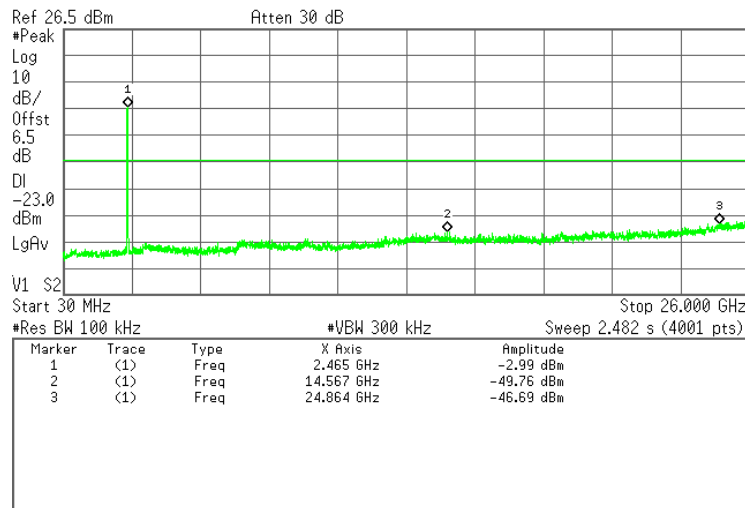
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

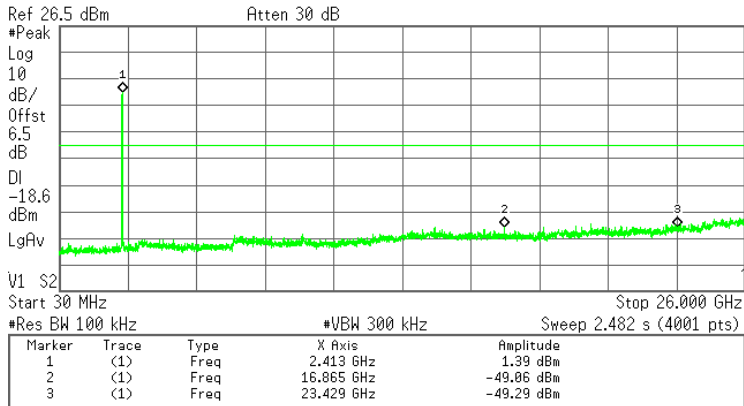
✱ Agilent



High Channel - Plot

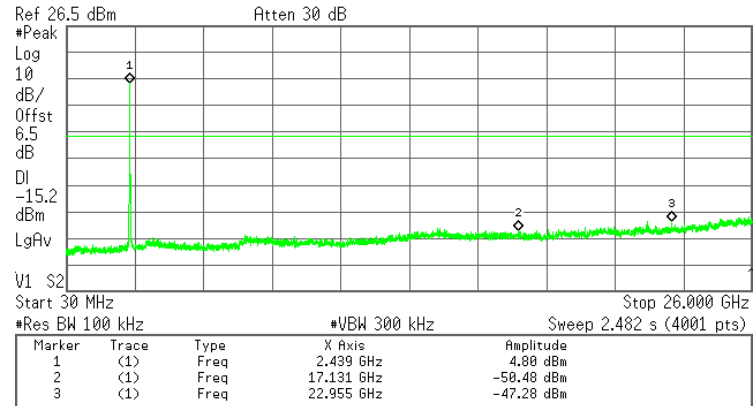
802.11n HT20 mcs7 – Side Antenna

✱ Agilent



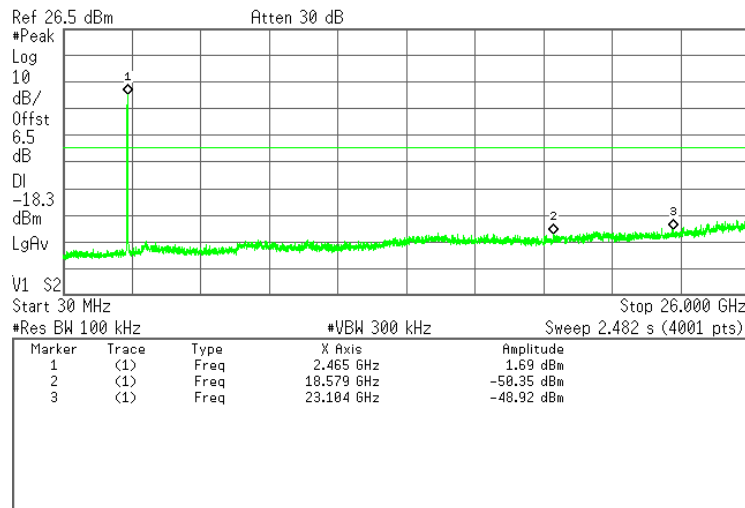
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

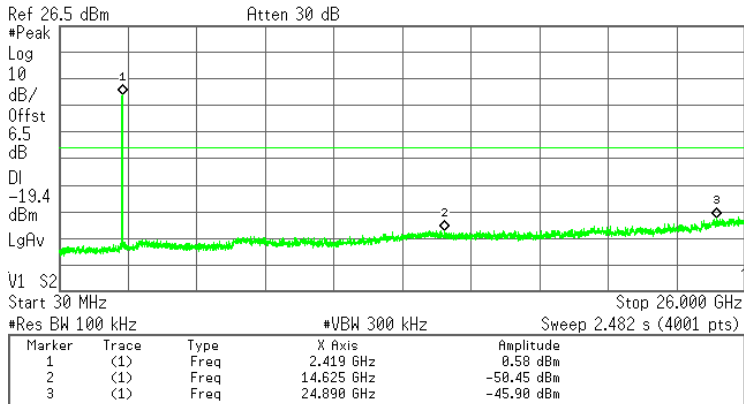
✱ Agilent



High Channel - Plot

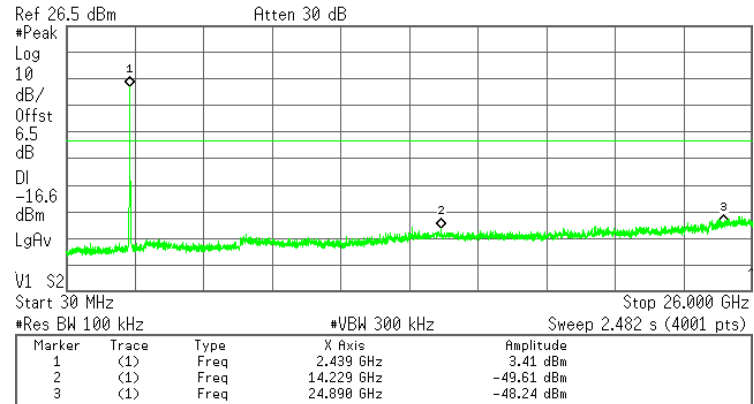
802.11n HT20 mcs7 – Top Antenna

* Agilent



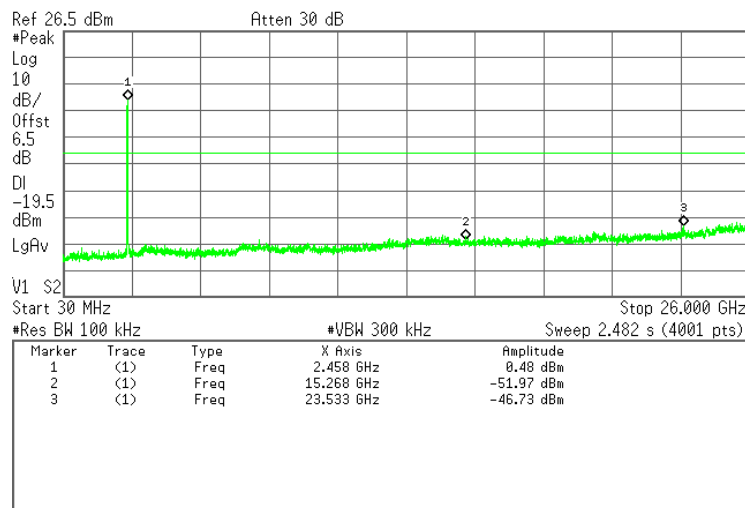
Low Channel - Plot

* Agilent



Mid Channel - Plot

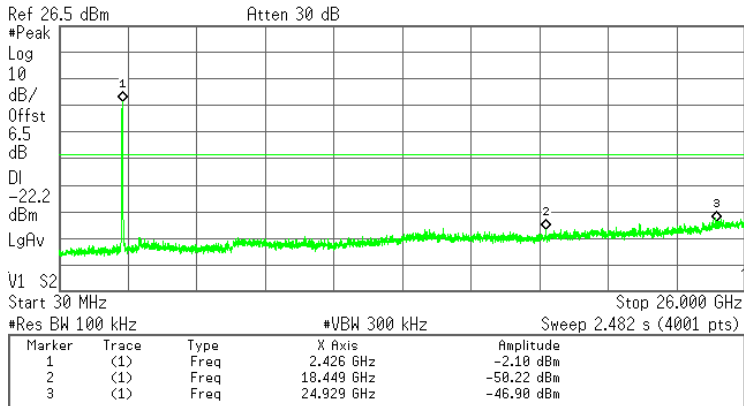
* Agilent



High Channel - Plot

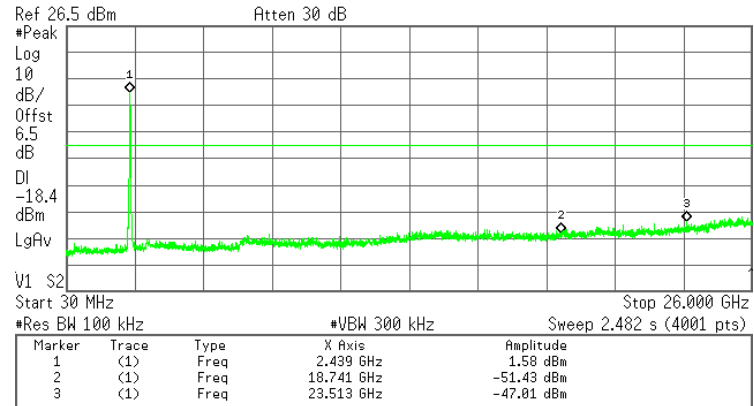
802.11n HT40 mcs0 – Side Antenna

✱ Agilent



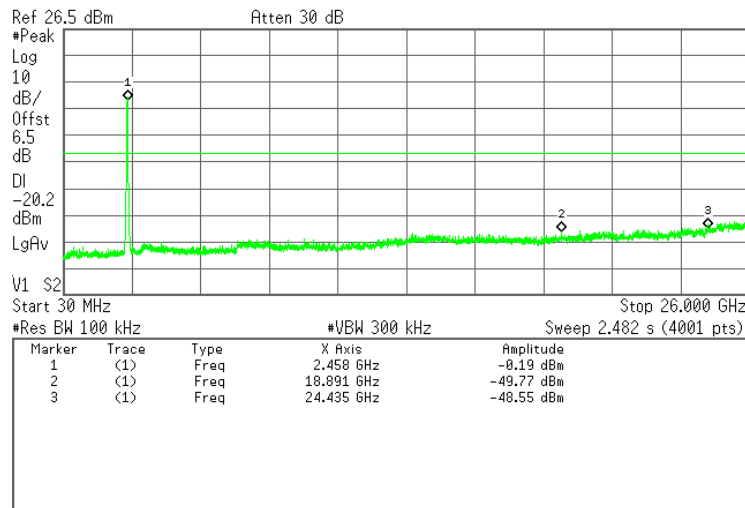
Low Channel - Plot

✱ Agilent



Mid Channel - Plot

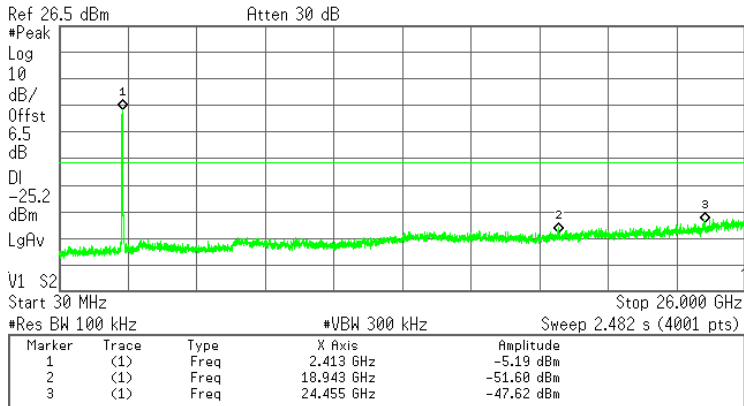
✱ Agilent



High Channel - Plot

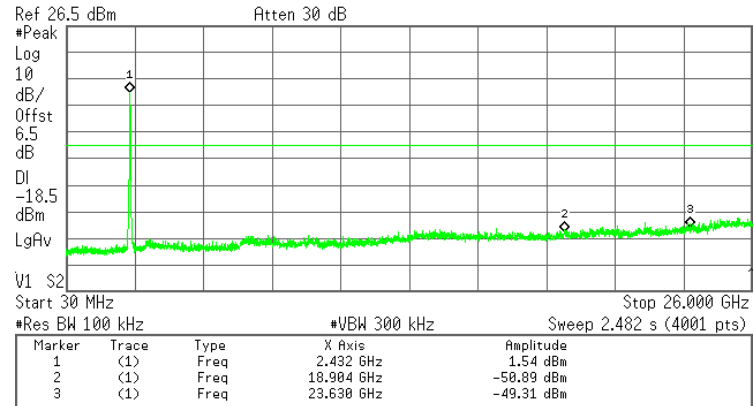
802.11n HT40 mcs0 – Top Antenna

✧ Agilent



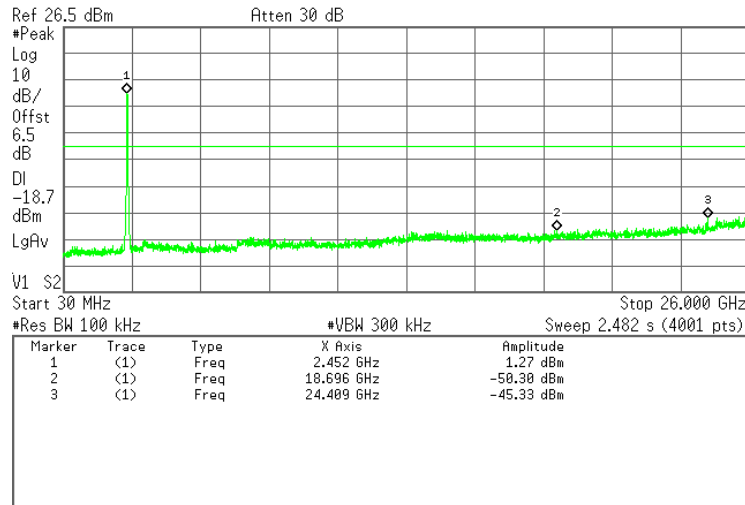
Low Channel - Plot

✧ Agilent



Mid Channel - Plot

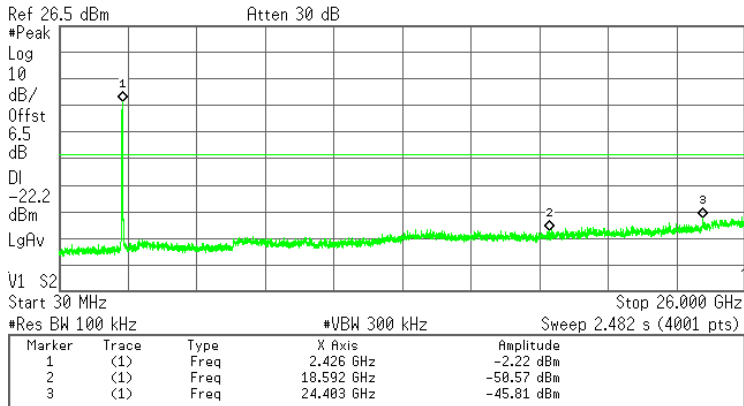
✧ Agilent



High Channel - Plot

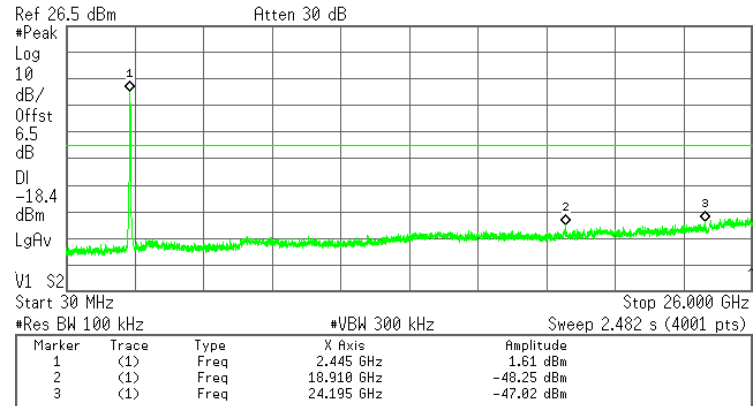
802.11n HT40 mcs7 – Side Antenna

✧ Agilent



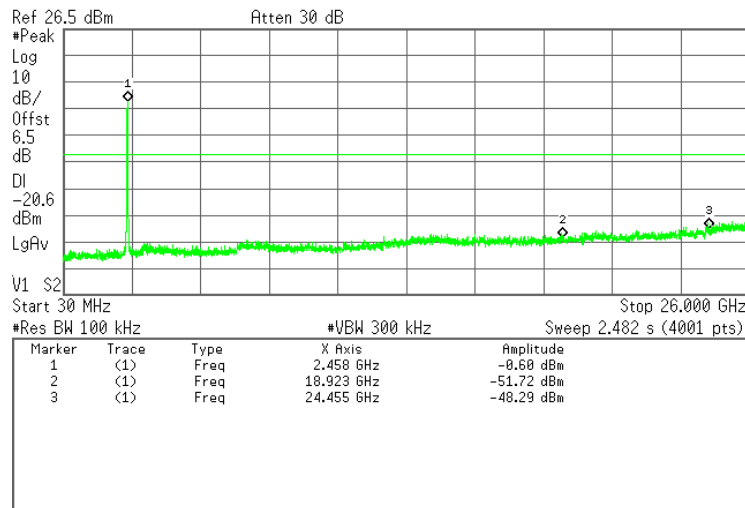
Low Channel - Plot

✧ Agilent



Mid Channel - Plot

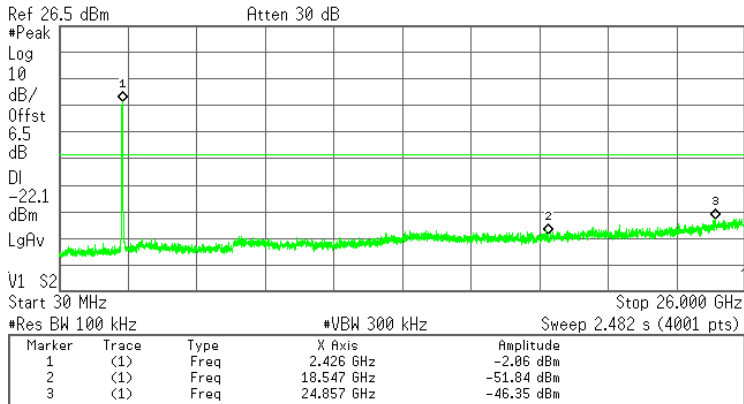
✧ Agilent



High Channel - Plot

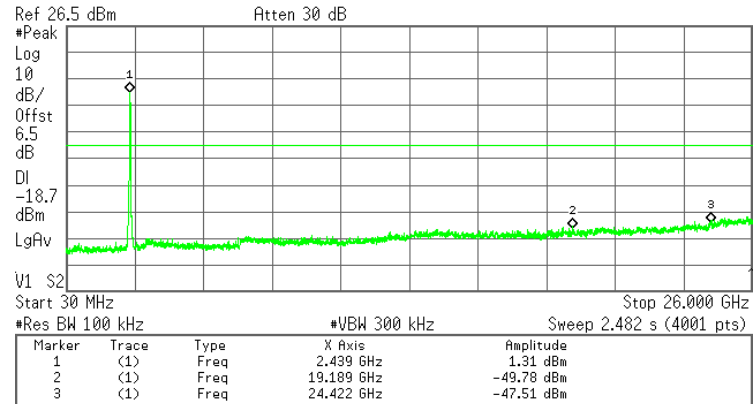
802.11n HT40 mcs7 – Top Antenna

* Agilent



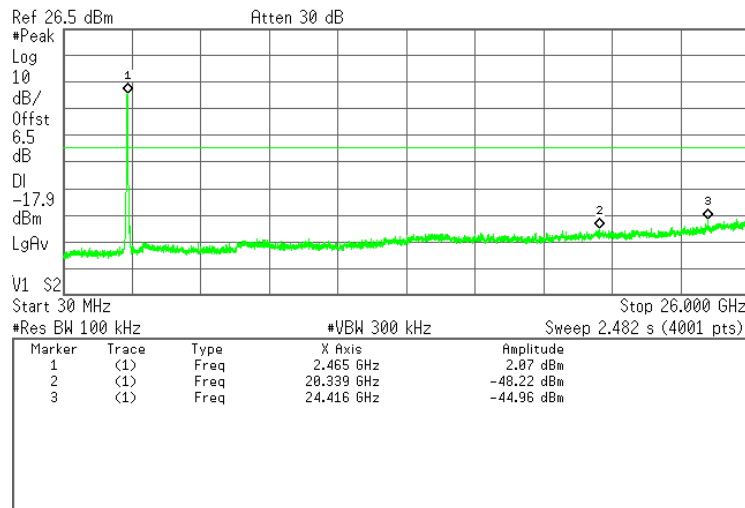
Low Channel - Plot

* Agilent



Mid Channel - Plot

* Agilent



High Channel - Plot

Conducted Band Edge

Test Description

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on RF conducted measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

Test Criteria

Reference	Limit
CFR 47 Subpart C 15.247 (d) RSS-247, Section 5.5	20dBc Below the Fundamental

Note: 20dBc is in reference to the previously measured PSD measurements as referenced in ANSI C63.10 Section 11.11.2

Test Information

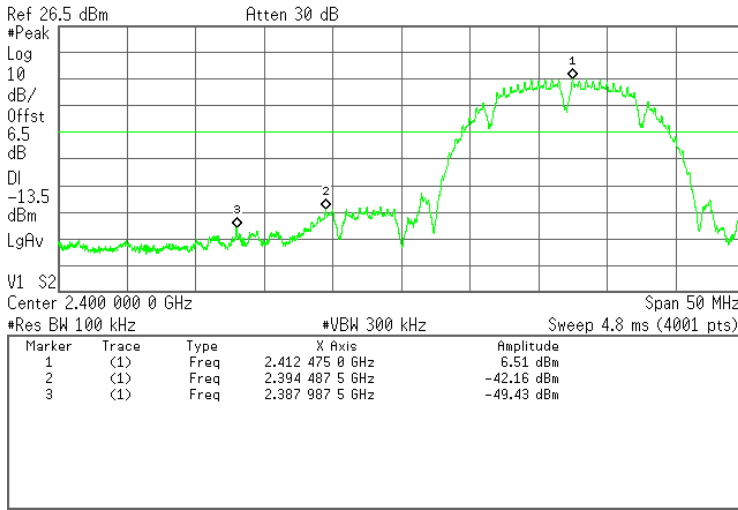
<u>Tester</u>	<u>Test Location</u>	<u>Date</u>	<u>Temperature</u> (°C)	<u>Humidity</u> (%RH)	<u>Pressure</u> (mbar)	<u>Results (P/F)</u>
Jose Badia	RF Lab	6/04/2025	22.22	37	1043	P

Test Results

802.11b – 1Mbps

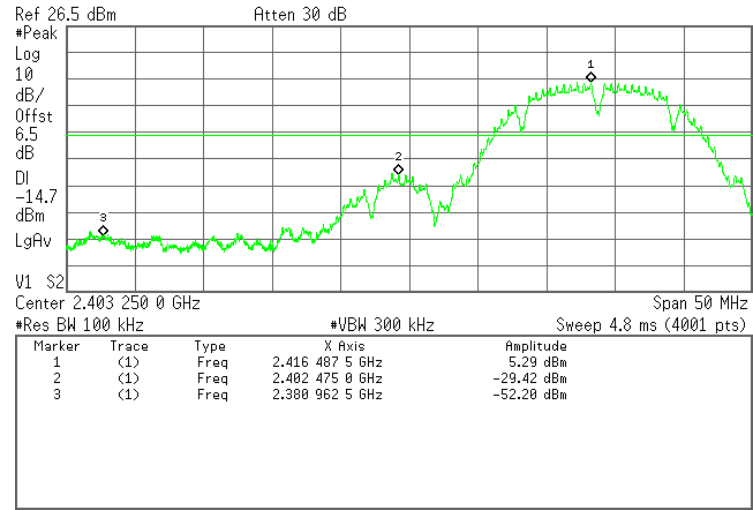
802.11b 1Mbps – Side Antenna

* Agilent



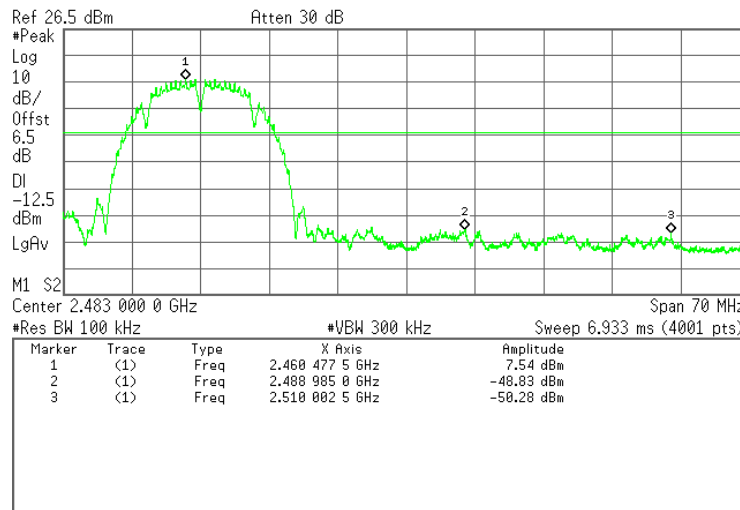
CH 1 - Plot

* Agilent



CH 2 - Plot

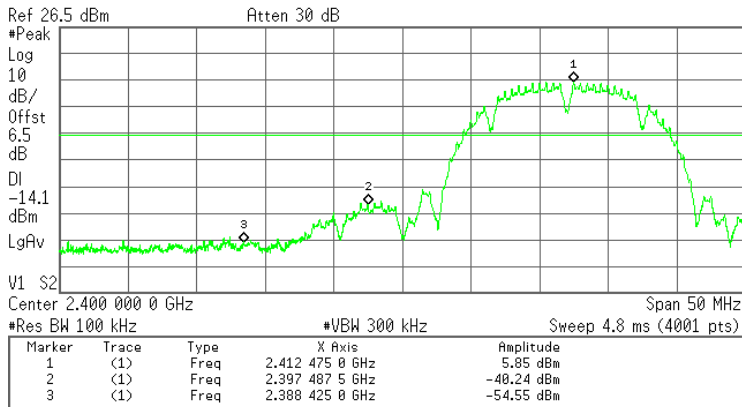
* Agilent



CH 11 - Plot

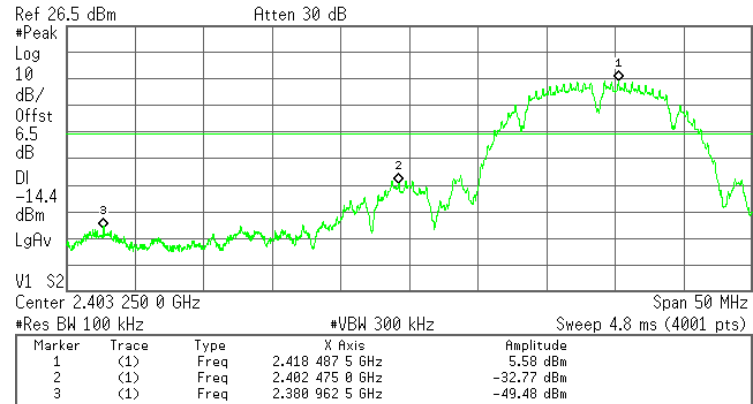
802.11b 1Mbps – Top Antenna

Agilent



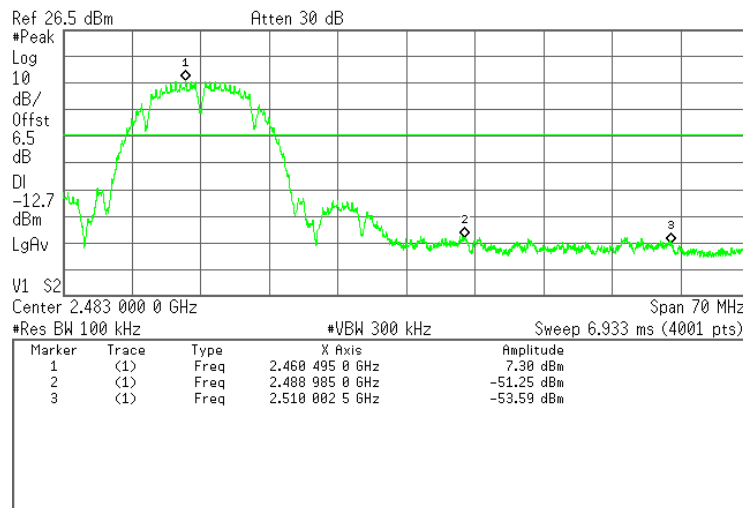
CH 1 - Plot

Agilent



CH 2 - Plot

Agilent

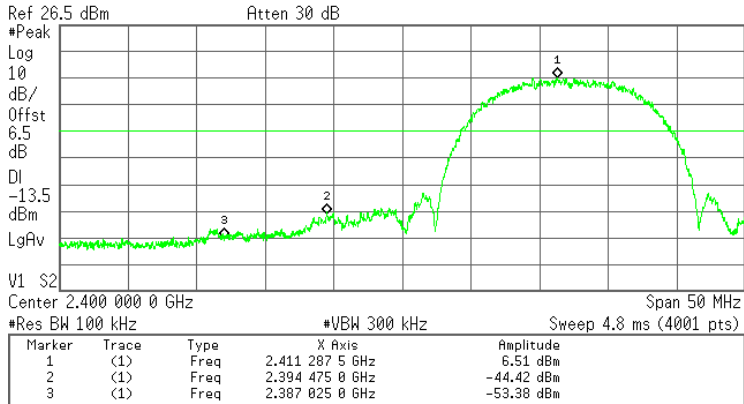


CH 11 - Plot

802.11b – 11Mbps

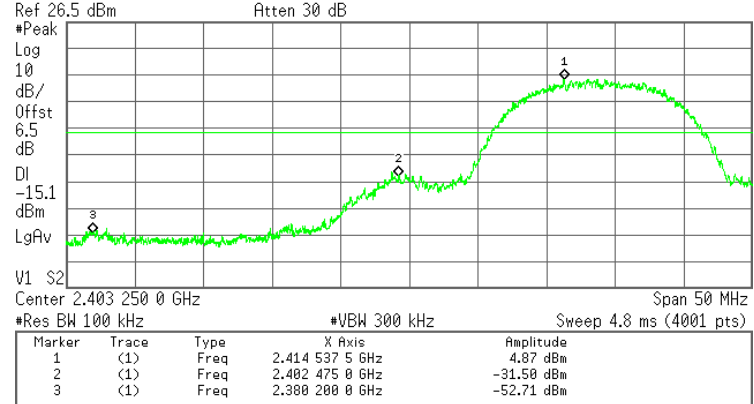
802.11b 11Mbps – Side Antenna

* Agilent



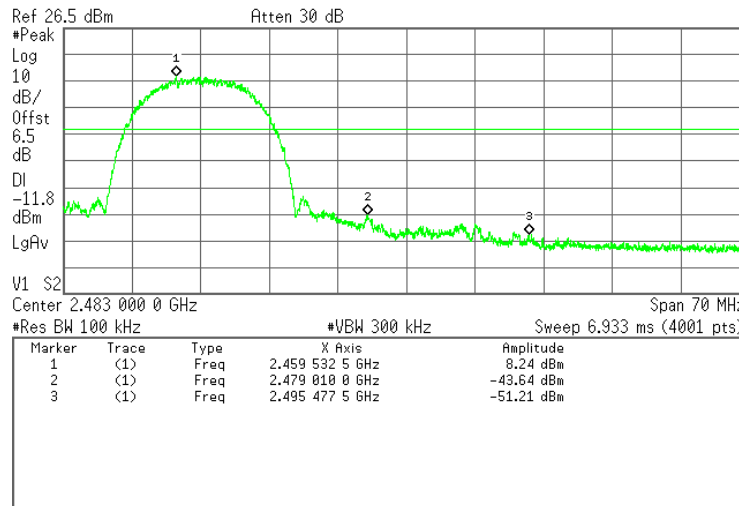
CH1 - Plot

* Agilent



CH2 - Plot

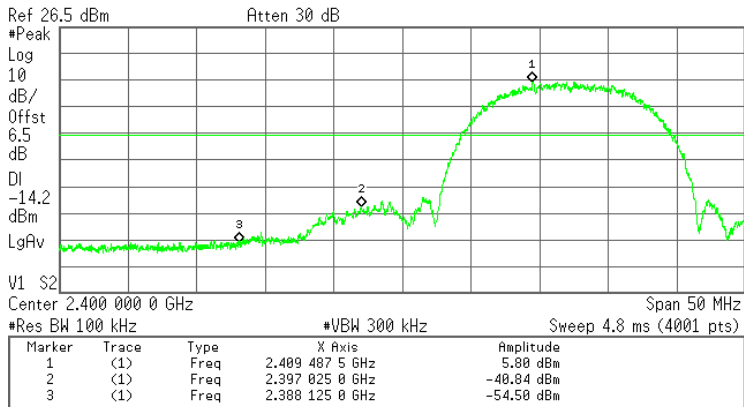
* Agilent



High Channel - Plot

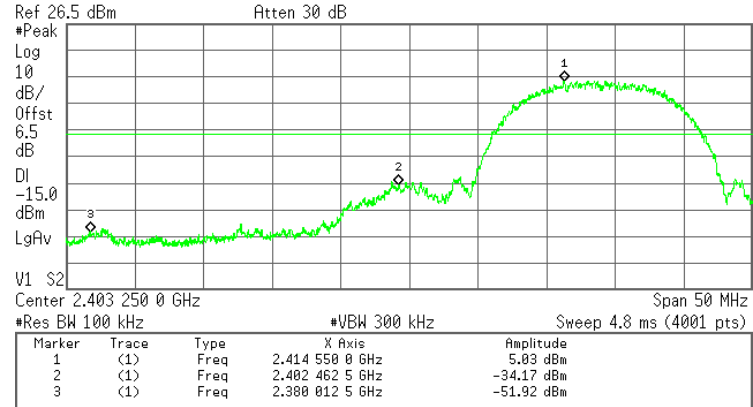
802.11b 11Mbps – Top Antenna

* Agilent



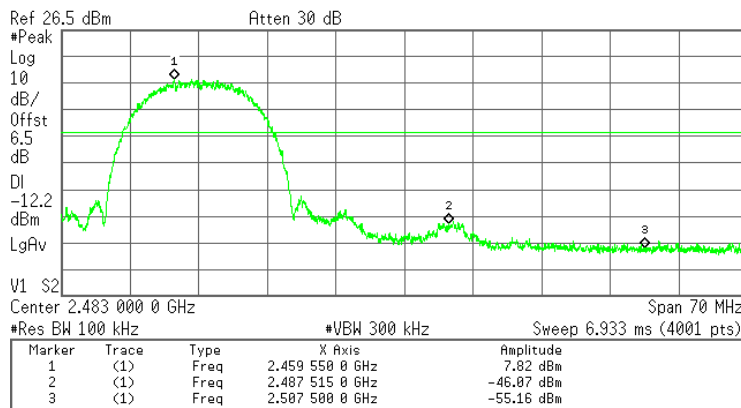
CH 1 - Plot

* Agilent



CH 2 - Plot

* Agilent

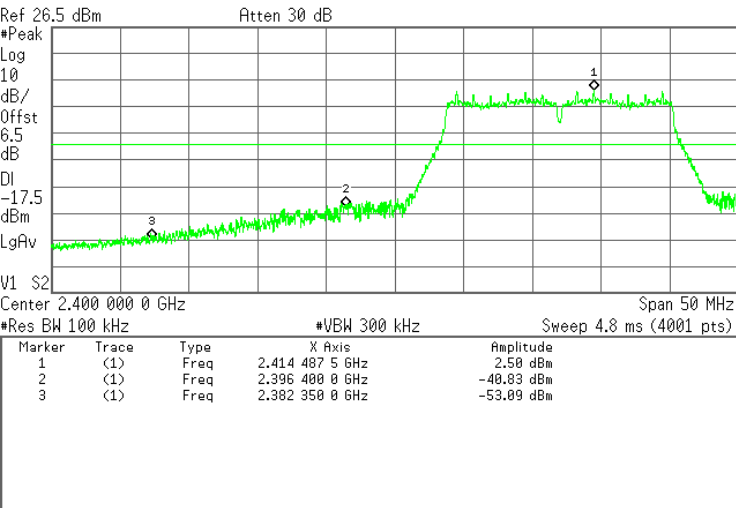


High Channel - Plot

802.11g – 6Mbps

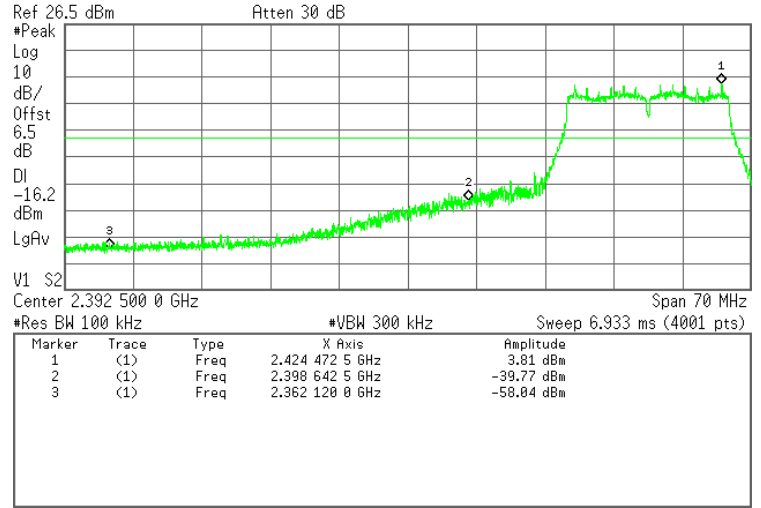
802.11g 6Mbps – Side Antenna

Agilent



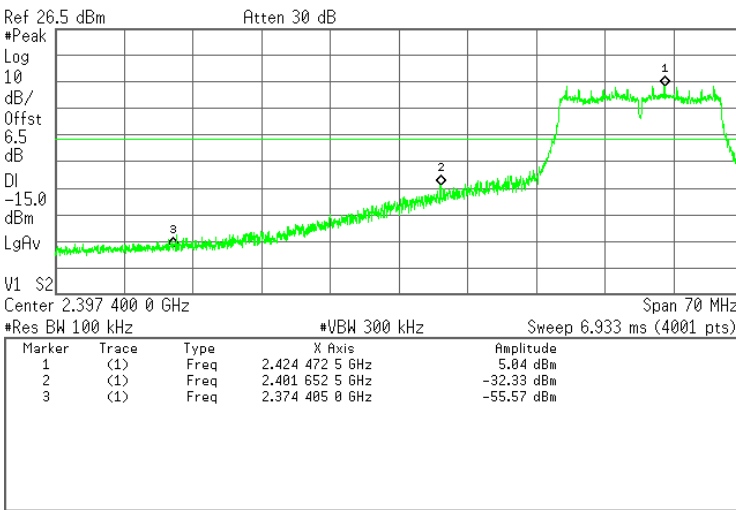
CH1 - Plot

Agilent



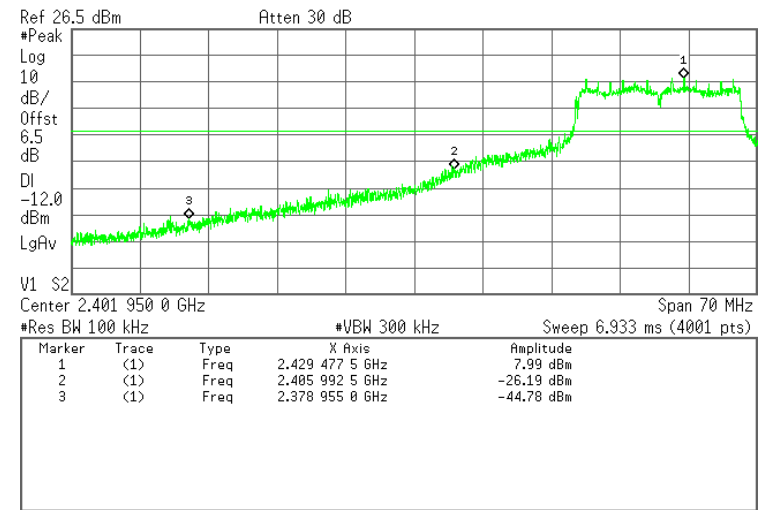
CH2 - Plot

Agilent



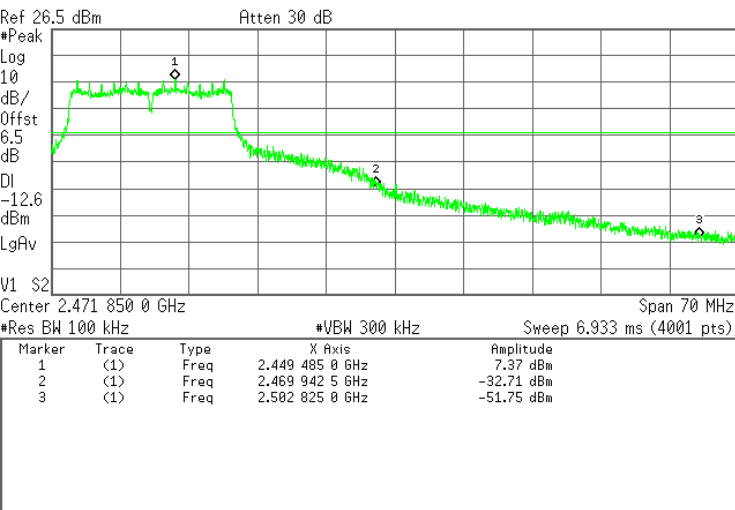
CH3 - Plot

Agilent



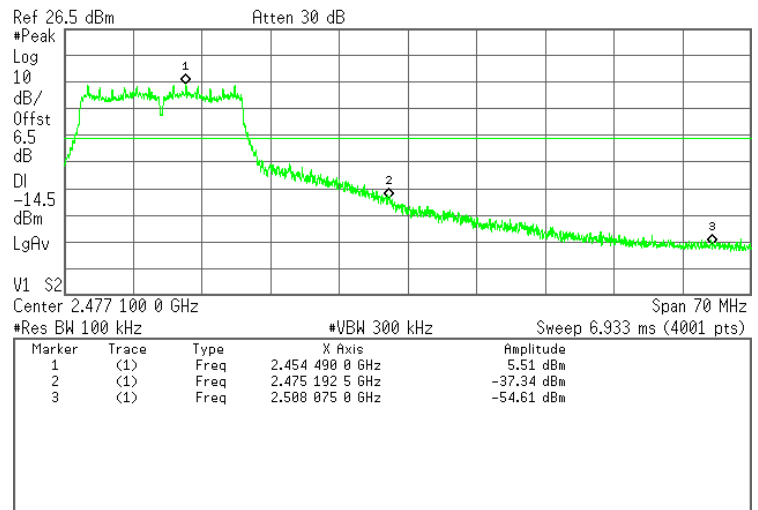
CH4 - Plot

Agilent



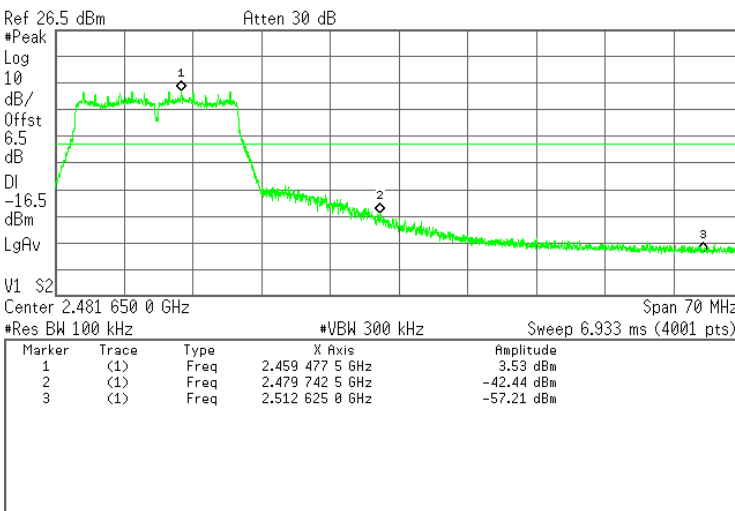
CH8 - Plot

Agilent



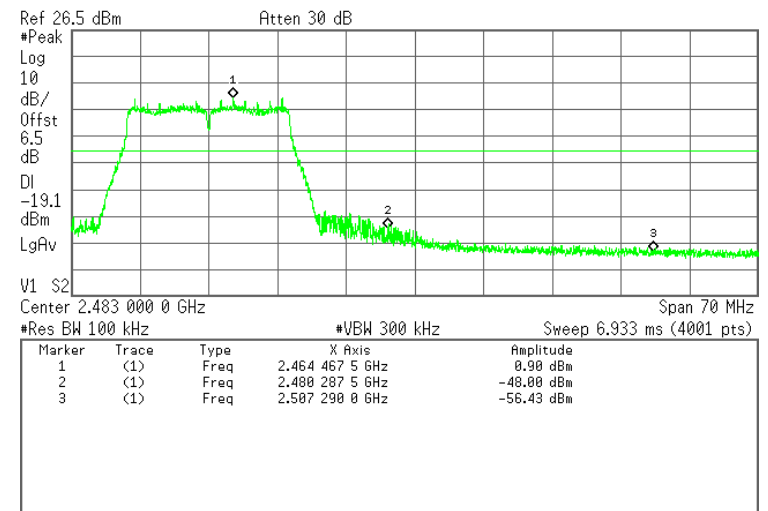
CH9 - Plot

Agilent



CH10 - Plot

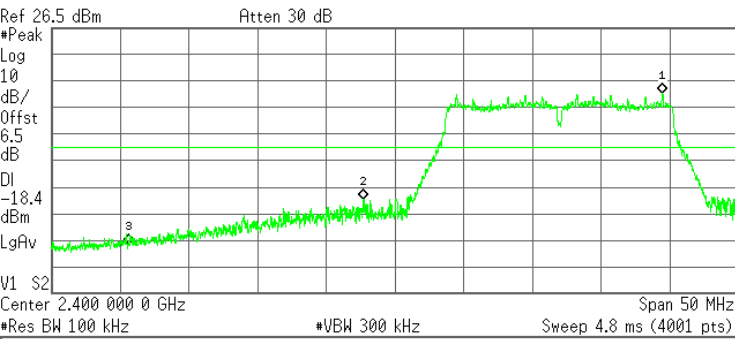
Agilent



CH11 - Plot

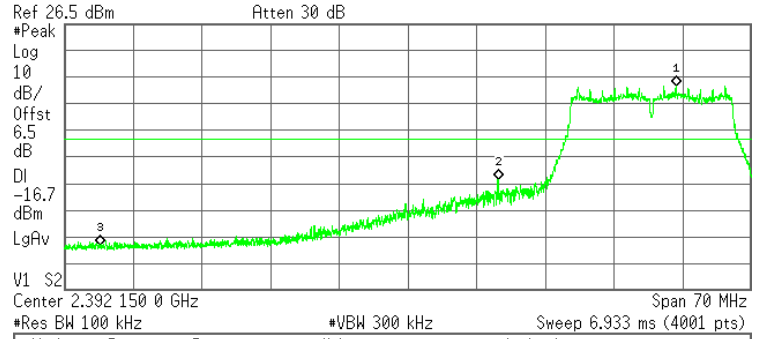
802.11g 6Mbps – Top Antenna

Agilent



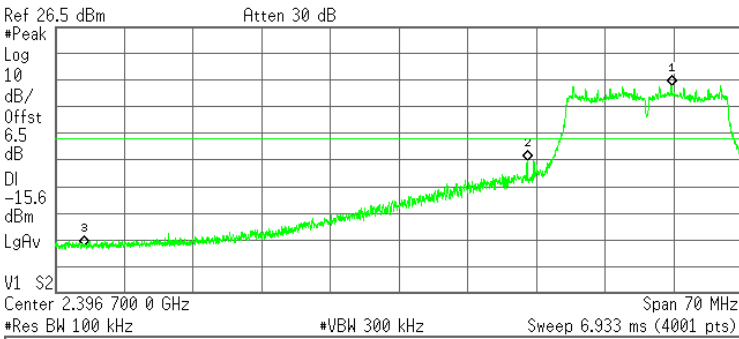
CH1 - Plot

Agilent



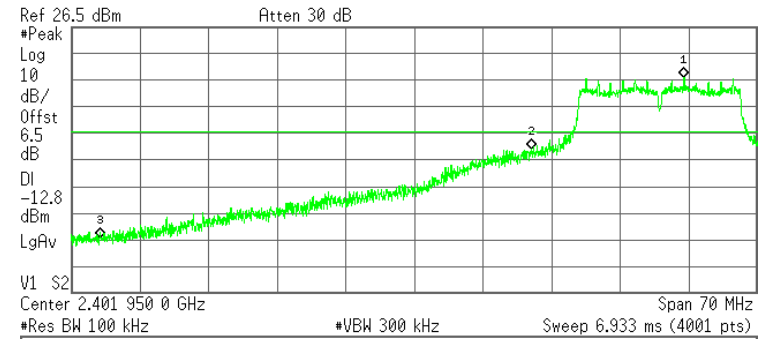
CH2 - Plot

Agilent



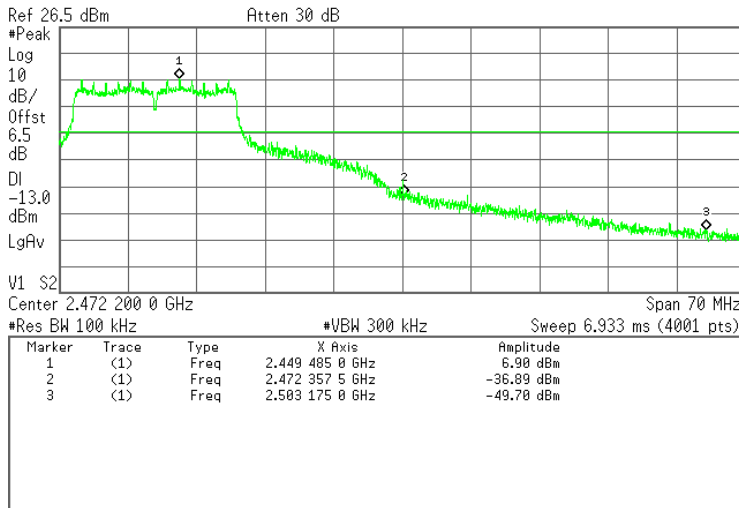
CH3 - Plot

Agilent



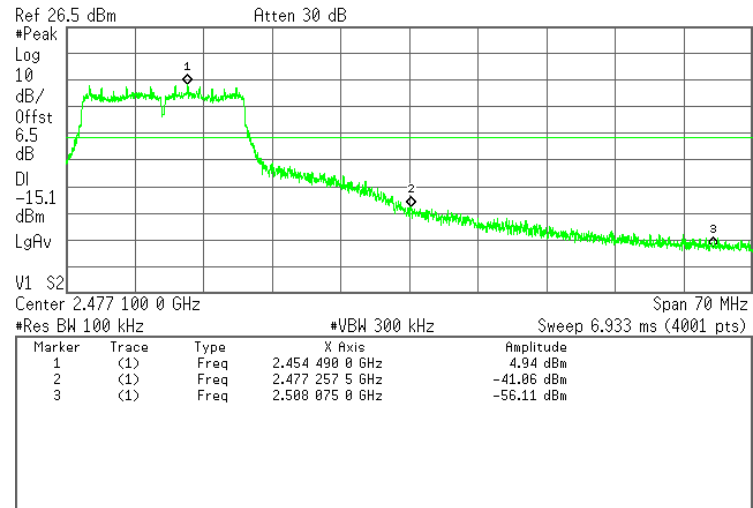
CH4 - Plot

* Agilent



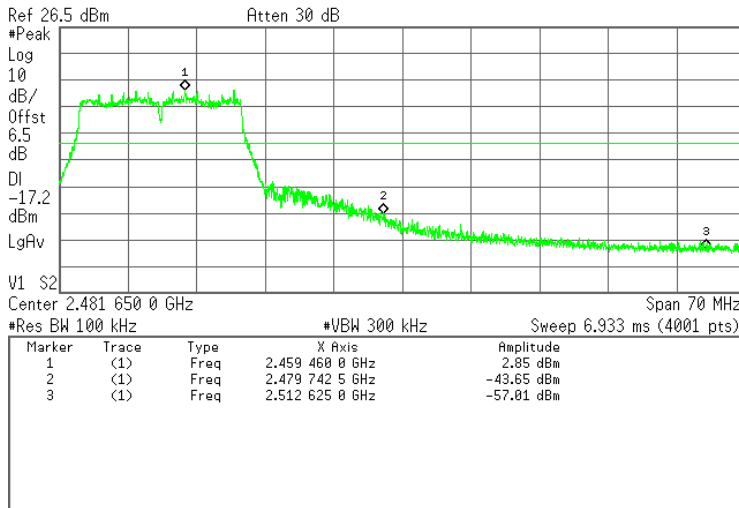
CH8 - Plot

* Agilent



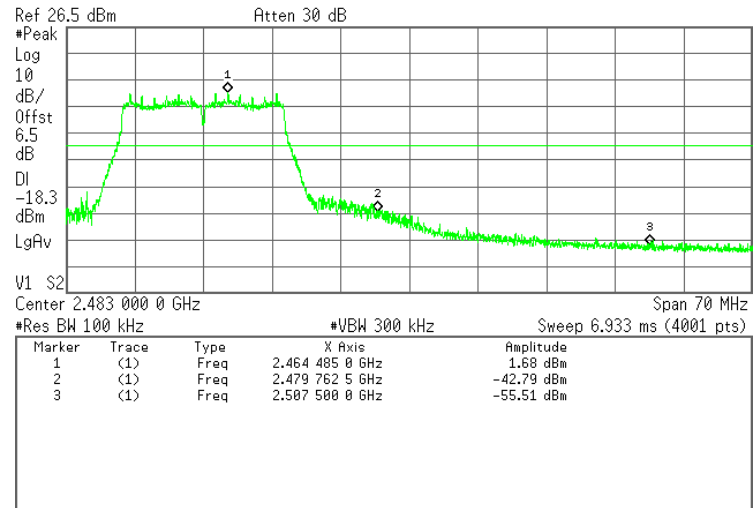
CH9 - Plot

* Agilent



CH10 - Plot

* Agilent

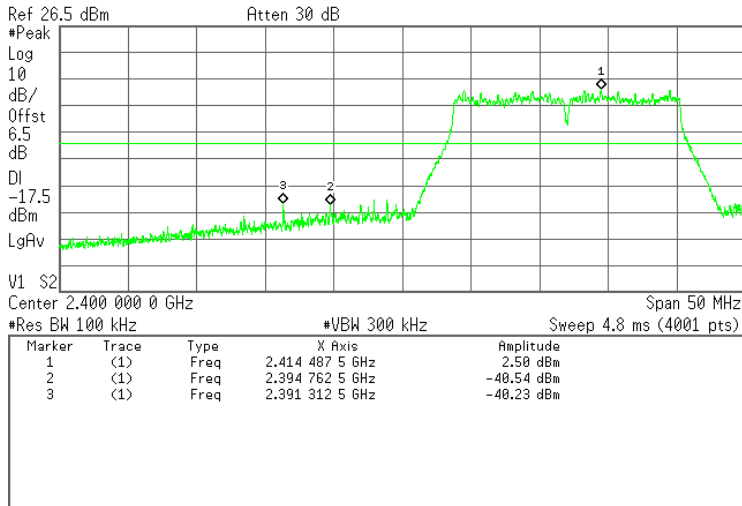


CH11 - Plot

802.11g – 36Mbps

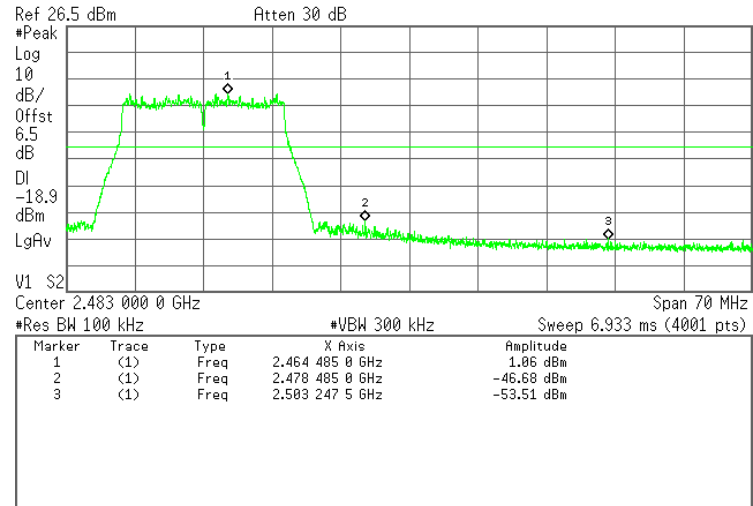
802.11g 36Mbps – Side Antenna

Agilent



Low Channel - Plot

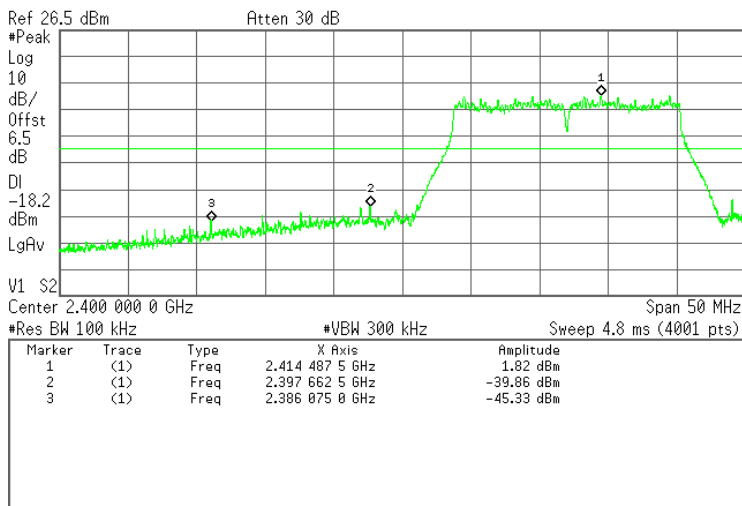
Agilent



High Channel - Plot

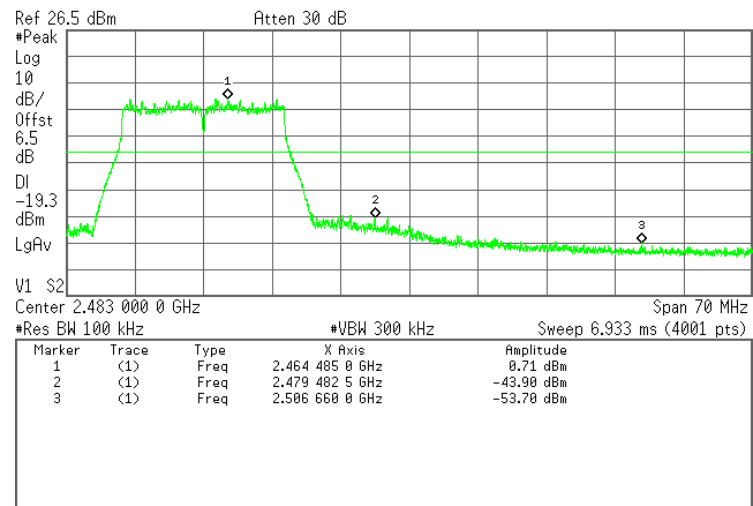
802.11g 36Mbps – Top Antenna

Agilent



Low Channel - Plot

Agilent

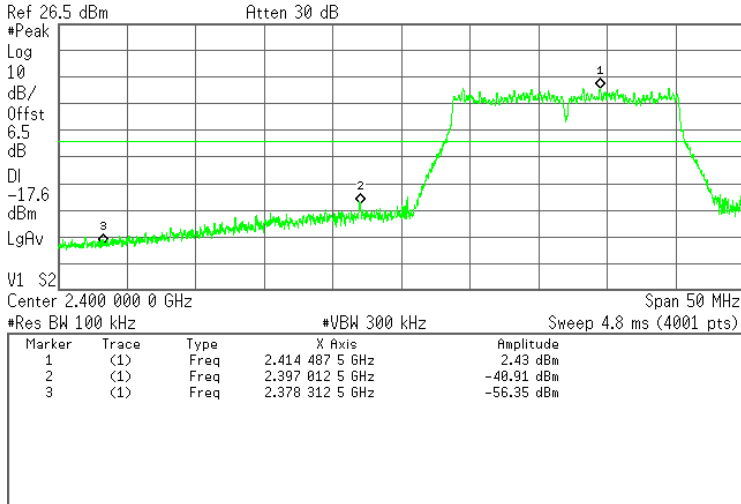


High Channel - Plot

802.11g – 54Mbps

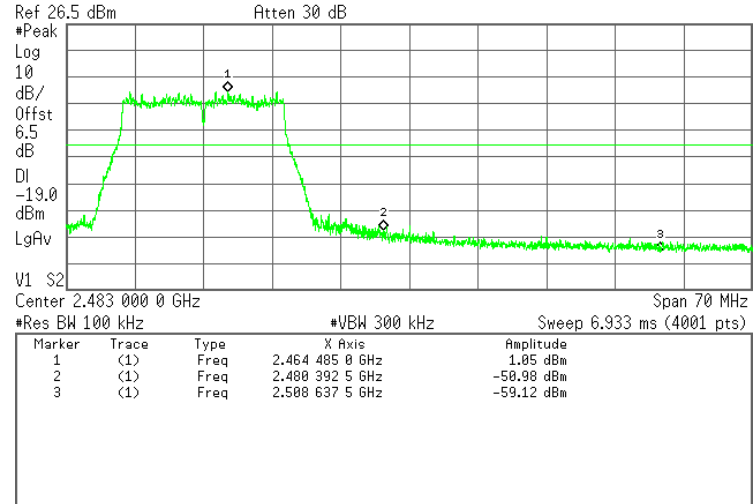
802.11g 54Mbps – Side Antenna

* Agilent



Low Channel – Plot

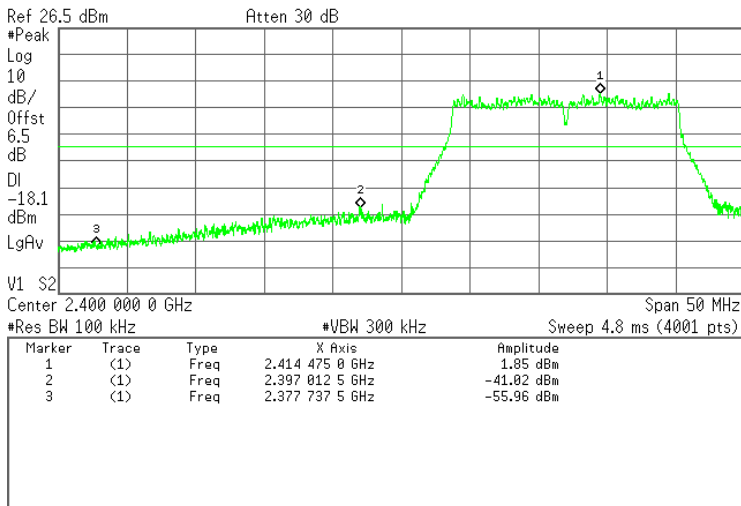
* Agilent



High Channel - Plot

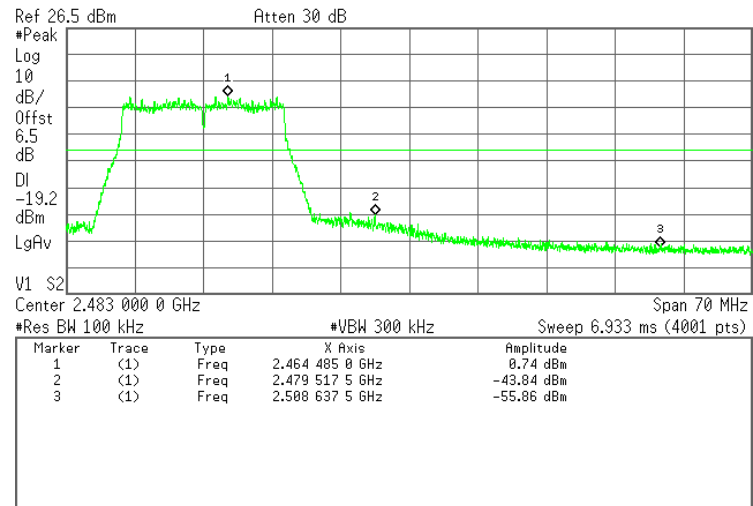
802.11g 54Mbps – Top Antenna

* Agilent



Low Channel – Plot

* Agilent

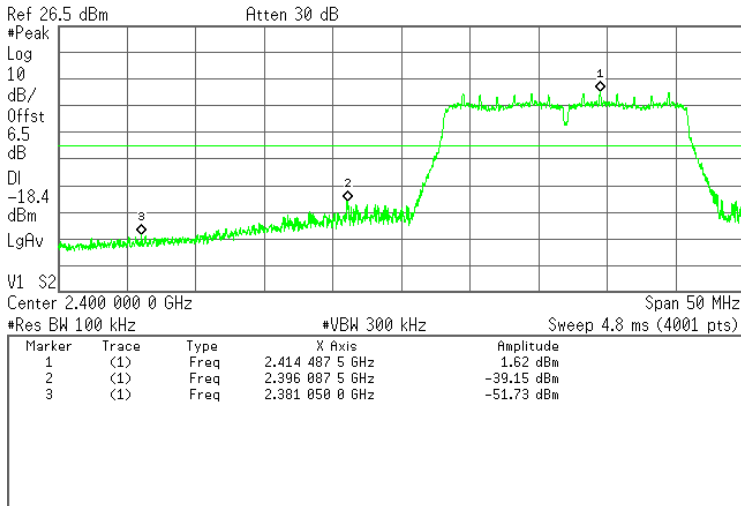


High Channel - Plot

802.11n HT20 – msc0

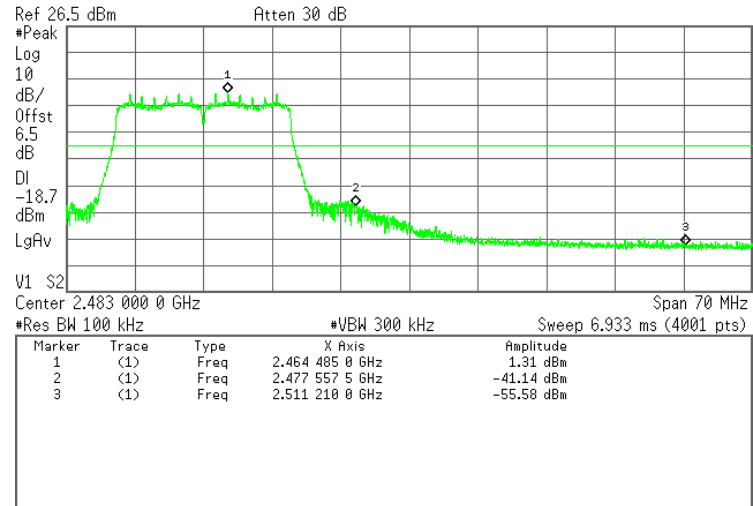
802.11n HT20 mcs0 – Side Antenna

* Agilent



Low Channel – Plot

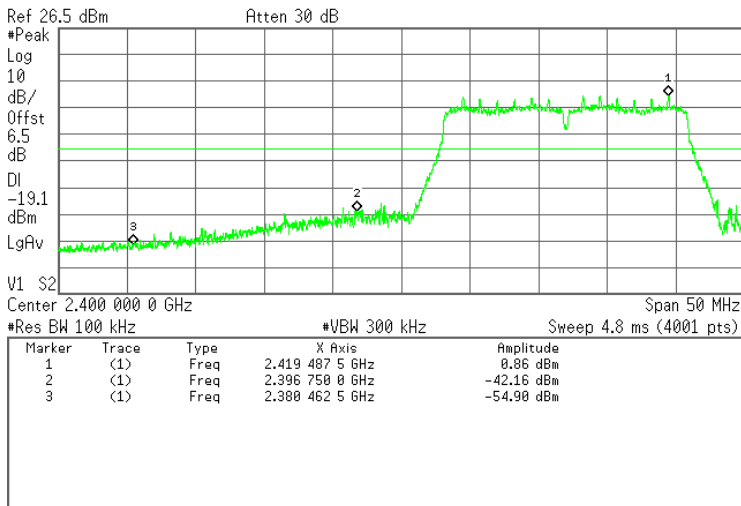
* Agilent



High Channel - Plot

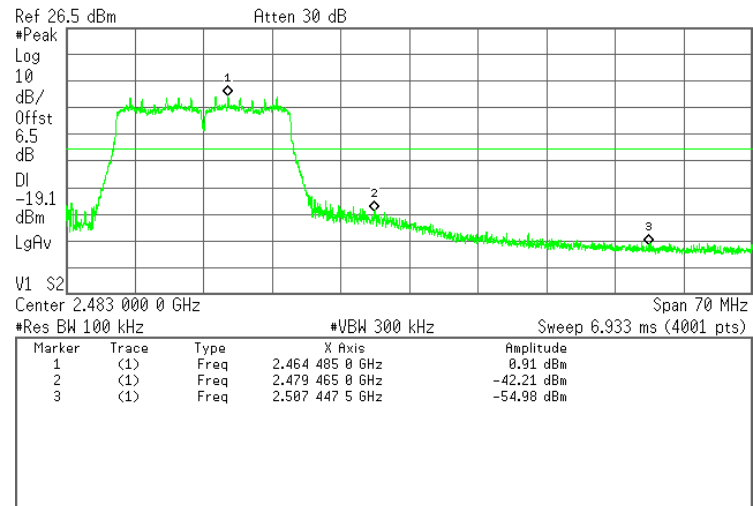
802.11n HT20 mcs0 – Top Antenna

* Agilent



Low Channel – Plot

* Agilent

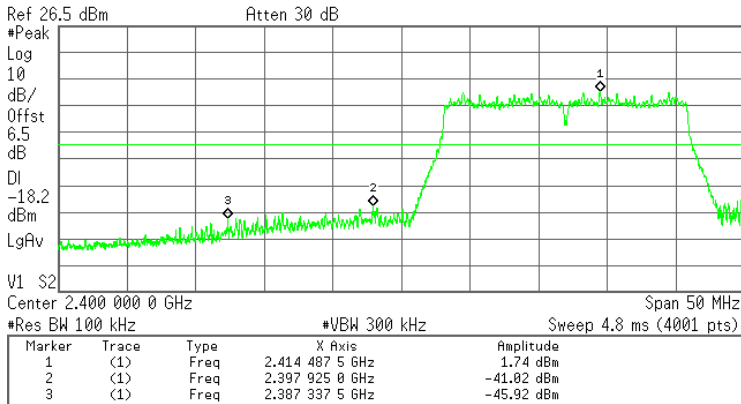


High Channel - Plot

802.11n HT20 – msc7

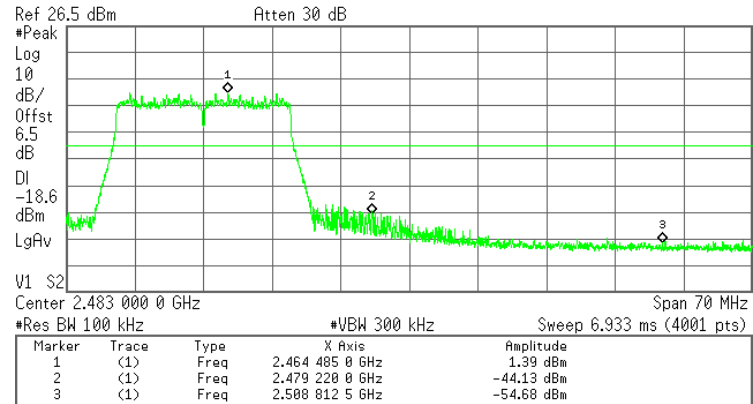
802.11n HT20 msc7 – Side Antenna

* Agilent



Low Channel - Plot

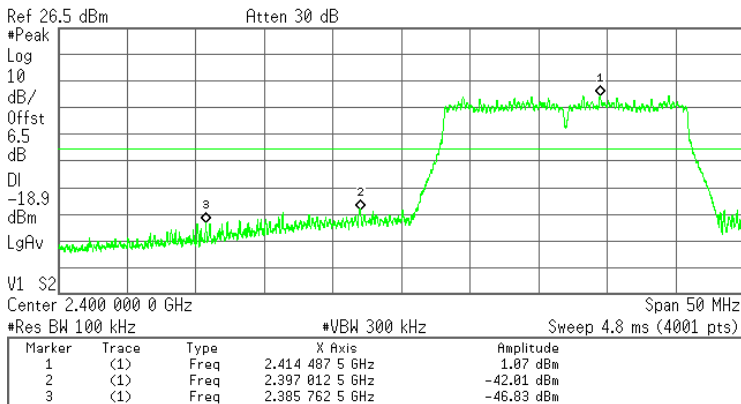
* Agilent



High Channel - Plot

802.11n HT20 msc7 – Top Antenna

* Agilent



Low Channel - Plot

* Agilent

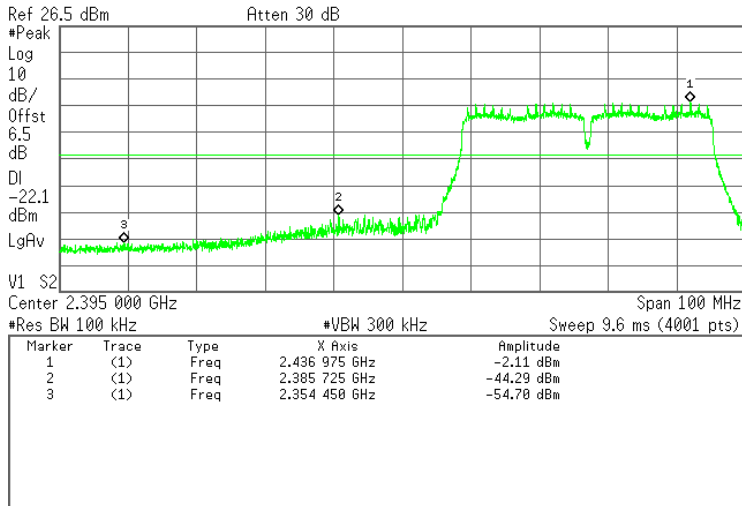


High Channel - Plot

802.11n HT40 – msc0

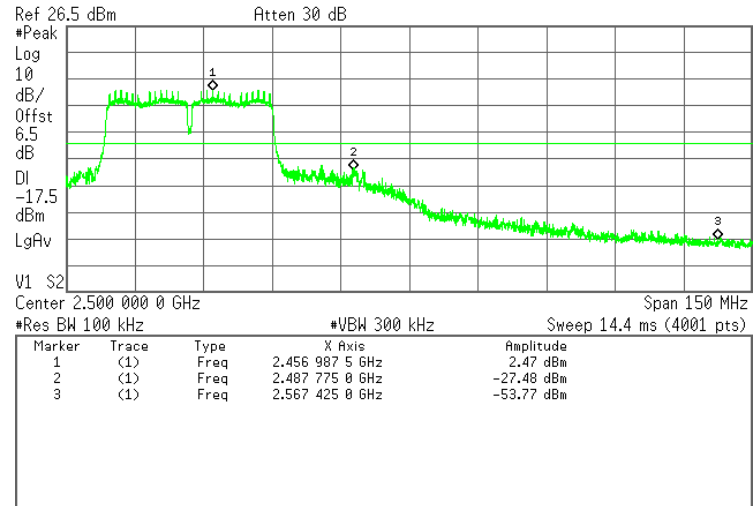
802.11n HT40 mcs0 – Side Antenna

Agilent



Low Channel - Plot

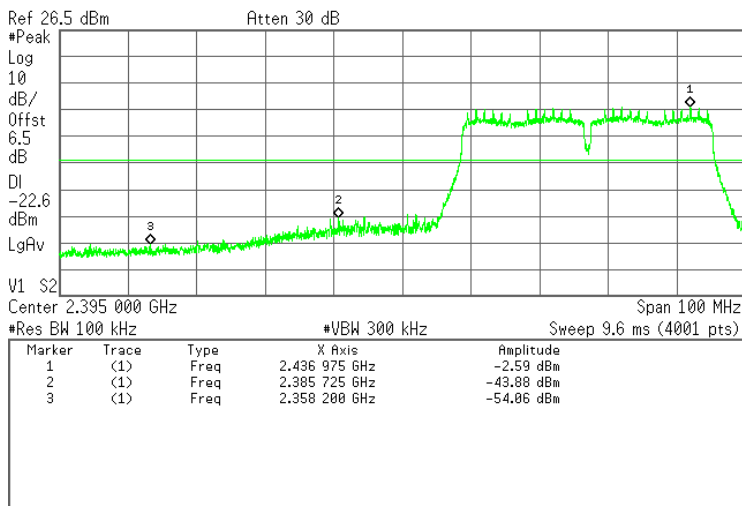
Agilent



High Channel - Plot

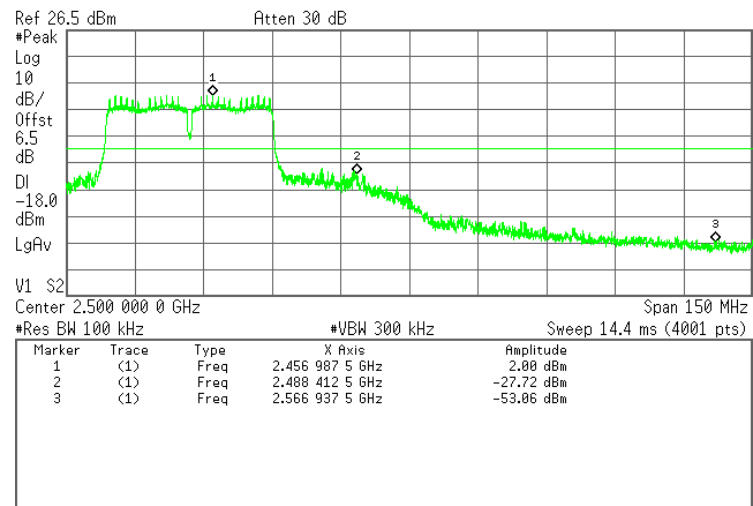
802.11n HT40 mcs0 – Top Antenna

Agilent



Low Channel - Plot

Agilent

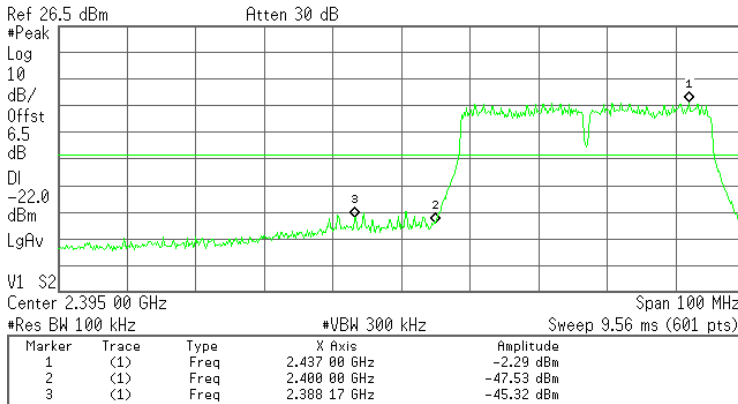


High Channel - Plot

802.11n HT40 – mcs7

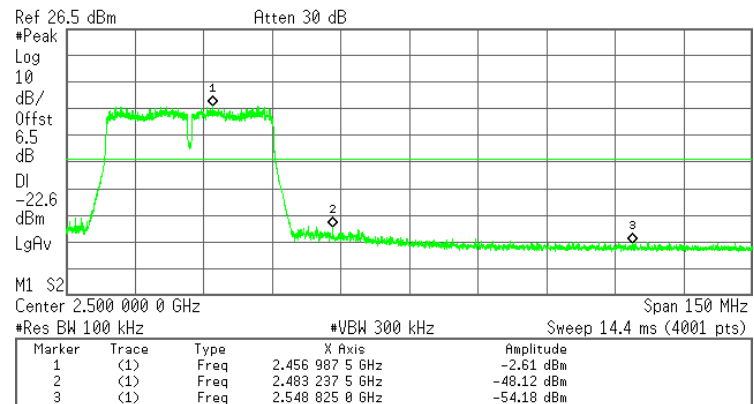
802.11n HT40 mcs7 – Side Antenna

* Agilent



Low Channel - Plot

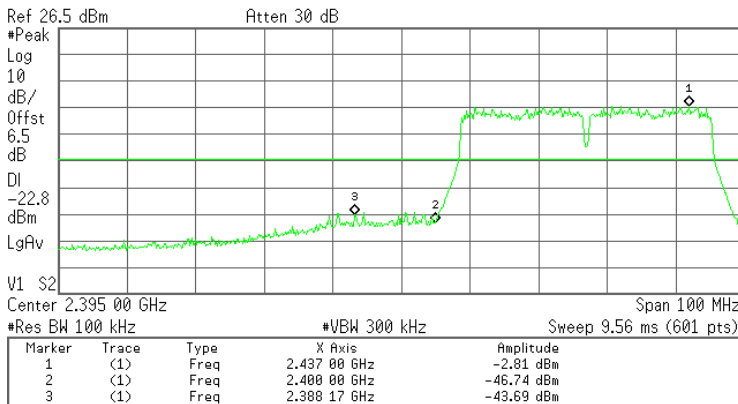
* Agilent



High Channel - Plot

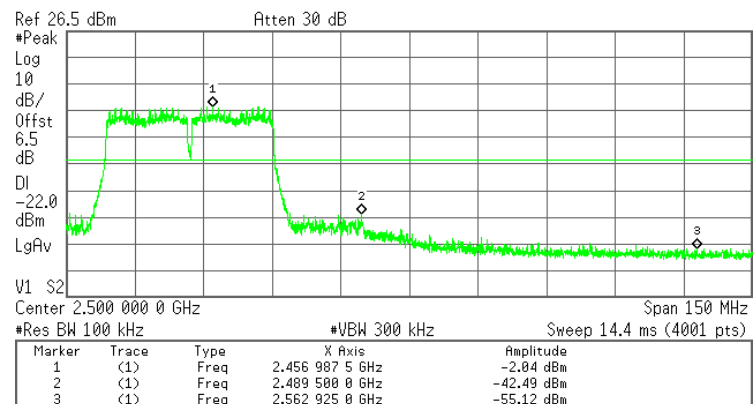
802.11n HT40 mcs7 – Top Antenna

* Agilent



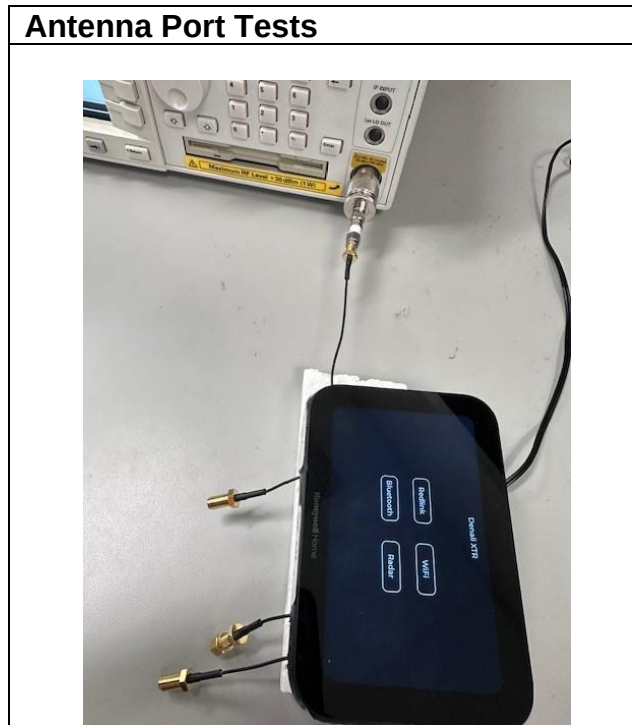
Low Channel - Plot

* Agilent



High Channel - Plot

Setup Photos



Note: Above photo is representative of both all tested antenna ports. Only the BLE antenna ports were tested for purposes of this report.

END OF REPORT