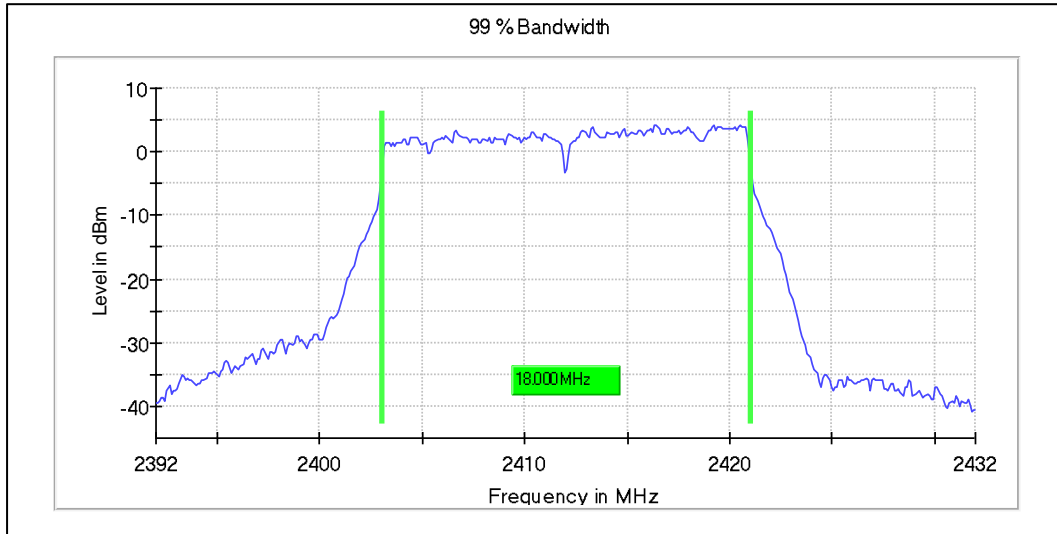
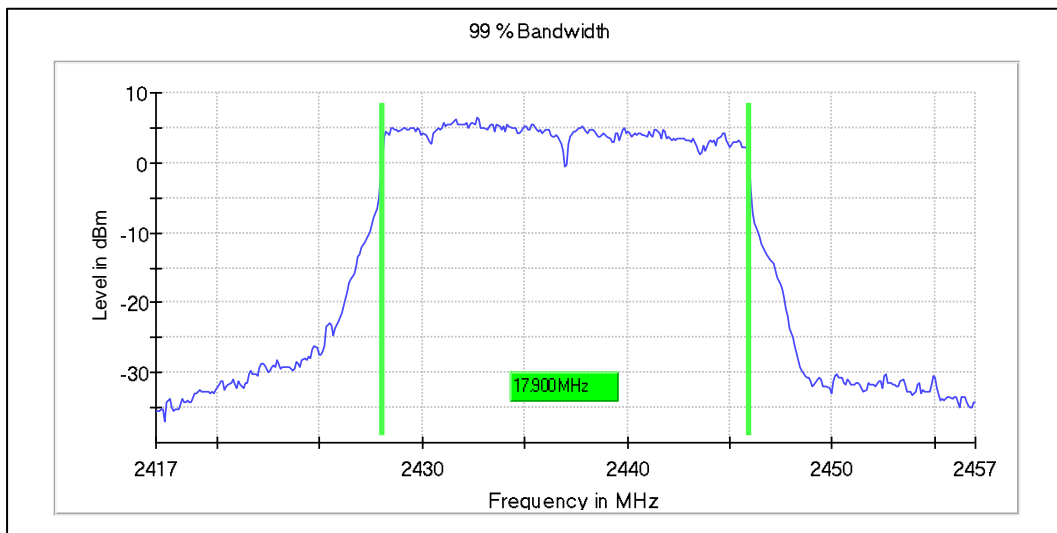


Graphs for OCW 99 % bandwidth measurement



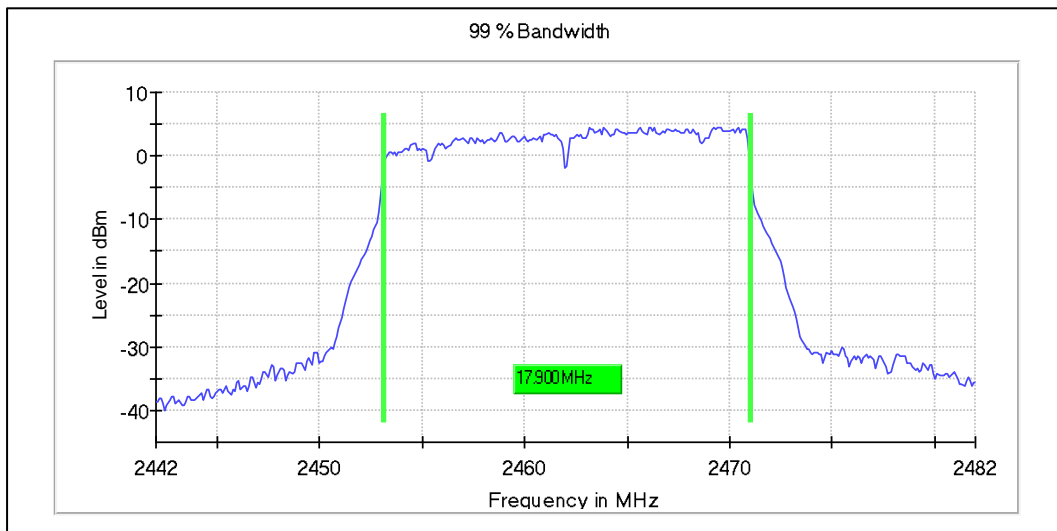
Data Rate: MCS7

Channel Frequency: 2412MHz



Data Rate: MCS7

Channel Frequency: 2437MHz



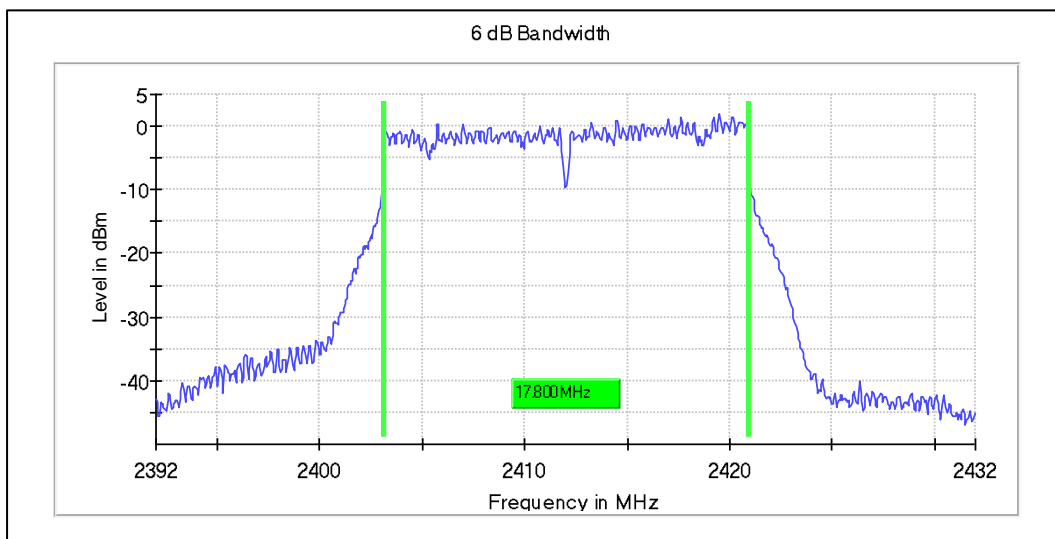
Data Rate: MCS7

Channel Frequency: 2462MHz

Modulation: 802.11ac_VHT20

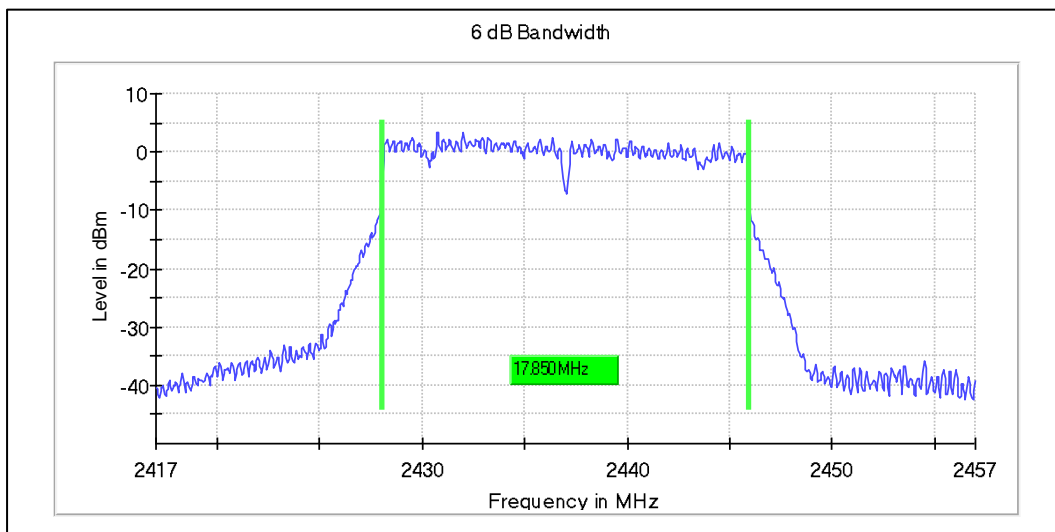
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2412	17.40	18.00	0.5
	2437	17.00	18.20	0.5
	2462	16.45	17.90	0.5
MCS8	2412	17.80	17.80	0.5
	2437	17.85	17.80	0.5
	2462	17.80	17.80	0.5

Graphs for 6 dB bandwidth measurement



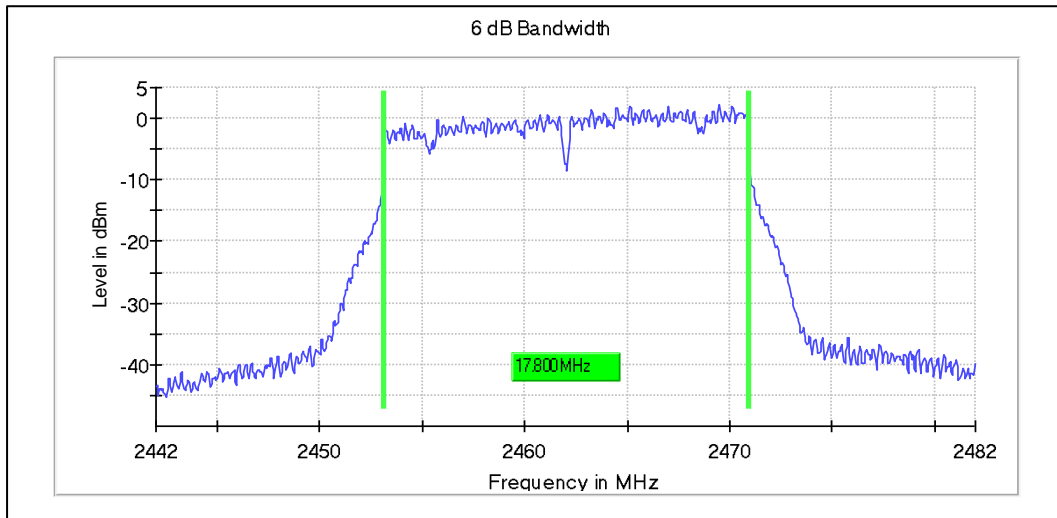
Data Rate: MCS8

Channel Frequency: 2412MHz



Data Rate: MCS8

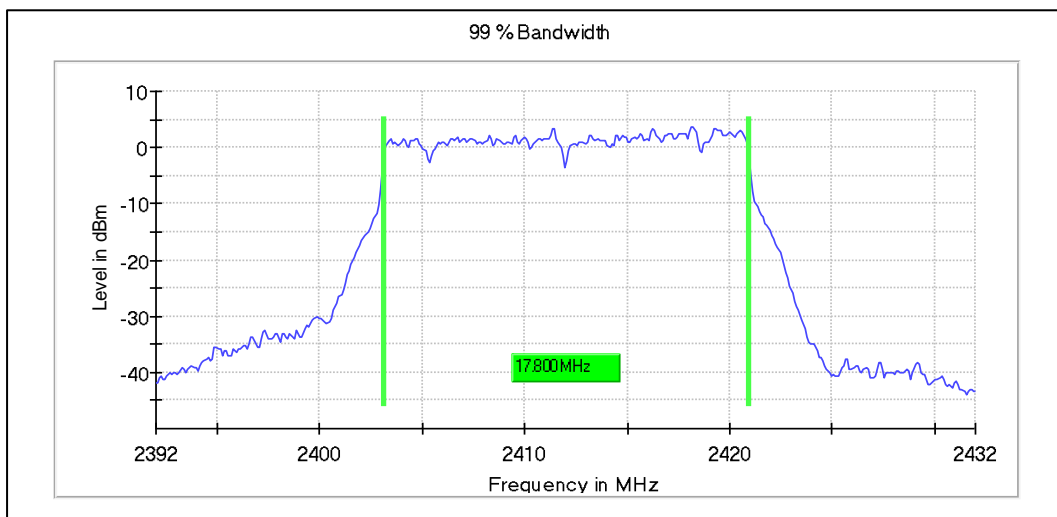
Channel Frequency: 2437MHz



Data Rate: MCS8

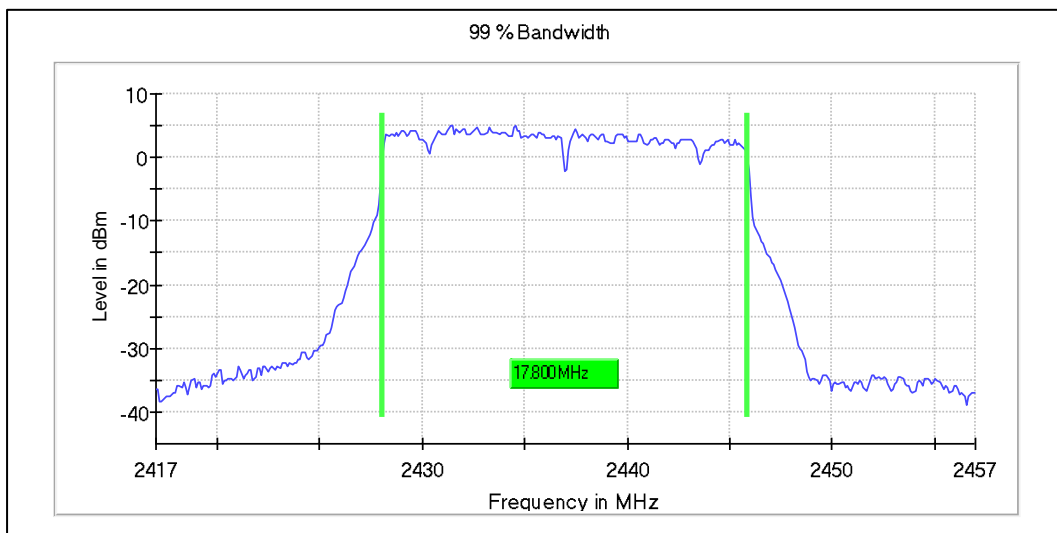
Channel Frequency: 2462MHz

Graphs for OCW 99 % bandwidth measurement



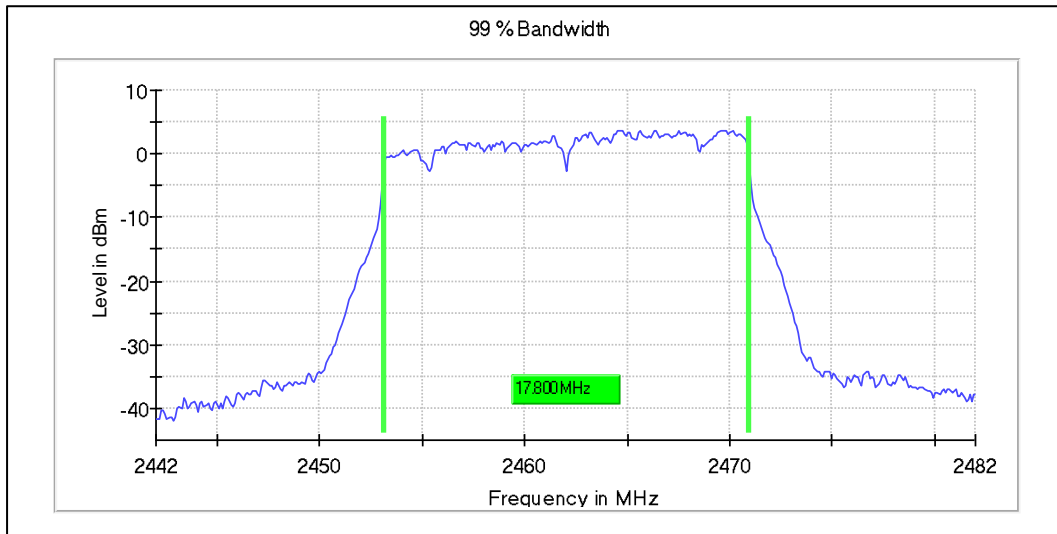
Data Rate: MCS8

Channel Frequency: 2412MHz



Data Rate: MCS8

Channel Frequency: 2437MHz



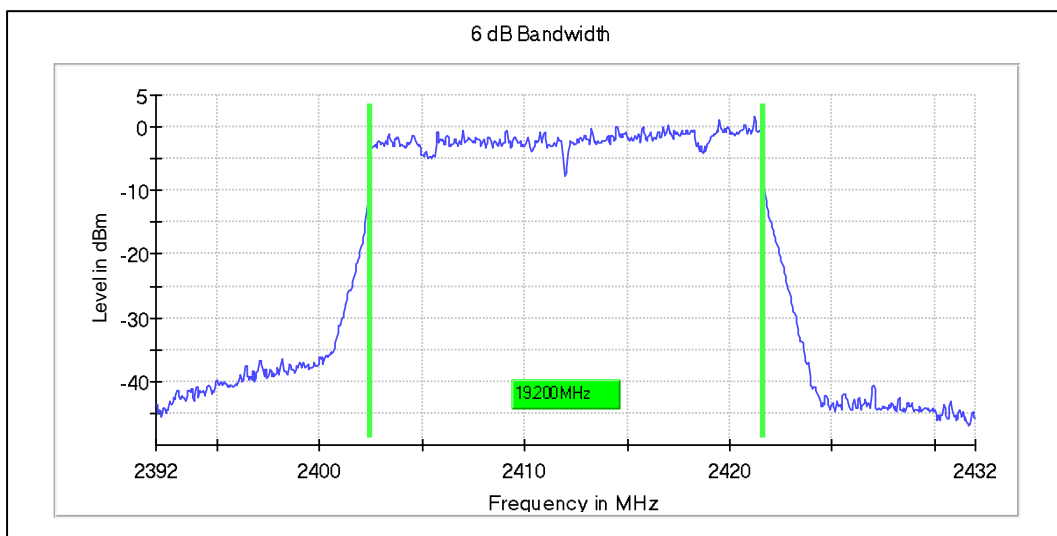
Data Rate: MCS8

Channel Frequency: 2462MHz

Modulation: 802.11ax_HE20

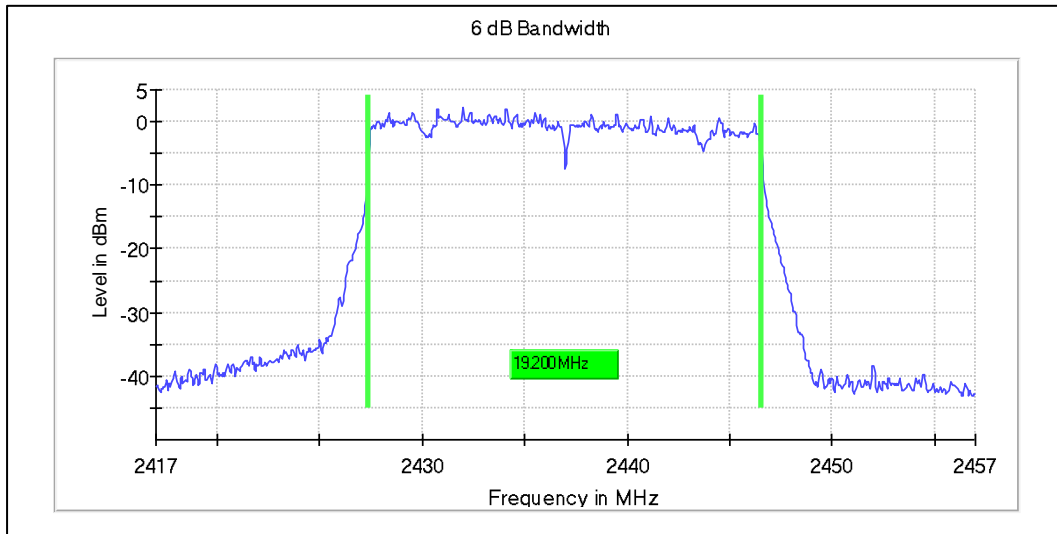
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2412	18.85	19.00	0.5
	2437	18.80	19.10	0.5
	2462	18.65	19.00	0.5
MCS11	2412	19.20	19.20	0.5
	2437	19.20	19.10	0.5
	2462	17.80	19.10	0.5

Graphs for 6 dB bandwidth measurement



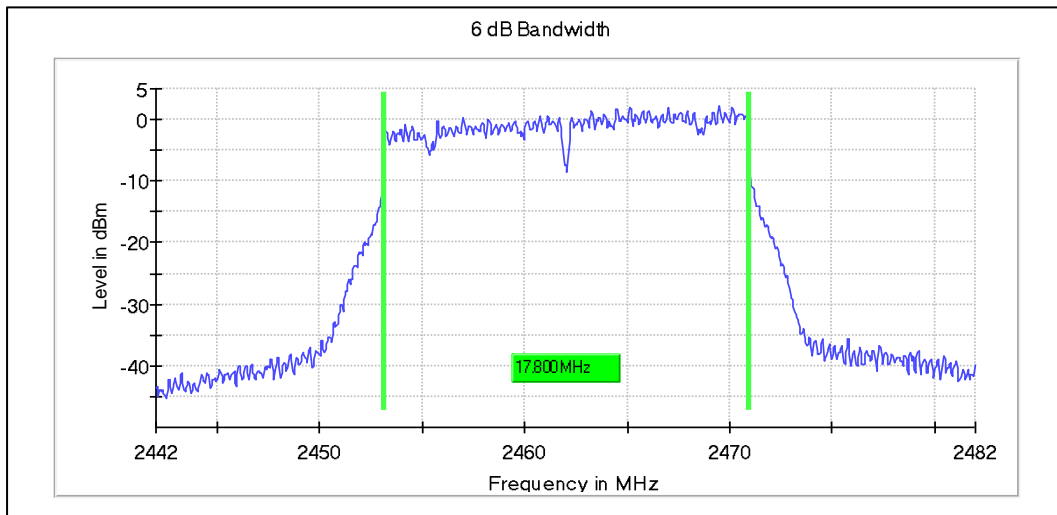
Data Rate: MCS11

Channel Frequency: 2412MHz



Data Rate: MCS11

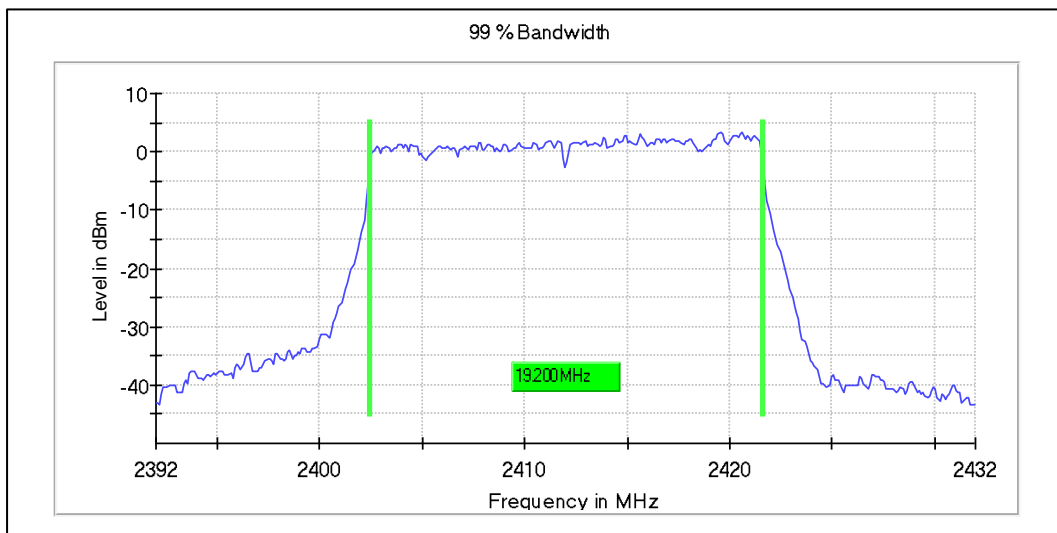
Channel Frequency: 2437MHz



Data Rate: MCS11

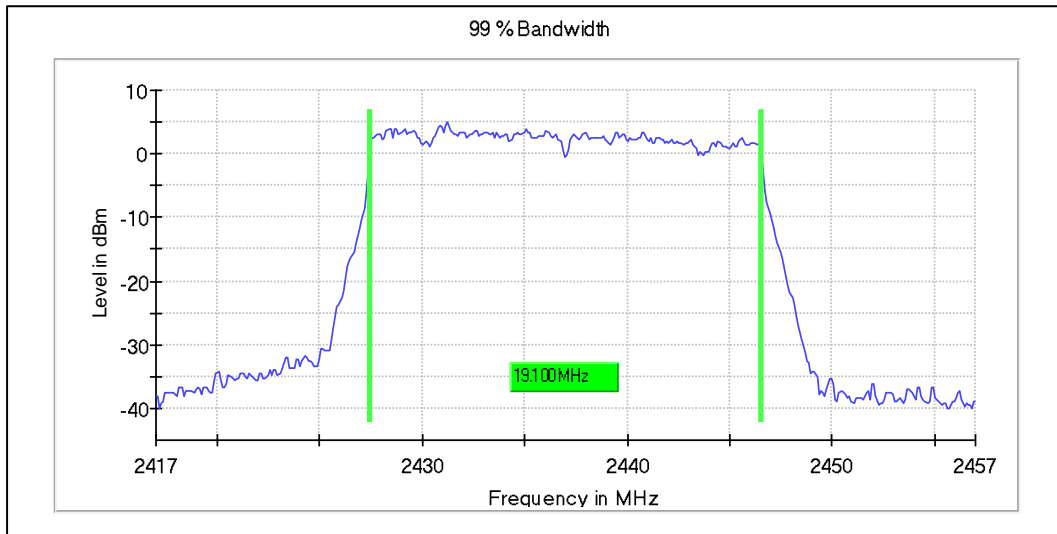
Channel Frequency: 2462MHz

Graphs for OCW 99 % bandwidth measurement



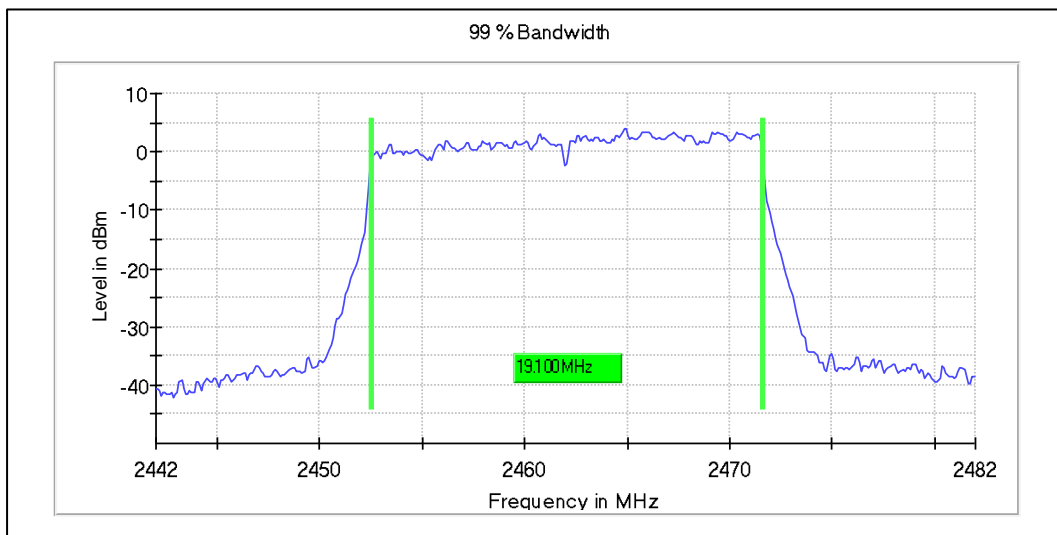
Data Rate: MCS11

Channel Frequency: 2412MHz



Data Rate: MCS11

Channel Frequency: 2437MHz



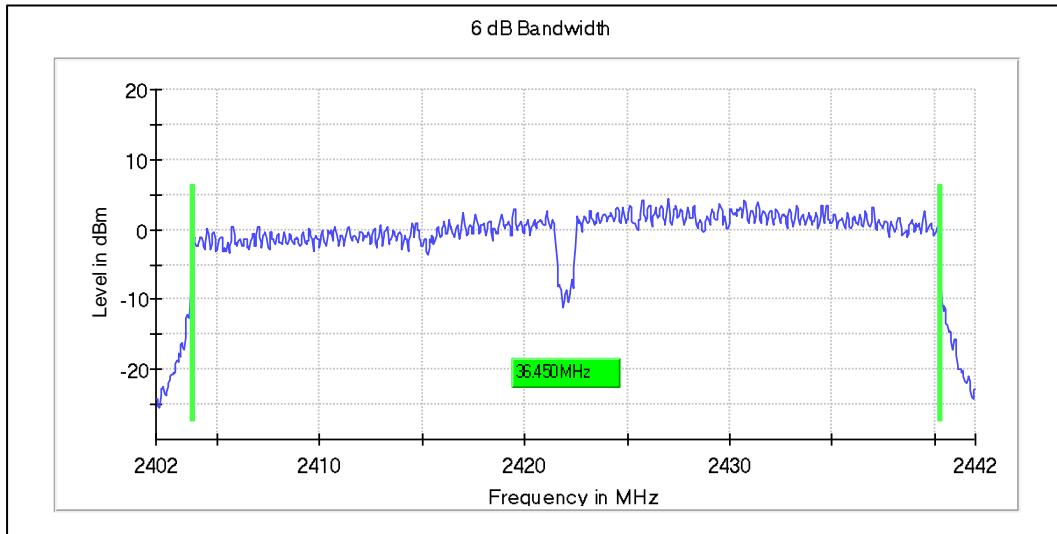
Data Rate: MCS11

Channel Frequency: 2462MHz

Modulation: 802.11n_HT40

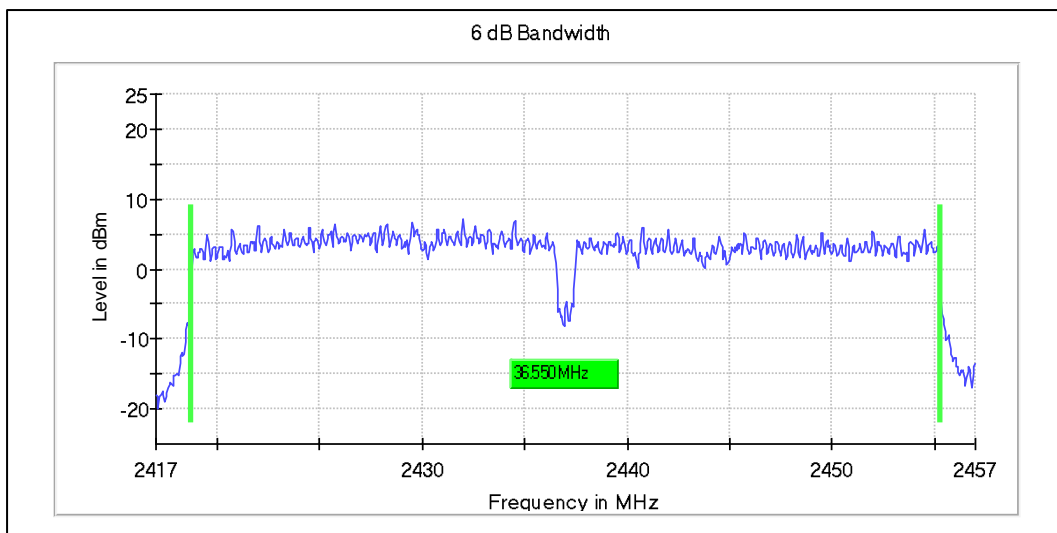
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2422	35.75	36.00	0.5
	2437	36.40	36.20	0.5
	2452	36.40	36.30	0.5
MCS7	2422	36.45	36.20	0.5
	2437	36.55	36.20	0.5
	2452	36.60	36.30	0.5

Graphs for 6 dB bandwidth measurement



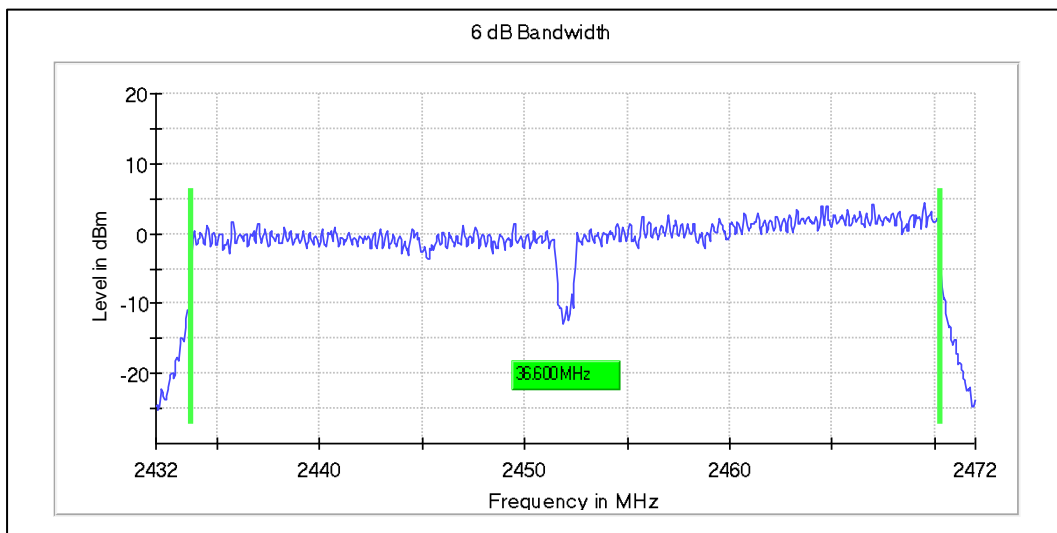
Data Rate: MCS7

Channel Frequency: 2422MHz



Data Rate: MCS7

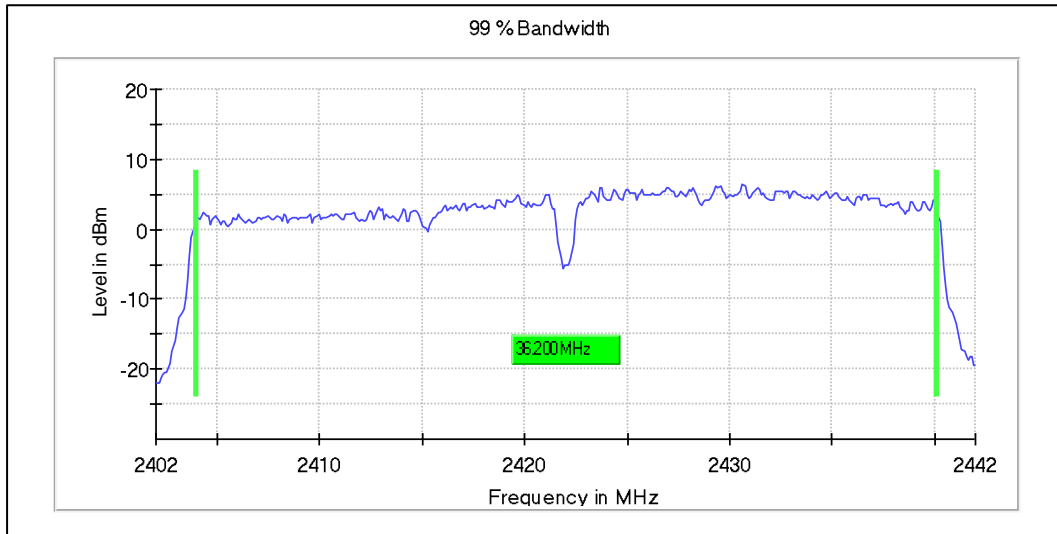
Channel Frequency: 2437MHz



Data Rate: MCS7

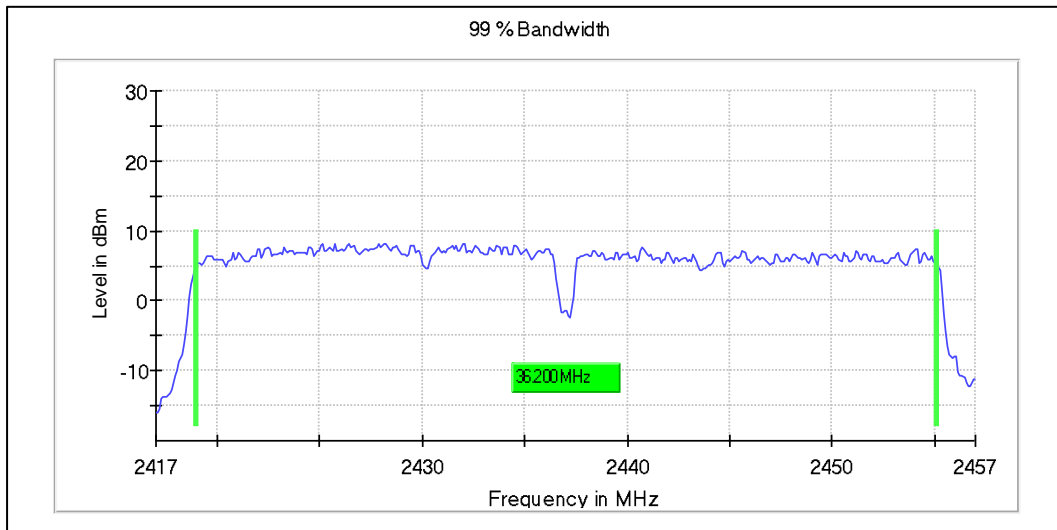
Channel Frequency: 2452MHz

Graphs for OCW 99 % bandwidth measurement



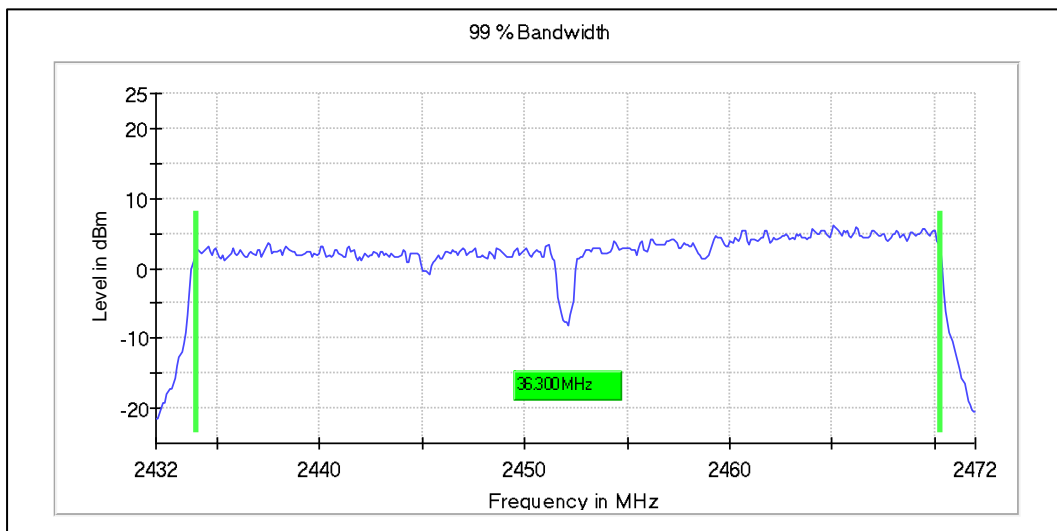
Data Rate: MCS7

Channel Frequency: 2422MHz



Data Rate: MCS7

Channel Frequency: 2437MHz



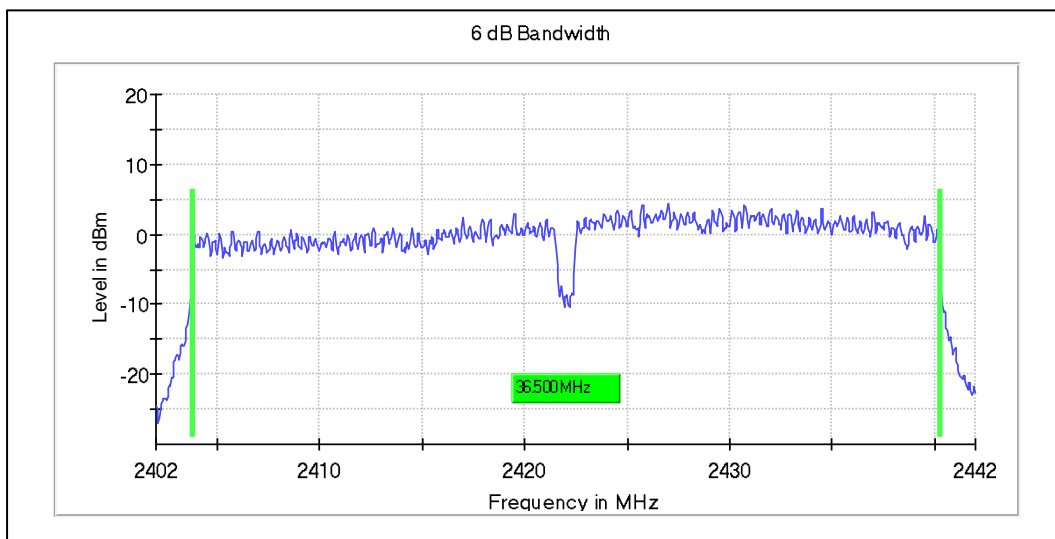
Data Rate: MCS7

Channel Frequency: 2452MHz

Modulation: 802.11ac_VHT40MHz

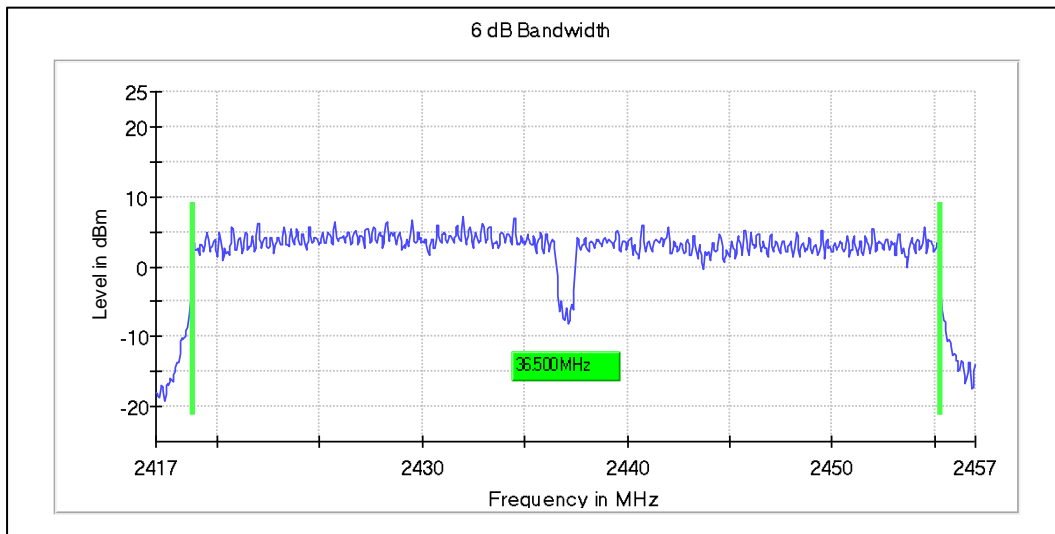
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2422	35.75	36.00	0.5
	2437	36.40	36.30	0.5
	2452	36.15	36.30	0.5
MCS8	2422	36.50	36.20	0.5
	2437	36.50	36.30	0.5
	2452	36.55	36.40	0.5

Graphs for 6 dB bandwidth measurement



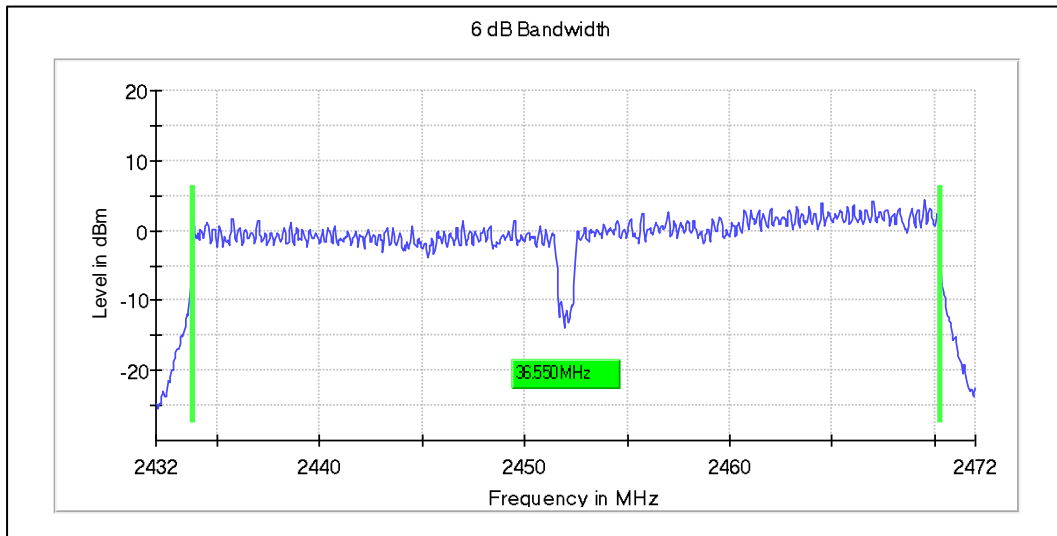
Data Rate: MCS8

Channel Frequency: 2422MHz



Data Rate: MCS8

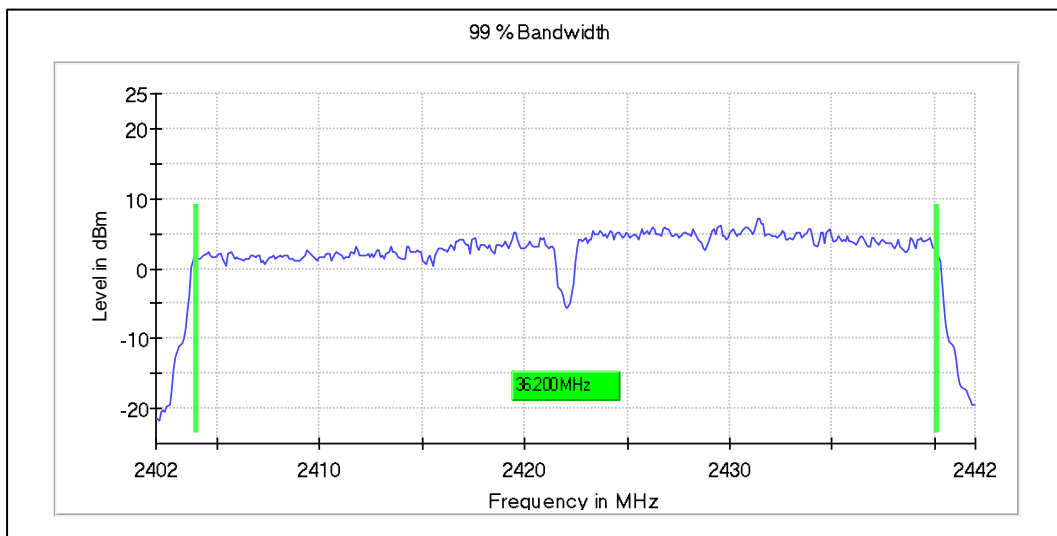
Channel Frequency: 2437MHz



Data Rate: MCS8

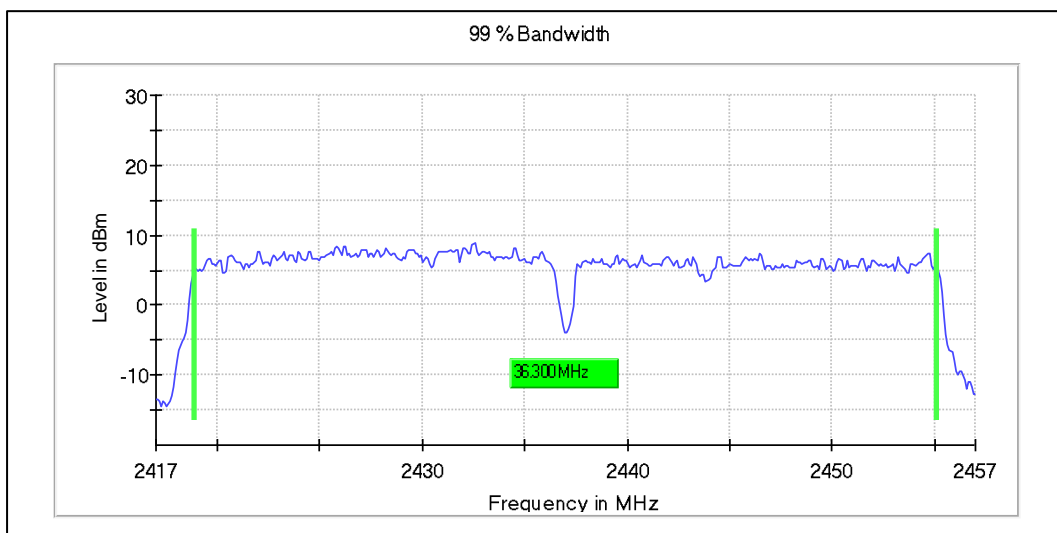
Channel Frequency: 2452MHz

Graphs for OCW 99 % bandwidth measurement



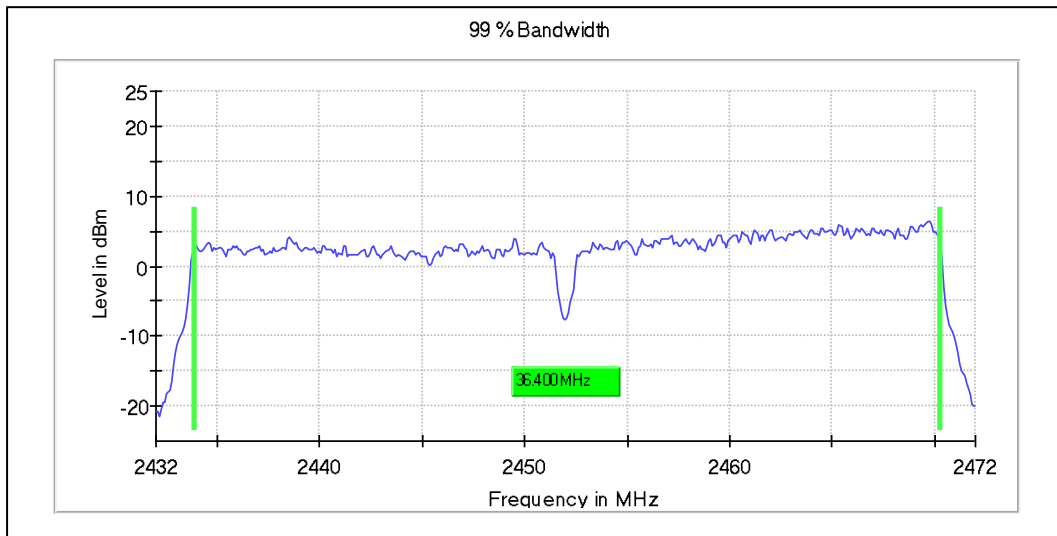
Data Rate: MCS8

Channel Frequency: 2422MHz



Data Rate: MCS8

Channel Frequency: 2437MHz



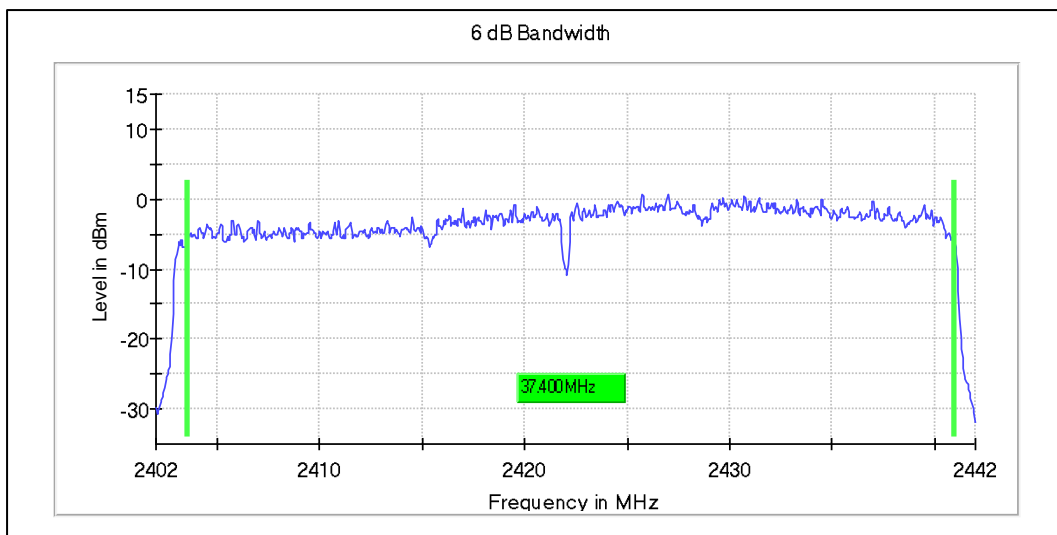
Data Rate: MCS8

Channel Frequency: 2452MHz

Modulation: 802.11ax_HE40

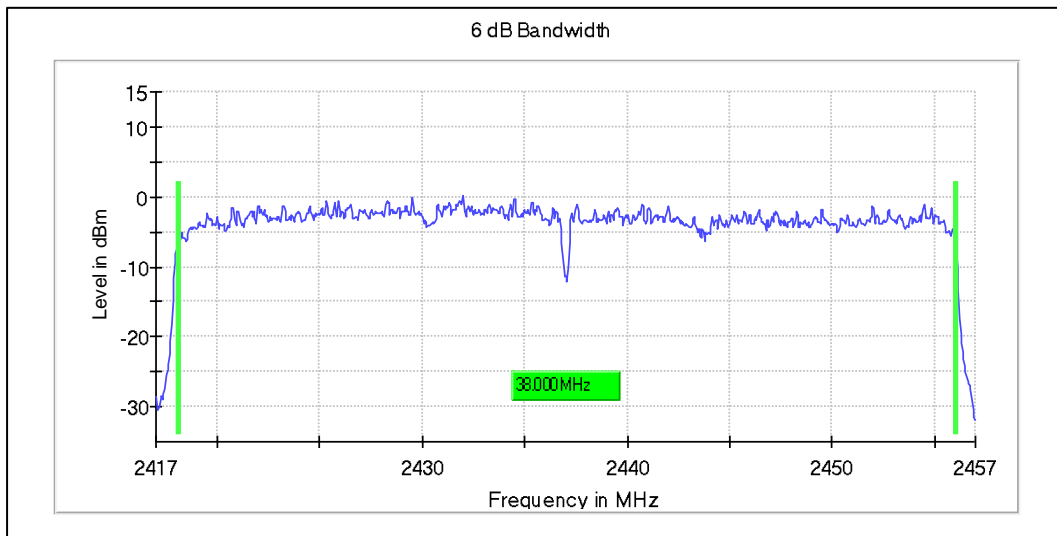
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2422	37.30	37.40	0.5
	2437	37.90	37.60	0.5
	2452	37.90	37.70	0.5
MCS11	2422	37.40	37.40	0.5
	2437	38.00	37.60	0.5
	2452	37.90	37.70	0.5

Graphs for 6 dB bandwidth measurement



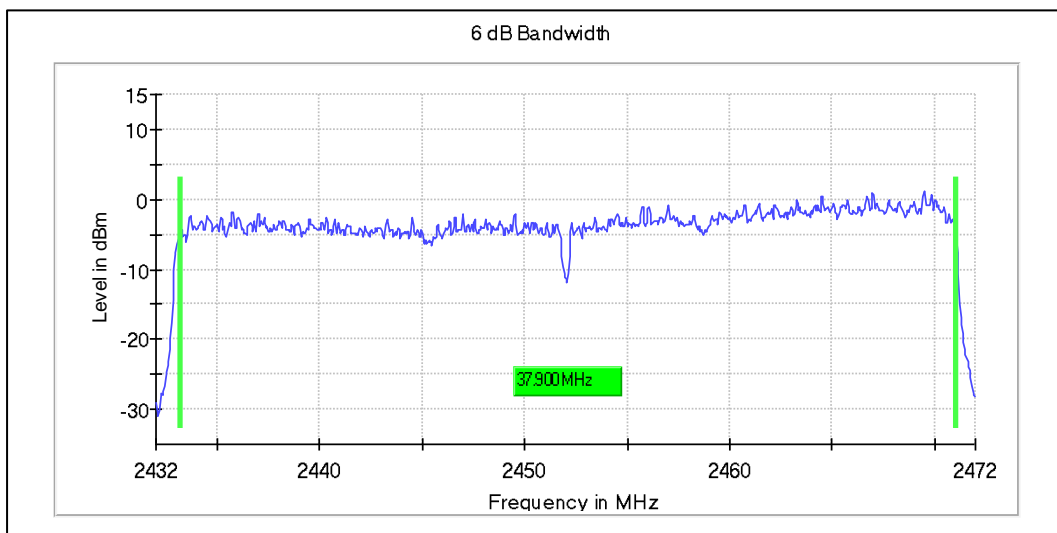
Data Rate: MCS11

Channel Frequency: 2422MHz



Data Rate: MCS11

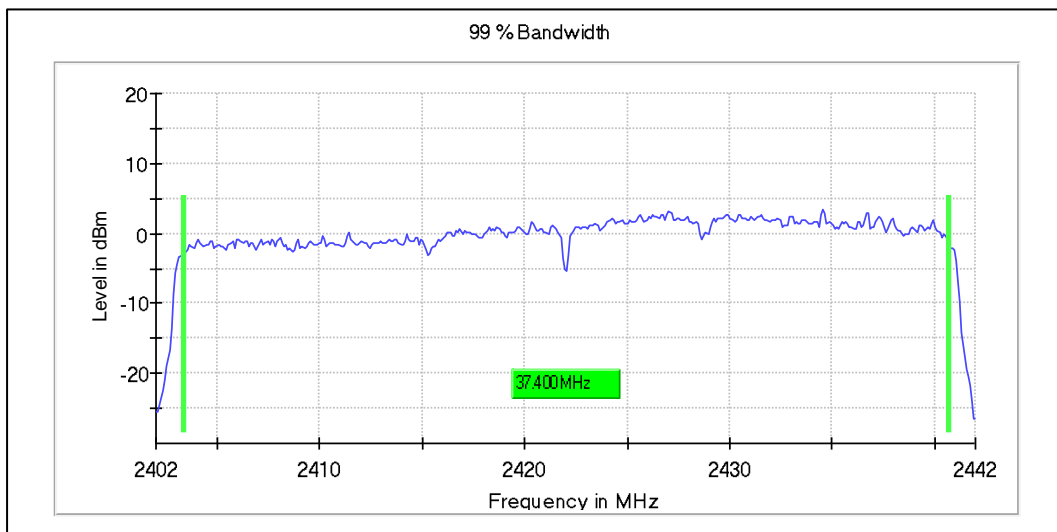
Channel Frequency: 2437MHz



Data Rate: MCS11

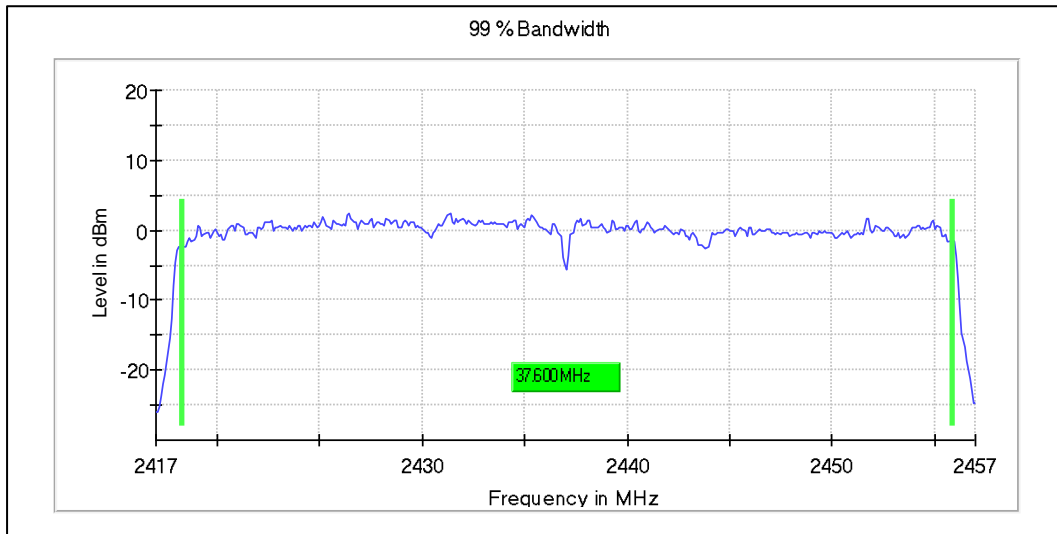
Channel Frequency: 2452MHz

Graphs for OCW 99 % bandwidth measurement



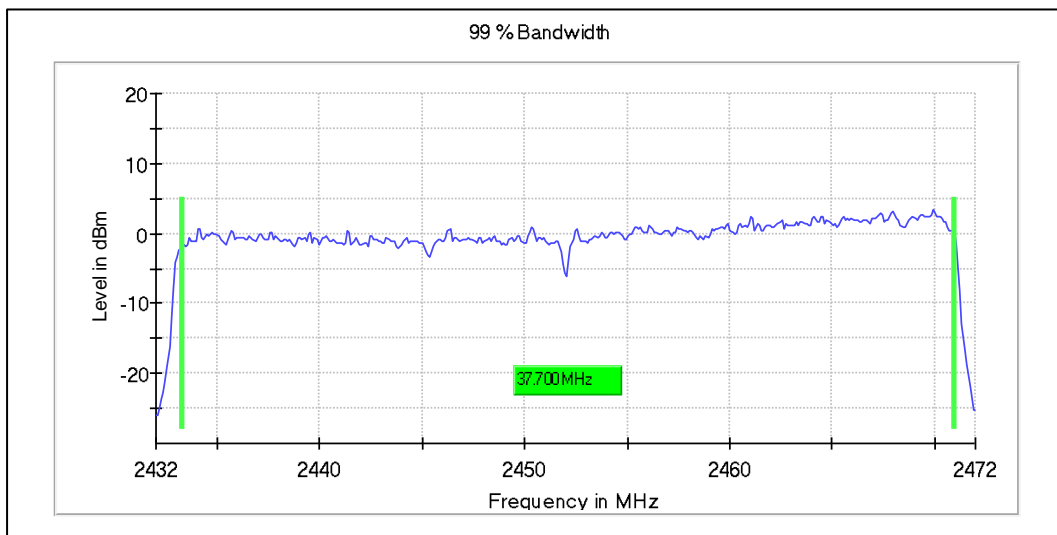
Data Rate: MCS11

Channel Frequency: 2422MHz



Data Rate: MCS11

Channel Frequency: 2437MHz



Data Rate: MCS11

Channel Frequency: 2452MHz

Antenna Type: 1001932PT (PCB/Flex) MIMO Antenna Results

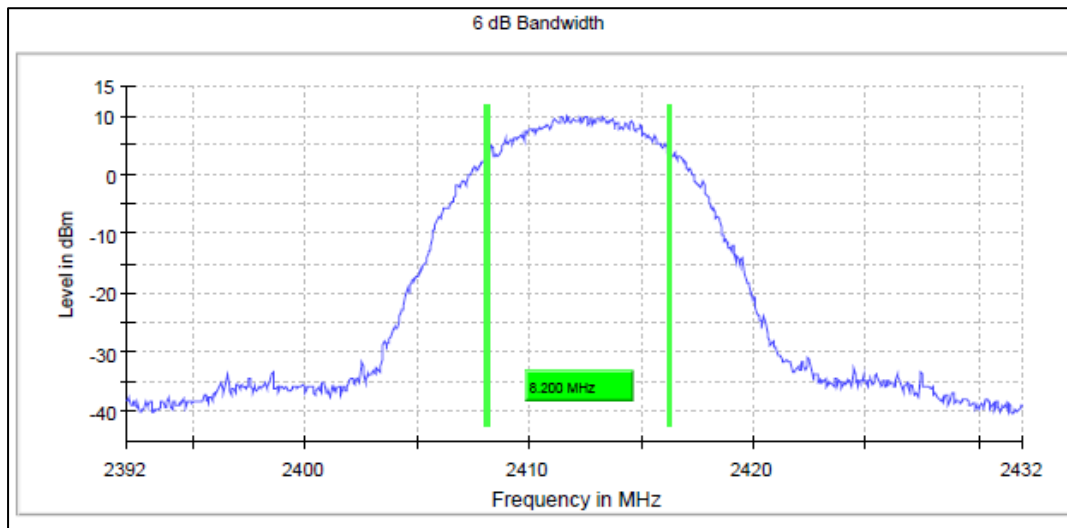
Note:

1. All the losses are included during measurement and final values are mentioned in the test report.
2. Total Average PSD (dBm) = Measured Average PSD (dBm) + Attenuator factor (10dB) + Cable loss (0.4dB)
3. This product do not support additional beamforming gain / directional gain, it uses signal antenna and hence directional gain of the single antenna is 2.50 dBi

Modulation: 802.11b

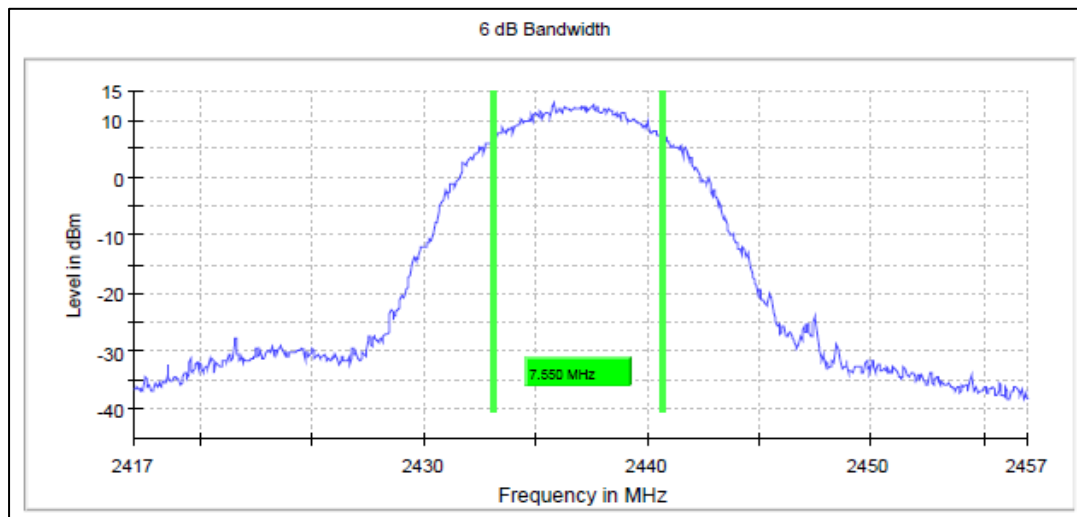
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
1Mbps	2412	7.65	11.30	0.5
	2437	7.65	11.70	0.5
	2462	7.65	11.10	0.5
11Mbps	2412	8.20	11.30	0.5
	2437	7.55	11.40	0.5
	2462	6.95	11.20	0.5

Graphs for 6 dB bandwidth measurement



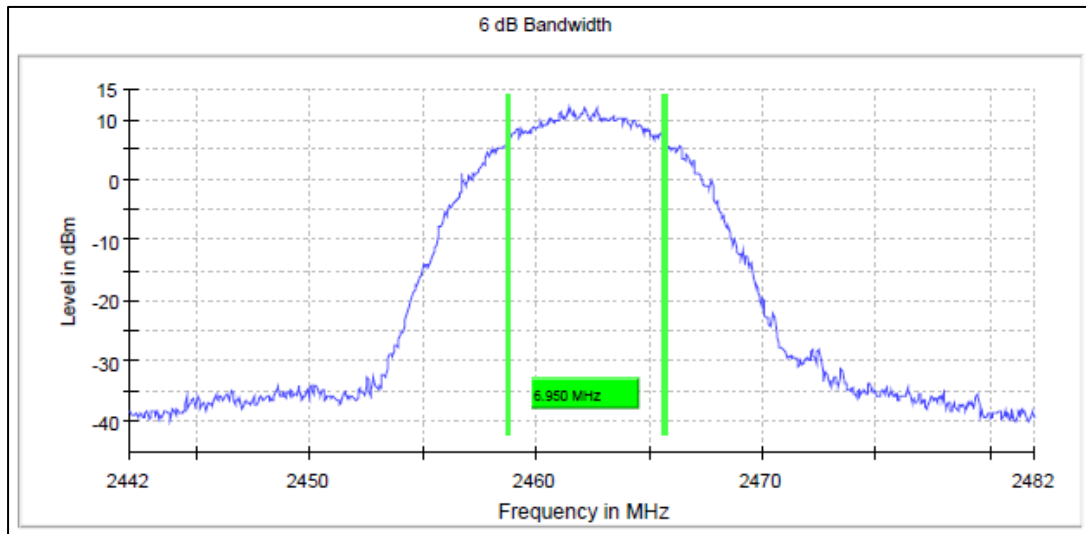
Data Rate: 11Mbps

Channel Frequency: 2412MHz



Data Rate: 11Mbps

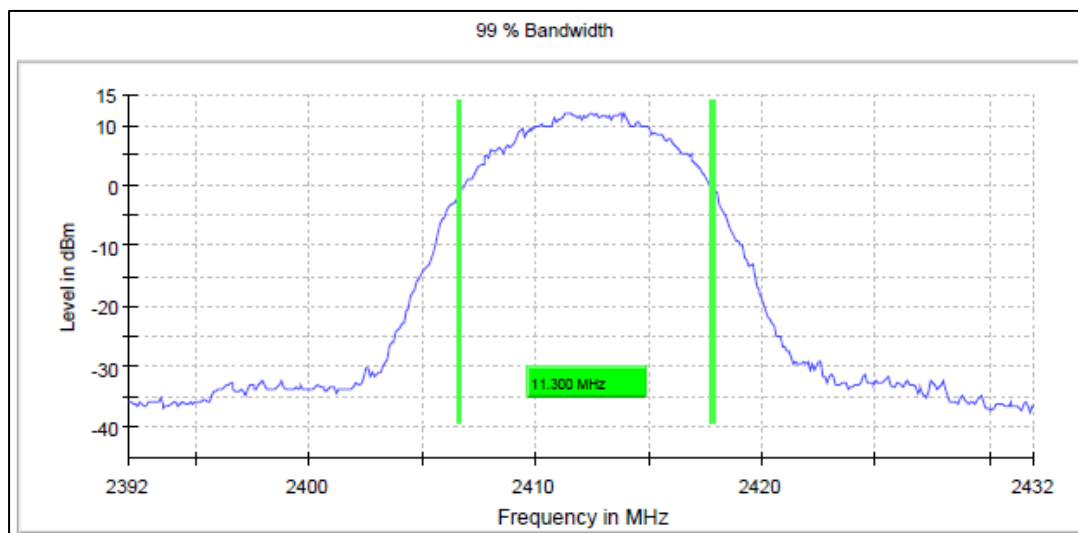
Channel Frequency: 2437MHz



Data Rate: 11Mbps

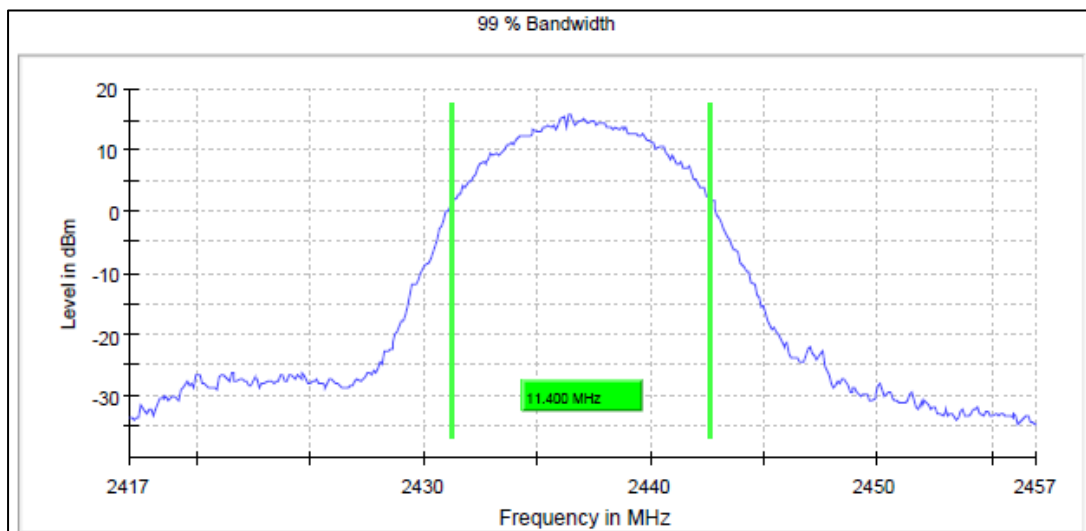
Channel Frequency: 2462MHz

Graphs for OCW 99 % bandwidth measurement



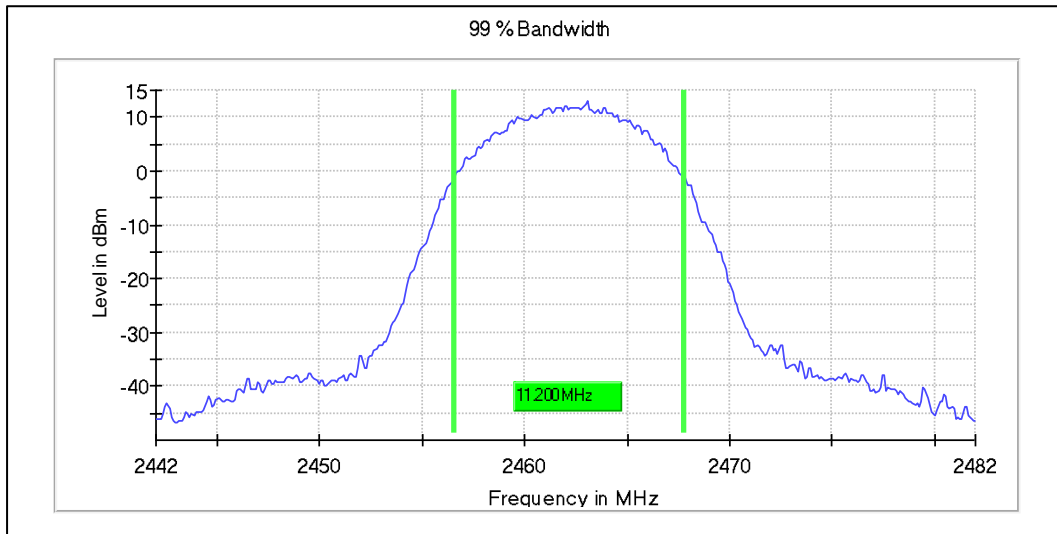
Data Rate: 11Mbps

Channel Frequency: 2412MHz



Data Rate: 11Mbps

Channel Frequency: 2437MHz



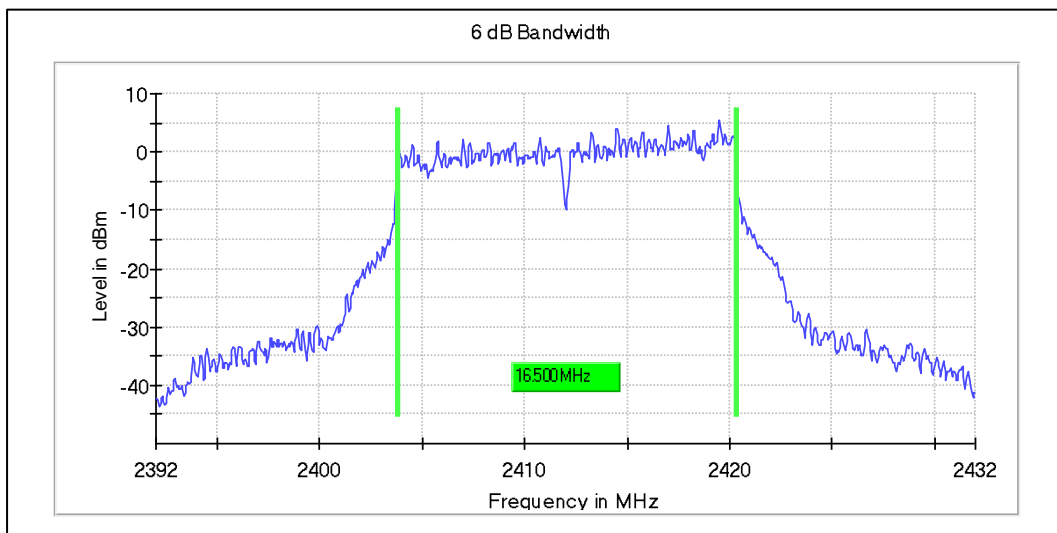
Data Rate: 11Mbps

Channel Frequency: 2462MHz

Modulation: 802.11g

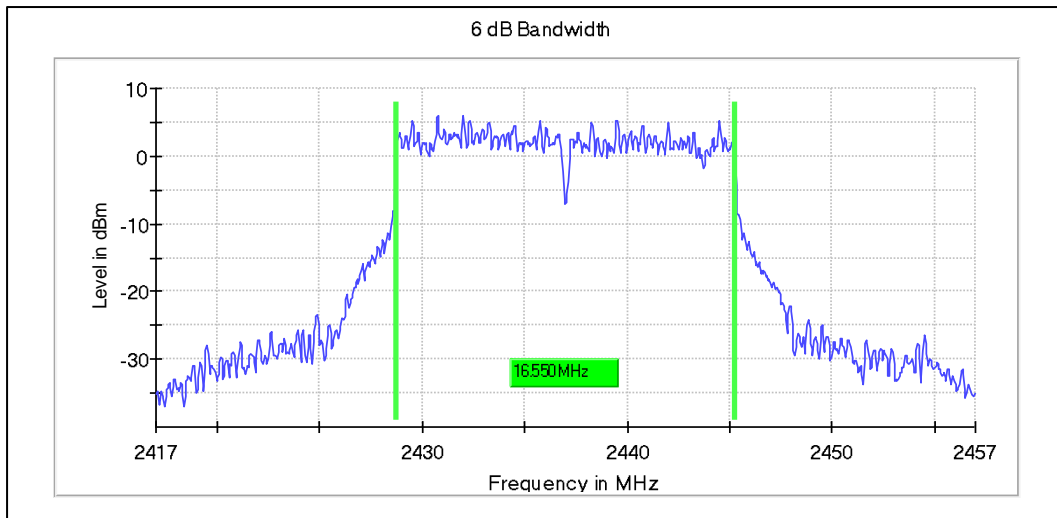
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
6Mbps	2412	15.80	16.90	0.5
	2437	16.40	18.90	0.5
	2462	16.15	16.60	0.5
54Mbps	2412	16.50	16.90	0.5
	2437	16.55	16.70	0.5
	2462	16.55	16.70	0.5

Graphs for 6 dB bandwidth measurement



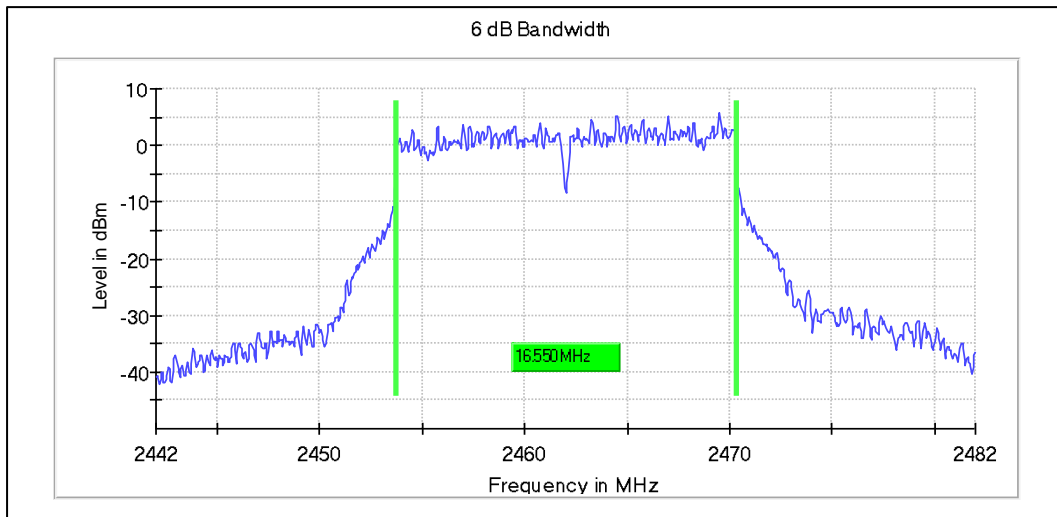
Data Rate: 54Mbps

Channel Frequency: 2412MHz



Data Rate: 54Mbps

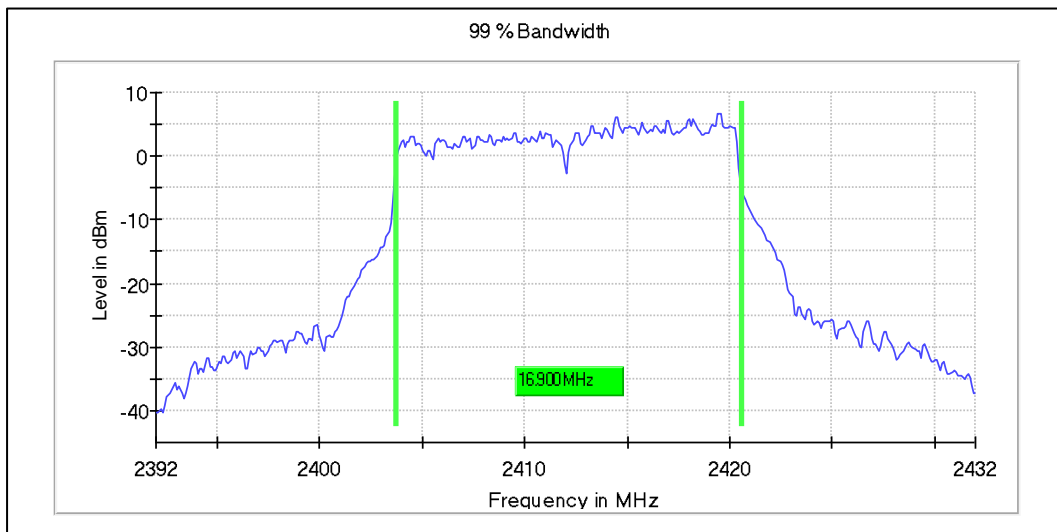
Channel Frequency: 2437MHz



Data Rate: 54Mbps

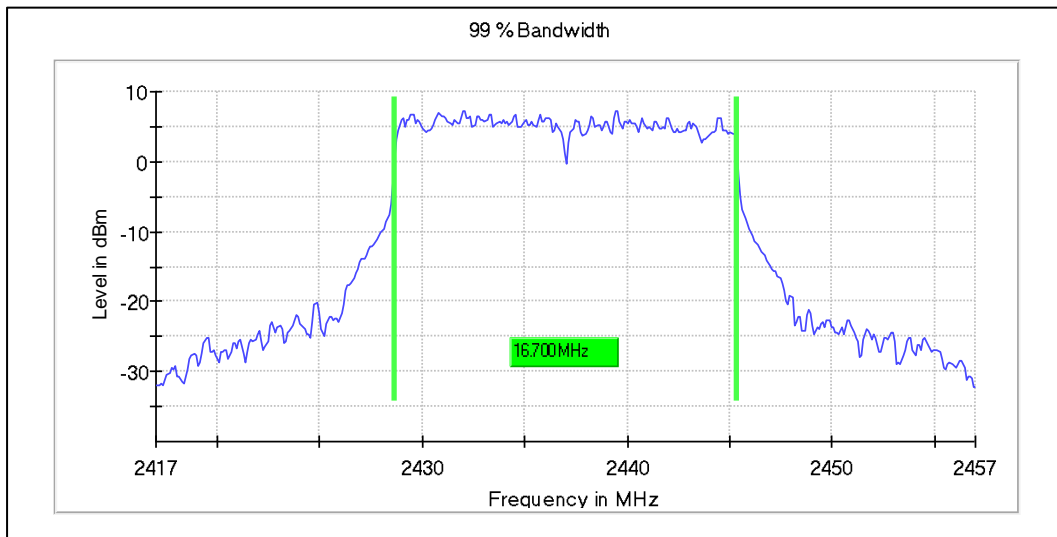
Channel Frequency: 2462MHz

Graphs for OCW 99 % bandwidth measurement



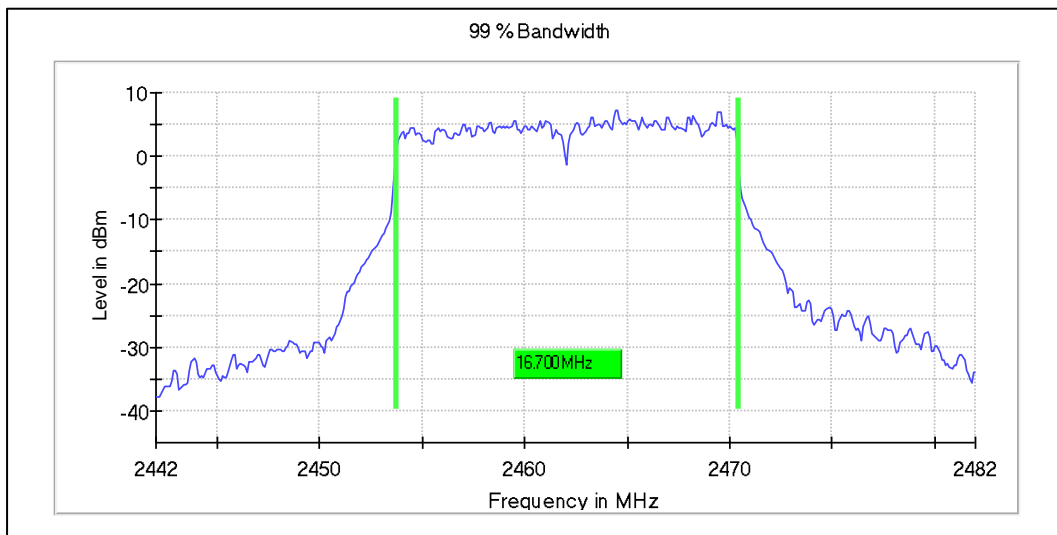
Data Rate: 54Mbps

Channel Frequency: 2412MHz



Data Rate: 54Mbps

Channel Frequency: 2437MHz



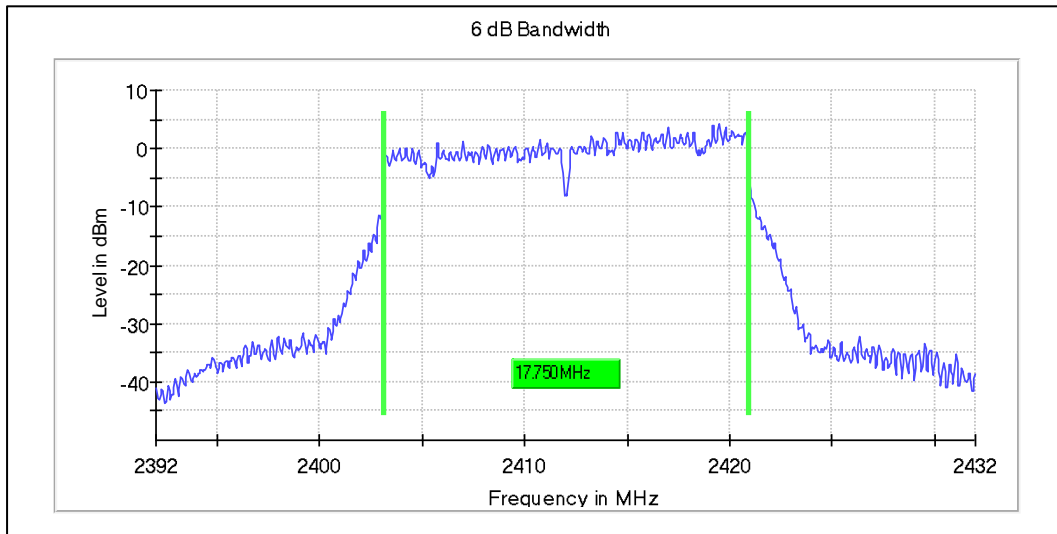
Data Rate: 54Mbps

Channel Frequency: 2462MHz

Modulation: 802.11n_HT20

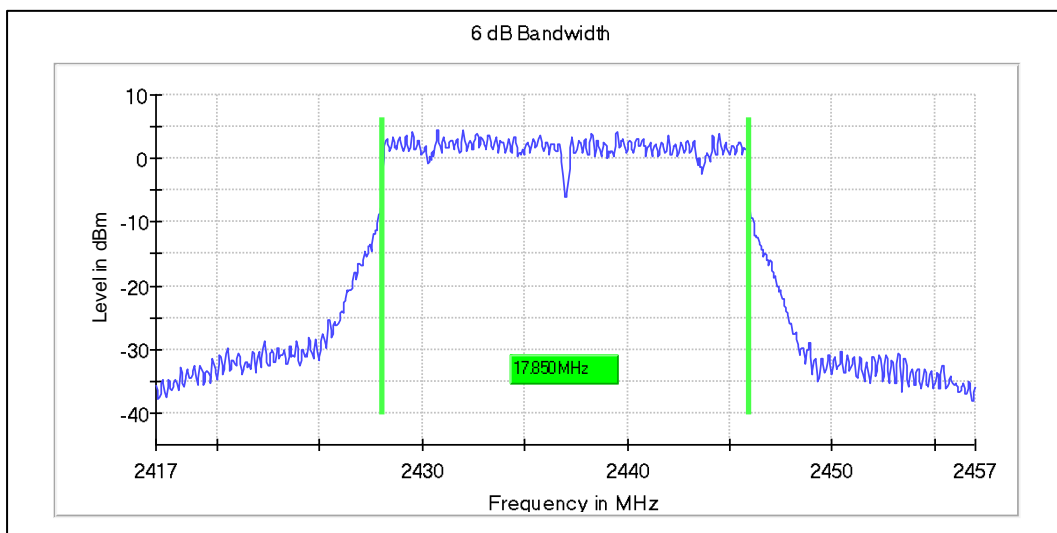
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2412	16.40	18.00	0.5
	2437	17.65	19.30	0.5
	2462	16.75	17.90	0.5
MCS7	2412	17.75	18.10	0.5
	2437	17.85	17.90	0.5
	2462	17.80	17.80	0.5

Graphs for 6 dB bandwidth measurement



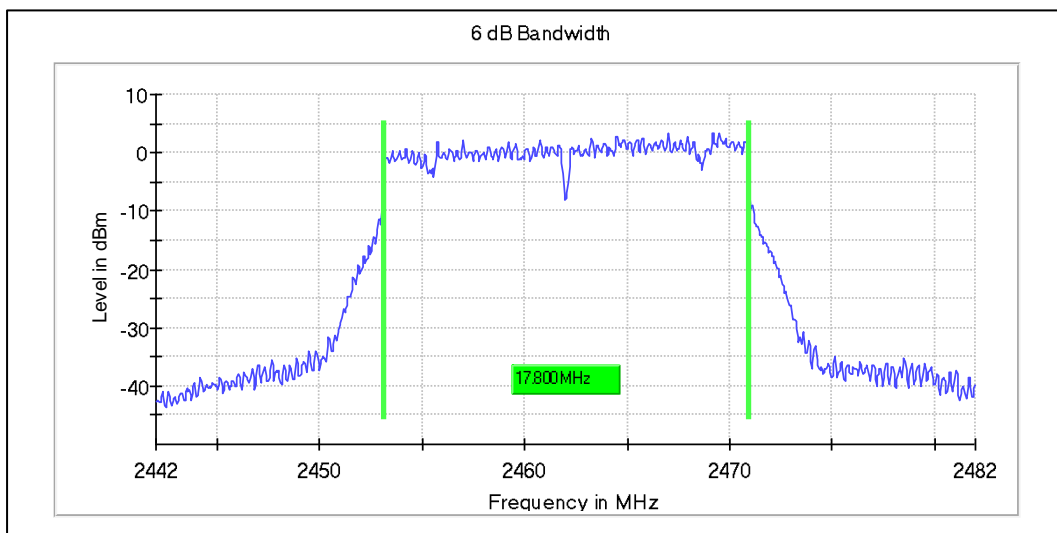
Data Rate: MCS7

Channel Frequency: 2412MHz



Data Rate: MCS7

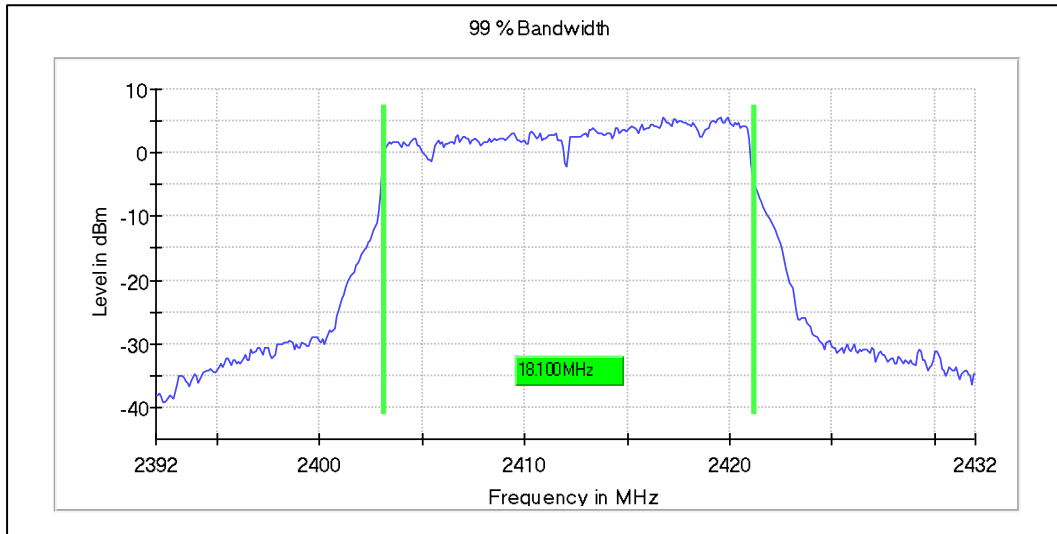
Channel Frequency: 2437MHz



Data Rate: MCS7

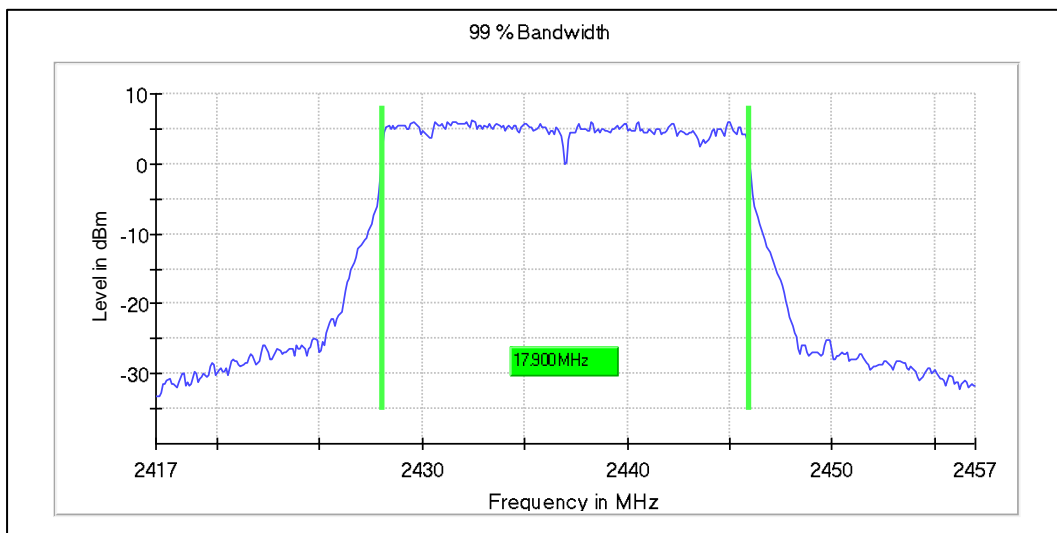
Channel Frequency: 2462MHz

Graphs for OCW 99 % bandwidth measurement



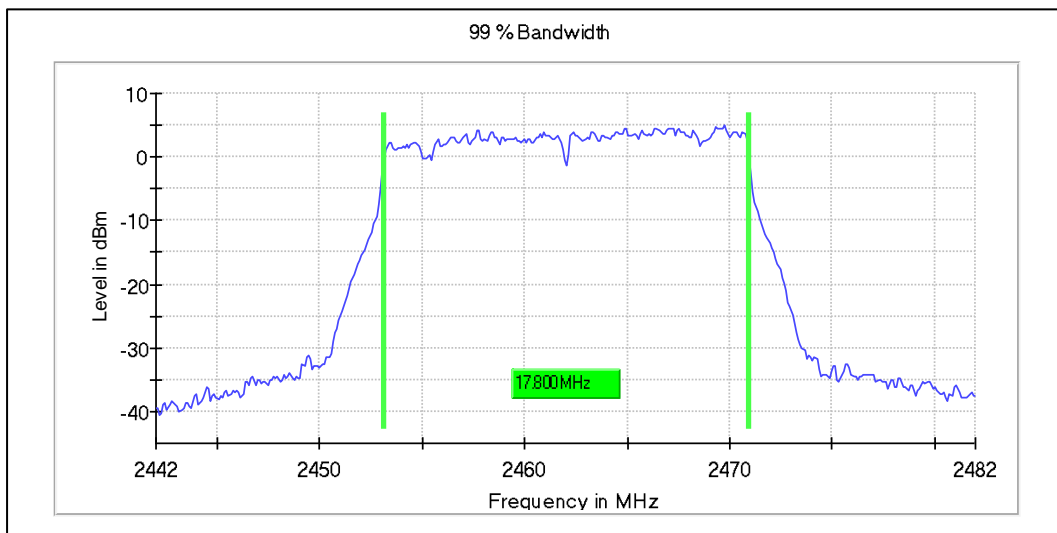
Data Rate: MCS7

Channel Frequency: 2412MHz



Data Rate: MCS7

Channel Frequency: 2437MHz



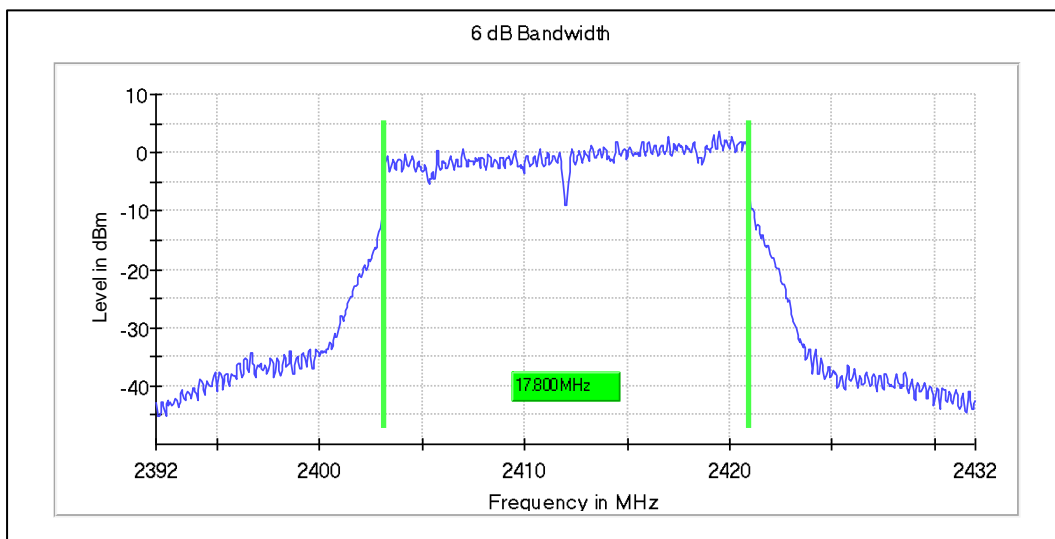
Data Rate: MCS7

Channel Frequency: 2462MHz

Modulation: 802.11ac_VHT20

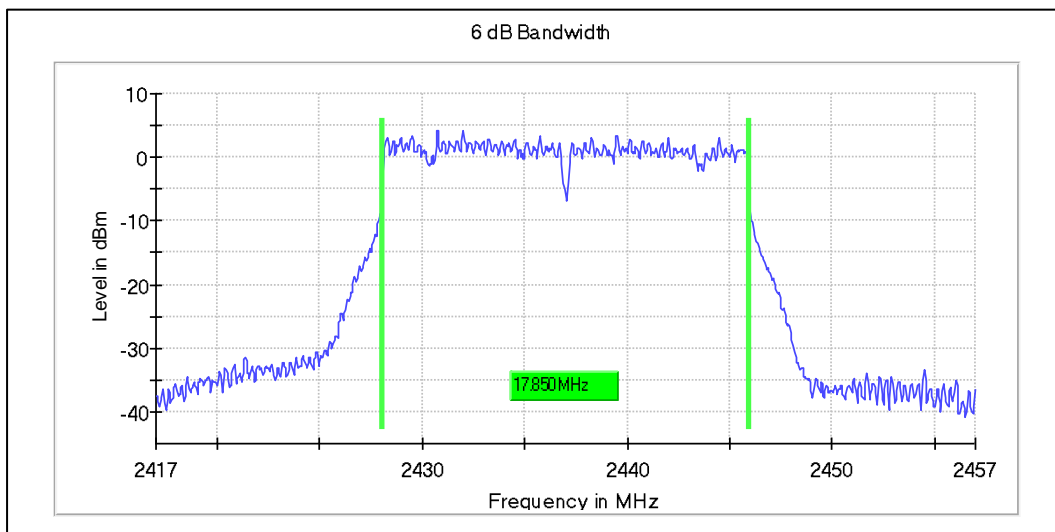
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2412	16.40	18.00	0.5
	2437	17.65	19.30	0.5
	2462	16.75	17.90	0.5
MCS8	2412	17.80	17.90	0.5
	2437	17.85	17.90	0.5
	2462	17.80	17.90	0.5

Graphs for 6 dB bandwidth measurement



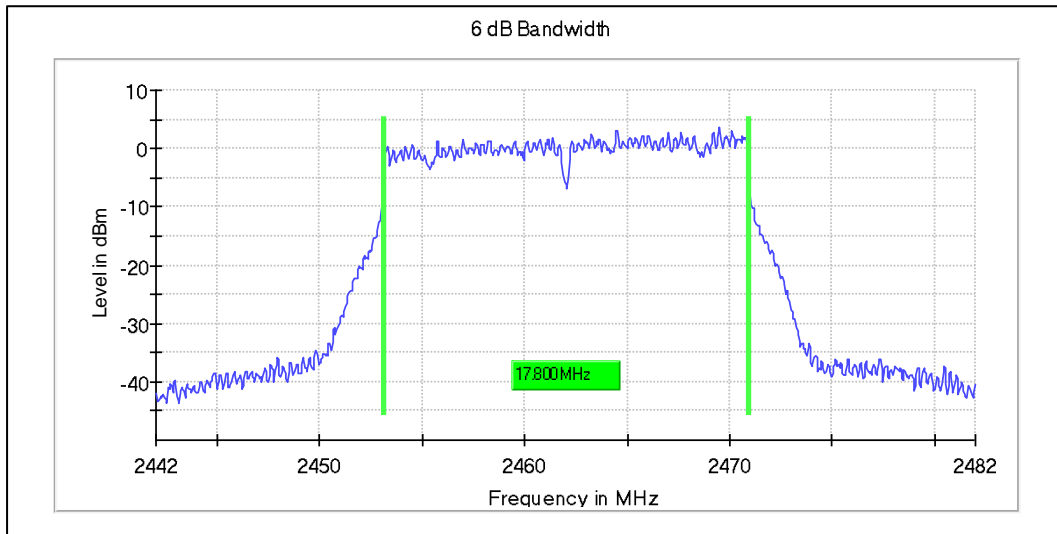
Data Rate: MCS8

Channel Frequency: 2412MHz



Data Rate: MCS8

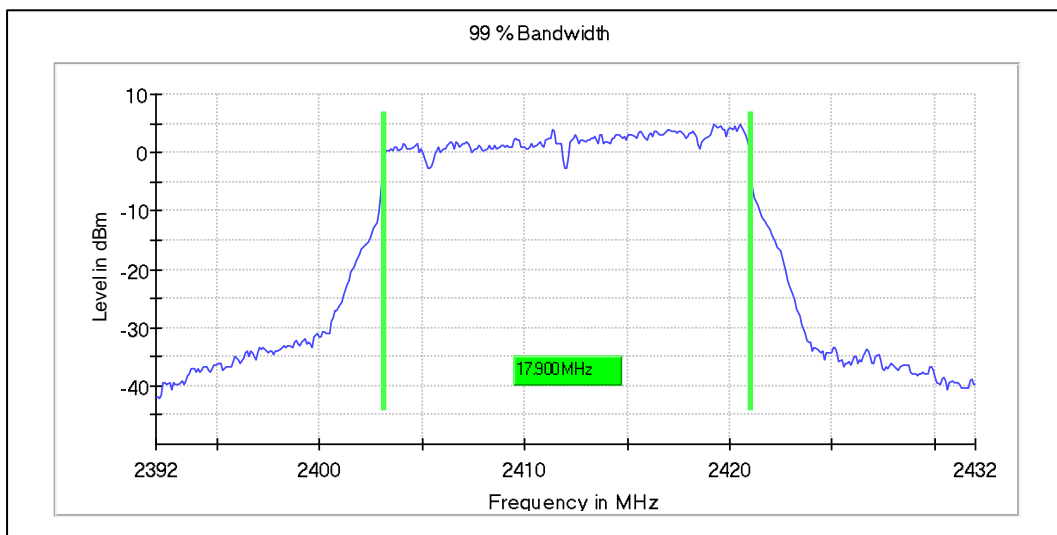
Channel Frequency: 2437MHz



Data Rate: MCS8

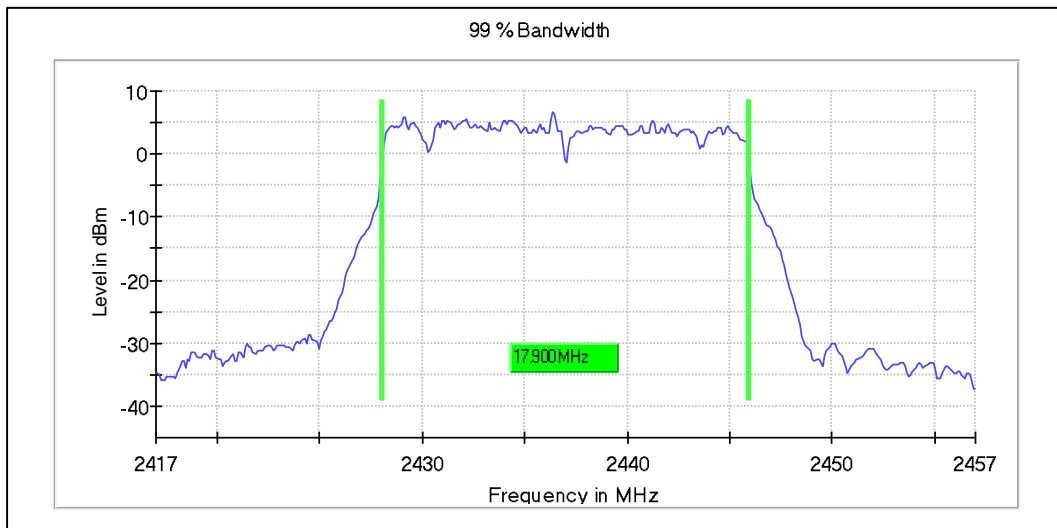
Channel Frequency: 2462MHz

Graphs for OCW 99 % bandwidth measurement



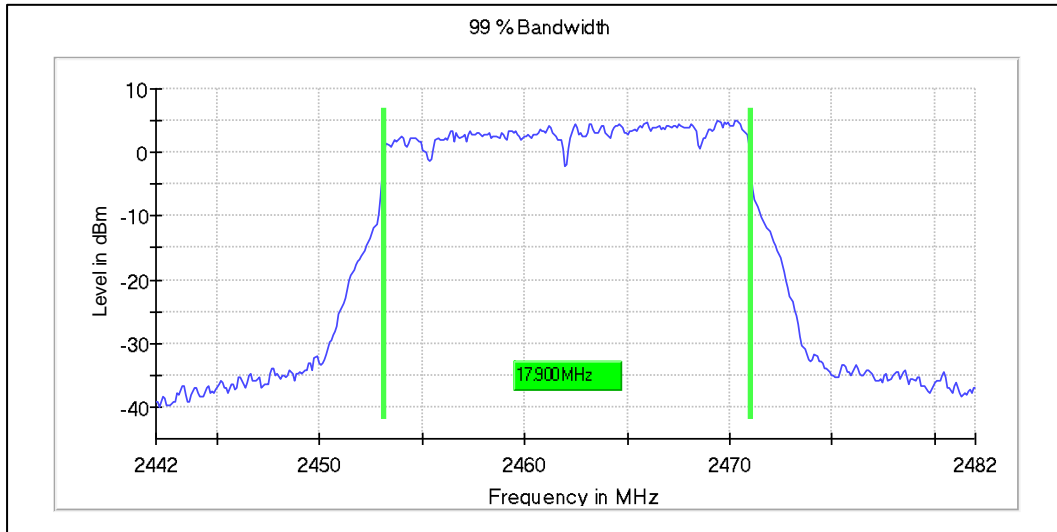
Data Rate: MCS8

Channel Frequency: 2412MHz



Data Rate: MCS8

Channel Frequency: 2437MHz



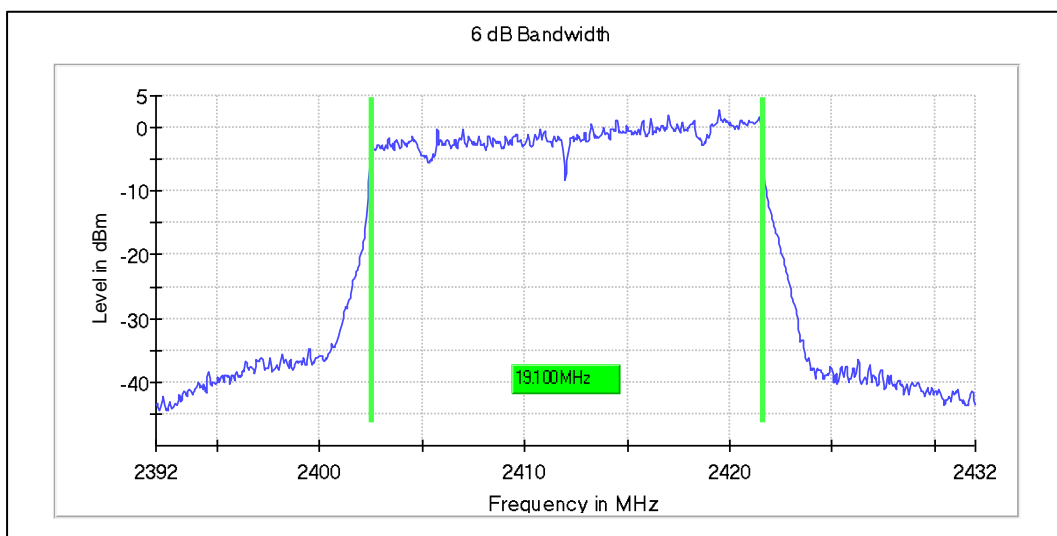
Data Rate: MCS8

Channel Frequency: 2462MHz

Modulation: 802.11ax_HE20

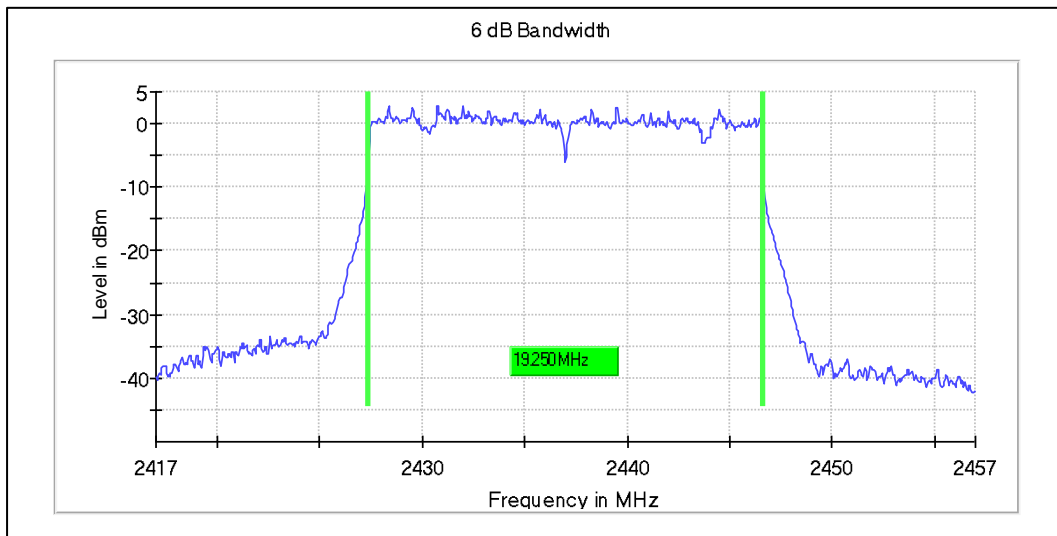
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2412	17.15	19.10	0.5
	2437	19.00	19.40	0.5
	2462	17.10	19.00	0.5
MCS11	2412	19.10	19.20	0.5
	2437	19.25	19.10	0.5
	2462	19.15	19.00	0.5

Graphs for 6 dB bandwidth measurement



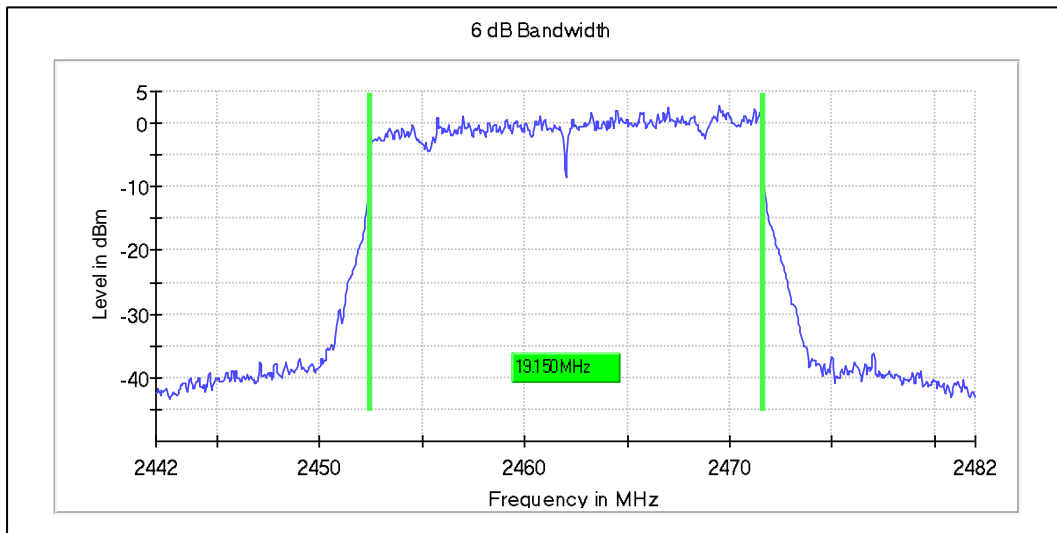
Data Rate: MCS11

Channel Frequency: 2412MHz



Data Rate: MCS11

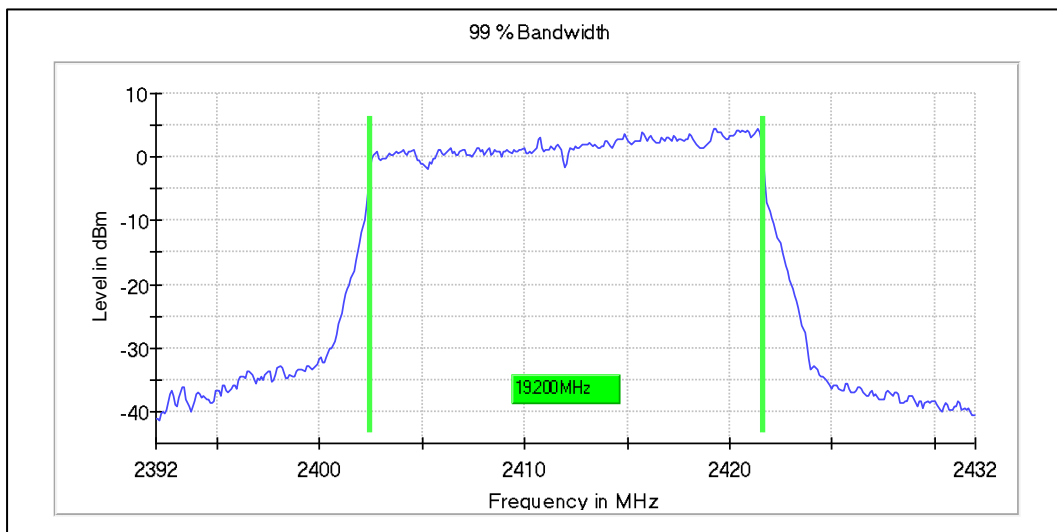
Channel Frequency: 2437MHz



Data Rate: MCS11

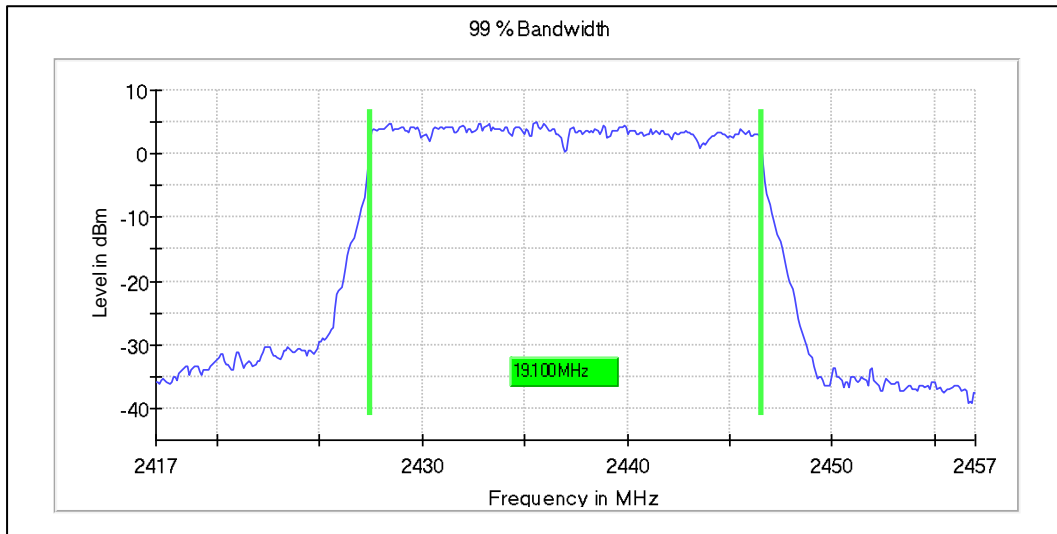
Channel Frequency: 2462MHz

Graphs for OCW 99 % bandwidth measurement



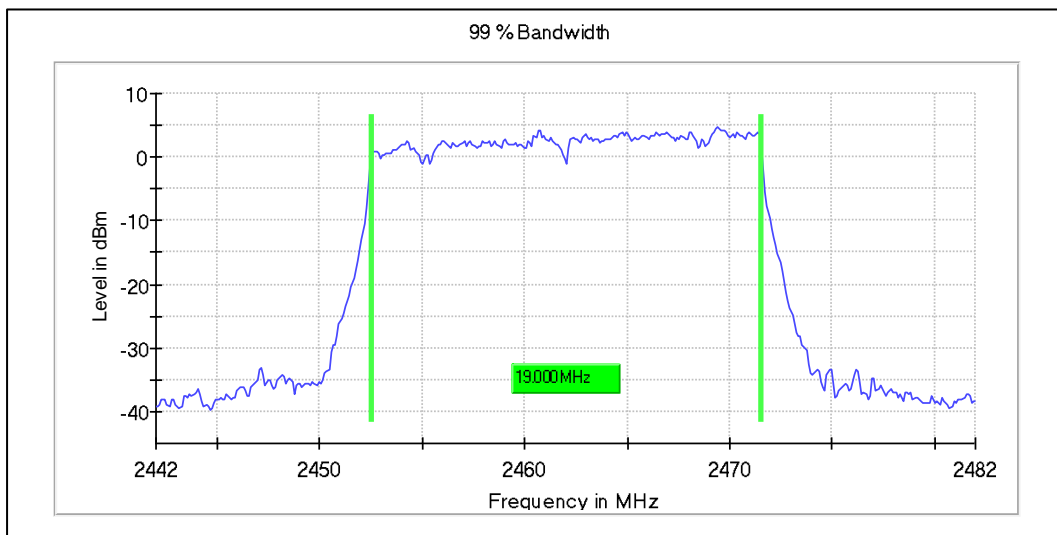
Data Rate: MCS11

Channel Frequency: 2412MHz



Data Rate: MCS11

Channel Frequency: 2437MHz



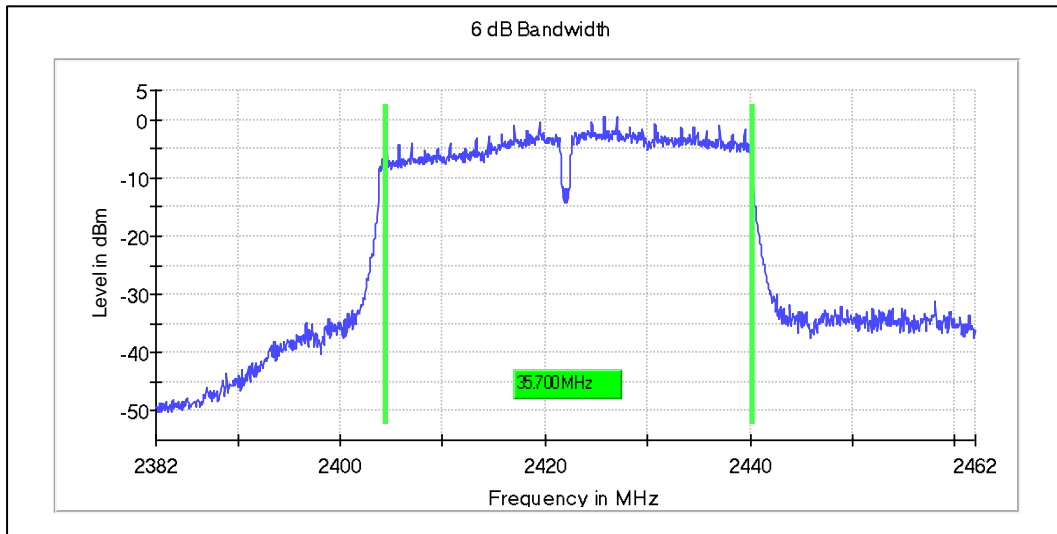
Data Rate: MCS11

Channel Frequency: 2462MHz

Modulation: 802.11n_HT40

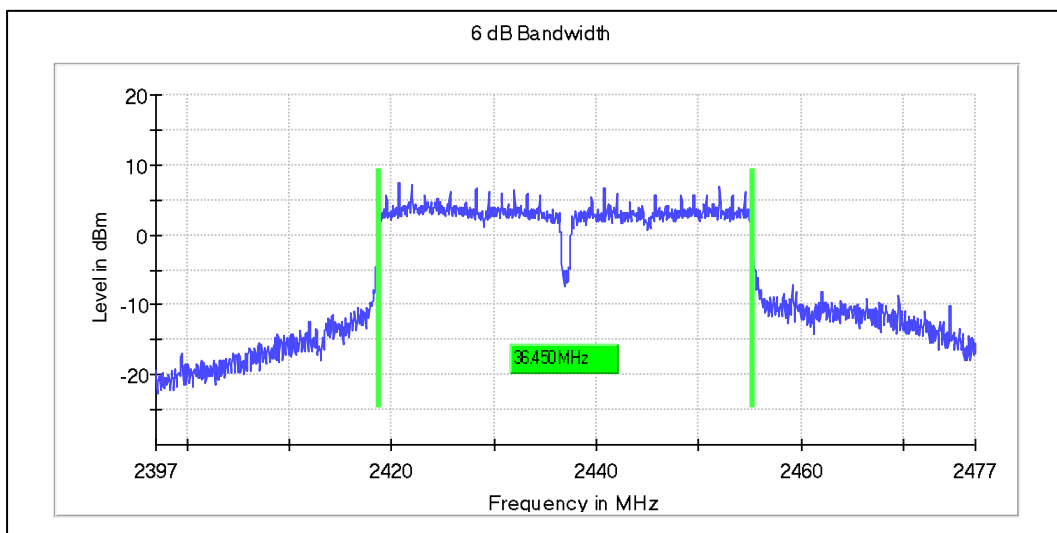
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2422	35.70	36.50	0.5
	2437	36.45	38.35	0.5
	2452	36.15	37.00	0.5
MCS7	2422	35.85	36.50	0.5
	2437	36.60	36.75	0.5
	2452	36.60	36.50	0.5

Graphs for 6 dB bandwidth measurement



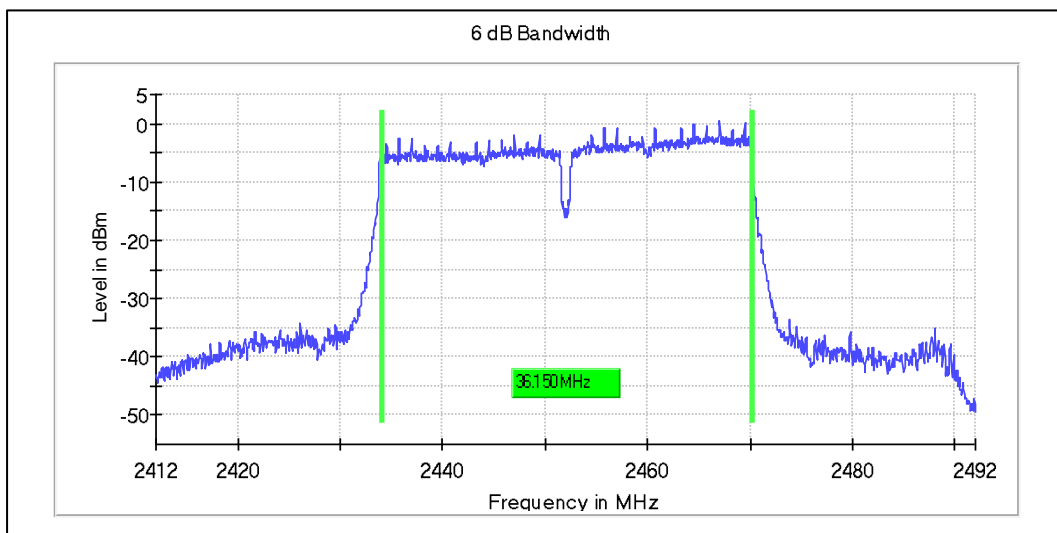
Data Rate: MCS0

Channel Frequency: 2422MHz



Data Rate: MCS0

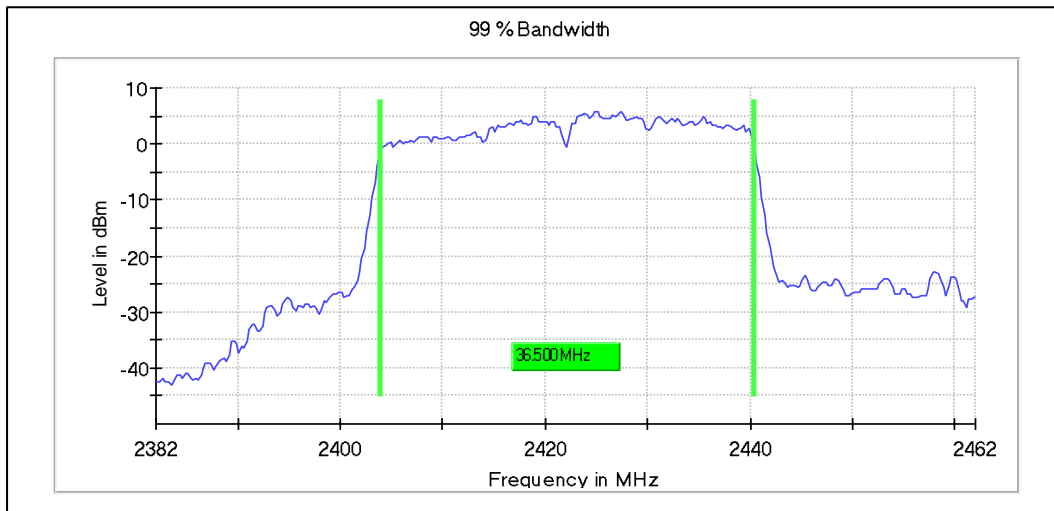
Channel Frequency: 2437MHz



Data Rate: MCS0

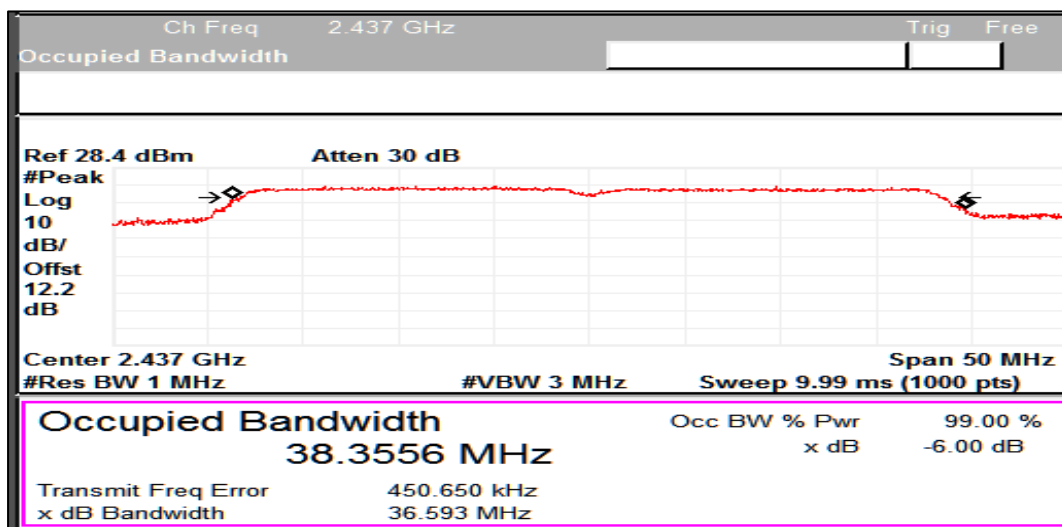
Channel Frequency: 2452MHz

Graphs for OCW 99 % bandwidth measurement



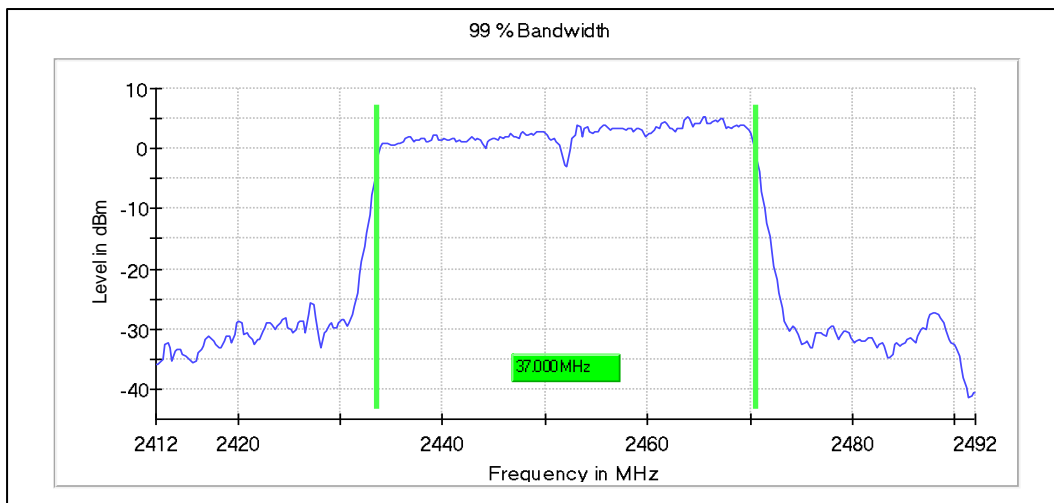
Data Rate: MCS0

Channel Frequency: 2422MHz



Data Rate: MCS0

Channel Frequency: 2437MHz



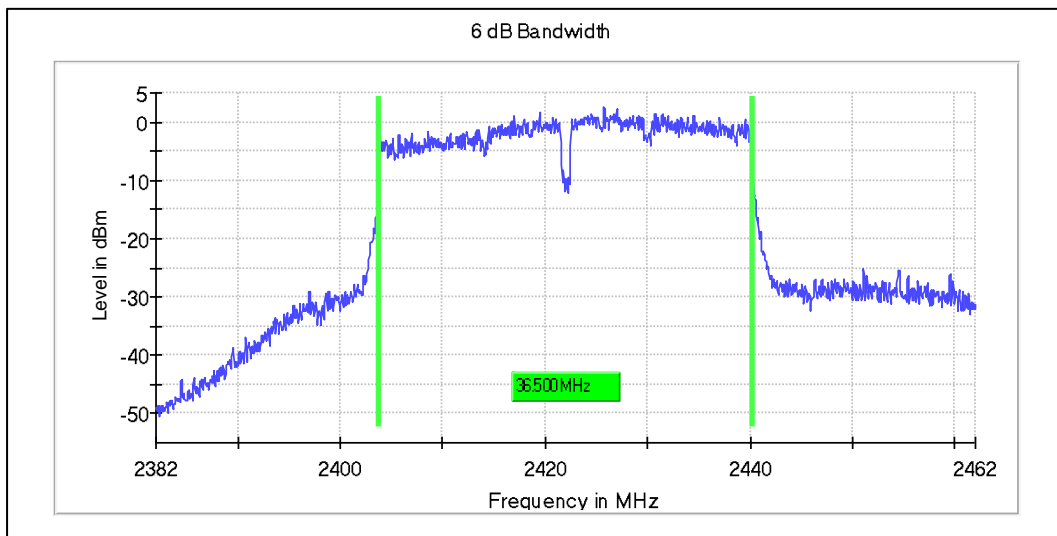
Data Rate: MCS0

Channel Frequency: 2452MHz

Modulation: 802.11ac_VHT40

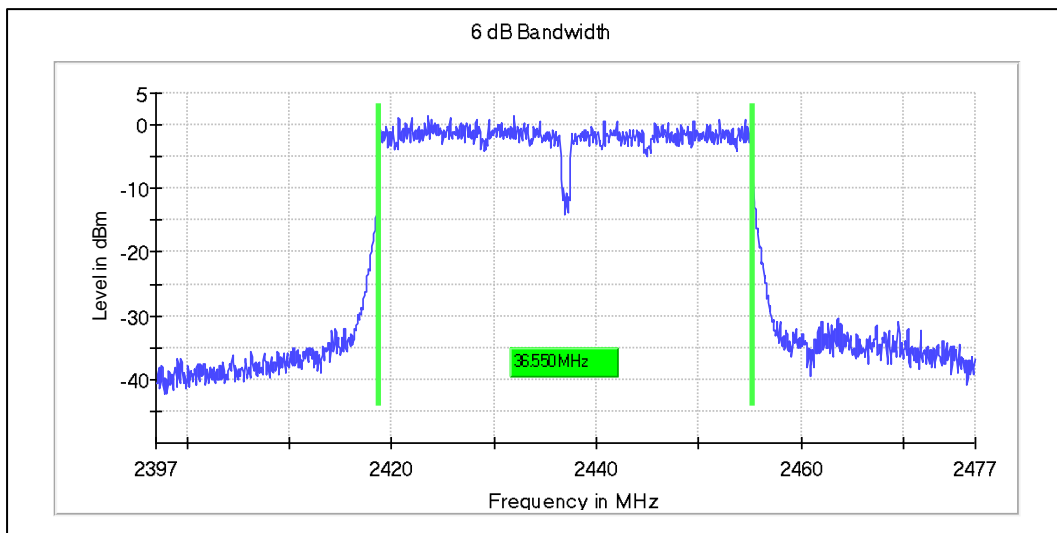
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2422	35.80	36.50	0.5
	2437	36.83	38.13	0.5
	2452	36.20	36.75	0.5
MCS8	2422	36.50	36.50	0.5
	2437	36.55	36.75	0.5
	2452	36.55	36.75	0.5

Graphs for 6 dB bandwidth measurement



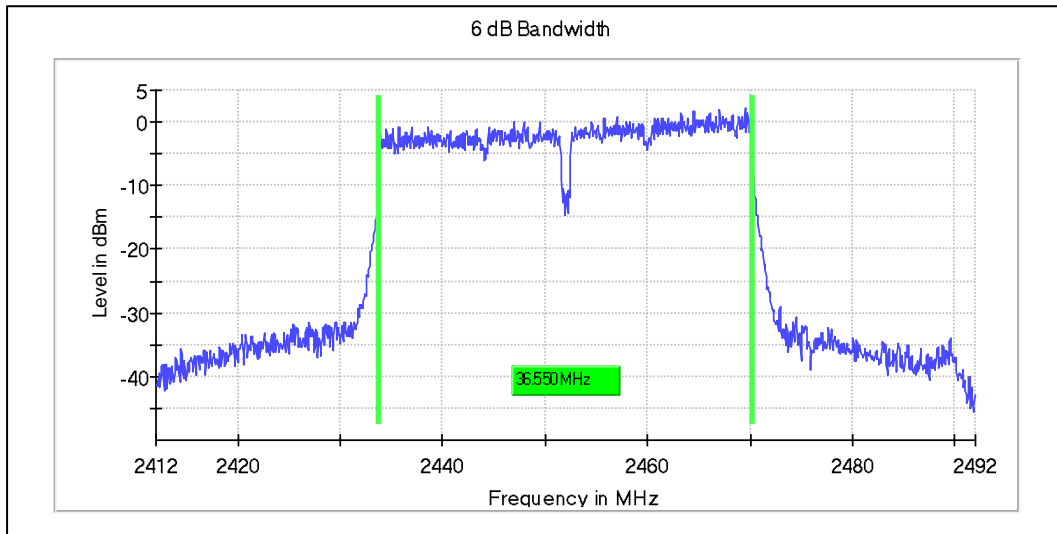
Data Rate: MCS8

Channel Frequency: 2422MHz



Data Rate: MCS8

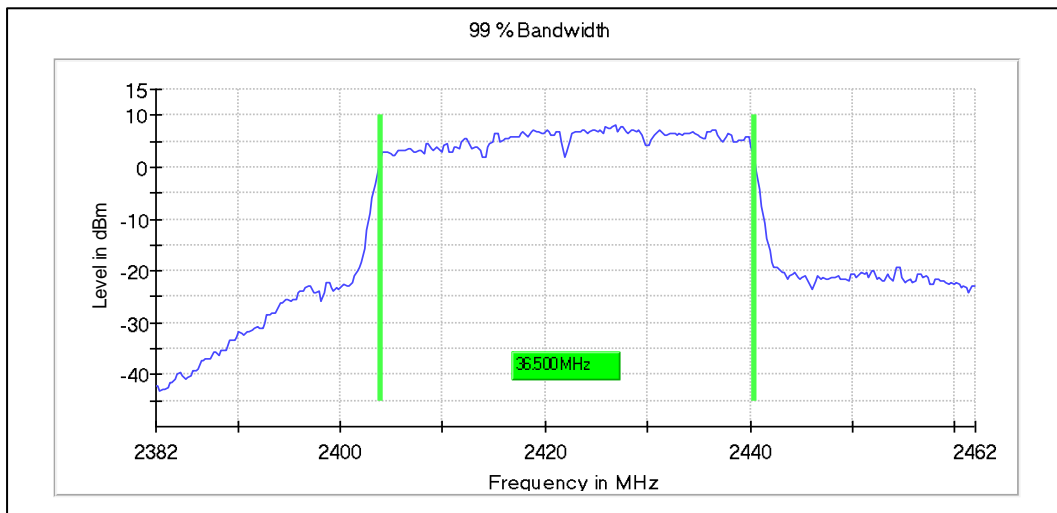
Channel Frequency: 2437MHz



Data Rate: MCS8

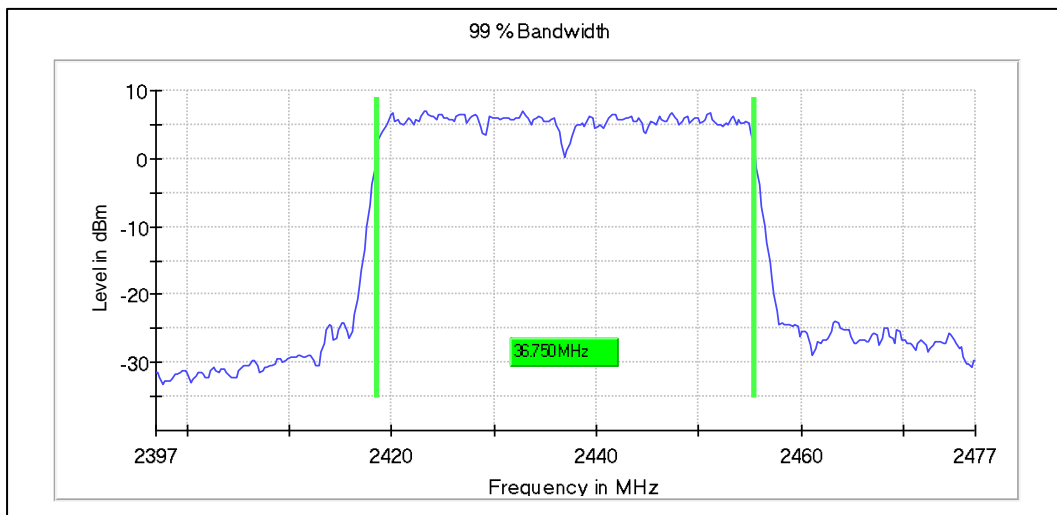
Channel Frequency: 2452MHz

Graphs for OCW 99 % bandwidth measurement



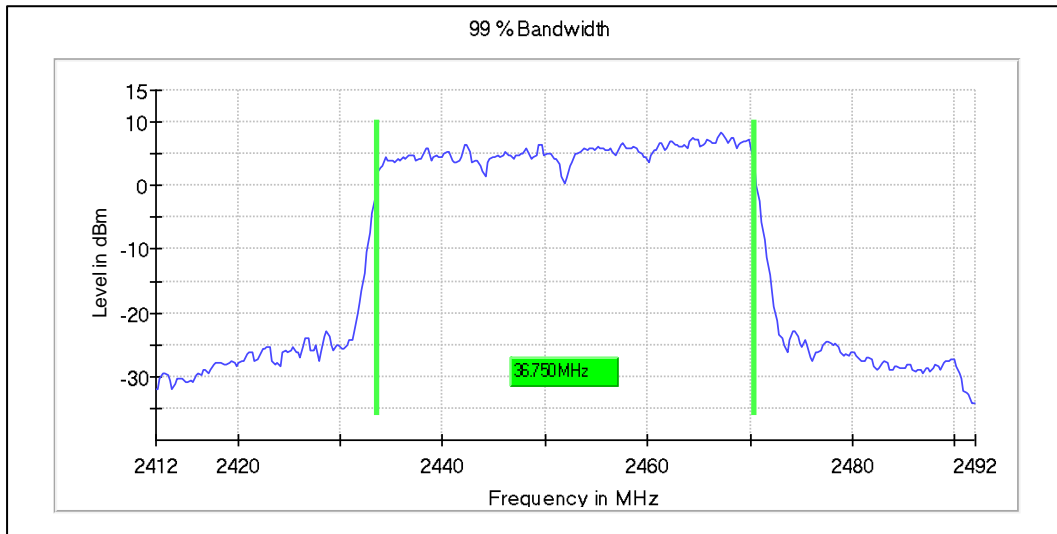
Data Rate: MCS8

Channel Frequency: 2422MHz



Data Rate: MCS8

Channel Frequency: 2437MHz



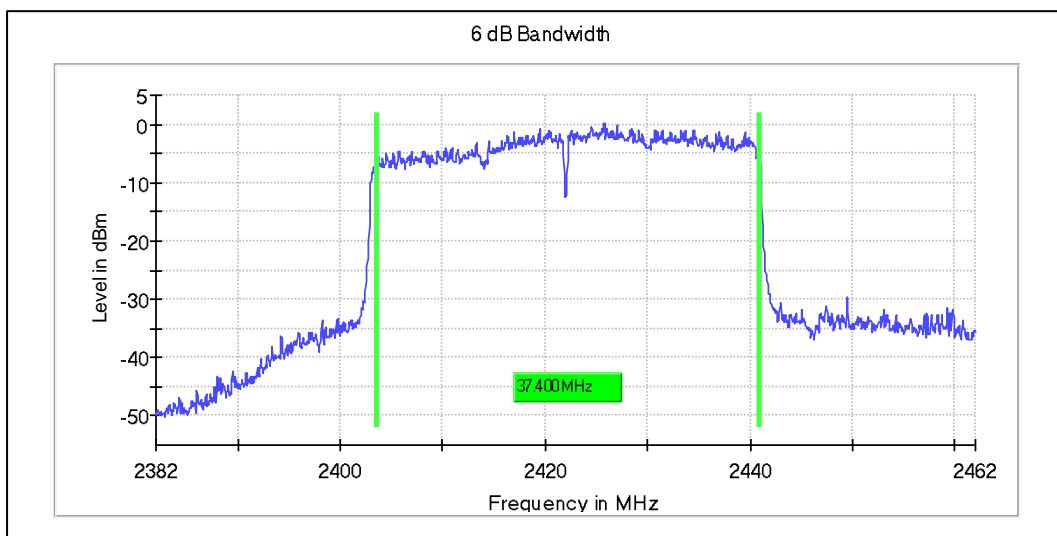
Data Rate: MCS8

Channel Frequency: 2452MHz

Modulation: 802.11ax_HE40

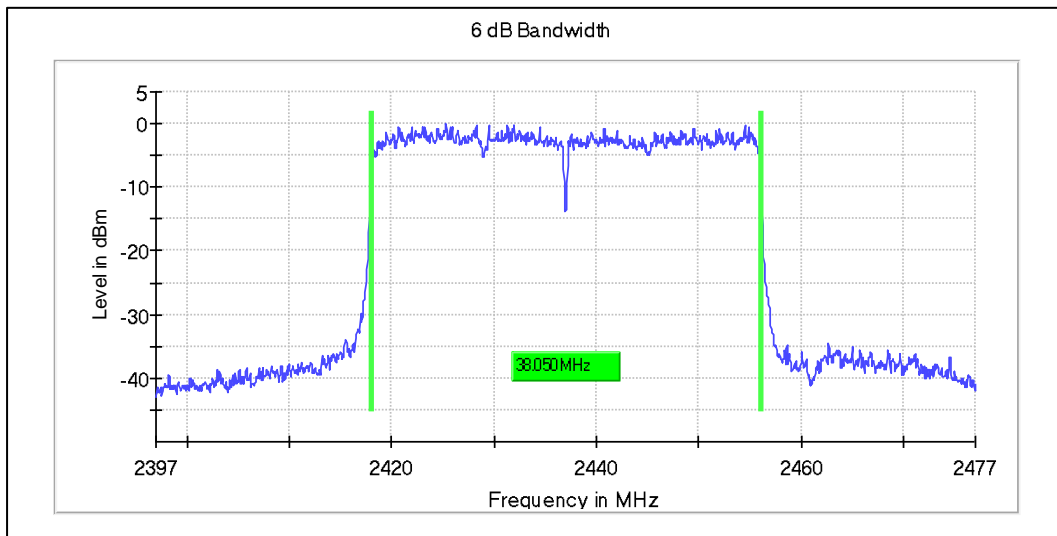
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2422	36.50	37.50	0.5
	2437	37.84	38.84	0.5
	2452	37.90	38.00	0.5
MCS11	2422	37.40	37.50	0.5
	2437	38.05	37.75	0.5
	2452	37.90	37.75	0.5

Graphs for 6 dB bandwidth measurement



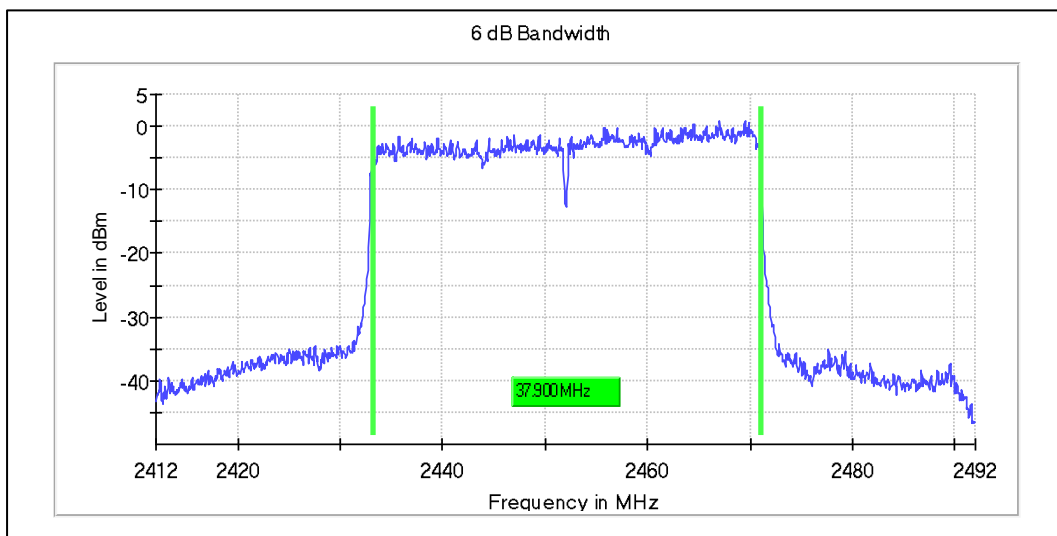
Data Rate: MCS11

Channel Frequency: 2422MHz



Data Rate: MCS11

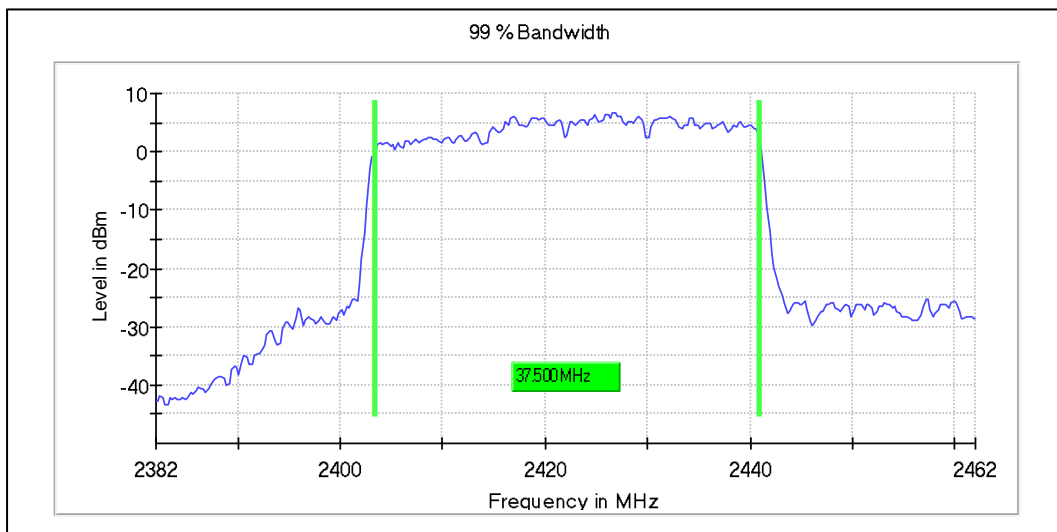
Channel Frequency: 2437MHz



Data Rate: MCS11

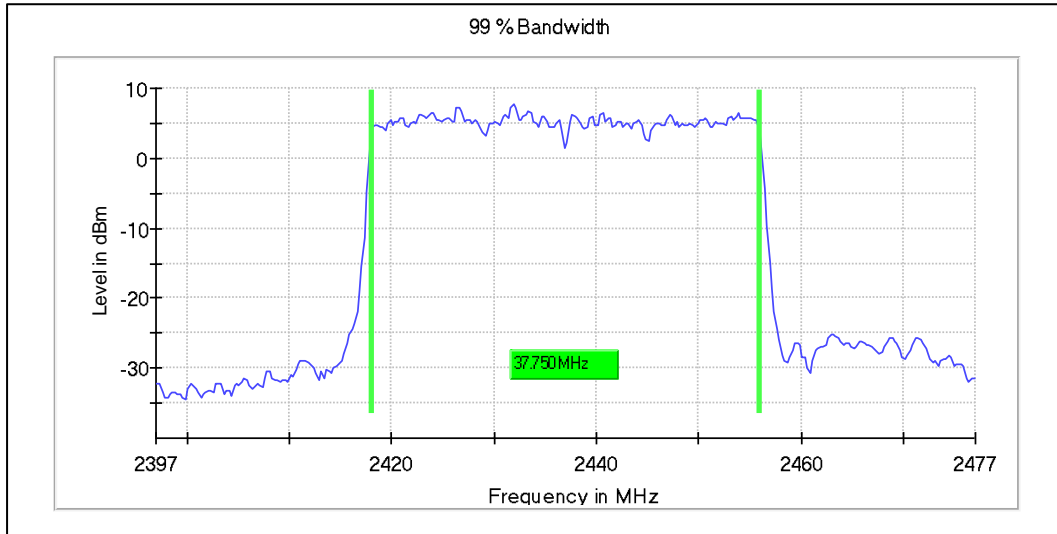
Channel Frequency: 2452MHz

Graphs for OCW 99 % bandwidth measurement



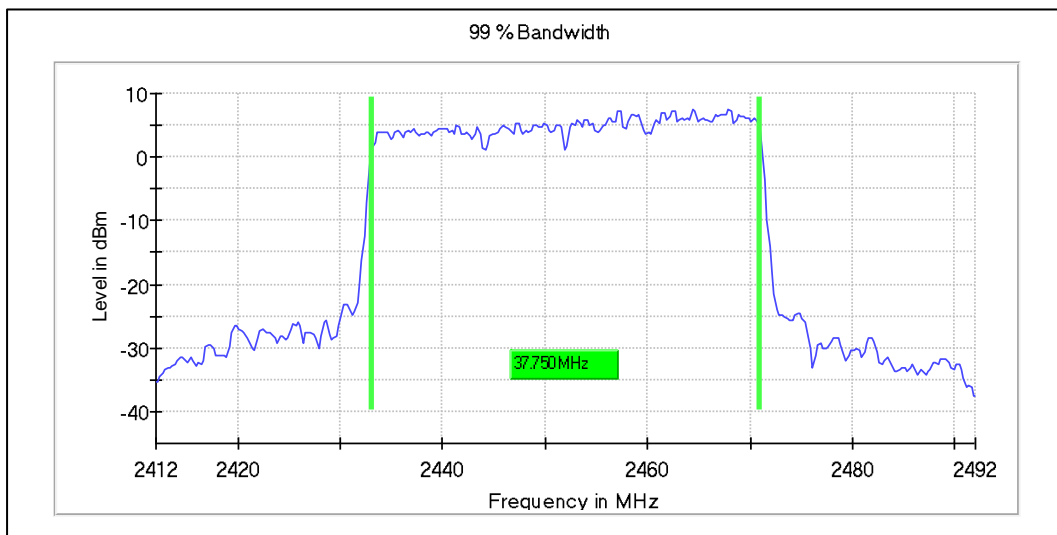
Data Rate: MCS11

Channel Frequency: 2422MHz



Data Rate: MCS11

Channel Frequency: 2437MHz



Data Rate: MCS11

Channel Frequency: 2452MHz

Antenna Type: FPA3020-10A (PCB/Flex) MIMO Antenna Results

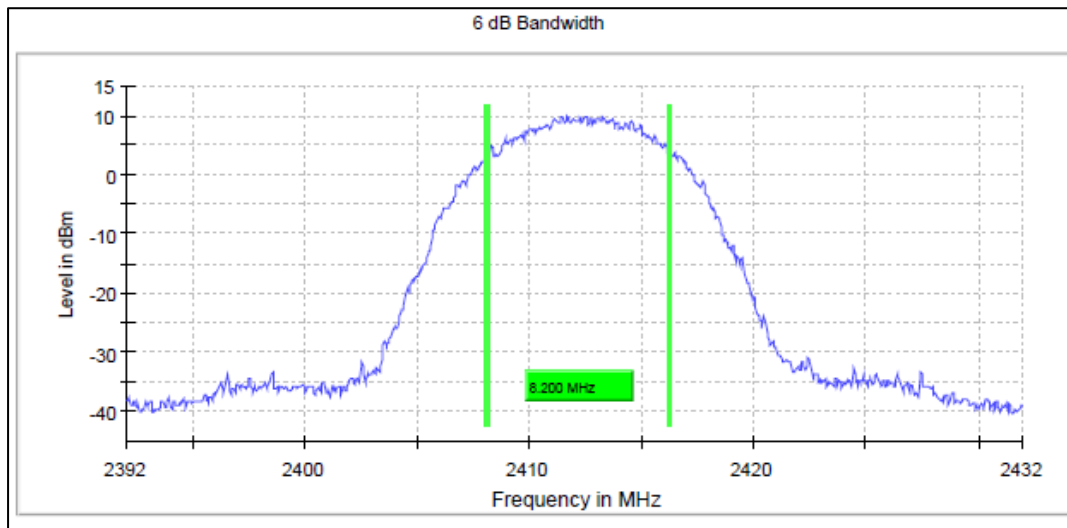
Note:

1. All the losses are included during measurement and final values are mentioned in the test report.
2. Total Average PSD (dBm) = Measured Average PSD (dBm) + Attenuator factor (10dB) + Cable loss (0.4dB)
3. This product do not support additional beamforming gain / directional gain, it uses signal antenna and hence directional gain of the single antenna is 4.23 dBi

Modulation: 802.11b

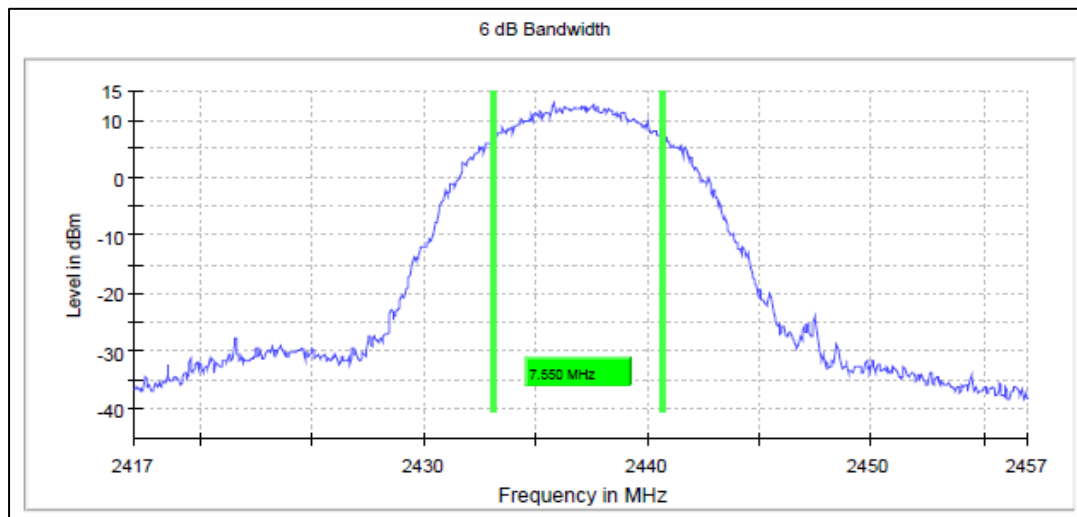
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
1Mbps	2412	7.65	11.30	0.5
	2437	7.65	11.70	0.5
	2462	7.65	11.10	0.5
11Mbps	2412	8.20	11.30	0.5
	2437	7.55	11.40	0.5
	2462	6.95	11.20	0.5

Graphs for 6 dB bandwidth measurement



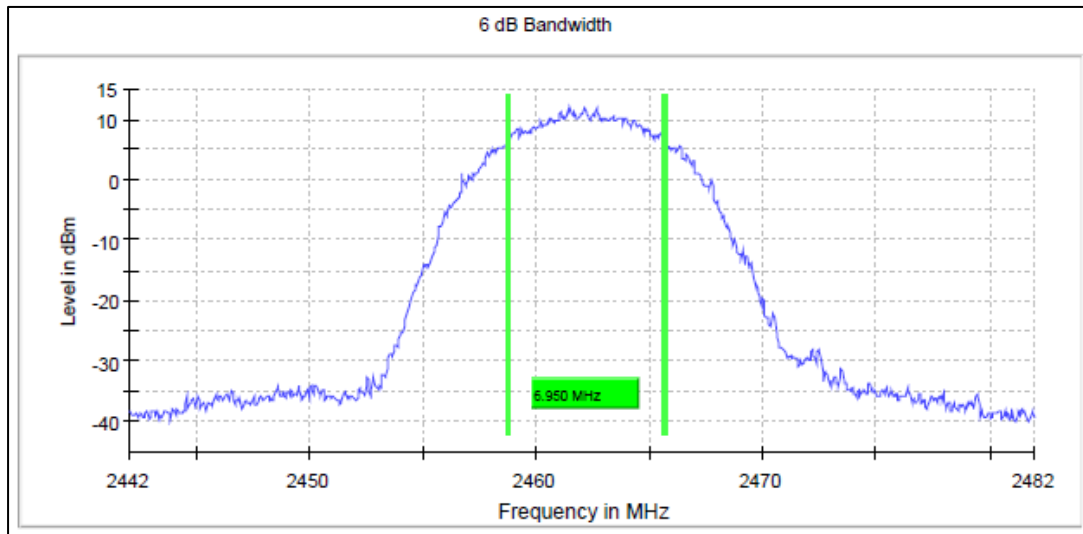
Data Rate: 11Mbps

Channel Frequency: 2412MHz



Data Rate: 11Mbps

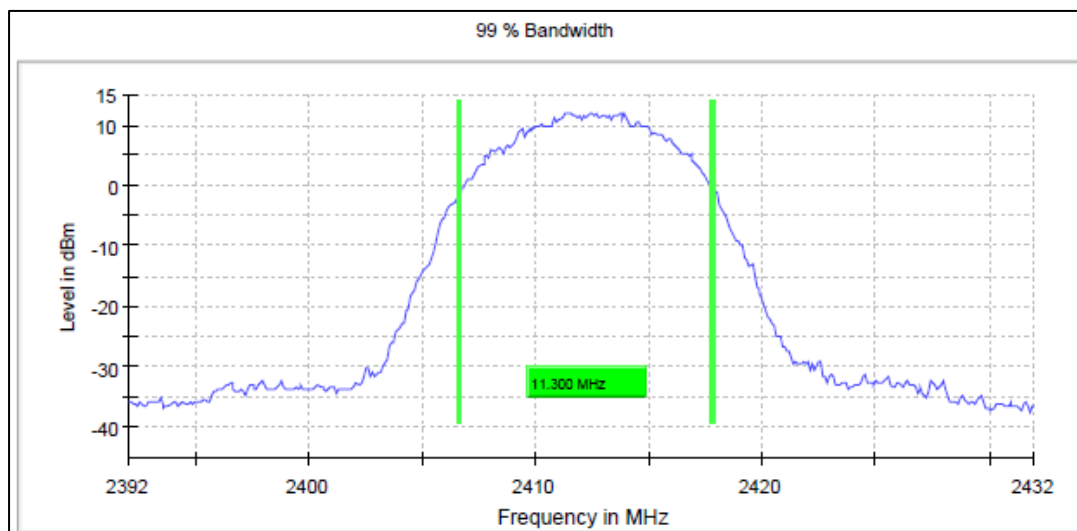
Channel Frequency: 2437MHz



Data Rate: 11Mbps

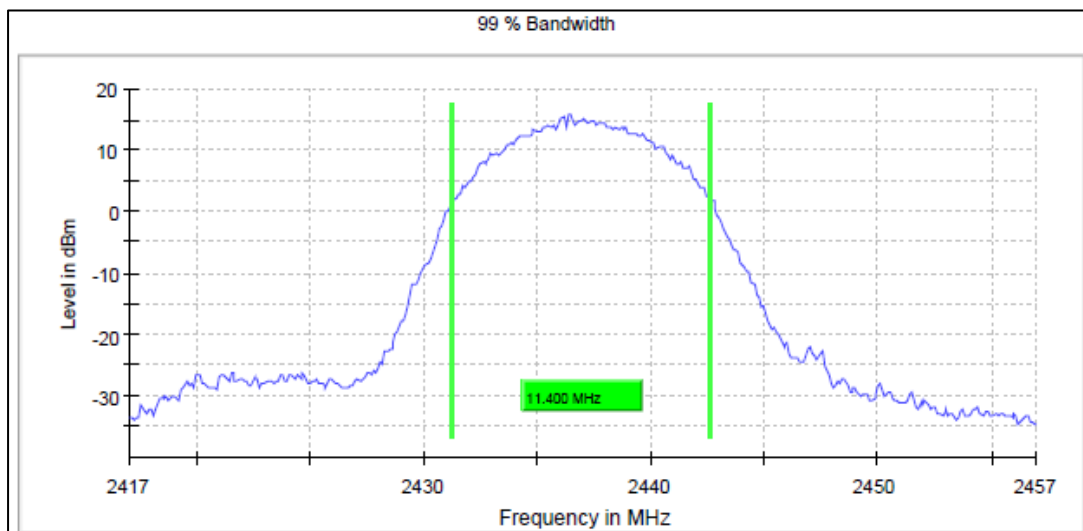
Channel Frequency: 2462MHz

Graphs for OCW 99 % bandwidth measurement



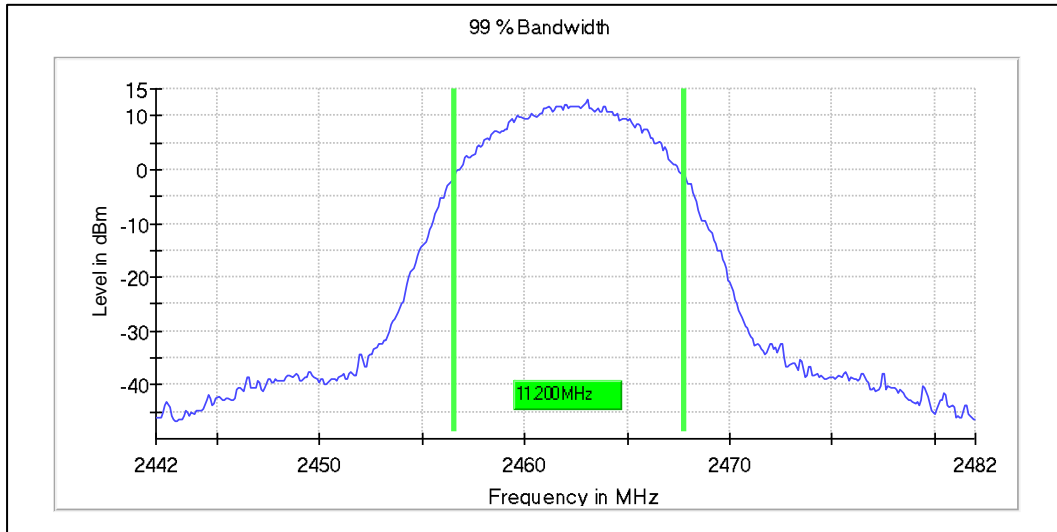
Data Rate: 11Mbps

Channel Frequency: 2412MHz



Data Rate: 11Mbps

Channel Frequency: 2437MHz



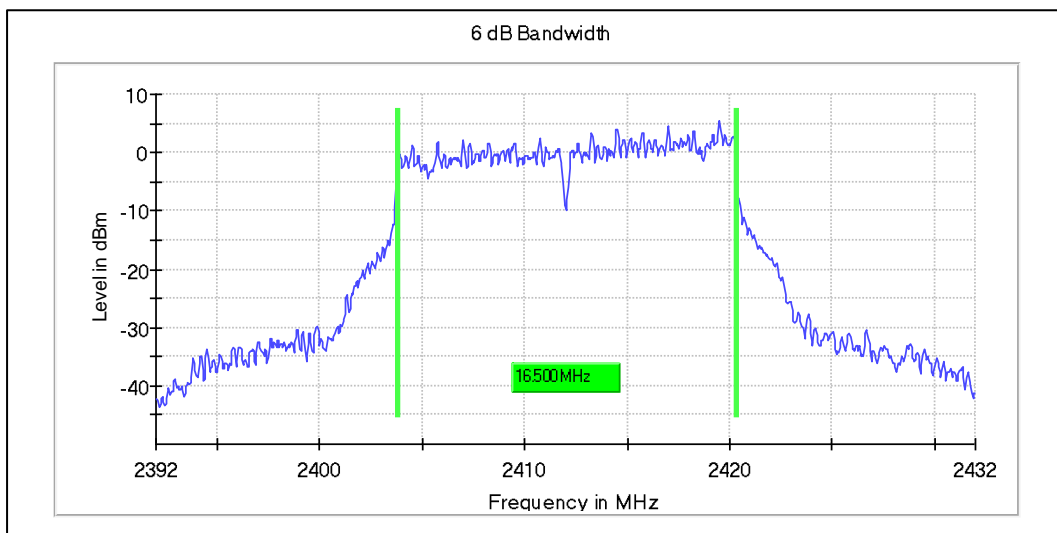
Data Rate: 11Mbps

Channel Frequency: 2462MHz

Modulation: 802.11g

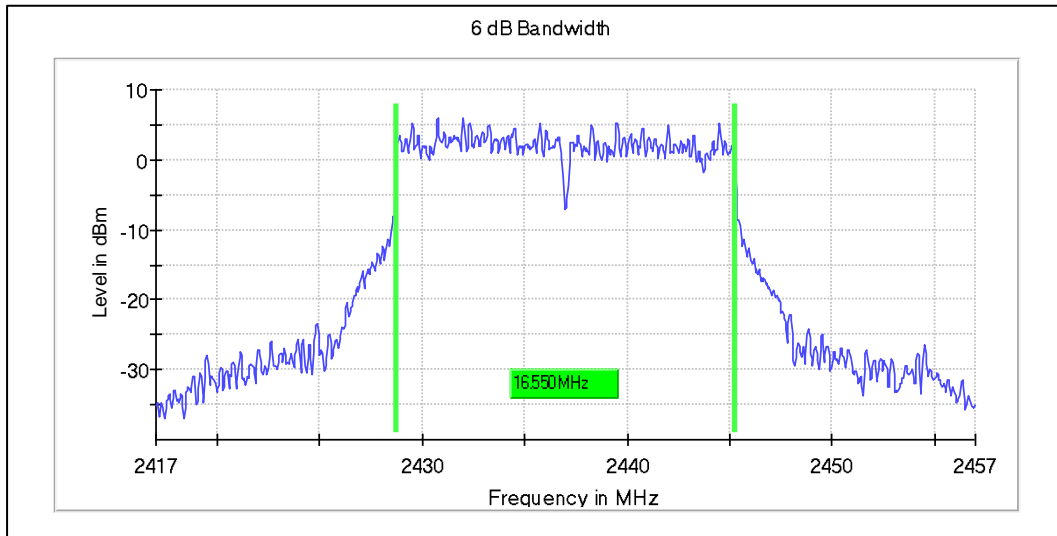
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
6Mbps	2412	15.80	17.00	0.5
	2437	16.40	18.80	0.5
	2462	16.15	16.80	0.5
54Mbps	2412	16.50	16.90	0.5
	2437	16.55	16.70	0.5
	2462	16.55	16.70	0.5

Graphs for 6 dB bandwidth measurement



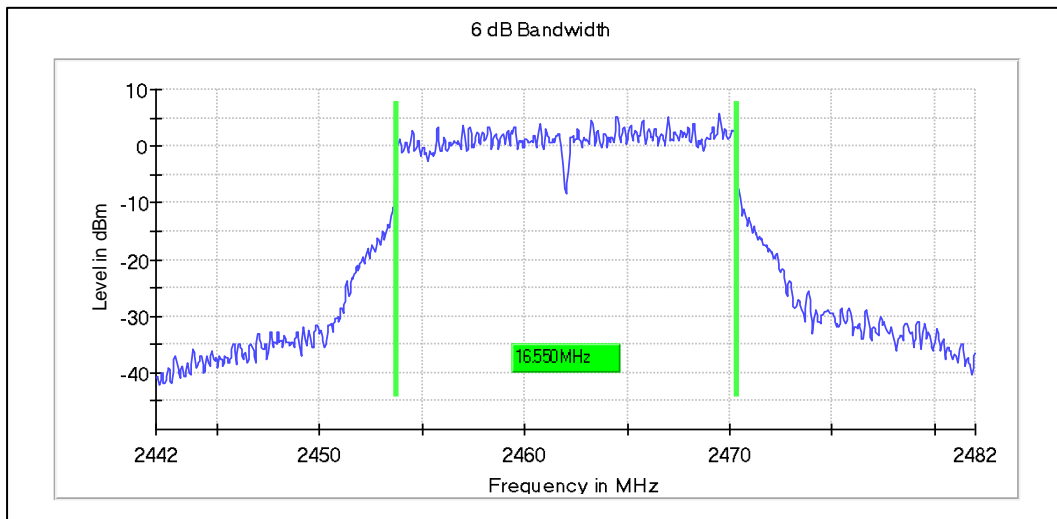
Data Rate: 54Mbps

Channel Frequency: 2412MHz



Data Rate: 54Mbps

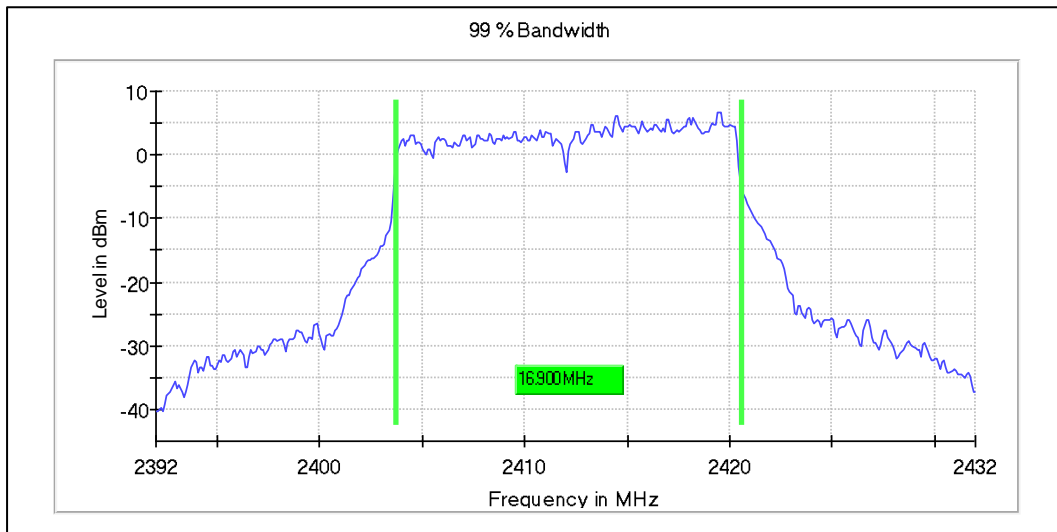
Channel Frequency: 2437MHz



Data Rate: 54Mbps

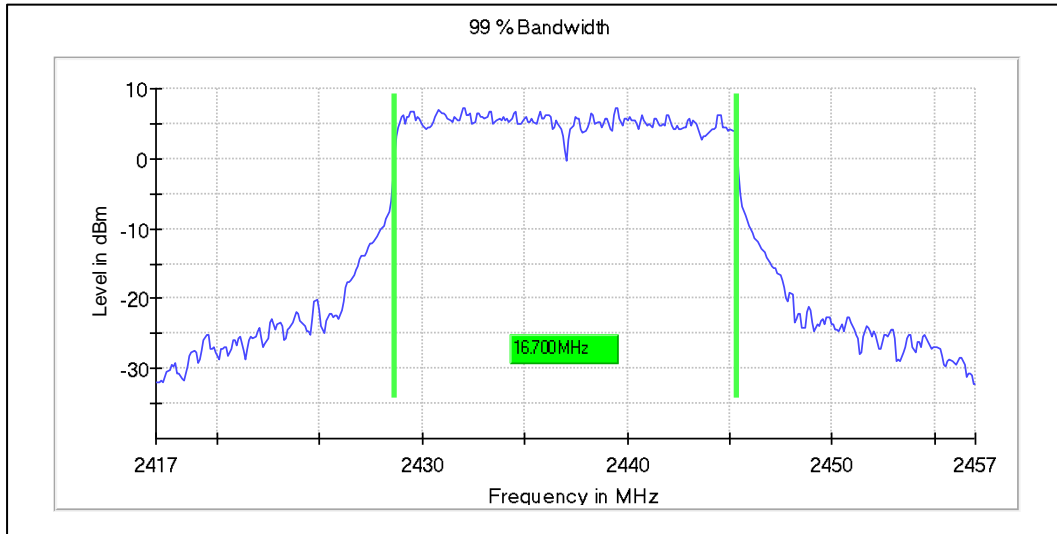
Channel Frequency: 2462MHz

Graphs for OCW 99 % bandwidth measurement



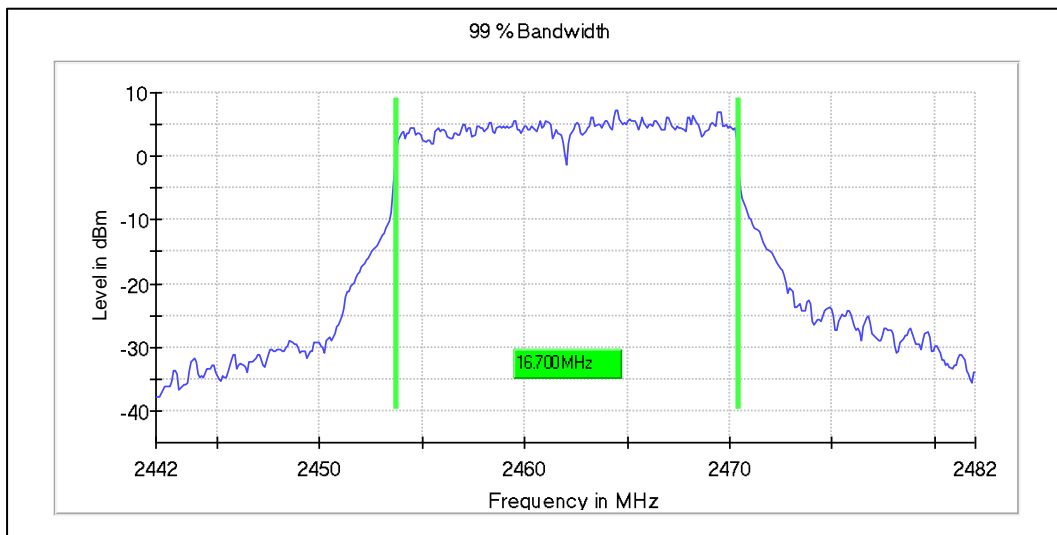
Data Rate: 54Mbps

Channel Frequency: 2412MHz



Data Rate: 54Mbps

Channel Frequency: 2437MHz



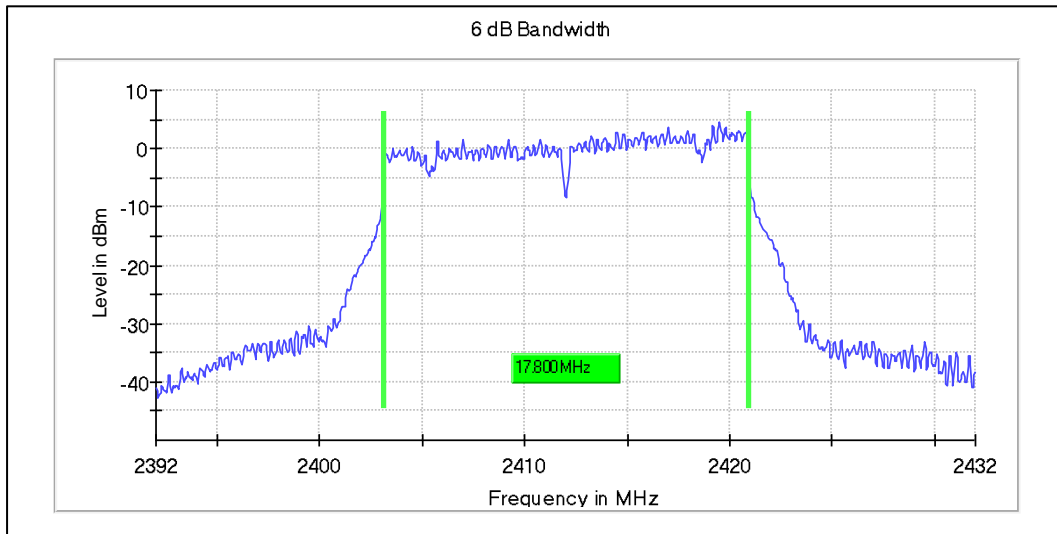
Data Rate: 54Mbps

Channel Frequency: 2462MHz

Modulation: 802.11n_HT20

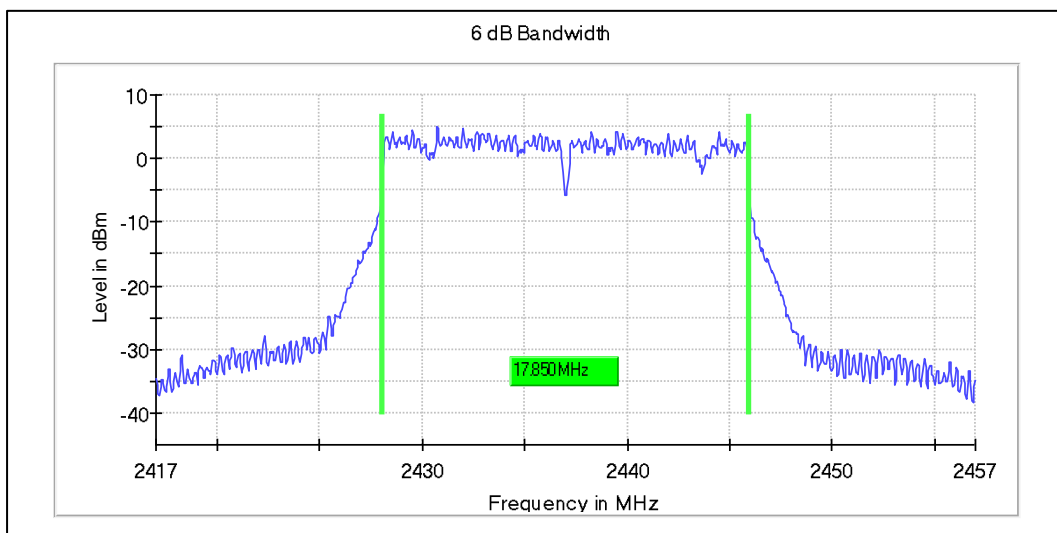
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2412	16.40	18.30	0.5
	2437	17.65	19.80	0.5
	2462	16.65	17.90	0.5
MCS7	2412	17.80	17.90	0.5
	2437	17.85	17.90	0.5
	2462	17.80	17.80	0.5

Graphs for 6 dB bandwidth measurement



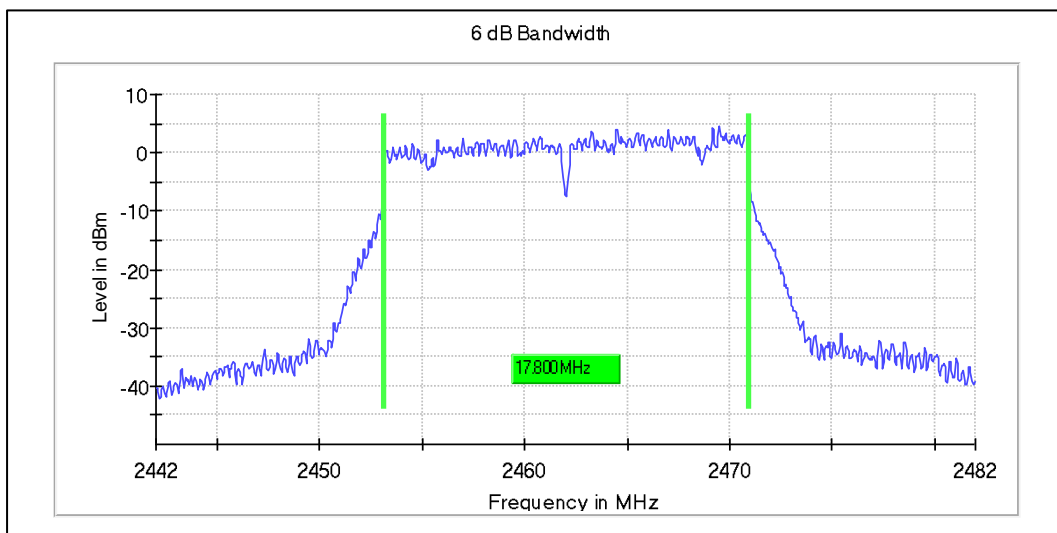
Data Rate: MCS7

Channel Frequency: 2412MHz



Data Rate: MCS7

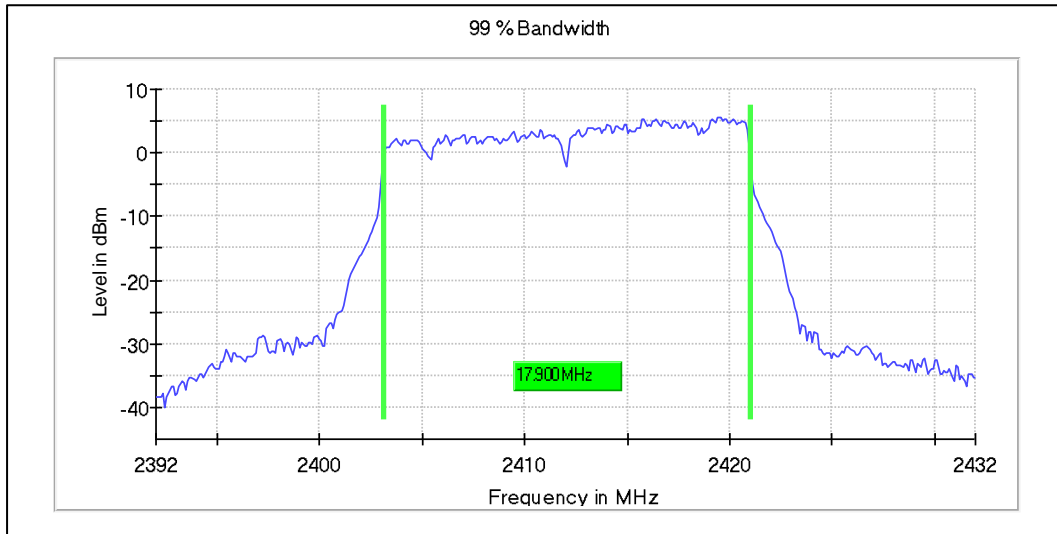
Channel Frequency: 2437MHz



Data Rate: MCS7

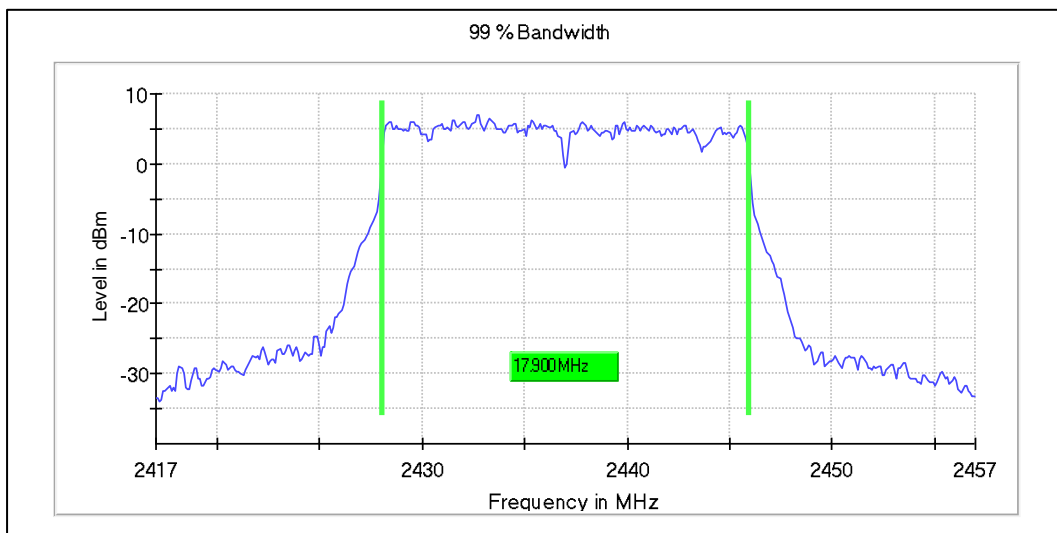
Channel Frequency: 2462MHz

Graphs for OCW 99 % bandwidth measurement



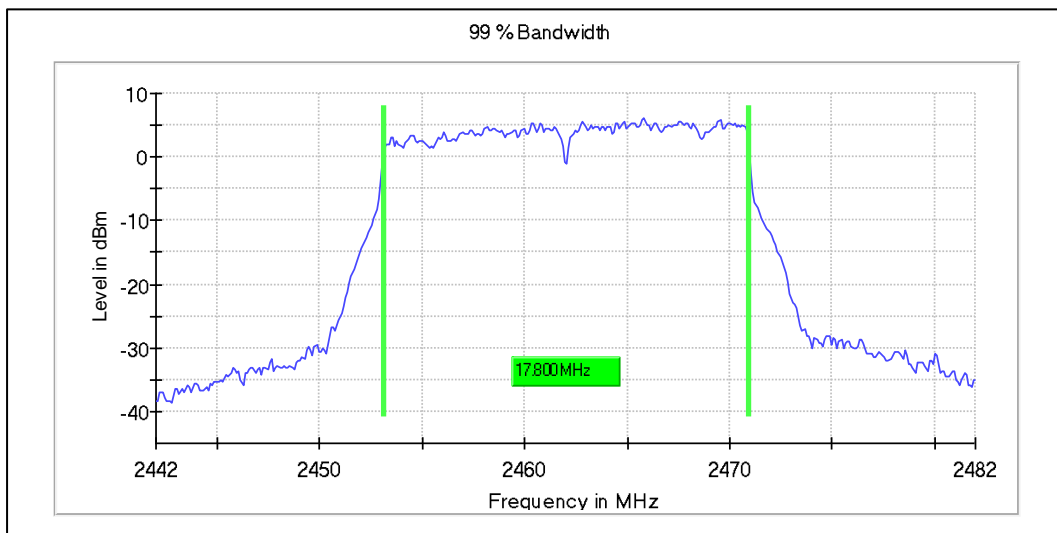
Data Rate: MCS7

Channel Frequency: 2412MHz



Data Rate: MCS7

Channel Frequency: 2437MHz



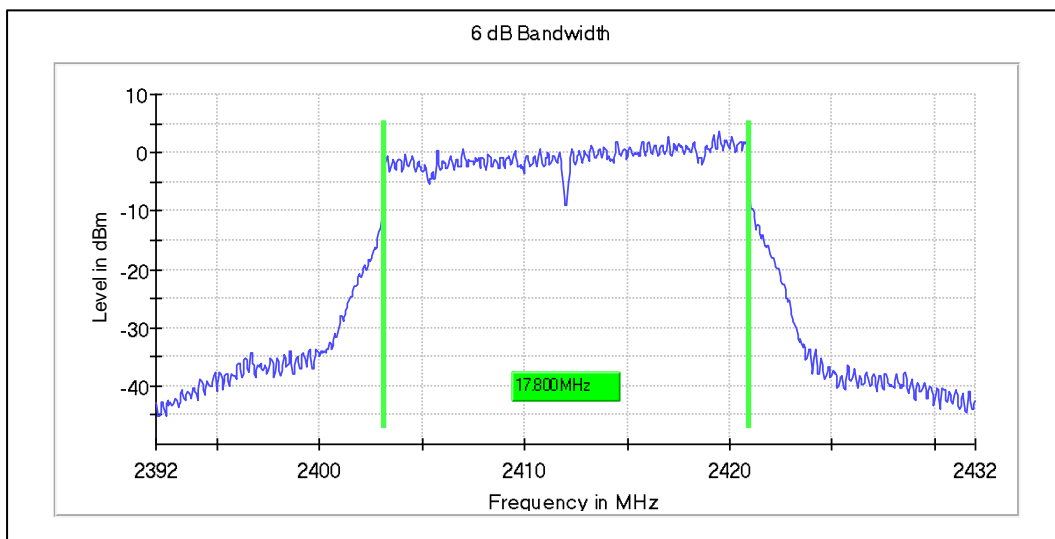
Data Rate: MCS7

Channel Frequency: 2462MHz

Modulation: 802.11ac_VHT20

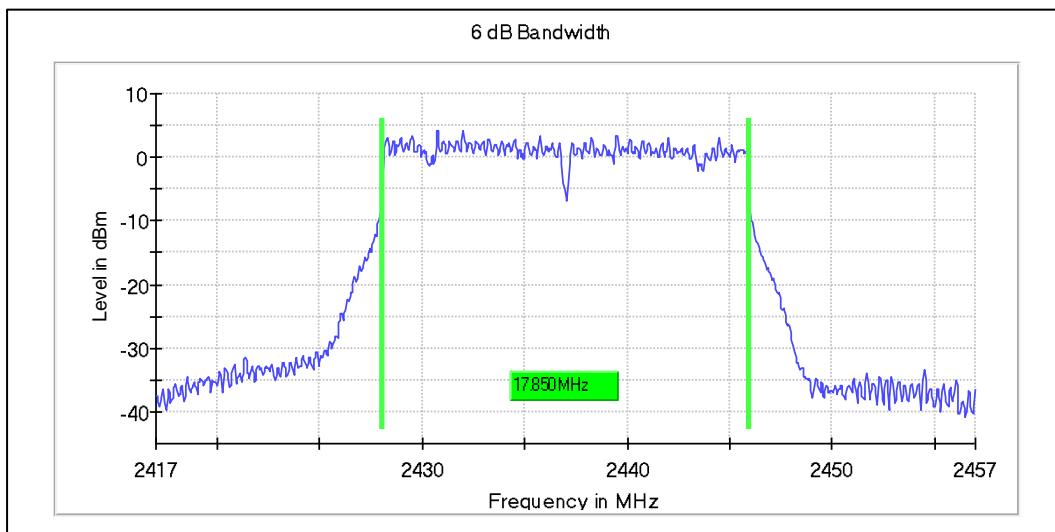
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2412	16.40	18.20	0.5
	2437	17.65	19.70	0.5
	2462	16.45	18.00	0.5
MCS8	2412	17.80	17.90	0.5
	2437	17.85	17.90	0.5
	2462	17.80	17.90	0.5

Graphs for 6 dB bandwidth measurement



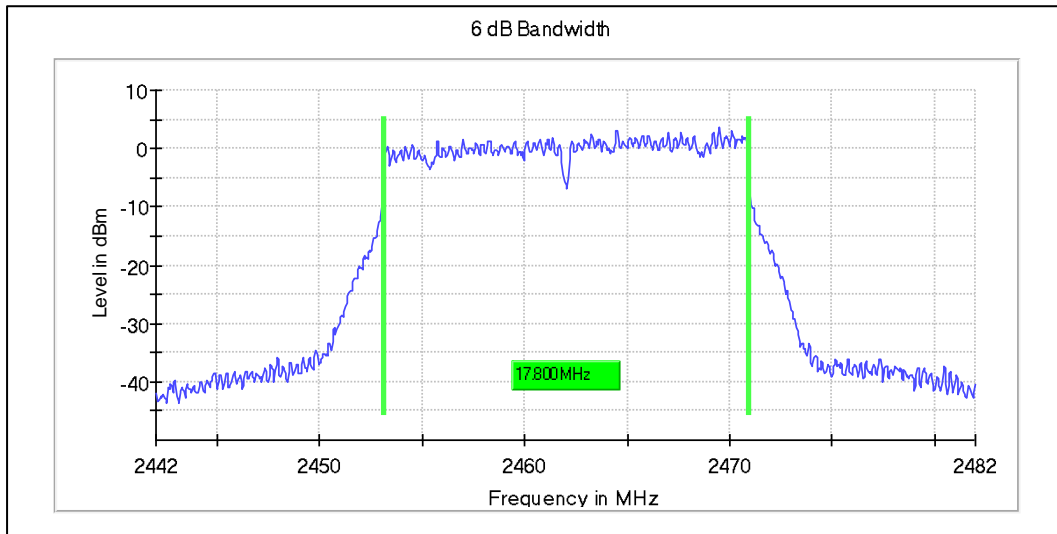
Data Rate: MCS8

Channel Frequency: 2412MHz



Data Rate: MCS8

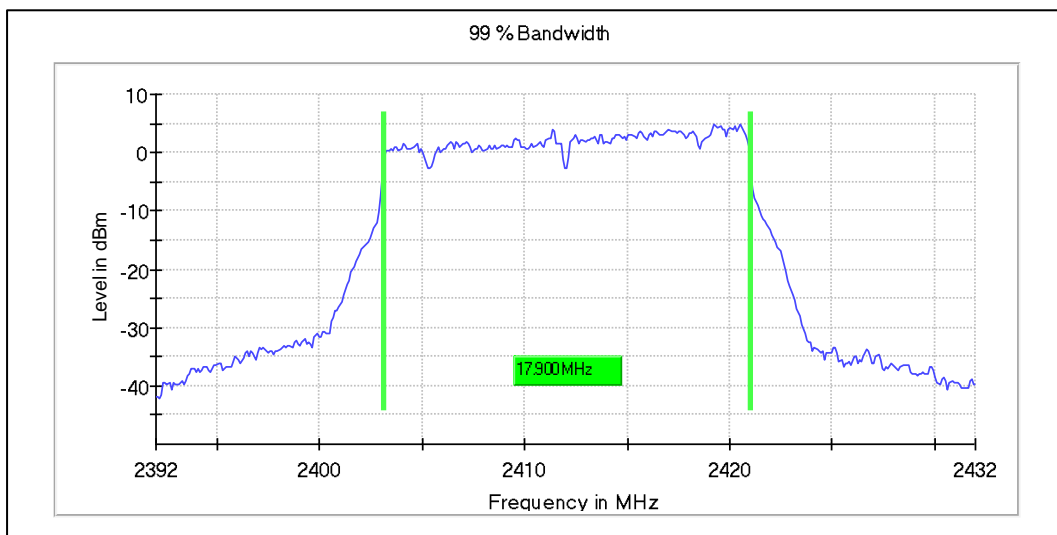
Channel Frequency: 2437MHz



Data Rate: MCS8

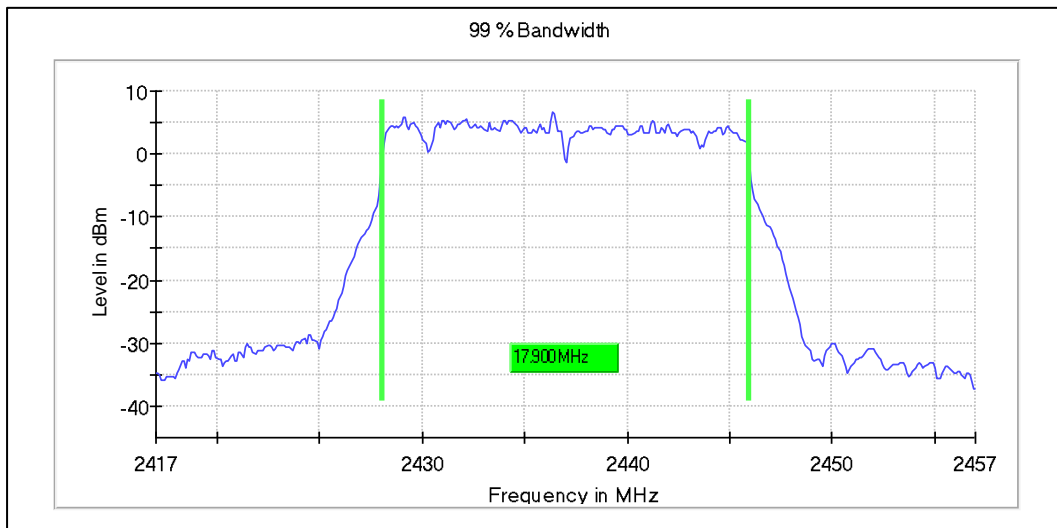
Channel Frequency: 2462MHz

Graphs for OCW 99 % bandwidth measurement



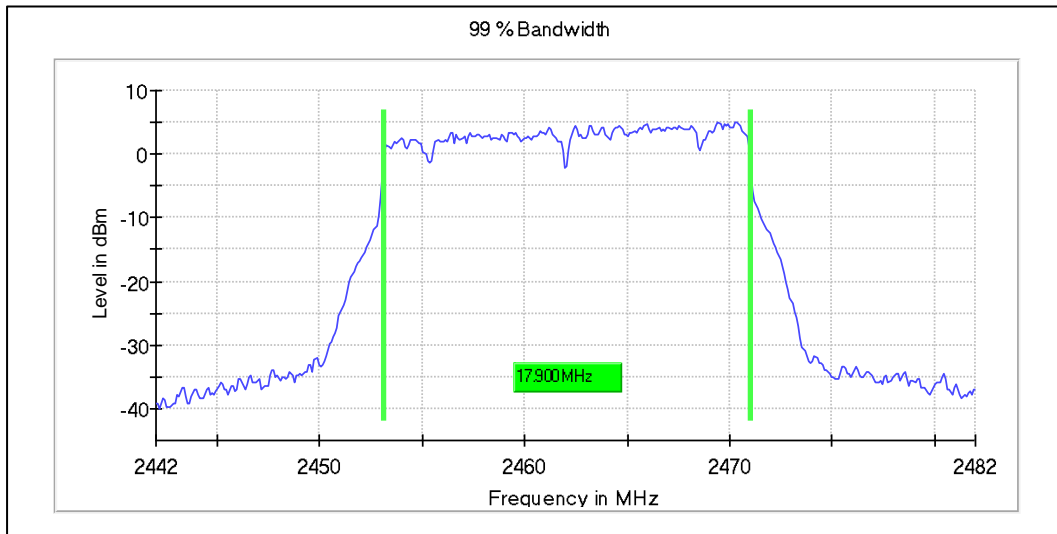
Data Rate: MCS8

Channel Frequency: 2412MHz



Data Rate: MCS8

Channel Frequency: 2437MHz



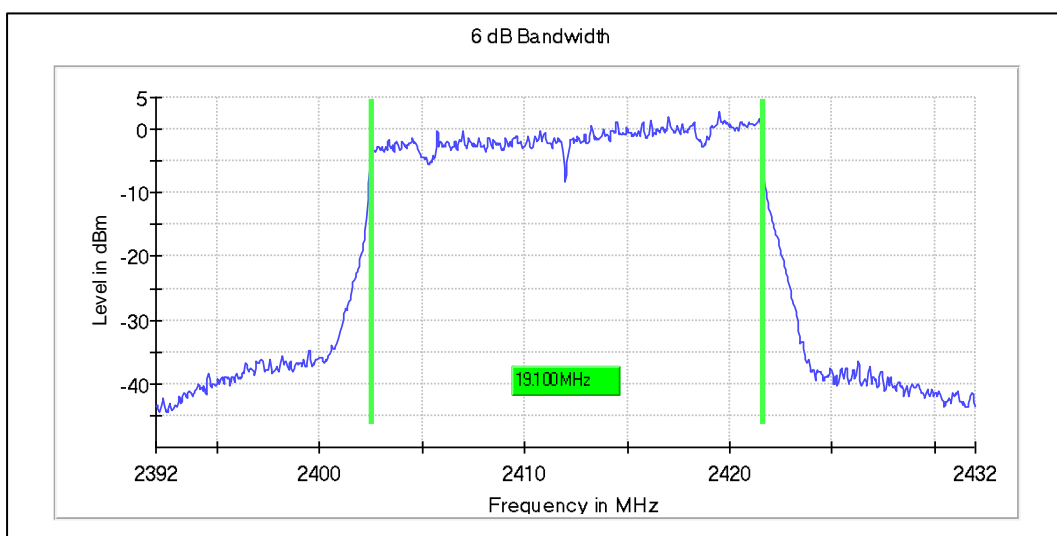
Data Rate: MCS8

Channel Frequency: 2462MHz

Modulation: 802.11ax_HE20

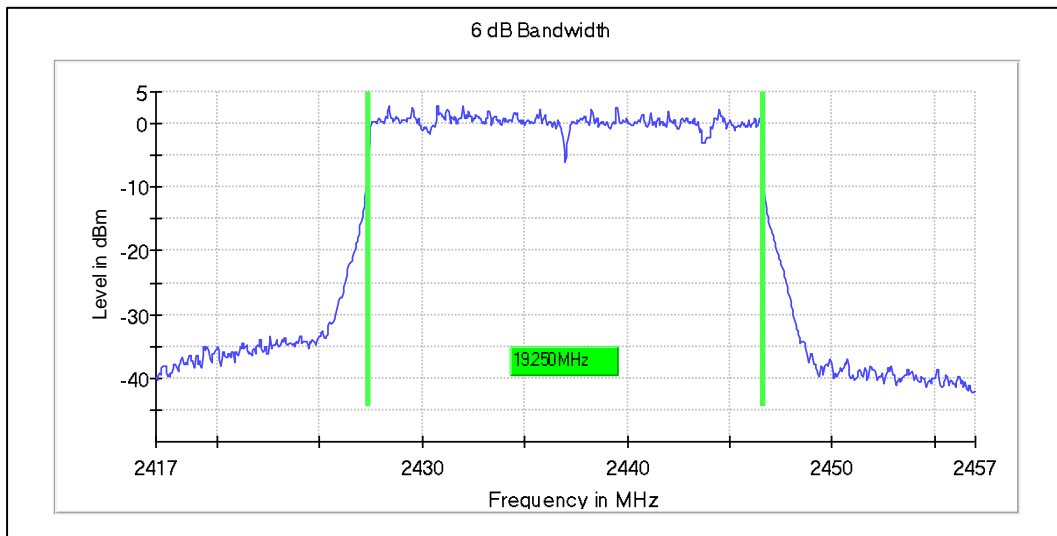
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2412	17.15	19.10	0.5
	2437	18.90	19.50	0.5
	2462	18.00	19.00	0.5
MCS11	2412	19.10	19.20	0.5
	2437	19.25	19.10	0.5
	2462	19.15	19.00	0.5

Graphs for 6 dB bandwidth measurement



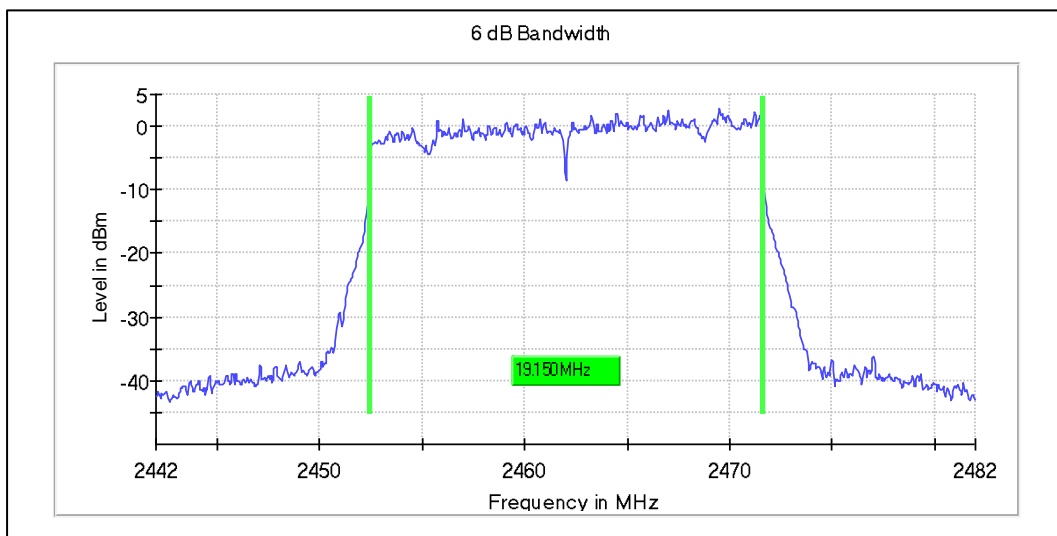
Data Rate: MCS11

Channel Frequency: 2412MHz



Data Rate: MCS11

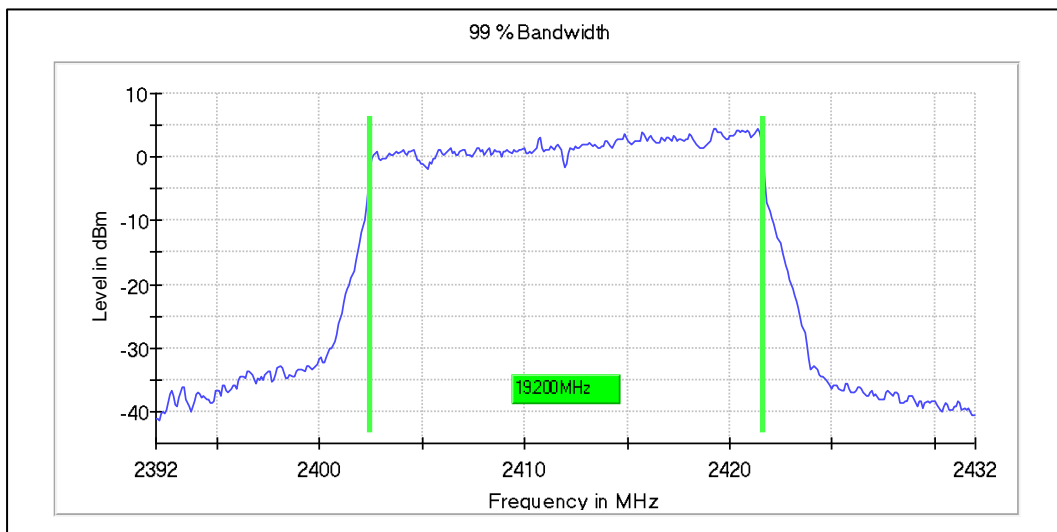
Channel Frequency: 2437MHz



Data Rate: MCS11

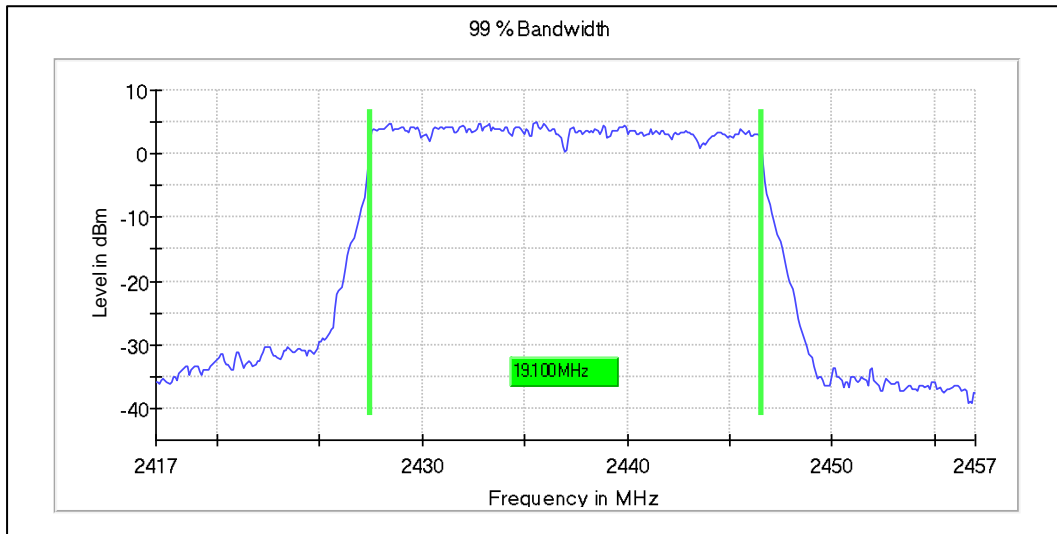
Channel Frequency: 2462MHz

Graphs for OCW 99 % bandwidth measurement



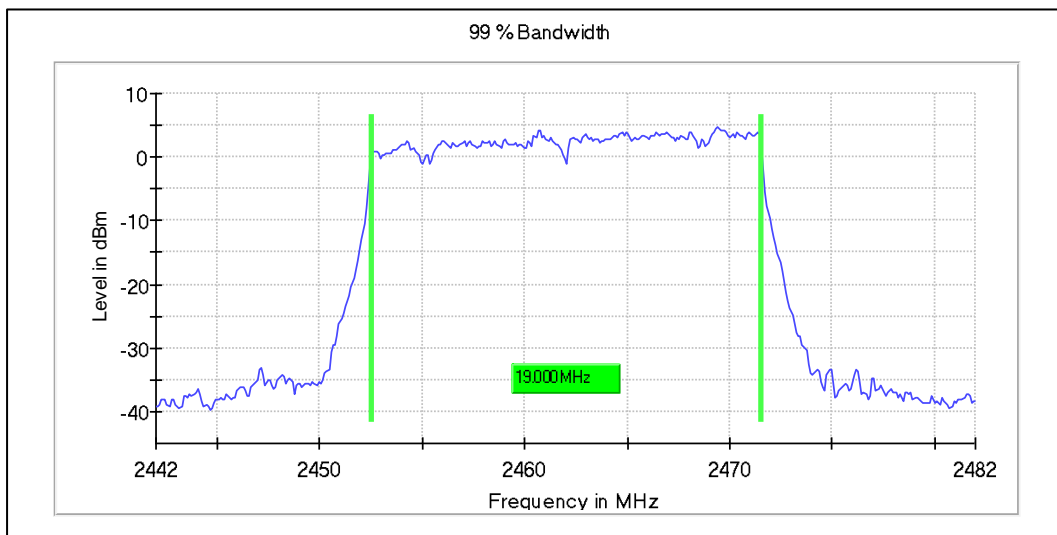
Data Rate: MCS11

Channel Frequency: 2412MHz



Data Rate: MCS11

Channel Frequency: 2437MHz



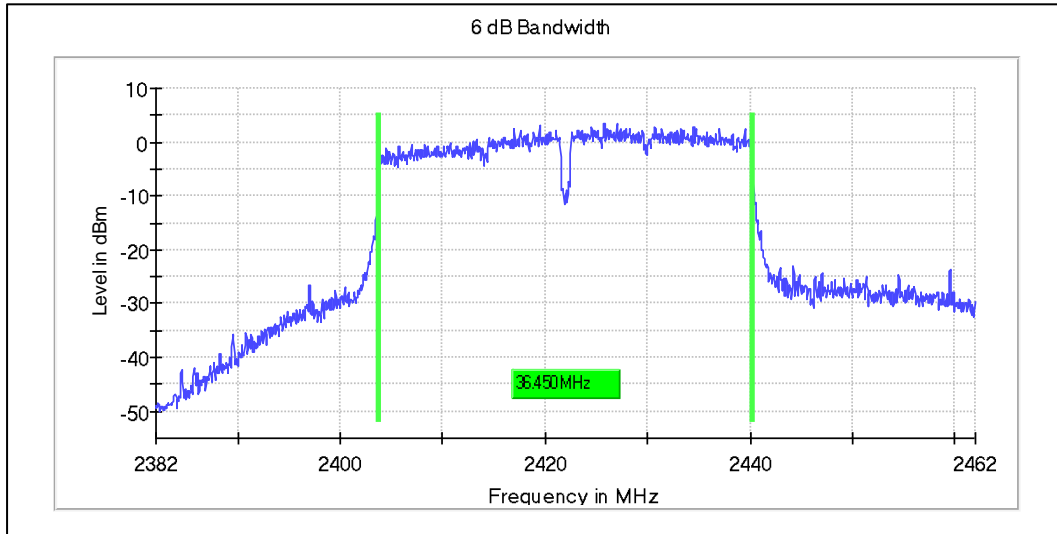
Data Rate: MCS11

Channel Frequency: 2462MHz

Modulation: 802.11n_HT40MHz

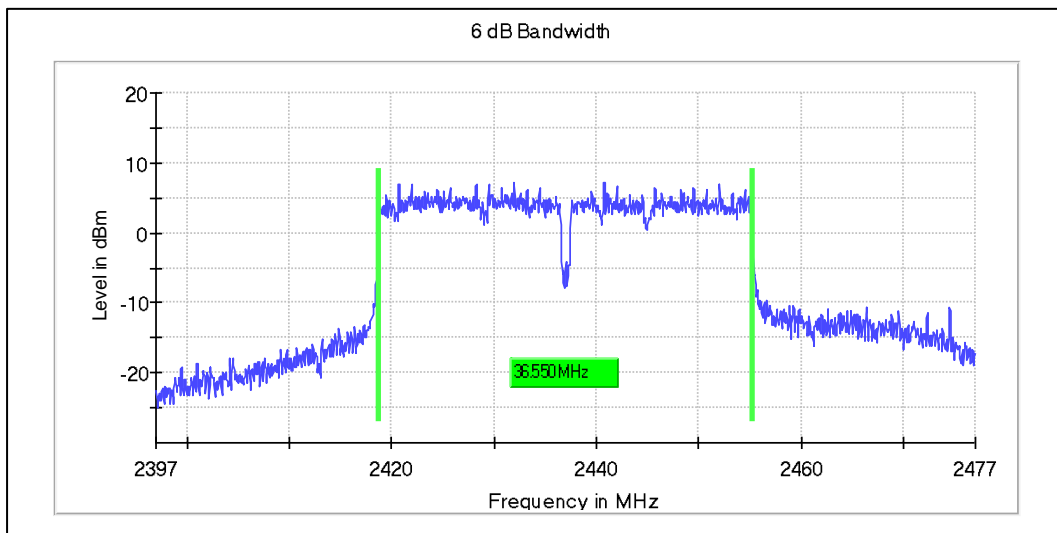
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2422	35.80	36.50	0.5
	2437	36.45	36.50	0.5
	2452	36.42	36.99	0.5
MCS7	2422	36.45	36.50	0.5
	2437	36.55	37.14	0.5
	2452	36.60	36.60	0.5

Graphs for 6 dB bandwidth measurement



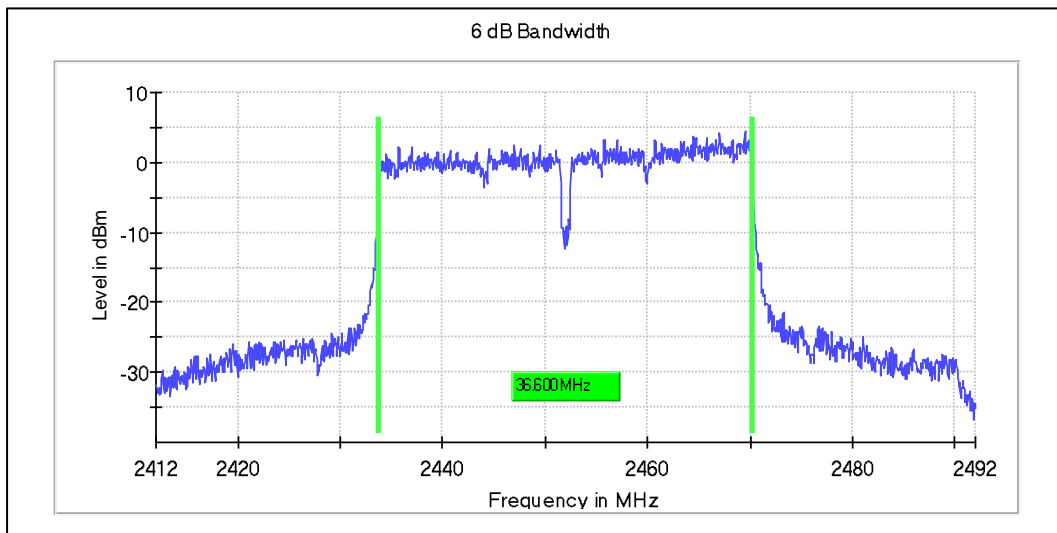
Data Rate: MCS7

Channel Frequency: 2422MHz



Data Rate: MCS7

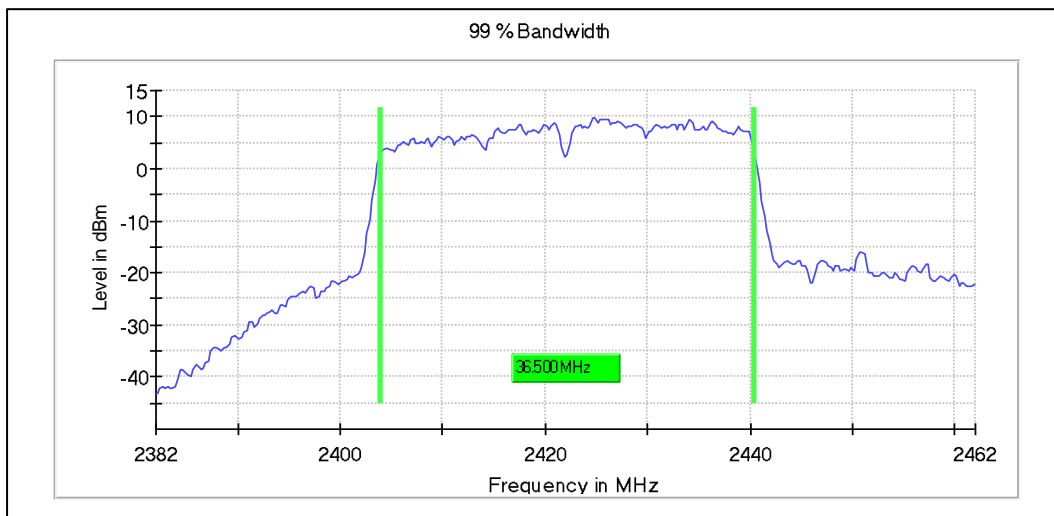
Channel Frequency: 2437MHz



Data Rate: MCS7

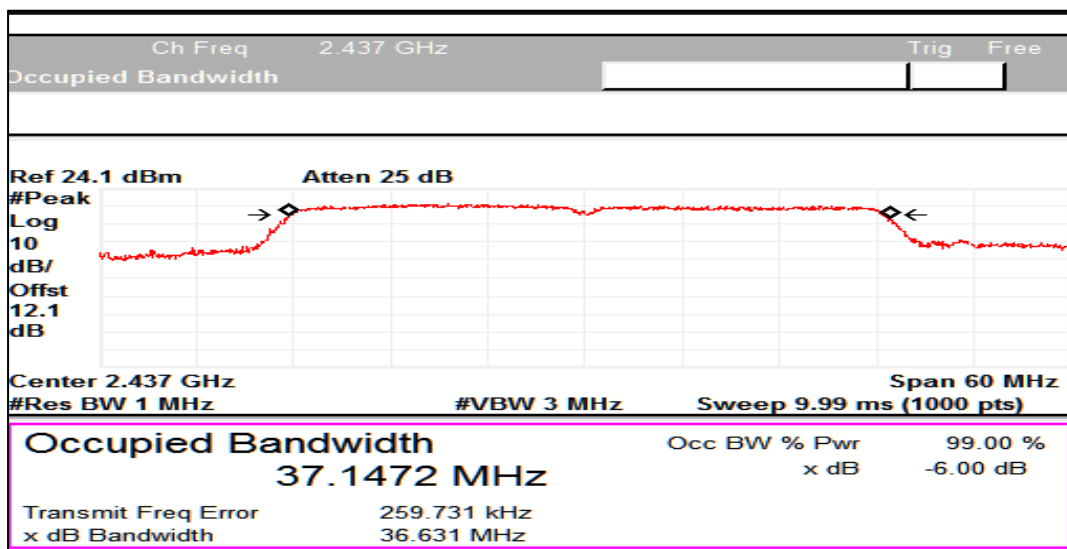
Channel Frequency: 2452MHz

Graphs for OCW 99 % bandwidth measurement



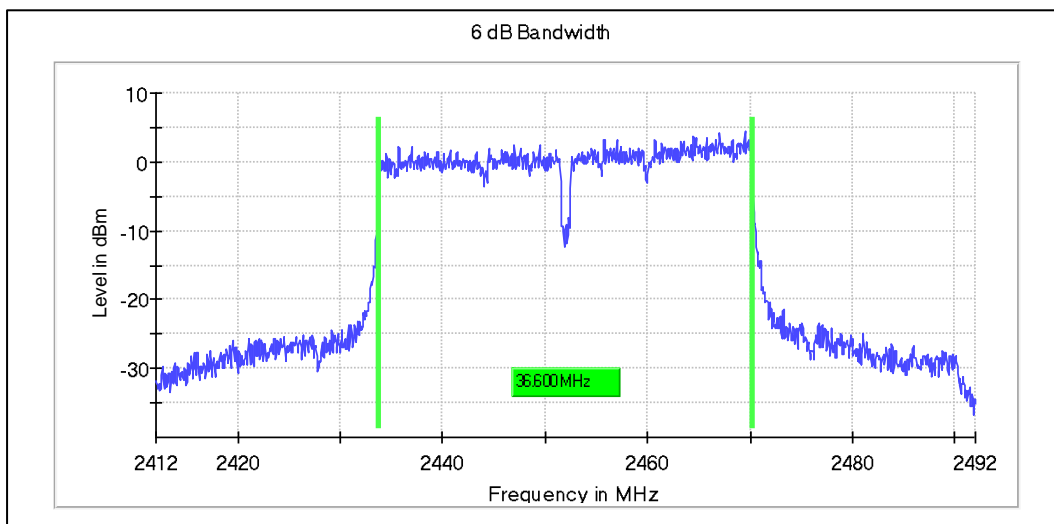
Data Rate: MCS7

Channel Frequency: 2422MHz



Data Rate: MCS7

Channel Frequency: 2437MHz



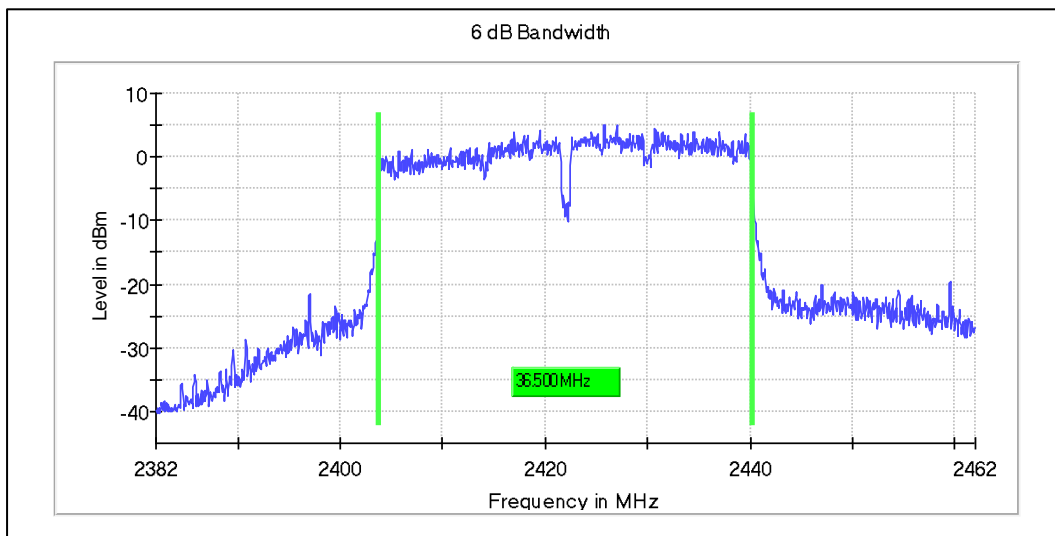
Data Rate: MCS7

Channel Frequency: 2452MHz

Modulation: 802.11ac_VHT40

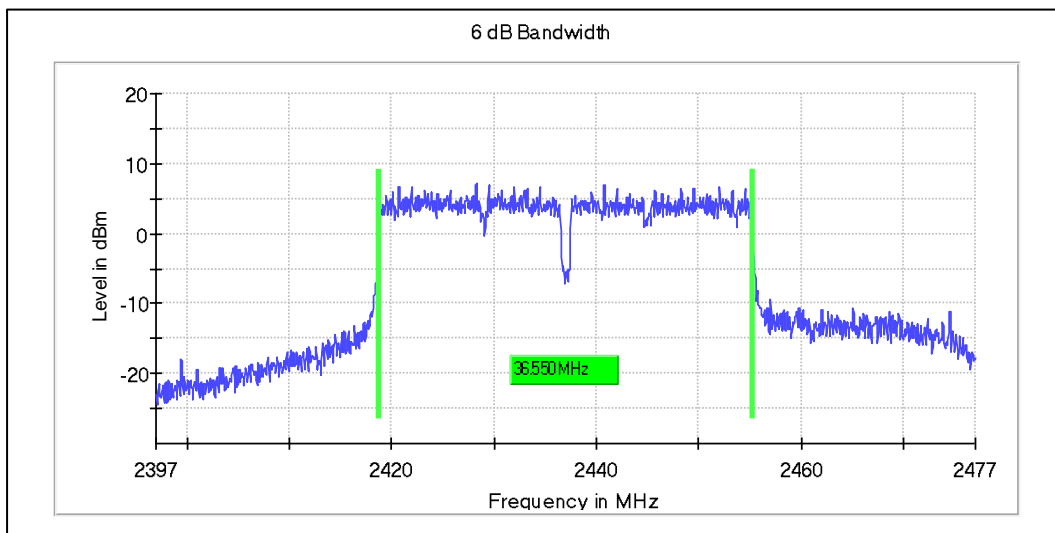
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2422	35.80	36.50	0.5
	2437	36.45	36.75	0.5
	2452	36.87	36.52	0.5
MCS8	2422	36.50	36.75	0.5
	2437	36.55	37.36	0.5
	2452	36.55	37.19	0.5

Graphs for 6 dB bandwidth measurement



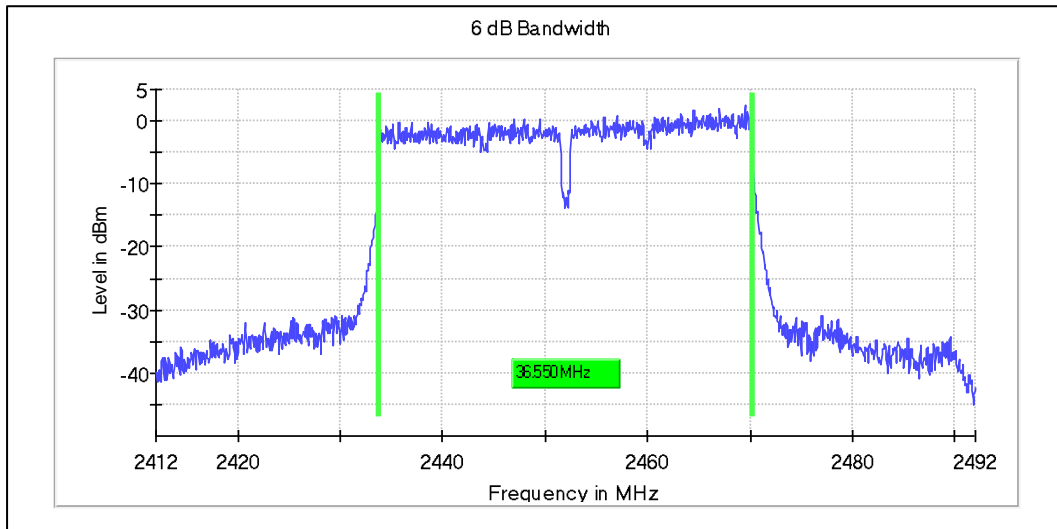
Data Rate: MCS8

Channel Frequency: 2422MHz



Data Rate: MCS8

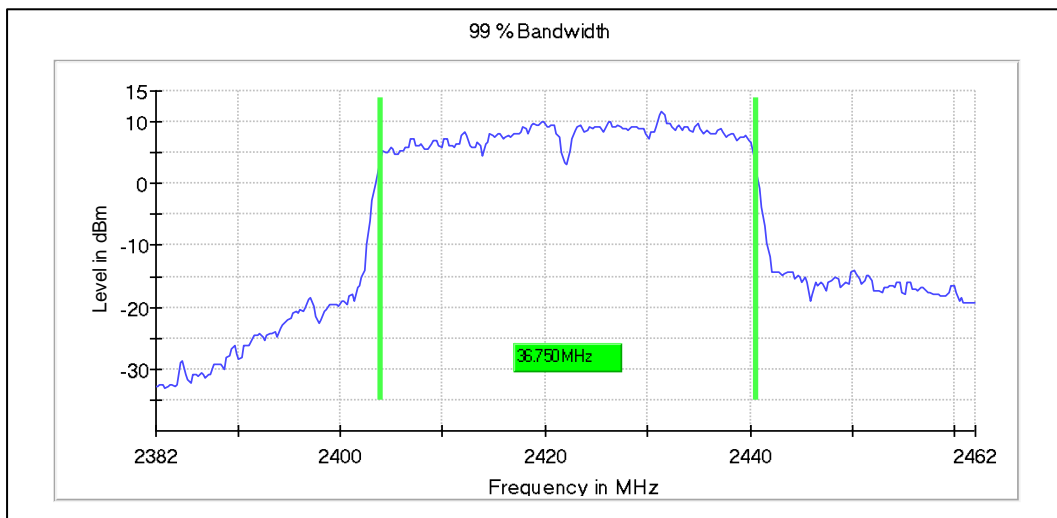
Channel Frequency: 2437MHz



Data Rate: MCS8

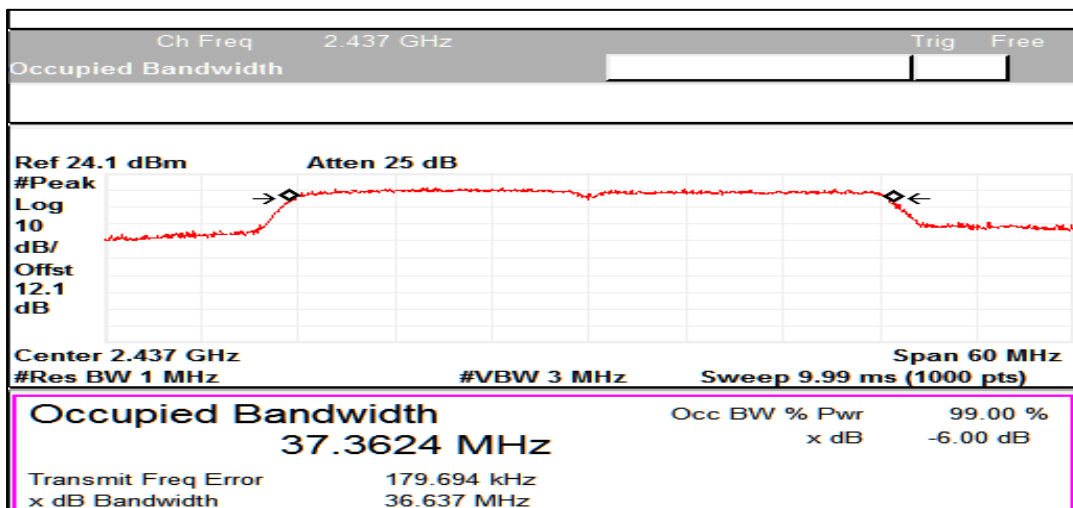
Channel Frequency: 2452MHz

Graphs for OCW 99 % bandwidth measurement



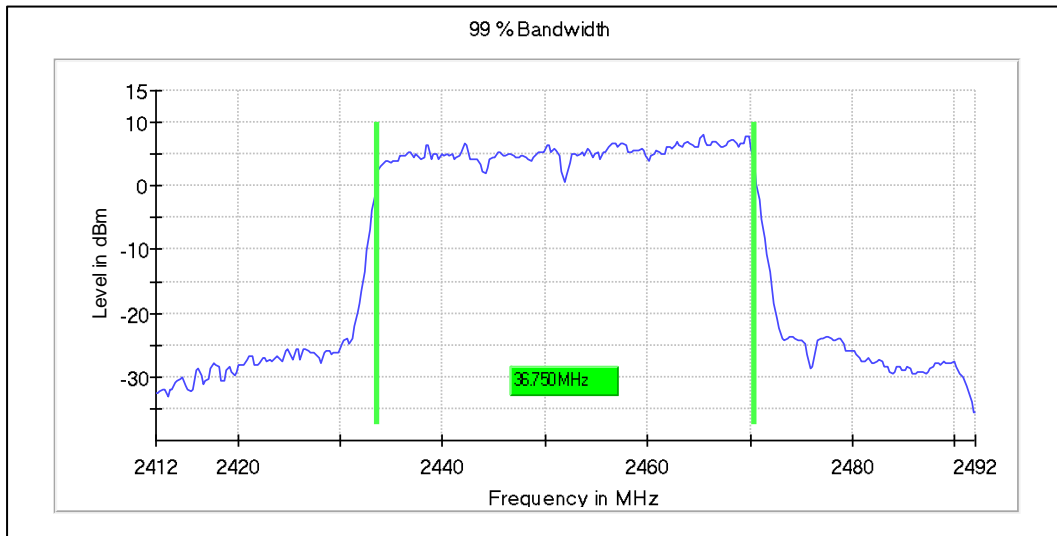
Data Rate: MCS8

Channel Frequency: 2422MHz



Data Rate: MCS8

Channel Frequency: 2437MHz



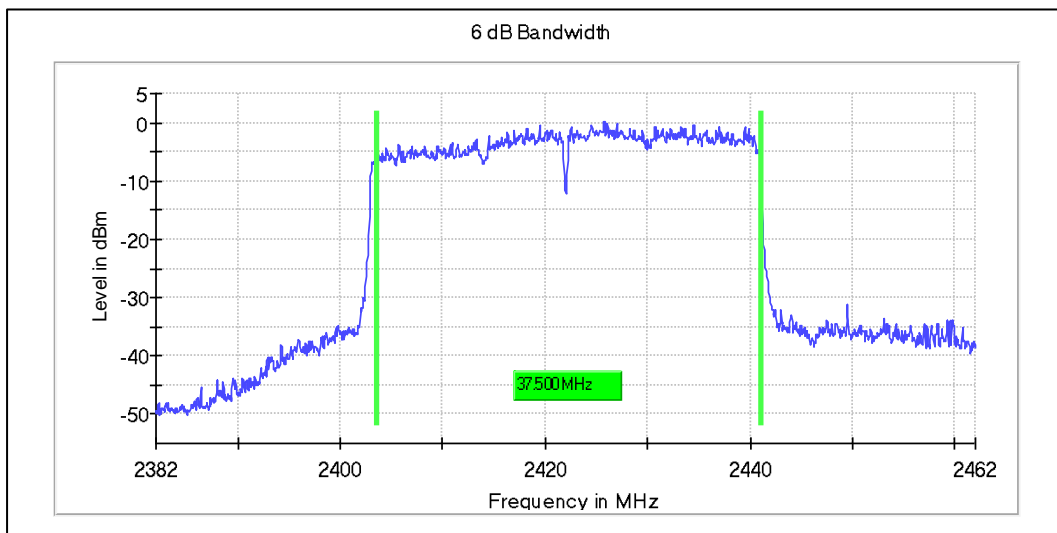
Data Rate: MCS8

Channel Frequency: 2452MHz

Modulation: 802.11ax_HE40

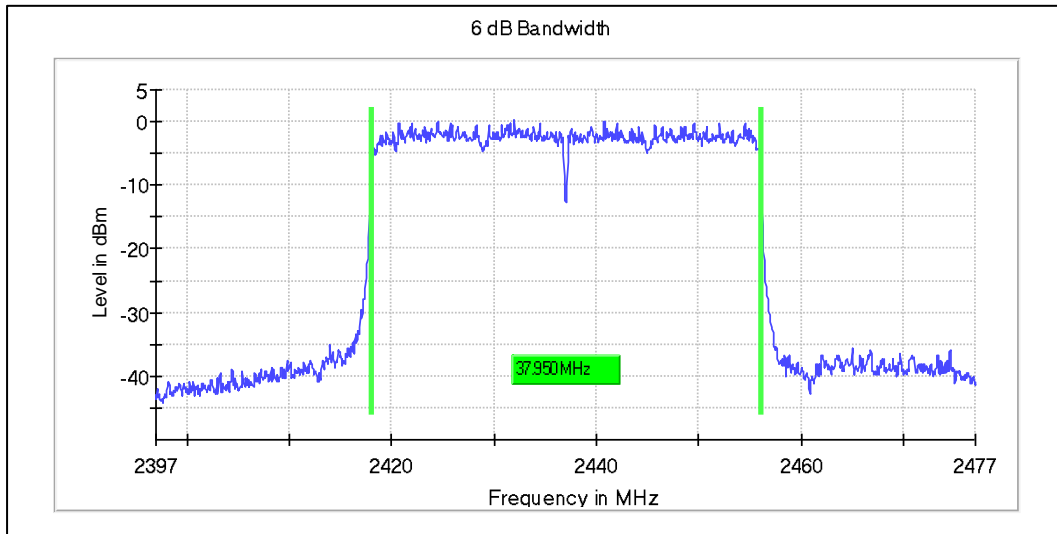
Data rate (Mbps)	Channel Frequency (MHz)	6 dB Bandwidth (MHz)	99% OBW (MHz)	Minimum Limit (MHz)
MCS0	2422	37.65	36.75	0.5
	2437	37.90	37.50	0.5
	2452	37.85	37.98	0.5
MCS11	2422	37.50	37.75	0.5
	2437	37.95	37.75	0.5
	2452	37.90	37.98	0.5

Graphs for 6 dB bandwidth measurement



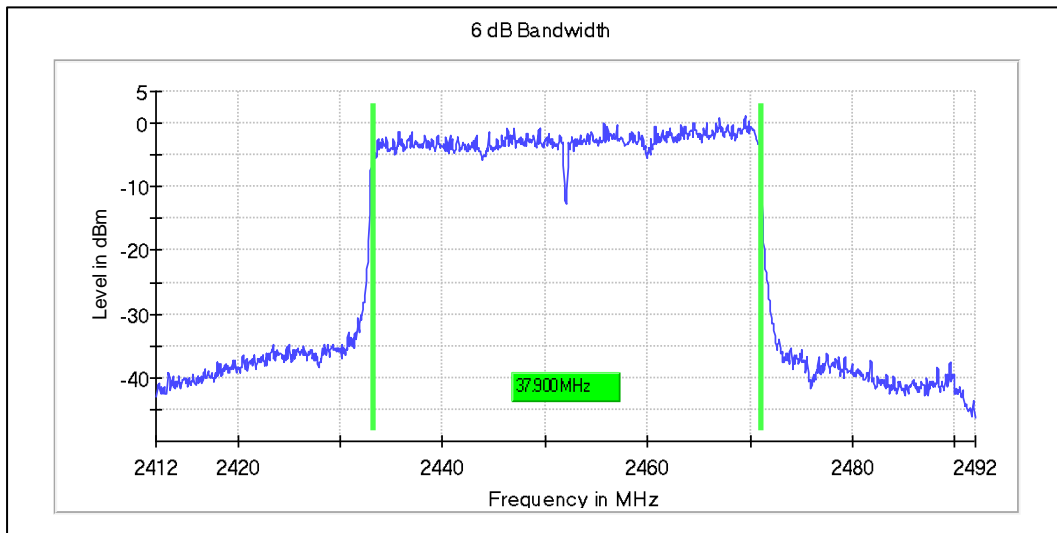
Data Rate: MCS11

Channel Frequency: 2422MHz



Data Rate: MCS11

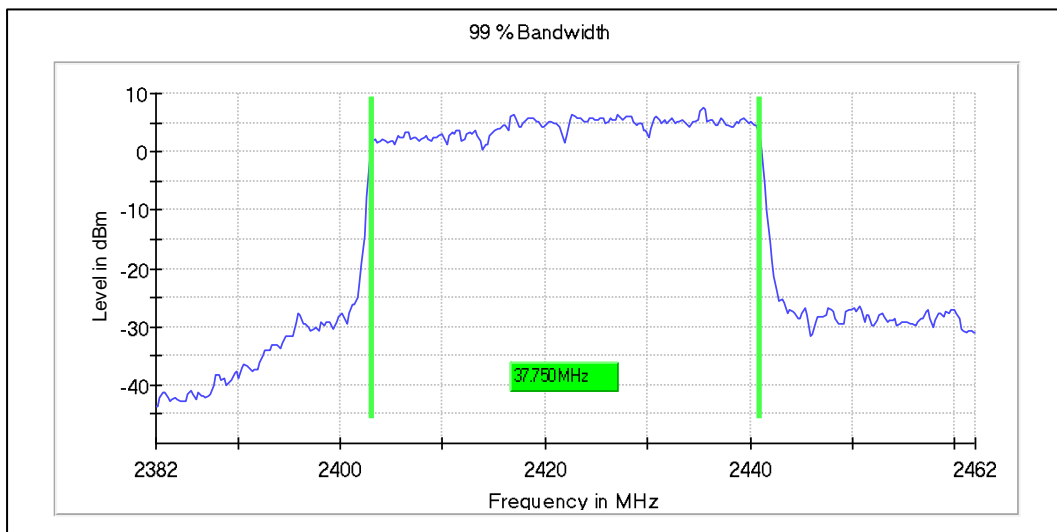
Channel Frequency: 2437MHz



Data Rate: MCS11

Channel Frequency: 2452MHz

Graphs for OCW 99 % bandwidth measurement



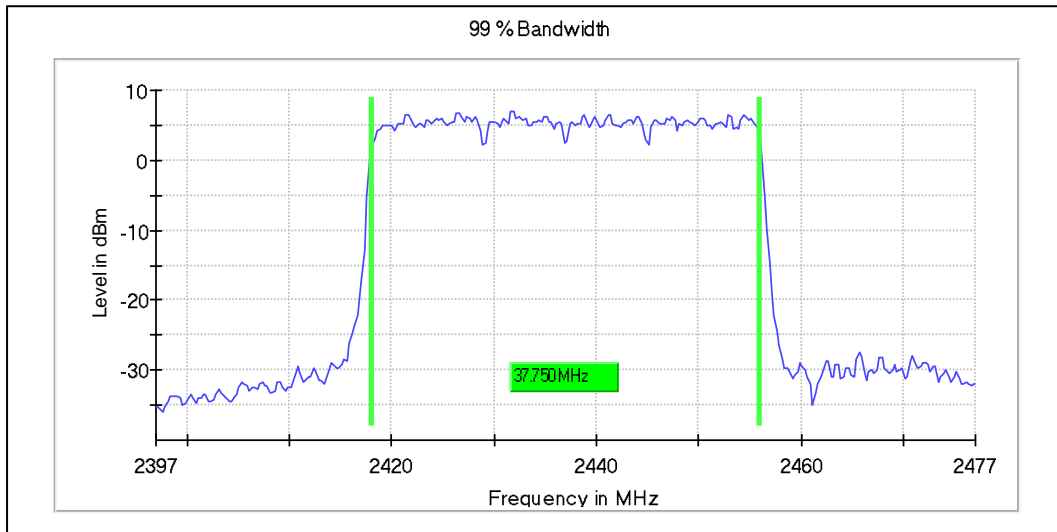
Data Rate: MCS11

Channel Frequency: 2422MHz

Prüfbericht - Nr.:
Test Report No.:

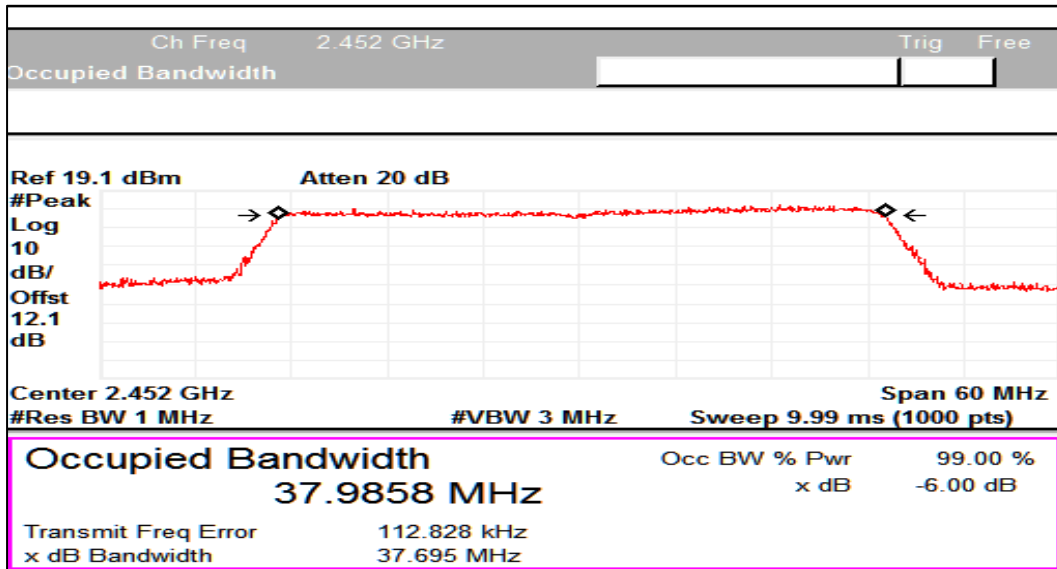
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Data Rate: MCS11

Channel Frequency: 2437MHz



Data Rate: MCS11

Channel Frequency: 2452MHz

7.4 Emissions in non-restricted frequency bands and Conducted Spurious Emission

Result

Pass

Test Specification FCC part 15 Subpart C 15.247 (d) / RSS 247 Issue 2, Section 5.5

Test Method Subclause 11.11 of ANSI C63.10

Measurement Bandwidth 100 kHz

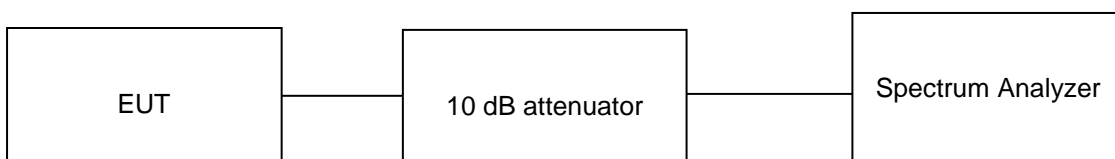
Detector Peak

Port of testing Antenna port

Requirement In any 100kHz 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 30dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits

If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB

Test Method:



Test Condition

Normal Test Condition:

Temperature (Norm) = +25 °C

Voltage = 5.0V AC to DC Adaptor

Relative humidity: 62 %

KDB Guidelines applied:

Measurements were made as per section 8.5 in KDB 558074 D01 15.247 Measurement Guidance v05r02.

Test results:

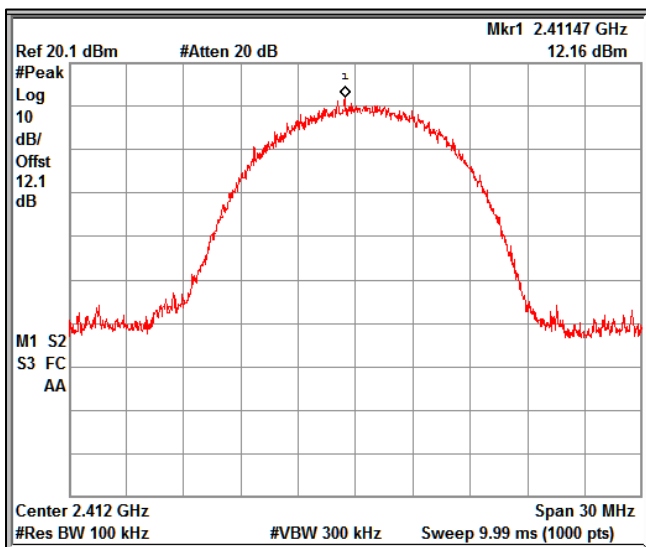
Note:

1. All the losses are included during measurement and final values are mentioned in the test report.
2. Final Value (dBm) = Measured Value (dBm) + Attenuator factor (10dB) + Cable loss (0.5dB)
3. This product do not support additional beamforming gain / directional gain, it uses signal antenna and hence directional gain of the single antenna is 2.35 dBi

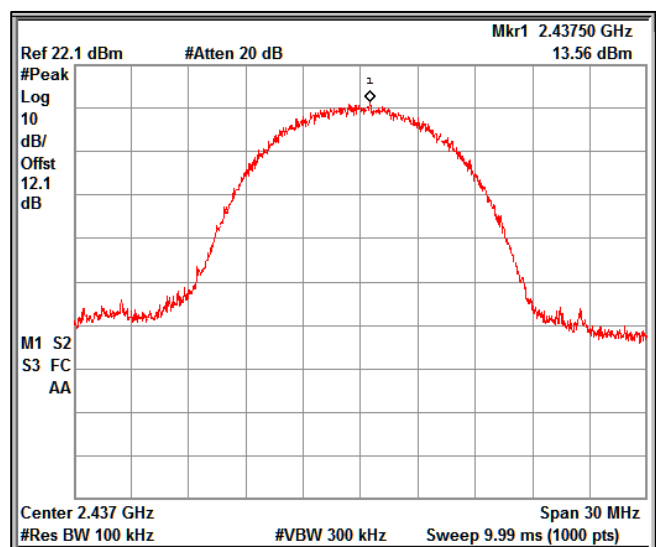
7.4.1 Band edge and reference plots

Modulation: 802.11b

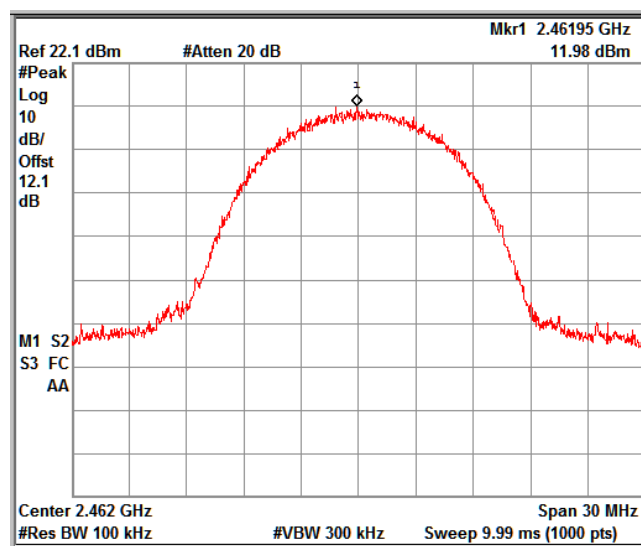
Data Rate 11Mbps



Reference Plot Channel Frequency 2412MHz



Reference Plot Channel Frequency 2437MHz



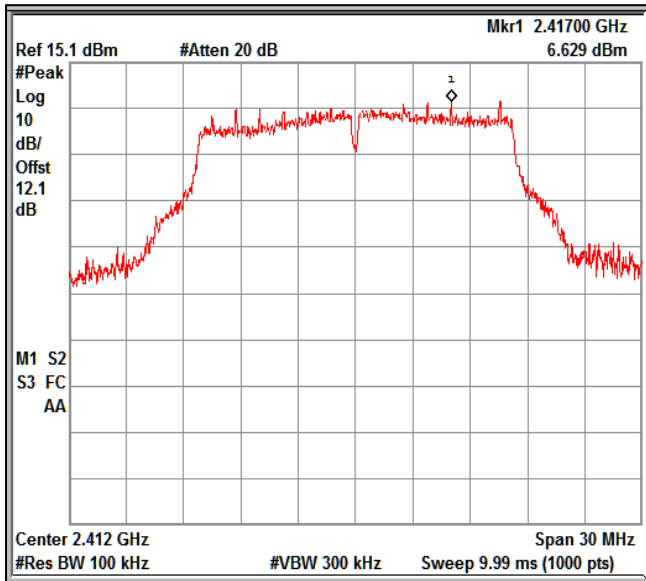
Reference Plot Channel Frequency 2462MHz

Prüfbericht - Nr.:
Test Report No.:

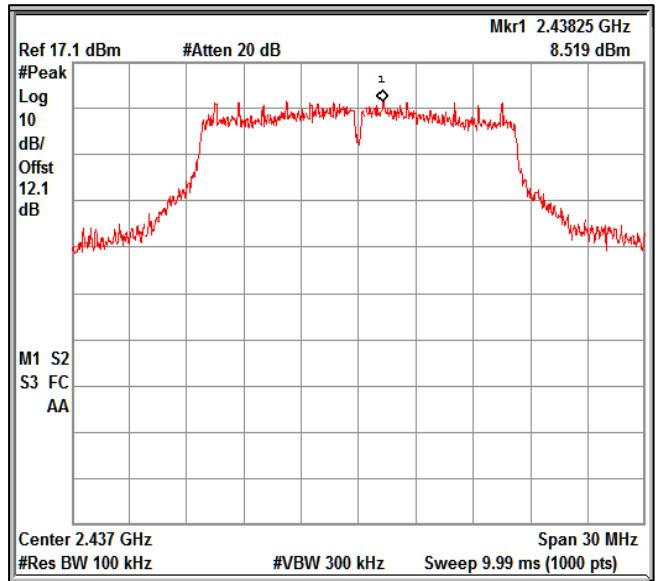
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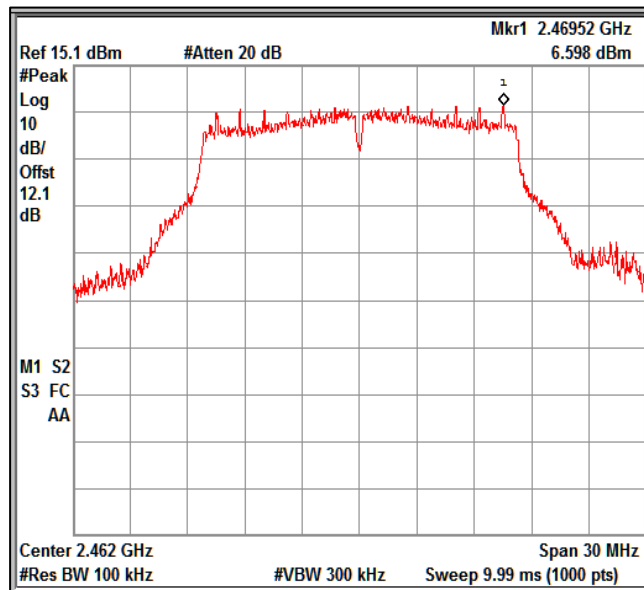
Modulation: 802.11g
Data Rate : 6Mbps



Reference Plot Channel Frequency 2412MHz



Reference Plot Channel Frequency 2437MHz



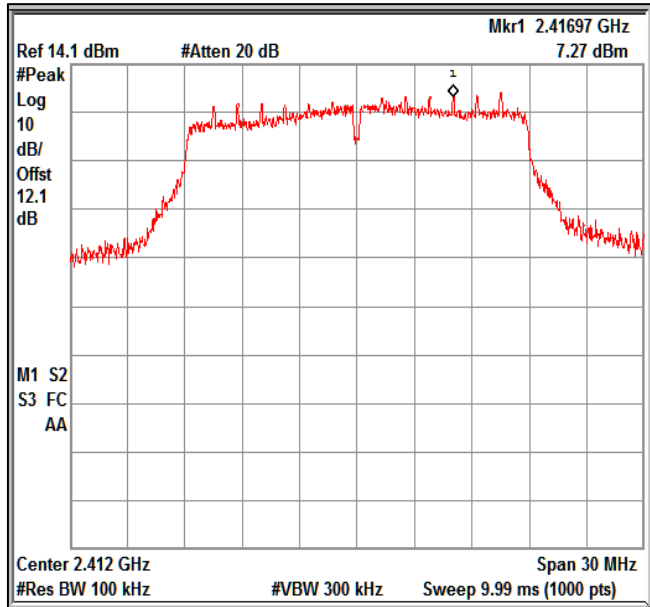
Reference Plot Channel Frequency 2462MHz

Prüfbericht - Nr.:
Test Report No.:

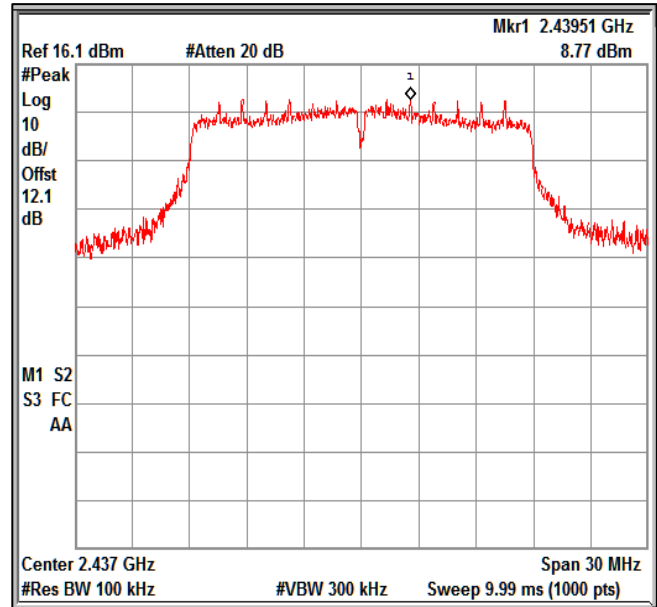
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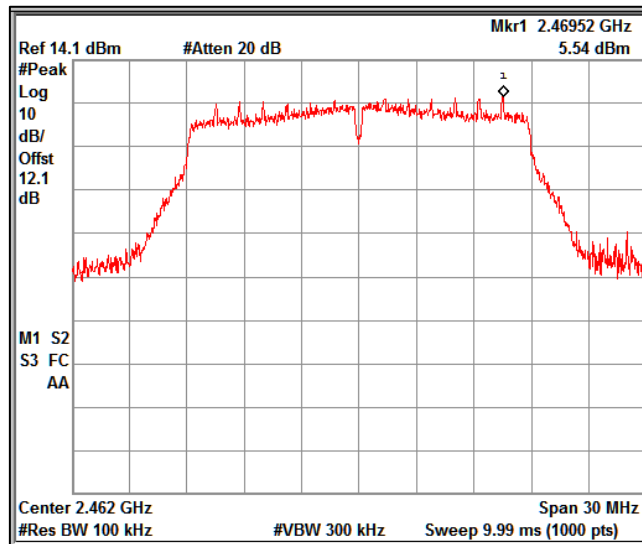
Modulation: 802.11n-HT_20
Data Rate : MCS0



Reference Plot Channel Frequency 2412MHz



Reference Plot Channel Frequency 2437MHz



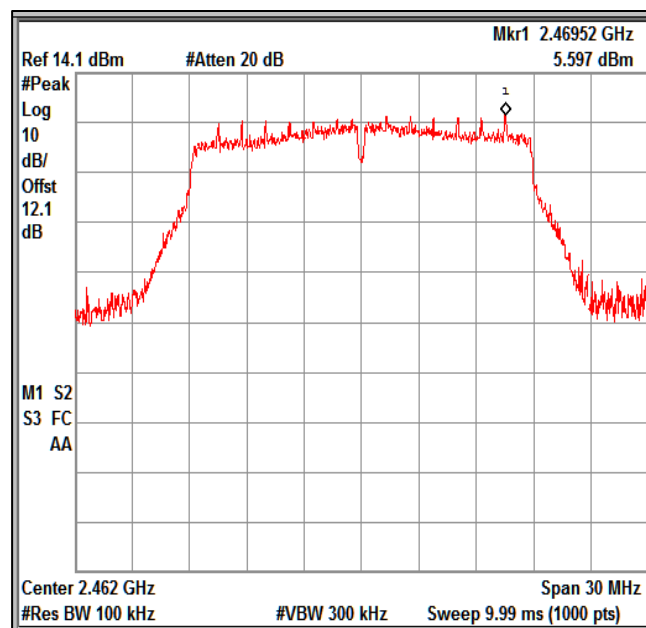
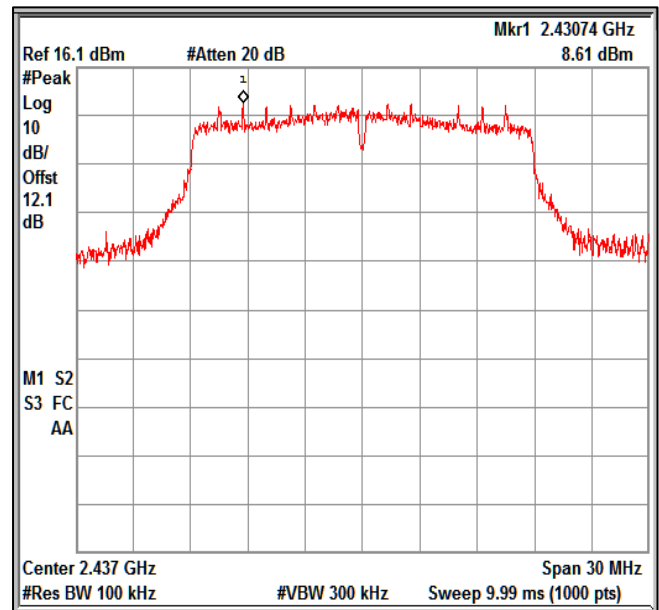
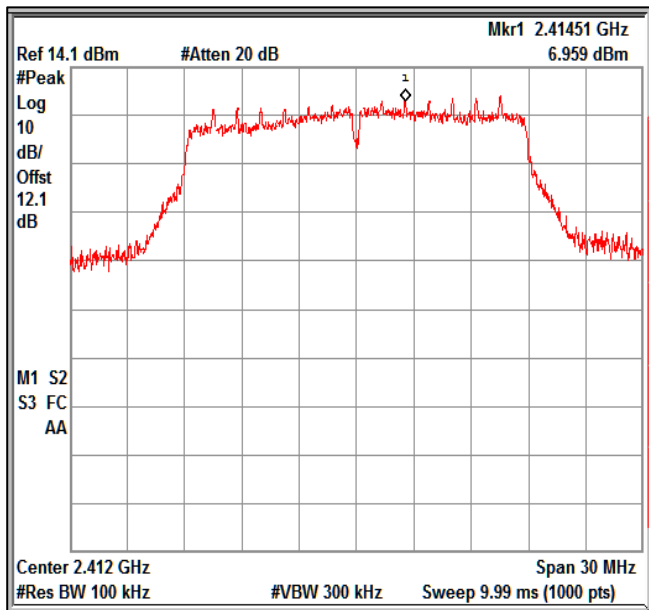
Reference Plot Channel Frequency 2462MHz

Prüfbericht - Nr.:
Test Report No.:

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Modulation: 802.11ac-VHT_20
Data Rate : MCS0

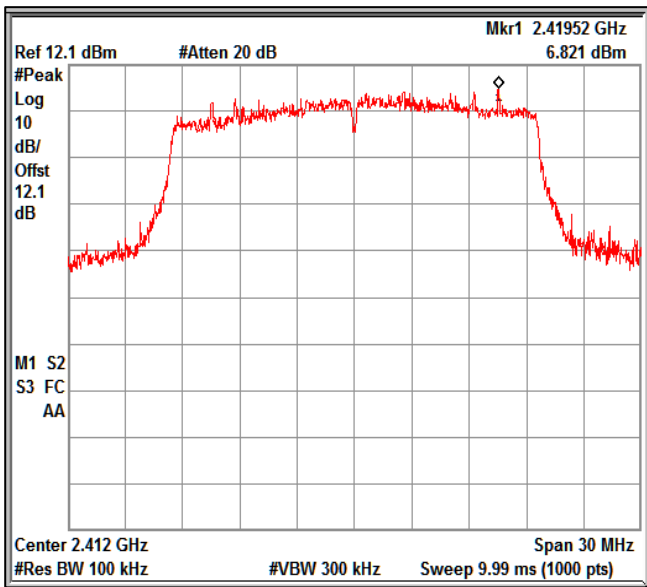


Prüfbericht - Nr.:
Test Report No.:

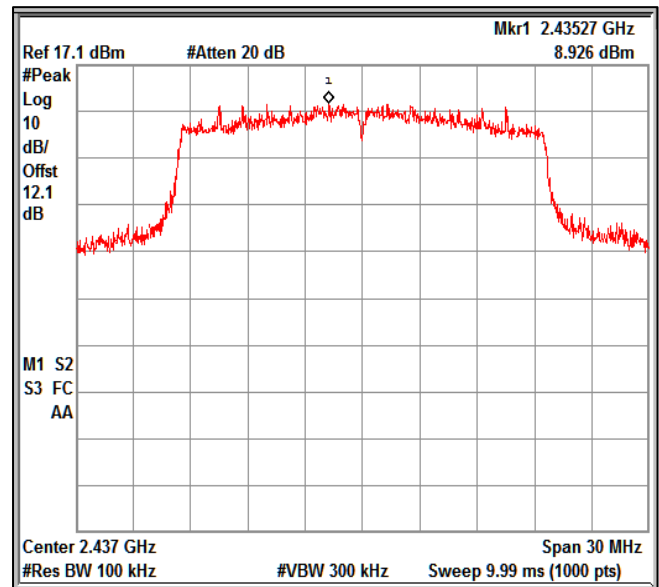
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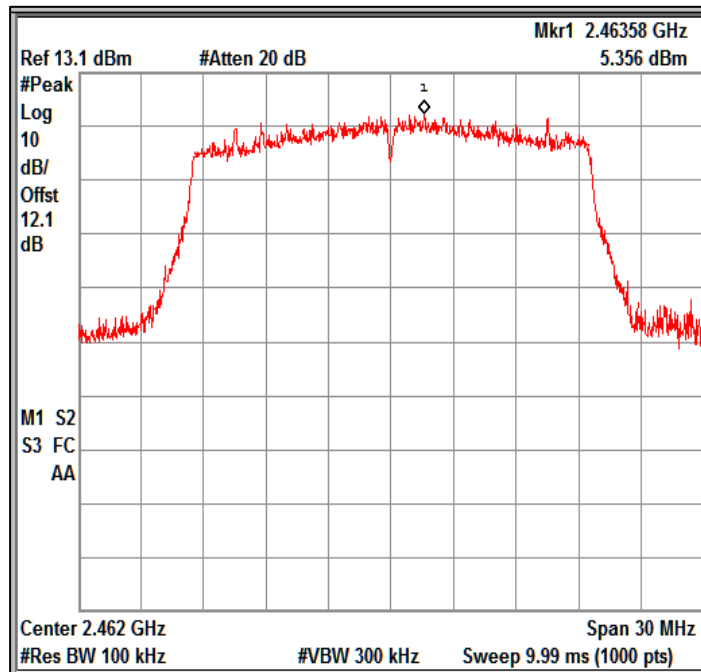
Modulation: 802.11ax-HE_20
Data Rate : MCS0



Reference Plot Channel Frequency 2412MHz

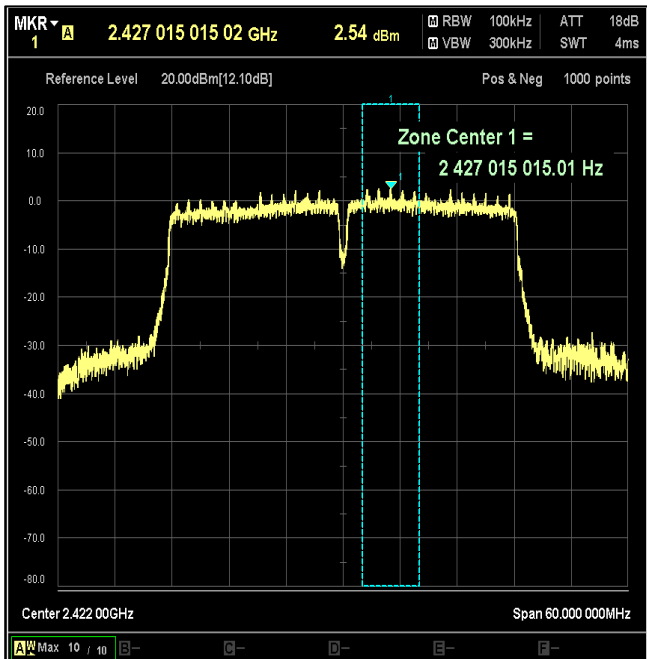


Reference Plot Channel Frequency 2437MHz

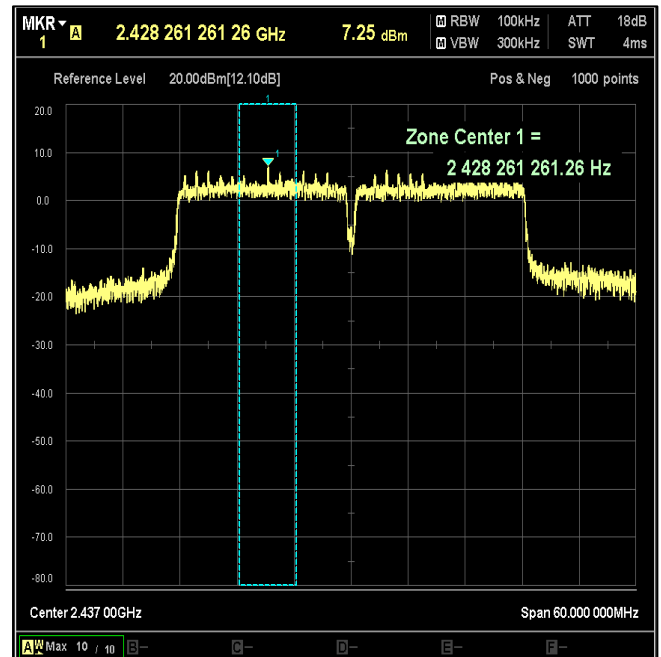


Reference Plot Channel Frequency 2462MHz

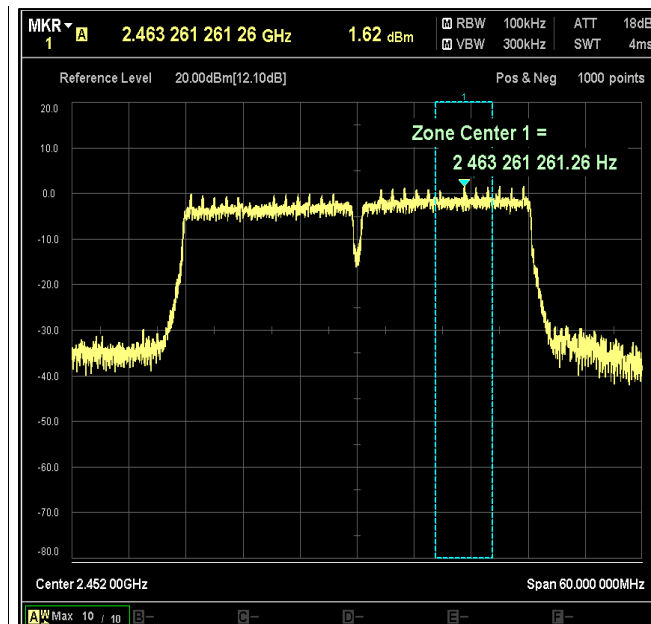
Modulation: 802.11n-HT40
Data Rate : MCS0



Reference Plot Channel Frequency 2422MHz

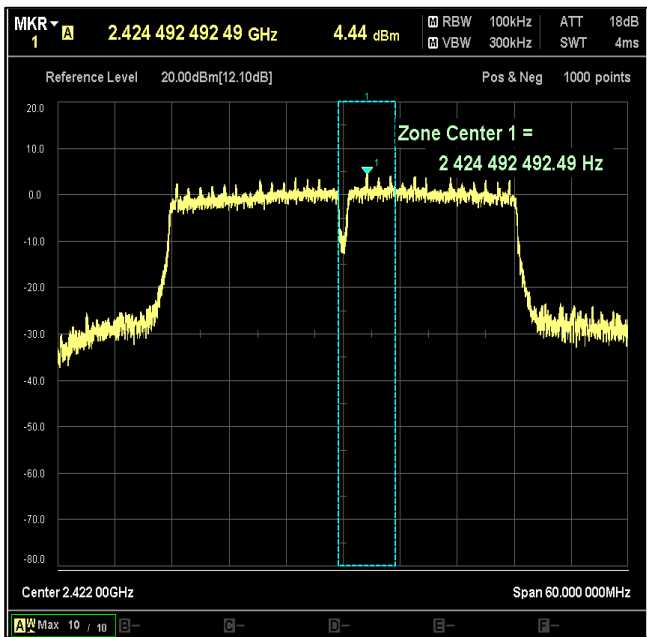


Reference Plot Channel Frequency 2437MHz

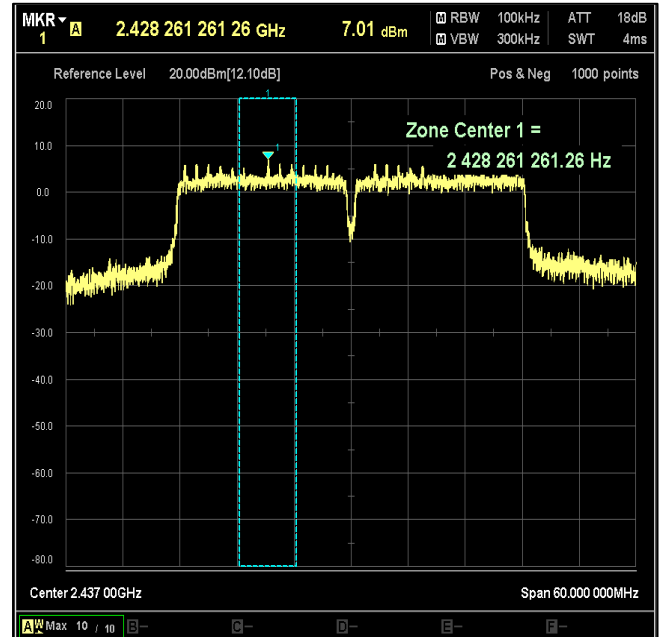


Reference Plot Channel Frequency 2452MHz

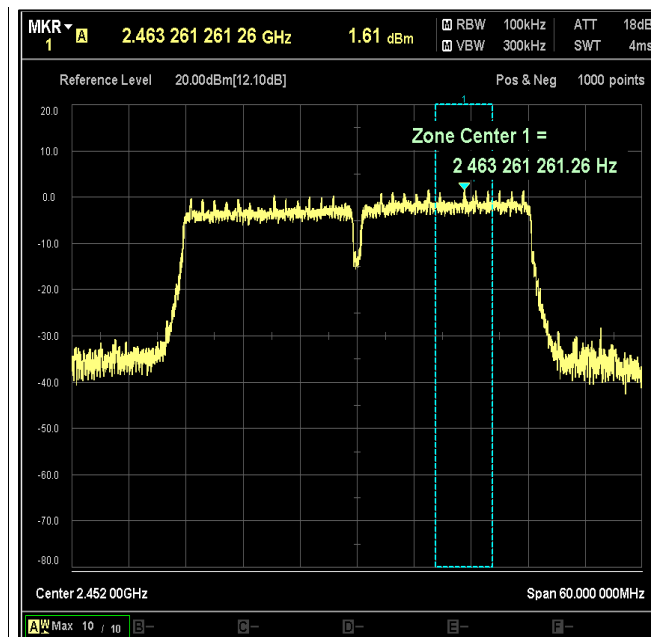
Modulation: 802.11ac-VHT40
Data Rate : MCS0



Reference Plot Channel Frequency 2422MHz

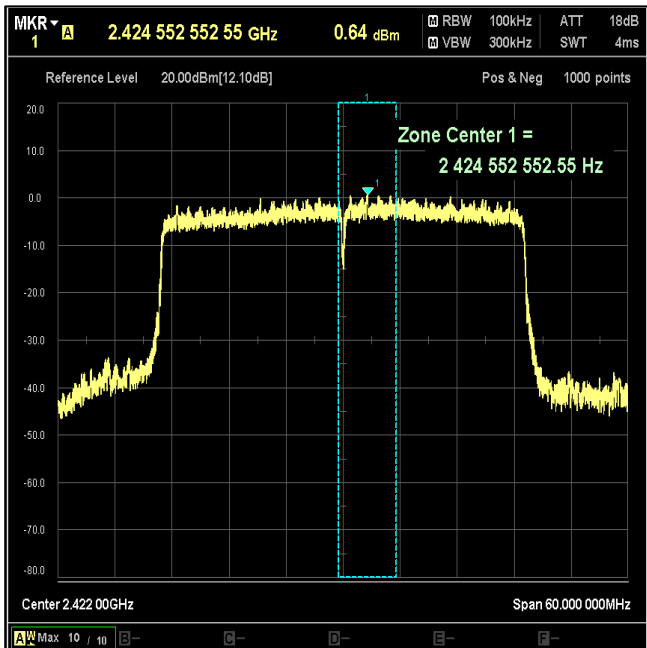


Reference Plot Channel Frequency 2437MHz

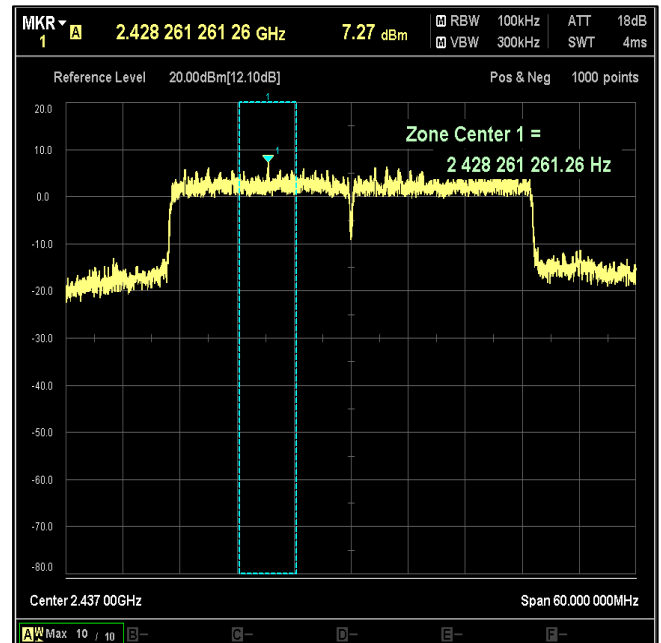


Reference Plot Channel Frequency 2452MHz

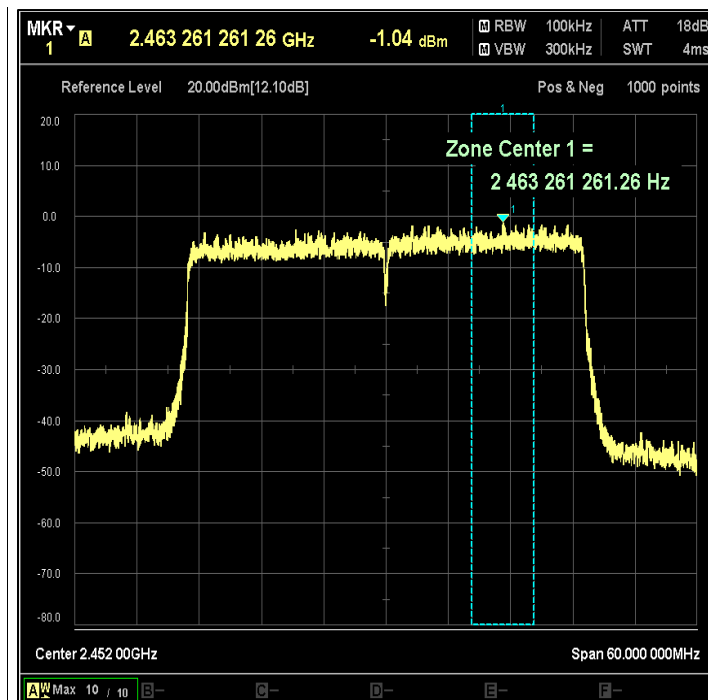
Modulation: 802.11ax-HE40
Data Rate : MCS0



Reference Plot Channel Frequency 2422MHz



Reference Plot Channel Frequency 2437MHz

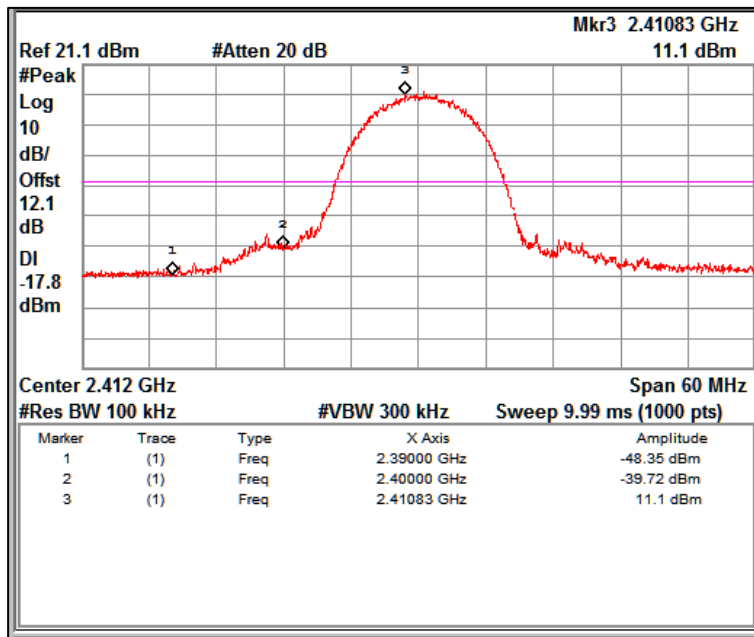


Reference Plot Channel Frequency 2452MHz

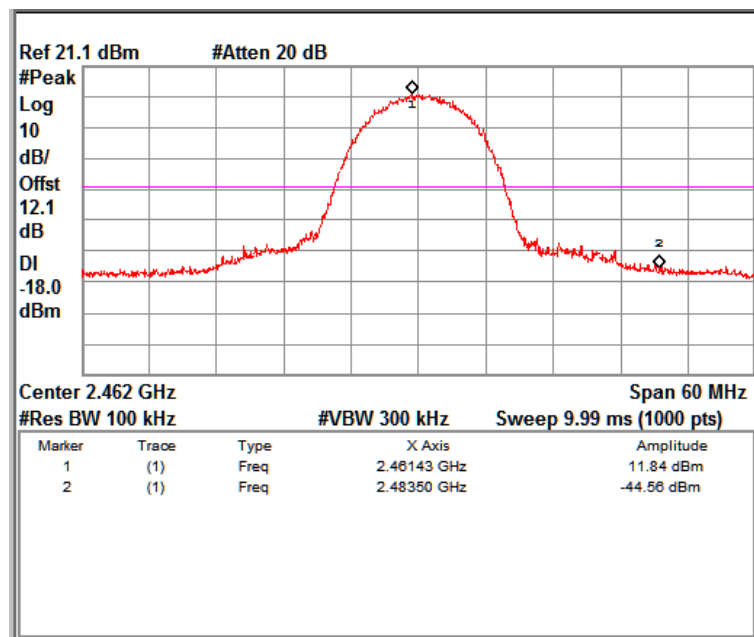
Modulation: 802.11b

Data Rate 11Mbps

Channel Frequency (MHz)	Band edge frequency (MHz)	Value at band edge (A) (dBm)	Reference value (B) (dBm)	A-B (dBc)	Minimum Limit (dBc)
2412.00	2400.00	-39.72	12.16	-51.88	-30
2462.00	2483.50	-44.56	11.98	-56.54	-30



Channel Frequency 2412MHz



Channel Frequency 2462MHz

Prüfbericht - Nr.:
Test Report No.:

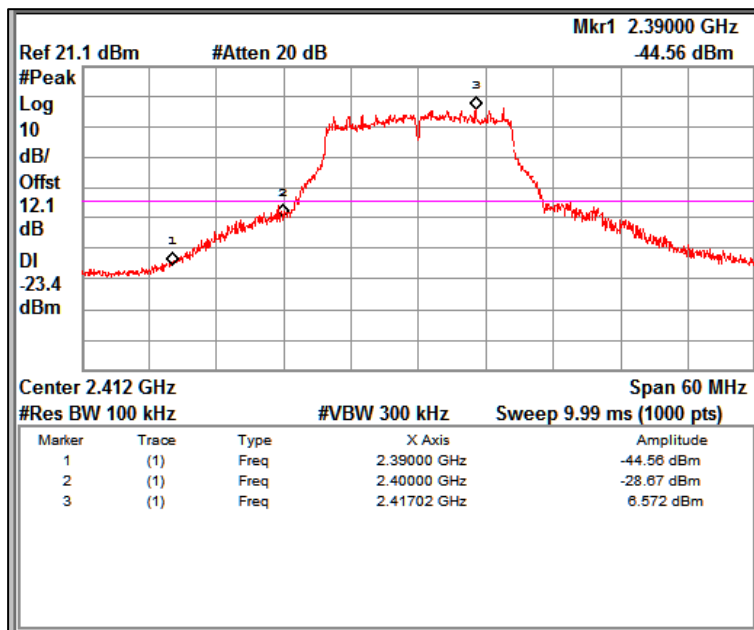
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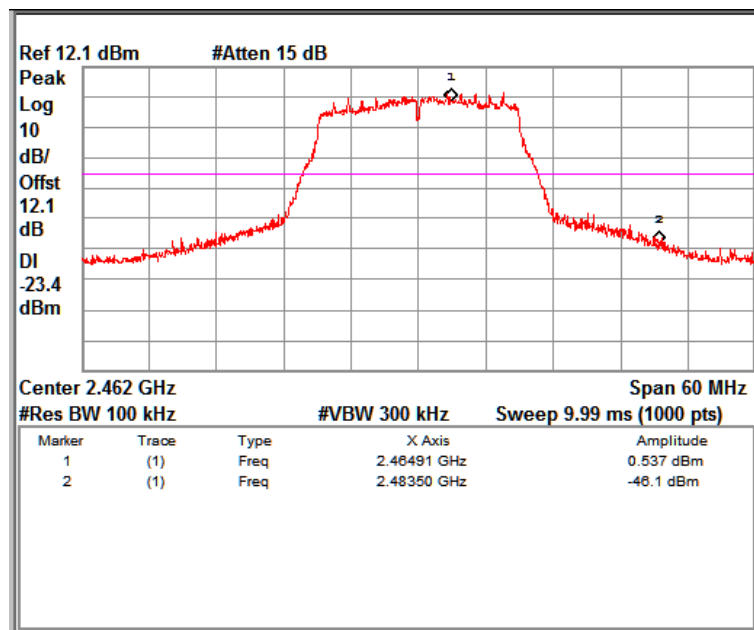
Modulation: 802.11g

Data Rate 6Mbps

Channel Frequency (MHz)	Band edge frequency (MHz)	Value at band edge (A) (dBm)	Reference value (B) (dBm)	A-B (dBc)	Minimum Limit (dBc)
2412.00	2400.00	-28.67	6.62	-35.29	-30
2462.00	2483.50	-46.10	6.59	-52.69	-30



Channel Frequency 2412MHz



Channel Frequency 2462MHz

Prüfbericht - Nr.:
Test Report No.:

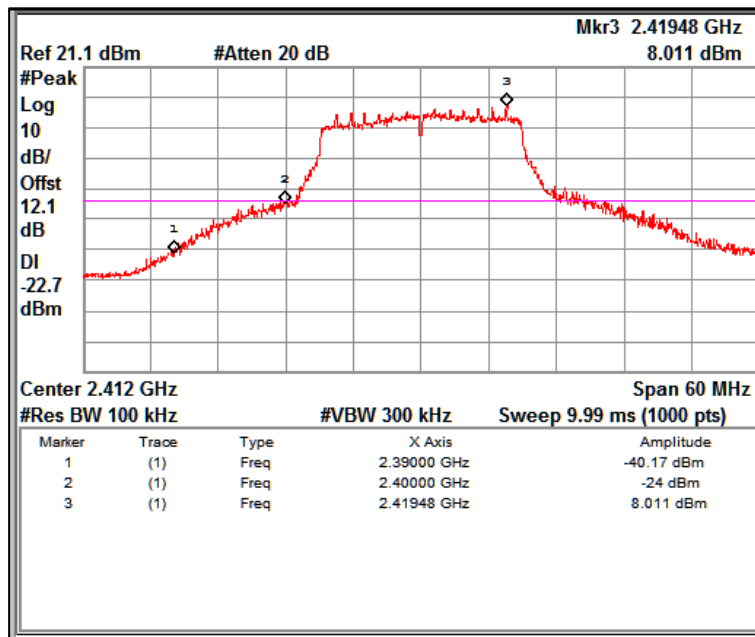
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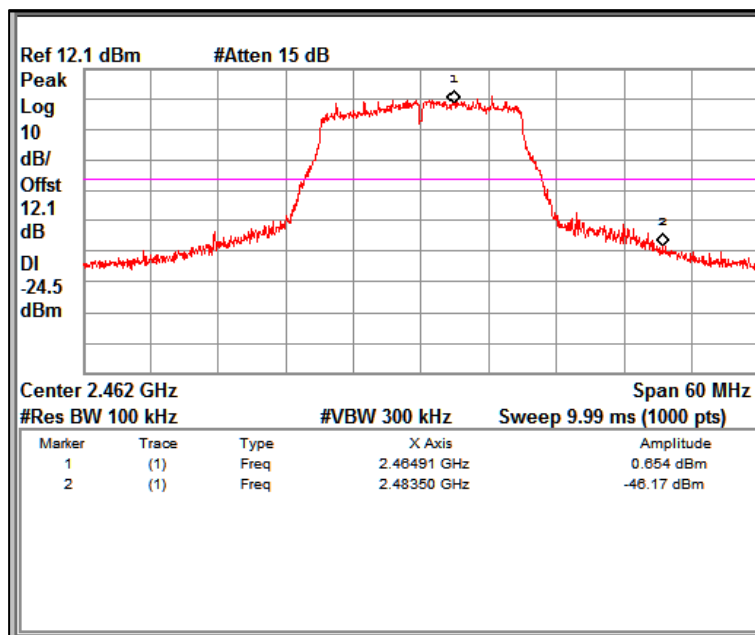
Modulation: 802.11n_HT20

Data Rate MCS0

Channel Frequency (MHz)	Band edge frequency (MHz)	Value at band edge (A) (dBm)	Reference value (B) (dBm)	A-B (dBc)	Minimum Limit (dBc)
2412.00	2400.00	-24.00	7.27	-31.27	-30
2462.00	2483.50	-46.17	5.54	-51.71	-30



Channel Frequency 2412MHz



Channel Frequency 2462MHz

Prüfbericht - Nr.:
Test Report No.:

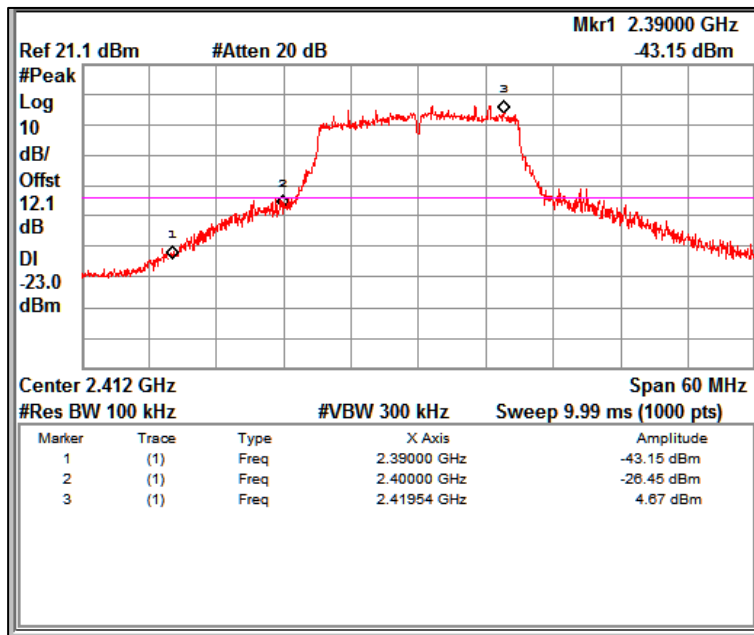
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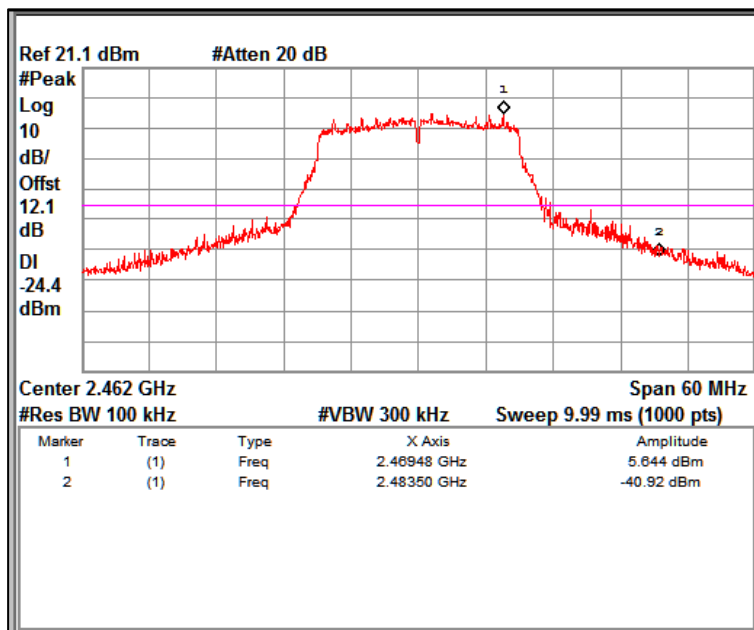
Modulation: 802.11ac-VHT_20

Data Rate : MCS0

Channel Frequency (MHz)	Band edge frequency (MHz)	Value at band edge (A) (dBm)	Reference value (B) (dBm)	A-B (dBc)	Minimum Limit (dBc)
2412.00	2400.00	-26.45	6.95	-33.40	-30
2462.00	2483.50	-40.29	5.59	-45.88	-30



Channel Frequency 2412MHz



Channel Frequency 2462MHz

Prüfbericht - Nr.:
Test Report No.:

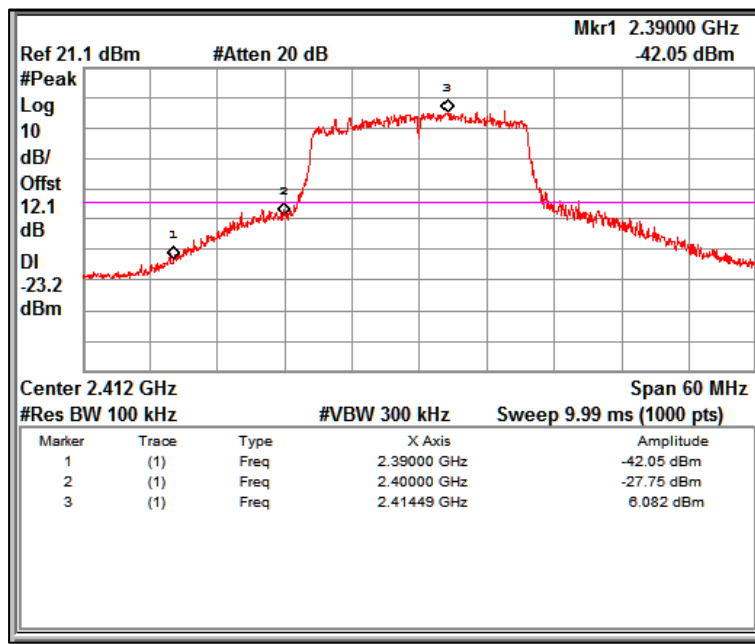
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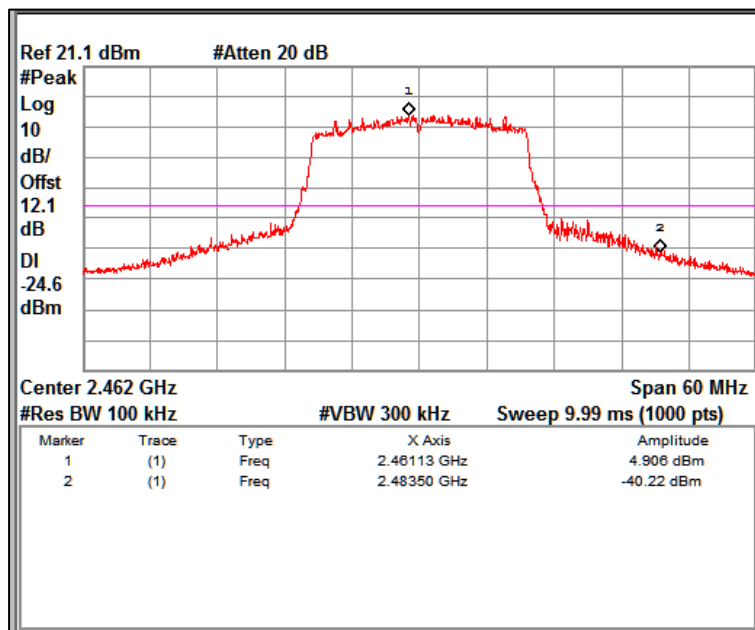
Modulation: 802.11ax-HE_20

Data Rate : MCS0

Channel Frequency (MHz)	Band edge frequency (MHz)	Value at band edge (A) (dBm)	Reference value (B) (dBm)	A-B (dBc)	Minimum Limit (dBc)
2412.00	2400.00	-27.75	6.82	-34.57	-30
2462.00	2483.50	-40.22	5.35	-45.57	-30



Channel Frequency 2412MHz



Channel Frequency 2462MHz

Prüfbericht - Nr.:

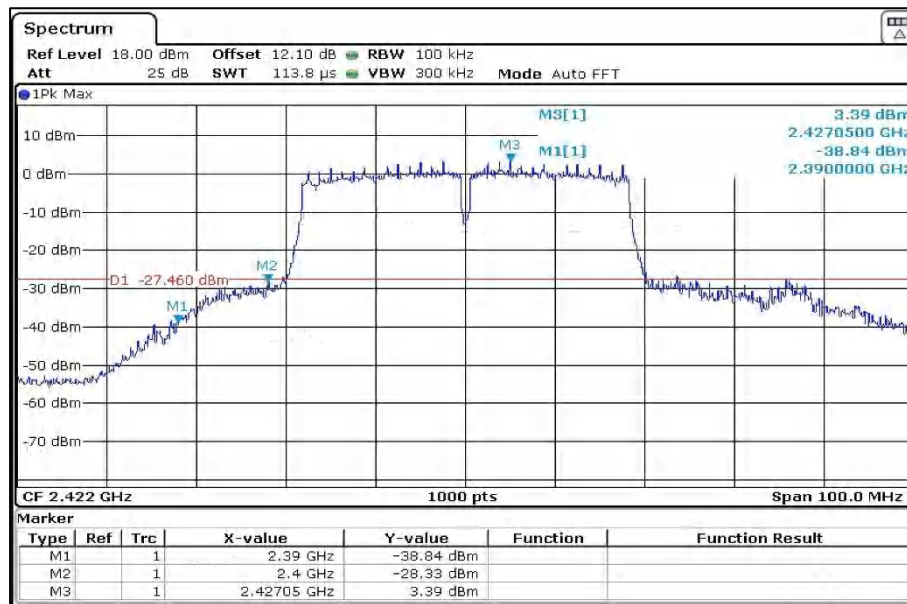
IN23WDIF 001

Test Report No.:

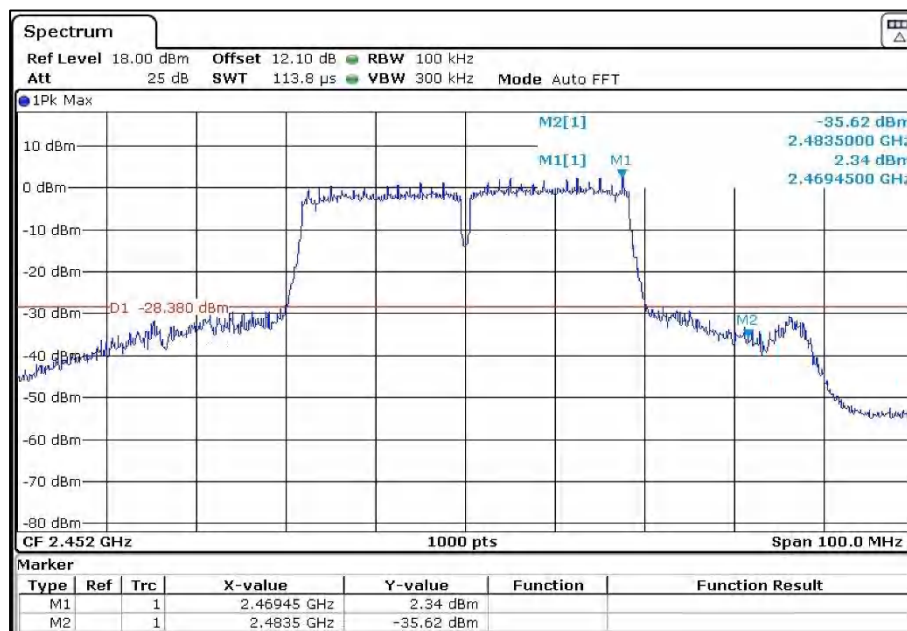
Modulation: 802.11n_HT40

Data Rate MCS0

Channel Frequency (MHz)	Band edge frequency (MHz)	Value at band edge (A) (dBm)	Reference value (B) (dBm)	A-B (dBc)	Minimum Limit (dBc)
2422.00	2400.00	-28.33	2.54	-30.87	-30
2452.00	2483.50	-35.62	1.62	-37.24	-30



Channel Frequency 2422MHz

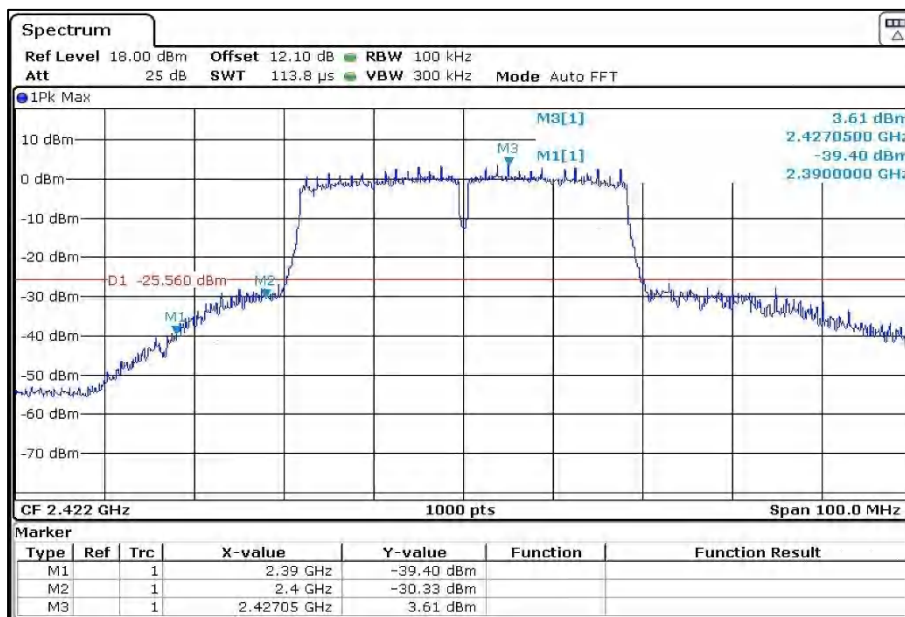


Channel Frequency 2452MHz

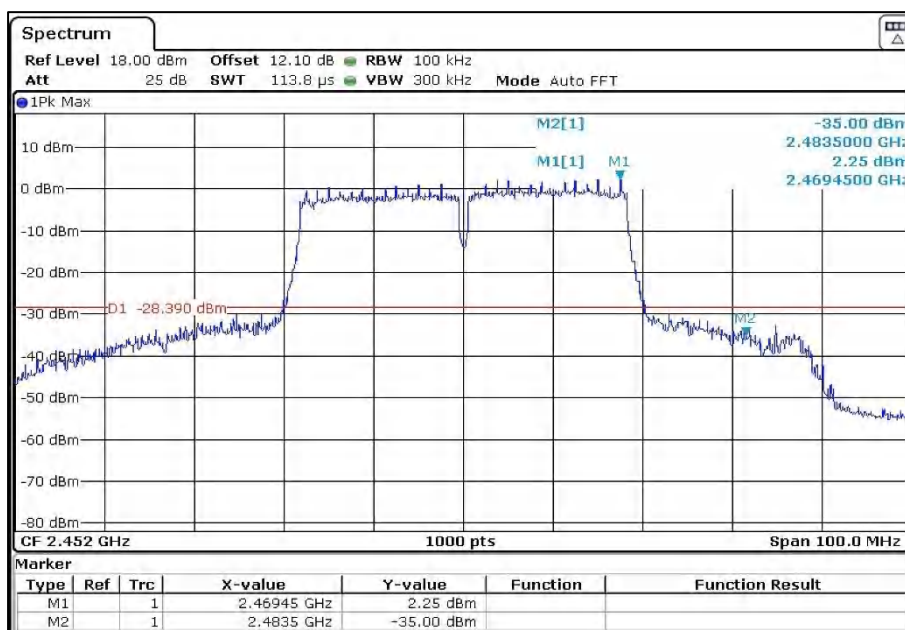
Modulation: 802.11ac_VHT40

Data Rate : MCS0

Channel Frequency (MHz)	Band edge frequency (MHz)	Value at band edge (A) (dBm)	Reference value (B) (dBm)	A-B (dBc)	Minimum Limit (dBc)
2422.00	2400.00	-30.33	4.44	-34.77	-30
2452.00	2483.50	-35.00	1.61	-36.61	-30



Channel Frequency 2422MHz



Channel Frequency 2452MHz

Prüfbericht - Nr.:
Test Report No.:

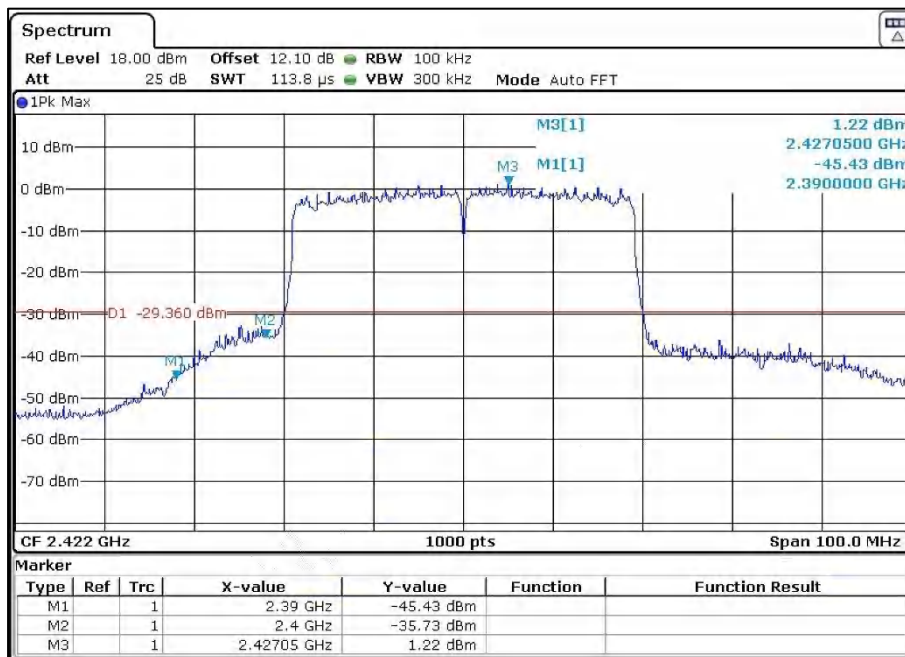
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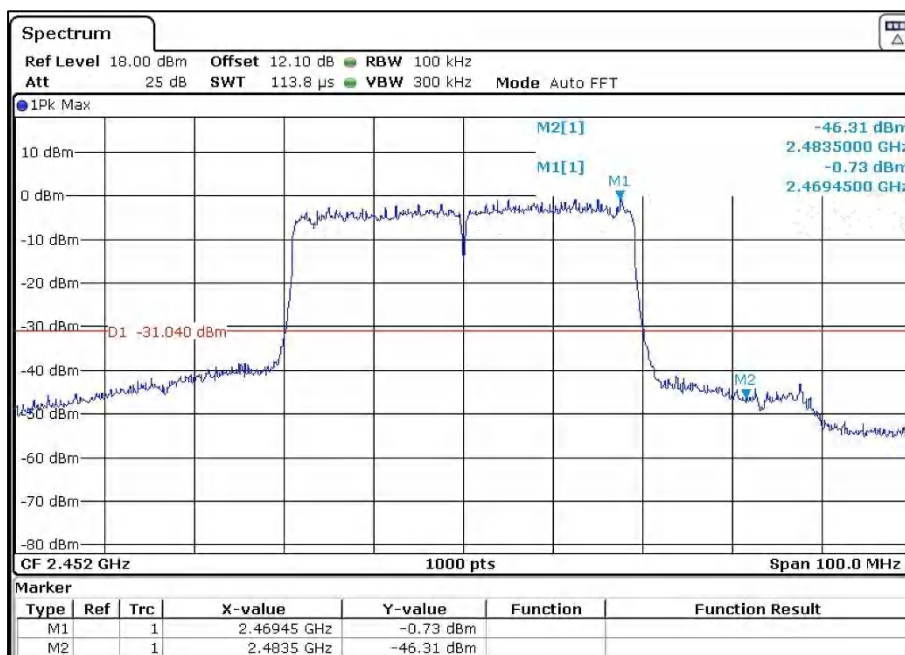
Modulation: 802.11ax_HE40

Data Rate : MCS0

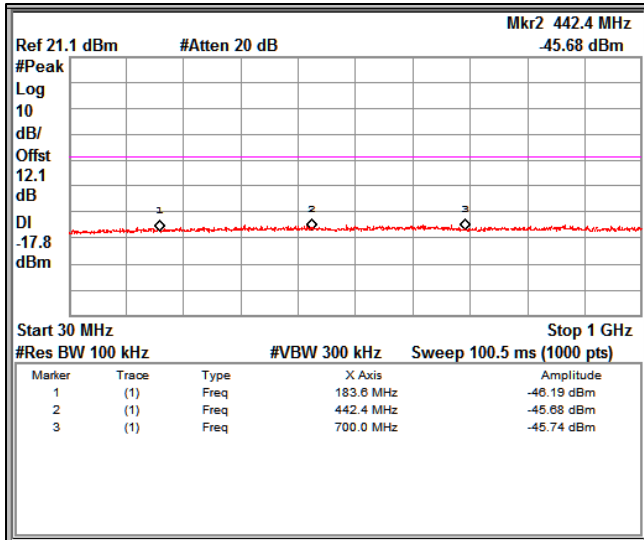
Channel Frequency (MHz)	Band edge frequency (MHz)	Value at band edge (A) (dBm)	Reference value (B) (dBm)	A-B (dBc)	Minimum Limit (dBc)
2422.00	2400.00	-35.73	0.64	-36.37	-30
2452.00	2483.50	-46.31	-0.04	-46.27	-30



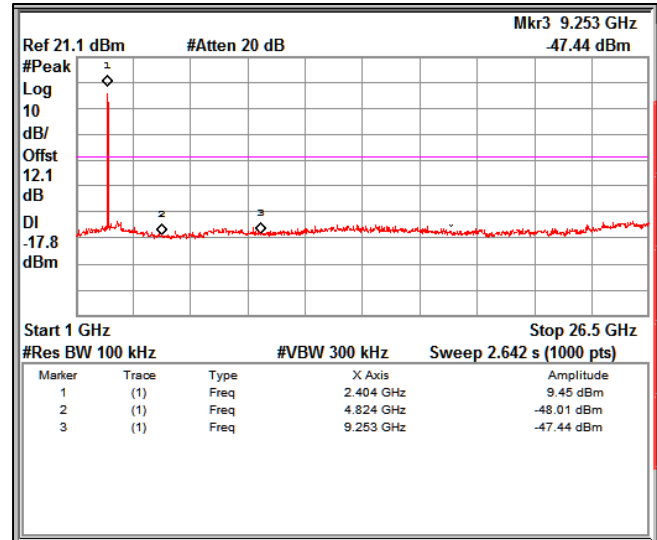
Channel Frequency 2422MHz



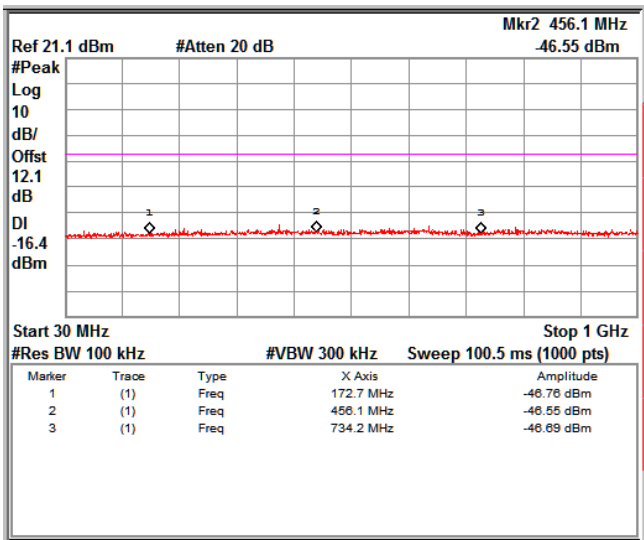
Channel Frequency 2452MHz

7.4.2 Out-Of-Band Emissions
Modulation: 802.11b
Data Rate 11Mbps


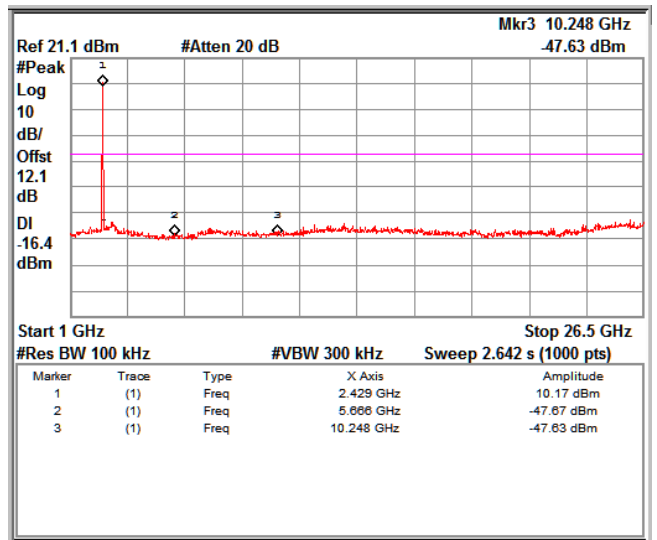
Channel Frequency 2412MHz Frequency Range 30MHz -1GHz



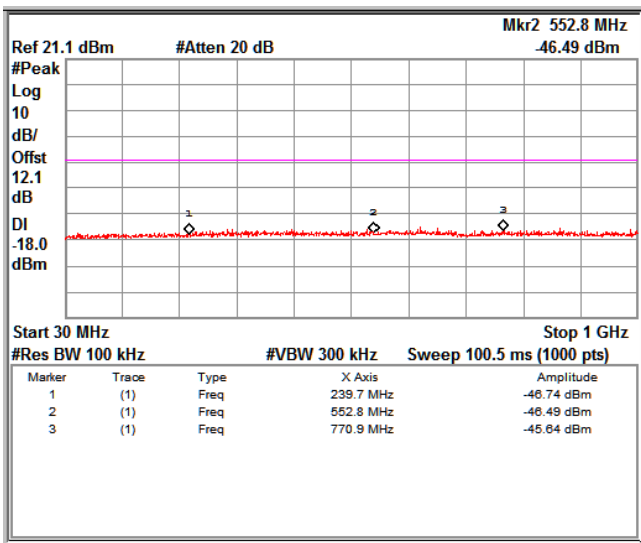
Channel Frequency 2412MHz Frequency Range 1GHz -26.5GHz



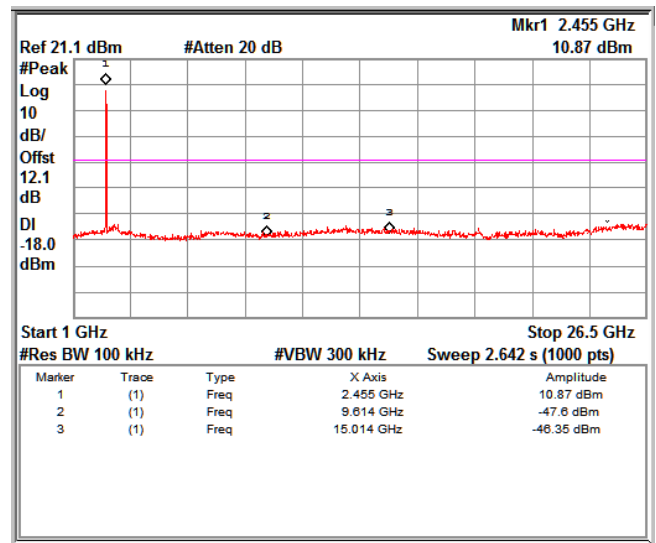
Channel Frequency 2437MHz Frequency Range 30MHz -1GHz



Channel Frequency 2437MHz Frequency Range 1GHz -26.5GHz

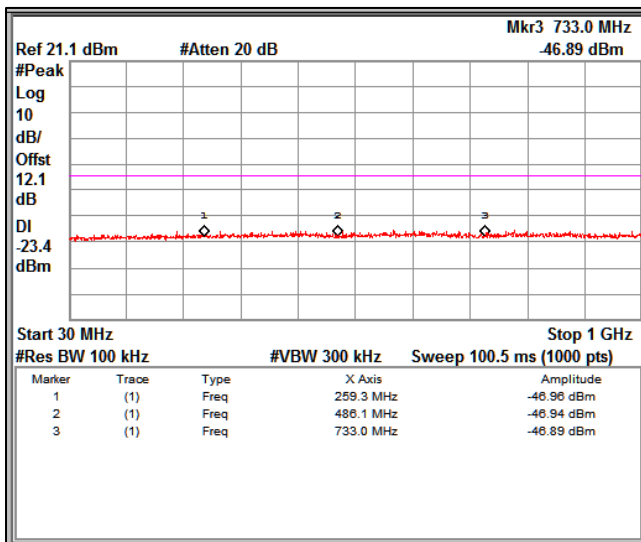


Channel Frequency 2462MHz Frequency Range 30MHz –1GHz

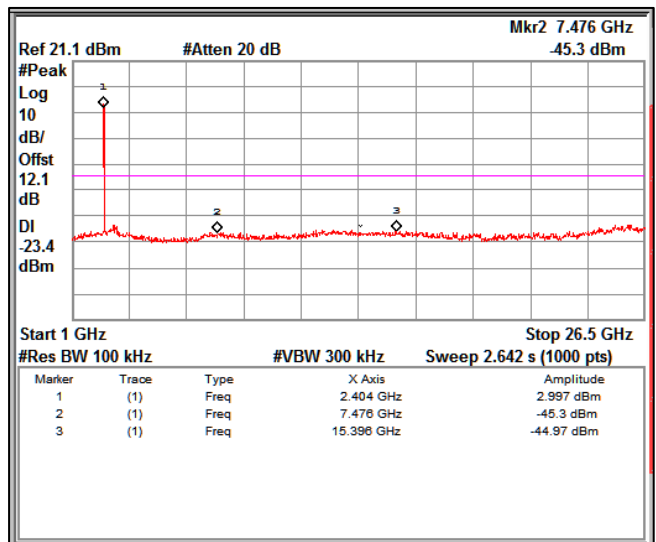


Channel Frequency 2462MHz Frequency Range 1GHz –26.5GHz

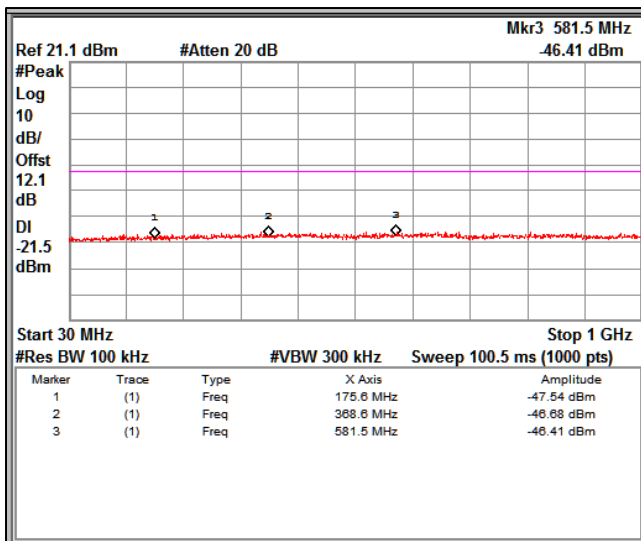
Modulation: 802.11g
Data Rate : 6Mbps



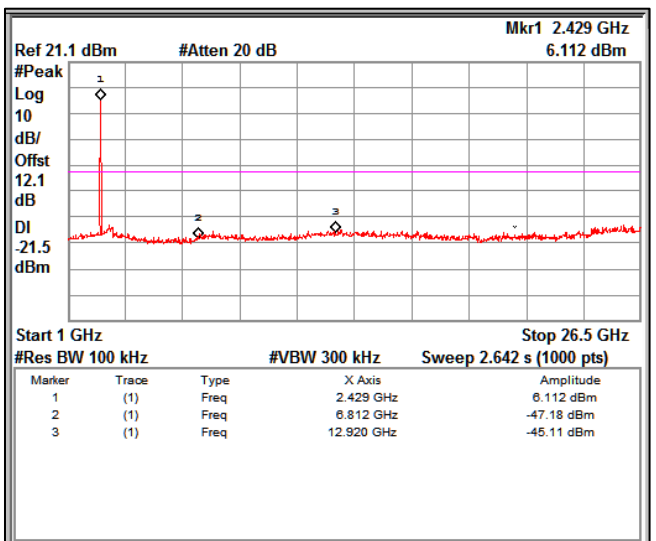
Channel Frequency 2412MHz Frequency Range 30MHz –1GHz



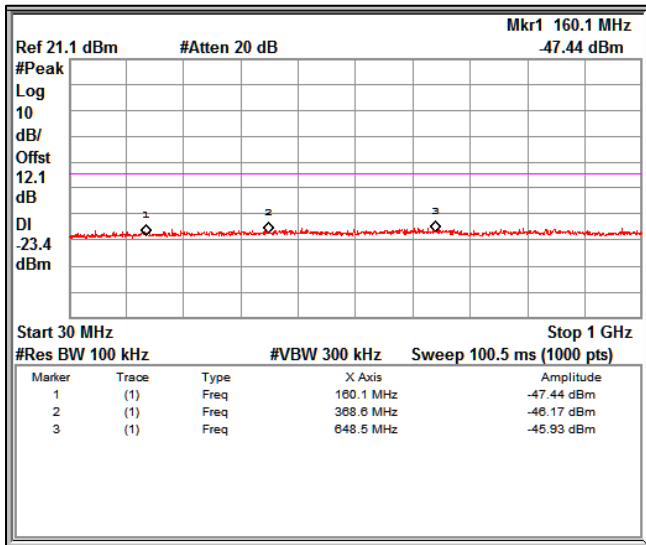
Channel Frequency 2412MHz Frequency Range 1GHz –26.5GHz



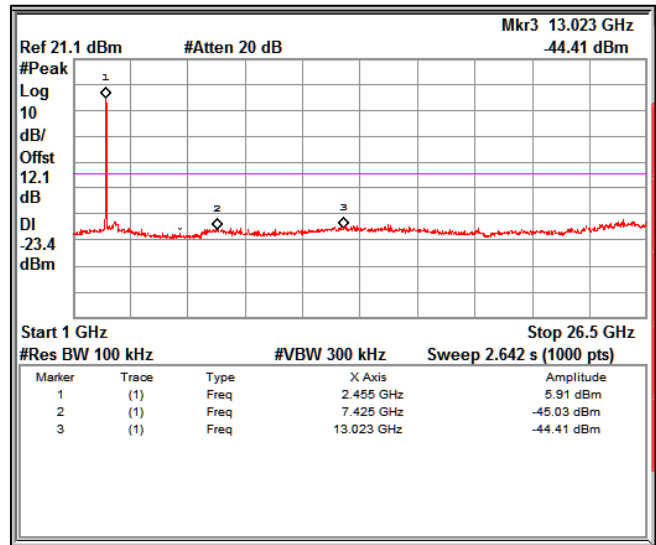
Channel Frequency 2437MHz Frequency Range 1GHz –26.5GHz



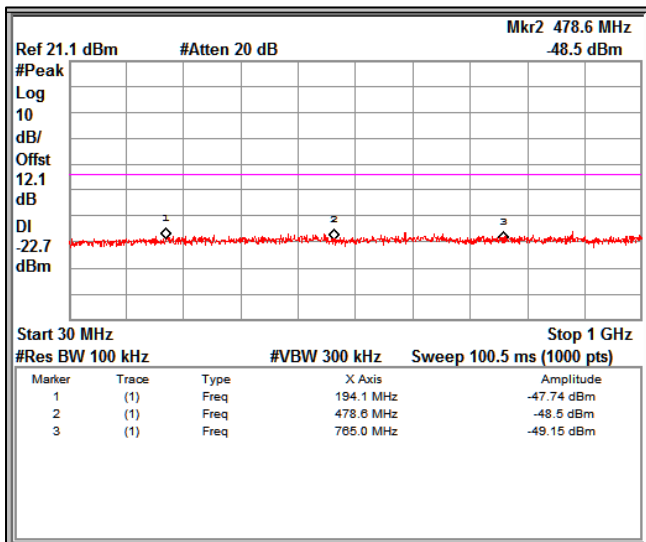
Channel Frequency 2437MHz Frequency Range 1GHz –26.5GHz



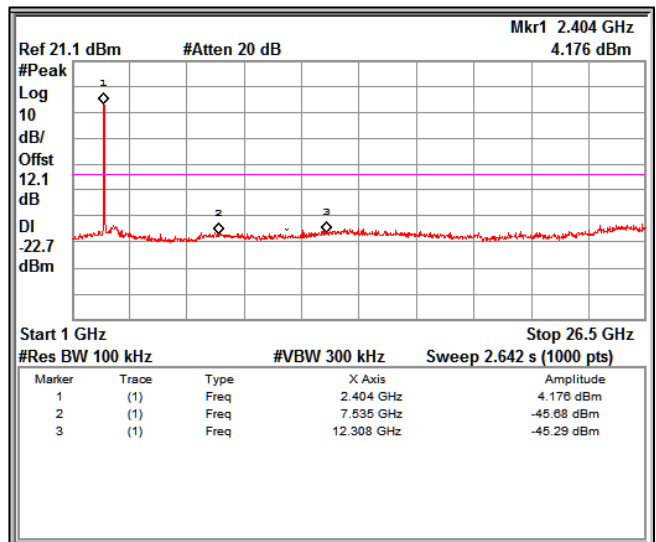
Channel Frequency 2462MHz Frequency Range 30MHz –1GHz



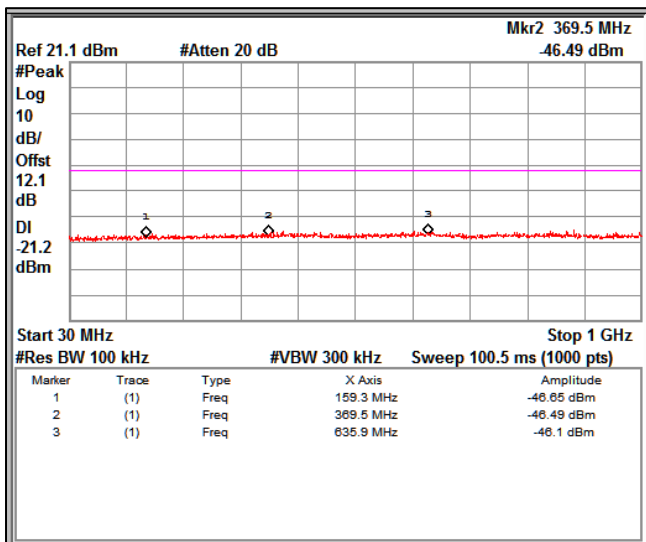
Channel Frequency 2462MHz Frequency Range 1GHz –26.5GHz

Modulation: 802.11n-HT_20
Data Rate : MCS0


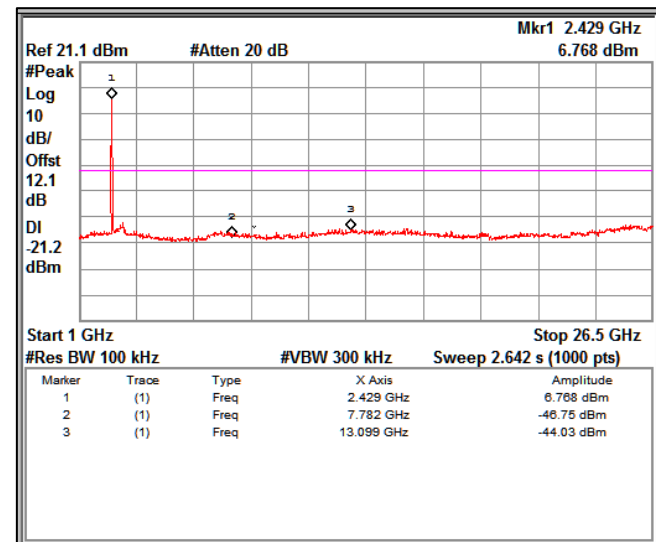
Channel Frequency 2412MHz Frequency Range 30MHz –1GHz



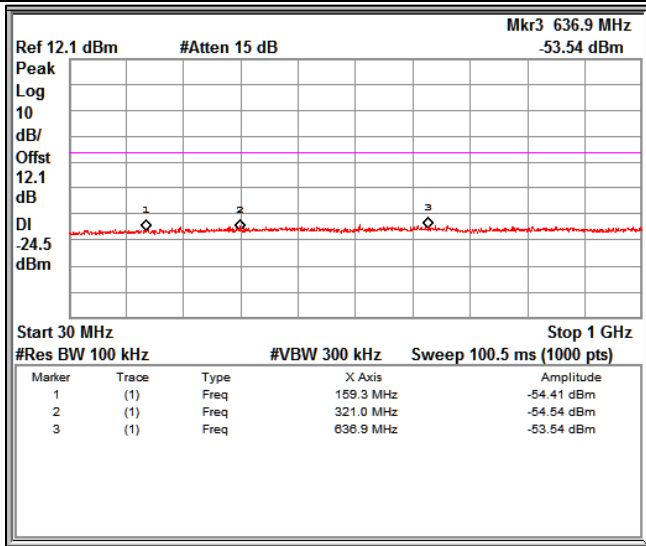
Channel Frequency 2412MHz Frequency Range 1GHz –26.5GHz



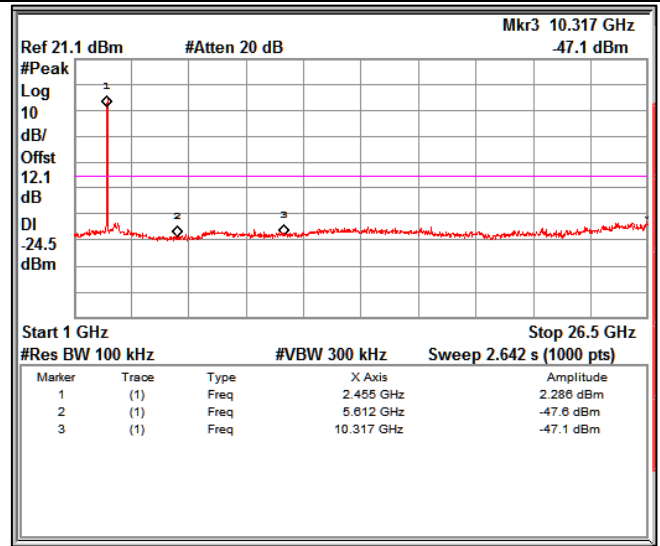
Channel Frequency 2437MHz Frequency Range 30MHz –1GHz



Channel Frequency 2437MHz Frequency Range 1GHz –26.5GHz



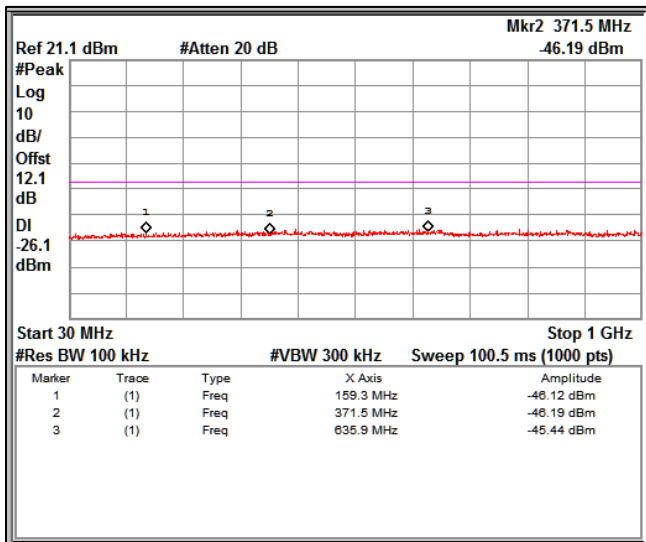
Channel Frequency 2462MHz Frequency Range 30MHz -1GHz



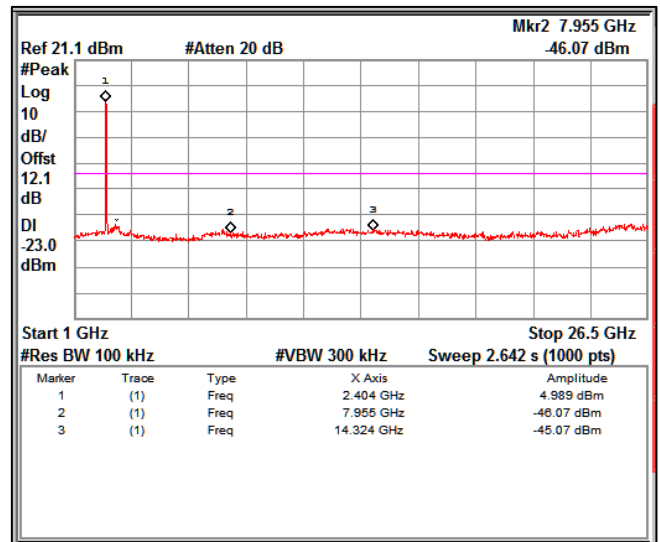
Channel Frequency 2462MHz Frequency Range 1GHz -26.5GHz

Modulation: 802.11ac-VHT_20

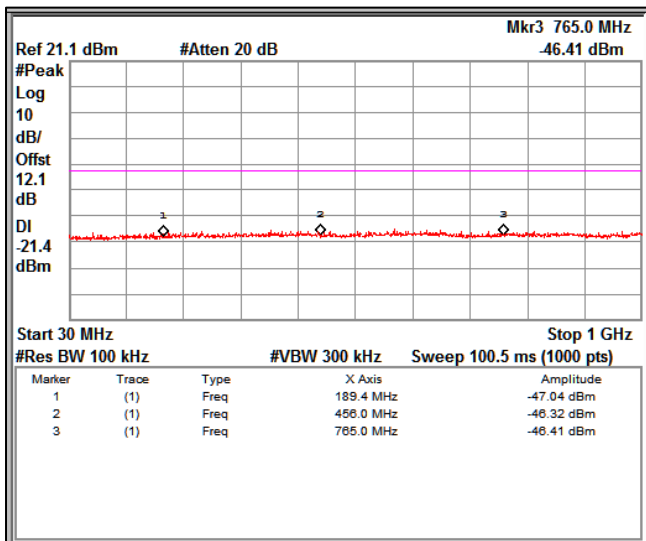
Data Rate : MCS0



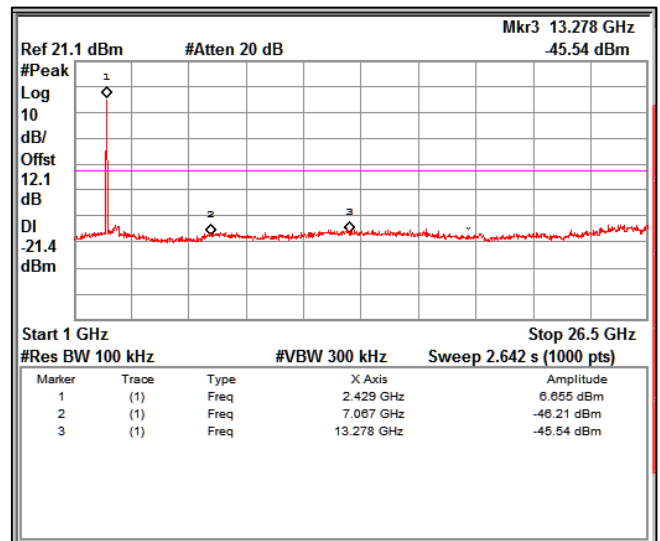
Channel Frequency 2412MHz Frequency Range 30MHz -1GHz



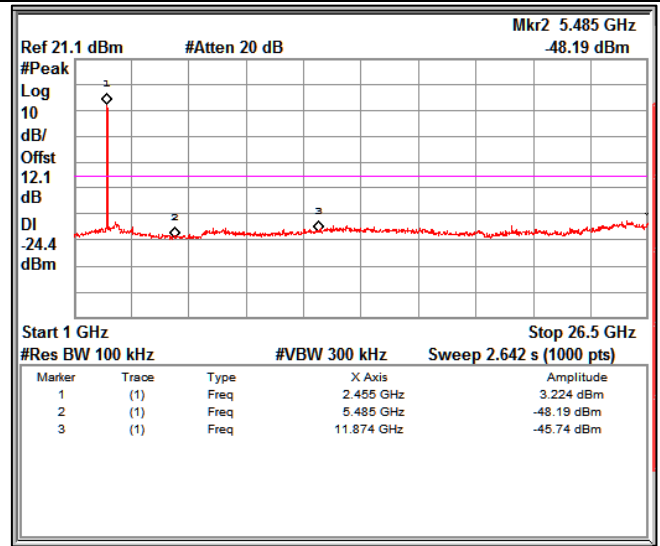
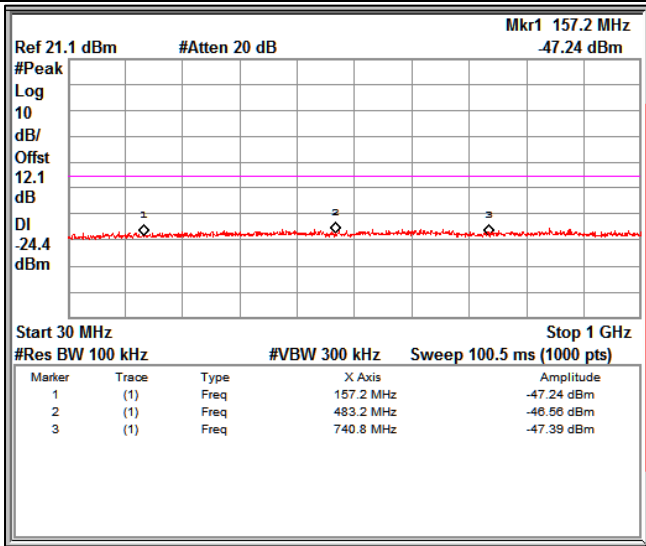
Channel Frequency 2412MHz Frequency Range 1GHz -26.5GHz



Channel Frequency 2437MHz Frequency Range 30MHz -1GHz

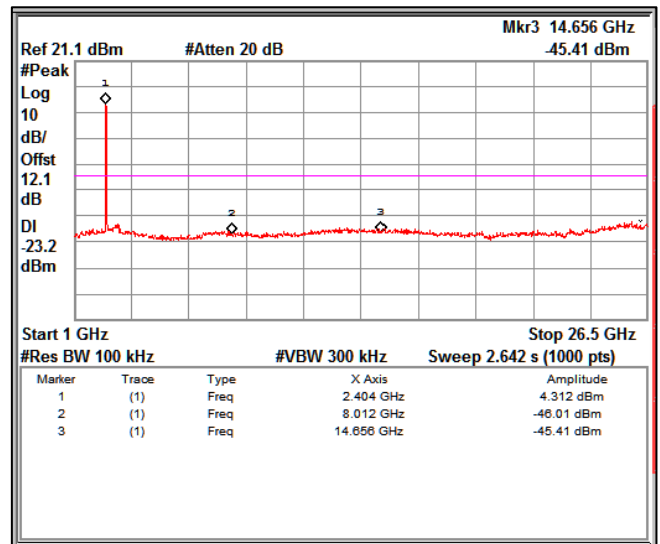
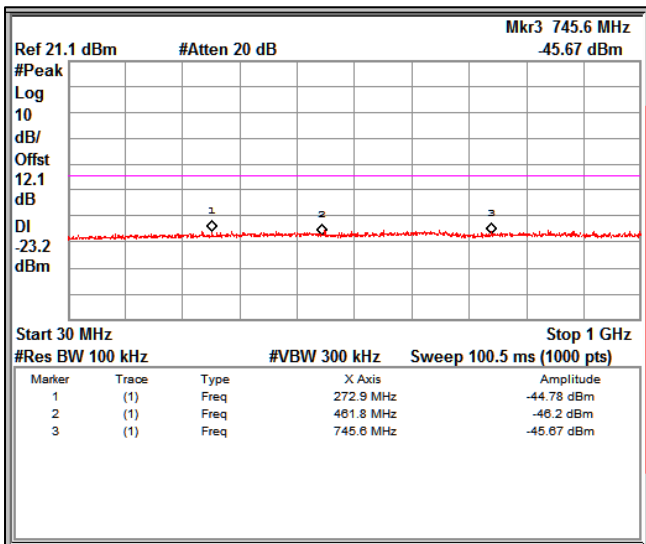


Channel Frequency 2437MHz Frequency Range 1GHz -26.5GHz



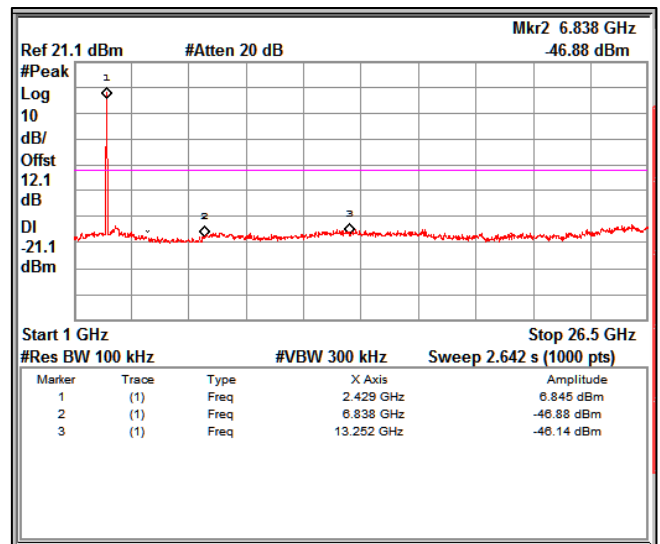
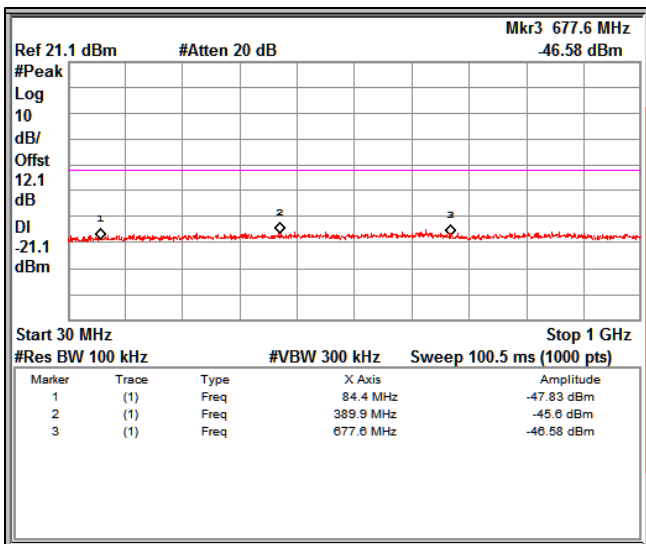
Channel Frequency 2462MHz Frequency Range 30MHz -1GHz

Channel Frequency 2462MHz Frequency Range 1GHz -26.5GHz

Modulation: 802.11ax-HE_20
Data Rate : MCS0


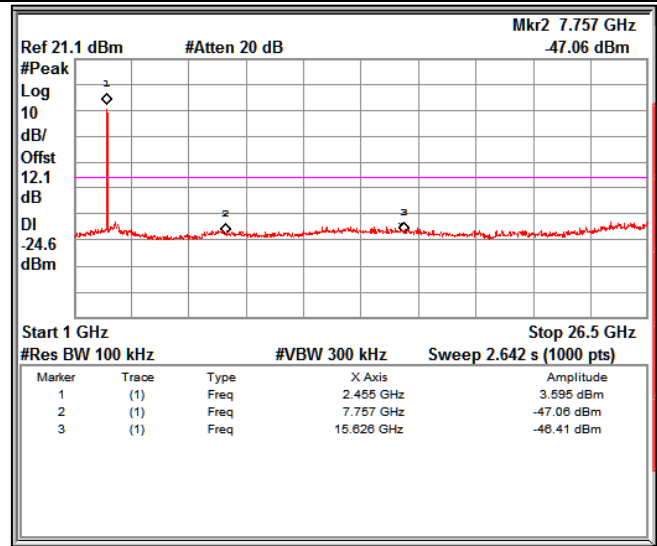
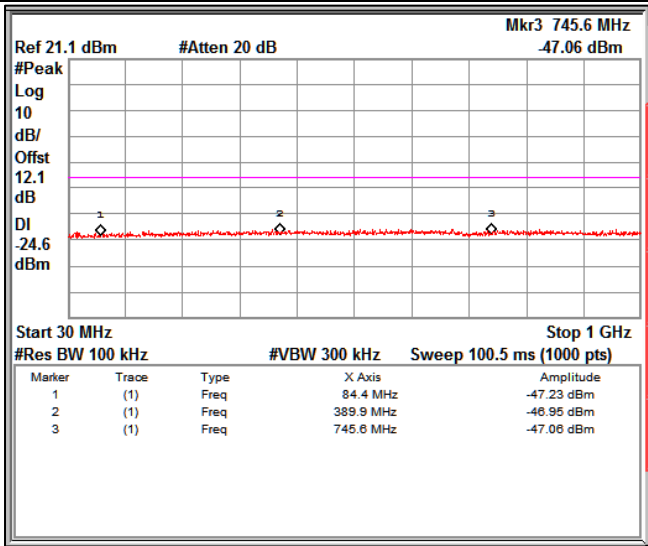
Channel Frequency 2412MHz Frequency Range 30MHz -1GHz

Channel Frequency 2412MHz Frequency Range 1GHz -26.5GHz



Channel Frequency 2437MHz Frequency Range 30MHz -1GHz

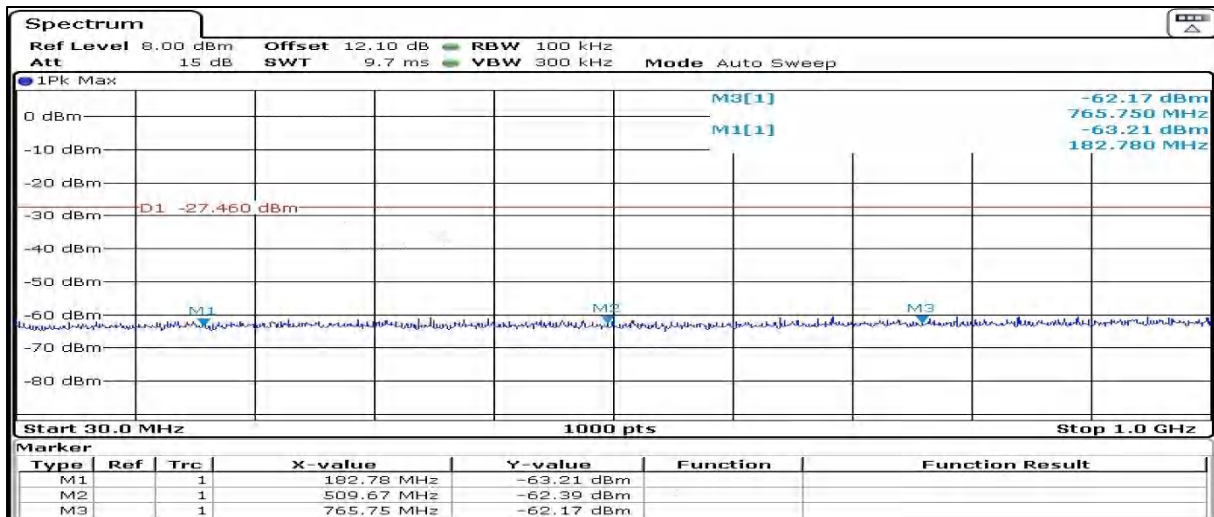
Channel Frequency 2437MHz Frequency Range 1GHz -26.5GHz



Channel Frequency 2462MHz Frequency Range 30MHz -1GHz

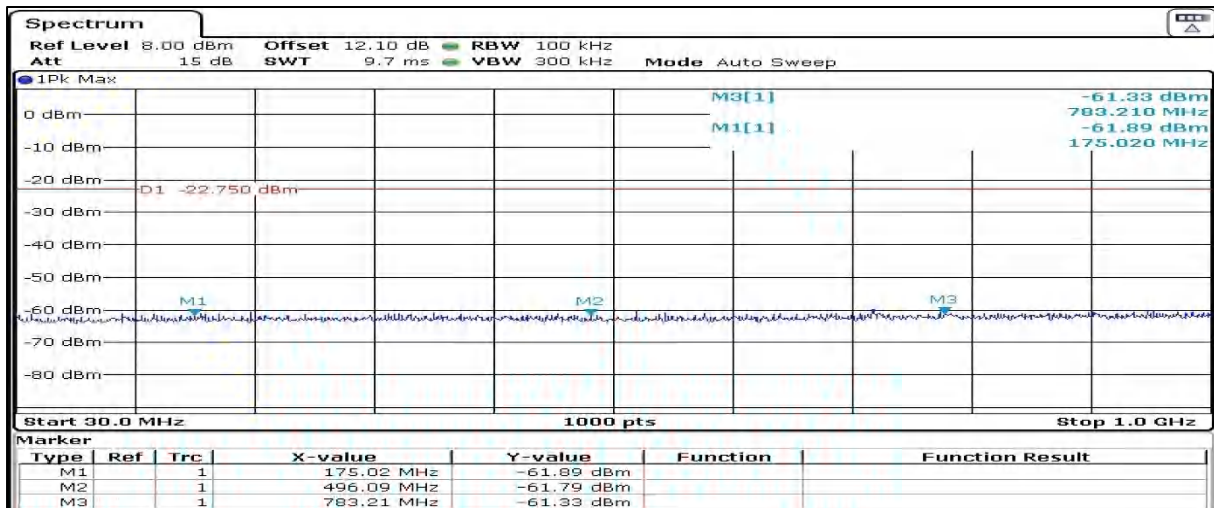
Channel Frequency 2462MHz Frequency Range 1GHz -26.5GHz

Modulation: 802.11n-HT_40
Data Rate : MCS0



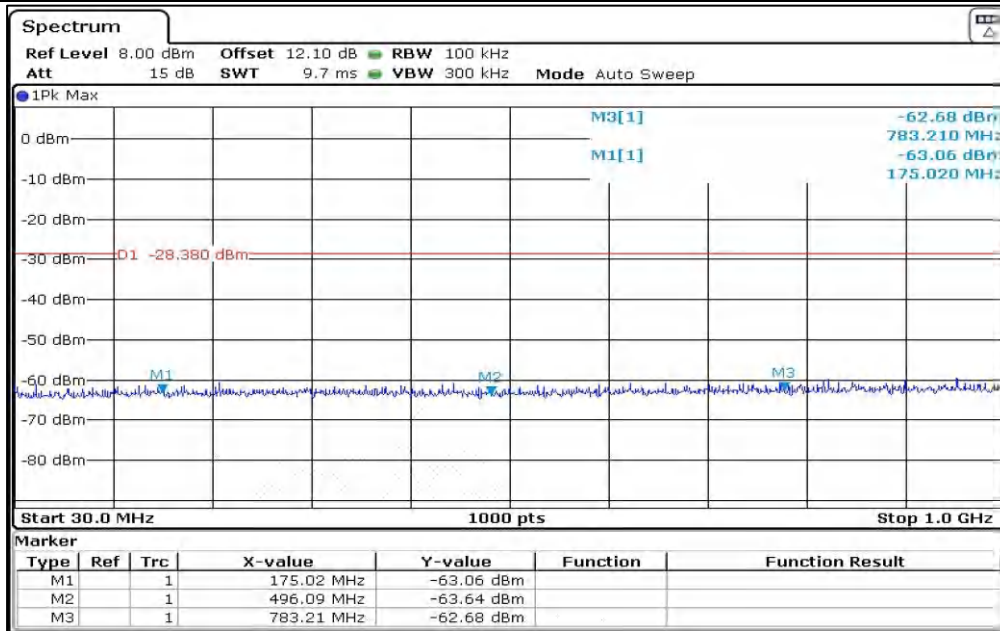
Channel frequency 2422MHz

Frequency Range 30MHz -1GHz



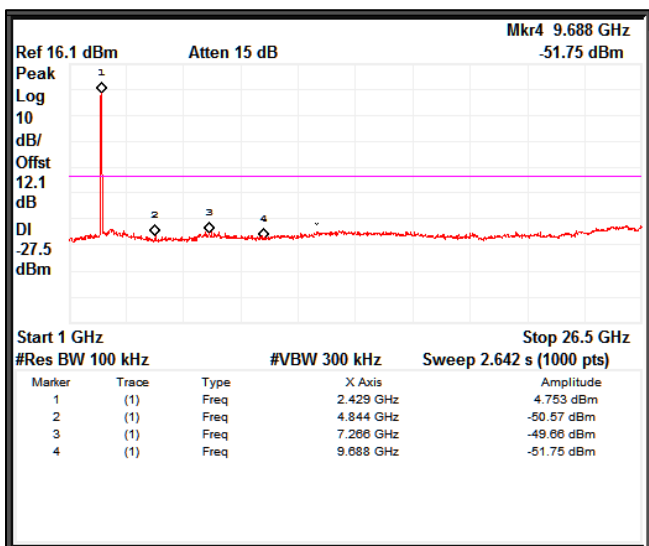
Channel frequency 2437MHz

Frequency Range 30MHz -1GHz



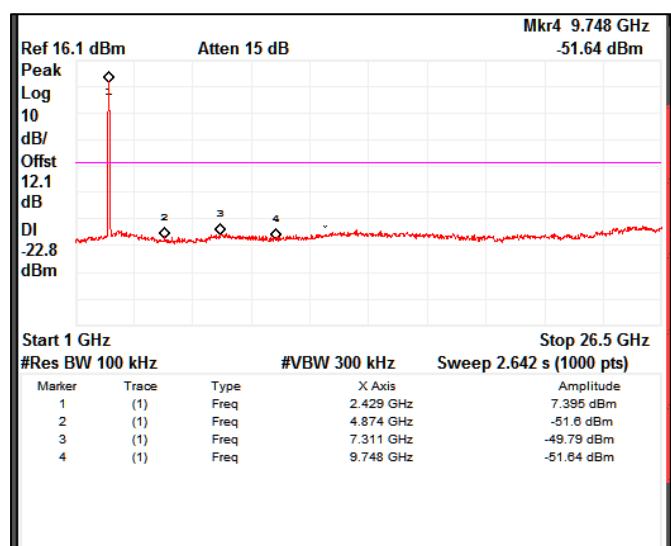
Channel frequency 2452MHz

Frequency Range 30MHz -1GHz



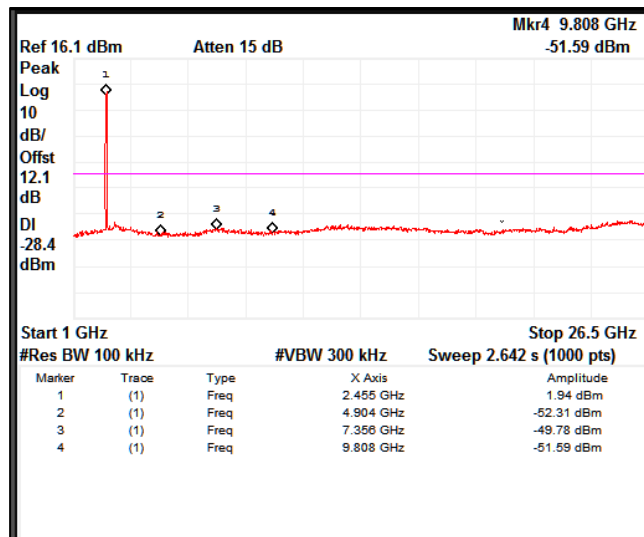
Channel frequency 2422MHz

Frequency Range 1GHz -26.5GHz



Channel frequency 2437MHz

Frequency Range 1GHz -26.5GHz



Channel frequency 2452MHz

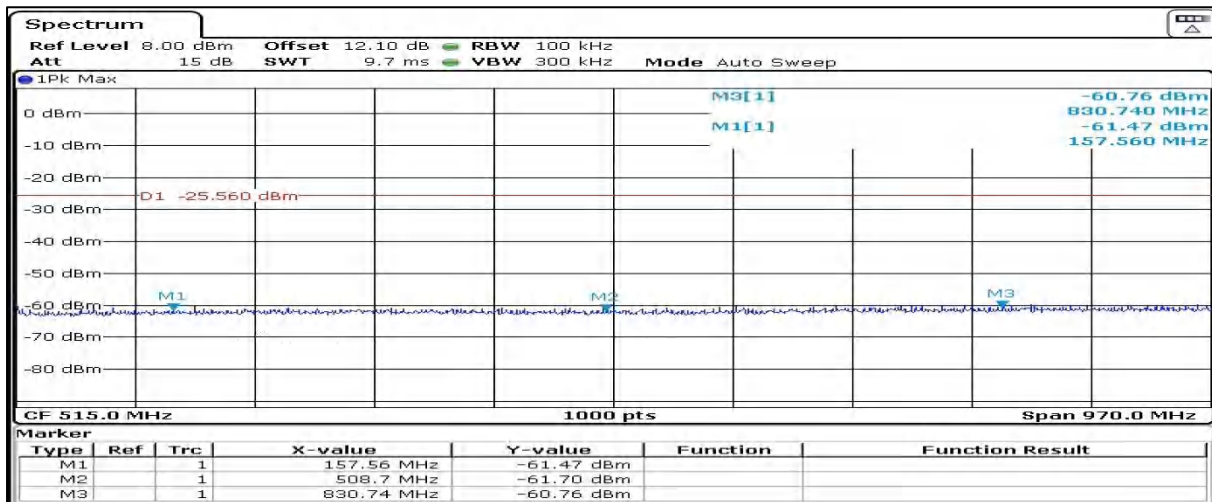
Frequency Range 1GHz -26.5GHz

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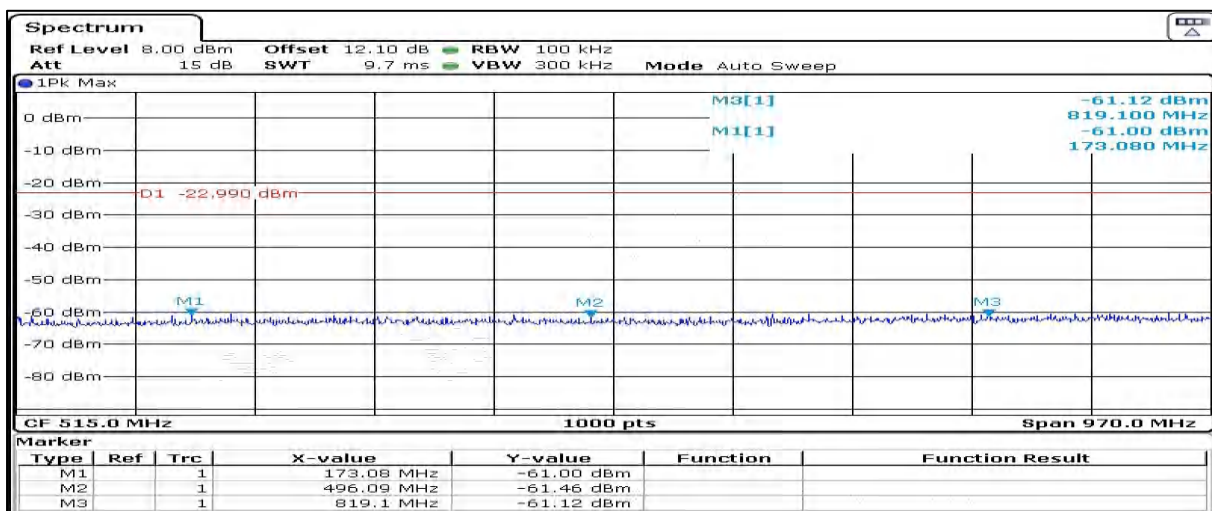
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Modulation: 802.11ac-VHT_40
Data Rate : MCS0



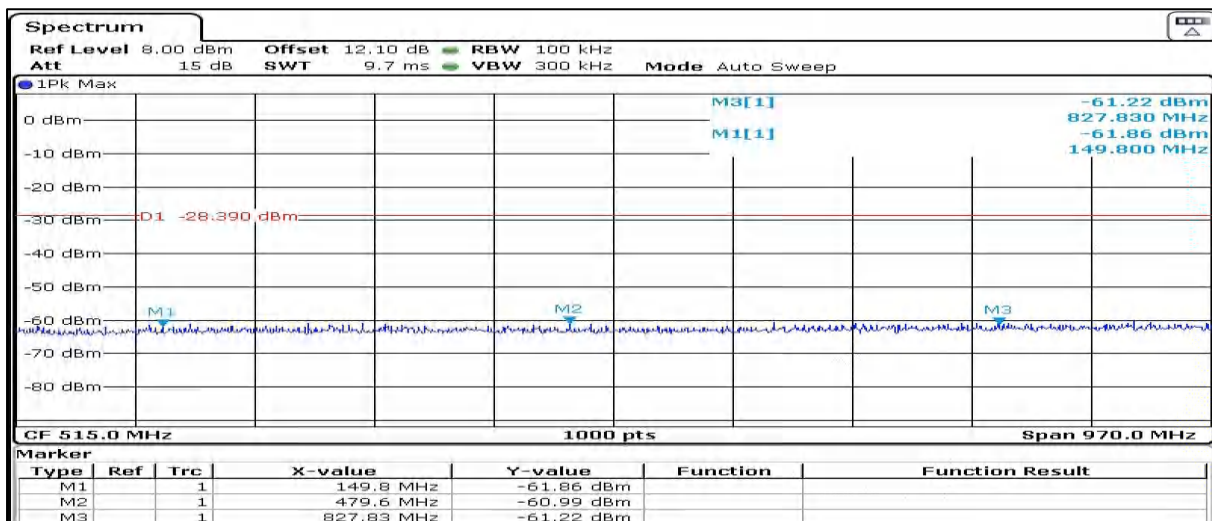
Channel frequency 2422MHz

Frequency Range 30MHz -1GHz



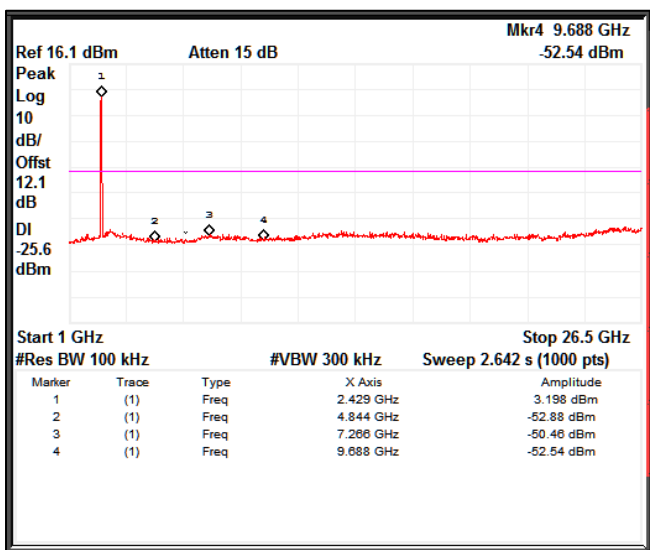
Channel frequency 2437MHz

Frequency Range 30MHz -1GHz

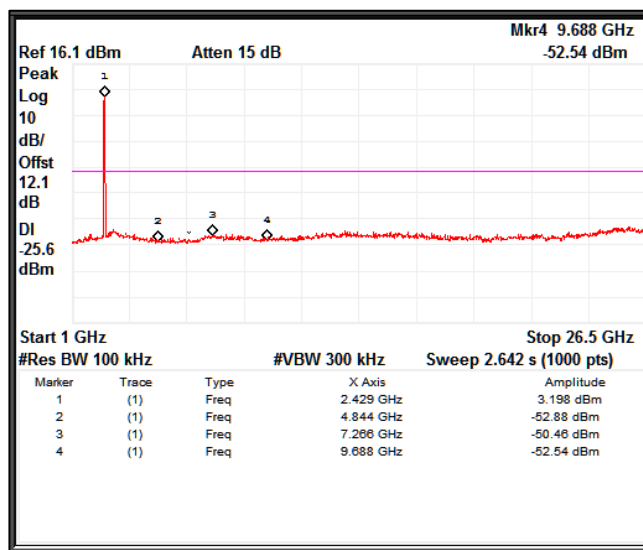


Channel frequency 2452MHz

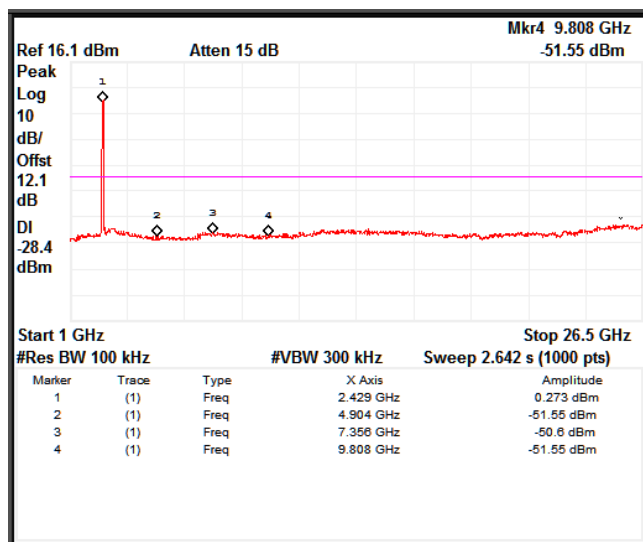
Frequency Range 30MHz -1GHz



Channel frequency 2422MHz Frequency Range 1GHz –26.5GHz



Channel frequency 2437MHz Frequency Range 1GHz –26.5GHz



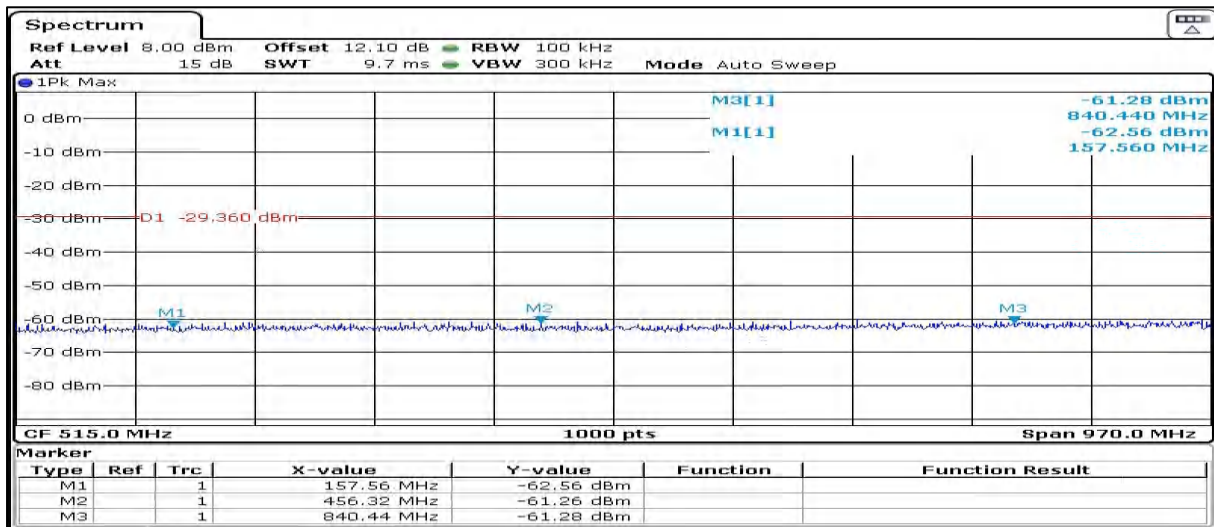
Channel frequency 2452MHz Frequency Range 1GHz –26.5GHz

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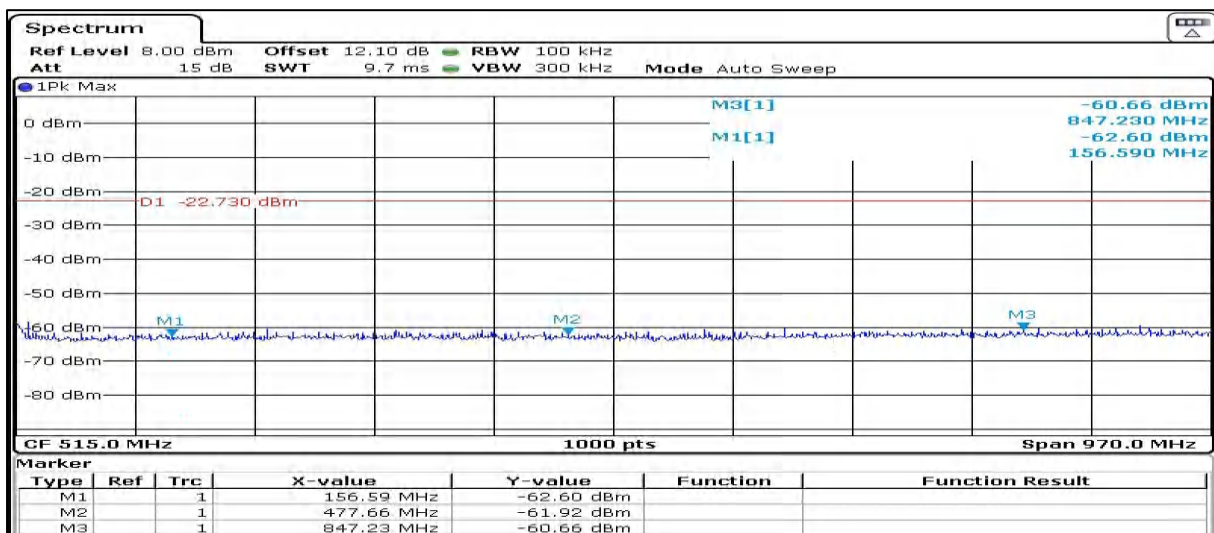
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Modulation: 802.11ax-HE_40
Data Rate : MCS0



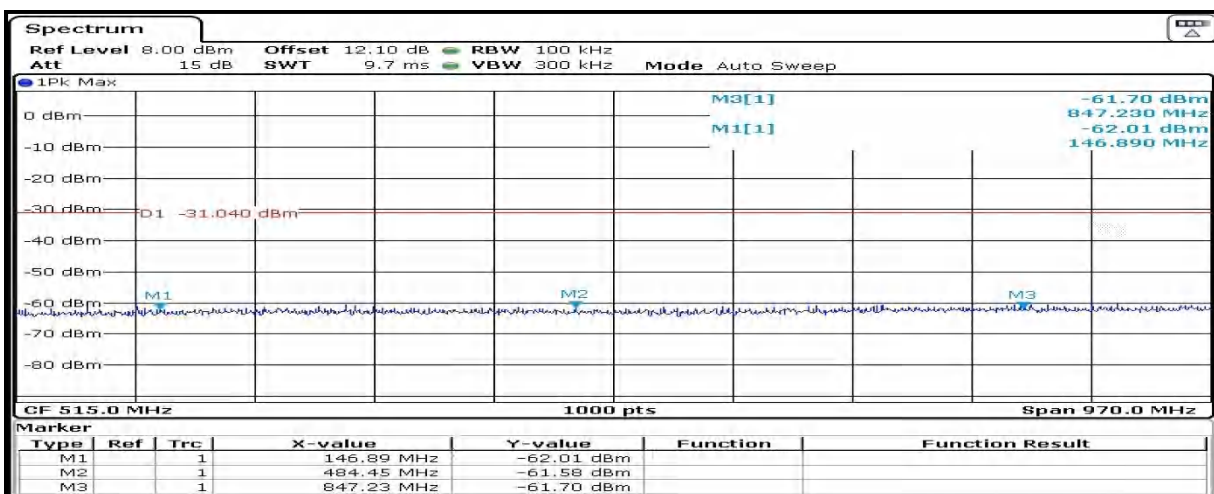
Channel frequency 2422MHz

Frequency Range 30MHz -1GHz



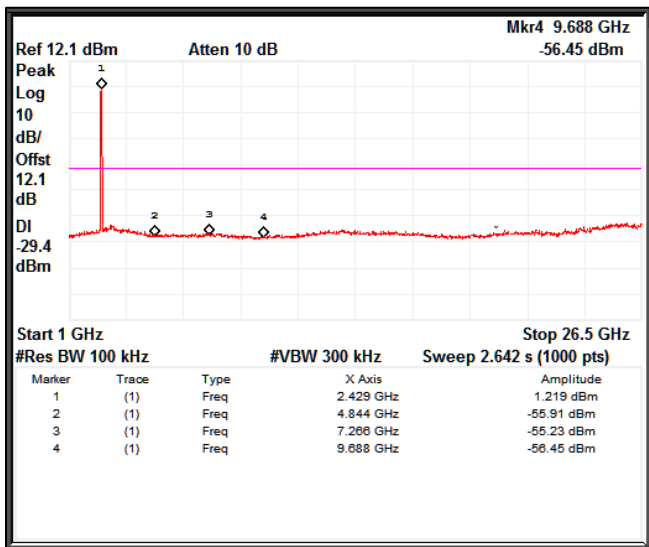
Channel frequency 2437MHz

Frequency Range 30MHz -1GHz

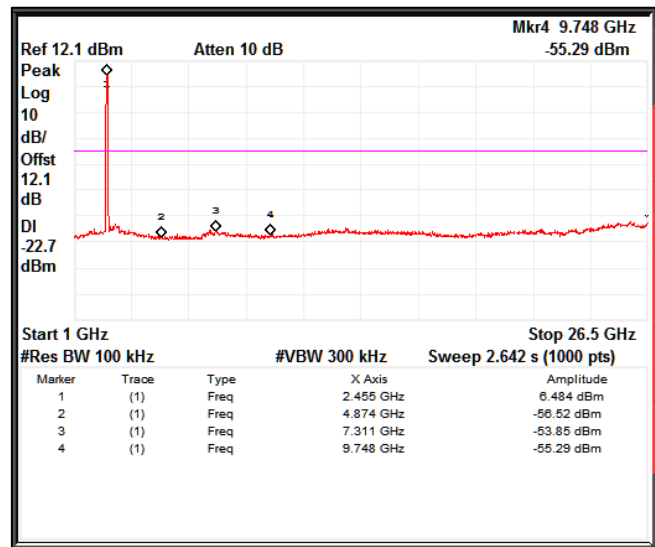


Channel frequency 2452MHz

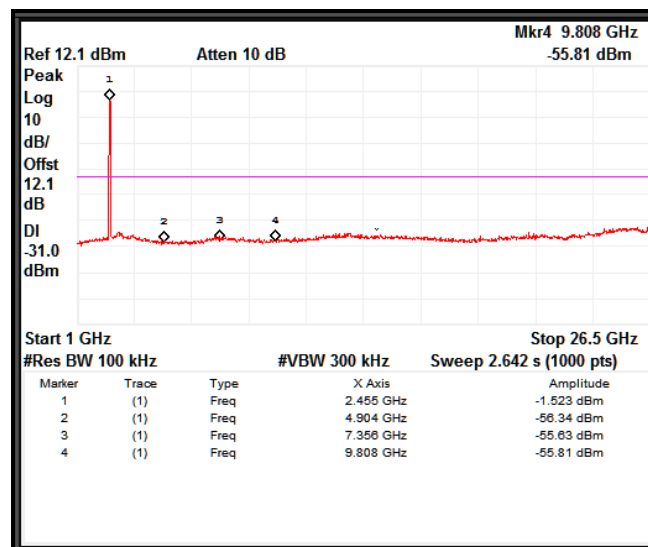
Frequency Range 30MHz -1GHz



Channel frequency 2422MHz Frequency Range 1GHz –26.5GHz



Channel frequency 2437MHz Frequency Range 1GHz –26.5GHz



Channel frequency 2452MHz Frequency Range 1GHz –26.5GHz

7.5 Spurious Radiated Emissions & Restricted Bands of Operation

Result	Pass
Test Specification	FCC part 15 Subpart C 15.247 (d) / (15.209 & 15.205) / IC RSS-GEN, Section 8.9 and 8.10
Test Method	ANSI C63.10
Measurement Location	Semi Anechoic Chamber 30MHz - 1 GHz Fully Anechoic Chamber 1 GHz - 40GHz
Measurement Bandwidth	100 kHz for frequency range < 1GHz 1 MHz for Frequency range >1GHz
Detector	Refer remarks below
Measuring Distance	3 m
Requirement	As per the limits mentioned in the below table
Test setup	Refer Clause 7 TEST METHODOLOGY

Table 7: Transmitter limits for Radiated emission

Frequency (MHz)	Field strength (µV/m)	Field strength (dBµV/m)	Distance of Measurement (m)
0.009 – 0.490	2400/F(kHz)	48.50 – 13.80	300*
0.490 – 1.705	24000/F(kHz)	33.80 – 23.00	30*
1.705 -30	30	29.54	30*
30-88	100	40.0	3
88-216	150	43.5	3
216-960	200	46.0	3
Above 960	500	54.0	3

Remark: * The limit shows in the table above of frequency range 0.009 – 0.490, 0.490 – 1.705 MHz and 1.705-30MHz is at 300 meter, 30 meter and 30 meter range respectively, which corresponds to 128.51 – 93.80, 73.80 – 62.96 and 69.54 dBµV/m at 3m range by extrapolation calculation and the measurement of loop antenna.

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.

Test Conditions:

Temperature (Norm) = + 25 °C Voltage = 5.0V AC to DC Adaptor Relative humidity = 62 %

Test results:

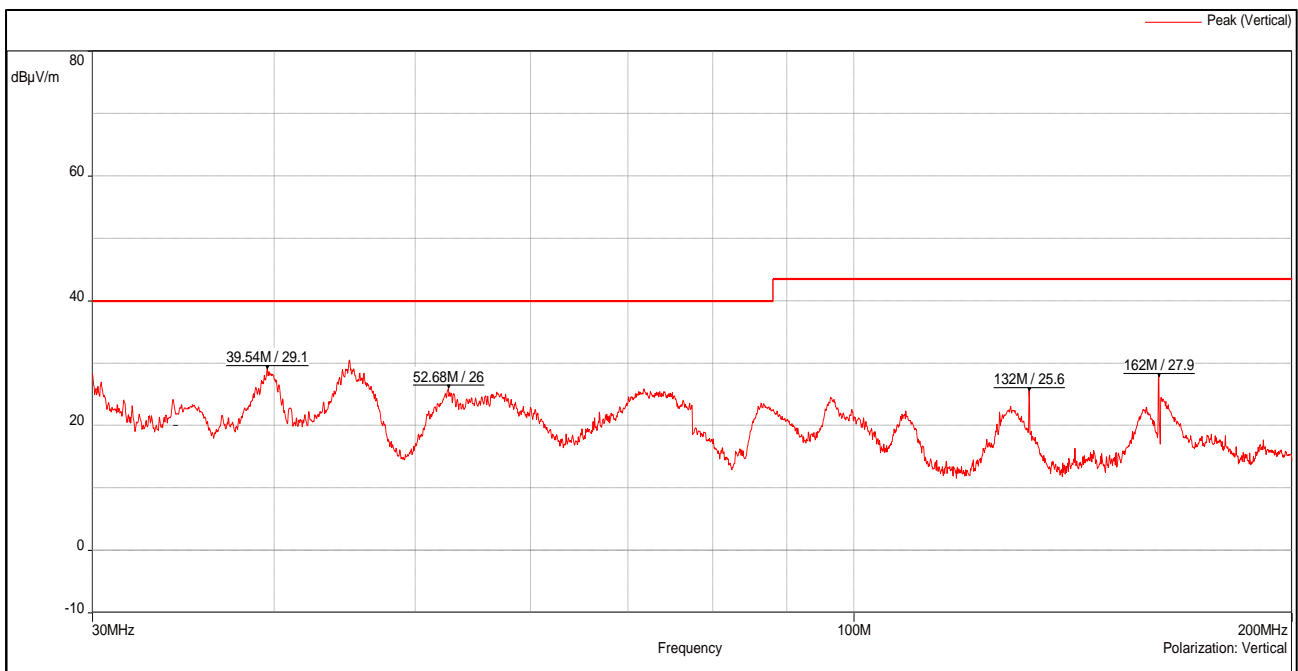
Note: All the losses are included during measurement and final values are mentioned in the test report. Refer Clause 7 TEST METHODOLOGY for more details

Test results for frequency range 9kHz – 30MHz

No emissions found in frequency range 9 kHz to 30 MHz, and measured levels are below 20dB from the limit line, hence not reported

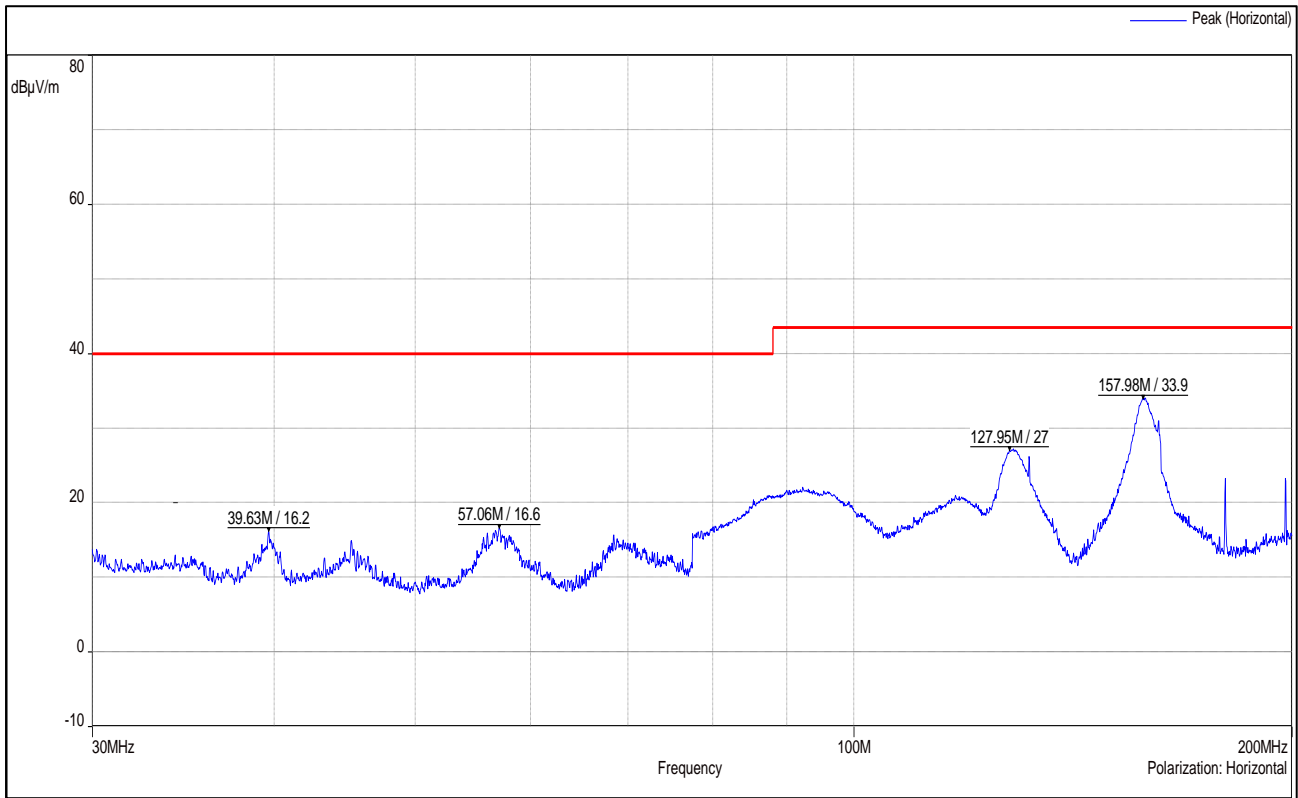
Test results for frequency range 30MHz – 1GHz

Antenna Polarization	Measured Frequency (MHz)	Measured value (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	39.54	29.10	40.00	-10.90
	52.68	26.00	40.00	-14.00
	132.00	25.60	43.50	-17.90
	162.00	27.90	43.50	-15.60
	238.64	9.99	46.00	-36.01
	395.99	12.90	46.00	-33.10
	653.45	14.90	46.00	-31.10
Horizontal	39.63	16.20	40.00	-23.80
	57.06	16.60	43.50	-26.90
	127.95	27.00	43.50	-16.50
	157.98	33.93	43.50	-9.57
	263.99	3.93	46.00	-42.07
	395.99	18.70	46.00	-27.30
	659.84	14.20	46.00	-31.80



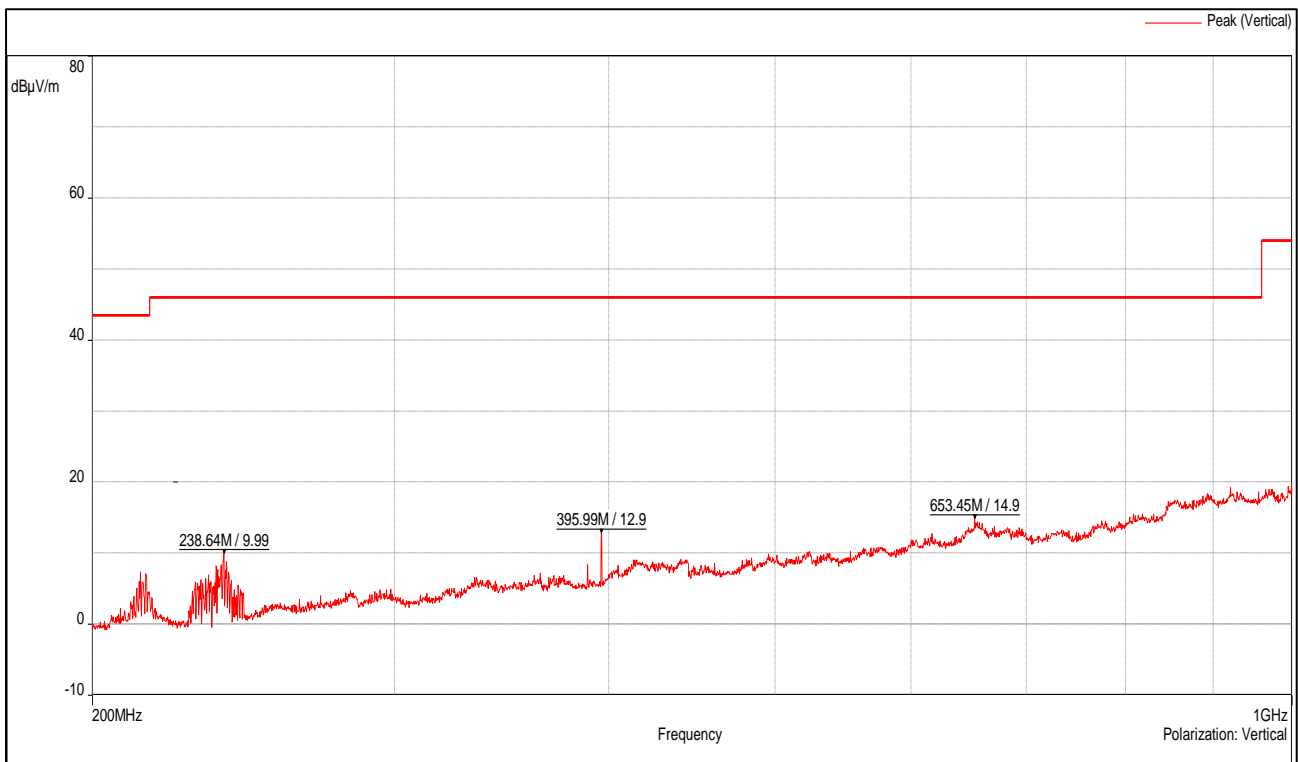
Channel Frequency 30MHz – 200MHz

Polarization Vertical



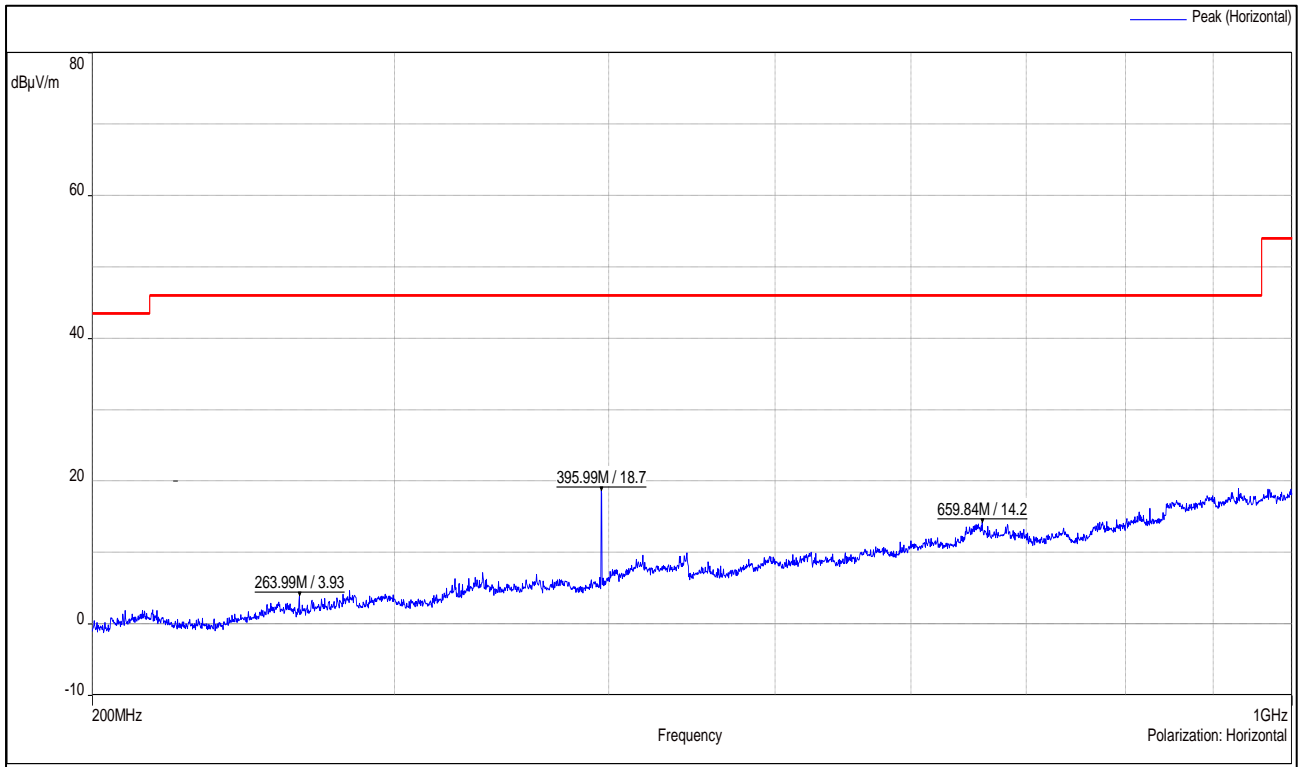
Channel Frequency 30MHz – 200MHz

Polarization Horizontal



Channel Frequency 200MHz – 1GHz

Polarization Vertical



Channel Frequency 200MHz – 1GHz

Polarization Horizontal

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Test results for the frequencies in the range 1 GHz to 26.5 GHz

Antenna Type: MAF94367(Omni Directional Antenna) RPSMA Antenna Results

Modulation: 802.11b

Data Rate: 1Mbps

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
2412	Vertical	2412(Pk)	104.44	-	-
		2412(Av)	101.82	-	-
		2390(Pk)	49.54	74*	-24.46
		2390(Av)	38.11	54*	-15.89
		4824(Pk)	42.86	74	-31.14
		4824(Av)	30.98	54	-23.02
		7236(Pk)	48.64	74	-25.36
		7236(Av)	39.21	54	-14.79
	Horizontal	2412(Pk)	103.25	-	-
		2412(Av)	100.74	-	-
		2390(Pk)	47.05	74*	-26.95
		2390(Av)	35.84	54*	-18.16
		4824(Pk)	41.97	74	-32.03
		4824(Av)	30.04	54	-23.96
		7236(Pk)	47.57	74	-26.43
		7236(Av)	35.71	54	-18.29
2437	Vertical	2437(Pk)	109.24	-	-
		2437(Av)	106.64	-	-
		4874(Pk)	42.90	74	-31.10
		4874(Av)	30.29	54	-23.71
		7311(Pk)	51.15	74	-22.85
		7311(Av)	42.74	54	-11.26
	Horizontal	2437(Pk)	106.89	-	-
		2437(Av)	104.41	-	-
		4874(Pk)	41.97	74	-32.03
		4874(Av)	29.93	54	-24.07
		7311(Pk)	48.06	74	-25.94
		7311(Av)	36.63	54	-17.37
2462	Vertical	2462(Pk)	106.64	-	-
		2462(Av)	104.17	-	-
		2483.5(Pk)	53.59	74*	-20.41
		2483.5(Av)	42.73	54*	-11.27
		4924(Pk)	43.11	74	-30.89
		4924(Av)	32.07	54	-21.93
		7386(Pk)	48.67	74	-25.33
		7386(Av)	38.51	54	-15.49
	Horizontal	2462(Pk)	103.32	-	-
		2462(Av)	100.83	-	-
		2483.5(Pk)	47.60	74*	-26.40
		2483.5(Av)	36.50	54*	-17.50
		4924(Pk)	42.38	74	-31.62
		4924(Av)	30.05	54	-23.95
		7386(Pk)	47.63	74	-26.37
		7386(Av)	35.50	54	-18.50

*- : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector

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Modulation: 802.11b
Data Rate: 11Mbps

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	Vertical	2412(Pk)	112.37	-	-
		2412(Av)	102.99	-	-
		2390(Pk)	53.23	74*	-20.77
		2390(Av)	38.14	54*	-15.86
		4824(Pk)	41.81	74	-32.19
		4824(Av)	30.08	54	-23.92
		7236(Pk)	51.03	74	-22.97
		7236(Av)	37.98	54	-16.02
	Horizontal	2412(Pk)	108.31	-	-
		2412(Av)	99.06	-	-
		2390(Pk)	48.56	74*	-25.44
		2390(Av)	34.07	54*	-19.93
		4824(Pk)	42.18	74	-31.82
		4824(Av)	29.93	54	-24.07
		7236(Pk)	48.63	74	-25.37
		7236(Av)	35.62	54	-18.38
2437	Vertical	2437(Pk)	114.43	-	-
		2437(Av)	105.28	-	-
		4874(Pk)	42.47	74	-31.53
		4874(Av)	30.02	54	-23.98
		7311(Pk)	52.99	74	-21.01
		7311(Av)	39.58	54	-14.42
	Horizontal	2437(Pk)	111.96	-	-
		2437(Av)	102.76	-	-
		4874(Pk)	42.30	74	-31.70
		4874(Av)	29.95	54	-24.05
		7311(Pk)	48.15	74	-25.85
		7311(Av)	36.17	54	-17.83
2462	Vertical	2462(Pk)	111.62	-	-
		2462(Av)	102.55	-	-
		2483.5(Pk)	53.56	74*	-20.44
		2483.5(Av)	39.68	54*	-14.32
		4924(Pk)	41.88	74	-32.12
		4924(Av)	29.88	54	-24.12
		7386(Pk)	49.22	74	-24.78
		7386(Av)	36.96	54	-17.04
	Horizontal	2462(Pk)	108.24	-	-
		2462(Av)	99.13	-	-
		2483.5(Pk)	50.39	74*	-23.61
		2483.5(Av)	37.21	54*	-16.79
		4924(Pk)	41.22	74	-32.78
		4924(Av)	29.57	54	-24.43
		7386(Pk)	48.02	74	-25.98
		7386(Av)	35.44	54	-18.56

*- : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector

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Modulation: 802.11g
Data Rate: 6Mbps

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	Vertical	2412(Pk)	108.70	-	-
		2412(Av)	98.42	-	-
		2390(Pk)	71.40	74*	-2.60
		2390(Av)	50.51	54*	-3.49
		4824(Pk)	42.28	74	-31.72
		4824(Av)	29.95	54	-24.05
		7236(Pk)	48.31	74	-25.69
		7236(Av)	36.00	54	-18.00
	Horizontal	2412(Pk)	105.30	-	-
		2412(Av)	94.97	-	-
		2390(Pk)	63.48	74*	-10.52
		2390(Av)	43.40	54*	-10.60
		4824(Pk)	41.91	74	-32.09
		4824(Av)	29.88	54	-24.12
		7236(Pk)	48.41	74	-25.59
		7236(Av)	35.50	54	-18.50
2437	Vertical	2437(Pk)	112.32	-	-
		2437(Av)	101.75	-	-
		4874(Pk)	43.02	74	-30.98
		4874(Av)	29.98	54	-24.02
		7311(Pk)	50.67	74	-23.33
		7311(Av)	37.12	54	-16.88
	Horizontal	2437(Pk)	110.03	-	-
		2437(Av)	99.38	-	-
		4874(Pk)	42.58	74	-31.42
		4874(Av)	29.95	54	-24.05
		7311(Pk)	48.14	74	-25.86
		7311(Av)	35.71	54	-18.29
2462	Vertical	2462(Pk)	109.10	-	-
		2462(Av)	98.56	-	-
		2483.5(Pk)	69.93	74*	-4.07
		2483.5(Av)	51.44	54*	-2.56
		4924(Pk)	41.35	74	-32.65
		4924(Av)	29.67	54	-24.33
		7386(Pk)	47.93	74	-26.07
		7386(Av)	36.42	54	-17.58
	Horizontal	2462(Pk)	105.92	-	-
		2462(Av)	95.44	-	-
		2483.5(Pk)	67.25	74*	-6.75
		2483.5(Av)	46.65	54*	-7.35
		4924(Pk)	41.12	74	-32.88
		4924(Av)	29.57	54	-24.43
7386(Pk)	47.54	74	-26.46		
7386(Av)	35.40	54	-18.60		

*- : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector

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Modulation: 802.11g
Data Rate: 54Mbps

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	Vertical	2412(Pk)	108.52	-	-
		2412(Av)	93.48	-	-
		2390(Pk)	65.98	74*	-8.02
		2390(Av)	46.91	54*	-7.09
		4824(Pk)	42.16	74	-31.84
		4824(Av)	29.93	54	-24.07
		7236(Pk)	47.38	74	-26.62
		7236(Av)	35.60	54	-18.4
	Horizontal	2412(Pk)	104.47	-	-
		2412(Av)	89.57	-	-
		2390(Pk)	56.86	74*	-17.14
		2390(Av)	38.84	54*	-15.16
		4824(Pk)	42.08	74	-31.92
		4824(Av)	29.88	54	-24.12
		7236(Pk)	47.10	74	-26.9
		7236(Av)	35.45	54	-18.55
2437	Vertical	2437(Pk)	109.53	-	-
		2437(Av)	94.44	-	-
		4874(Pk)	42.53	74	-31.47
		4874(Av)	29.96	54	-24.04
		7311(Pk)	47.71	74	-26.29
		7311(Av)	35.82	54	-18.18
	Horizontal	2437(Pk)	106.98	-	-
		2437(Av)	91.87	-	-
		4874(Pk)	42.23	74	-31.77
		4874(Av)	29.93	54	-24.07
2462	Vertical	2462(Pk)	108.54	-	-
		2462(Av)	94.12	-	-
		2483.5(Pk)	66.97	74*	-7.03
		2483.5(Av)	45.37	54*	-8.63
		4924(Pk)	41.75	74	-32.25
		4924(Av)	29.64	54	-24.36
		7386(Pk)	47.63	74	-26.37
		7386(Av)	35.69	54	-18.31
	Horizontal	2462(Pk)	105.45	-	-
		2462(Av)	91.24	-	-
		2483.5(Pk)	61.52	74*	-12.48
		2483.5(Av)	41.12	54*	-12.88
		4924(Pk)	41.66	74	-32.34
		4924(Av)	29.61	54	-24.39
7386(Pk)	47.11	74	-26.89		
7386(Av)	35.33	54	-18.67		

* : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector

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Modulation: 802.11n_HT20
Data Rate: MCS0

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	Vertical	2412(Pk)	107.75	-	-
		2412(Av)	96.67	-	-
		2390(Pk)	70.93	74*	-3.07
		2390(Av)	48.33	54*	-5.67
		4824(Pk)	42.09	74	-31.91
		4824(Av)	29.96	54	-24.04
		7236(Pk)	48.05	74	-25.95
	7236(Av)	35.89	54	-18.11	
	Horizontal	2412(Pk)	10.3.54	-	-
		2412(Av)	92.40	-	-
		2390(Pk)	60.96	74*	-13.04
		2390(Av)	40.39	54*	-13.61
		4824(Pk)	41.62	74	-32.38
		4824(Av)	29.87	54	-24.13
7236(Pk)		47.57	74	-26.43	
7236(Av)	35.43	54	-18.57		
2437	Vertical	2437(Pk)	112.71	-	-
		2437(Av)	101.84	-	-
		4874(Pk)	42.22	74	-31.78
		4874(Av)	30.03	54	-23.97
		7311(Pk)	51.01	74	-22.99
	7311(Av)	37.64	54	-16.36	
	Horizontal	2437(Pk)	109.58	*	-
		2437(Av)	98.92	*	-
		4874(Pk)	42.77	74	-31.23
		4874(Av)	29.95	54	-24.05
7311(Pk)		47.83	74	-26.17	
7311(Av)	35.74	54	-18.26		
2462	Vertical	2462(Pk)	107.48	-	-
		2462(Av)	96.99	-	-
		2483.5(Pk)	72.20	74*	-1.80
		2483.5(Av)	49.17	54*	-4.83
		4924(Pk)	42.16	74	-31.84
		4924(Av)	29.68	54	-24.32
		7386(Pk)	47.66	74	-26.34
	7386(Av)	35.74	54	-18.26	
	Horizontal	2462(Pk)	104.24	-	-
		2462(Av)	93.40	-	-
		2483.5(Pk)	68.11	74*	-5.89
		2483.5(Av)	43.81	54*	-10.19
		4924(Pk)	41.18	74	-32.82
		4924(Av)	29.59	54	-24.41
7386(Pk)		47.85	74	-26.15	
7386(Av)	35.34	54	-18.66		

*- : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector

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Modulation: 802.11n_HT20
Data Rate: MCS7

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	Vertical	2412(Pk)	107.29	-	-
		2412(Av)	91.23	-	-
		2390(Pk)	68.33	74*	-5.67
		2390(Av)	43.21	54*	-10.79
		4824(Pk)	43.02	74	-30.98
		4824(Av)	29.90	54	-24.10
		7236(Pk)	48.00	74	-26.00
	7236(Av)	35.61	54	-18.39	
	Horizontal	2412(Pk)	102.98	-	-
		2412(Av)	87.03	-	-
		2390(Pk)	58.36	74*	-15.64
		2390(Av)	35.48	54*	-18.52
		4824(Pk)	41.78	74	-32.22
		4824(Av)	29.92	54	-24.08
7236(Pk)		48.03	74	-25.97	
7236(Av)	35.39	54	-18.61		
2437	Vertical	2437(Pk)	109.60	-	-
		2437(Av)	93.19	-	-
		4874(Pk)	42.29	74	-31.71
		4874(Av)	29.99	54	-24.01
		7311(Pk)	47.83	74	-26.17
	7311(Av)	35.65	54	-18.35	
	Horizontal	2437(Pk)	106.18	-	-
		2437(Av)	89.72	-	-
		4874(Pk)	42.43	74	-31.57
		4874(Av)	29.95	54	-24.05
7311(Pk)		47.36	74	-26.64	
7311(Av)	35.50	54	-18.50		
2462	Vertical	2462(Pk)	107.94	-	-
		2462(Av)	92.29	-	-
		2483.5(Pk)	65.98	74*	-8.02
		2483.5(Av)	43.01	54*	-10.99
		4924(Pk)	41.39	74	-32.61
		4924(Av)	29.69	54	-24.31
		7386(Pk)	47.95	74	-26.05
	7386(Av)	35.49	54	-18.51	
	Horizontal	2462(Pk)	104.22	-	-
		2462(Av)	88.59	-	-
		2483.5(Pk)	60.35	74*	-13.65
		2483.5(Av)	39.02	54*	-14.98
		4924(Pk)	42.20	74	-31.80
		4924(Av)	29.69	54	-24.31
7386(Pk)		47.47	74	-26.53	
7386(Av)	35.41	54	-18.59		

*- : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector

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Modulation: 802.11ac_VHT20

Data Rate: MCS0

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	Vertical	2412(Pk)	107.75	-	-
		2412(Av)	96.72	-	-
		2390(Pk)	70.74	74*	-3.26
		2390(Av)	48.58	54*	-5.42
		4824(Pk)	42.47	74	-31.53
		4824(Av)	30.03	54	-23.97
		7236(Pk)	48.64	74	-25.36
	7236(Av)	35.99	54	-18.01	
	Horizontal	2412(Pk)	102.96	-	-
		2412(Av)	92.11	-	-
		2390(Pk)	60.36	74*	-13.64
		2390(Av)	40.55	54*	-13.45
		4824(Pk)	41.52	74	-32.48
		4824(Av)	29.94	54	-24.06
7236(Pk)		48.00	74	-26.00	
7236(Av)	35.50	54	-18.50		
2437	Vertical	2437(Pk)	112.13	-	-
		2437(Av)	101.71	-	-
		4874(Pk)	42.44	74	-31.56
		4874(Av)	30.06	54	-23.94
		7311(Pk)	49.62	74	-24.38
	7311(Av)	37.13	54	-16.87	
	Horizontal	2437(Pk)	109.36	-	-
		2437(Av)	98.83	-	-
		4874(Pk)	42.46	74	-31.54
		4874(Av)	30.00	54	-24.00
7311(Pk)		47.56	74	-26.44	
7311(Av)	35.93	54	-18.07		
2462	Vertical	2462(Pk)	107.79	-	-
		2462(Av)	96.90	-	-
		2483.5(Pk)	70.73	74*	-3.27
		2483.5(Av)	49.15	54*	-4.85
		4924(Pk)	41.98	74	-32.02
		4924(Av)	29.73	54	-24.27
		7386(Pk)	47.43	74	-26.57
	7386(Av)	35.95	54	-18.05	
	Horizontal	2462(Pk)	104.38	-	-
		2462(Av)	93.23	-	-
		2483.5(Pk)	65.35	74*	-8.65
		2483.5(Av)	43.94	54*	-10.06
		4924(Pk)	41.44	74	-32.56
		4924(Av)	29.67	54	-24.33
7386(Pk)		48.22	74	-25.78	
7386(Av)	35.42	54	-18.58		

*- : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector

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Modulation: 802.11ac_VHT20

Data Rate: MCS8

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	Vertical	2412(Pk)	106.61	-	-
		2412(Av)	89.76	-	-
		2390(Pk)	66.17	74*	-7.83
		2390(Av)	40.21	54*	-13.79
		4824(Pk)	42.56	74	-31.44
		4824(Av)	30.01	54	-23.99
		7236(Pk)	47.63	74	-26.37
		7236(Av)	35.51	54	-18.49
	Horizontal	2412(Pk)	101.95	-	-
		2412(Av)	85.35	-	-
		2390(Pk)	57.17	74*	-16.83
		2390(Av)	33.64	54*	-20.36
		4824(Pk)	42.26	74	-31.74
		4824(Av)	29.97	54	-24.03
		7236(Pk)	48.09	74	-25.91
		7236(Av)	35.51	54	-18.49
2437	Vertical	2437(Pk)	108.12	-	-
		2437(Av)	91.64	-	-
		4874(Pk)	42.73	74	-31.27
		4874(Av)	29.99	54	-24.01
		7311(Pk)	47.39	74	-26.61
		7311(Av)	35.79	54	-18.21
	Horizontal	2437(Pk)	105.02	*	-
		2437(Av)	88.35	*	-
		4874(Pk)	42.34	74	-31.66
		4874(Av)	30.00	54	-24.00
		7311(Pk)	47.90	74	-26.10
		7311(Av)	35.52	54	-18.48
2462	Vertical	2462(Pk)	107.68	-	-
		2462(Av)	90.95	-	-
		2483.5(Pk)	63.44	74*	-10.56
		2483.5(Av)	40.27	54*	-13.73
		4924(Pk)	41.67	74	-32.33
		4924(Av)	29.73	54	-24.27
		7386(Pk)	47.72	74	-26.28
		7386(Av)	35.49	54	-18.51
	Horizontal	2462(Pk)	103.60	-	-
		2462(Av)	86.86	-	-
		2483.5(Pk)	56.65	74*	-17.35
		2483.5(Av)	35.82	54*	-18.18
		4924(Pk)	42.10	74	-31.90
		4924(Av)	29.70	54	-24.30
		7386(Pk)	47.36	74	-26.64
		7386(Av)	35.40	54	-18.60

* : Indicate restricted band of operation §15.205

Pk: Peak Detector; Av: Average Detector

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Modulation: 802.11ax_HE20

Data Rate: MCS0

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	Vertical	2412(Pk)	110.07	-	-
		2412(Av)	96.51	-	-
		2390(Pk)	71.96	74*	-2.04
		2390(Av)	49.22	54*	-4.78
		4824(Pk)	41.66	74	-32.34
		4824(Av)	29.99	54	-24.01
		7236(Pk)	50.63	74	-23.37
		7236(Av)	36.32	54	-17.68
	Horizontal	2412(Pk)	105.68	-	-
		2412(Av)	92.15	-	-
		2390(Pk)	61.86	74*	-12.14
		2390(Av)	41.82	54*	-12.18
		4824(Pk)	41.77	74	-32.23
		4824(Av)	29.93	54	-24.07
2437	Vertical	2437(Pk)	114.57	-	-
		2437(Av)	101.46	-	-
		4874(Pk)	42.30	74	-31.70
		4874(Av)	30.05	54	-23.95
		7311(Pk)	51.53	74	-22.47
		7311(Av)	38.51	54	-15.49
	Horizontal	2437(Pk)	111.74	*	-
		2437(Av)	98.72	*	-
		4874(Pk)	43.69	74	-30.31
		4874(Av)	30.02	54	-23.98
2462	Vertical	2462(Pk)	110.14	-	-
		2462(Av)	96.59	-	-
		2483.5(Pk)	69.66	74*	-4.34
		2483.5(Av)	49.82	54*	-4.18
		4924(Pk)	41.75	74	-32.25
		4924(Av)	29.76	54	-24.24
		7386(Pk)	48.65	74	-25.35
		7386(Av)	36.06	54	-17.94
	Horizontal	2462(Pk)	107.34	-	-
		2462(Av)	93.28	-	-
		2483.5(Pk)	67.35	74*	-6.65
		2483.5(Av)	44.98	54*	-9.02
		4924(Pk)	41.84	74	-32.16
		4924(Av)	29.71	54	-24.29
		7386(Pk)	48.95	74	-25.05
		7386(Av)	35.42	54	-18.58

*- : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector

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Modulation: 802.11ax_HE20
Data Rate: MCS11

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	Vertical	2412(Pk)	106.05	-	-
		2412(Av)	87.75	-	-
		2390(Pk)	68.24	74*	-5.76
		2390(Av)	39.45	54*	-14.55
		4824(Pk)	43.05	74	-30.95
		4824(Av)	29.99	54	-24.01
		7236(Pk)	47.18	74	-26.82
		7236(Av)	35.52	54	-18.48
	Horizontal	2412(Pk)	102.05	-	-
		2412(Av)	83.76	-	-
		2390(Pk)	57.85	74*	-16.15
		2390(Av)	33.38	54*	-20.62
		4824(Pk)	41.85	74	-32.15
		4824(Av)	29.93	54	-24.07
		7236(Pk)	47.72	74	-26.28
		7236(Av)	35.44	54	-18.56
2437	Vertical	2437(Pk)	108.40	-	-
		2437(Av)	89.69	-	-
		4874(Pk)	42.28	74	-31.72
		4874(Av)	30.05	54	-23.95
		7311(Pk)	47.62	74	-26.38
		7311(Av)	35.69	54	-18.31
	Horizontal	2437(Pk)	105.54	*	-
		2437(Av)	86.48	*	-
		4874(Pk)	42.10	74	-31.90
		4874(Av)	30.04	54	-23.96
		7311(Pk)	47.43	74	-26.57
		7311(Av)	35.54	54	-18.46
2462	Vertical	2462(Pk)	106.82	-	-
		2462(Av)	88.75	-	-
		2483.5(Pk)	63.13	74*	-10.87
		2483.5(Av)	39.77	54*	-14.23
		4924(Pk)	41.43	74	-32.57
		4924(Av)	29.67	54	-24.33
		7386(Pk)	48.16	74	-25.84
		7386(Av)	35.43	54	-18.57
	Horizontal	2462(Pk)	102.94	-	-
		2462(Av)	85.10	-	-
		2483.5(Pk)	57.39	74*	-16.61
		2483.5(Av)	35.71	54*	-18.29
		4924(Pk)	41.94	74	-32.06
		4924(Av)	29.66	54	-24.34
		7386(Pk)	47.68	74	-26.32
		7386(Av)	35.38	54	-18.62

* : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector

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Modulation: 802.11n_HT40
Data Rate: MCS0

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2422	Vertical	2422(Pk)	101.74	-	-
		2422(Av)	90.25	-	-
		2390(Pk)	70.11	74*	-3.89
		2390(Av)	52.28	54*	-1.72
		4844(Pk)	43.78	74	-30.22
		4844(Av)	30.70	54	-23.30
		7266(Pk)	46.89	74	-27.11
	7266(Av)	35.42	54	-18.58	
	Horizontal	2422(Pk)	96.02	-	-
		2422(Av)	84.76	-	-
		2390(Pk)	61.66	74*	-12.34
		2390(Av)	45.57	54*	-8.43
		4844(Pk)	40.62	74	-33.38
		4844(Av)	29.25	54	-24.75
7266(Pk)		46.83	74	-27.17	
7266(Av)	35.03	54	-18.97		
2437	Vertical	2437(Pk)	106.47	-	-
		2437(Av)	95.22	-	-
		4874(Pk)	46.87	74	-27.13
		4874(Av)	33.00	54	-21.00
		7311(Pk)	47.55	74	-26.45
	7311(Av)	35.95	54	-18.05	
	Horizontal	2437(Pk)	98.39	-	-
		2437(Av)	87.32	-	-
		4874(Pk)	41.04	74	-32.96
		4874(Av)	29.16	54	-24.84
7311(Pk)		47.29	74	-26.71	
7311(Av)	34.92	54	-19.08		
2452	Vertical	2452(Pk)	100.44	-	-
		2452(Av)	89.30	-	-
		2483.5(Pk)	66.94	74*	-7.06
		2483.5(Av)	45.00	54*	-9.00
		4904(Pk)	41.85	74	-32.15
		4904(Av)	29.51	54	-24.49
		7356(Pk)	46.75	74	-27.25
		7356(Av)	34.90	54	-19.10
	Horizontal	2452(Pk)	94.53	-	-
		2452(Av)	84.02	-	-
		2483.5(Pk)	60.42	74*	-13.58
		2483.5(Av)	38.95	54*	-15.05
		4904(Pk)	40.95	74	-33.05
		4904(Av)	29.13	54	-24.87
7356(Pk)	47.20	74	-26.8		
7356(Av)	34.78	54	-19.22		

* - : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector

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Modulation: 802.11n_HT40
Data Rate: MCS7

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2422	Vertical	2422(Pk)	105.6	-	-
		2422(Av)	88.18	-	-
		2390(Pk)	66.58	74*	-7.42
		2390(Av)	49.16	54*	-4.84
		4844(Pk)	41.32	74	-32.68
		4844(Av)	29.45	54	-24.55
		7266(Pk)	47.30	74	-26.70
	7266(Av)	35.20	54	-18.80	
	Horizontal	2422(Pk)	98.04	-	-
		2422(Av)	80.18	-	-
		2390(Pk)	57.71	74*	-16.29
		2390(Av)	40.46	54*	-13.54
		4844(Pk)	41.58	74	-32.42
		4844(Av)	29.19	54	-24.81
7266(Pk)		47.03	74	-26.97	
7266(Av)	35.03	54	-18.97		
2437	Vertical	2437(Pk)	106.69	-	-
		2437(Av)	90.87	-	-
		4874(Pk)	42.84	74	-31.16
		4874(Av)	30.40	54	-23.60
		7311(Pk)	47.82	74	-26.18
	7311(Av)	35.75	54	-18.25	
	Horizontal	2437(Pk)	99.23	-	-
		2437(Av)	83.26	-	-
		4874(Pk)	41.66	74	-32.34
		4874(Av)	29.12	54	-24.88
7311(Pk)		47.61	74	-26.39	
7311(Av)	34.95	54	-19.05		
2452	Vertical	2452(Pk)	102.12	-	-
		2452(Av)	86.59	-	-
		2483.5(Pk)	70.75	74*	-3.25
		2483.5(Av)	47.43	54*	-6.57
		4904(Pk)	41.38	74	-32.62
		4904(Av)	29.34	54	-24.66
		7356(Pk)	48.27	74	-25.73
		7356(Av)	34.94	54	-19.06
	Horizontal	2452(Pk)	64.90	-	-
		2452(Av)	41.79	-	-
		2483.5(Pk)	64.90	74*	-9.10
		2483.5(Av)	41.79	54*	-12.21
		4904(Pk)	40.89	74	-33.11
		4904(Av)	29.14	54	-24.86
7356(Pk)	47.12	74	-26.88		
7356(Av)	34.75	54	-19.25		

*- : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector

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Modulation: 802.11ac_VHT40
Data Rate: MCS0

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2422	Vertical	2422(Pk)	101.55	-	-
		2422(Av)	90.45	-	-
		2390(Pk)	65.11	74*	-8.89
		2390(Av)	47.49	54*	-6.51
		4844(Pk)	40.57	74	-33.43
		4844(Av)	29.46	54	-24.54
		7266(Pk)	47.19	74	-26.81
	7266(Av)	35.10	54	-18.90	
	Horizontal	2422(Pk)	94.05	-	-
		2422(Av)	82.83	-	-
		2390(Pk)	55.86	74*	-18.14
		2390(Av)	39.14	54*	-14.86
		4844(Pk)	40.57	74	-33.43
		4844(Av)	29.46	54	-24.54
7266(Pk)		47.19	74	-26.81	
7266(Av)	35.10	54	-18.90		
2437	Vertical	2437(Pk)	106.64	-	-
		2437(Av)	95.00	-	-
		4874(Pk)	42.79	74	-31.21
		4874(Av)	30.72	54	-23.28
		7311(Pk)	47.13	74	-26.87
	7311(Av)	35.85	54	-18.15	
	Horizontal	2437(Pk)	98.96	-	-
		2437(Av)	87.41	-	-
		4874(Pk)	41.21	74	-32.79
		4874(Av)	29.37	54	-24.63
7311(Pk)		46.95	74	-27.05	
7311(Av)	34.97	54	-19.03		
2452	Vertical	2452(Pk)	100.74	-	-
		2452(Av)	90.43	-	-
		2483.5(Pk)	69.04	74*	-4.96
		2483.5(Av)	48.69	54*	-5.31
		4904(Pk)	41.35	74	-32.65
		4904(Av)	29.63	54	-24.37
		7356(Pk)	46.99	74	-27.01
	7356(Av)	34.97	54	-19.03	
	Horizontal	2452(Pk)	96.05	-	-
		2452(Av)	86.04	-	-
		2483.5(Pk)	63.49	74*	-10.51
		2483.5(Av)	43.68	54*	-10.32
		4904(Pk)	40.67	74	-33.33
		4904(Av)	29.08	54	-24.92
7356(Pk)		46.37	74	-27.63	
7356(Av)	34.73	54	-19.27		

*- : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector

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Modulation: 802.11ac_VHT40
Data Rate: MCS8

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2422	Vertical	2422(Pk)	104.68	-	-
		2422(Av)	87.57	-	-
		2390(Pk)	66.79	74*	-7.21
		2390(Av)	48.58	54*	-5.42
		4844(Pk)	41.39	74	-32.61
		4844(Av)	29.64	54	-24.36
		7266(Pk)	47.18	74	-26.82
	7266(Av)	35.25	54	-18.75	
	Horizontal	2422(Pk)	96.95	-	-
		2422(Av)	79.91	-	-
		2390(Pk)	57.73	74*	-16.27
		2390(Av)	39.35	54*	-14.65
		4844(Pk)	42.27	74	-31.73
		4844(Av)	29.21	54	-24.79
7266(Pk)		46.94	74	-27.06	
7266(Av)	35.00	54	-19.00		
2437	Vertical	2437(Pk)	107.09	-	-
		2437(Av)	90.45	-	-
		4874(Pk)	44.40	74	-29.60
		4874(Av)	30.51	54	-23.49
		7311(Pk)	49.57	74	-24.43
	7311(Av)	36.03	54	-17.97	
	Horizontal	2437(Pk)	99.56	-	-
		2437(Av)	82.96	-	-
		4874(Pk)	41.22	74	-32.78
		4874(Av)	29.15	54	-24.85
7311(Pk)		46.97	74	-27.03	
7311(Av)	34.94	54	-19.06		
2452	Vertical	2452(Pk)	102.27	-	-
		2452(Av)	85.82	-	-
		2483.5(Pk)	68.30	74*	-5.70
		2483.5(Av)	47.08	54*	-6.92
		4904(Pk)	41.42	74	-32.58
		4904(Av)	29.47	54	-24.53
		7356(Pk)	47.85	74	-26.15
	7356(Av)	34.92	54	-19.08	
	Horizontal	2452(Pk)	97.82	-	-
		2452(Av)	81.82	-	-
		2483.5(Pk)	64.43	74*	-9.57
		2483.5(Av)	43.51	54*	-10.49
		4904(Pk)	41.69	74	-32.31
		4904(Av)	29.12	54	-24.88
7356(Pk)		47.25	74	-26.75	
7356(Av)	34.79	54	-19.21		

*- : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector

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Modulation: 802.11ax_HE40
Data Rate: MCS0

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2422	Vertical	2422(Pk)	105.44	-	-
		2422(Av)	91.55	-	-
		2390(Pk)	67.95	74*	-6.05
		2390(Av)	51.34	54*	-2.66
		4844(Pk)	41.56	74	-32.44
		4844(Av)	29.73	54	-24.27
		7266(Pk)	47.22	74	-26.78
	7266(Av)	35.17	54	-18.83	
	Horizontal	2422(Pk)	98.94	-	-
		2422(Av)	84.80	-	-
		2390(Pk)	60.94	74*	-13.06
		2390(Av)	44.69	54*	-9.31
		4844(Pk)	40.84	74	-33.16
		4844(Av)	29.17	54	-24.83
7266(Pk)		47.67	74	-26.33	
7266(Av)	34.99	54	-19.01		
2437	Vertical	2437(Pk)	108.77	-	-
		2437(Av)	94.90	-	-
		4874(Pk)	47.21	74	-26.79
		4874(Av)	32.98	54	-21.02
		7311(Pk)	50.09	74	-23.91
	7311(Av)	36.25	54	-17.75	
	Horizontal	2437(Pk)	101.30	-	-
		2437(Av)	87.37	-	-
		4874(Pk)	41.36	74	-32.64
		4874(Av)	29.30	54	-24.70
7311(Pk)		46.78	74	-27.22	
7311(Av)	34.94	54	-19.06		
2452	Vertical	2452(Pk)	103.51	-	-
		2452(Av)	89.52	-	-
		2483.5(Pk)	66.55	74*	-7.45
		2483.5(Av)	47.32	54*	-6.68
		4904(Pk)	41.33	74	-32.67
		4904(Av)	29.14	54	-24.86
		7356(Pk)	46.85	74	-27.15
	7356(Av)	34.89	54	-19.11	
	Horizontal	2452(Pk)	98.71	-	-
		2452(Av)	84.77	-	-
		2483.5(Pk)	63.31	74*	-10.69
		2483.5(Av)	41.90	54*	-12.10
		4904(Pk)	41.08	74	-32.92
		4904(Av)	29.14	54	-24.86
7356(Pk)		47.42	74	-26.58	
7356(Av)	34.74	54	-19.26		

*- : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector

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Modulation: 802.11ax_HE40
Data Rate: MCS7

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2422	Vertical	2422(Pk)	103.05	-	-
		2422(Av)	85.69	-	-
		2390(Pk)	61.12	74*	-12.88
		2390(Av)	40.96	54*	-13.04
		4844(Pk)	41.42	74	-32.58
		4844(Av)	29.27	54	-24.73
		7266(Pk)	47.02	74	-26.98
	7266(Av)	35.07	54	-18.93	
	Horizontal	2422(Pk)	83.20	-	-
		2422(Av)	64.93	-	-
		2390(Pk)	37.36	74*	-36.64
		2390(Av)	24.11	54*	-29.89
		4844(Pk)	40.97	74	-33.03
		4844(Av)	29.16	54	-24.84
7266(Pk)		46.97	74	-27.03	
7266(Av)	34.99	54	-19.01		
2437	Vertical	2437(Pk)	102.63	-	-
		2437(Av)	85.38	-	-
		4874(Pk)	41.08	74	-32.92
		4874(Av)	29.28	54	-24.72
		7311(Pk)	47.12	74	-26.88
	7311(Av)	34.96	54	-19.04	
	Horizontal	2437(Pk)	93.21	-	-
		2437(Av)	76.26	-	-
		4874(Pk)	42.39	74	-31.61
		4874(Av)	29.12	54	-24.88
7311(Pk)		46.68	74	-27.32	
7311(Av)	34.91	54	-19.09		
2452	Vertical	2452(Pk)	100.85	-	-
		2452(Av)	83.26	-	-
		2483.5(Pk)	59.10	74*	-14.90
		2483.5(Av)	37.44	54*	-16.56
		4904(Pk)	41.85	74	-32.15
		4904(Av)	29.18	54	-24.82
		7356(Pk)	46.73	74	-27.27
		7356(Av)	34.85	54	-19.15
	Horizontal	2452(Pk)	95.58	-	-
		2452(Av)	78.55	-	-
		2483.5(Pk)	53.41	74*	-20.59
		2483.5(Av)	33.38	54*	-20.62
		4904(Pk)	40.96	74	-33.04
		4904(Av)	29.07	54	-24.93
7356(Pk)	46.79	74	-27.21		
7356(Av)	34.75	54	-19.25		

*- : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector

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Antenna Type: 1001932PT Flex/PCB MIMO Antenna Results

Modulation: 802.11b

Data Rate: 1Mbps

Channel Frequency (MHz)	Antenna Polarization	Measured Frequency (MHz)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2412	Vertical	2412(Pk)	99.49	-	-
		2412(Av)	96.94	-	-
		2390(Pk)	45.67	74*	-28.33
		2390(Av)	36.20	54*	-17.80
		4824(Pk)	42.11	74	-31.89
		4824(Av)	31.88	54	-22.12
		7236(Pk)	48.84	74	-25.16
	7236(Av)	39.63	54	-14.37	
	Horizontal	2412(Pk)	108.82	-	-
		2412(Av)	106.13	-	-
		2390(Pk)	53.30	74*	-20.70
		2390(Av)	43.82	54*	-10.18
		4824(Pk)	44.44	74	-29.56
		4824(Av)	33.89	54	-20.11
7236(Pk)		51.71	74	-22.29	
7236(Av)	42.99	54	-11.01		
2437	Vertical	2437(Pk)	103.65	-	-
		2437(Av)	101.14	-	-
		4874(Pk)	42.14	74	-31.86
		4874(Av)	30.52	54	-23.48
		7311(Pk)	48.41	74	-25.59
	7311(Av)	38.24	54	-15.76	
	Horizontal	2437(Pk)	111.84	-	-
		2437(Av)	109.40	-	-
		4874(Pk)	42.67	74	-31.33
		4874(Av)	31.63	54	-22.37
7311(Pk)		46.79	74	-27.21	
7311(Av)	35.37	54	-18.63		
2462	Vertical	2462(Pk)	100.61	-	-
		2462(Av)	97.84	-	-
		2483.5(Pk)	47.11	74*	-26.89
		2483.5(Av)	38.76	54*	-15.24
		4924(Pk)	42.06	74	-31.94
		4924(Av)	30.66	54	-23.34
		7386(Pk)	49.83	74	-24.17
	7386(Av)	39.81	54	-14.19	
	Horizontal	2462(Pk)	102.63	-	-
		2462(Av)	100.01	-	-
		2483.5(Pk)	52.62	74*	-21.38
		2483.5(Av)	43.11	54*	-10.89
		4924(Pk)	45.43	74	-28.57
		4924(Av)	37.42	54	-16.58
7386(Pk)		49.49	74	-24.51	
7386(Av)	38.46	54	-15.54		

*- : Indicate restricted band of operation §15.205
Pk: Peak Detector; Av: Average Detector