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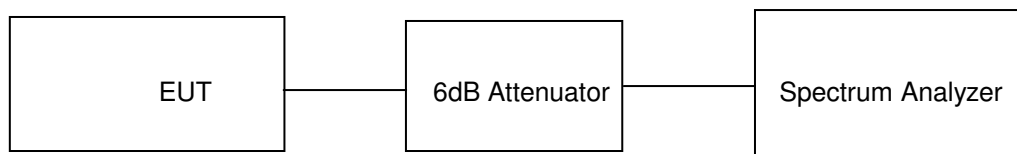
Emissions in non-restricted frequency bands
Result

Section 15.247(d)
Pass

Test Specification
 Detector Function
 Requirement

FCC Part 15 Section 15.247(d)
 Peak
 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 20dB 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.

Test Method:

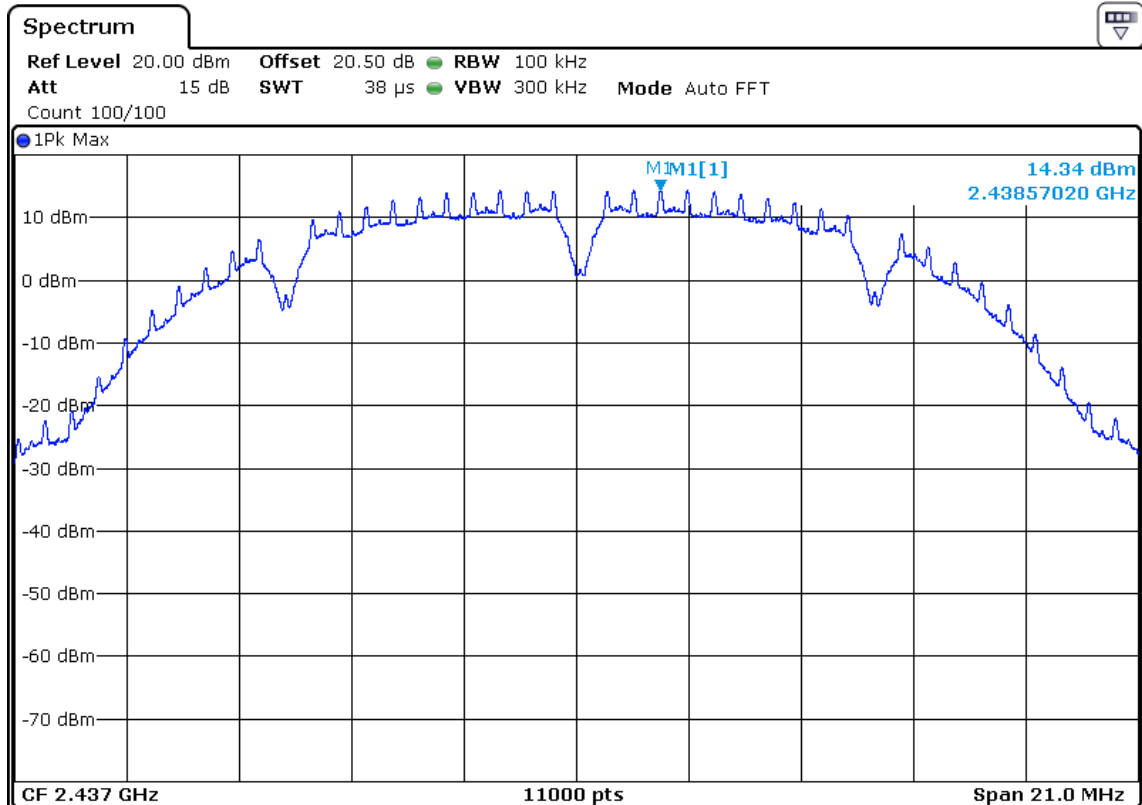


Test Result: Wi-Fi

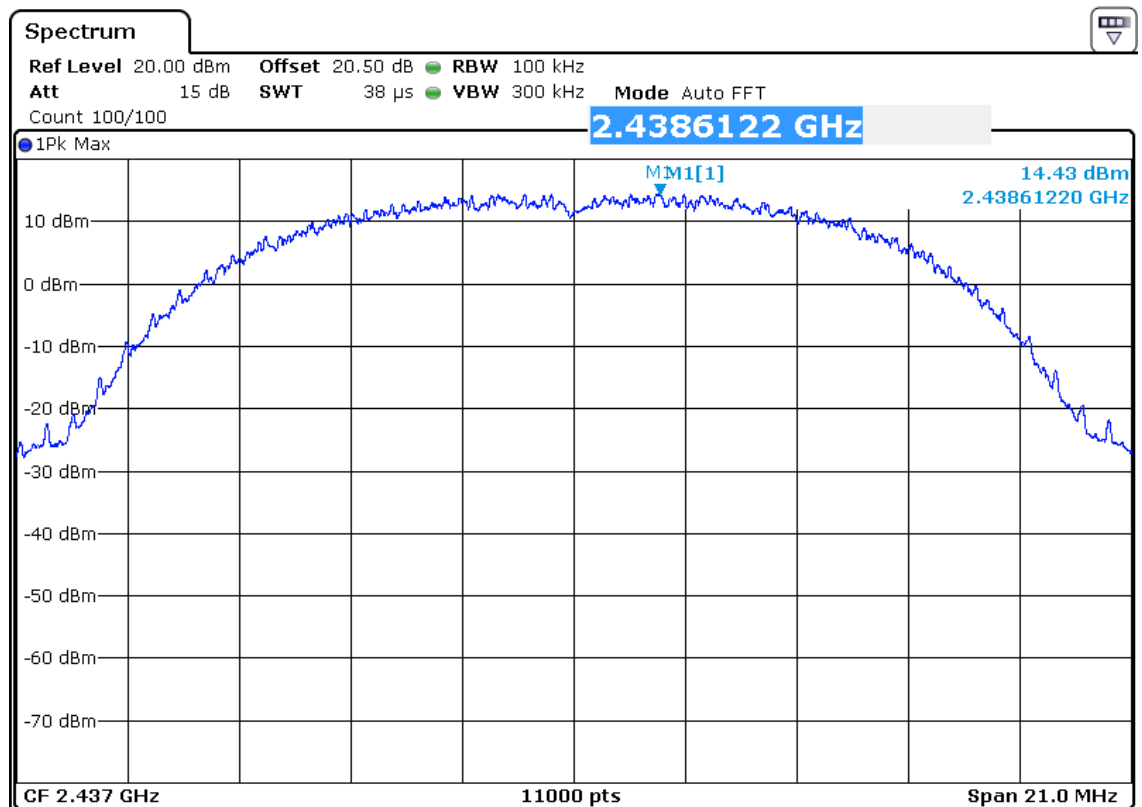
Attenuator (20dB) + cable loss (0.5dB) = 20.5dB Considered in the test result

IEEE802.11b						
Data Rate (Mbps)	Channel Frequency (MHz)	Value at Band Edge		Reference Value B (dBm)	Band Edge Value A~B (dBc)	Limit (dBc)
		Frequency (MHz)	Value A (dBm)			
1	2412	2400	-27.38	14.34	41.72	30
	2462	2483.5	-47.73	14.34	62.07	30
11	2412	2400	-28.46	14.43	42.89	30
	2462	2483.5	-49.29	14.43	63.72	30

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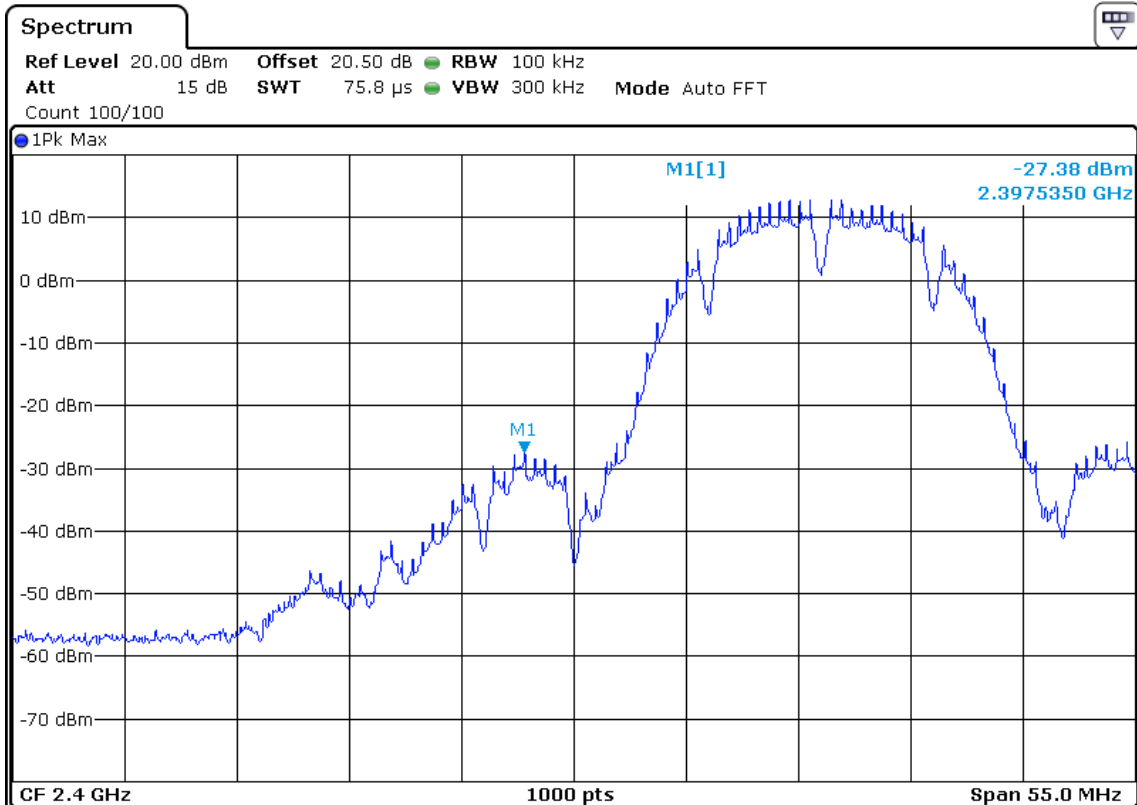


Reference Level Plot: 1Mbps



Reference Level Plot: 11Mbps

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Data Rate: 1 Mbps

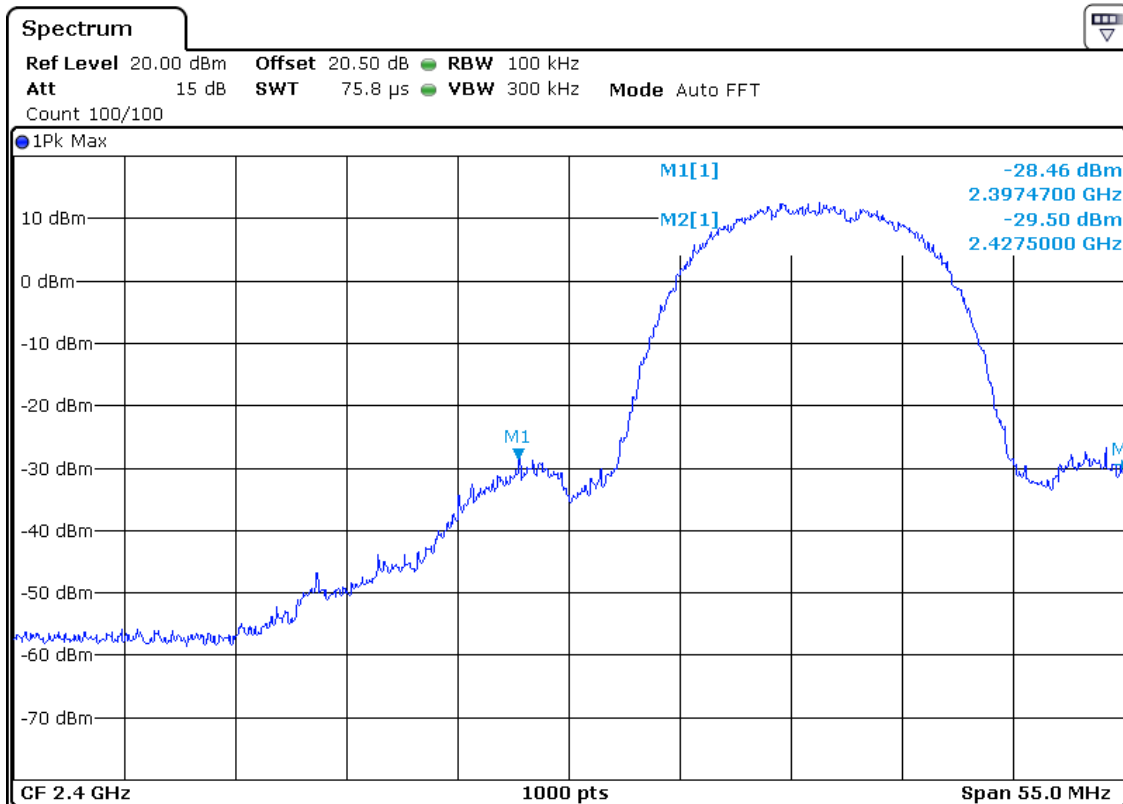
Channel frequency: 2412 MHz



Data Rate: 1 Mbps

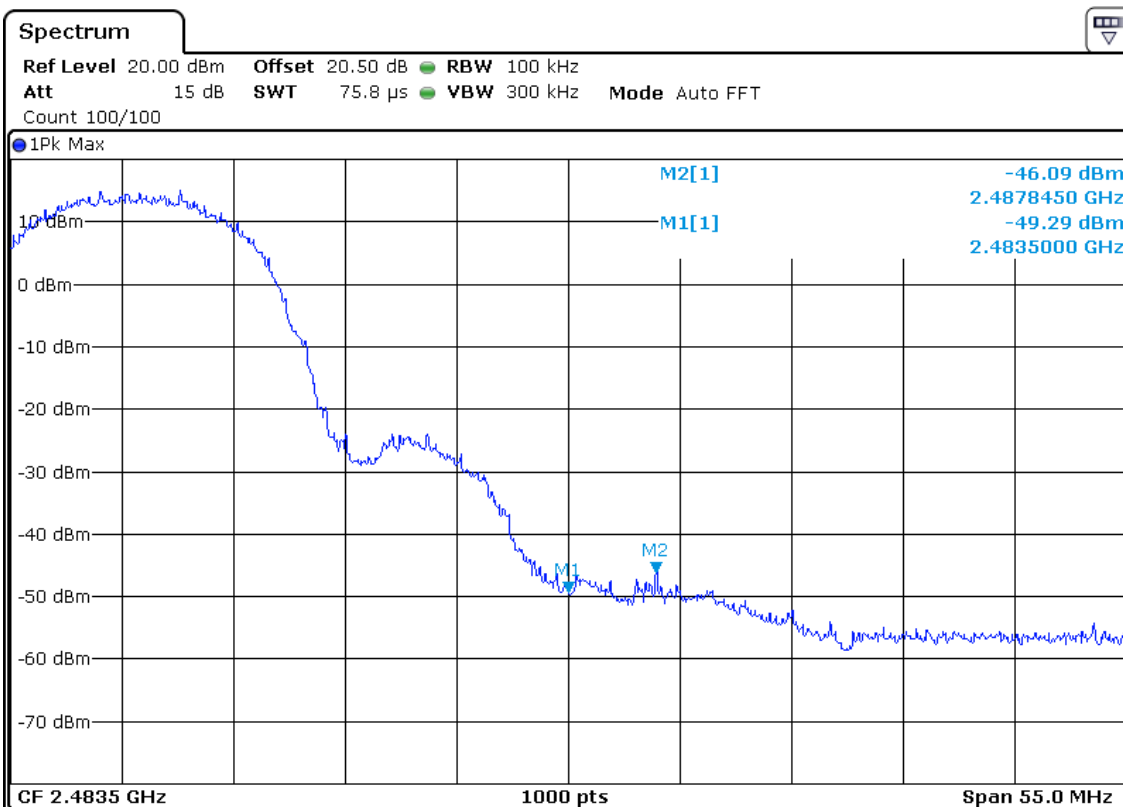
Channel frequency: 2462 MHz

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Data Rate: 11 Mbps

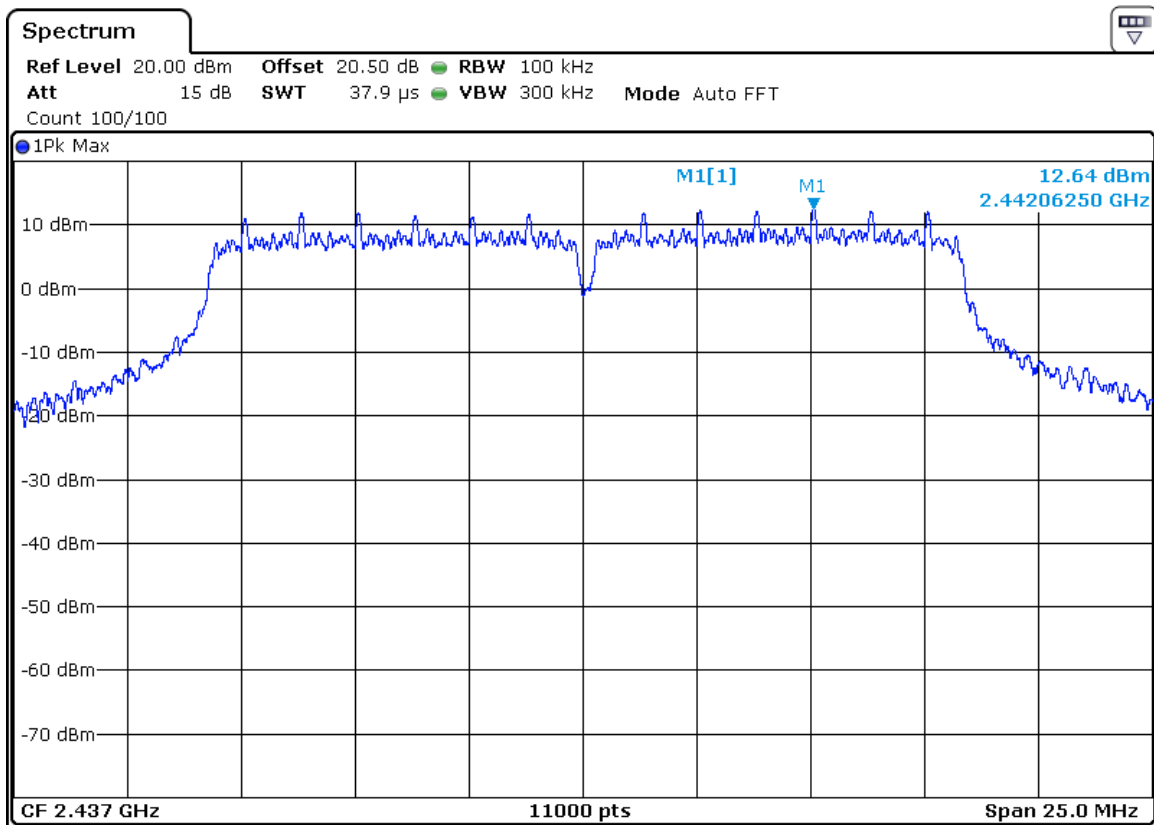
Channel frequency: 2412 MHz



Data Rate: 11 Mbps

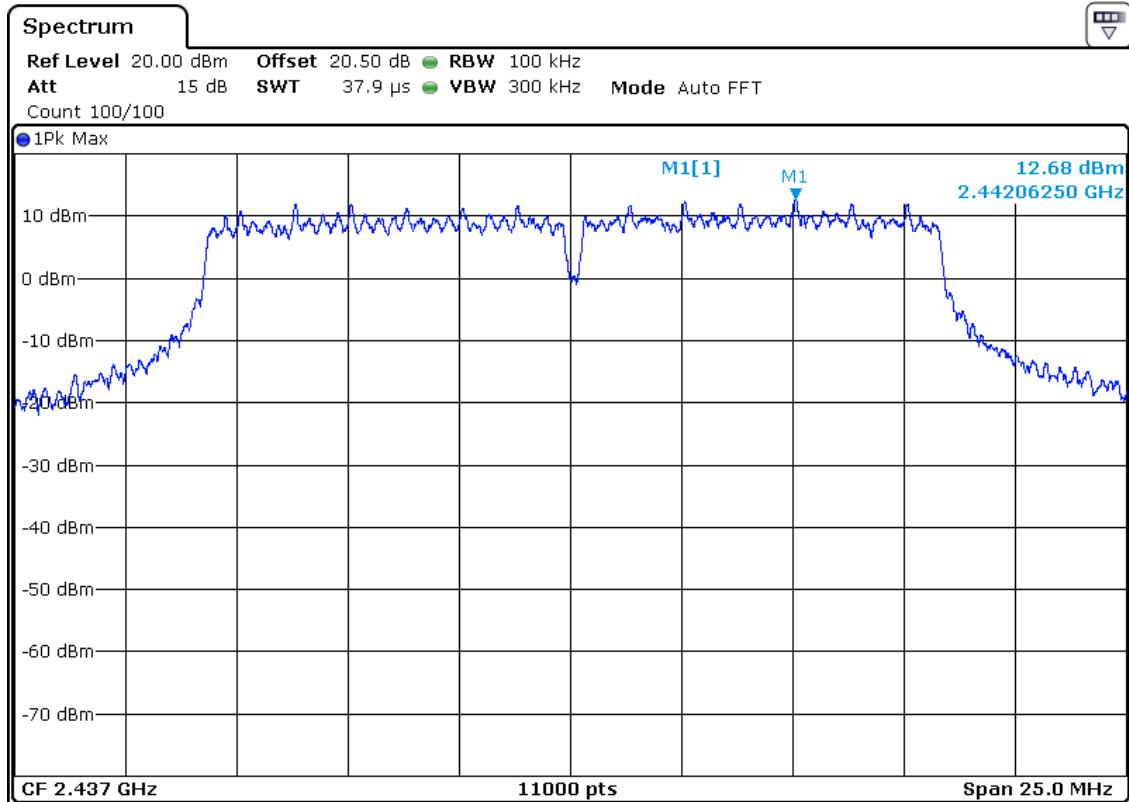
Channel frequency: 2462 MHz

IEEE802.11g						
Data Rate (Mbps)	Channel Frequency (MHz)	Value at Band Edge		Reference Value B (dBm)	Band Edge Value A~B (dBc)	Limit (dBc)
		Frequency (MHz)	Value A (dBm)			
6	2412	2400	-19.13	12.64	31.77	30
	2462	2483.5	-29.97	12.64	42.61	30
24	2412	2400	-21.30	12.68	33.98	30
	2462	2483.5	-30.55	12.68	43.23	30
54	2412	2400	-20.59	12.49	33.08	30
	2462	2483.5	-31.98	12.49	44.47	30

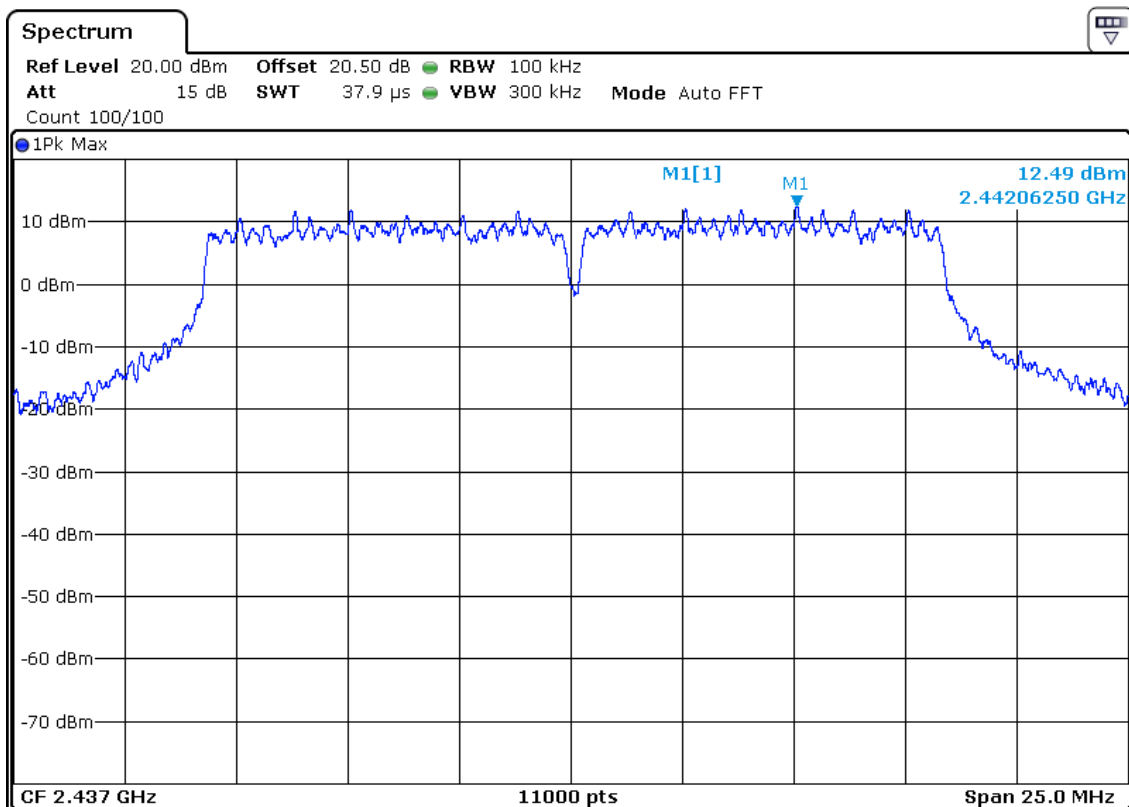


Reference Level Plot: 6 Mbps

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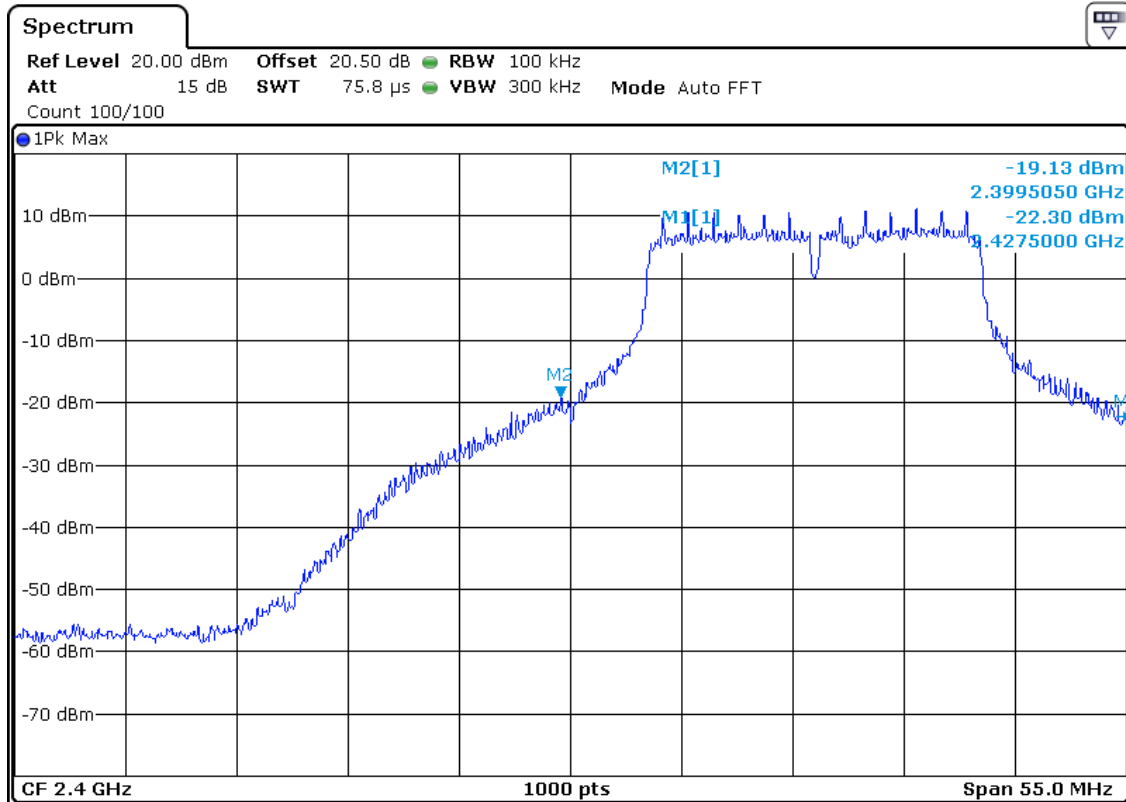


Reference Level Plot: 24 Mbps



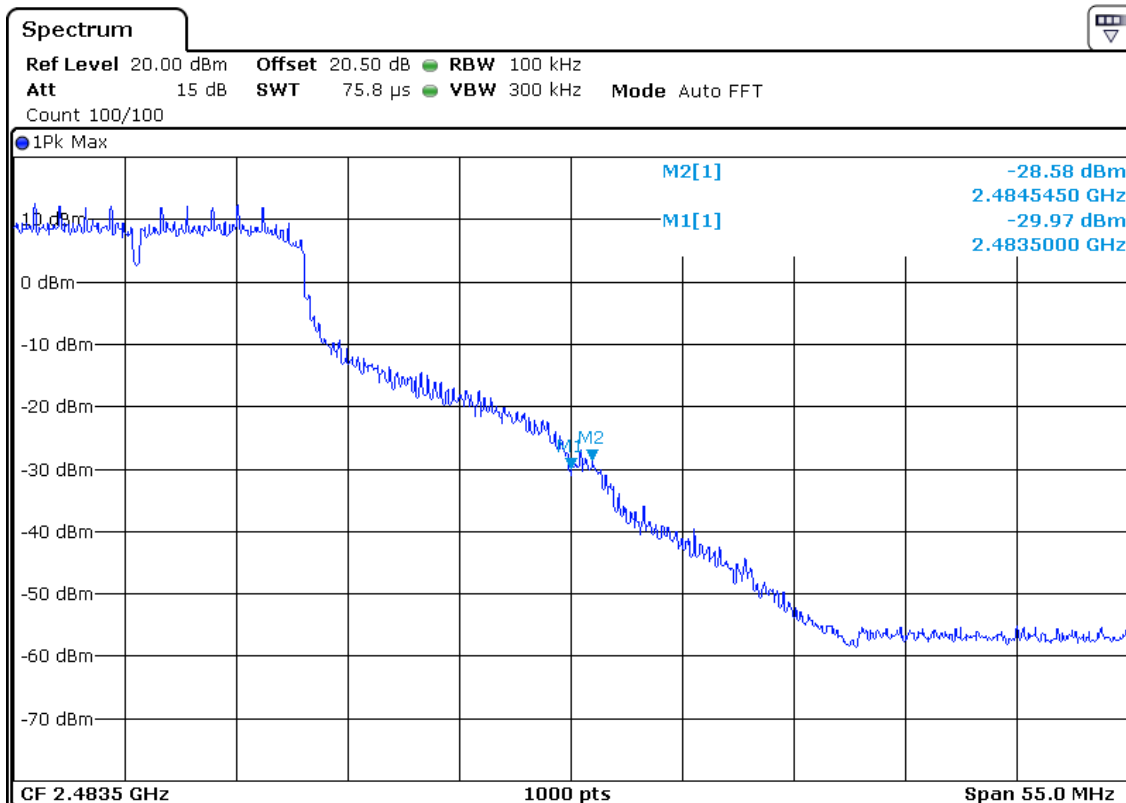
Reference Level Plot: 54 Mbps

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Data Rate: 6 Mbps

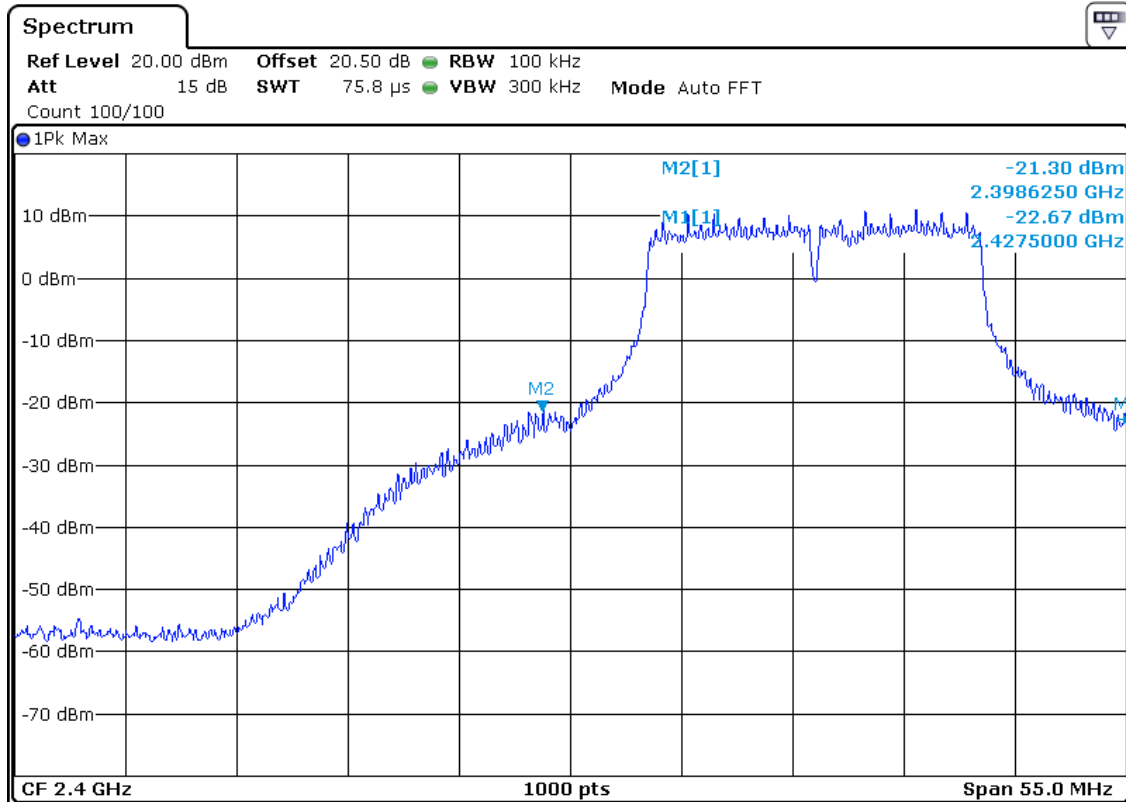
Channel frequency: 2412 MHz



Data Rate: 6 Mbps

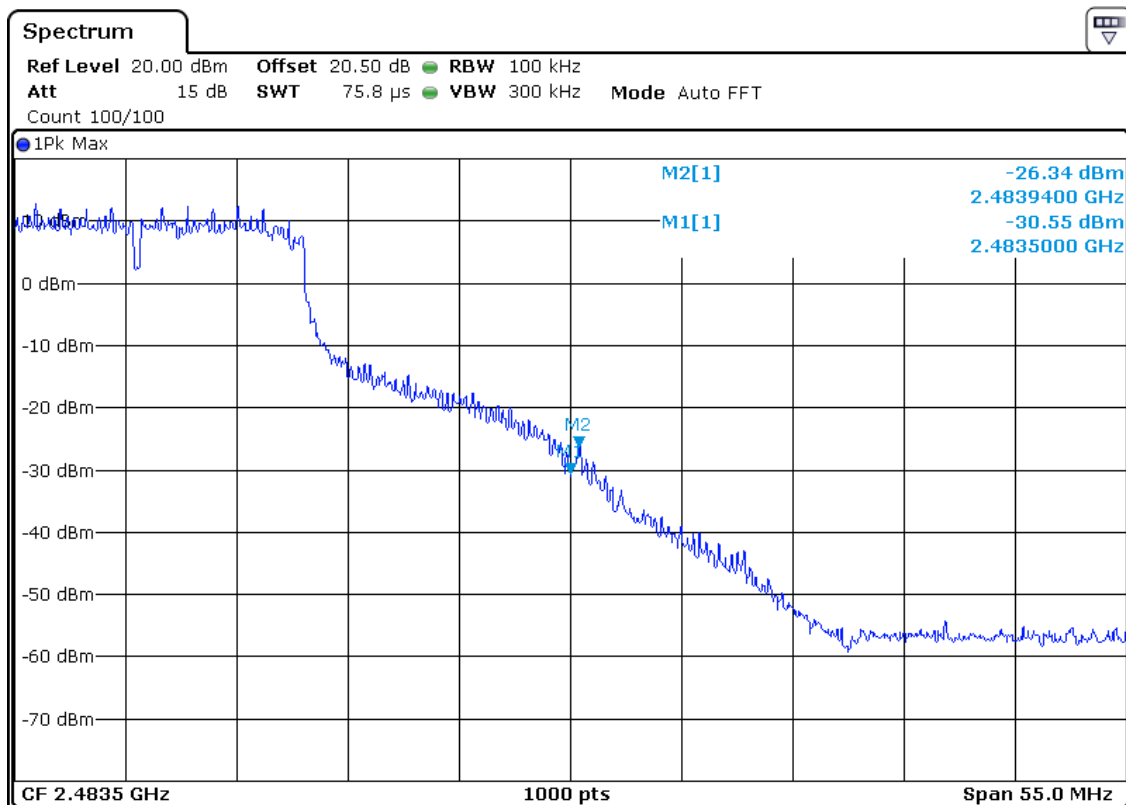
Channel frequency: 2462 MHz

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Data Rate: 24 Mbps

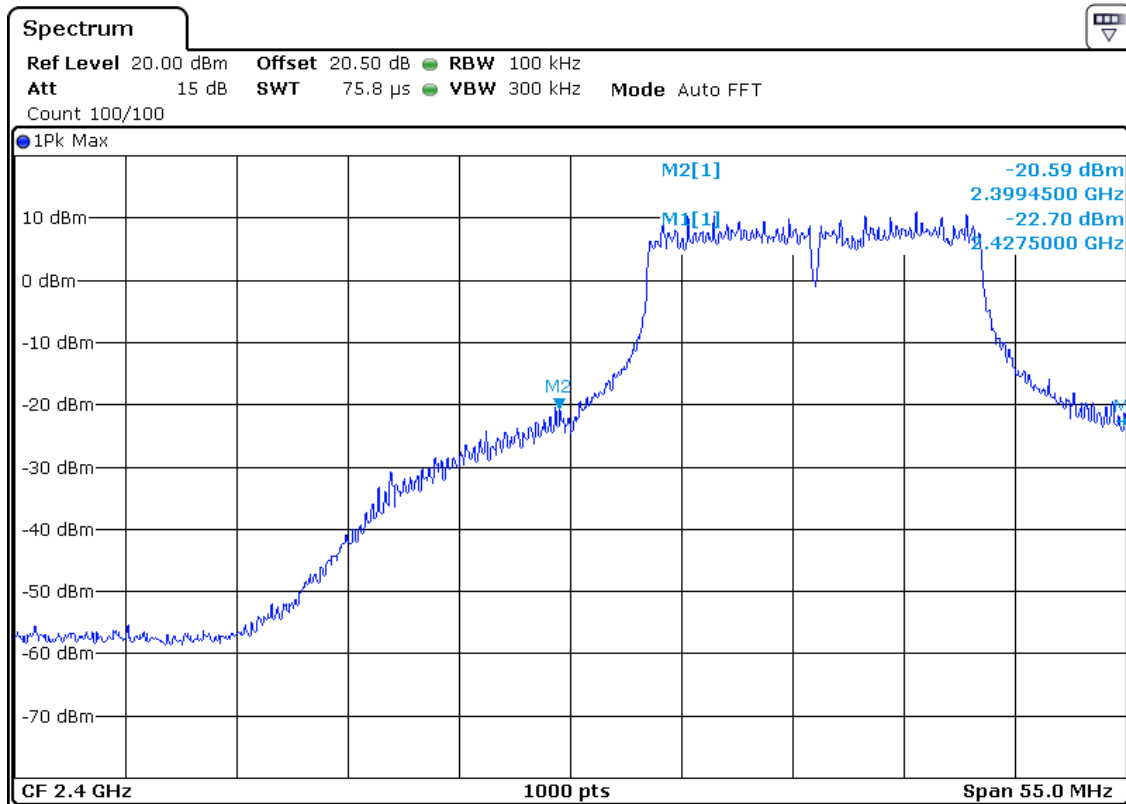
Channel frequency: 2412 MHz



Data Rate: 24 Mbps

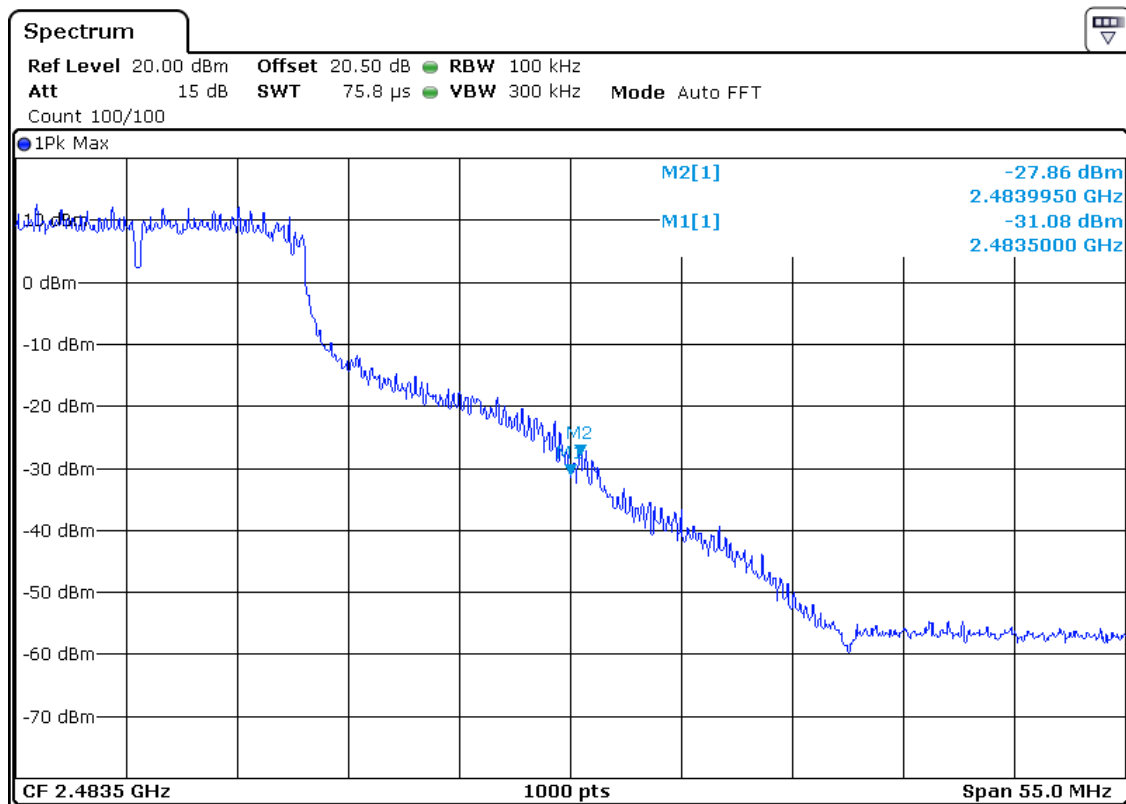
Channel frequency: 2462 MHz

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Data Rate: 54 Mbps

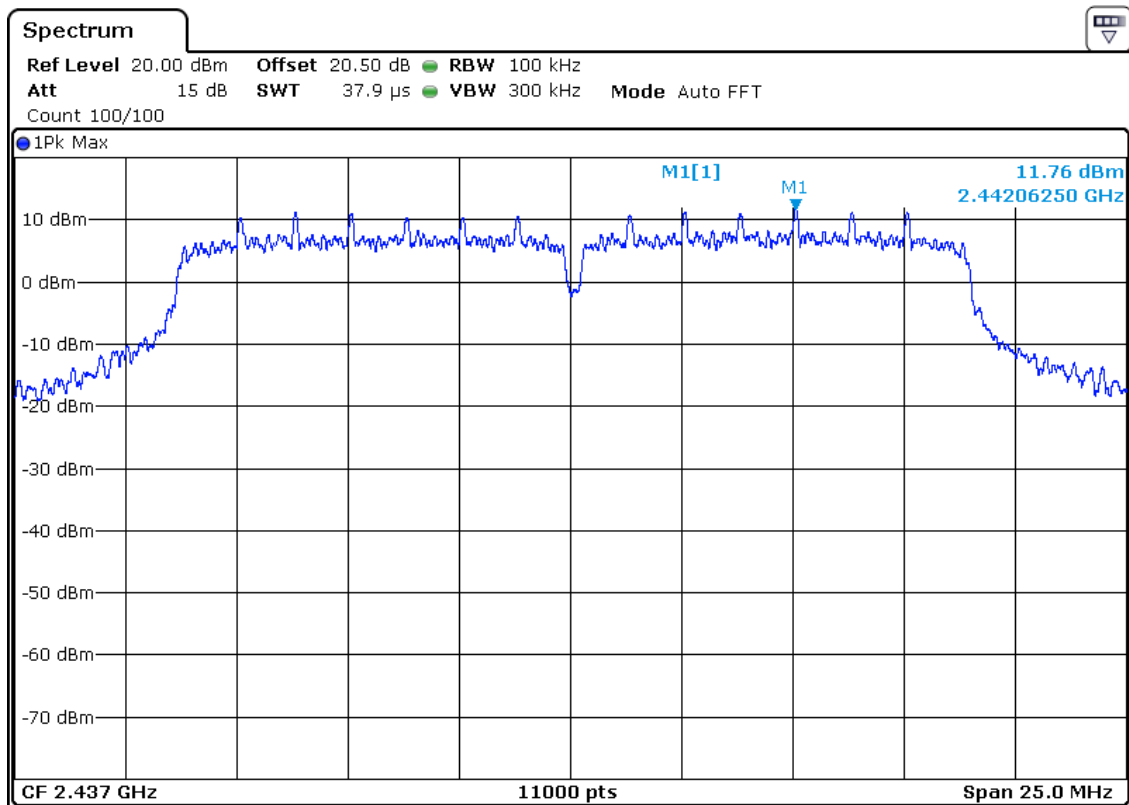
Channel frequency: 2412 MHz



Data Rate: 54 Mbps

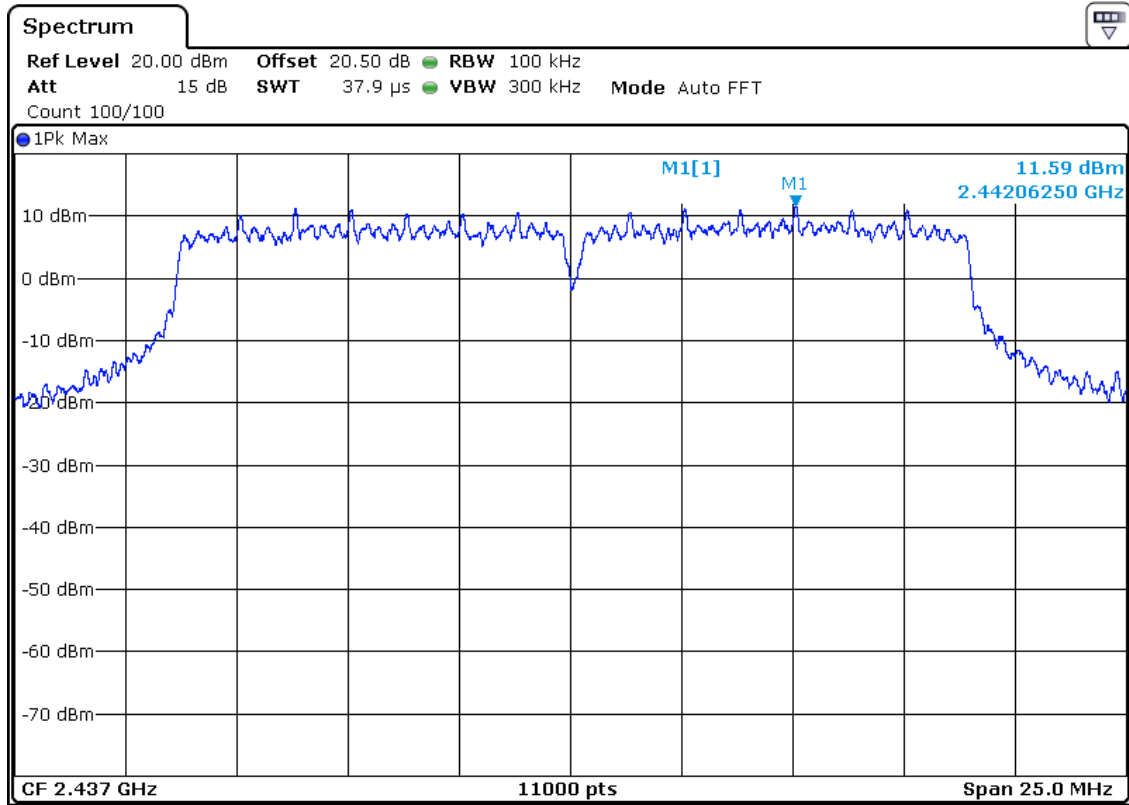
Channel frequency: 2462 MHz

IEEE802.11nHT20						
Data Rate (Mbps)	Channel Frequency (MHz)	Value at Band Edge		Reference Value B (dBm)	Band Edge Value A~B (dBc)	Limit (dBc)
		Frequency (MHz)	Value A (dBm)			
MCS0	2412	2400	-28.32	11.76	40.08	30
	2462	2483.5	-41.15	11.76	52.91	30
MCS4	2412	2400	-32.31	11.59	43.9	30
	2462	2483.5	-43.47	11.59	55.06	30
MCS7	2412	2400	-30.70	11.20	41.9	30
	2462	2483.5	-43.01	11.20	54.21	30

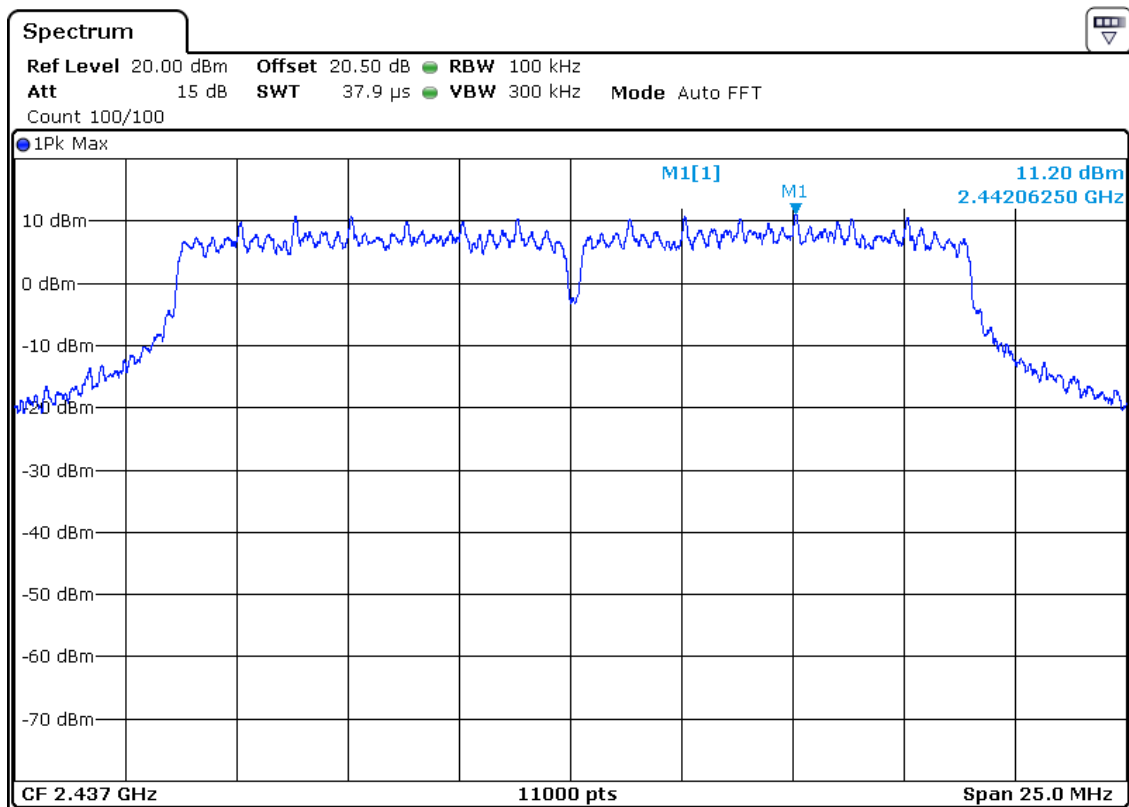


Reference Level Plot: MCS0

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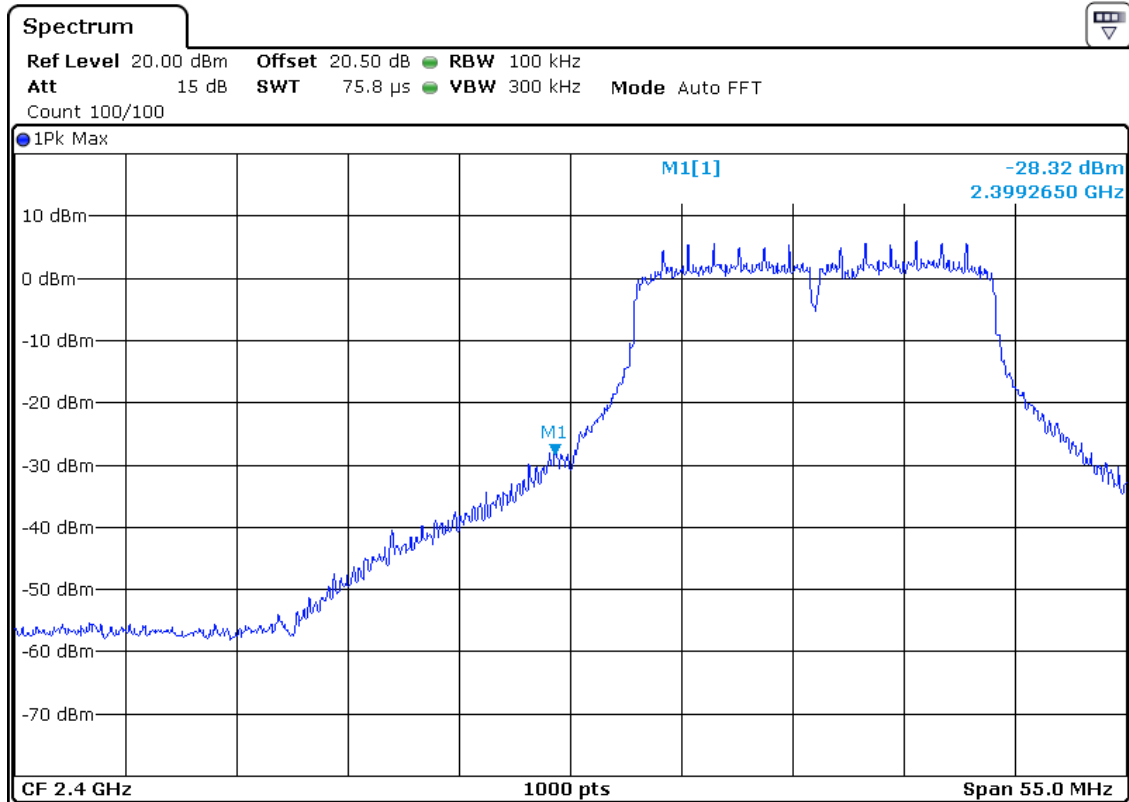


Reference Level Plot: MCS4



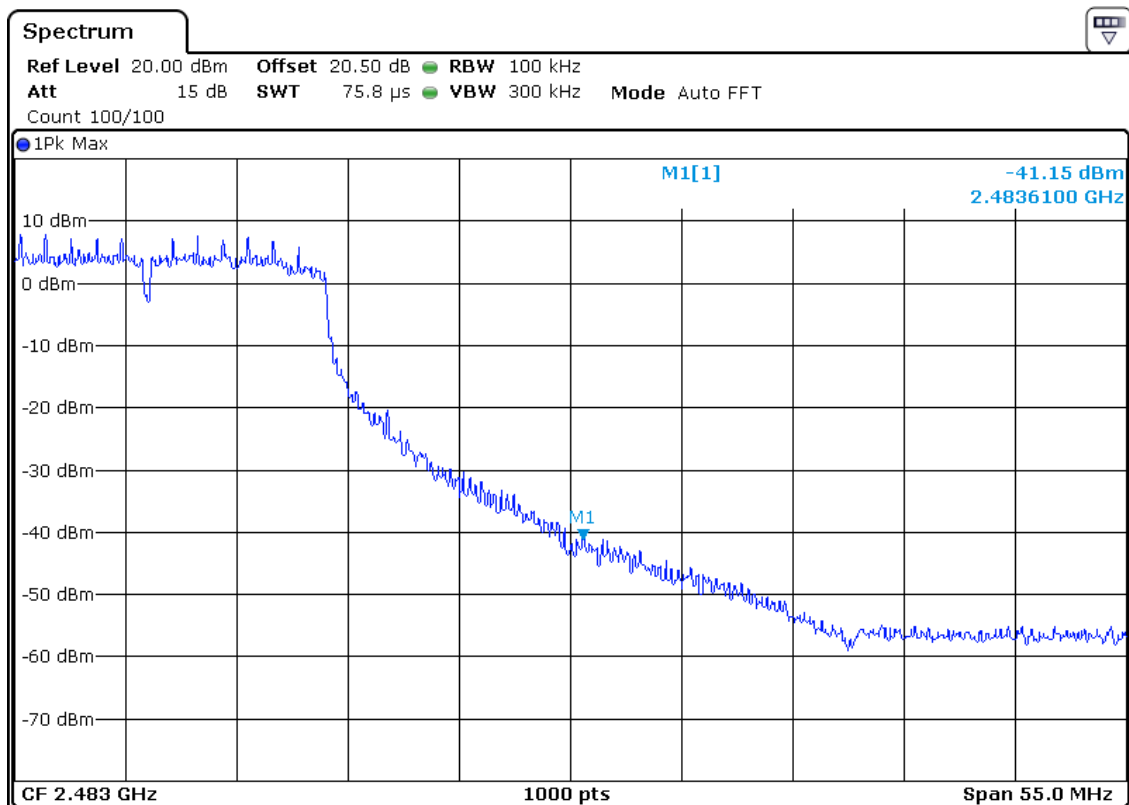
Reference Level Plot: MCS7

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Data Rate: MCS0

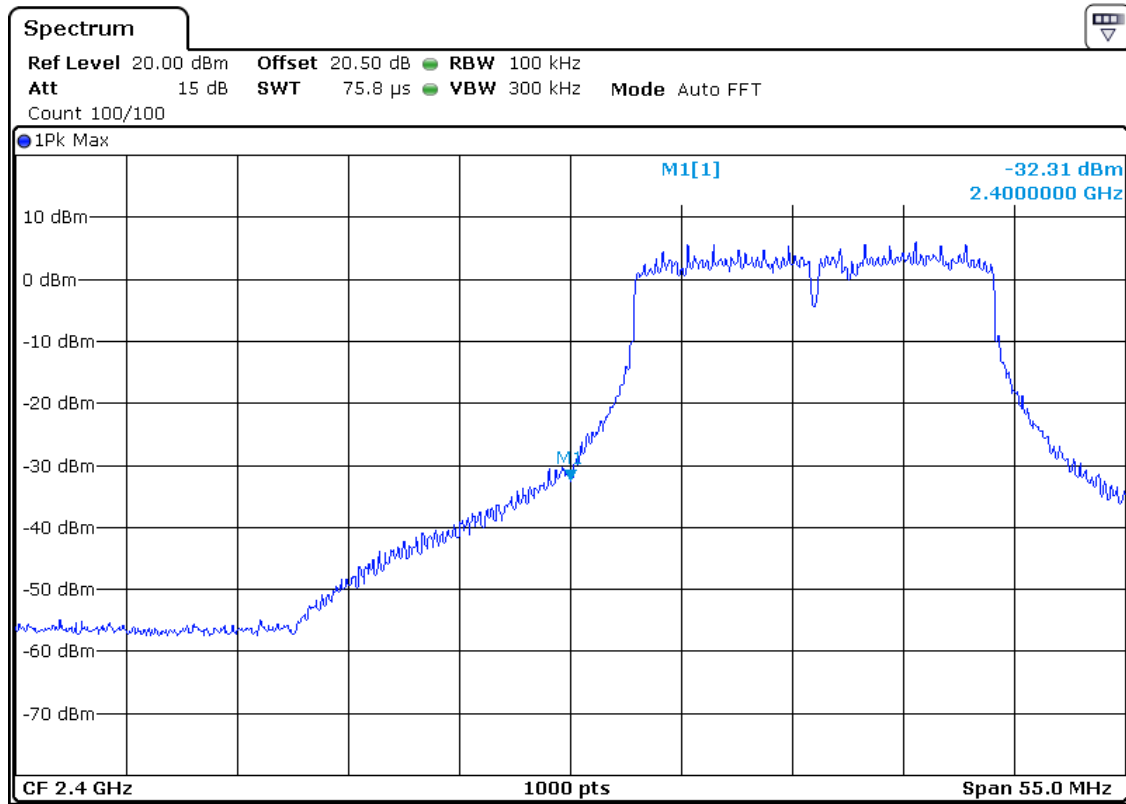
Channel frequency: 2412 MHz



Data Rate: MCS0

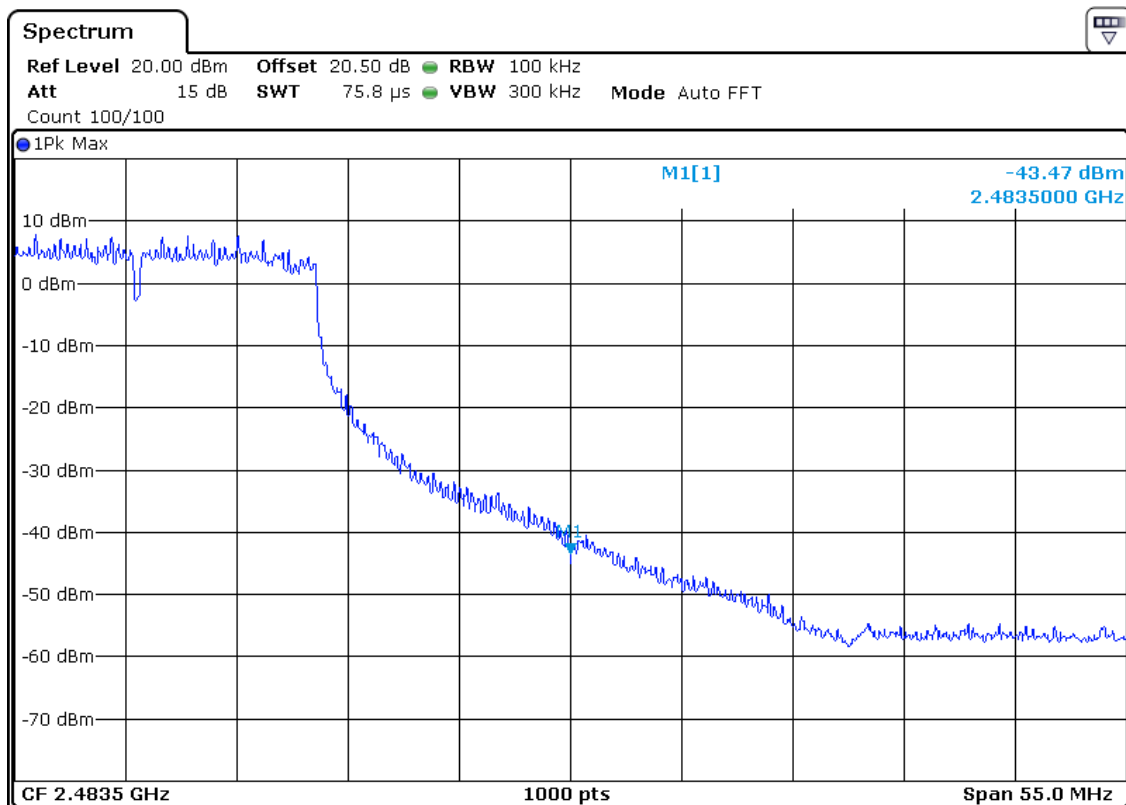
Channel frequency: 2462 MHz

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Data Rate: MCS4

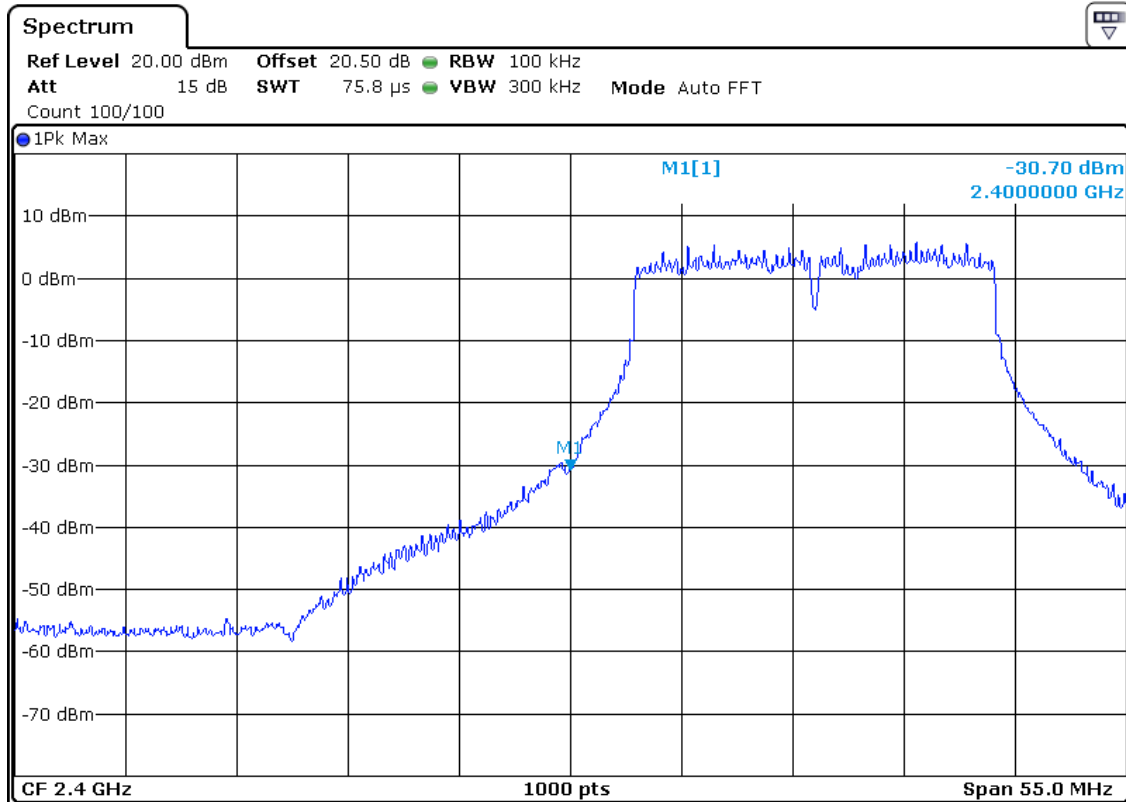
Channel frequency: 2412 MHz



Data Rate: MCS4

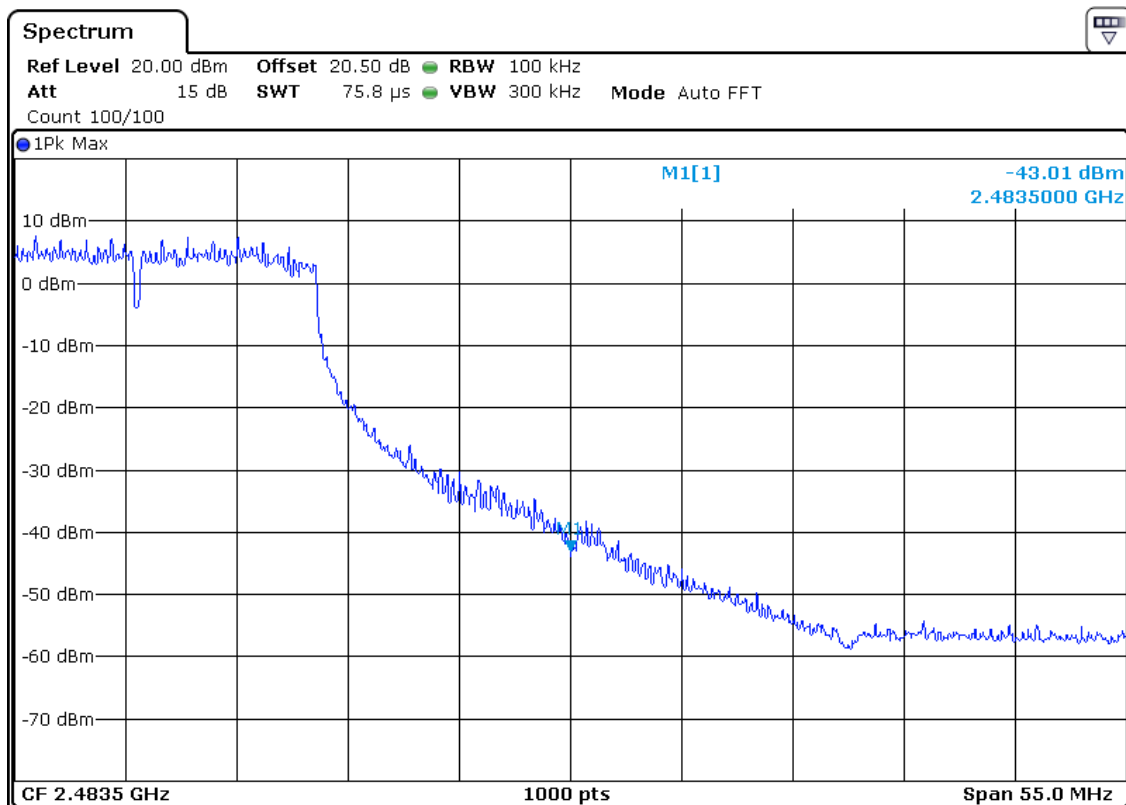
Channel frequency: 2462 MHz

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Data Rate: MCS7

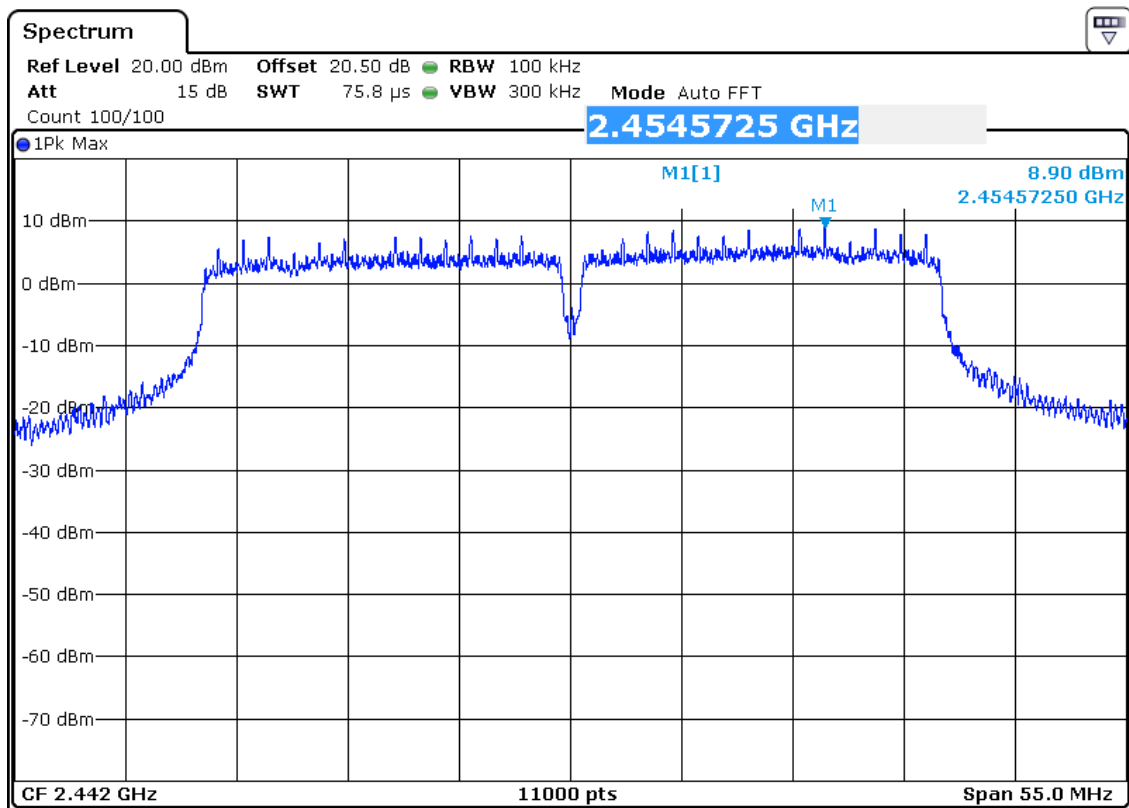
Channel frequency: 2412 MHz



Data Rate: MCS7

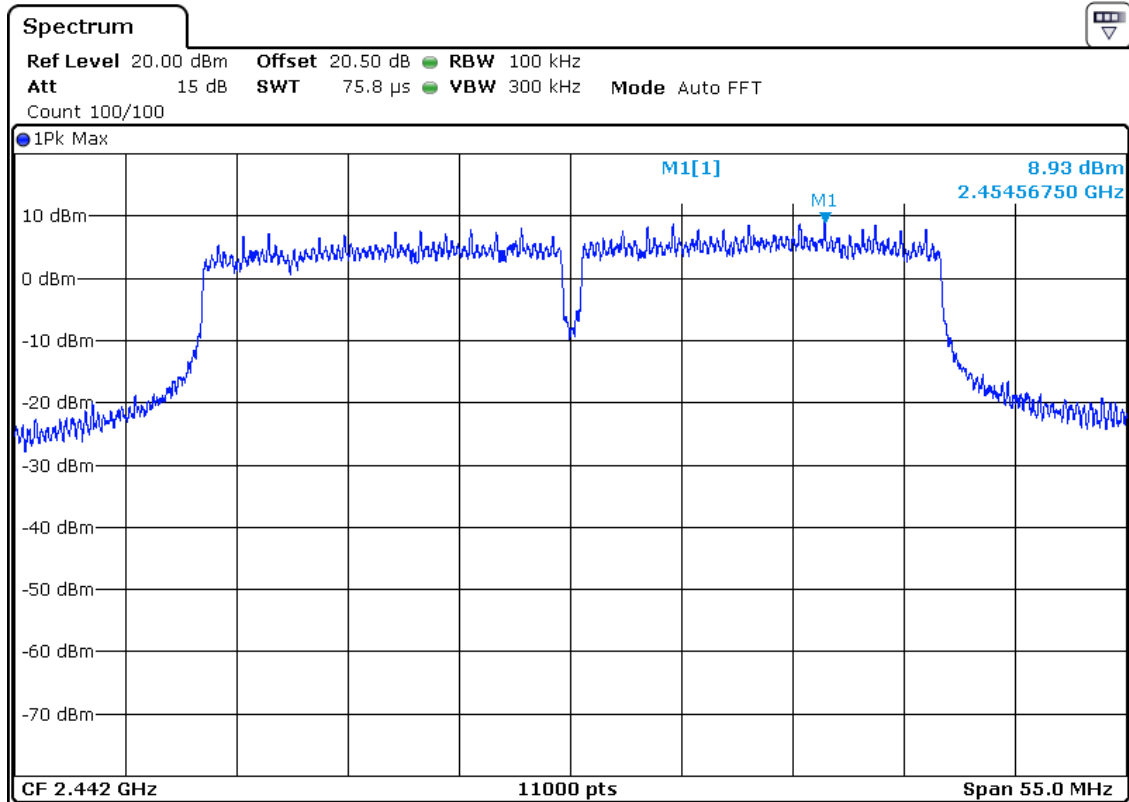
Channel frequency: 2462 MHz

IEEE802.11nHT40						
Data Rate (Mbps)	Channel Frequency (MHz)	Value at Band Edge		Reference Value B (dBm)	Band Edge Value A~B (dBc)	Limit (dBc)
		Frequency (MHz)	Value A (dBm)			
MCS0	2422	2400	-35.70	8.90	44.6	30
	2457	2483.5	-29	8.90	37.9	30
MCS4	2422	2400	-31.69	8.93	40.62	30
	2457	2483.5	-35.96	8.93	44.89	30
MCS7	2422	2400	-33	8.68	41.68	30
	2457	2483.5	-36.05	8.68	44.73	30

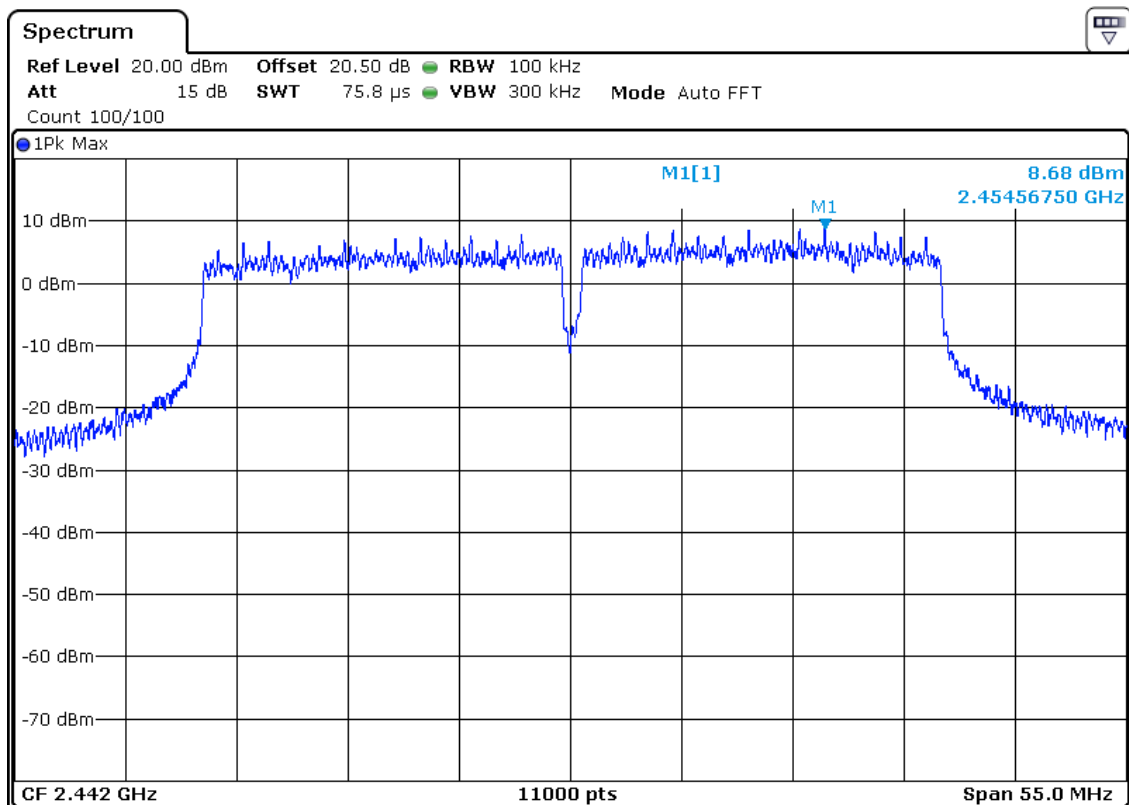


Reference Level Plot: MCS0

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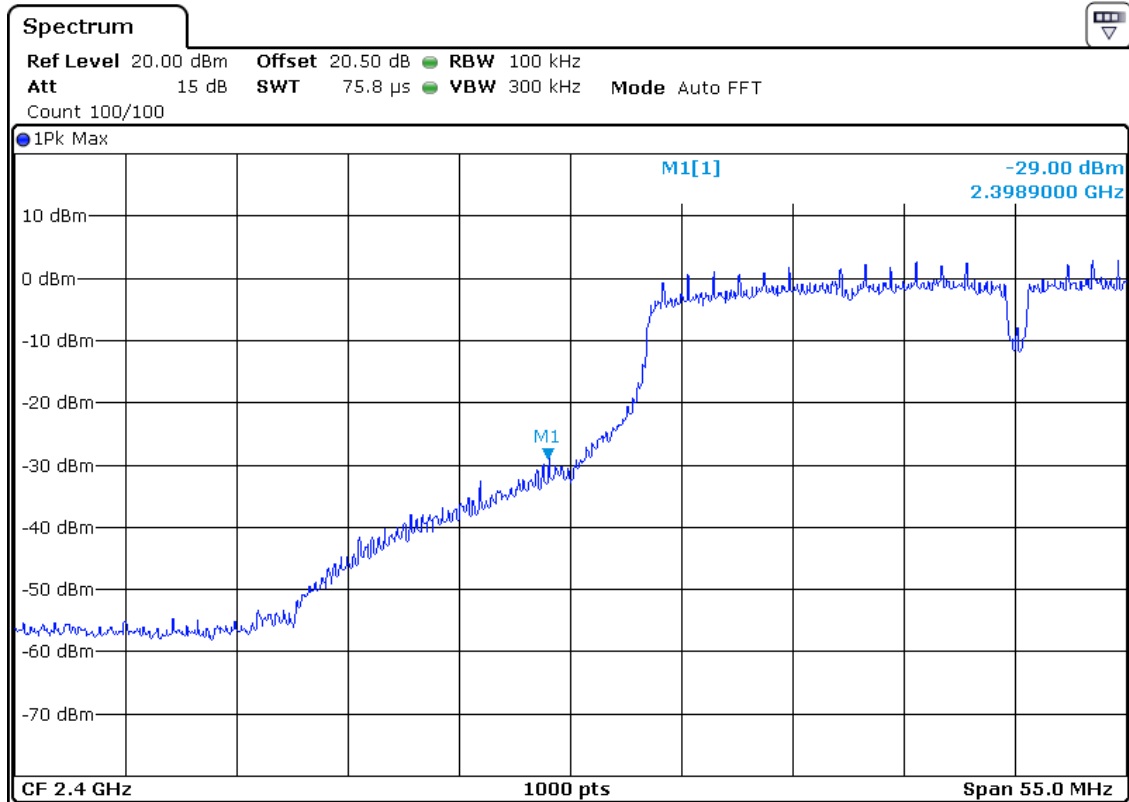


Reference Level Plot: MCS4



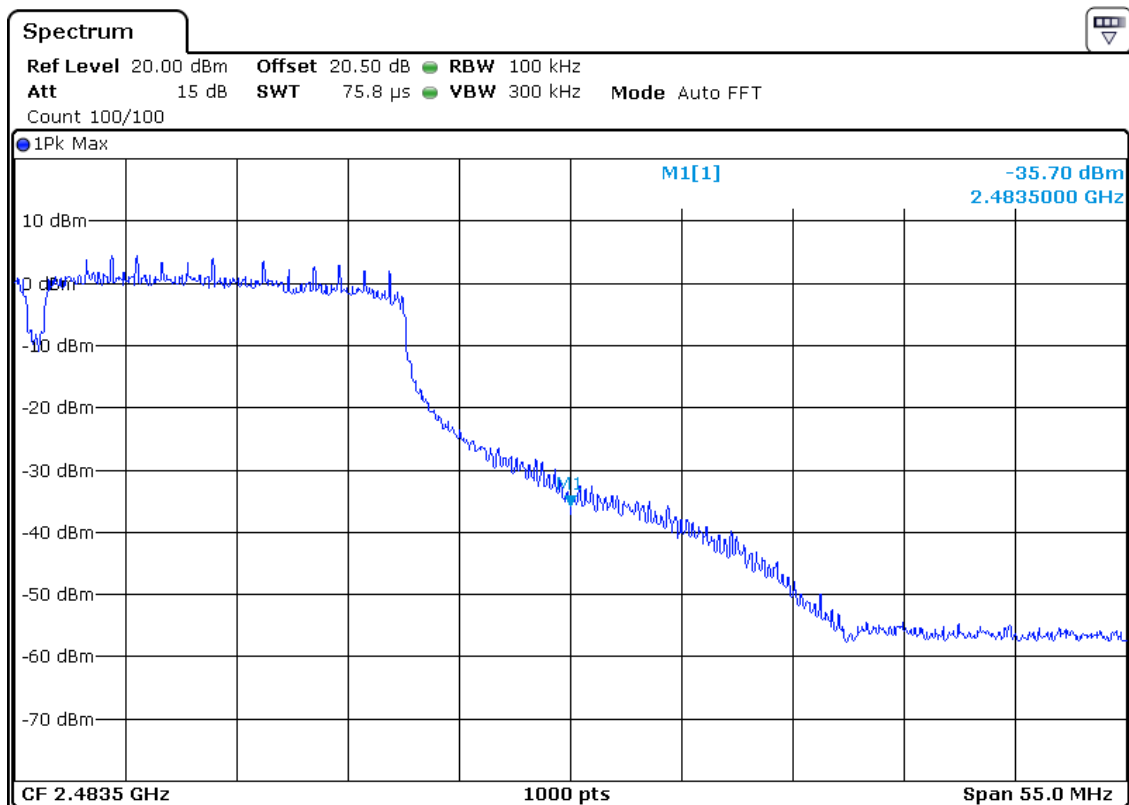
Reference Level Plot: MCS7

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Data Rate: MCS0

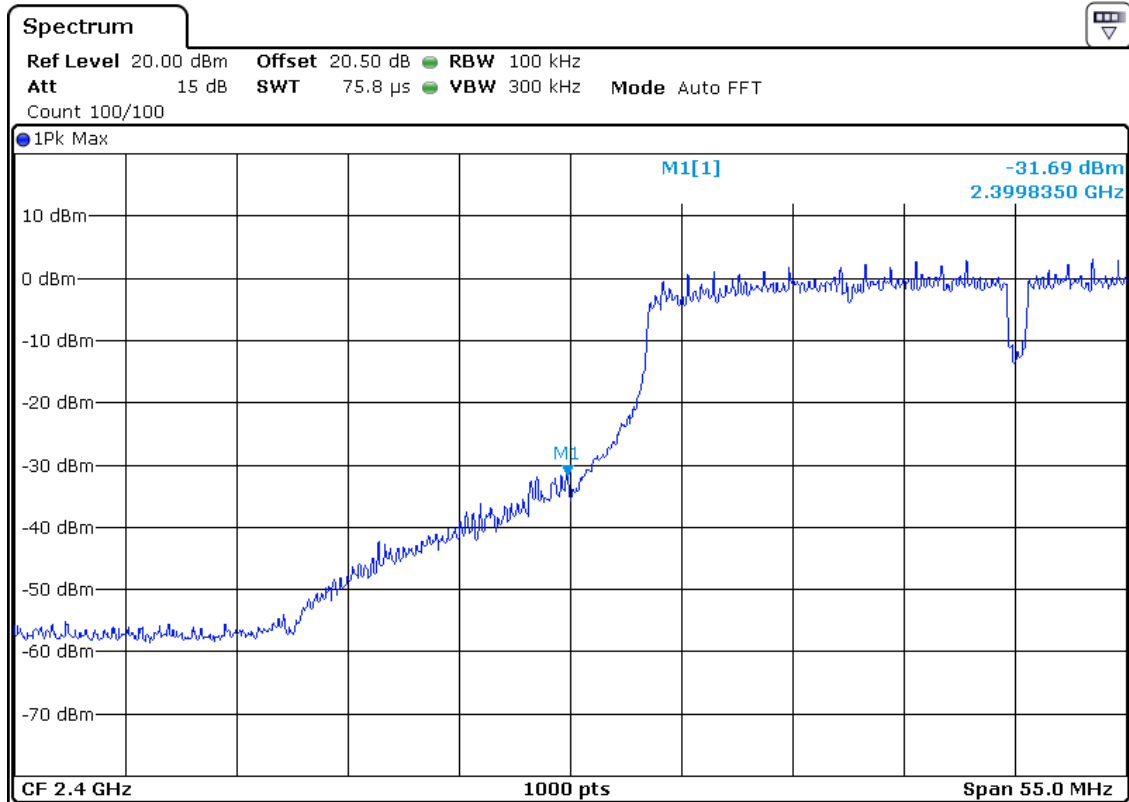
Channel frequency: 2422 MHz



Data Rate: MCS0

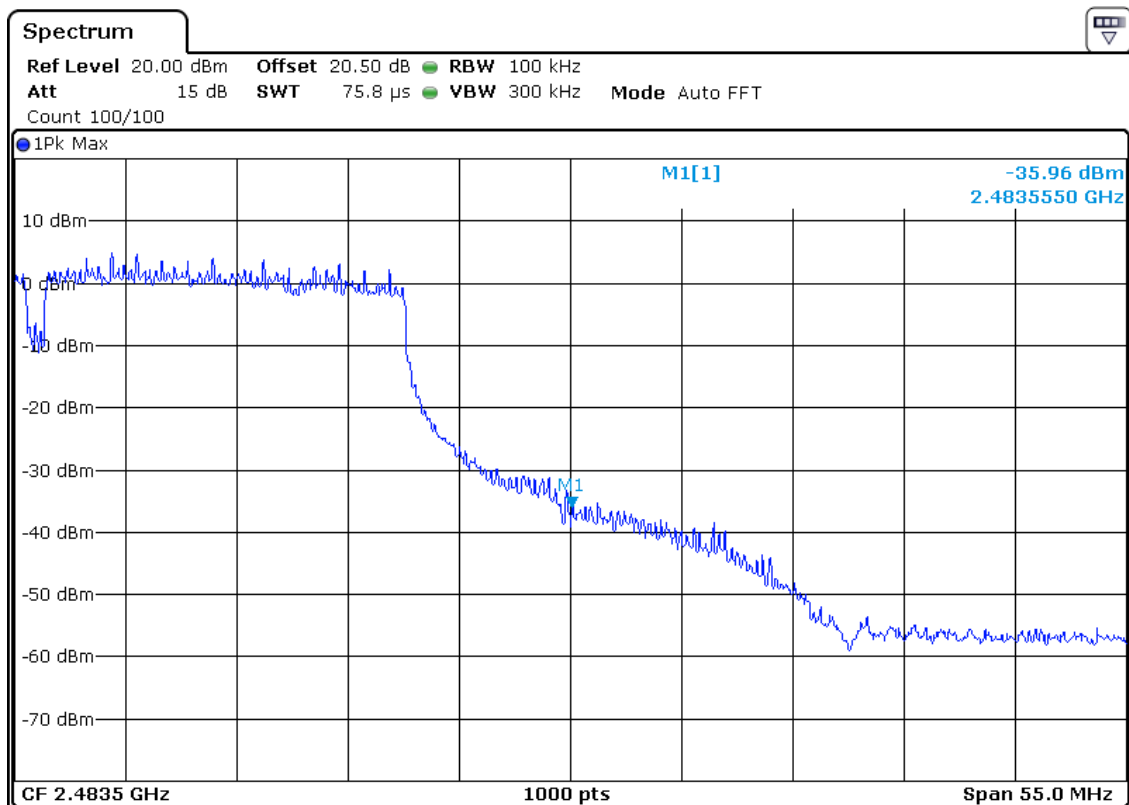
Channel frequency: 2457 MHz

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Data Rate: MCS4

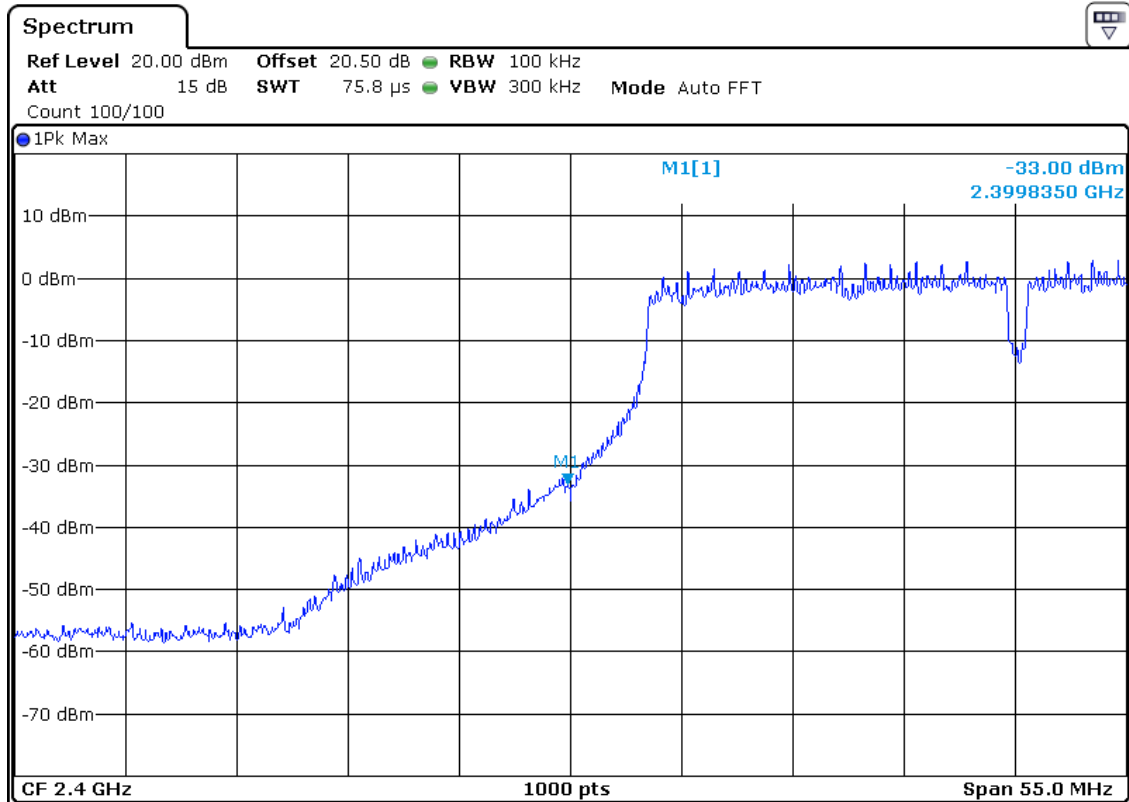
Channel frequency: 2422 MHz



Data Rate: MCS4

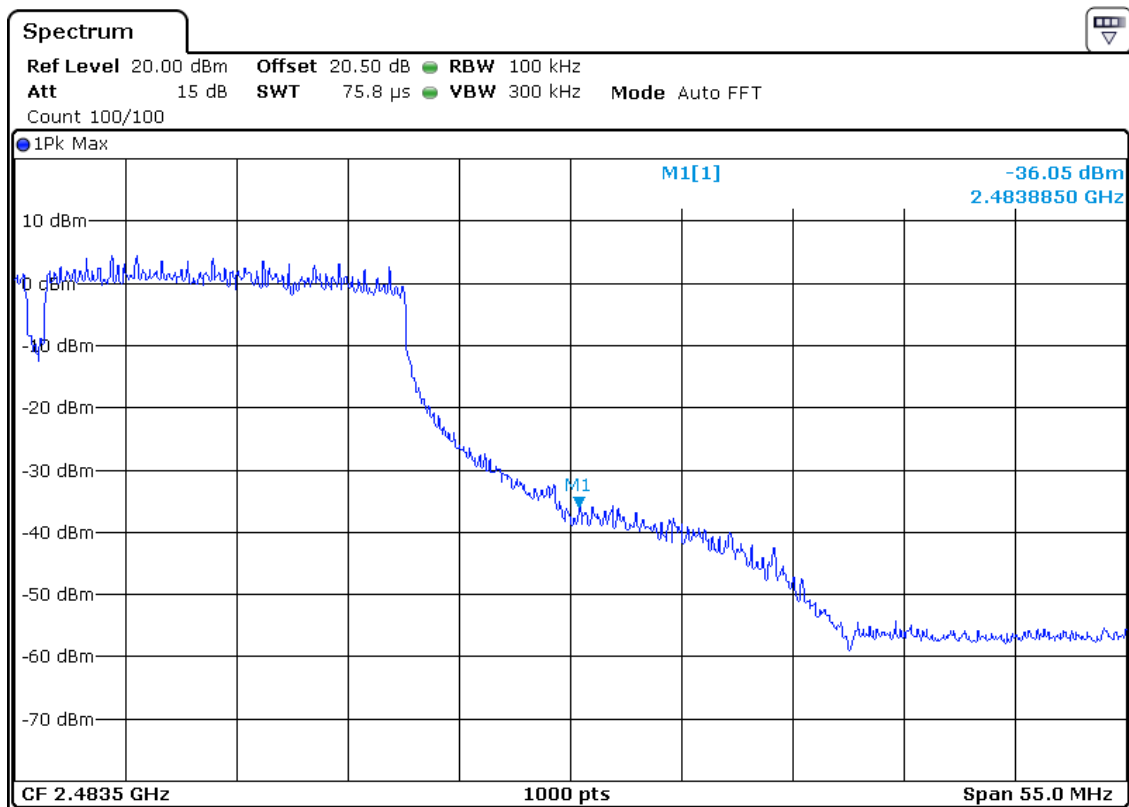
Channel frequency: 2457 MHz

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Data Rate: MCS7

Channel frequency: 2422 MHz



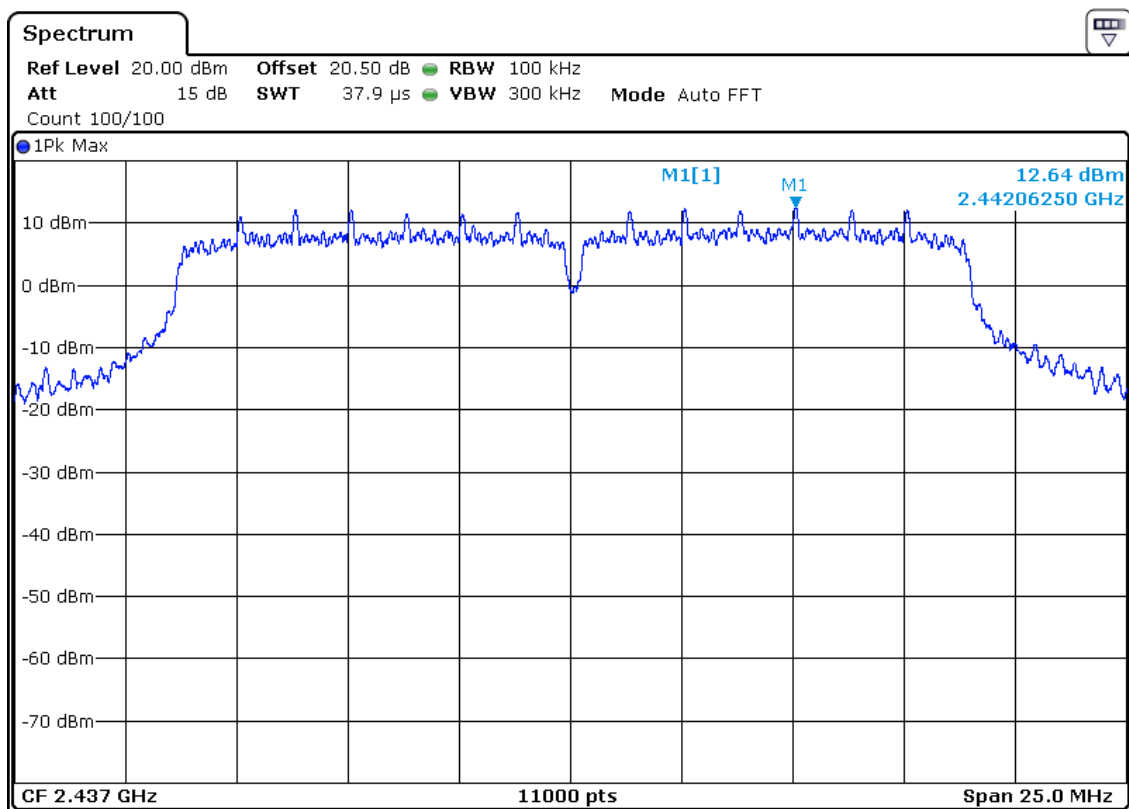
Data Rate: MCS7

Channel frequency: 2457 MHz

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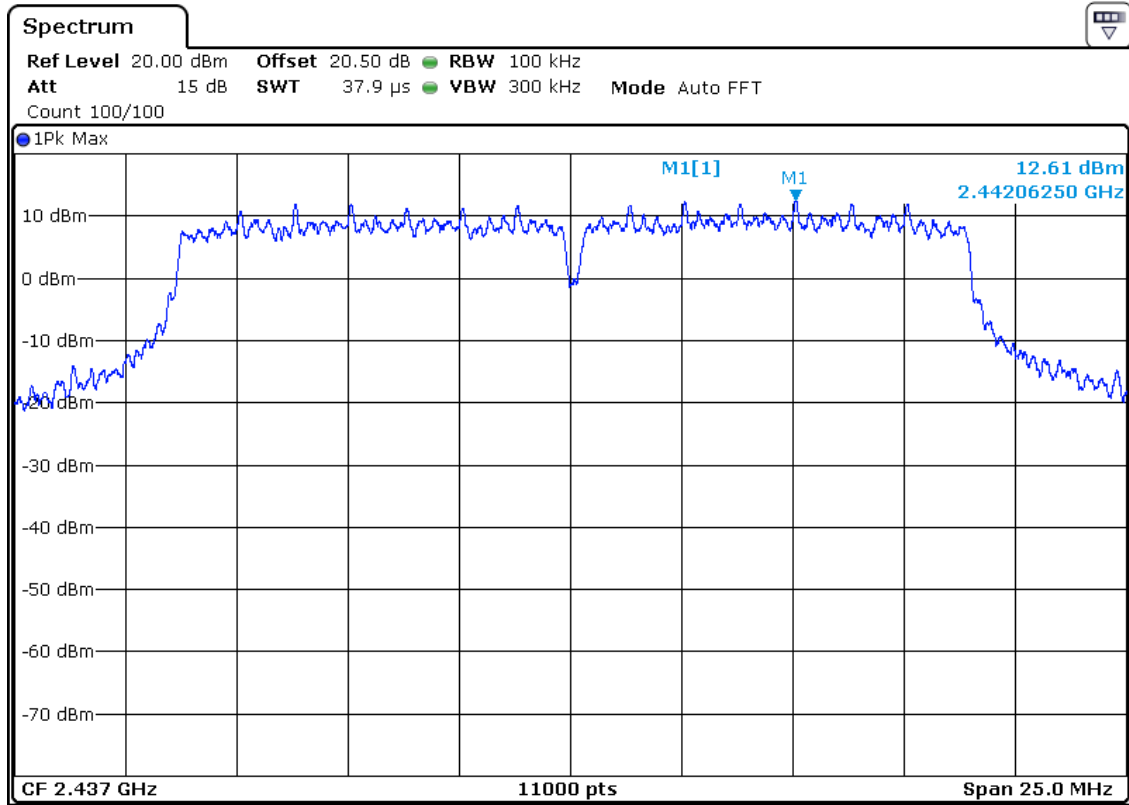
Test Results for Path B

IEEE802.11nHT20						
Data Rate (Mbps)	Channel Frequency (MHz)	Value at Band Edge		Reference Value B (dBm)	Band Edge Value A~B (dBc)	Limit (dBc)
		Frequency (MHz)	Value A (dBm)			
MCS0	2412	2400	-27.38	12.64	40.02	30
	2462	2483.5	-40.44	12.64	53.08	30
MCS4	2412	2400	-30.02	12.61	42.63	30
	2462	2483.5	-40.16	12.61	52.77	30
MCS7	2412	2400	-30.35	12.49	42.84	30
	2462	2483.5	-40.86	12.49	53.35	30

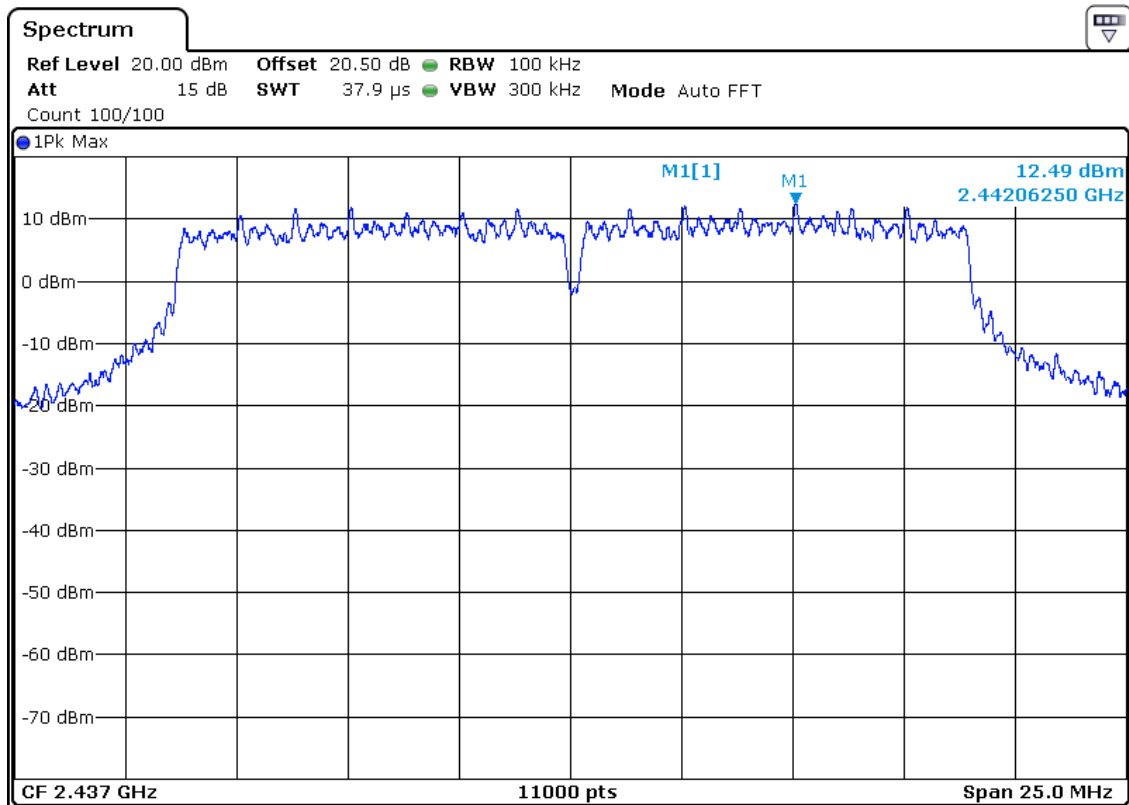


Reference Level Plot: MCS0

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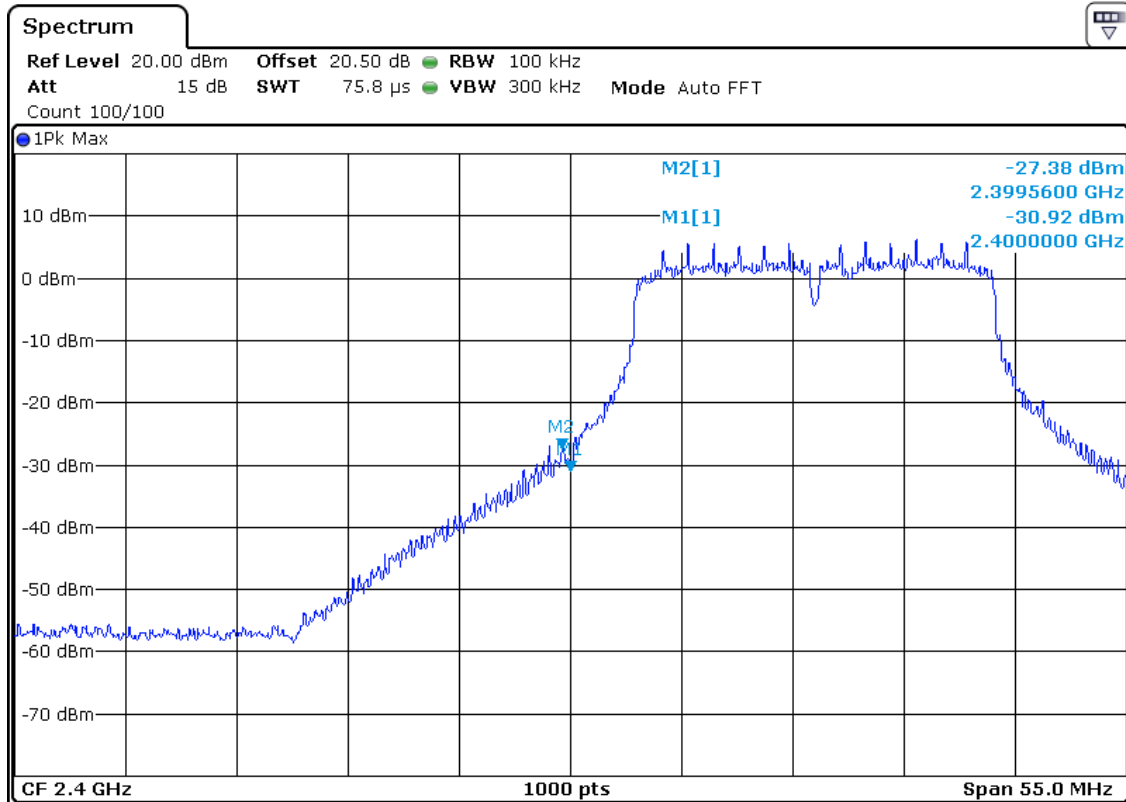


Reference Level Plot: MCS4



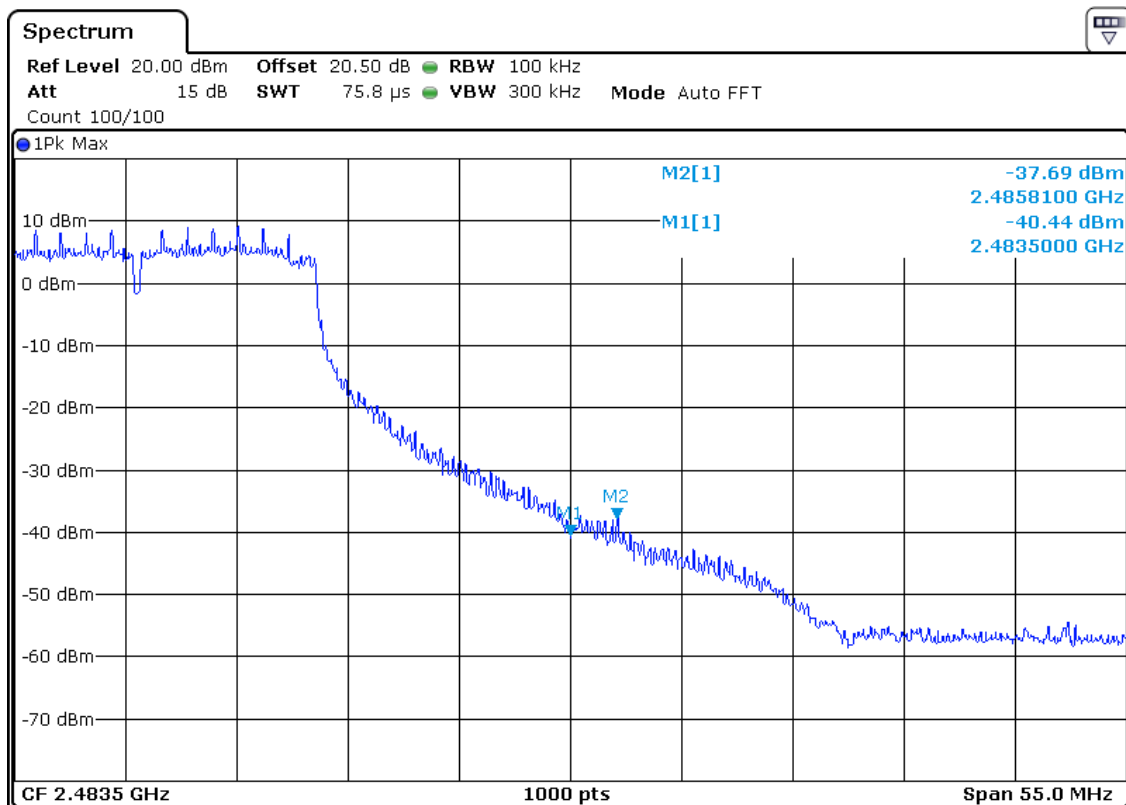
Reference Level Plot: MCS7

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Data Rate: MCS0

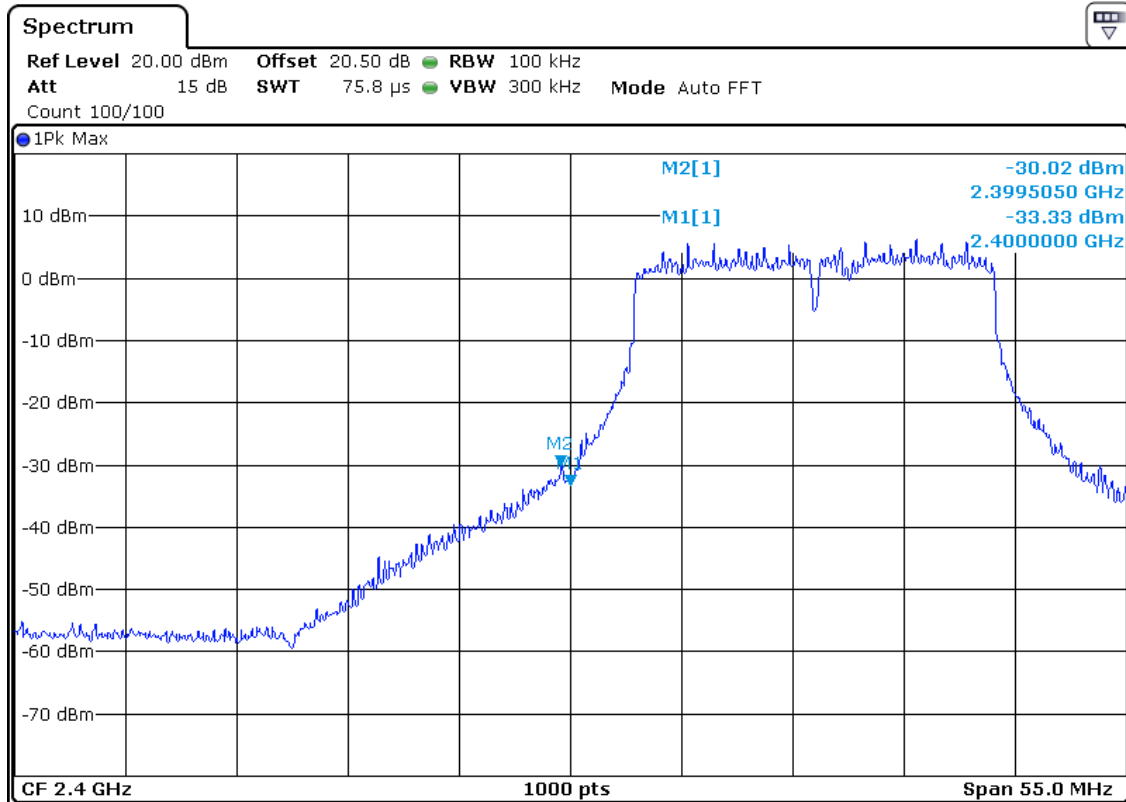
Channel frequency: 2412 MHz



Data Rate: MCS0

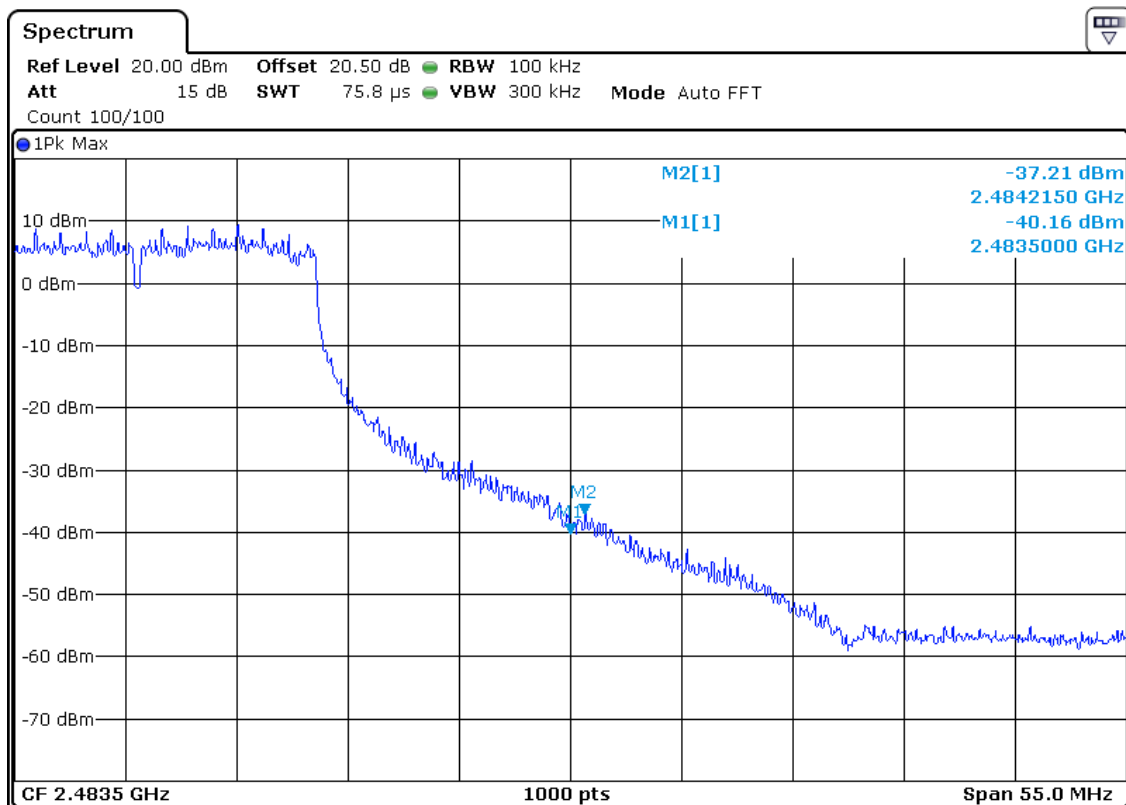
Channel frequency: 2462 MHz

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Data Rate: MCS4

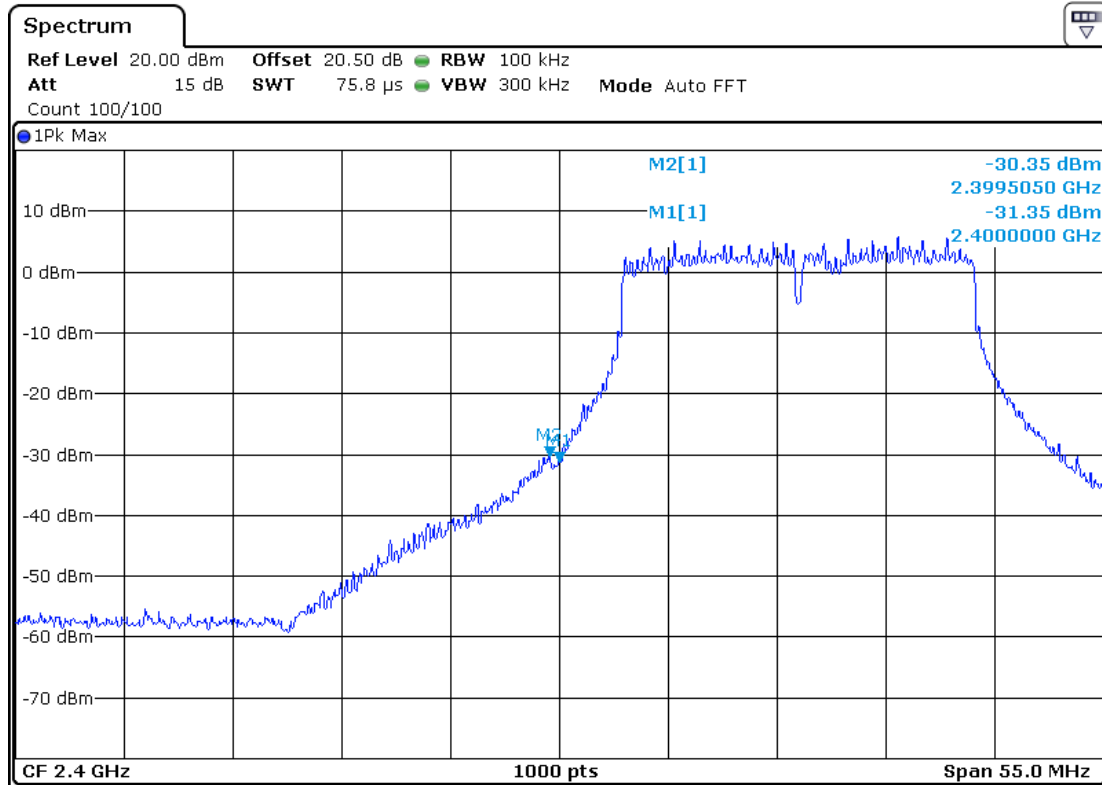
Channel frequency: 2412 MHz



Data Rate: MCS4

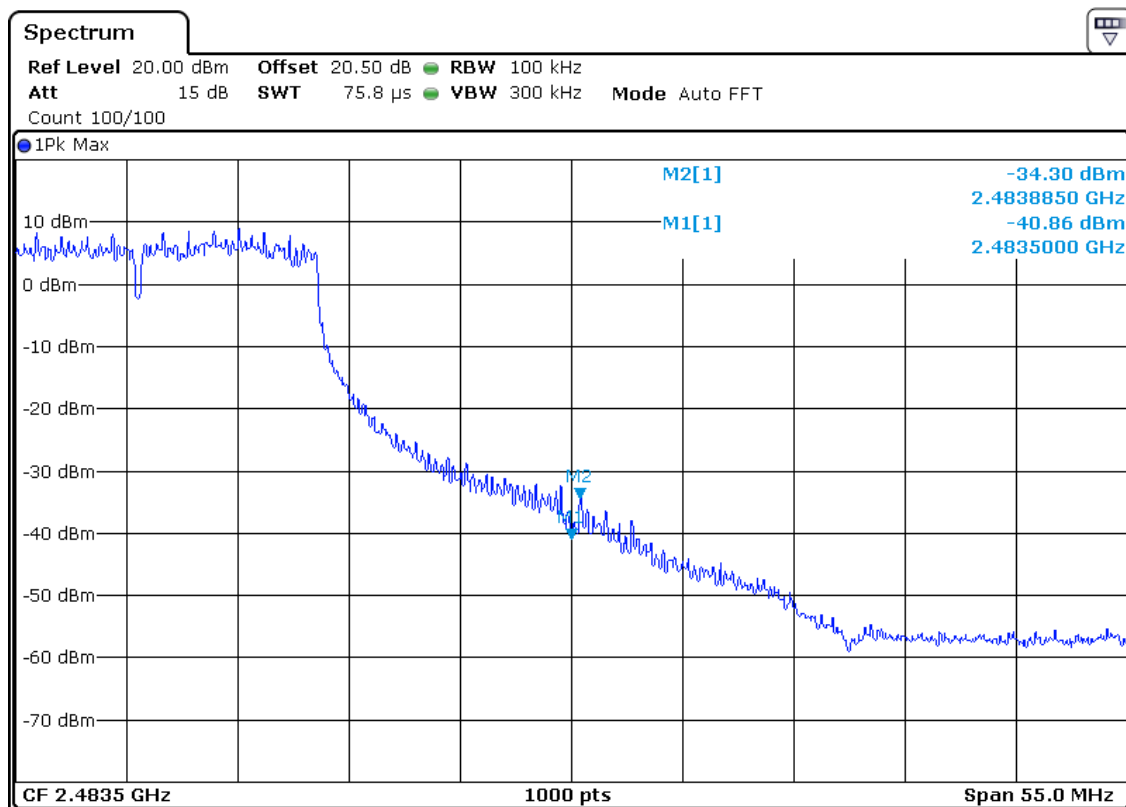
Channel frequency: 2462 MHz

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Data Rate: MCS7

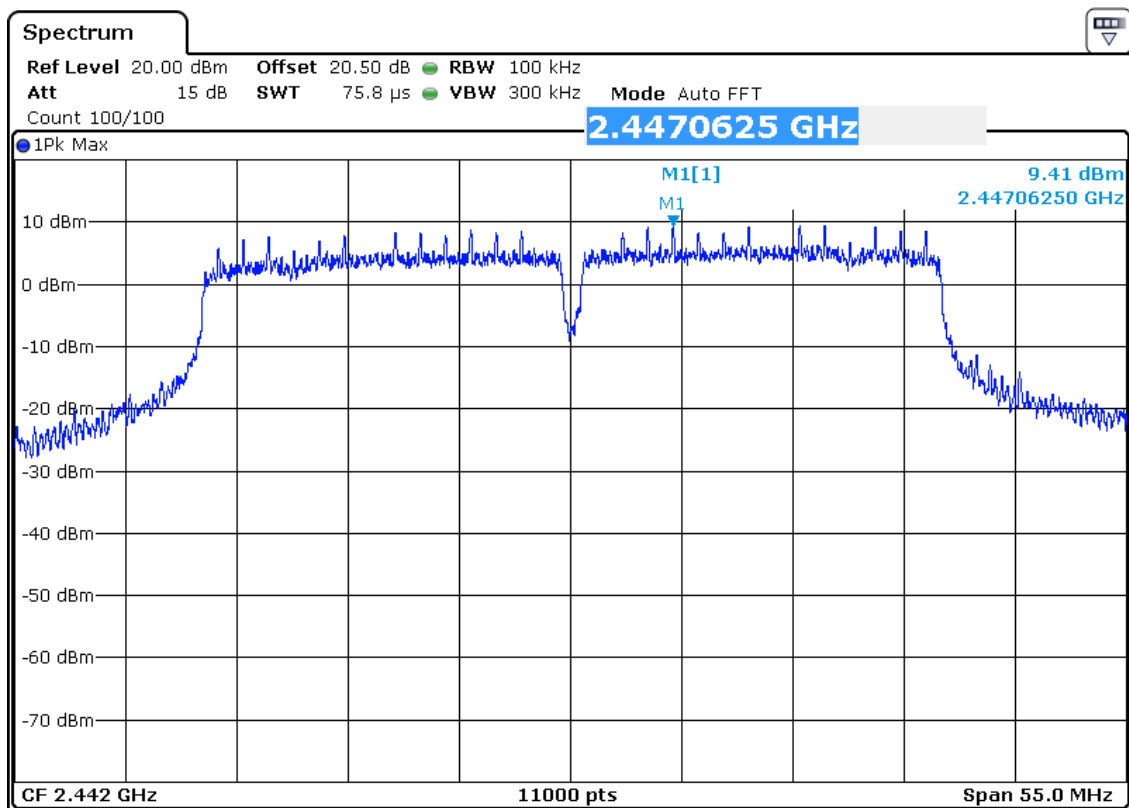
Channel frequency: 2412 MHz



Data Rate: MCS7

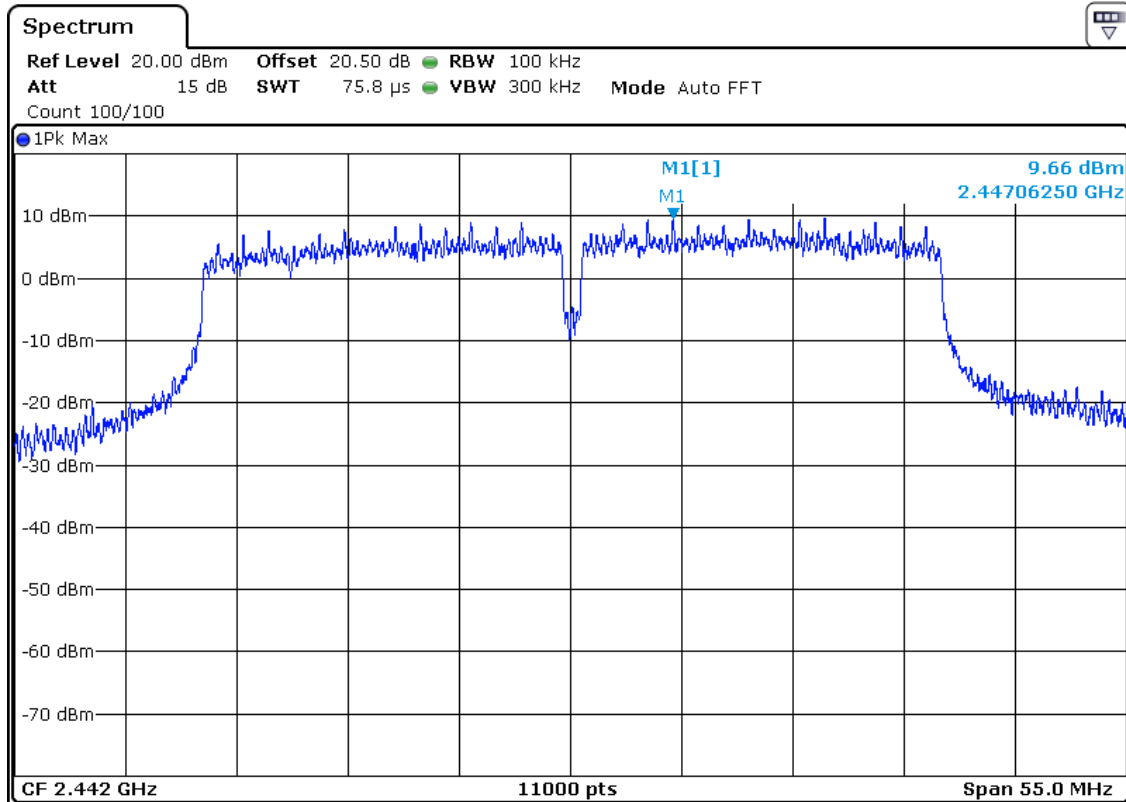
Channel frequency: 2462 MHz

IEEE802.11nHT40						
Data Rate (Mbps)	Channel Frequency (MHz)	Value at Band Edge		Reference Value B (dBm)	Band Edge Value A~B (dBc)	Limit (dBc)
		Frequency (MHz)	Value A (dBm)			
MCS0	2422	2400	-28.86	9.41	38.27	30
	2457	2483.5	-34.07	9.41	43.48	30
MCS4	2422	2400	-31.59	9.66	41.25	30
	2457	2483.5	-31.83	9.66	41.49	30
MCS7	2422	2400	-31.79	9.64	41.43	30
	2457	2483.5	-36.83	9.64	46.47	30

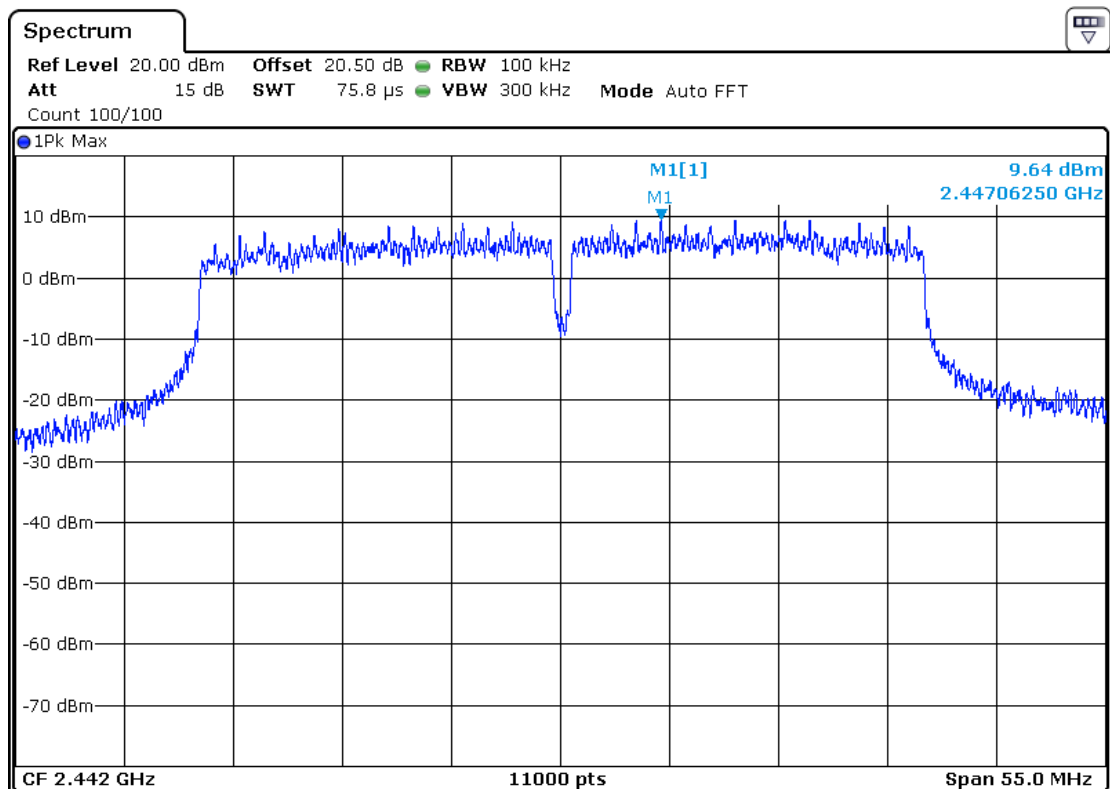


Reference Level Plot: MCS0

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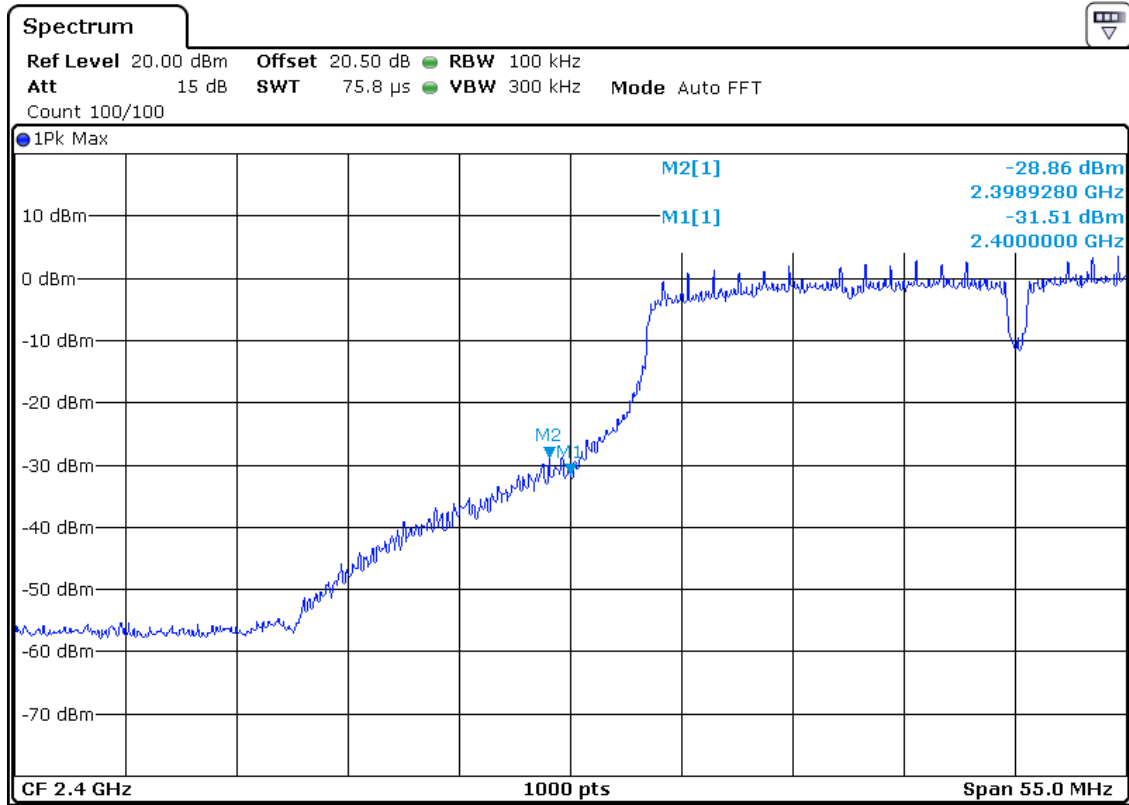


Reference Level Plot: MCS4



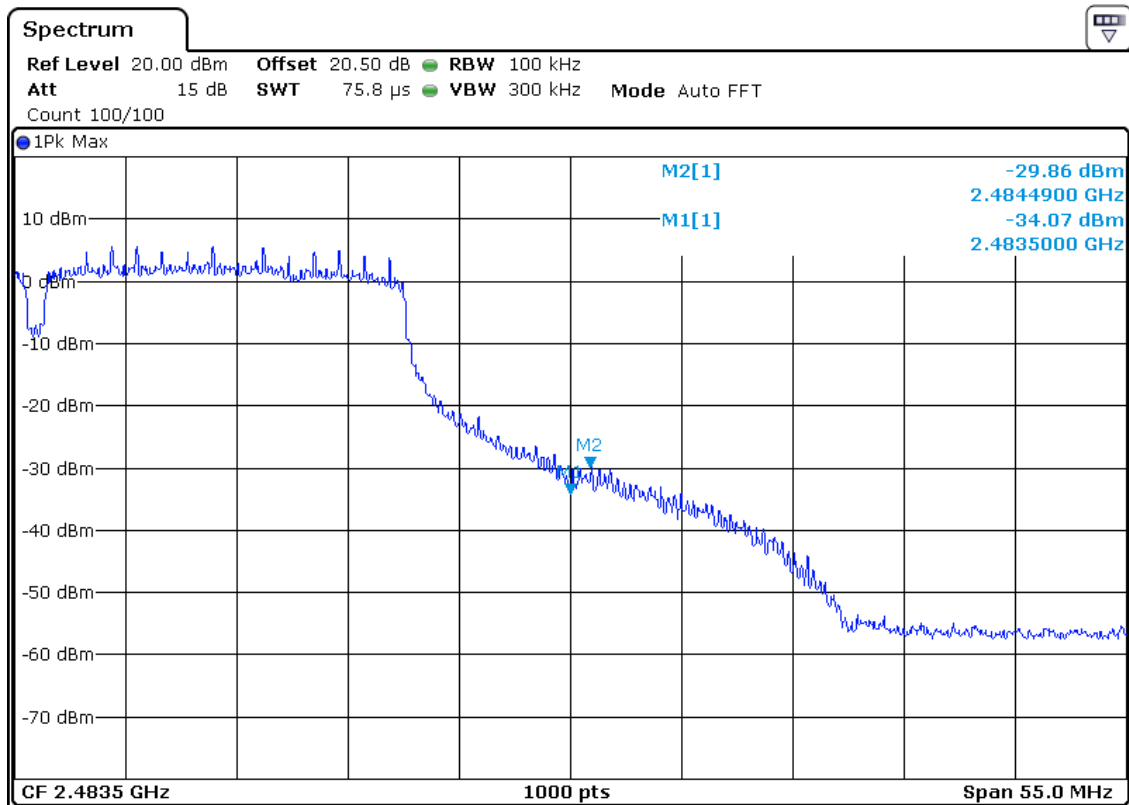
Reference Level Plot: MCS7

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Data Rate: MCS0

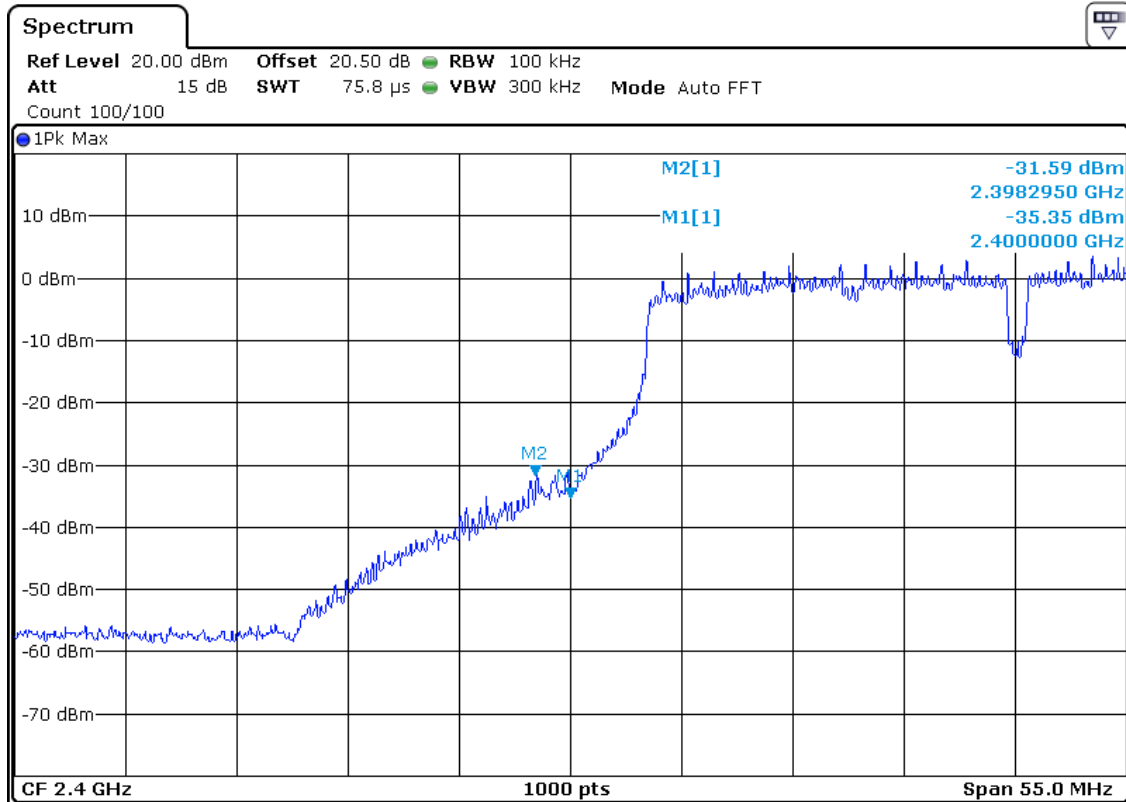
Channel frequency: 2422 MHz



Data Rate: MCS0

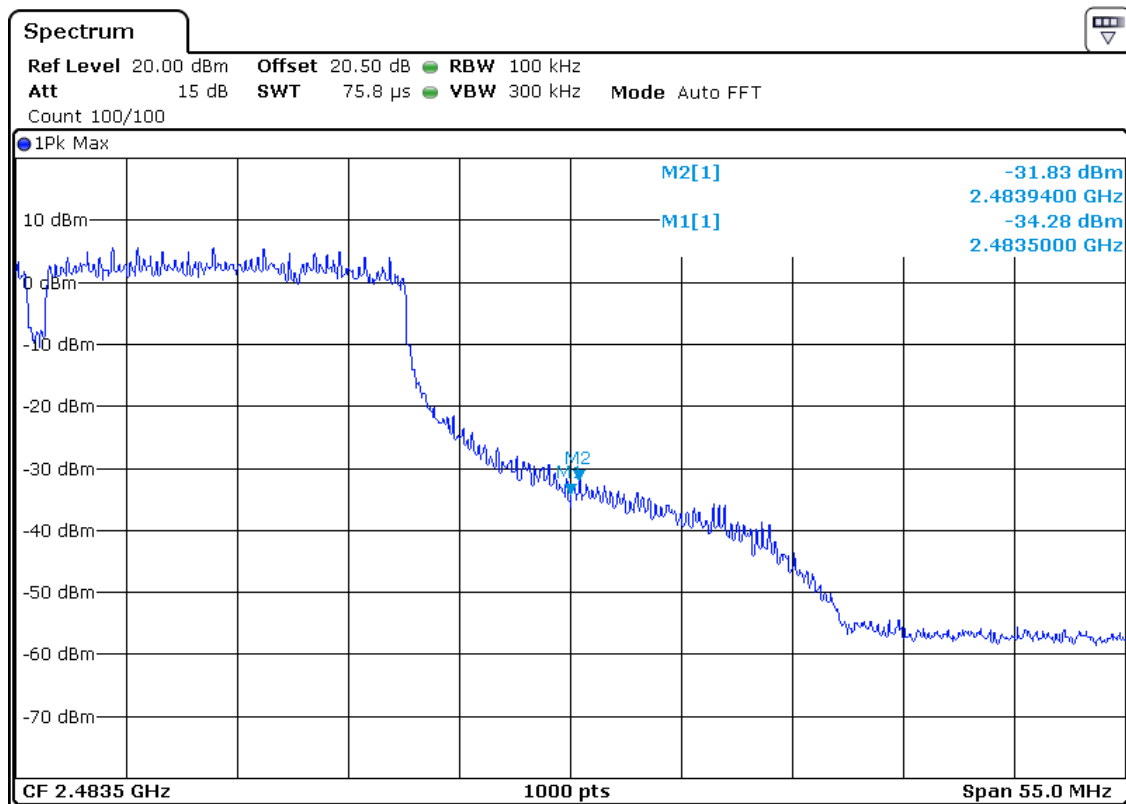
Channel frequency: 2457 MHz

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Data Rate: MCS4

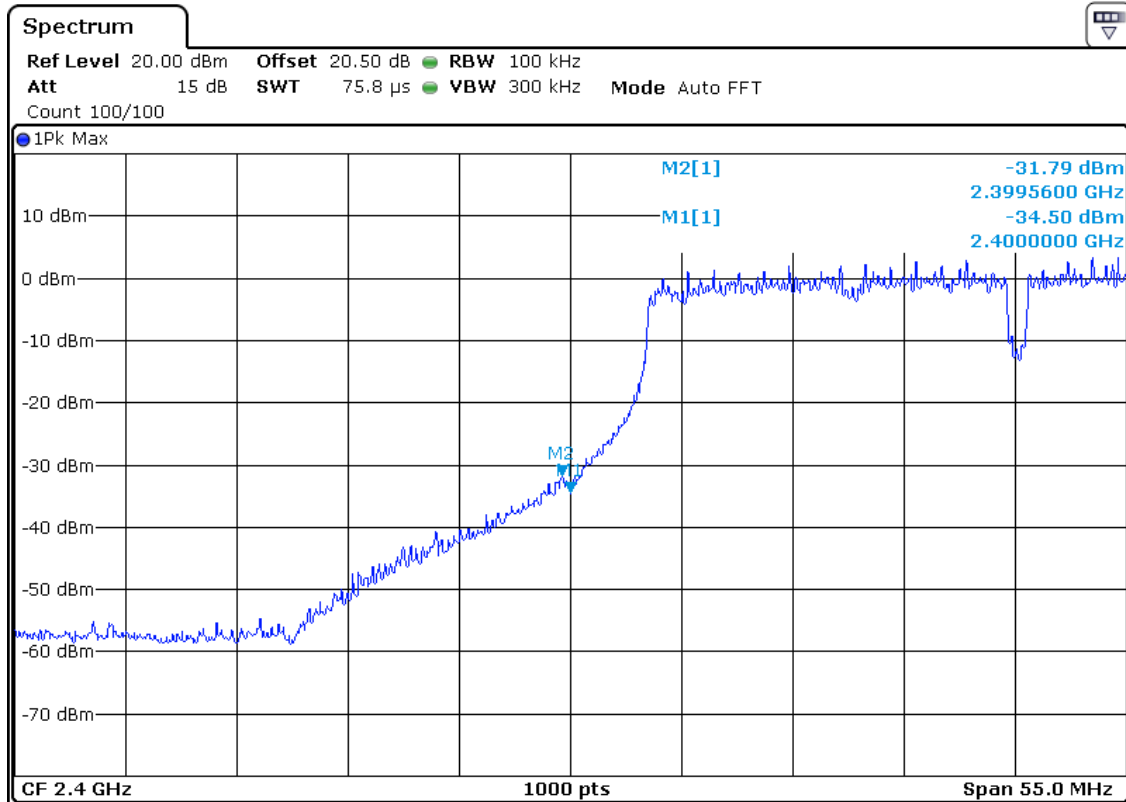
Channel frequency: 2422 MHz



Data Rate: MCS4

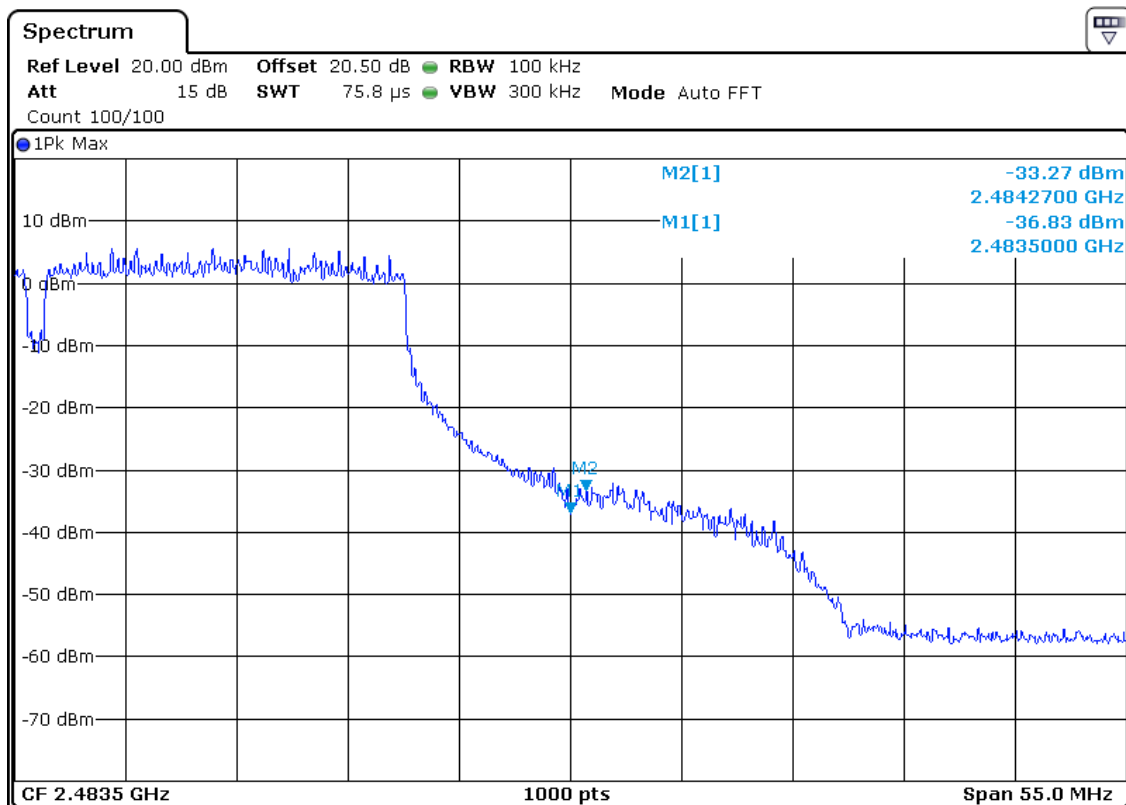
Channel frequency: 2457 MHz

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Data Rate: MCS7

Channel frequency: 2422 MHz



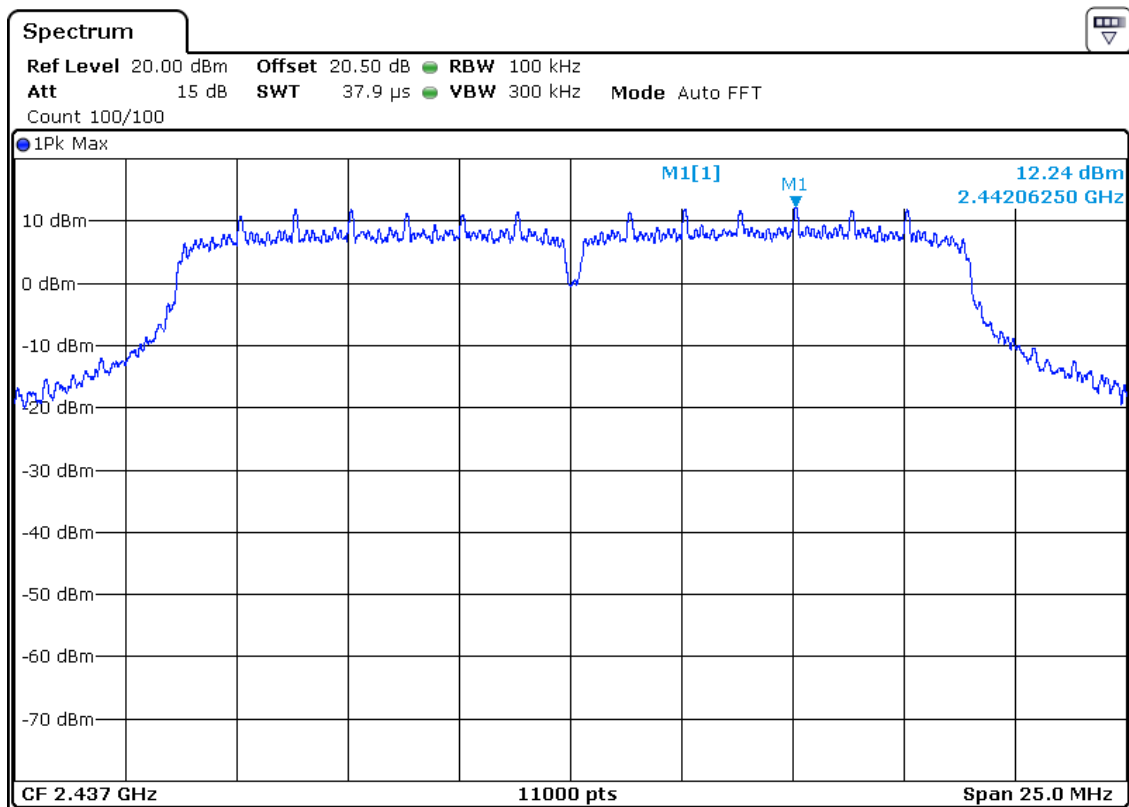
Data Rate: MCS7

Channel frequency: 2457 MHz

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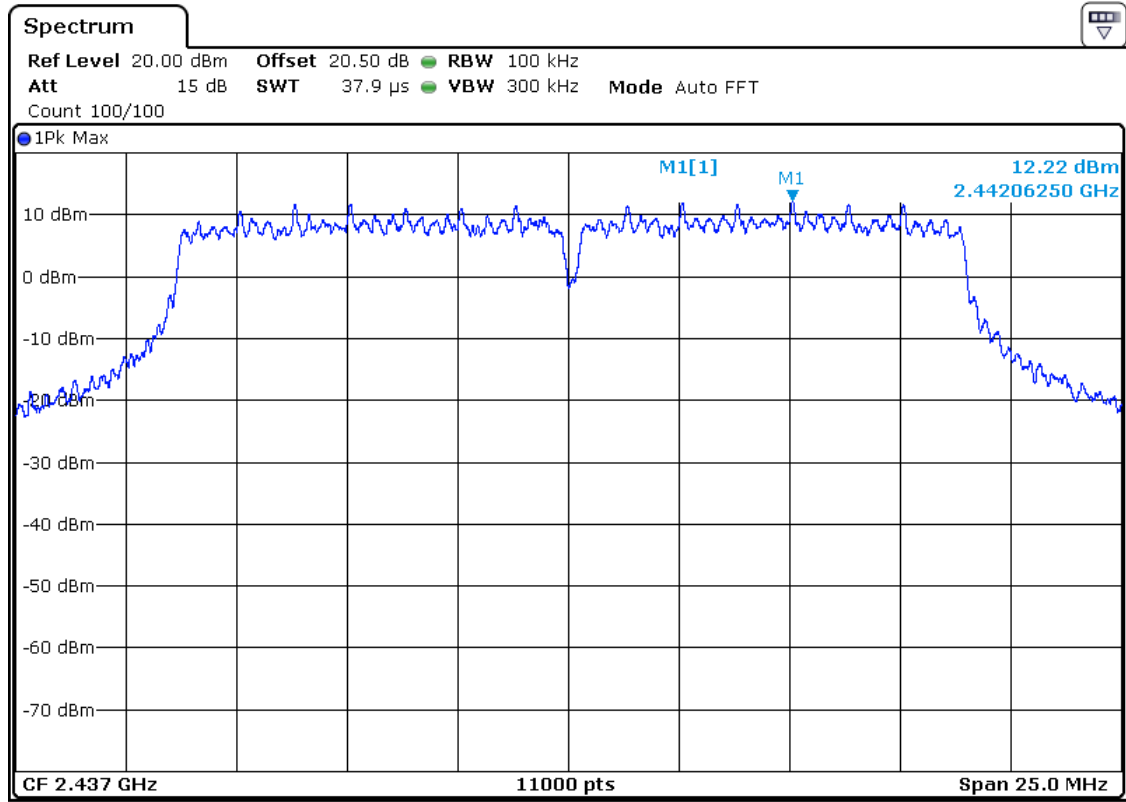
Test Results for Path C

IEEE802.11nHT20						
Data Rate (Mbps)	Channel Frequency (MHz)	Value at Band Edge		Reference Value B (dBm)	Band Edge Value A~B (dBc)	Limit (dBc)
		Frequency (MHz)	Value A (dBm)			
MCS0	2412	2400	-27.15	12.24	39.39	30
	2462	2483.5	-43.96	12.24	56.2	30
MCS4	2412	2400	-31.09	12.22	43.31	30
	2462	2483.5	-43.60	12.22	55.82	30
MCS7	2412	2400	-30.09	12.19	42.28	30
	2462	2483.5	-43.96	12.19	56.15	30

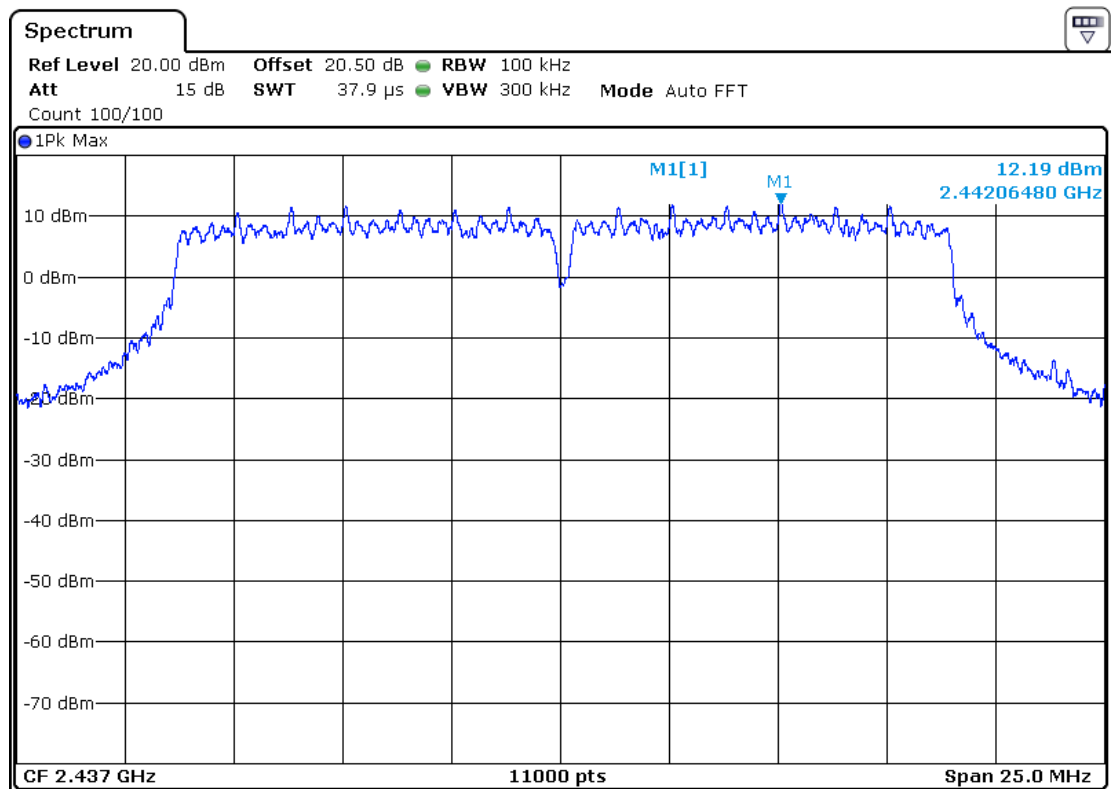


Reference Level Plot: MCS0

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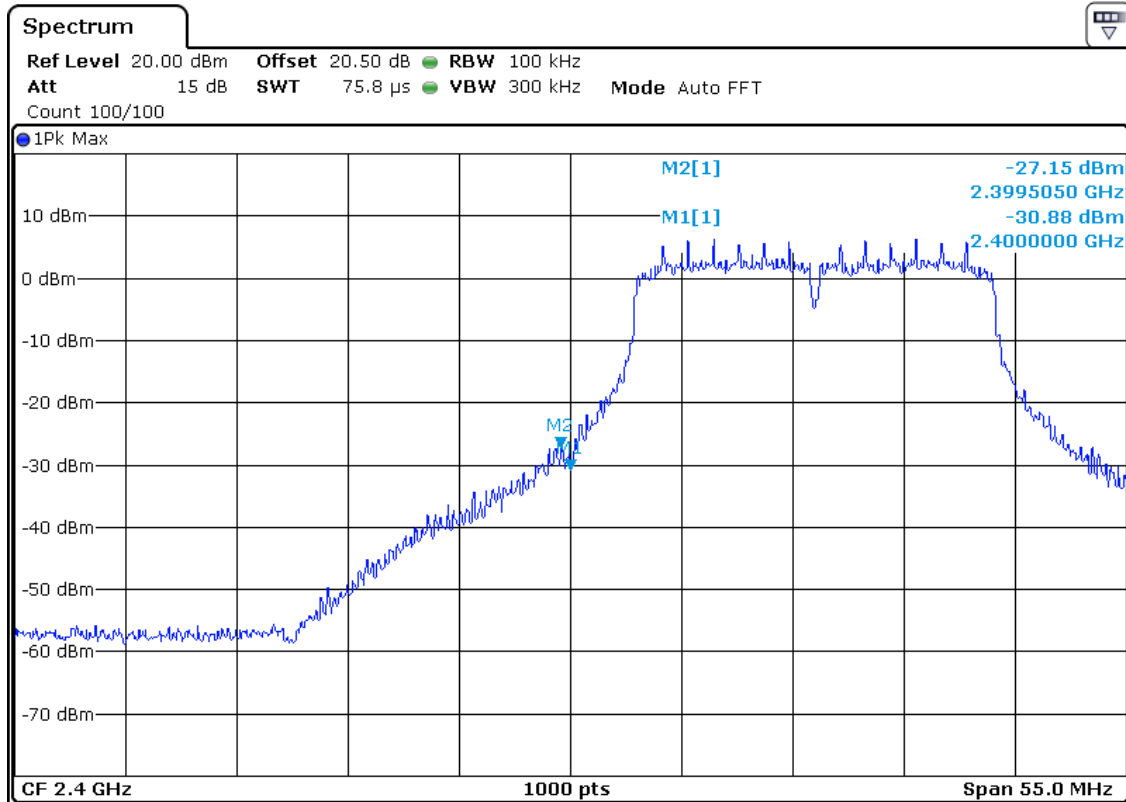


Reference Level Plot: MCS4



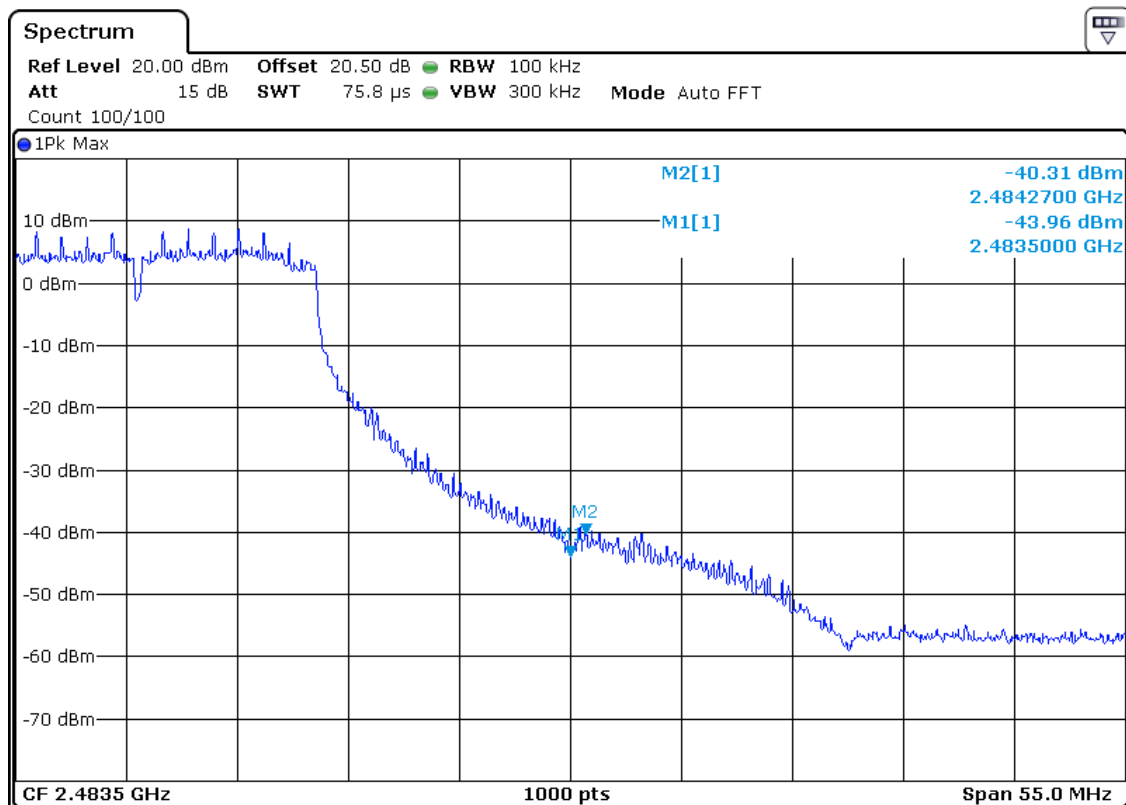
Reference Level Plot: MCS7

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Data Rate: MCS0

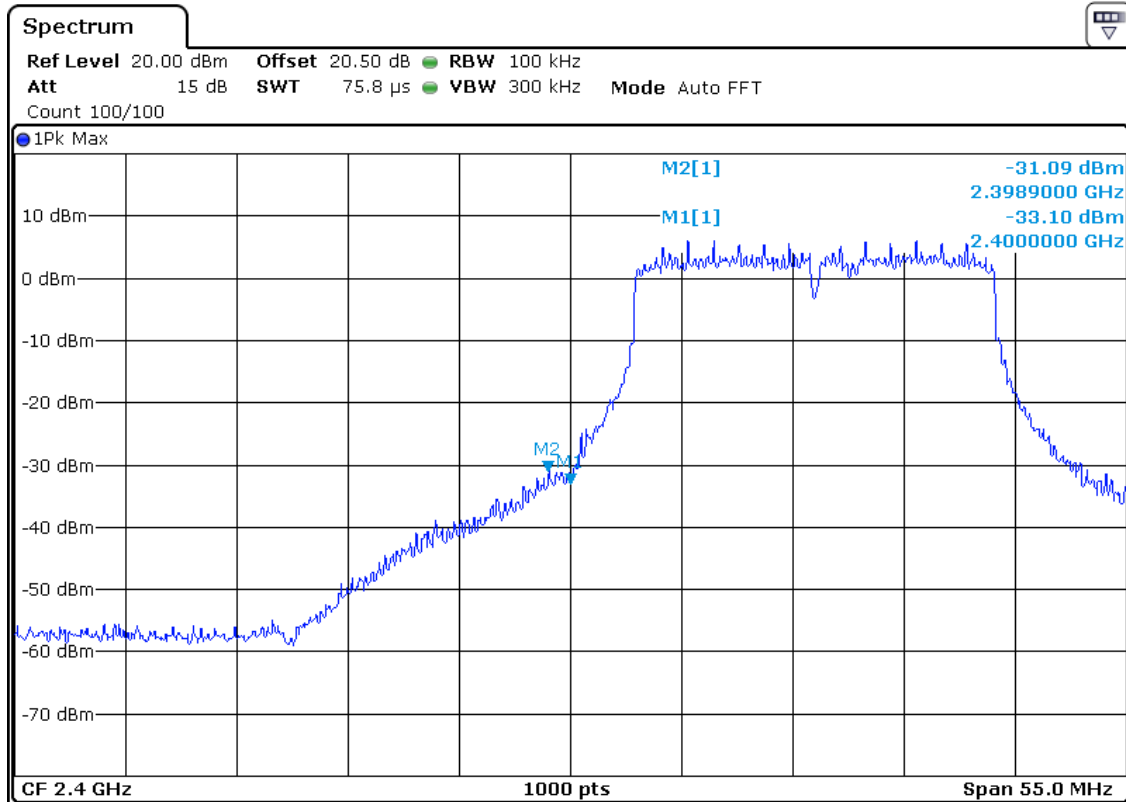
Channel frequency: 2412 MHz



Data Rate: MCS0

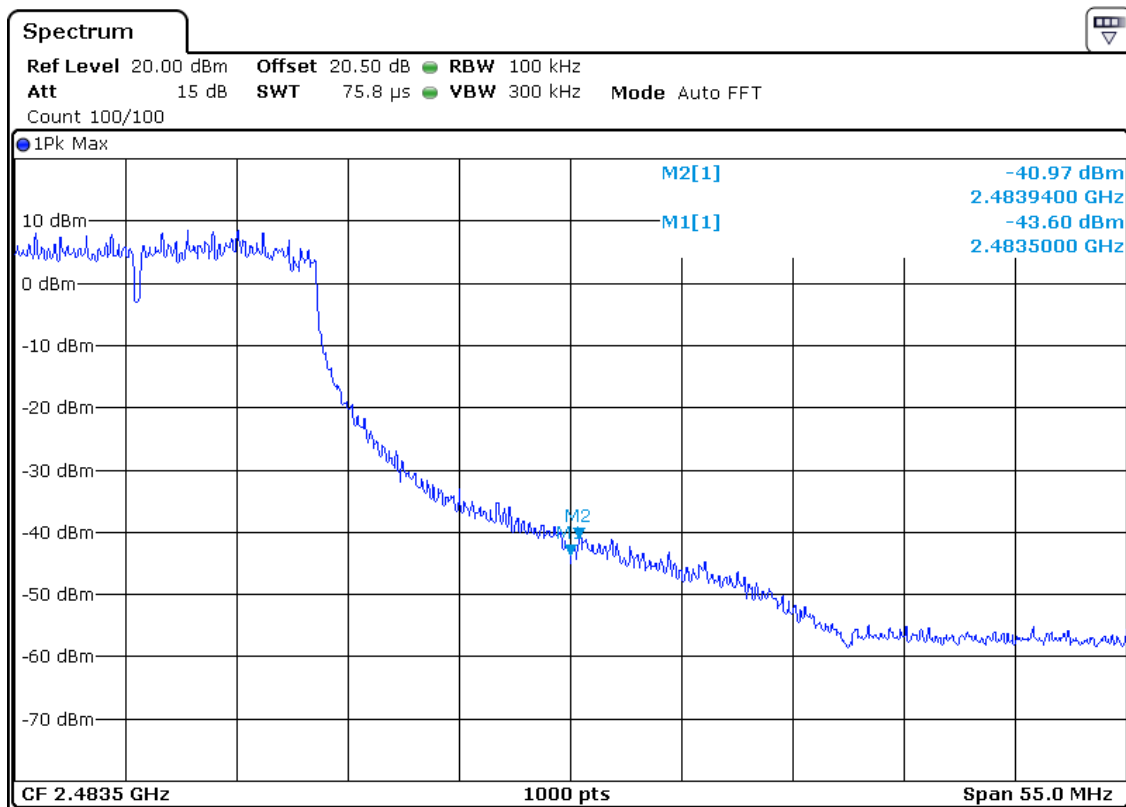
Channel frequency: 2462 MHz

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Data Rate: MCS4

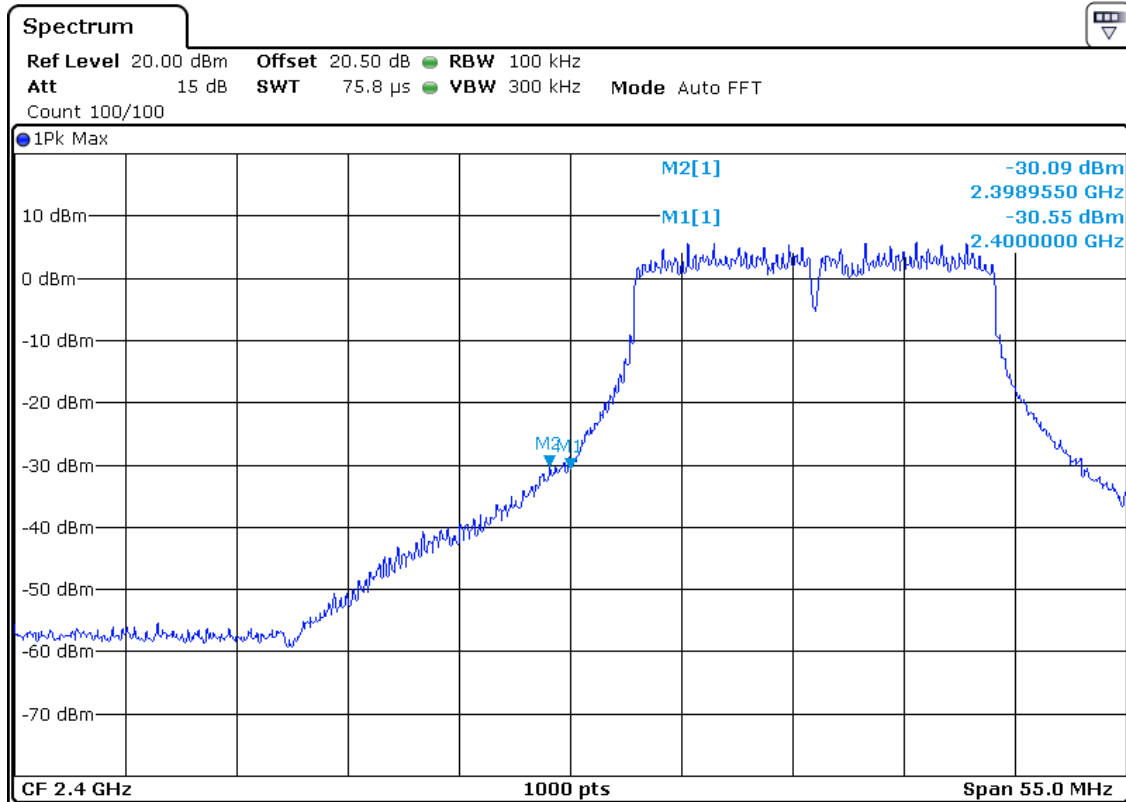
Channel frequency: 2412 MHz



Data Rate: MCS4

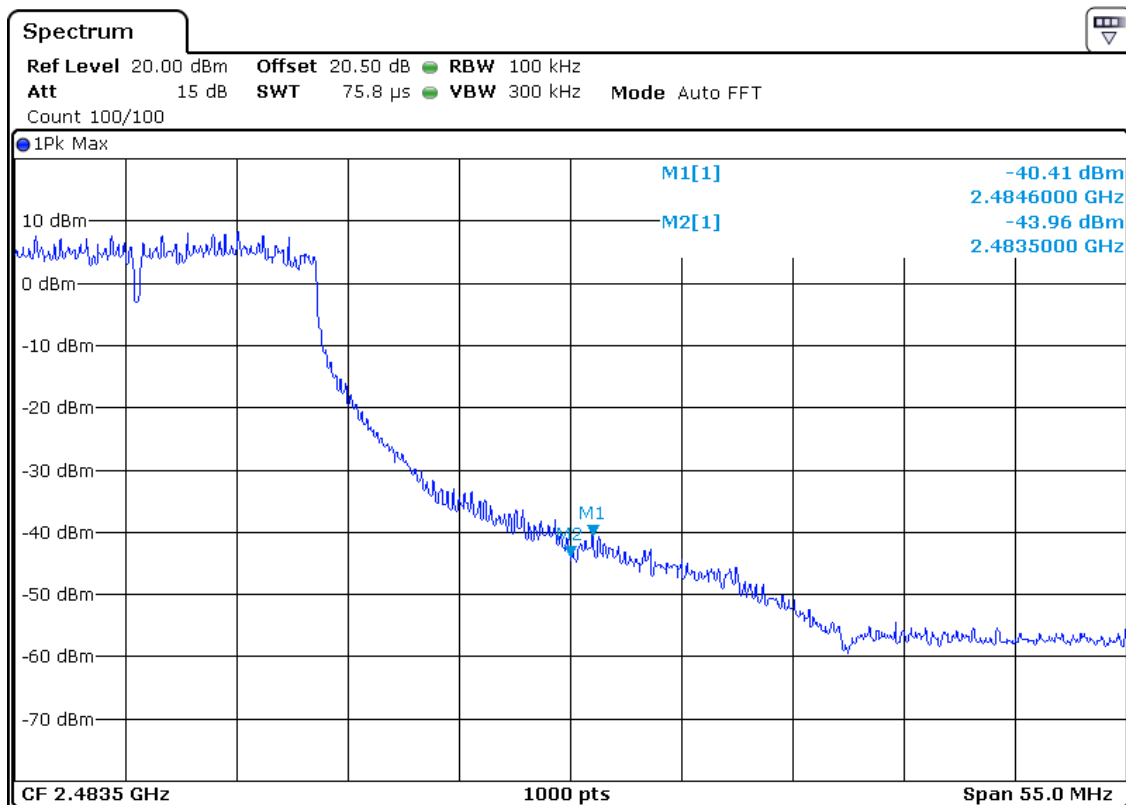
Channel frequency: 2462 MHz

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Data Rate: MCS7

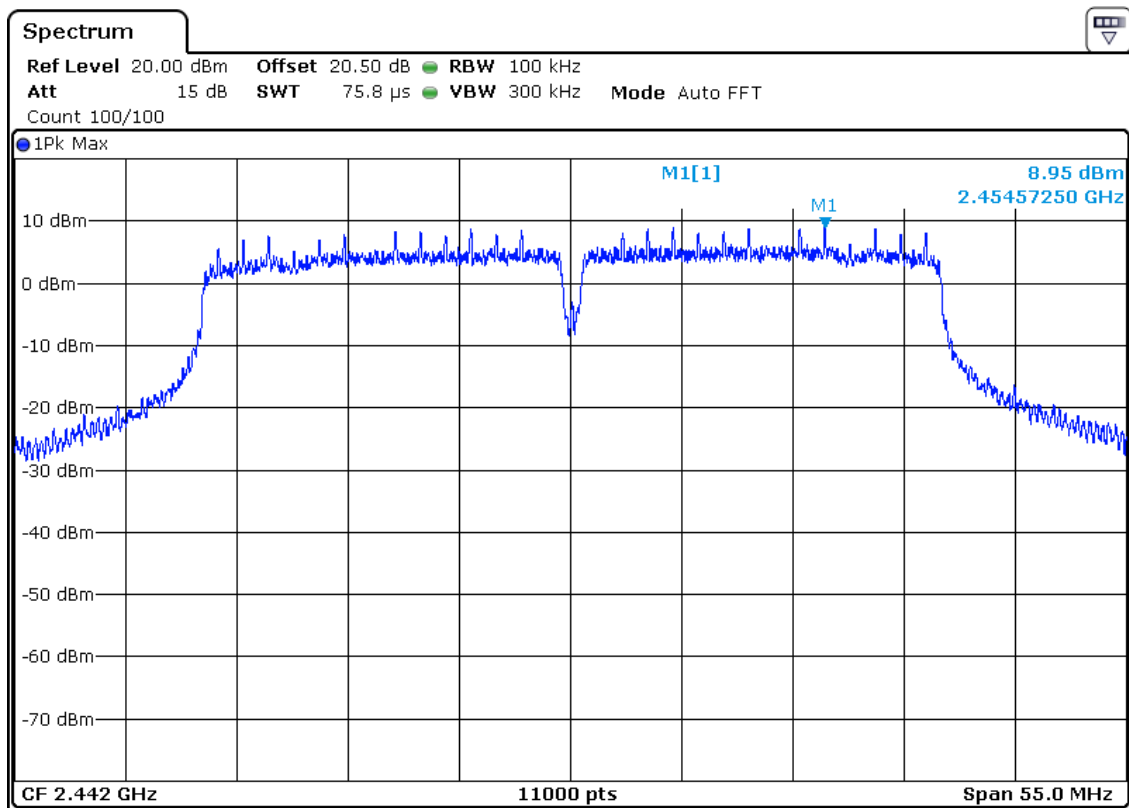
Channel frequency: 2412 MHz



Data Rate: MCS7

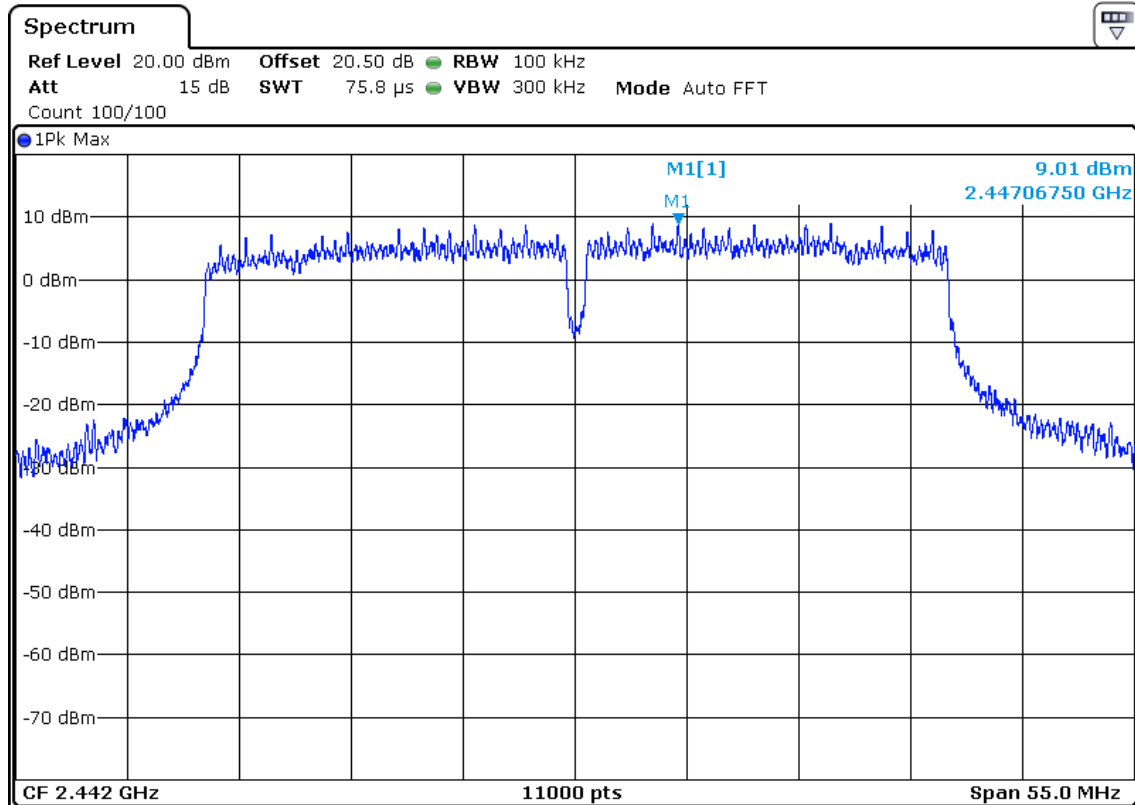
Channel frequency: 2462 MHz

IEEE802.11nHT40						
Data Rate (Mbps)	Channel Frequency (MHz)	Value at Band Edge		Reference Value B (dBm)	Band Edge Value A~B (dBc)	Limit (dBc)
		Frequency (MHz)	Value A (dBm)			
MCS0	2422	2400	-29.14	8.95	38.09	30
	2457	2483.5	-36.37	8.95	45.32	30
MCS4	2422	2400	-31.89	9.01	40.9	30
	2457	2483.5	-38.96	9.01	47.97	30
MCS7	2422	2400	-31.32	9.11	40.43	30
	2457	2483.5	-37.48	9.11	46.59	30

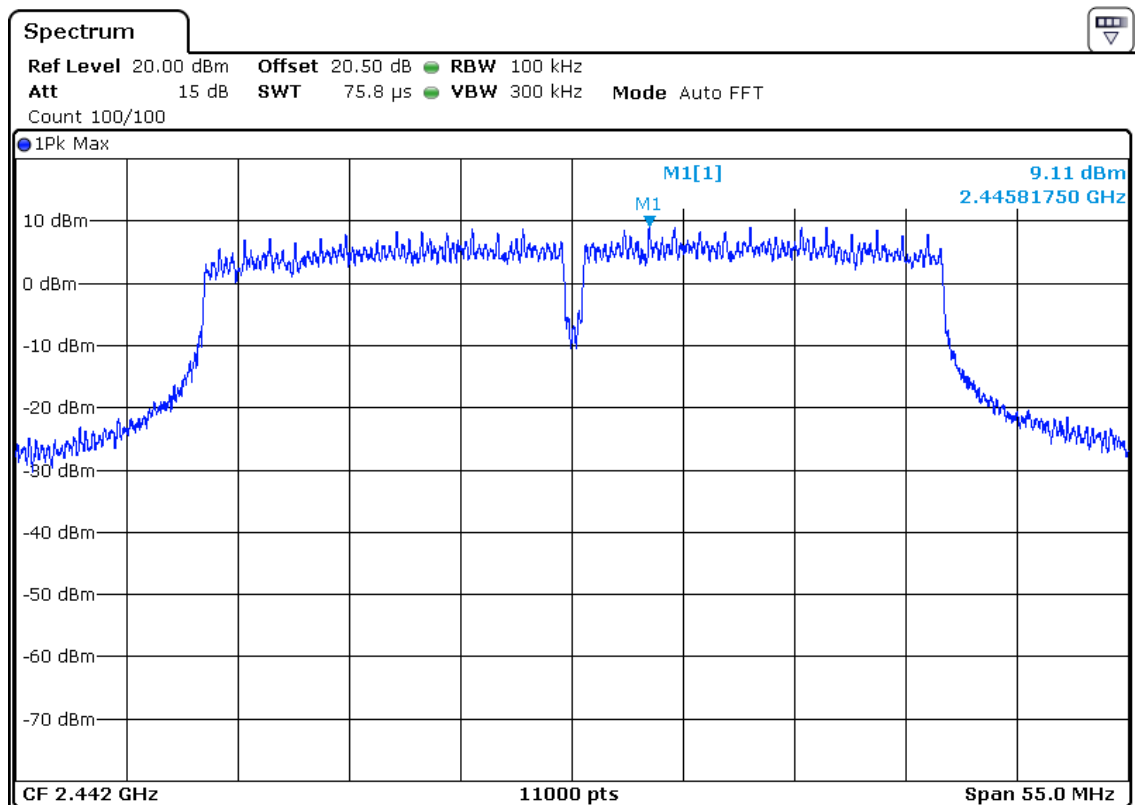


Reference Level Plot: MCS0

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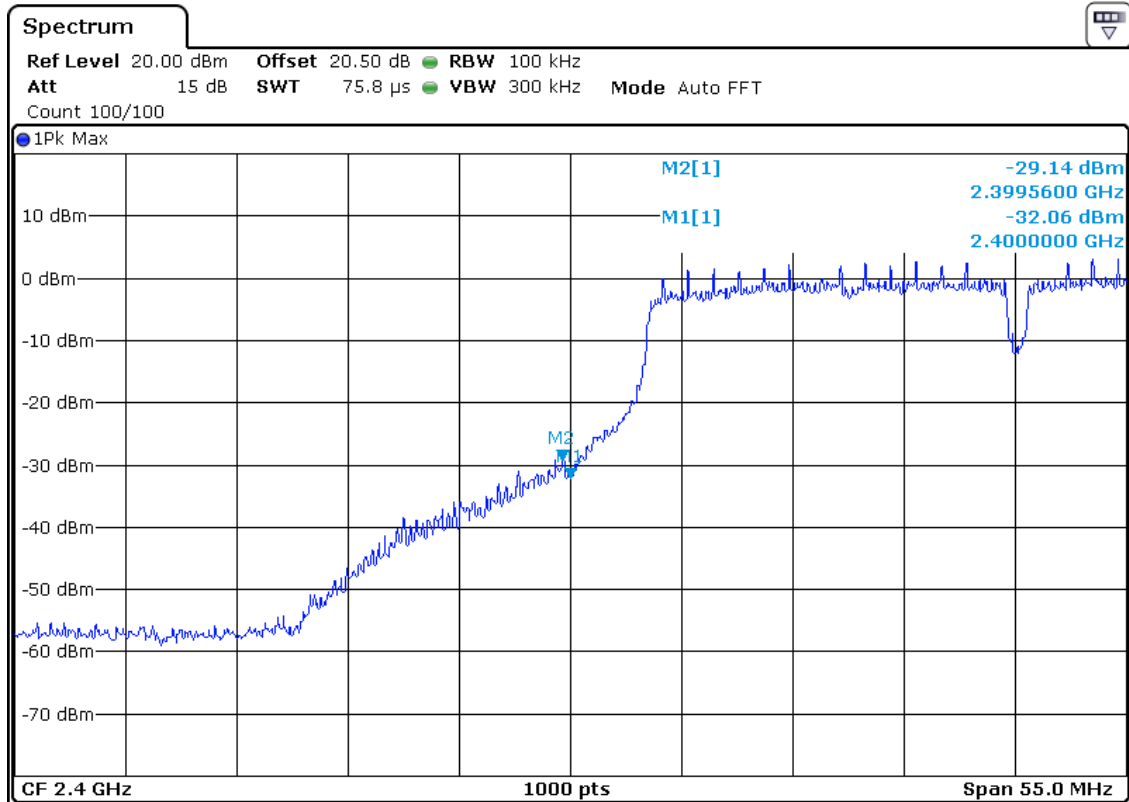


Reference Level Plot: MCS4



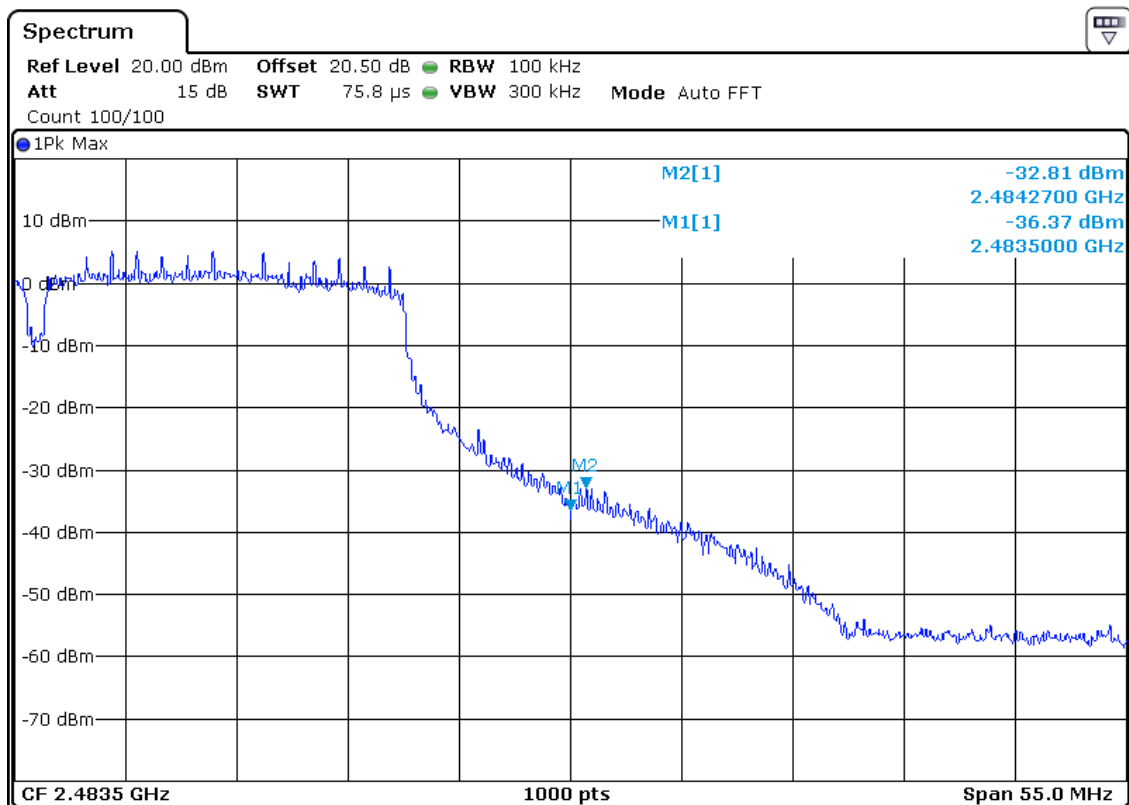
Reference Level Plot: MCS7

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Data Rate: MCS0

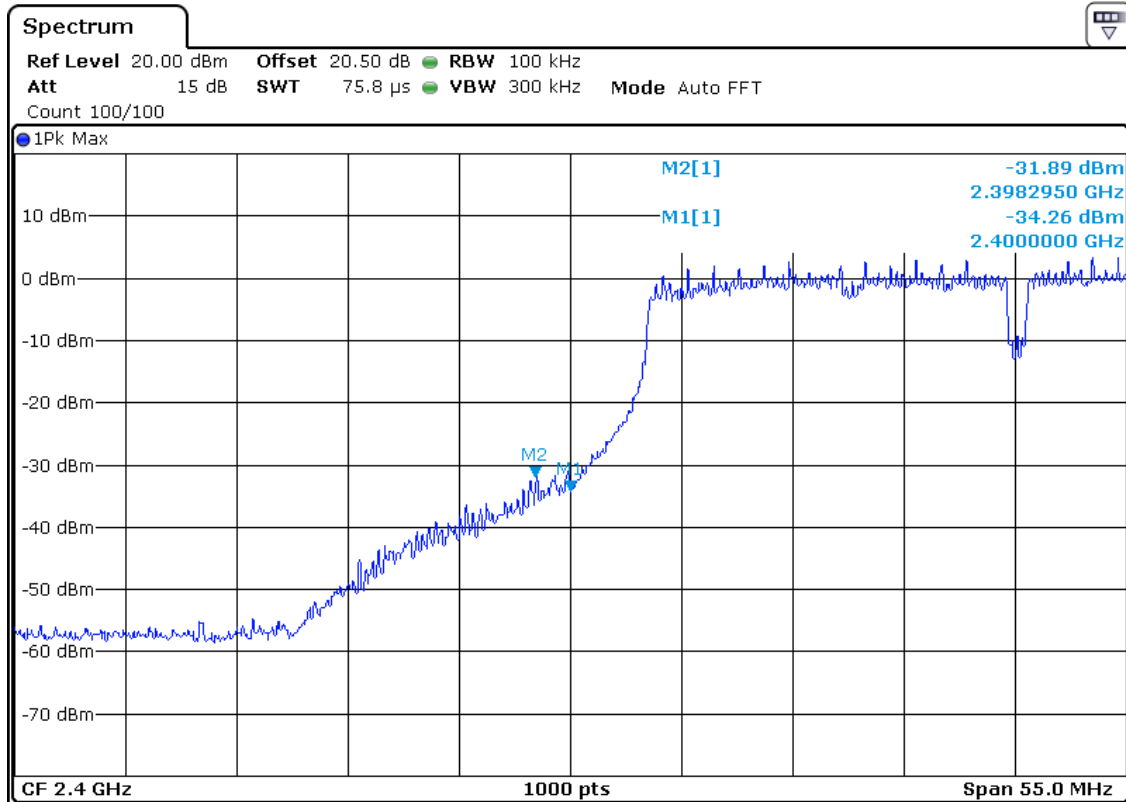
Channel frequency: 2422 MHz



Data Rate: MCS0

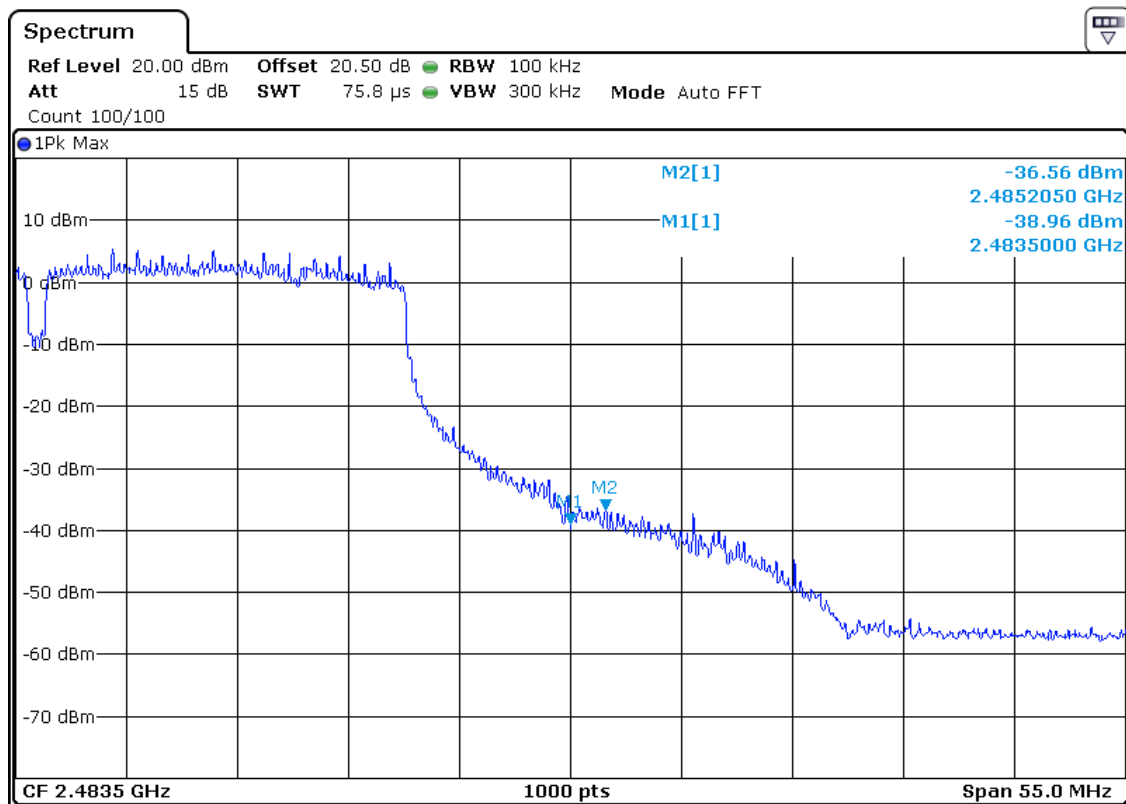
Channel frequency: 2457 MHz

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Data Rate: MCS4

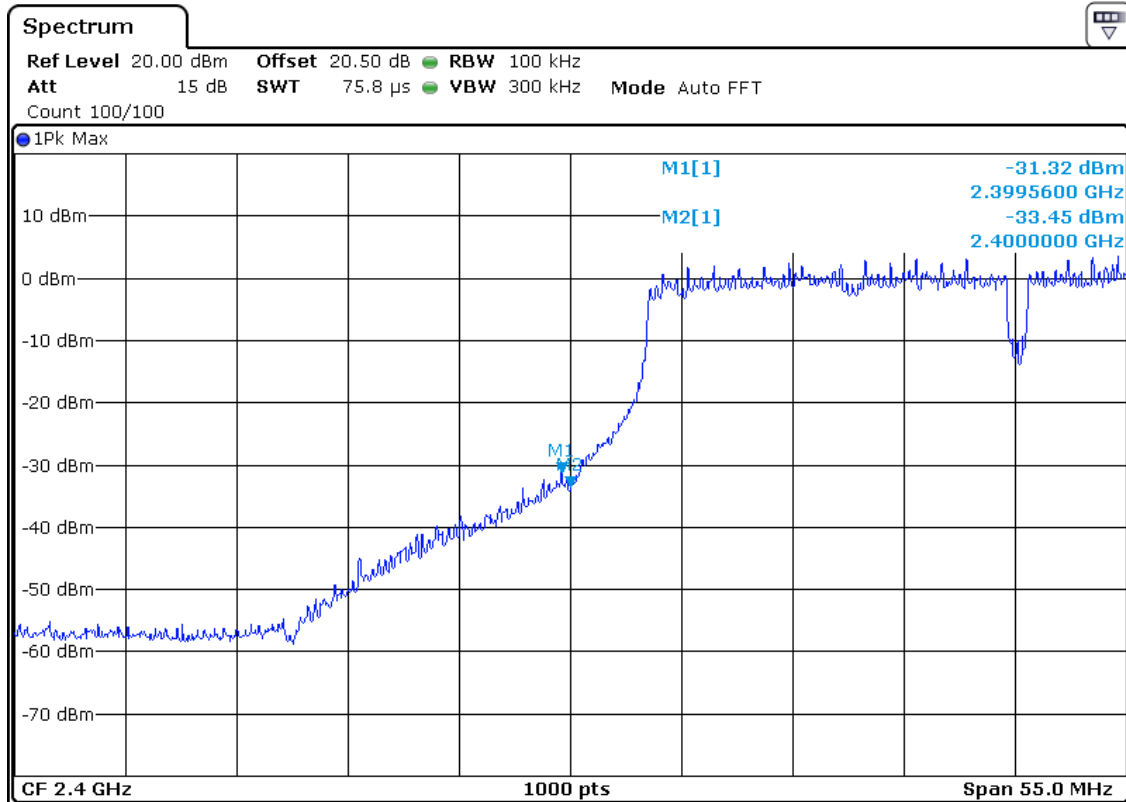
Channel frequency: 2422 MHz



Data Rate: MCS4

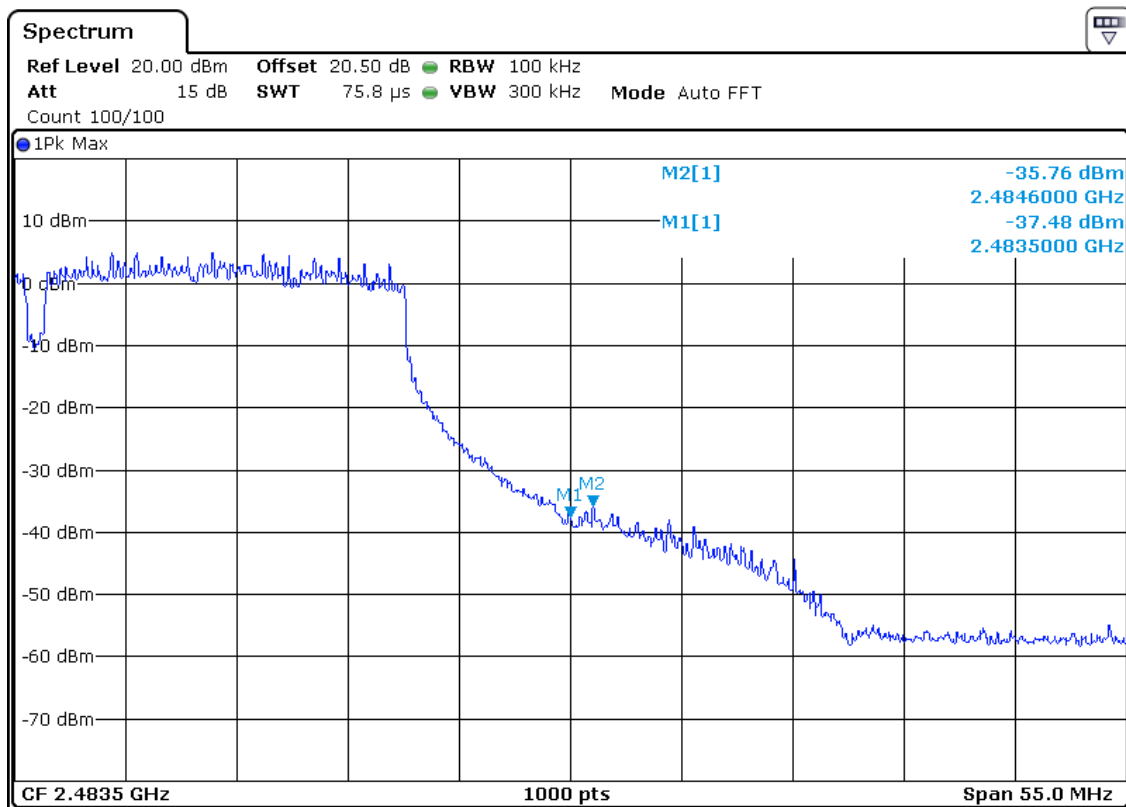
Channel frequency: 2457 MHz

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Data Rate: MCS7

Channel frequency: 2422 MHz



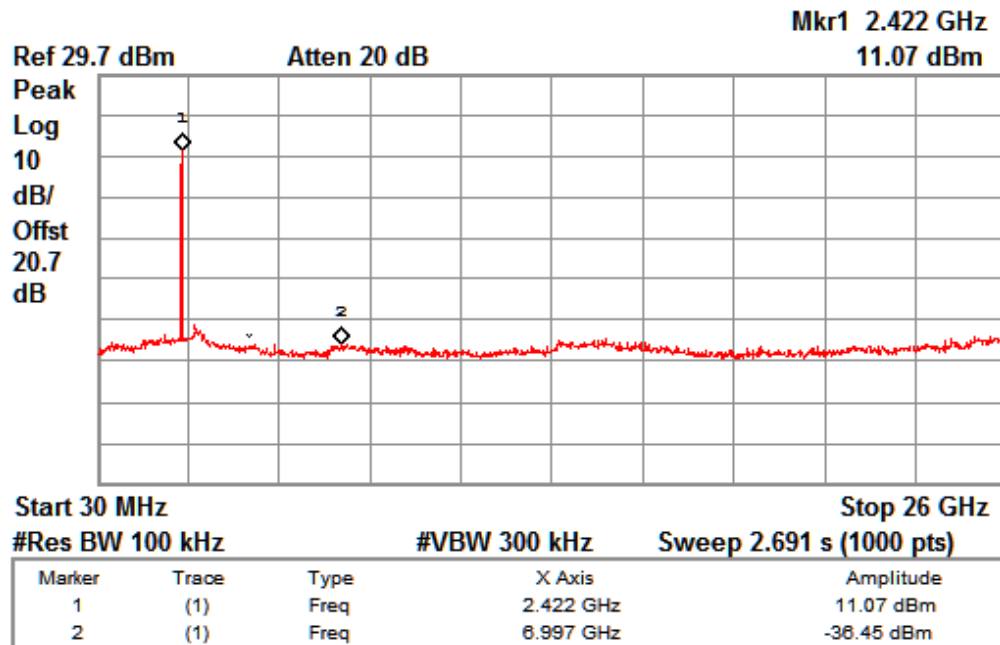
Data Rate: MCS7

Channel frequency: 2457 MHz

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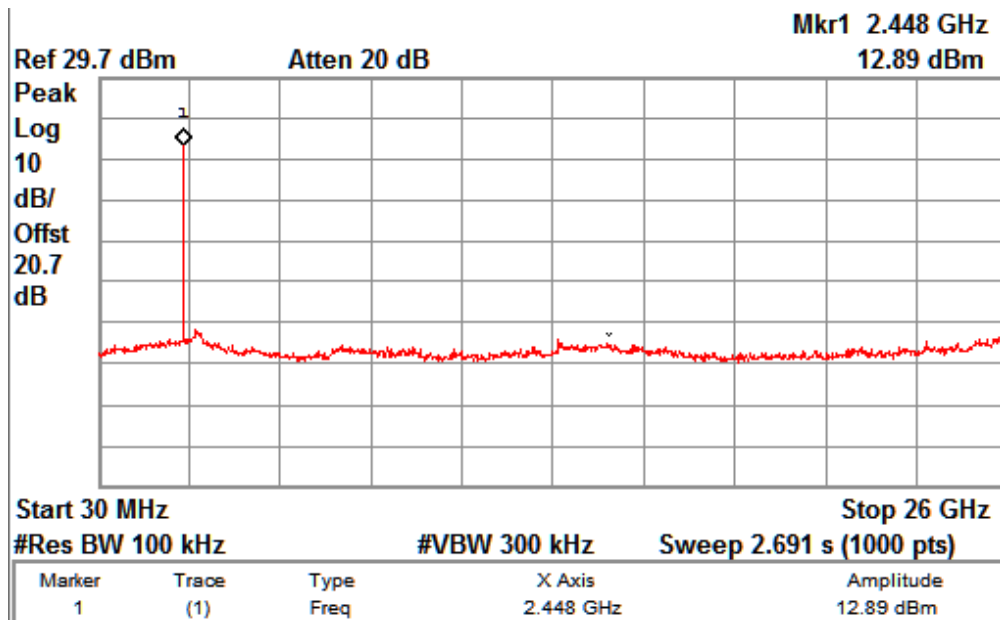
Conducted Spurious Emission

WiFi B Mode



Data Rate: 1Mbps

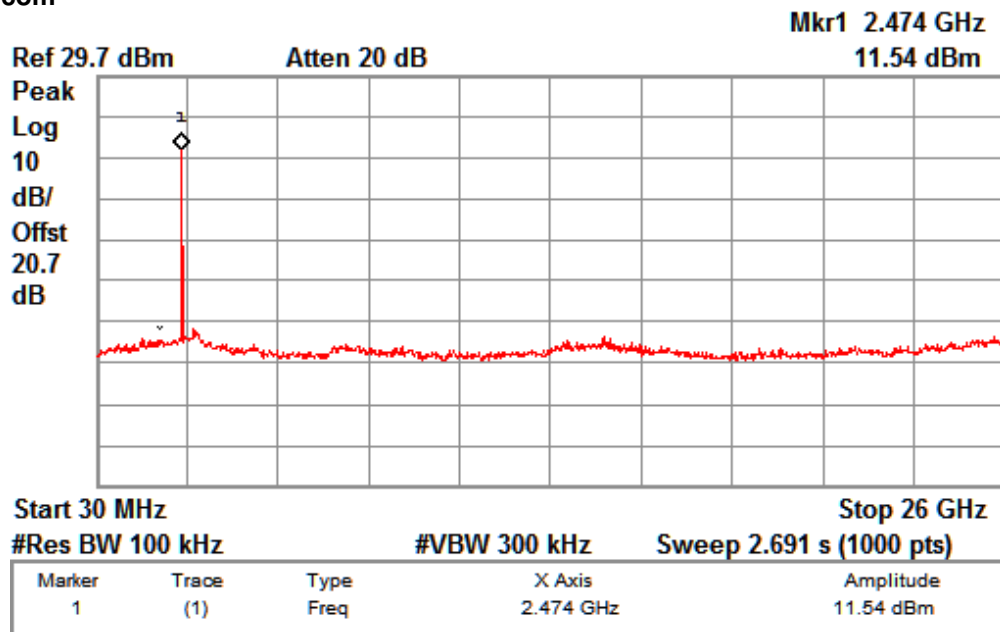
Channel frequency: 2412 MHz



Data Rate: 1Mbps

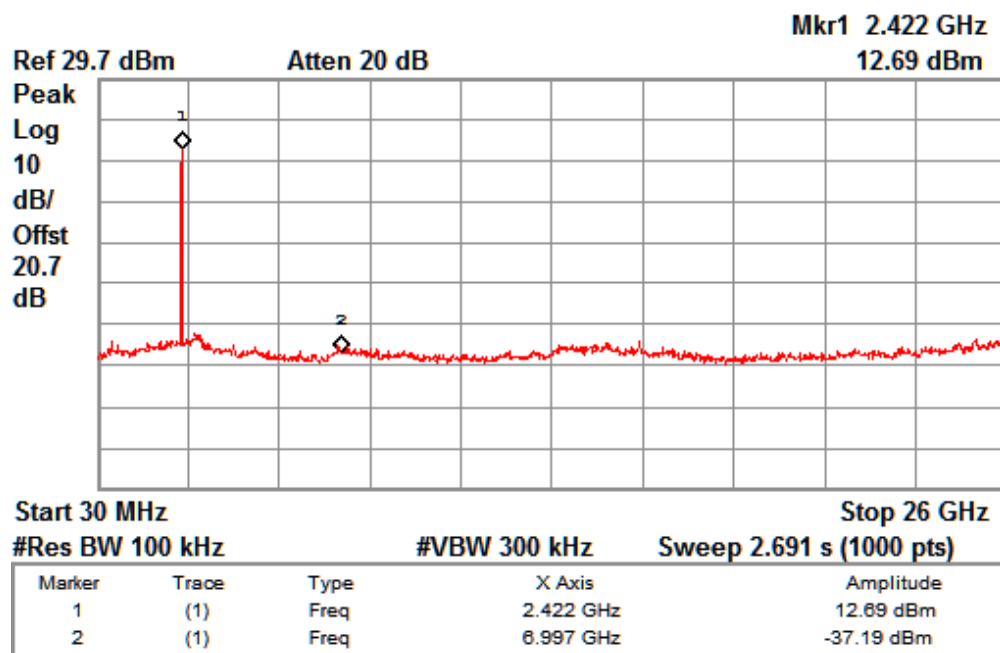
Channel frequency: 2437 MHz

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Data Rate: 1Mbps

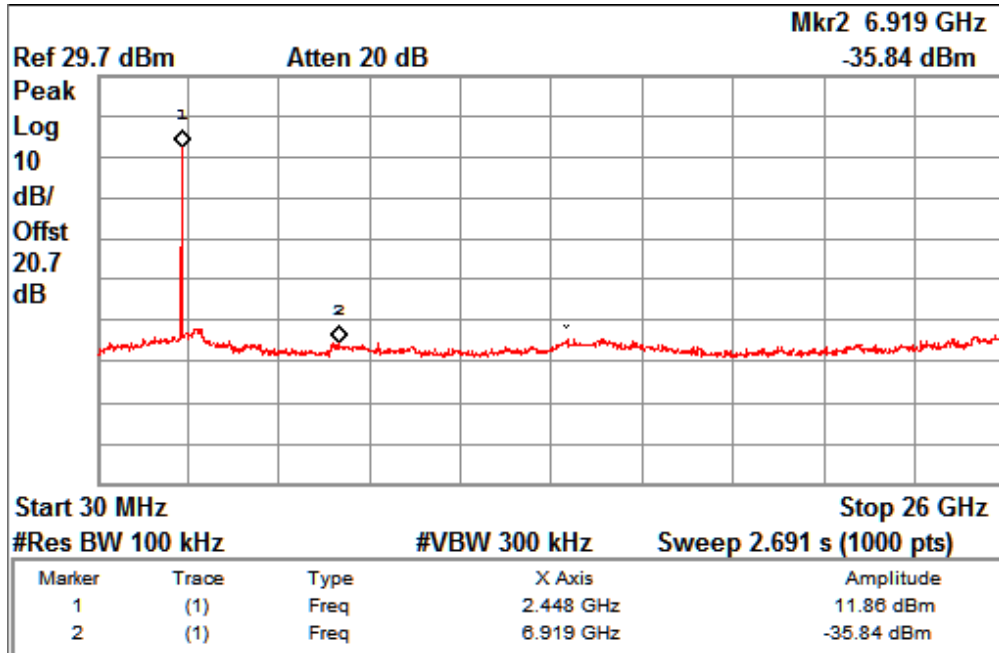
Channel frequency: 2462 MHz



Data Rate: 11Mbps

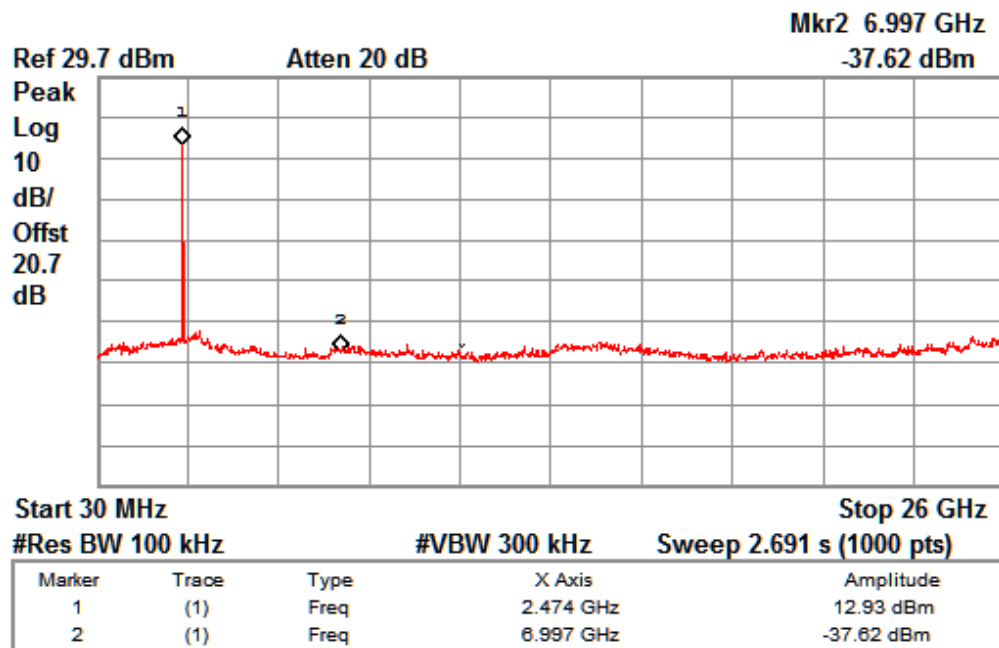
Channel frequency: 2412 MHz

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Data Rate: 11Mbps

Channel frequency: 2437 MHz

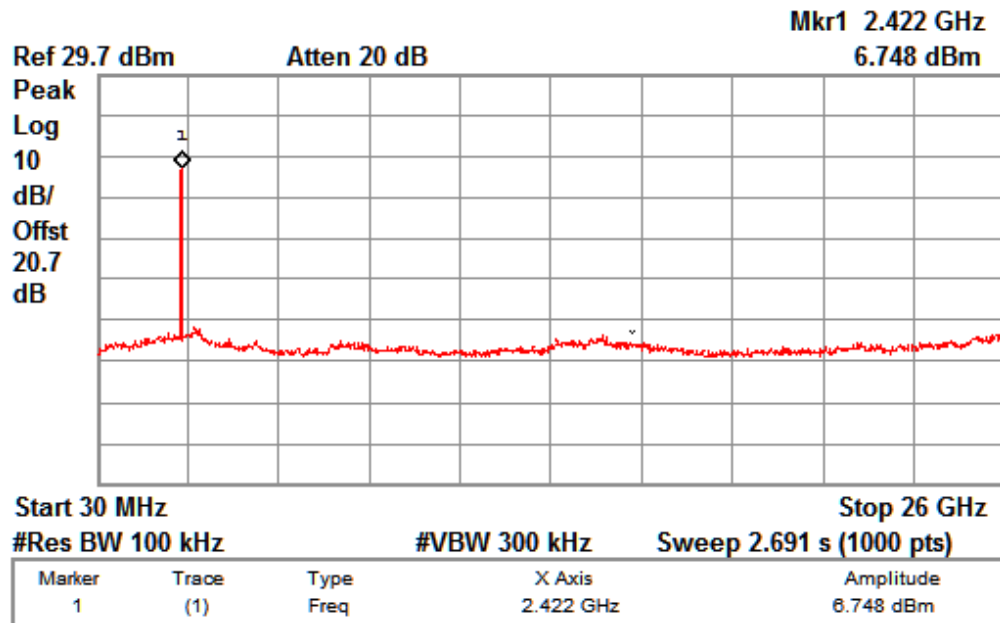


Data Rate: 11Mbps

Channel frequency: 2462 MHz

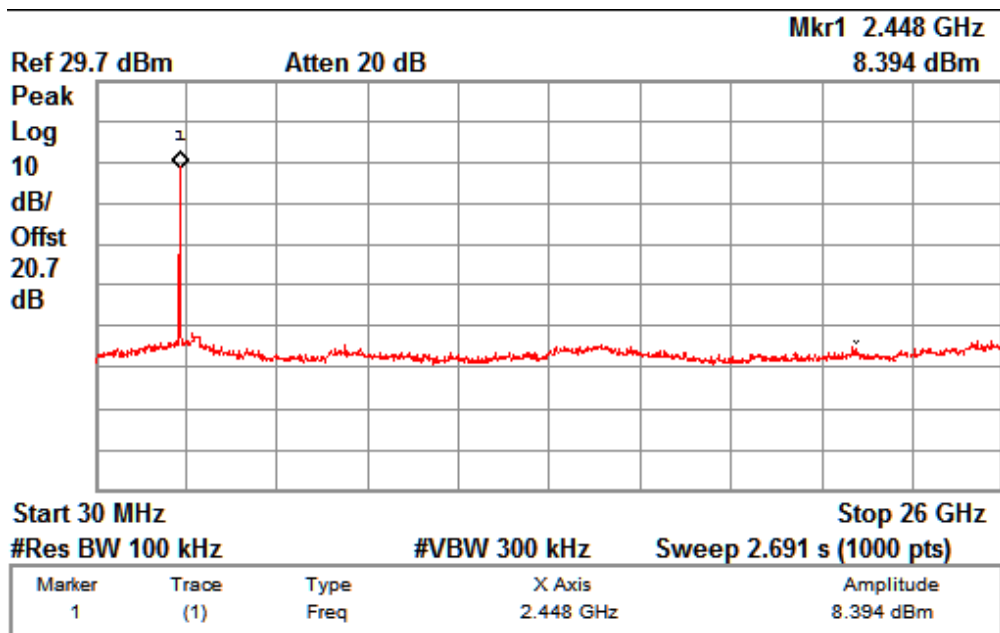
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G Mode



Data Rate: 6Mbps

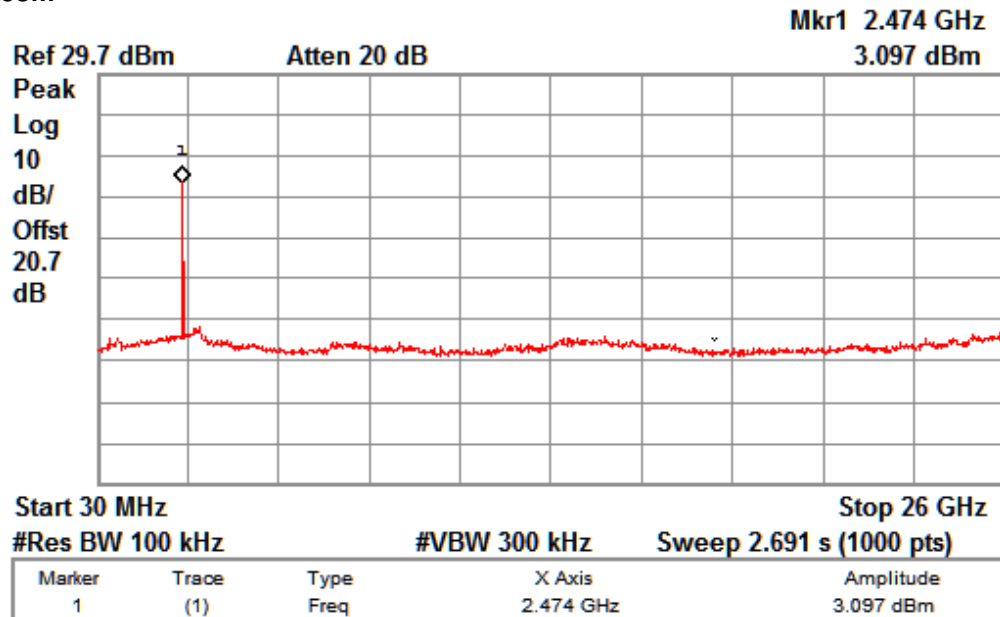
Channel frequency: 2412 MHz



Data Rate: 6Mbps

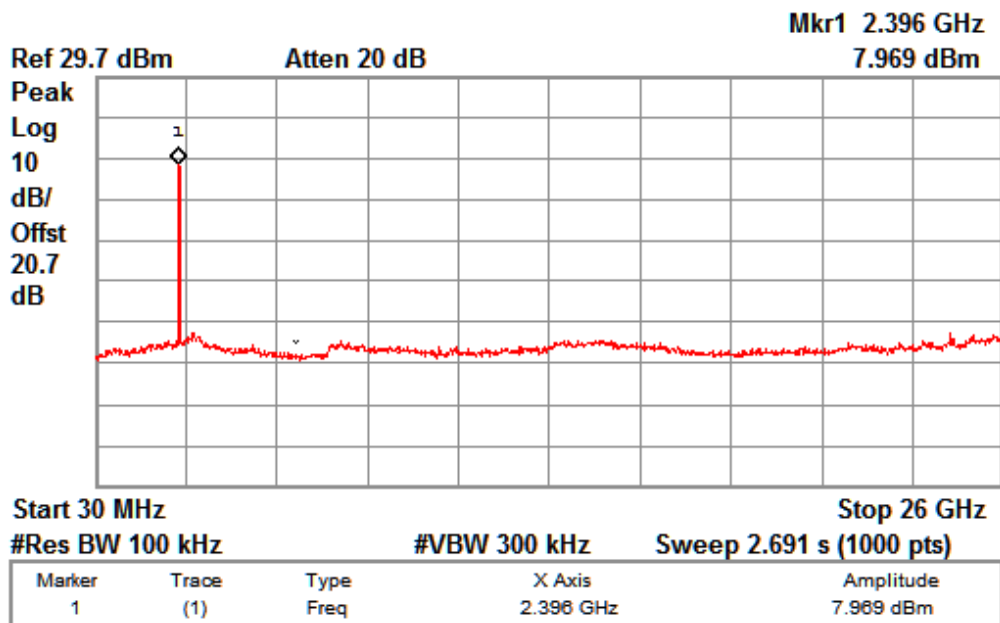
Channel frequency: 2437 MHz

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Data Rate: 6Mbps

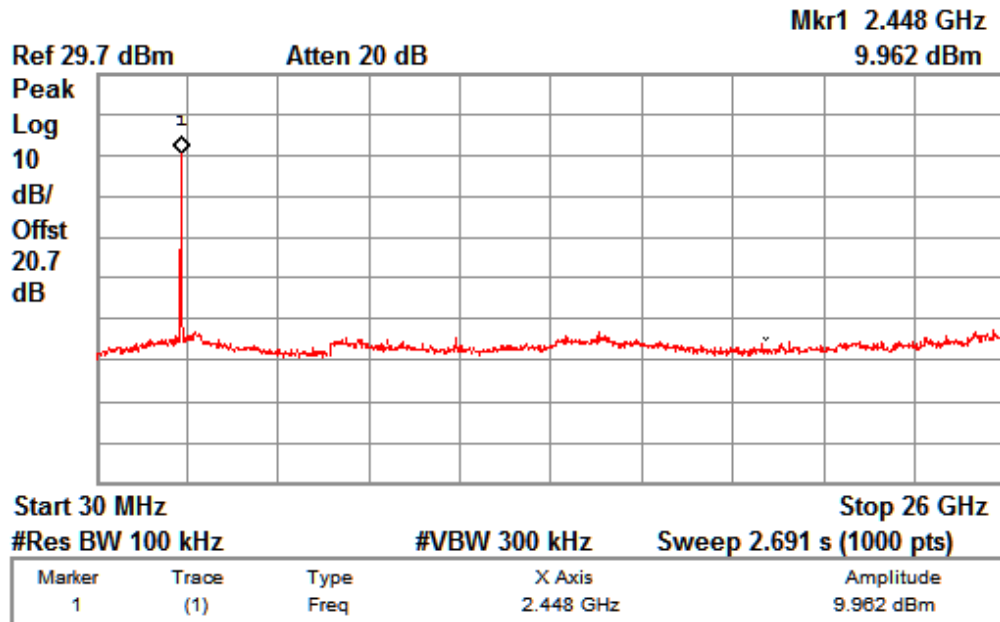
Channel frequency: 2462 MHz



Data Rate: 54Mbps

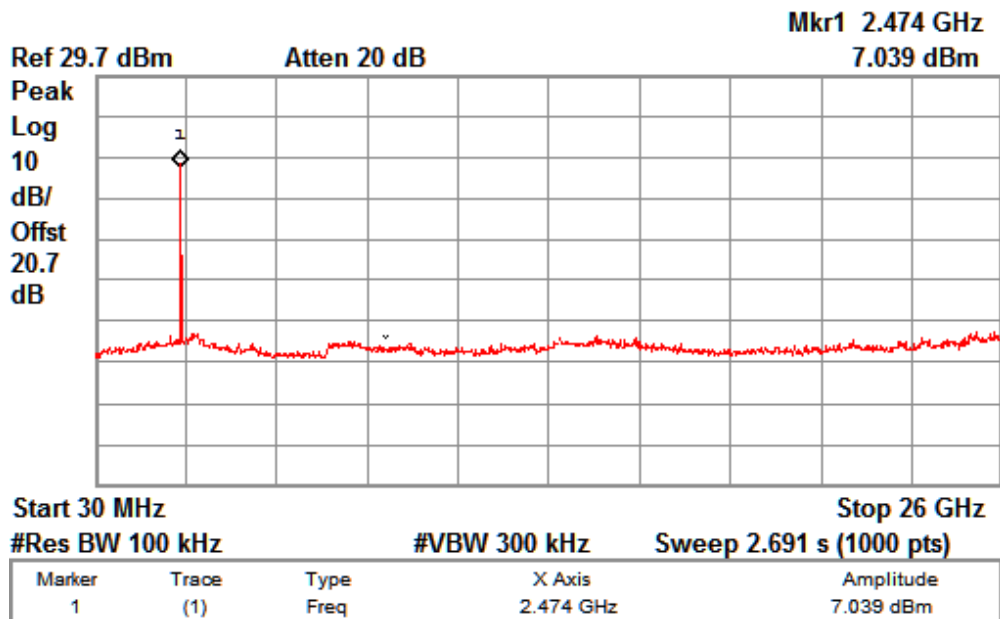
Channel frequency: 2412 MHz

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Data Rate: 54Mbps

Channel frequency: 2437 MHz



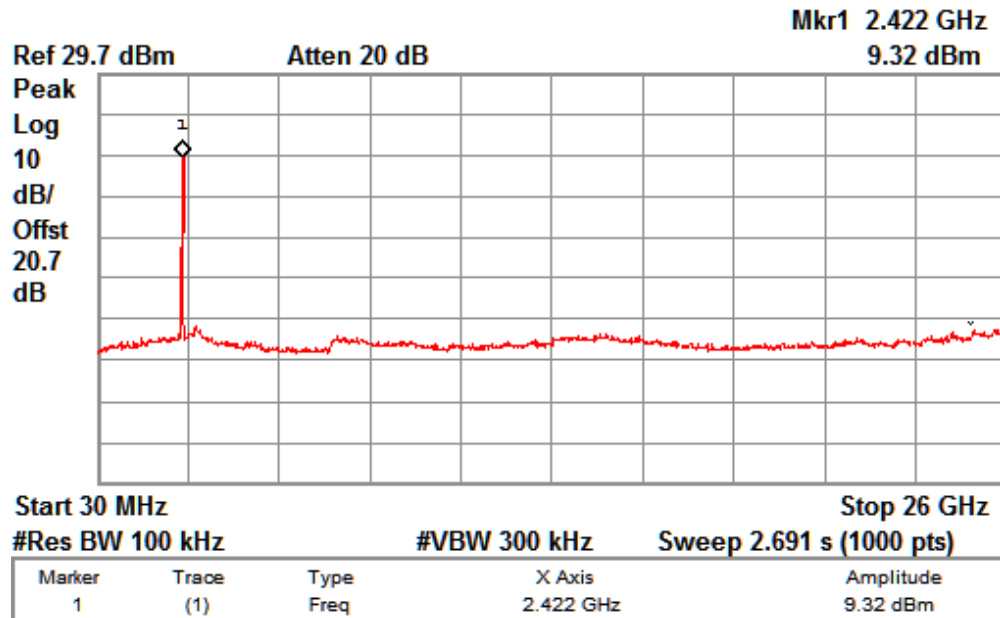
Data Rate: 54Mbps

Channel frequency: 2462 MHz

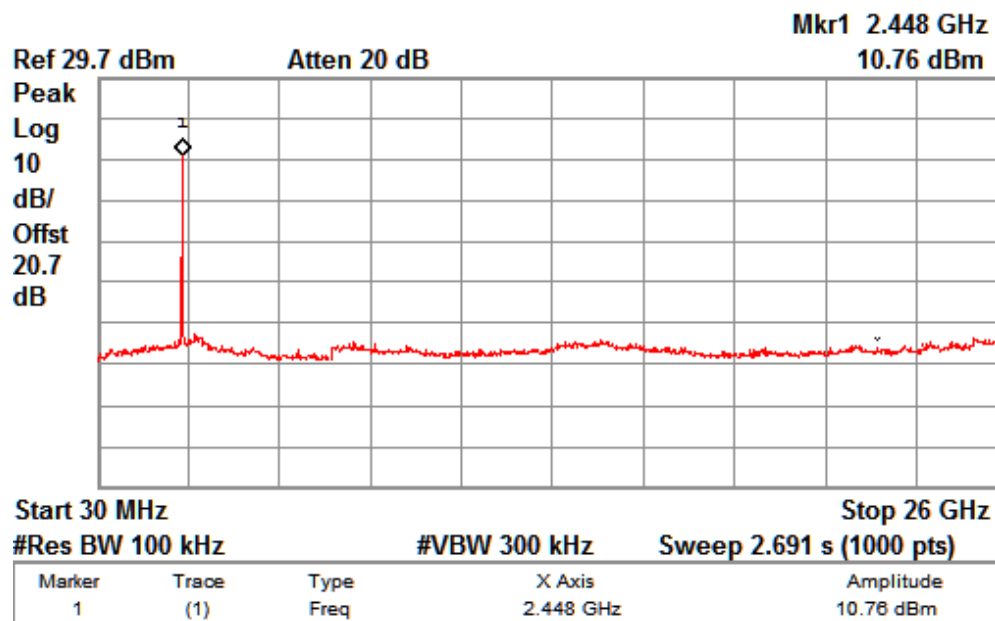
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N Mode HT20

Chain 0

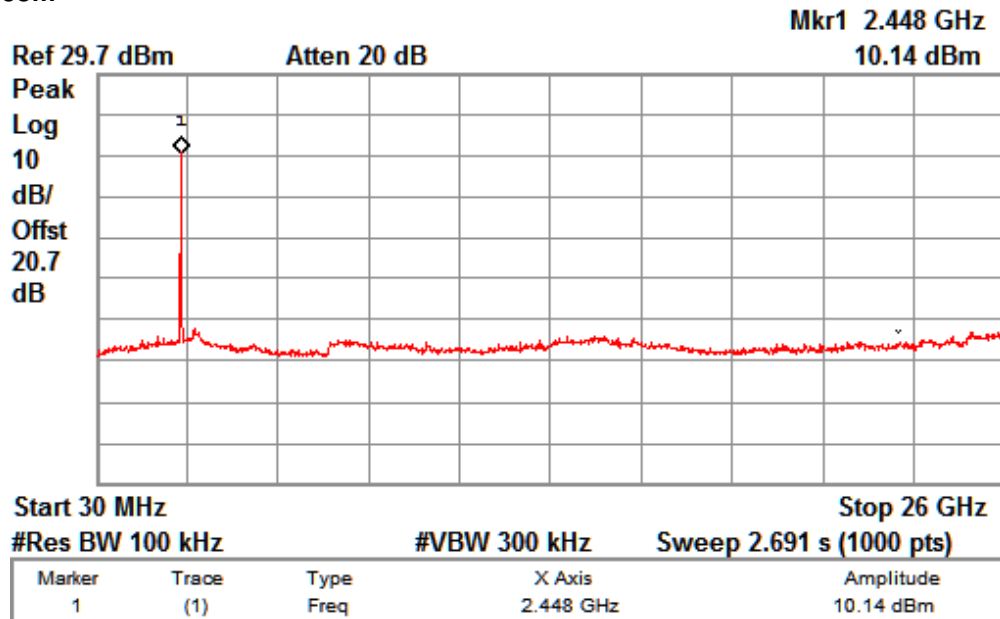


MCS 0



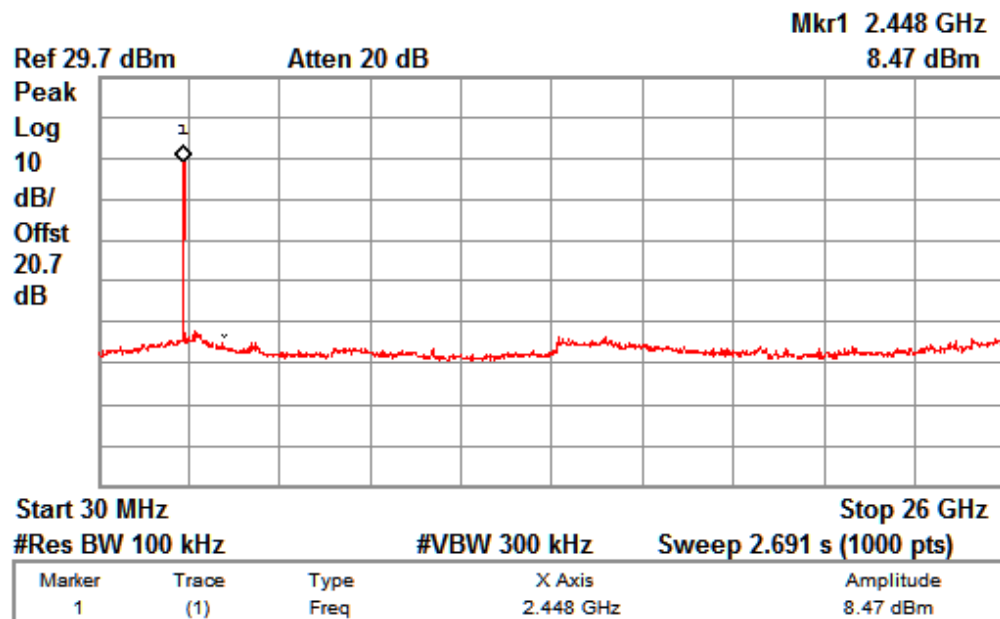
MCS 4

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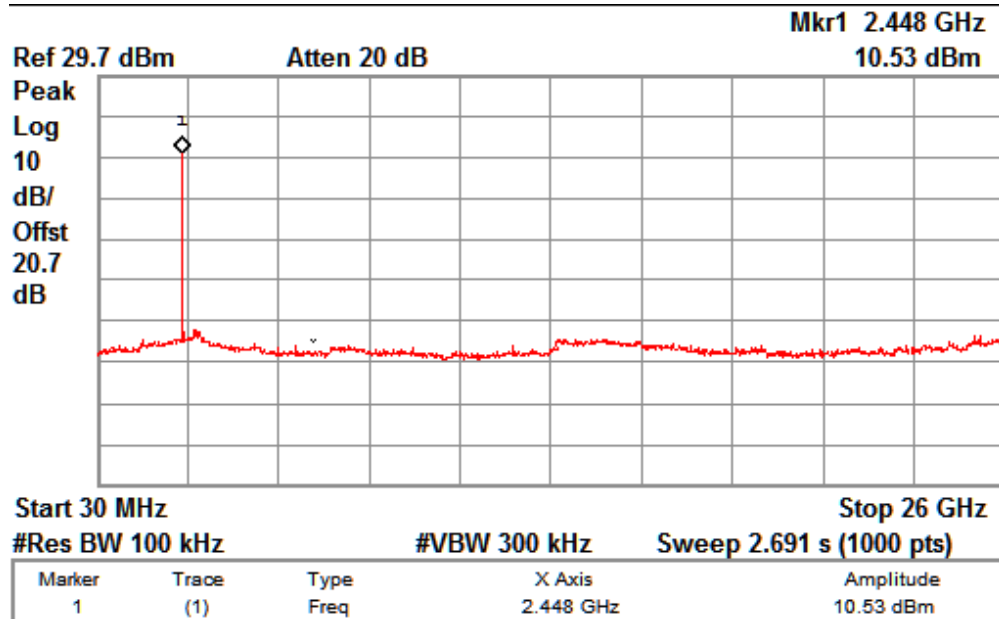


MCS 7

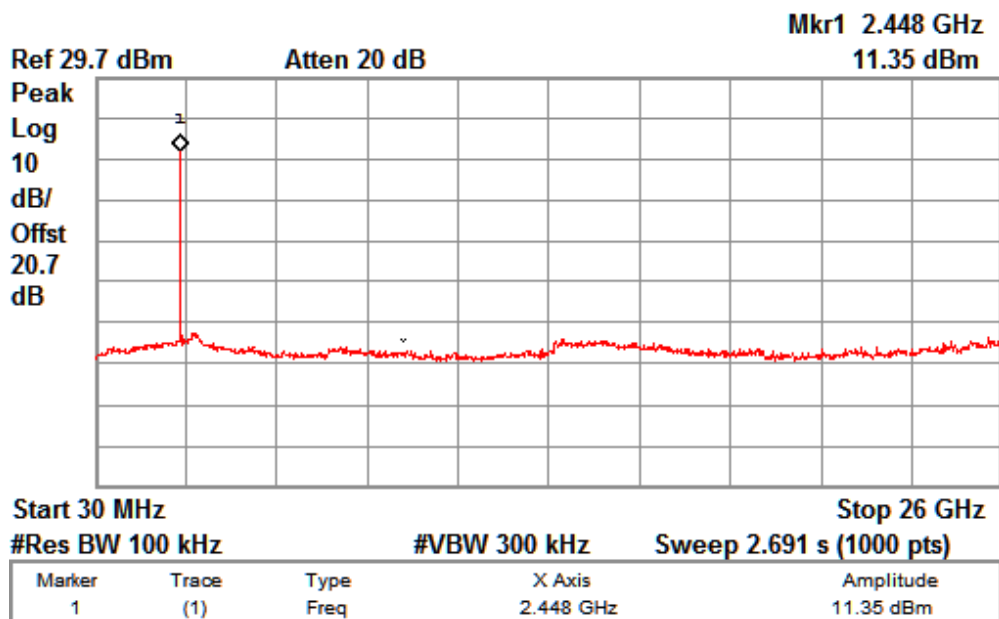
Chain1



MCS 0



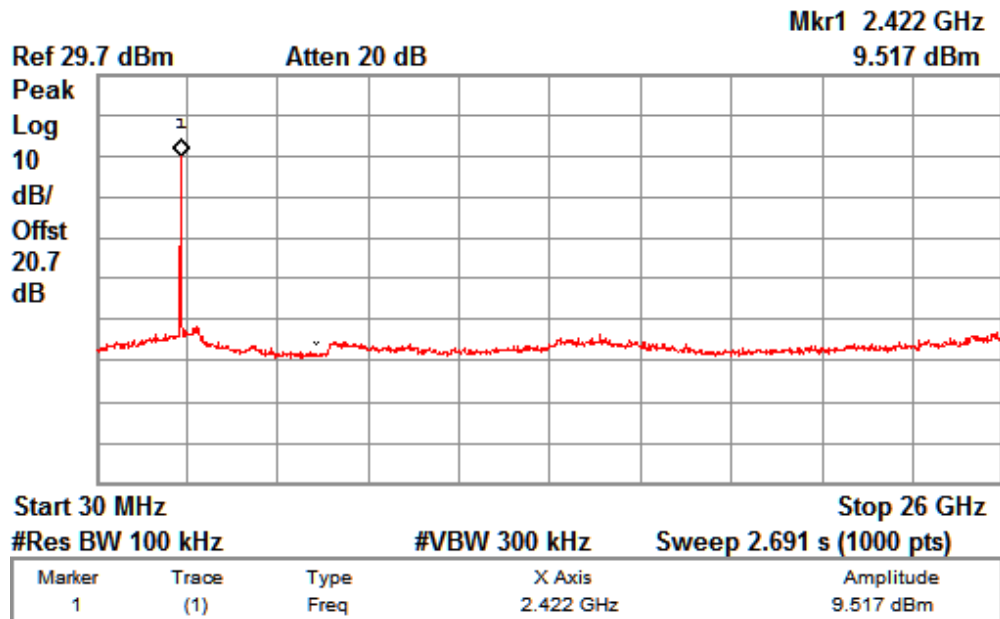
MCS 4



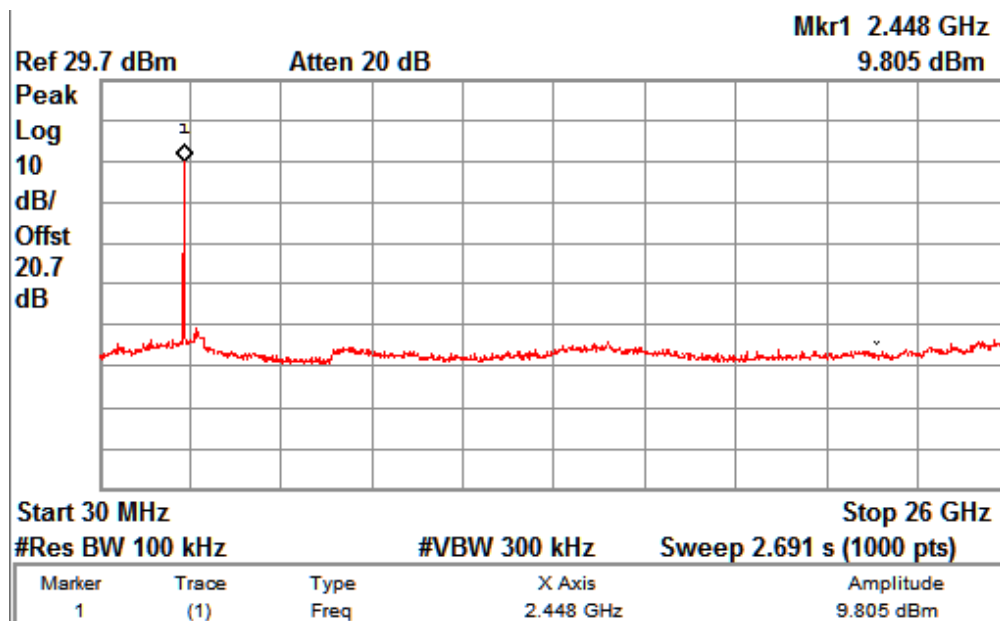
MCS 7

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Chain 2

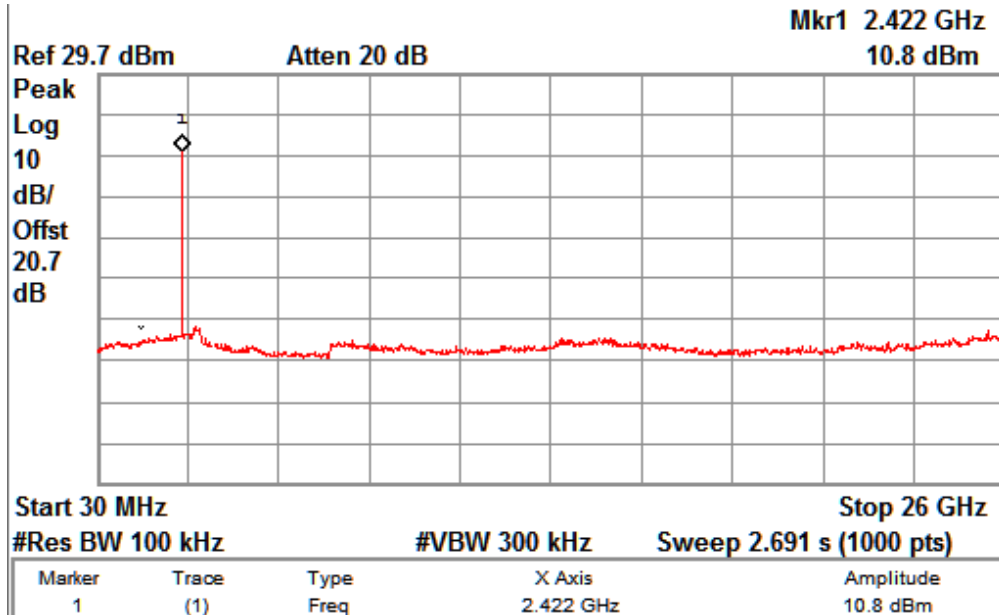


MCS 0



MCS 4

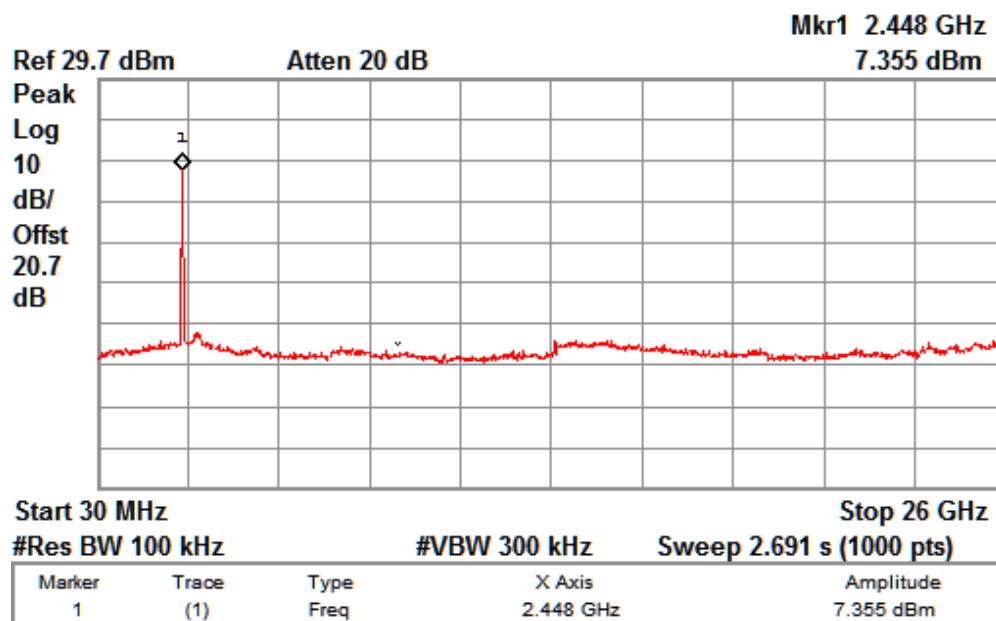
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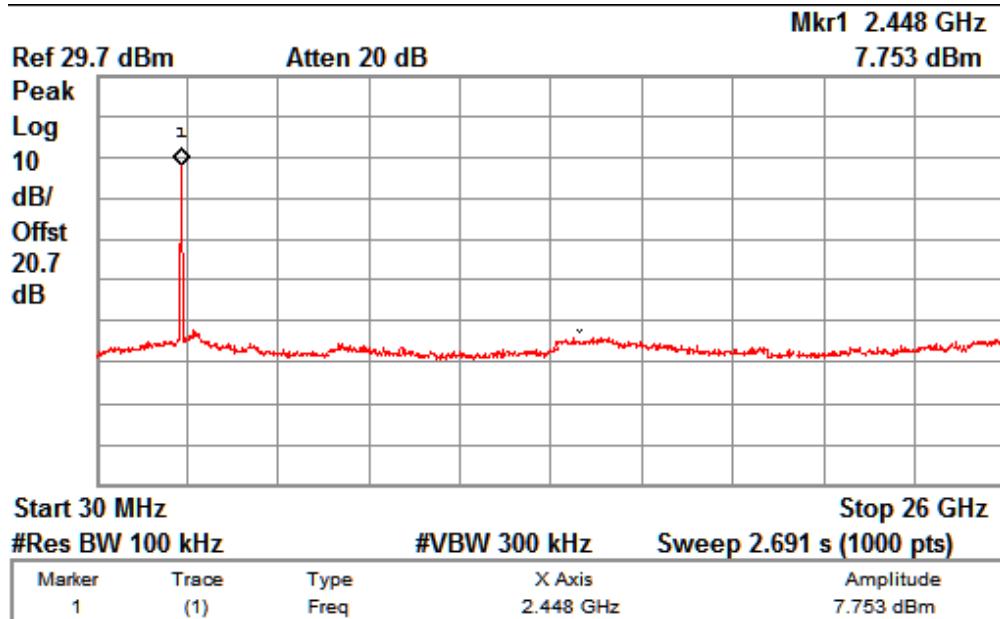
MCS 7

HT 40

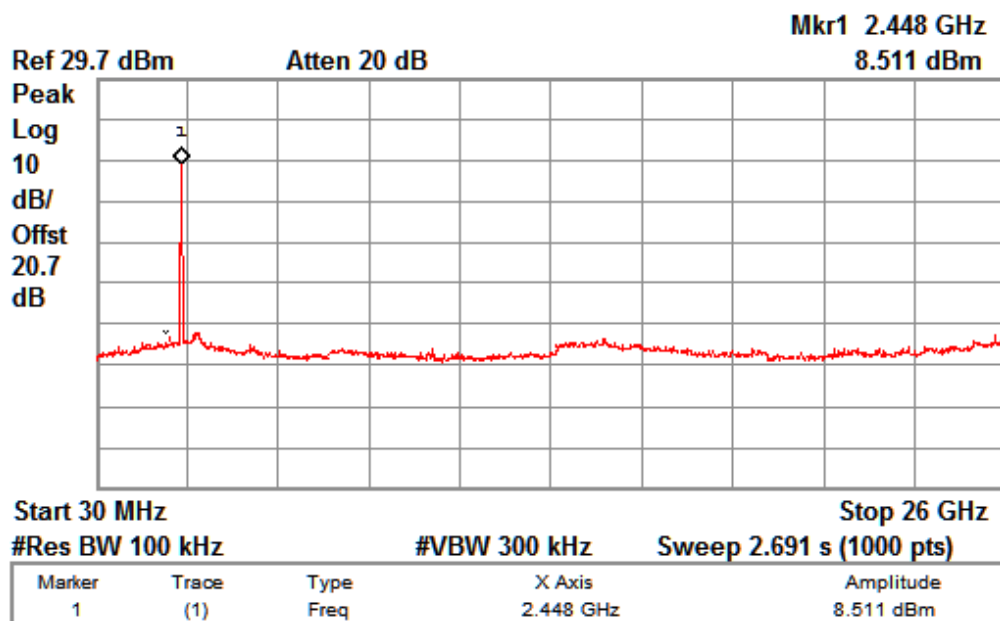
Chain 0



MCS 0



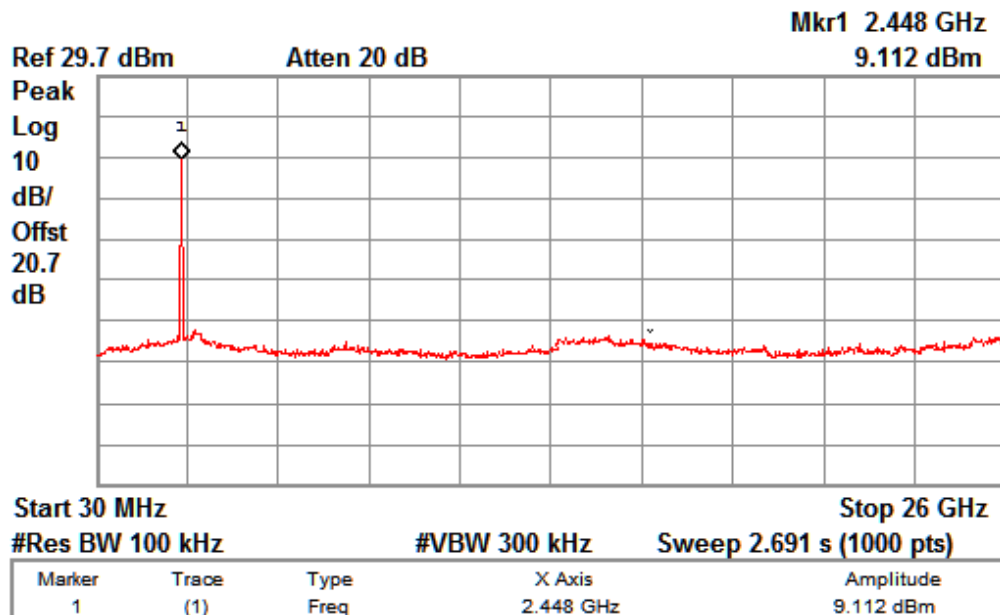
MCS 4



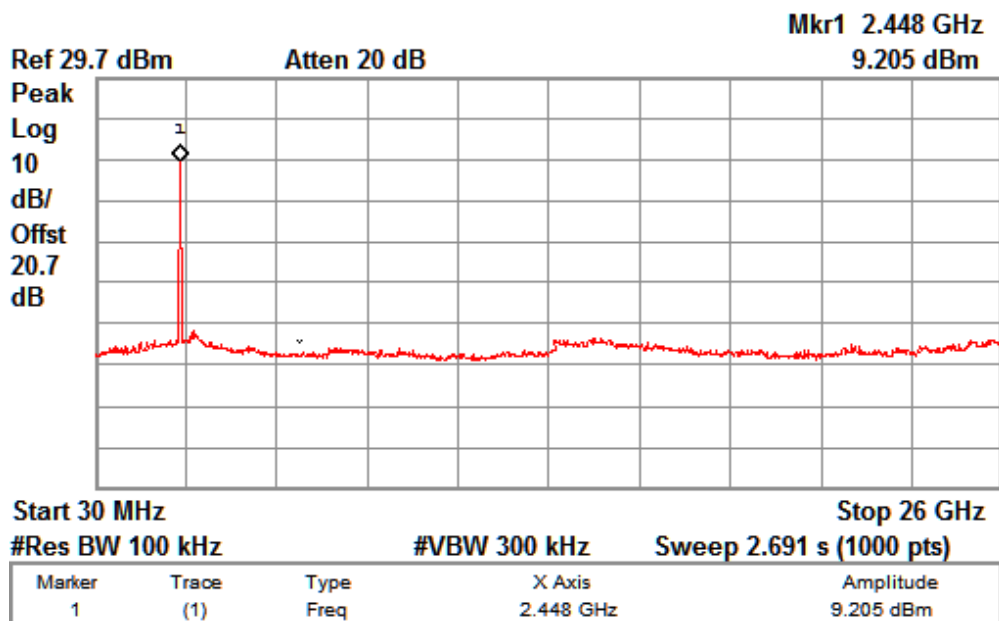
MCS 7

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Chain1

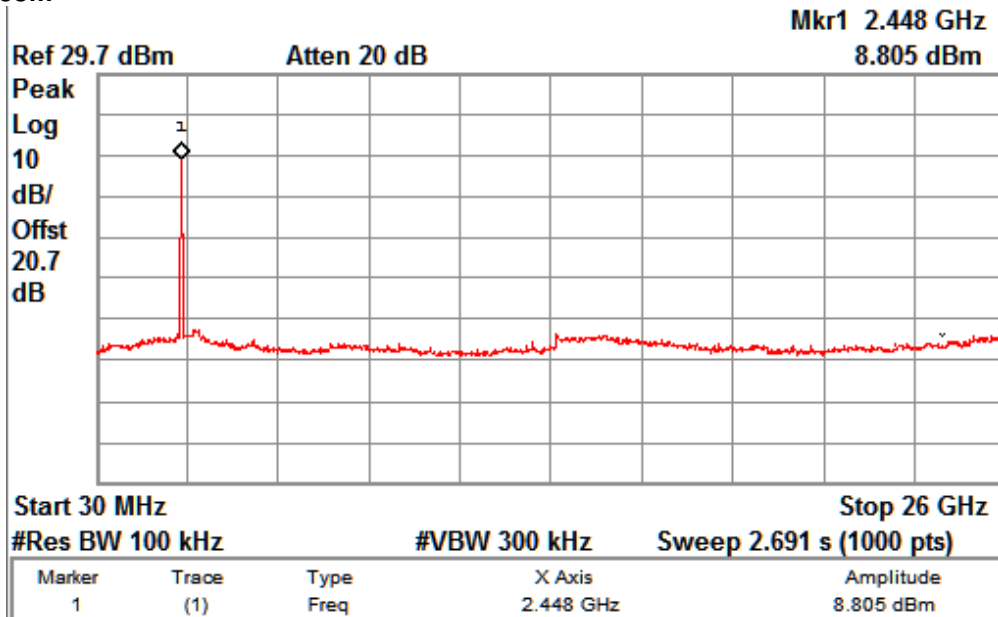


MCS 0



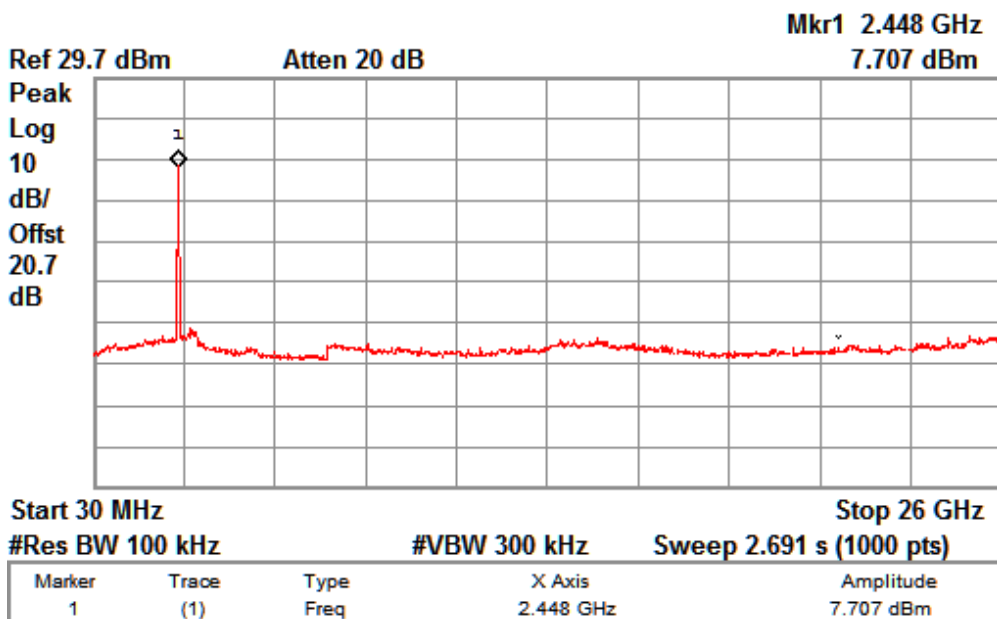
MCS 4

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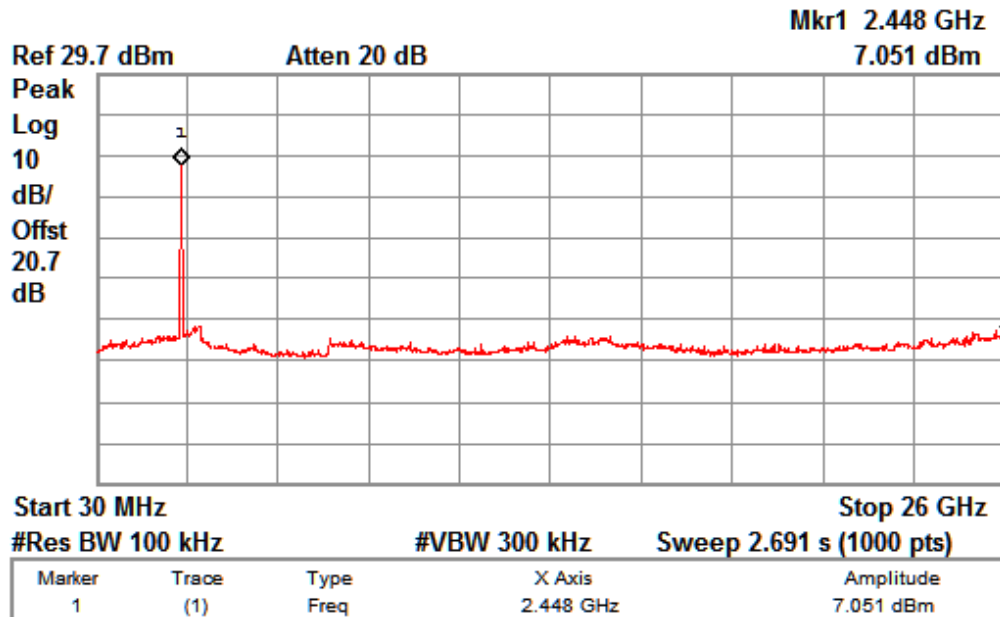
MCS 7

Chain2

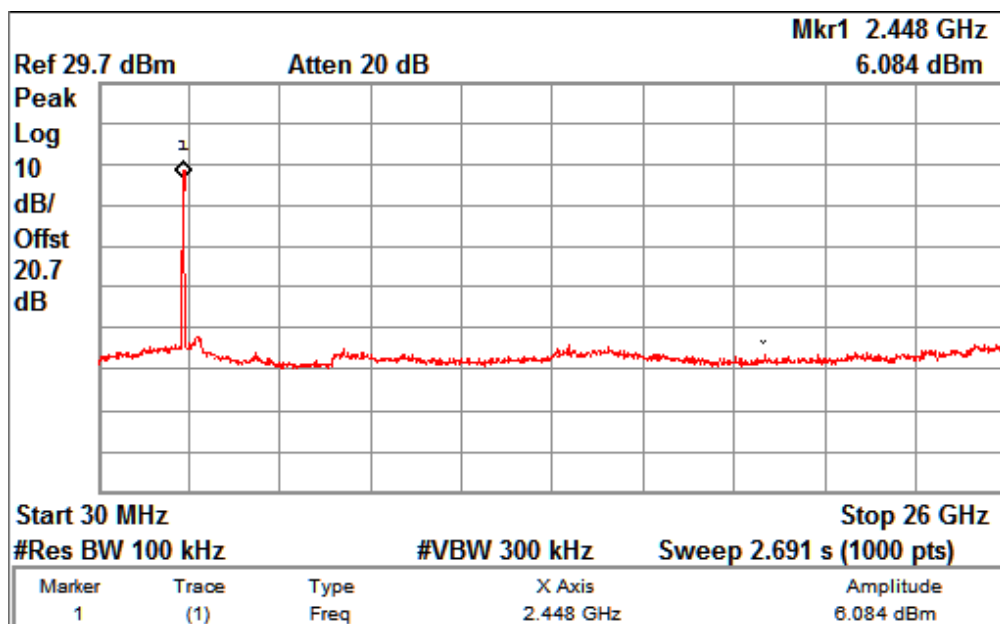


MCS 0

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MCS 4



MCS 7

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**Radiated Spurious Emissions and
Restricted Bands of Operation
Result**

**Section 15.209 and 15.205
Pass**

Test Specification	FCC Part 15 Section 15.209 & 15.205
Test Method	ANSI C63.10-2013
Measurement Location	Semi Anechoic Chamber
Measuring Distance	3m
Detection	QP for frequency below 1GHz, Average for frequency above 1GHz
Requirement	As per the limits mentioned in the below table

Limit for Radiated Emission of Section 15.209:

Frequency (MHz)	Field strength ($\mu\text{V/m}$)	Field strength (dB $\mu\text{V/m}$)	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 3 meter range respectively, which corresponds to 88.50 – 53.80, 53.80 – 43.00 and 49.5dB $\mu\text{V/m}$ 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.

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Test results:

For frequency Range 9kHz – 30MHz

No emissions found in this frequency range.

For the Frequency range 30MHz -1GHz

Worst case test results are reported.

Polarization	Frequency(MHz)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	66.48	35.09	40.00	-4.91
	499.99	37.93	46.00	-8.07
Vertical	62.48	33.71	40.00	6.29
	149.98	36.66	43.50	-6.84
	249.99	41.70	46.00	-4.30
	499.99	42.55	46.00	-3.45

Worst case test results for the frequencies in the range 1 GHz 26.5 GHz are reported in below table.

B Mode: 1Mbps					
Channel	Polarization	Frequency (MHz)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
Low	V	2390 (Pk)	52.86	74.00	-21.14
		2390 (Av)	44.20	54.00	-9.80
		2412 (Pk)	110.37	-	*
		2412 (Av)	107.87	-	*
		4824 (Pv)	53.22	74.00	-20.78
		4824 (Av)	47.31	54.00	-6.69
		7236 (Pk)	59.17	74.00	-14.83
		7236 (Av)	45.16	54.00	-8.84
	H	2390 (Pk)	49.36	74.00	-24.64
		2390 (Av)	41.77	54.00	-12.23
		2412 (Pk)	106.80	-	*
		2412 (Av)	104.66	-	*
		4824 (Pk)	53.62	74.00	-20.38
		4824 (Av)	48.64	54.00	-5.36
		7236 (Pk)	58.77	74.00	-15.23
		7236 (Av)	45.10	54.00	-8.90
Mid	V	2442 (Pk)	110.21		
		2442 (Av)	106.87		
		4884 (Pk)	55.30	74.00	-18.70
		4884 (Av)	50.79	54.00	-3.21

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High	H	2442 (Pk)	106.65		
		2442 (Av)	104.32		
		4884 (Pk)	55.16	74.00	-18.84
		4884 (Av)	50.68	54.00	-3.32
	V	2462 (Pk)	112.30	-	*
		2462 (Av)	109.82	-	*
		2483.5 (Pk)	54.77	74.00	-19.23
		2483.5 (Av)	47.42	54.00	-6.58
		4924 (Pk)	54.79	74.00	-19.21
		4924 (Av)	48.53	54.00	-5.47
		7386 (Pk)	59.96	74.00	-14.04
		7386 (Av)	46.56	54.00	-7.44
	H	2462 (Pk)	105.72	-	*
		2462 (Av)	103.08	-	*
		2483.5 (Pk)	45.80	74.00	-28.20
		2483.5 (Av)	36.90	54.00	-17.10
		4924 (Pk)	55.08	74.00	-18.92
		4924 (Av)	49.40	54.00	-4.60
		7386 (Pk)	58.59	74.00	-15.41
		7386 (Av)	46.17	54.00	-7.83

B Mode: 11Mbps					
Channel	Polarization	Frequency (MHz)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
Low	V	2390 (Pk)	51.56	74.00	-22.44
		2390 (Av)	44.19	54.00	-9.81
		2412 (Pk)	110.17	-	*
		2412 (Av)	107.85	-	*
		4824 (Pv)	49.66	74.00	-24.34
		4824 (Av)	36.71	54.00	-17.29
		7236 (Pk)	58.30	74.00	-15.70
		7236 (Av)	45.14	54.00	-8.86
	H	2390 (Pk)	49.46	74.00	-24.54
		2390 (Av)	41.14	54.00	-12.86
		2412 (Pk)	105.30	-	*
		2412 (Av)	102.80	-	*
		4824 (Pk)	49.47	74.00	-24.53
		4824 (Av)	36.67	54.00	-17.33
		7236 (Pk)	58.57	74.00	-15.43

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		7236 (Av)	45.08	54.00	-8.92
Mid	V	2442 (Pk)	109.89	-	*
		2442 (Av)	107.43	-	*
		4884 (Pk)	49.38	74.00	-24.62
		4884 (Av)	36.91	54.00	-17.09
	H	2442 (Pk)	104.82	-	*
		2442 (Av)	102.40	-	*
		4884 (Pk)	49.99	74.00	-24.01
		4884 (Av)	36.90	54.00	-17.10
High	V	2462 (Pk)	116.56	-	*
		2462 (Av)	108.90	-	*
		2483.5 (Pk)	57.09	74.00	-16.91
		2483.5 (Av)	45.94	54.00	-8.06
		4924 (Pk)	50.34	74.00	-23.66
		4924 (Av)	37.85	54.00	-16.15
		7386 (Pk)	58.83	74.00	-15.17
		7386 (Av)	46.28	54.00	-7.72
	H	2462 (Pk)	109.80	-	*
		2462 (Av)	102.64	-	*
		2483.5 (Pk)	49.04	74.00	-24.96
		2483.5 (Av)	38.49	54.00	-15.51
		4924 (Pk)	51.39	74.00	-22.61
		4924 (Av)	37.86	54.00	-16.14
		7386 (Pk)	58.43	74.00	-15.57
		7386 (Av)	45.87	54.00	-8.13

G Mode: 6Mbps					
Channel	Polarization	Frequency (MHz)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
Low	V	2390 (Pk)	68.48	74.00	-5.52
		2390 (Av)	51.73	54.00	-2.27
		2412 (Pk)	112.12	-	*
		2412 (Av)	103.55	-	*
		4824 (Pv)	51.04	74.00	-22.96
		4824 (Av)	37.23	54.00	-16.77
		7236 (Pk)	56.84	74.00	-17.16
		7236 (Av)	43.07	54.00	-10.93
	H	2390 (Pk)	59.10	74.00	-14.90
		2390 (Av)	46.27	54.00	-7.73

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		2412 (Pk)	106.99	-	*
		2412 (Av)	97.99	-	*
		4824 (Pk)	49.19	74.00	-24.81
		4824 (Av)	37.52	54.00	-16.48
		7236 (Pk)	56.87	74.00	-17.13
		7236 (Av)	43.15	54.00	-10.85
Mid	V	2442 (Pk)	114.12	-	*
		2442 (Av)	105.55	-	*
		4884 (Pk)	53.04	74.00	-20.96
		4884 (Av)	39.23	54.00	-14.77
		7326 (Pk)	58.84	74.00	-15.16
		7326 (Av)	45.07	54.00	-8.93
	H	2442 (Pk)	108.99	-	*
		2442 (Av)	99.99	-	*
		4884 (Pk)	51.19	74.00	-22.81
		4884 (Av)	39.52	54.00	-14.48
		7326 (Pk)	58.87	74.00	-15.13
		7326 (Av)	45.15	54.00	-8.85
High	V	2462 (Pk)	108.68	-	*
		2462 (Av)	99.55	-	*
		2483.5 (Pk)	66.84	74.00	-7.16
		2483.5 (Av)	52.11	54.00	-1.89
		4924 (Pk)	46.04	74.00	-27.96
		4924 (Av)	33.23	54.00	-20.77
		7386 (Pk)	51.84	74.00	-22.16
		7386 (Av)	38.07	54.00	-15.93
	H	2462 (Pk)	102.87	-	*
		2462 (Av)	93.68	-	*
		2483.5 (Pk)	54.35	74.00	-19.65
		2483.5 (Av)	42.07	54.00	-11.93
		4924 (Pk)	44.19	74.00	-29.81
		4924 (Av)	33.52	54.00	-20.48
		7386 (Pk)	51.87	74.00	-22.13
		7386 (Av)	38.15	54.00	-15.85

G Mode:24Mbps					
Channel	Polarization	Frequency (MHz)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)

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Low	V	2390 (Pk)	70.16	74.00	-3.84
		2390 (Av)	53.78	54.00	-0.22
		2412 (Pk)	115.24	-	*
		2412 (Av)	104.61	-	*
		4824 (Pv)	51.22	74.00	-22.78
		4824 (Av)	38.87	54.00	-15.13
		7236 (Pk)	58.18	74.00	-15.82
		7236 (Av)	44.18	54.00	-9.82
	H	2390 (Pk)	62.20	74.00	-11.80
		2390 (Av)	47.55	54.00	-6.45
		2412 (Pk)	108.44	-	*
		2412 (Av)	98.92	-	*
		4824 (Pk)	50.22	74.00	-23.78
		4824 (Av)	39.01	54.00	-14.99
		7236 (Pk)	58.22	74.00	-15.78
		7236 (Av)	44.89	54.00	-9.11
Mid	V	2442 (Pk)	115.68	-	*
		2442 (Av)	104.35	-	*
		4884 (Pk)	51.47	74.00	-22.53
		4884 (Av)	39.13	54.00	-14.87
		7326 (Pk)	58.37	74.00	-15.63
		7326 (Av)	45.19	54.00	-8.81
	H	2442 (Pk)	108.35	-	*
		2442 (Av)	98.27	-	*
		4884 (Pk)	50.63	74.00	-23.37
		4884 (Av)	39.44	54.00	-14.56
		7326 (Pk)	57.42	74.00	-16.58
		7326 (Av)	45.10	54.00	-8.90
High	V	2462 (Pk)	109.86	-	*
		2462 (Av)	98.78	-	*
		2483.5 (Pk)	64.88	74.00	-9.12
		2483.5 (Av)	50.44	54.00	-3.56
		4924 (Pk)	43.63	74.00	-30.37
		4924 (Av)	32.44	54.00	-21.56
		7386 (Pk)	50.42	74.00	-23.58
		7386 (Av)	38.10	54.00	-15.90
	H	2462 (Pk)	103.64	-	*
		2462 (Av)	92.12	-	*
		2483.5 (Pk)	54.82	74.00	-19.18
		2483.5 (Av)	41.74	54.00	-12.26
		4924 (Pk)	43.63	74.00	-30.37
		4924 (Av)	32.44	54.00	-21.56

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	7386 (Pk)	50.42	74.00	-23.58
	7386 (Av)	38.10	54.00	-15.90

G Mode: 54Mbps					
Channel	Polarization	Frequency (MHz)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
Low	V	2390 (Pk)	66.14	74.00	-7.86
		2390 (Av)	48.24	54.00	-5.76
		2412 (Pk)	113.00	-	*
		2412 (Av)	101.47	-	*
		4824 (Pv)	49.48	74.00	-24.52
		4824 (Av)	36.90	54.00	-17.10
		7236 (Pk)	57.21	74.00	-16.79
		7236 (Av)	43.12	54.00	-10.88
	H	2390 (Pk)	57.69	74.00	-16.31
		2390 (Av)	42.41	54.00	-11.59
		2412 (Pk)	108.28	-	*
		2412 (Av)	96.32	-	*
		4824 (Pk)	49.15	74.00	-24.85
		4824 (Av)	36.97	54.00	-17.03
		7236 (Pk)	55.44	74.00	-18.56
		7236 (Av)	43.05	54.00	-10.95
Mid	V	2442 (Pk)	68.14	-	*
		2442 (Av)	50.46	-	*
		4884 (Pk)	51.48	74.00	-22.52
		4884 (Av)	38.93	54.00	-15.07
		7326 (Pk)	59.24	74.00	-14.76
		7326 (Av)	45.10	54.00	-8.90
	H	2442 (Pk)	59.77	-	*
		2442 (Av)	40.35	-	*
		4884 (Pk)	51.17	74.00	-22.83
		4884 (Av)	38.98	54.00	-15.02
		7326 (Pk)	57.72	74.00	-16.28
		7326 (Av)	45.14	54.00	-8.86
High	V	2462 (Pk)	109.92	-	*
		2462 (Av)	96.98	-	*
		2483.5 (Pk)	69.18	74.00	-4.82
		2483.5 (Av)	49.36	54.00	-4.64
		4924 (Pk)	49.61	74.00	-24.39
		4924 (Av)	36.90	54.00	-17.10

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		7386 (Pk)	57.38	74.00	-16.62
		7386 (Av)	43.34	54.00	-10.66
	H	2462 (Pk)	103.90	-	*
		2462 (Av)	91.26	-	*
		2483.5 (Pk)	58.26	74.00	-15.74
		2483.5 (Av)	40.16	54.00	-13.84
		4924 (Pk)	49.21	74.00	-24.79
		4924 (Av)	36.56	54.00	-17.44
		7386 (Pk)	55.24	74.00	-18.76
		7386 (Av)	43.18	54.00	-10.82

N mode HT 20

N Mode: MCS0					
Channel	Polarization	Frequency (MHz)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
Low	V	2390 (Pk)	62.95	74.00	-11.05
		2390 (Av)	50.29	54.00	-3.71
		2412 (Pk)	114.94	-	*
		2412 (Av)	105.73	-	*
		4824 (Pk)	50.13	74.00	-23.87
		4824 (Av)	45.26	54.00	-8.74
		7236 (Pk)	51.18	74.00	-22.82
		7236 (Av)	42.34	54.00	-11.66
	H	2390 (Pk)	56.24	74.00	-17.76
		2390 (Av)	43.89	54.00	-10.11
		2412 (Pk)	105.70	-	*
		2412 (Av)	96.43	-	*
		4824 (Pk)	50.41	74.00	-23.59
		4824 (Av)	45.76	54.00	-8.24
		7236 (Pk)	51.89	74.00	-22.11
		7236 (Av)	38.58	54.00	-15.42
Mid	V	2442 (Pk)	122.13	-	*
		2442 (Av)	113.45	-	*
		4884 (Pk)	58.13	74.00	-15.87

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		4884 (Av)	53.26	54.00	-0.74
		7326 (Pk)	59.16	74.00	-14.84
		7326 (Av)	50.48	54.00	-3.52
	H	2442 (Pk)	113.60	-	*
		2442 (Av)	104.63	-	*
		4884 (Pk)	58.56	74.00	-15.44
		4884 (Av)	53.84	54.00	-0.16
		7326 (Pk)	59.93	74.00	-14.07
		7326 (Av)	46.53	54.00	-7.47
High	V	2462 (Pk)	111.46	-	*
		2462 (Av)	102.45	-	*
		2483.5 (Pk)	65.18	74.00	-8.82
		2483.5 (Av)	52.94	54.00	-1.06
		4924 (Pk)	50.11	74.00	-23.89
		4924 (Av)	42.23	54.00	-11.77
		7386 (Pk)	48.67	74.00	-25.33
		7386 (Av)	41.67	54.00	-12.33
	H	2462 (Pk)	110.78	-	*
		2462 (Av)	101.78	-	*
		2483.5 (Pk)	63.89	74.00	-10.11
		2483.5 (Av)	53.25	54.00	-0.75
		4924 (Pk)	53.12	74.00	-20.88
		4924 (Av)	42.86	54.00	-11.14
		7386 (Pk)	48.45	74.00	-25.55
		7386 (Av)	40.74	54.00	-13.26

N Mode: MCS4					
Channel	Polarization	Frequency (MHz)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
Low	V	2390 (Pk)	69.41	74.00	-4.59
		2390 (Av)	50.11	54.00	-3.89
		2412 (Pk)	115.93	-	*
		2412 (Av)	103.79	-	*
		4824 (Pv)	45.56	74.00	-28.44
		4824 (Av)	32.72	54.00	-21.28
		7236 (Pk)	51.04	74.00	-22.96

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	H	7236 (Av)	37.25	54.00	-16.75
		2390 (Pk)	56.87	74.00	-17.13
		2390 (Av)	43.53	54.00	-10.47
		2412 (Pk)	107.46	-	*
		2412 (Av)	96.13	-	*
		4824 (Pk)	46.80	74.00	-27.20
		4824 (Av)	32.92	54.00	-21.08
		7236 (Pk)	50.01	74.00	-23.99
		7236 (Av)	37.20	54.00	-16.80
Mid	V	2442 (Pk)	123.93	-	*
		2442 (Av)	111.79	-	*
		4884 (Pk)	53.56	74.00	-20.44
		4884 (Av)	40.72	54.00	-13.28
		7326 (Pk)	59.04	74.00	-14.96
		7326 (Av)	45.25	54.00	-8.75
	H	2442 (Pk)	115.46	-	*
		2442 (Av)	104.13	-	*
		4884 (Pk)	54.80	74.00	-19.20
		4884 (Av)	40.92	54.00	-13.08
		7326 (Pk)	58.01	74.00	-15.99
		7326 (Av)	45.20	54.00	-8.80
High	V	2462 (Pk)	112.76	-	*
		2462 (Av)	101.52	-	*
		2483.5 (Pk)	65.50	74.00	-8.50
		2483.5 (Av)	52.72	54.00	-1.28
		4924 (Pk)	45.56	74.00	-28.44
		4924 (Av)	32.72	54.00	-21.28
		7386 (Pk)	51.08	74.00	-22.92
		7386 (Av)	37.56	54.00	-16.44
	H	2462 (Pk)	103.20	-	*
		2462 (Av)	92.15	-	*
		2483.5 (Pk)	52.66	74.00	-21.34
		2483.5 (Av)	40.46	54.00	-13.54
		4924 (Pk)	46.80	74.00	-27.20
		4924 (Av)	32.16	54.00	-21.84
		7386 (Pk)	50.78	74.00	-23.22
		7386 (Av)	37.89	54.00	-16.11

N Mode:MCS7

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Channel	Polarization	Frequency (MHz)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
Low	V	2390 (Pk)	72.09	74.00	-1.91
		2390 (Av)	49.91	54.00	-4.09
		2412 (Pk)	115.69	-	*
		2412 (Av)	102.71	-	*
		4824 (Pv)	45.39	74.00	-28.61
		4824 (Av)	32.15	54.00	-21.85
		7236 (Pk)	50.04	74.00	-23.96
		7236 (Av)	37.16	54.00	-16.84
	H	2390 (Pk)	55.85	74.00	-18.15
		2390 (Av)	42.58	54.00	-11.42
		2412 (Pk)	105.91	-	*
		2412 (Av)	94.68	-	*
		4824 (Pk)	44.46	74.00	-29.54
		4824 (Av)	32.24	54.00	-21.76
		7236 (Pk)	50.82	74.00	-23.18
		7236 (Av)	37.05	54.00	-16.95
Mid	V	2442 (Pk)	123.69	-	*
		2442 (Av)	110.71	-	*
		4884 (Pk)	53.39	74.00	-20.61
		4884 (Av)	40.15	54.00	-13.85
		7326 (Pk)	58.04	74.00	-15.96
		7326 (Av)	45.16	54.00	-8.84
	H	2442 (Pk)	113.91	-	*
		2442 (Av)	102.68	-	*
		4884 (Pk)	52.46	74.00	-21.54
		4884 (Av)	40.24	54.00	-13.76
		7326 (Pk)	58.82	74.00	-15.18
		7326 (Av)	45.05	54.00	-8.95
High	V	2462 (Pk)	113.18	-	*
		2462 (Av)	99.96	-	*
		2483.5 (Pk)	65.55	74.00	-8.45
		2483.5 (Av)	51.12	54.00	-2.88
		4924 (Pk)	45.78	74.00	-28.22
		4924 (Av)	32.54	54.00	-21.46
		7386 (Pk)	50.55	74.00	-23.45
		7386 (Av)	37.77	54.00	-16.23
	H	2462 (Pk)	103.92	-	*
		2462 (Av)	92.86	-	*
		2483.5 (Pk)	56.16	74.00	-17.84

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	2483.5 (Av)	43.34	54.00	-10.66
	4924 (Pk)	44.76	74.00	-29.24
	4924 (Av)	32.67	54.00	-21.33
	7386 (Pk)	50.76	74.00	-23.24
	7386 (Av)	37.65	54.00	-16.35

HT 40

N Mode: MCS0					
Channel	Polarization	Frequency (MHz)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
Low	V	2390 (Pk)	68.18	74.00	-5.82
		2390 (Av)	52.94	54.00	-1.06
		2412 (Pk)	111.37	-	*
		2412 (Av)	101.53	-	*
		4824 (Pk)	43.53	74.00	-30.47
		4824 (Av)	31.77	54.00	-22.23
		7236 (Pk)	50.40	74.00	-23.60
		7236 (Av)	37.03	54.00	-16.97
	H	2390 (Pk)	60.95	74.00	-13.05
		2390 (Av)	47.59	54.00	-6.41
		2412 (Pk)	103.15	-	*
		2412 (Av)	93.01	-	*
		4824 (Pk)	44.14	74.00	-29.86
		4824 (Av)	32.14	54.00	-21.86
		7236 (Pk)	50.84	74.00	-23.16
		7236 (Av)	37.12	54.00	-16.88
Mid	V	2442 (Pk)	119.37	-	*
		2442 (Av)	109.54	-	*
		4884 (Pk)	51.53	74.00	-22.47
		4884 (Av)	39.77	54.00	-14.23
		7326 (Pk)	58.40	74.00	-15.60
		7326 (Av)	45.03	54.00	-8.97
	H	2442 (Pk)	111.14	-	*
		2442 (Av)	101.11	-	*
		4884 (Pk)	52.14	74.00	-21.86
		4884 (Av)	40.14	54.00	-13.86
		7326 (Pk)	58.84	74.00	-15.16
		7326 (Av)	45.12	54.00	-8.88
High	V	2462 (Pk)	102.73	-	*

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		2462 (Av)	92.71	-	*
		2483.5 (Pk)	68.59	74.00	-5.41
		2483.5 (Av)	52.89	54.00	-1.11
		4924 (Pk)	34.53	74.00	-39.47
		4924 (Av)	24.77	54.00	-29.23
		7386 (Pk)	41.43	74.00	-32.57
		7386 (Av)	30.03	54.00	-23.97
	H	2462 (Pk)	92.01	-	*
		2462 (Av)	82.59	-	*
		2483.5 (Pk)	59.13	74.00	-14.87
		2483.5 (Av)	44.27	54.00	-9.73
		4924 (Pk)	35.14	74.00	-38.86
		4924 (Av)	24.21	54.00	-29.79
		7386 (Pk)	42.36	74.00	-31.64
		7386 (Av)	28.34	54.00	-25.66

N Mode: MCS4					
Channel	Polarization	Frequency (MHz)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
Low	V	2390 (Pk)	71.22	74.00	-2.78
		2390 (Av)	53.95	54.00	-0.05
		2412 (Pk)	111.23	-	*
		2412 (Av)	98.05	-	*
		4824 (Pv)	44.78	74.00	-29.22
		4824 (Av)	32.20	54.00	-21.80
		7236 (Pk)	50.86	74.00	-23.14
		7236 (Av)	37.10	54.00	-16.90
	H	2390 (Pk)	57.25	74.00	-16.75
		2390 (Av)	42.82	54.00	-11.18
		2412 (Pk)	103.62	-	*
		2412 (Av)	91.02	-	*
		4824 (Pk)	44.93	74.00	-29.07
		4824 (Av)	31.31	54.00	-22.69
		7236 (Pk)	50.99	74.00	-23.01
		7236 (Av)	37.12	54.00	-16.88
Mid	V	2442 (Pk)	119.23	-	*
		2442 (Av)	106.05	-	*
		4884 (Pk)	52.78	74.00	-21.22

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		4884 (Av)	38.20	54.00	-15.80
		7326 (Pk)	58.86	74.00	-15.14
		7326 (Av)	45.10	54.00	-8.90
	H	2442 (Pk)	111.62	-	*
		2442 (Av)	99.02	-	*
		4884 (Pk)	52.93	74.00	-21.07
		4884 (Av)	39.31	54.00	-14.69
		7326 (Pk)	58.99	74.00	-15.01
		7326 (Av)	45.12	54.00	-8.88
High	V	2462 (Pk)	103.87	-	*
		2462 (Av)	90.31	-	*
		2483.5 (Pk)	70.17	74.00	-3.83
		2483.5 (Av)	50.19	54.00	-3.81
		4924 (Pk)	35.78	74.00	-38.22
		4924 (Av)	24.20	54.00	-29.80
		7386 (Pk)	41.86	74.00	-32.14
		7386 (Av)	28.10	54.00	-25.90
	H	2462 (Pk)	95.19	-	*
		2462 (Av)	83.19	-	*
		2483.5 (Pk)	57.60	74.00	-16.40
		2483.5 (Av)	39.34	54.00	-14.66
		4924 (Pk)	35.93	74.00	-38.07
		4924 (Av)	23.21	54.00	-30.79
		7386 (Pk)	41.99	74.00	-32.01
		7386 (Av)	28.12	54.00	-25.88

N Mode:MCS7					
Channel	Polarization	Frequency (MHz)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
Low	V	2390 (Pk)	65.06	74.00	-8.94
		2390 (Av)	45.80	54.00	-8.20
		2412 (Pk)	111.16	-	*
		2412 (Av)	96.70	-	*
		4824 (Pv)	43.19	74.00	-30.81

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		4824 (Av)	29.94	54.00	-24.06
		7236 (Pk)	51.12	74.00	-22.88
		7236 (Av)	36.14	54.00	-17.86
	H	2390 (Pk)	56.14	74.00	-17.86
		2390 (Av)	39.64	54.00	-14.36
		2412 (Pk)	101.67	-	*
		2412 (Av)	88.03	-	*
		4824 (Pk)	44.41	74.00	-29.59
		4824 (Av)	30.08	54.00	-23.92
		7236 (Pk)	50.49	74.00	-23.51
		7236 (Av)	35.06	54.00	-18.94
Mid	V	2442 (Pk)	120.16	-	*
		2442 (Av)	105.70	-	*
		4884 (Pk)	52.19	74.00	-21.81
		4884 (Av)	38.94	54.00	-15.06
		7326 (Pk)	59.12	74.00	-14.88
		7326 (Av)	45.14	54.00	-8.86
	H	2442 (Pk)	110.67	-	*
		2442 (Av)	97.03	-	*
		4884 (Pk)	53.41	74.00	-20.59
		4884 (Av)	39.08	54.00	-14.92
		7326 (Pk)	59.49	74.00	-14.51
		7326 (Av)	45.06	54.00	-8.94
High	V	2462 (Pk)	107.15	-	*
		2462 (Av)	92.32	-	*
		2483.5 (Pk)	70.95	74.00	-3.05
		2483.5 (Av)	51.18	54.00	-2.82
		4924 (Pk)	38.19	74.00	-35.81
		4924 (Av)	25.94	54.00	-28.06
		7386 (Pk)	45.12	74.00	-28.88
		7386 (Av)	32.14	54.00	-21.86
	H	2462 (Pk)	97.48	-	*
		2462 (Av)	84.61	-	*
		2483.5 (Pk)	59.46	74.00	-14.54
		2483.5 (Av)	40.59	54.00	-13.41
		4924 (Pk)	40.41	74.00	-33.59
		4924 (Av)	26.08	54.00	-27.92
		7386 (Pk)	45.49	74.00	-28.51
		7386 (Av)	33.06	54.00	-20.94

* - -> Fundamental Frequency

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P-->Peak detector

AV-->Average Detector

Result**Pass**

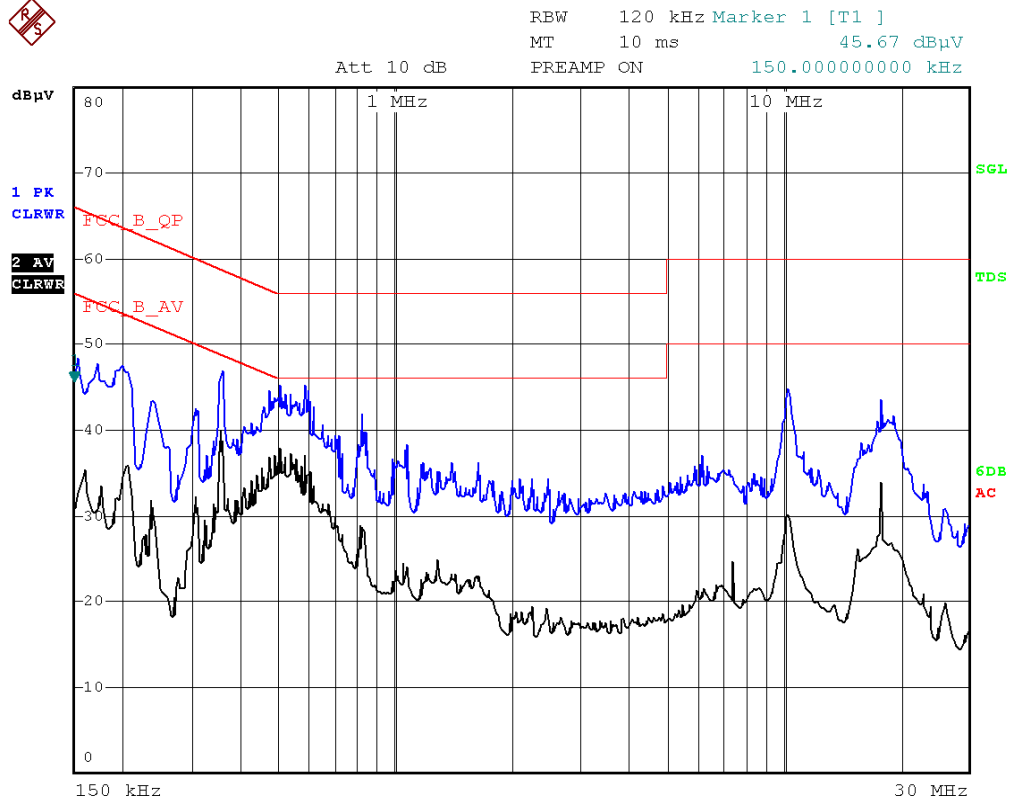
Test Specification : FCC Part 15 Section 15.207
Test Method : ANSI C63.4-2003
Testing Location : Screened room
Measurement Bandwidth : 9kHz
Frequency Range : 150kHz – 30MHz
Supply Voltage : 3V DC

Limit of section 15.207

Frequency of emission (MHz)	QP Limit (dB μ V)	AV Limit (dB μ V/m)
0.15 – 0.5	66 – 56*	56 – 46*
0.5 – 5	56	46
5 – 30	60	50

* Decreases with the logarithm of the frequency

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Test Results – Neutral



EDIT PEAK LIST (Final Measurement Results)				
Trace1:	FSC_B_QP			
Trace2:	FSC_B_AV			
Trace3:	---			
TRACE	FREQUENCY	LEVEL dBµV		DELTA LIMIT dB
1 Quasi Peak	154 kHz	40.73	N	-25.04
2 Average	158 kHz	35.49	N	-20.07
2 Average	202 kHz	36.28	N	-17.24
2 Average	354 kHz	40.00	N	-8.86
1 Quasi Peak	358 kHz	44.27	N	-14.50
2 Average	502 kHz	37.99	N	-8.00
1 Quasi Peak	586 kHz	42.34	N	-13.65
2 Average	10.322 MHz	29.33	N	-20.66
1 Quasi Peak	10.334 MHz	38.20	N	-21.79
2 Average	17.894 MHz	28.42	N	-21.57
1 Quasi Peak	17.898 MHz	34.53	N	-25.46

END OF TEST REPORT