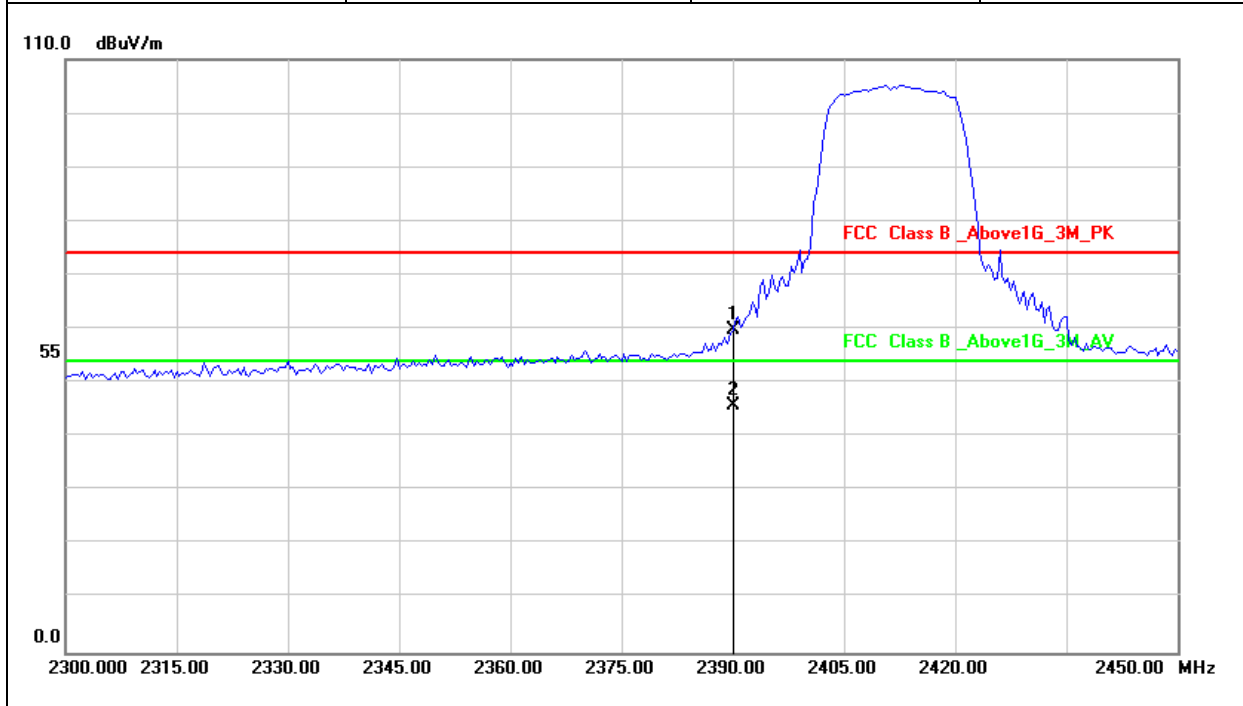




Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11n HT20, CH01		



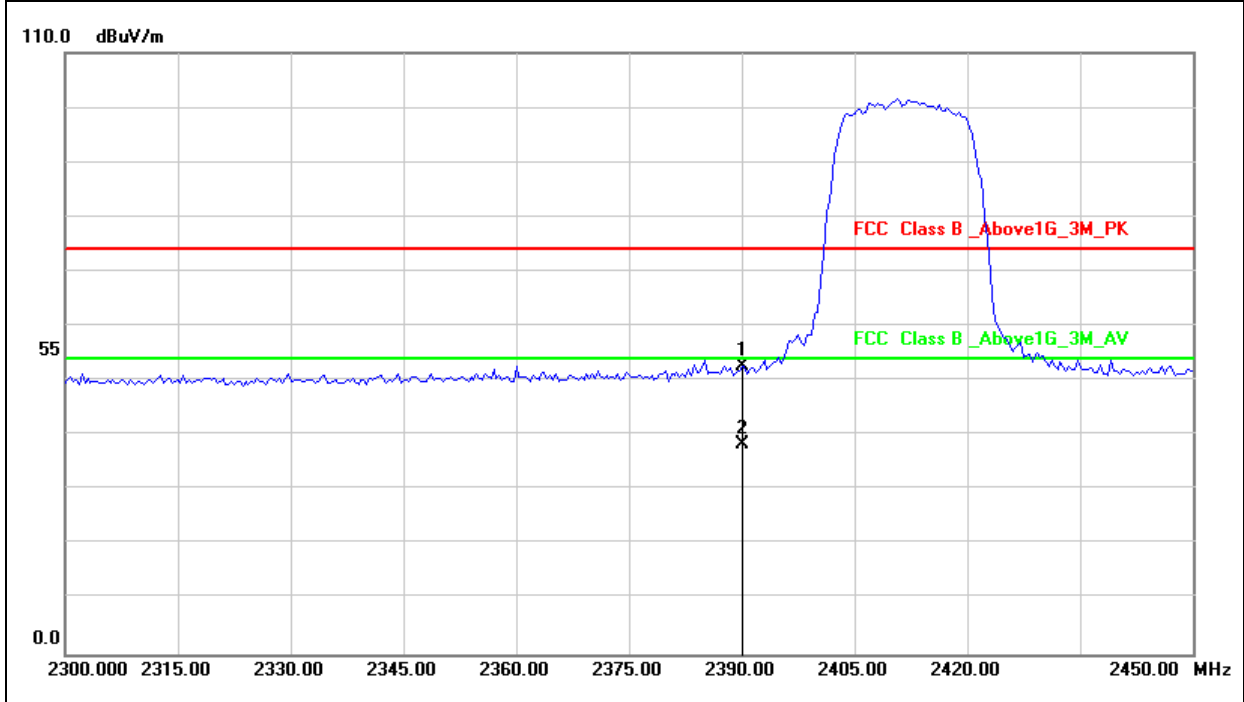
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-2.72	62.56	59.84	74.00	-14.16	peak
2	2390.000	-2.72	48.40	45.68	54.00	-8.32	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11n HT20, CH01		



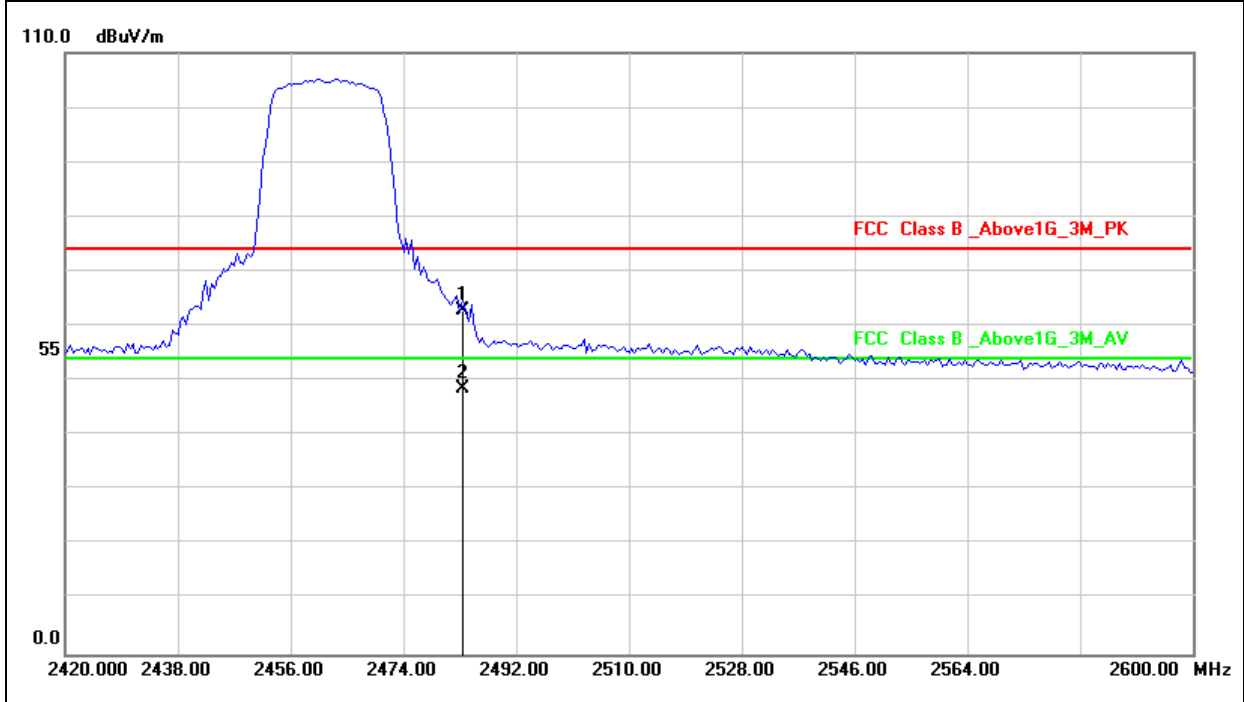
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-2.72	55.26	52.54	74.00	-21.46	peak
2	2390.000	-2.72	41.17	38.45	54.00	-15.55	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11n HT20, CH11		



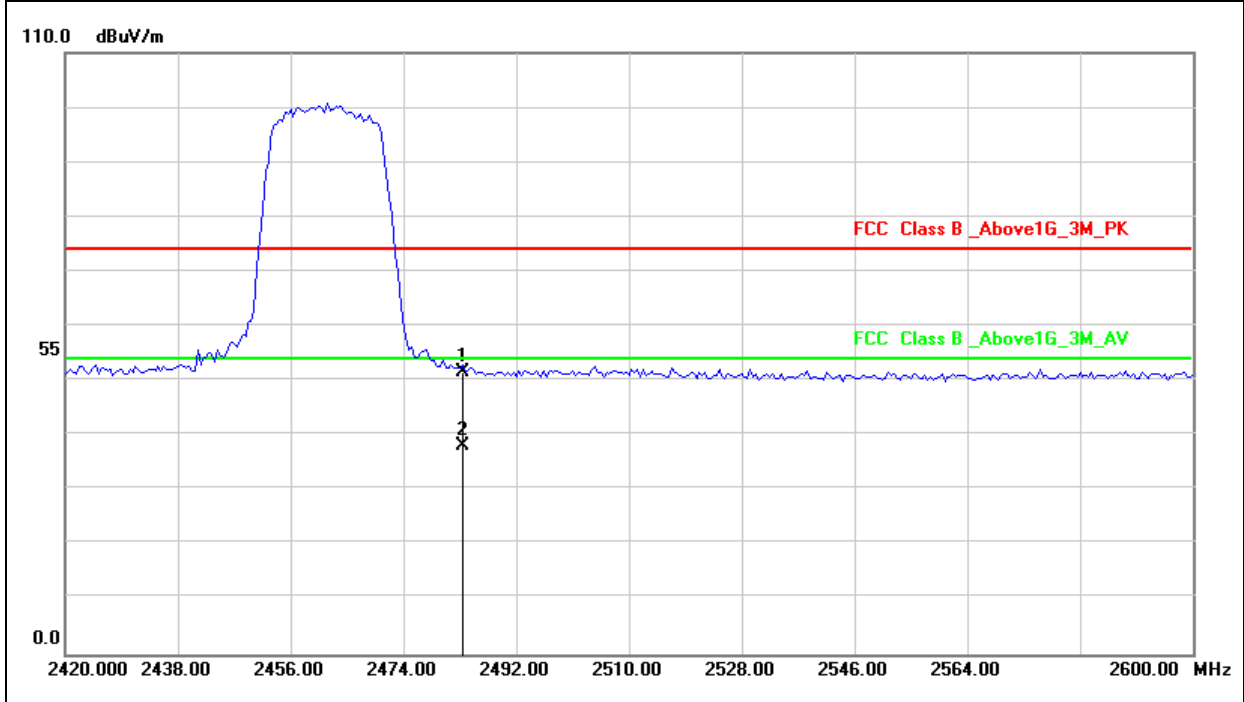
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-2.48	65.39	62.91	74.00	-11.09	peak
2	2483.500	-2.48	51.13	48.65	54.00	-5.35	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11n HT20, CH11		



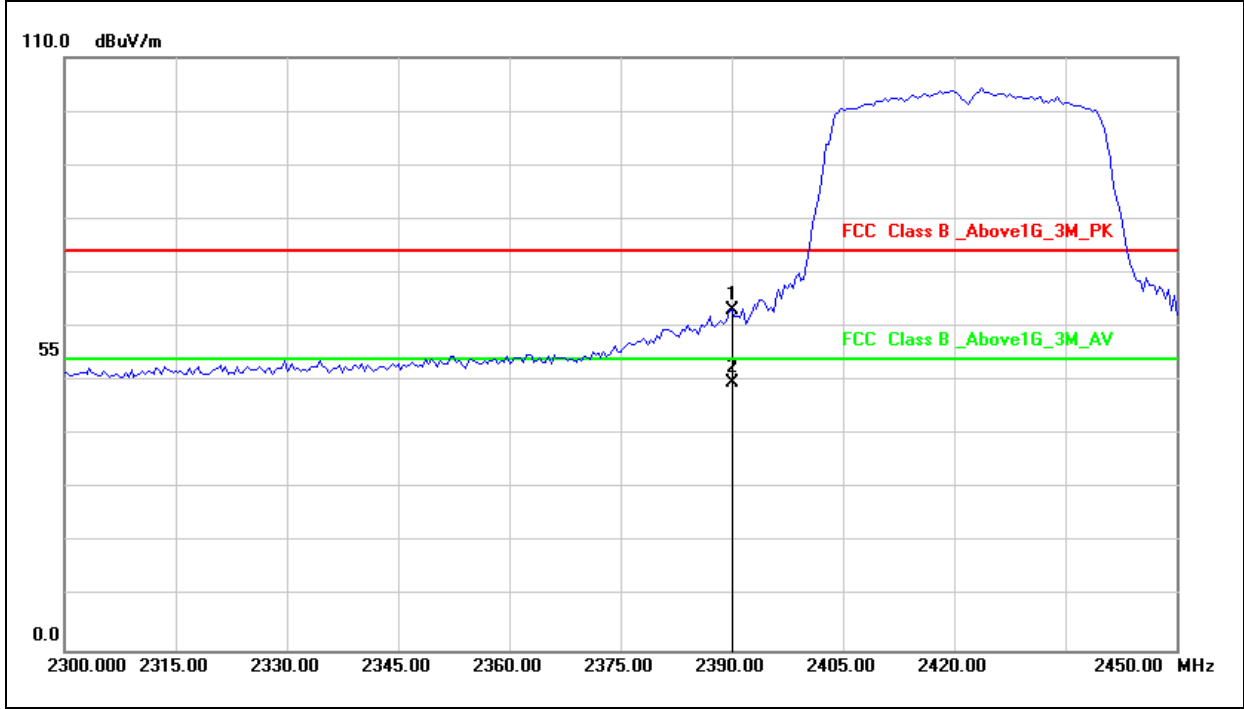
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-2.48	53.95	51.47	74.00	-22.53	peak
2	2483.500	-2.48	40.67	38.19	54.00	-15.81	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11n HT40, CH03		



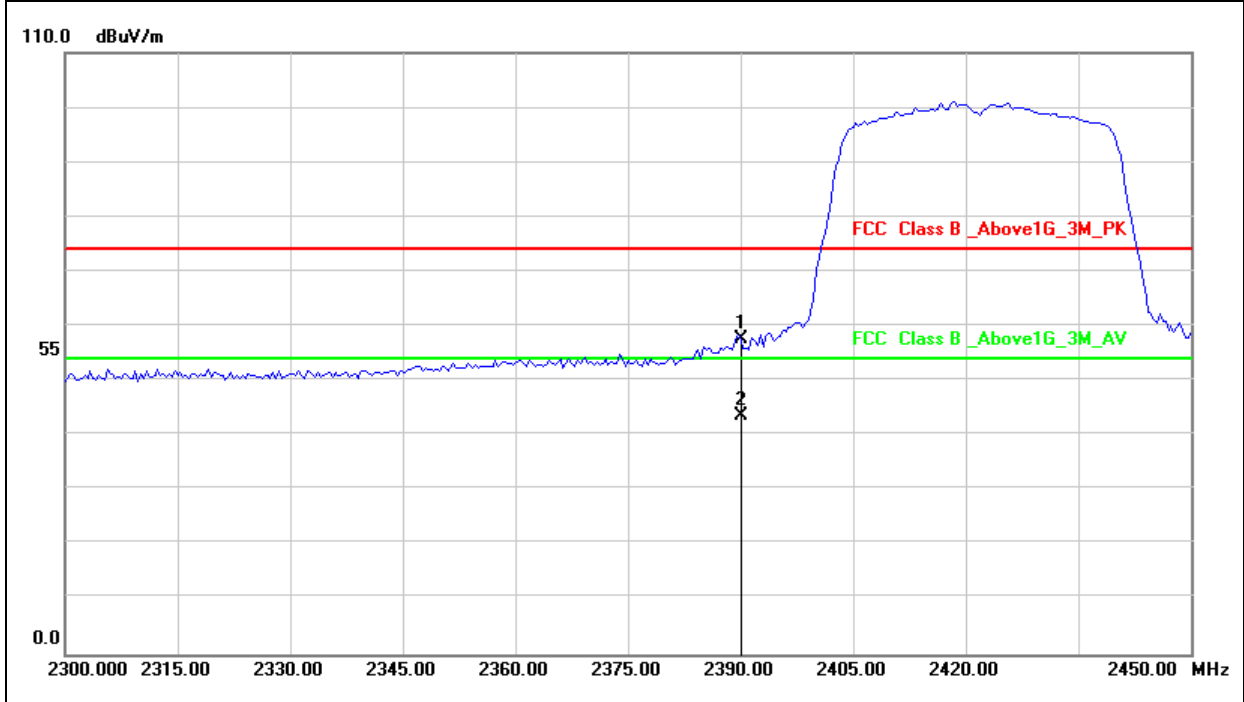
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-2.72	65.77	63.05	74.00	-10.95	peak
2	2390.000	-2.72	52.35	49.63	54.00	-4.37	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11n HT40, CH03		



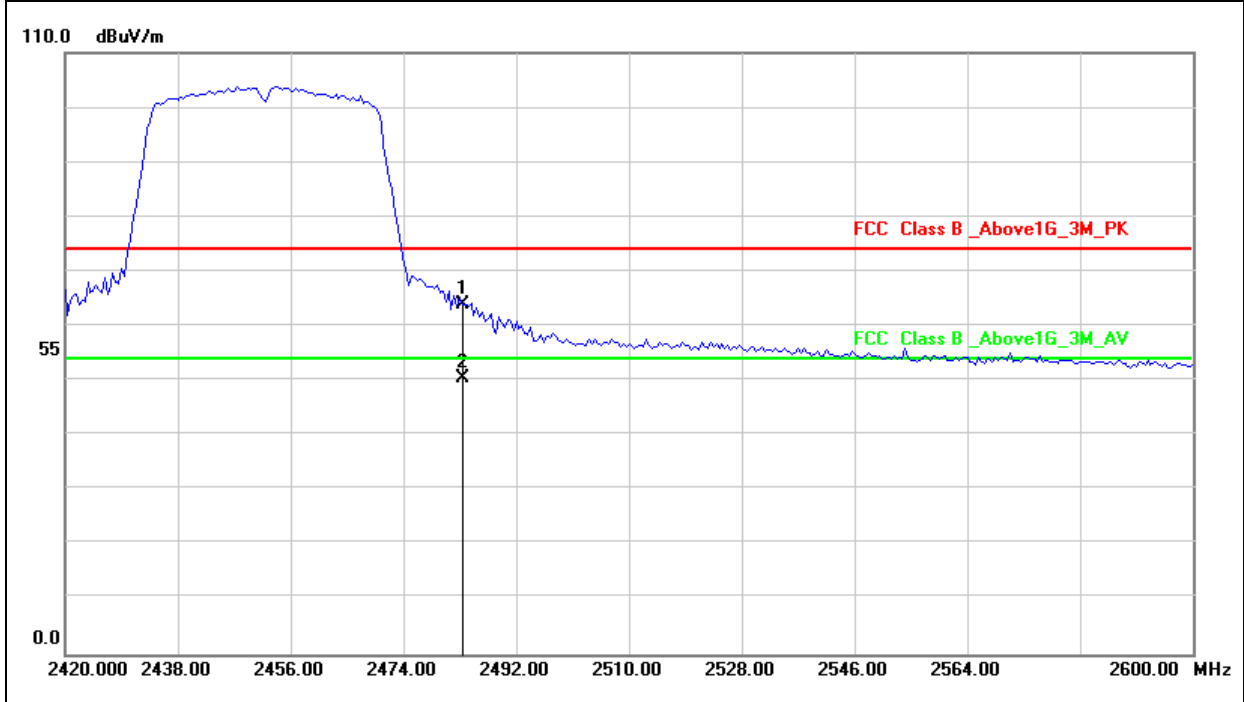
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-2.72	60.39	57.67	74.00	-16.33	peak
2	2390.000	-2.72	46.26	43.54	54.00	-10.46	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11n HT40, CH09		



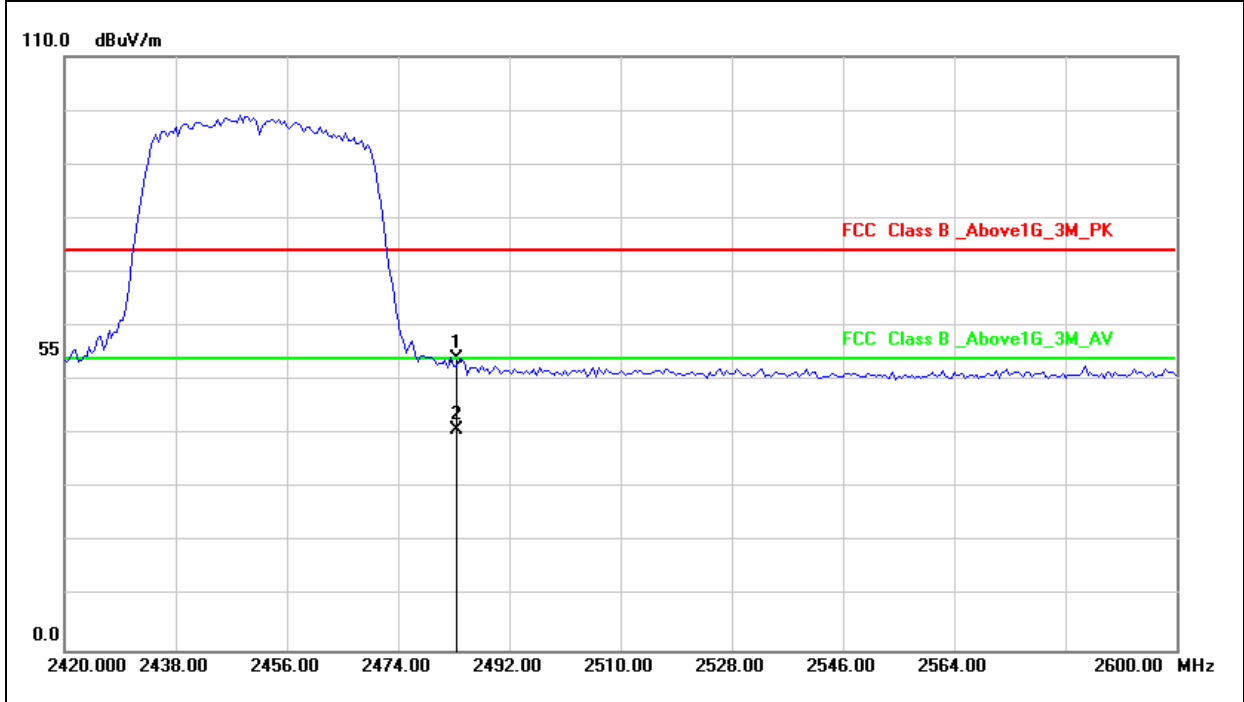
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-2.48	66.55	64.07	74.00	-9.93	peak
2	2483.500	-2.48	52.89	50.41	54.00	-3.59	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11n HT40, CH09		



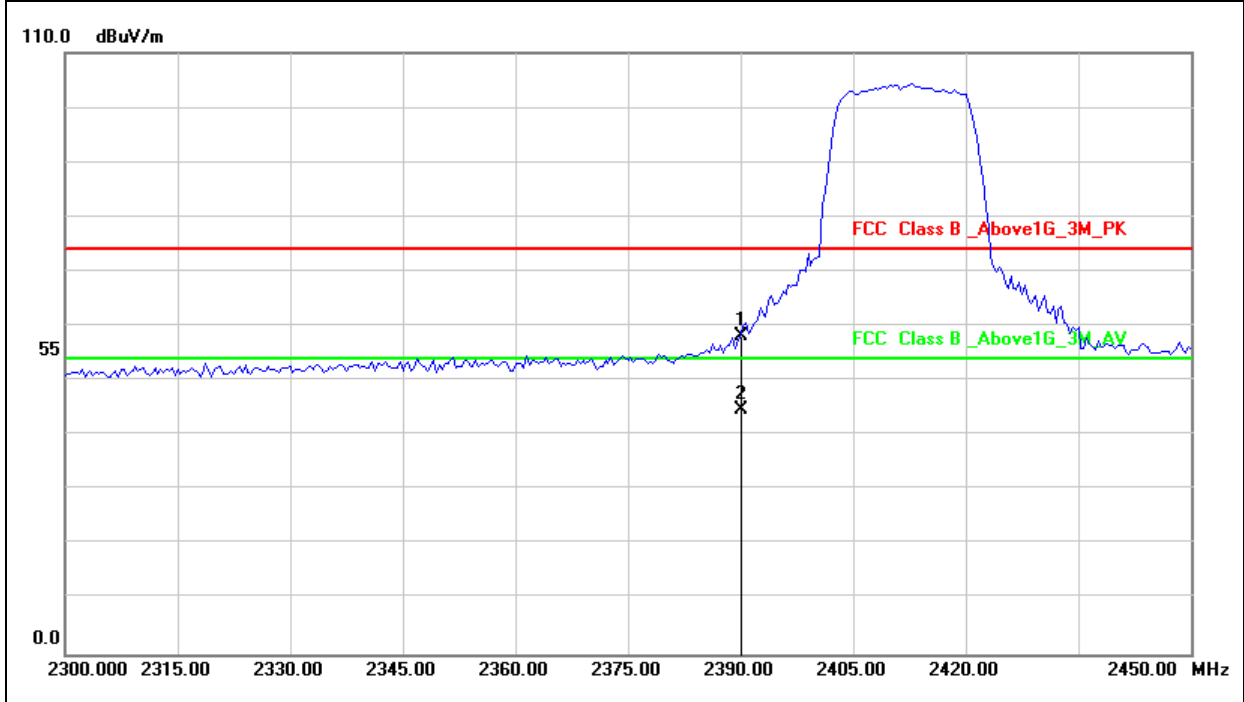
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-2.48	56.56	54.08	74.00	-19.92	peak
2	2483.500	-2.48	43.30	40.82	54.00	-13.18	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11ax HE20, CH01		



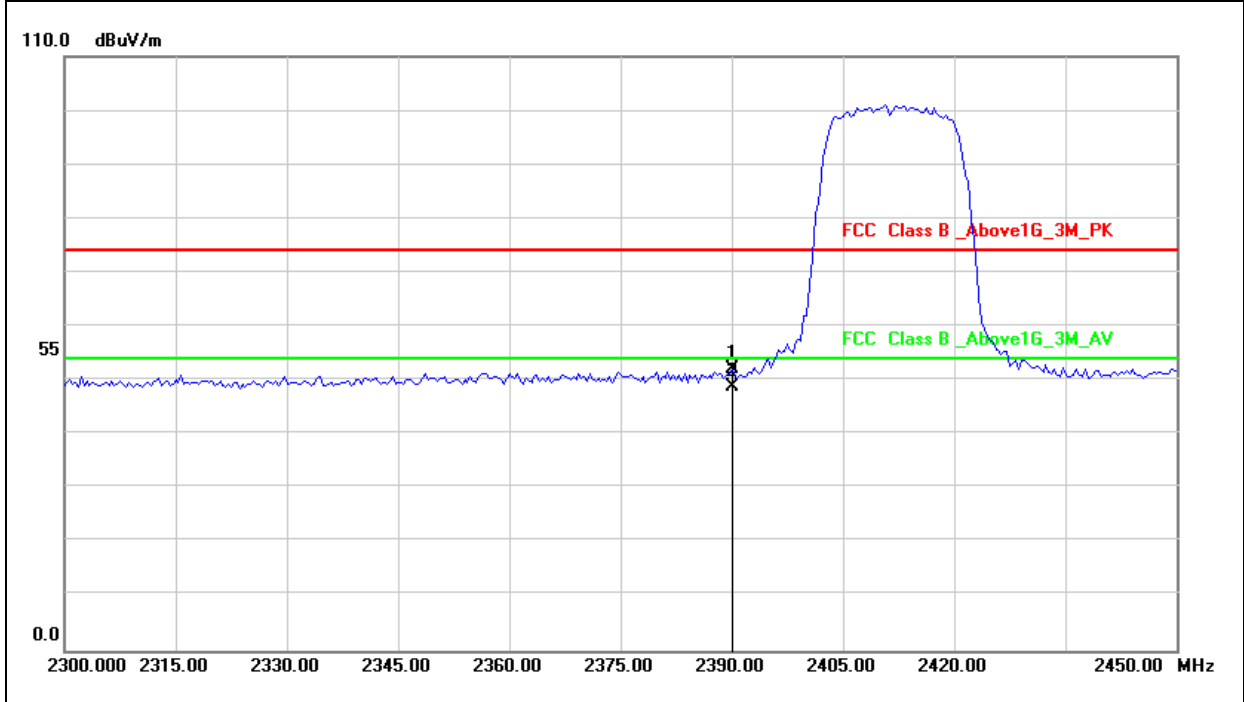
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-30.02	88.32	58.30	74.00	-15.70	peak
2	2390.000	-30.02	74.64	44.62	54.00	-9.38	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11ax HE20, CH01		



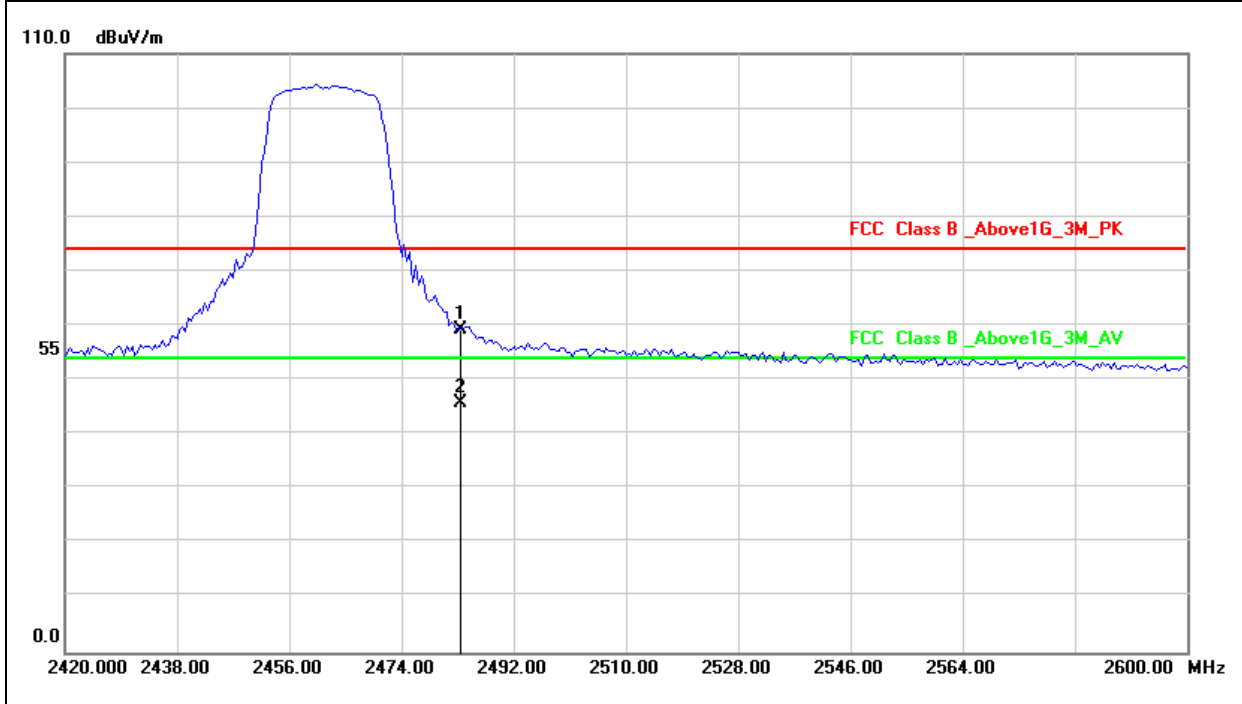
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-30.02	82.03	52.01	74.00	-21.99	peak
2	2390.000	-30.02	78.87	48.85	54.00	-5.15	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11ax HE20, CH11		



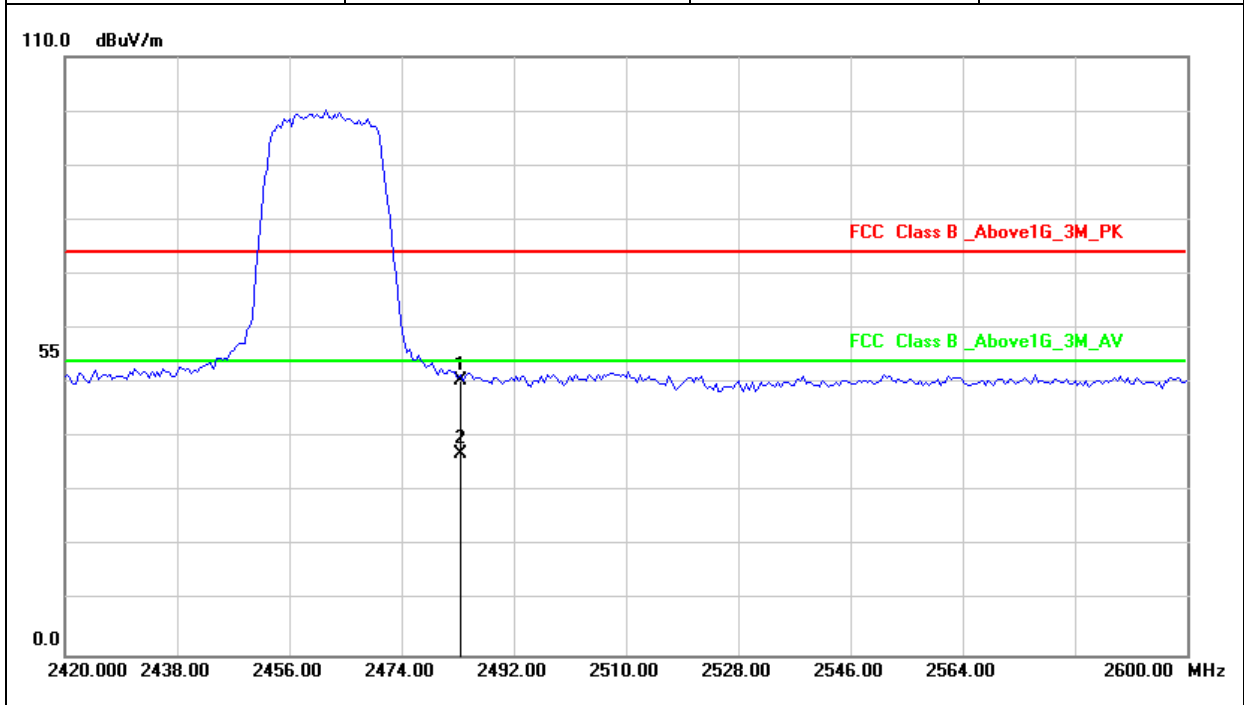
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-29.95	89.32	59.37	74.00	-14.63	peak
2	2483.500	-29.95	75.63	45.68	54.00	-8.32	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11ax HE20, CH11		



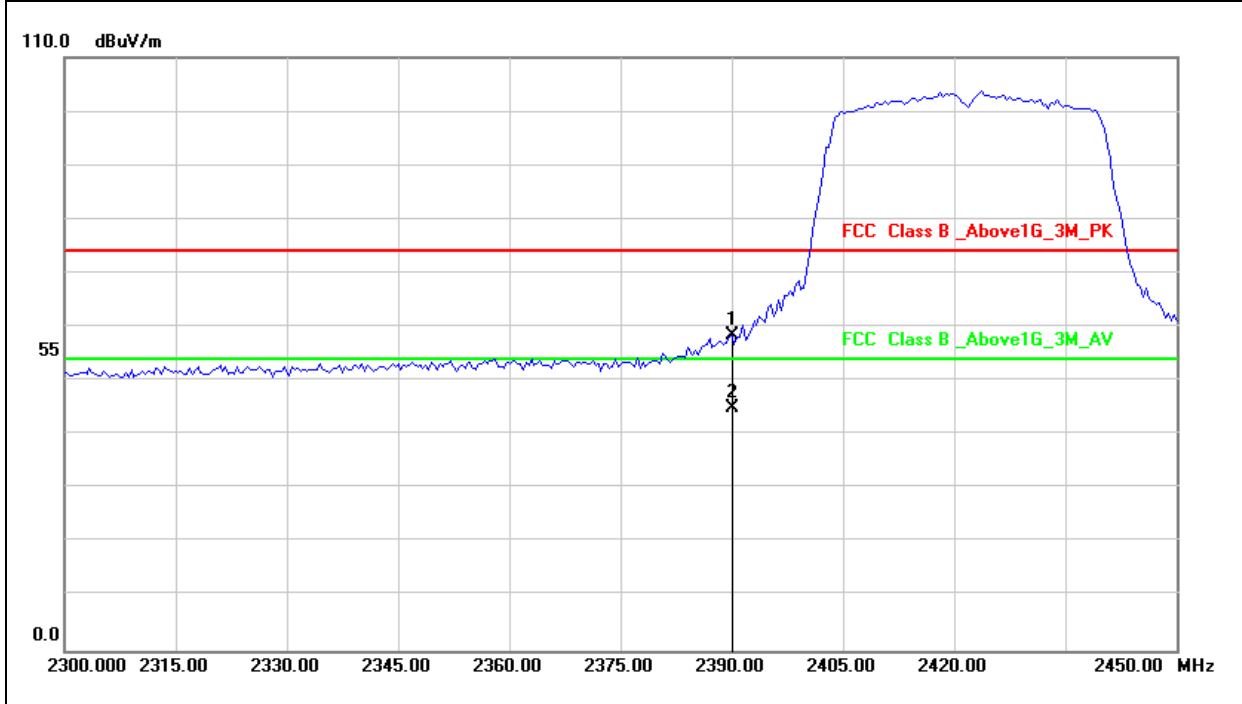
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-29.95	80.40	50.45	74.00	-23.55	peak
2	2483.500	-29.95	66.93	36.98	54.00	-17.02	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11ax HE40, CH03		



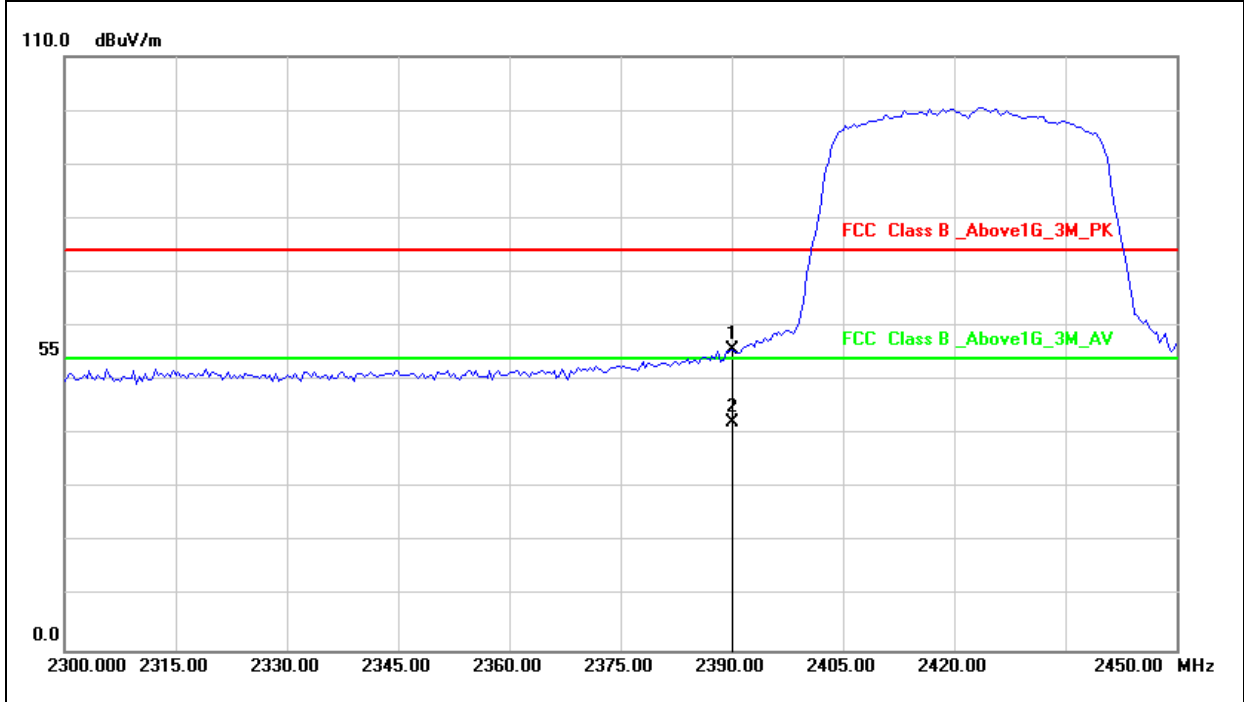
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-30.02	88.55	58.53	74.00	-15.47	peak
2	2390.000	-30.02	75.07	45.05	54.00	-8.95	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11ax HE40, CH03		



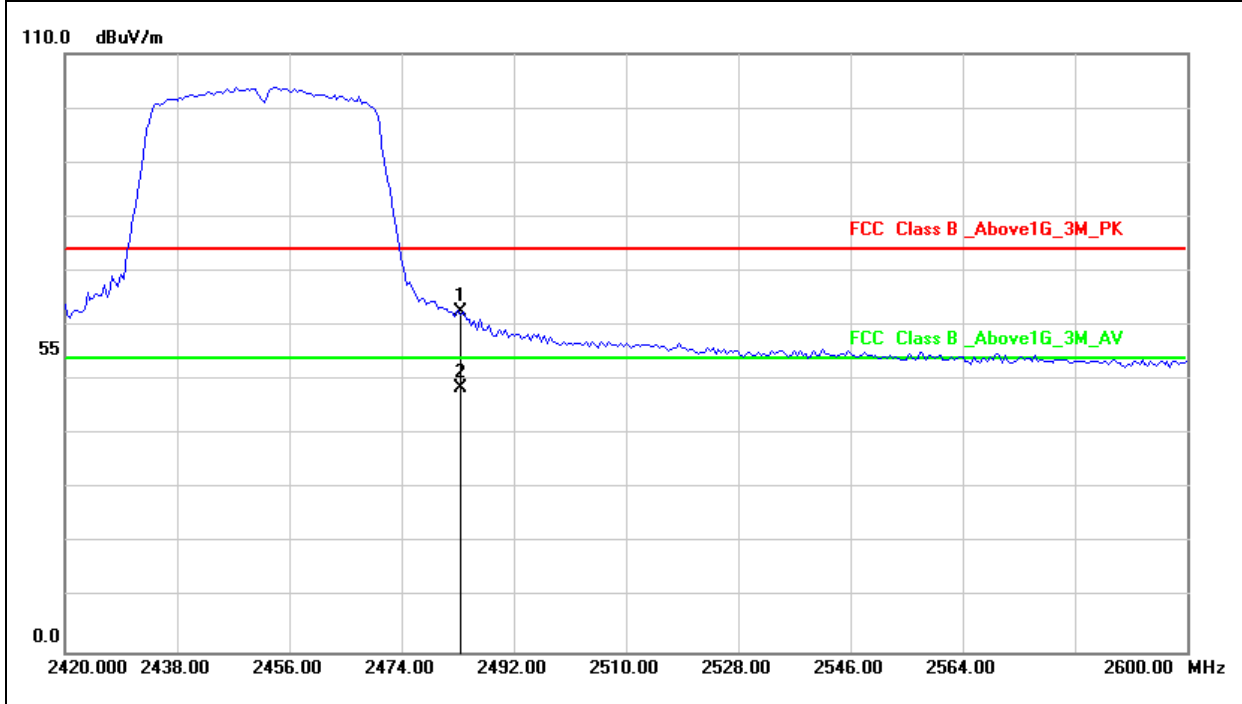
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-30.02	85.67	55.65	74.00	-18.35	peak
2	2390.000	-30.02	72.33	42.31	54.00	-11.69	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11ax HE40, CH09		



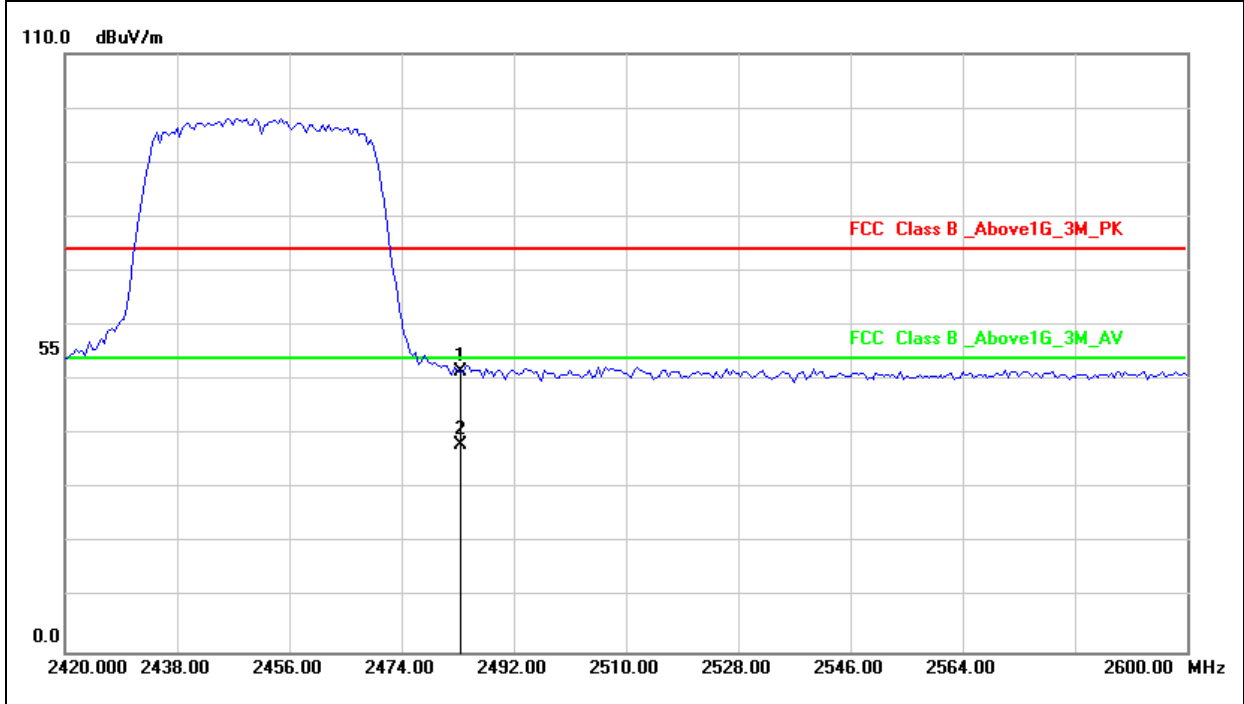
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-29.95	92.48	62.53	74.00	-11.47	peak
2	2483.500	-29.95	78.60	48.65	54.00	-5.35	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11ax HE40, CH09		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-29.95	81.48	51.53	74.00	-22.47	peak
2	2483.500	-29.95	68.00	38.05	54.00	-15.95	AVG

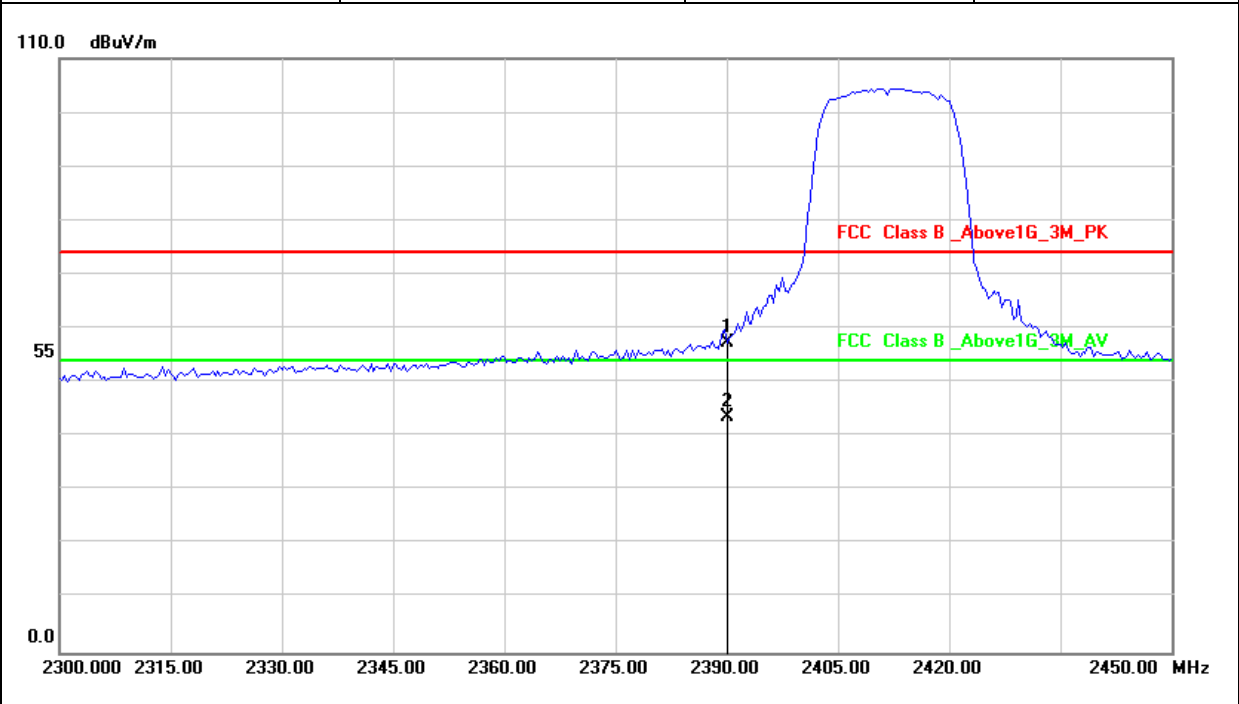
Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



MIMO (ANT A+B)

Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11n HT20, CH01		



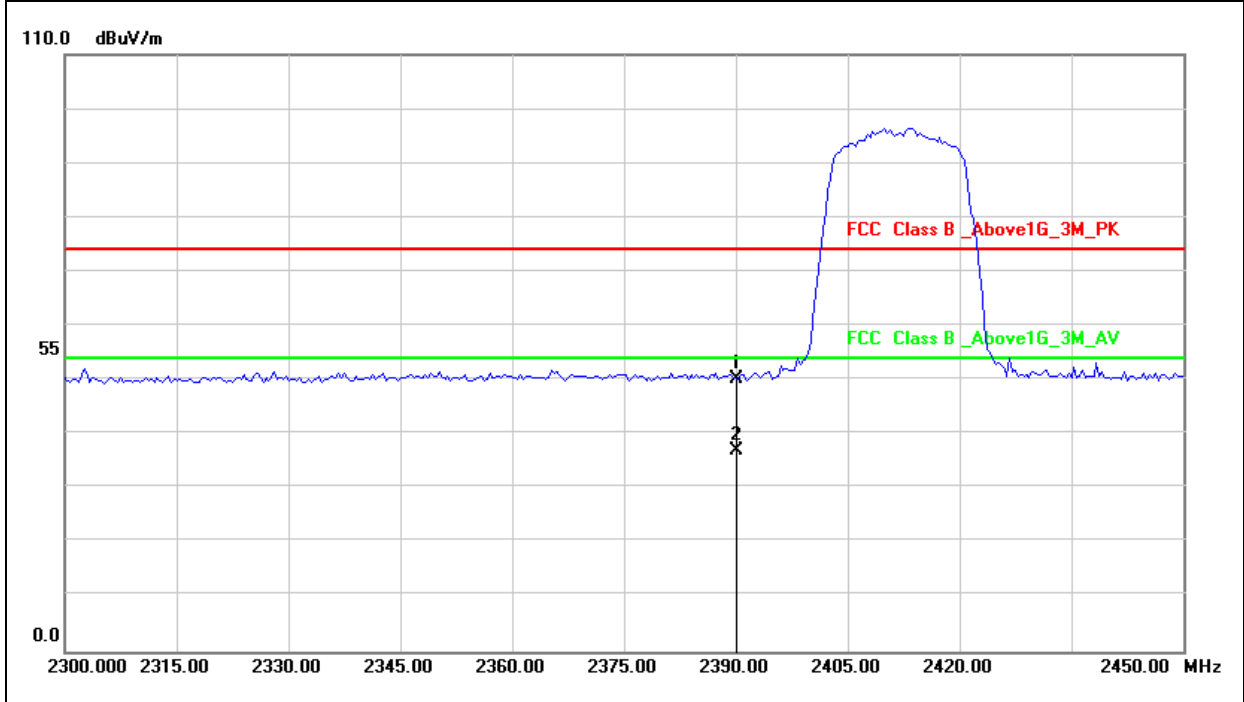
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-2.72	60.18	57.46	74.00	-16.54	peak
2	2390.000	-2.72	46.26	43.54	54.00	-10.46	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11n HT20, CH01		



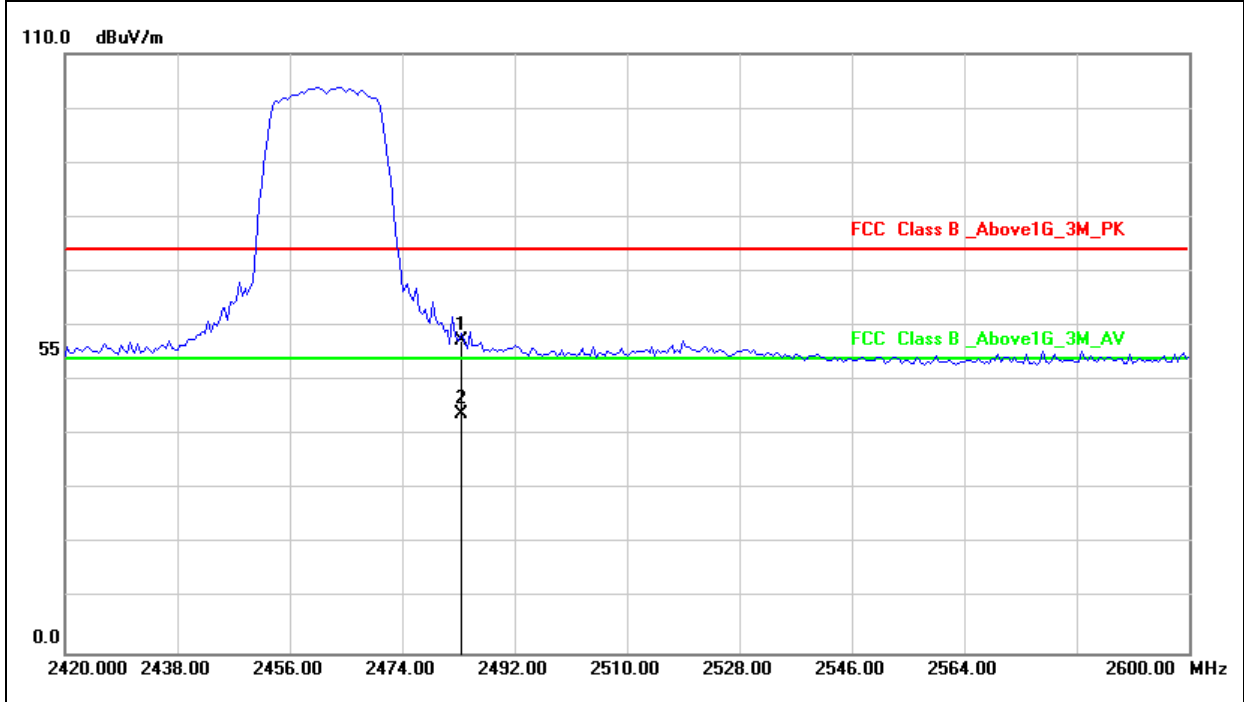
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-2.72	52.85	50.13	74.00	-23.87	peak
2	2390.000	-2.72	39.78	37.06	54.00	-16.94	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11n HT20, CH11		



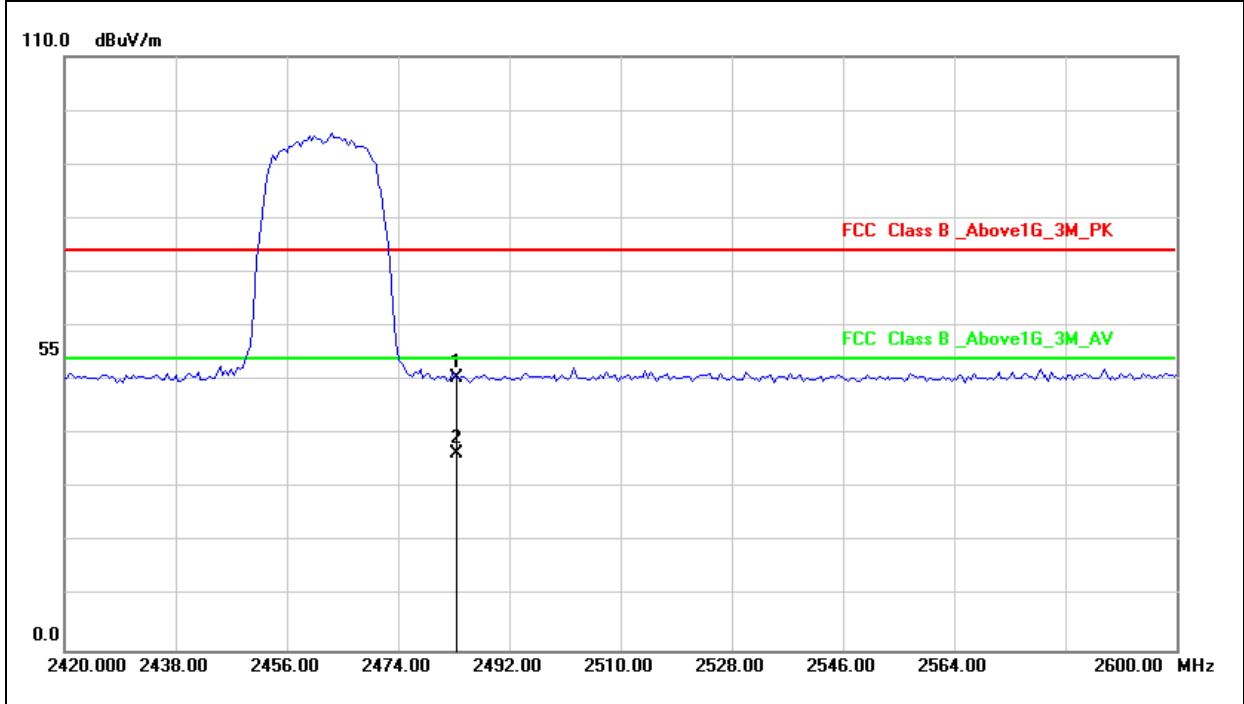
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-2.48	59.81	57.33	74.00	-16.67	peak
2	2483.500	-2.48	46.34	43.86	54.00	-10.14	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11n HT20, CH11		



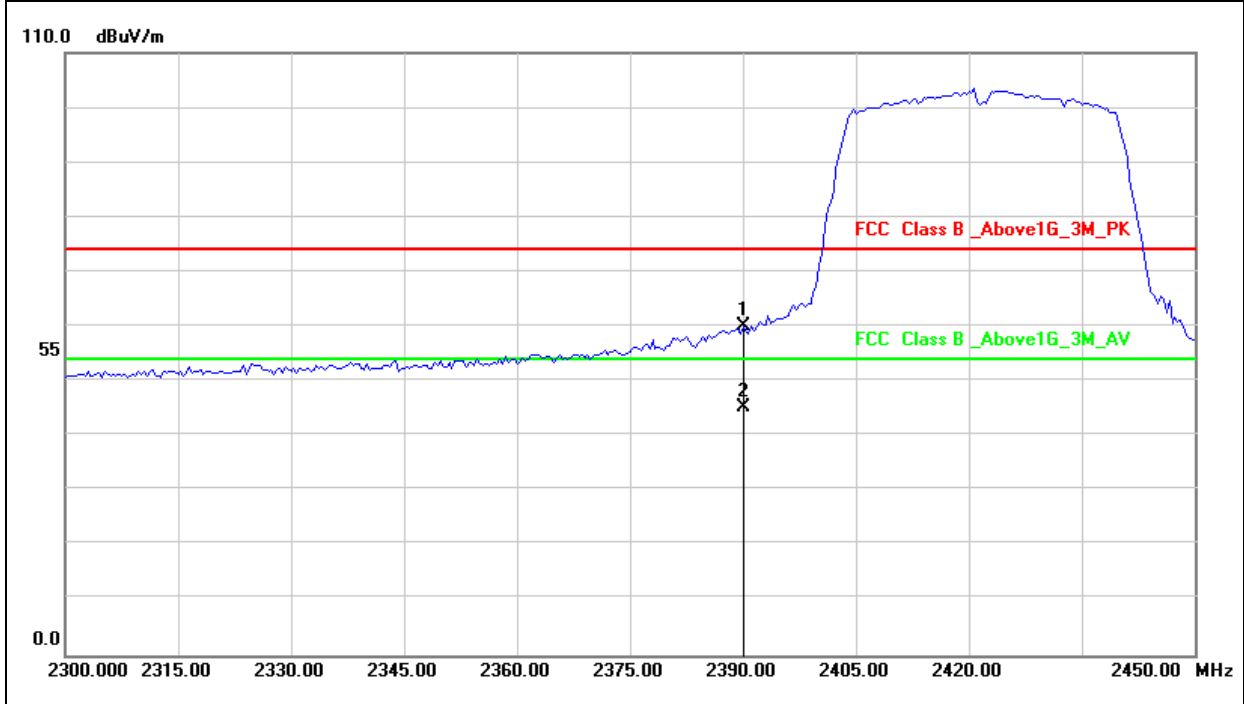
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-2.48	52.81	50.33	74.00	-23.67	peak
2	2483.500	-2.48	38.90	36.42	54.00	-17.58	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11n HT40, CH03		



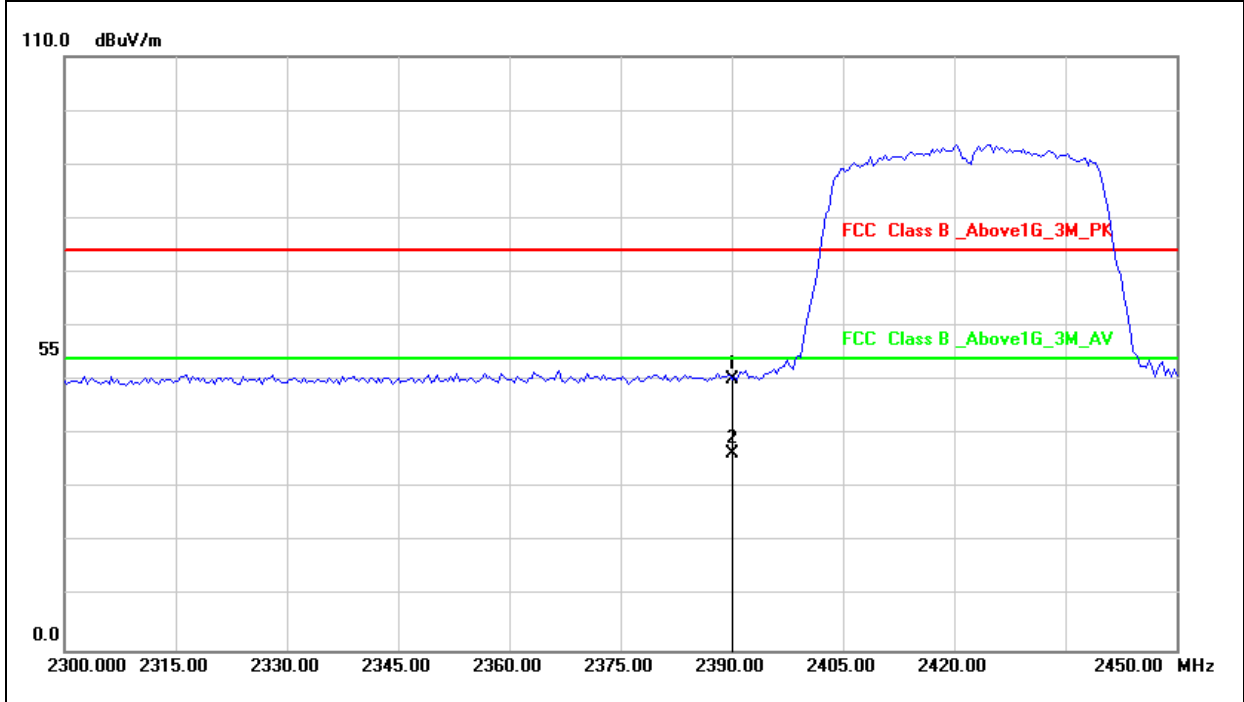
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-2.72	62.70	59.98	74.00	-14.02	peak
2	2390.000	-2.72	48.07	45.35	54.00	-8.65	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11n HT40, CH03		



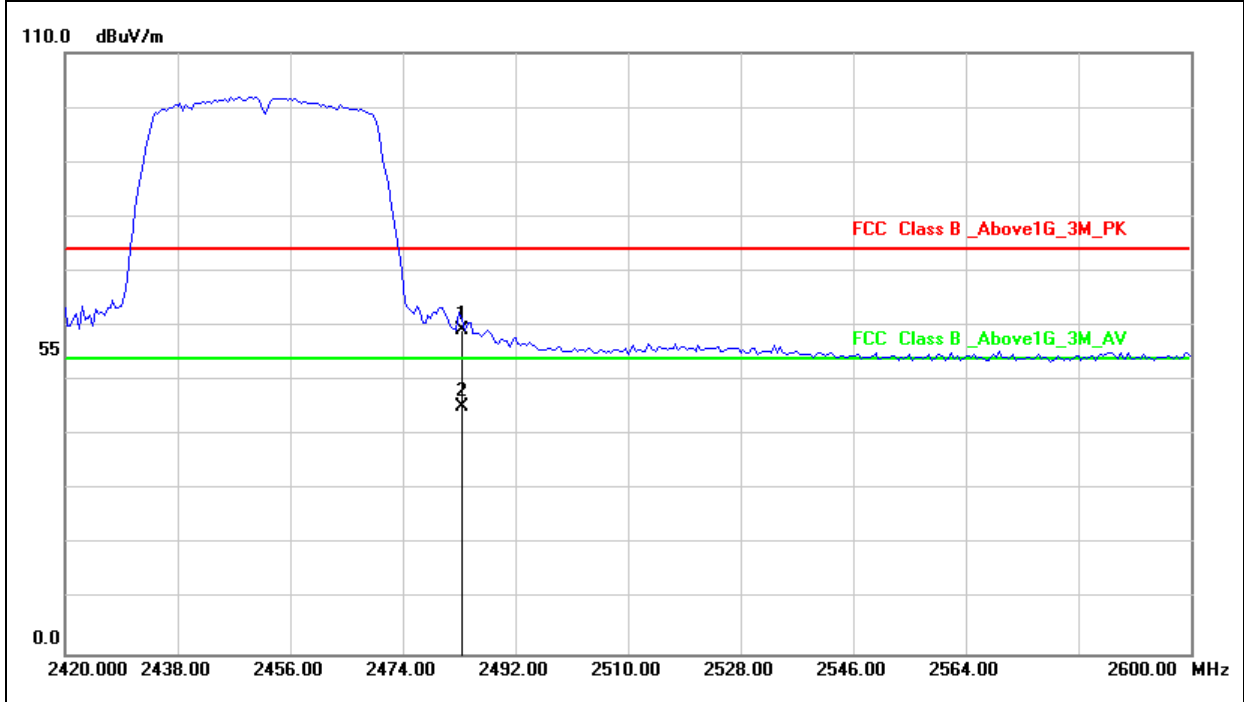
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-2.72	52.98	50.26	74.00	-23.74	peak
2	2390.000	-2.72	39.20	36.48	54.00	-17.52	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11n HT40, CH09		



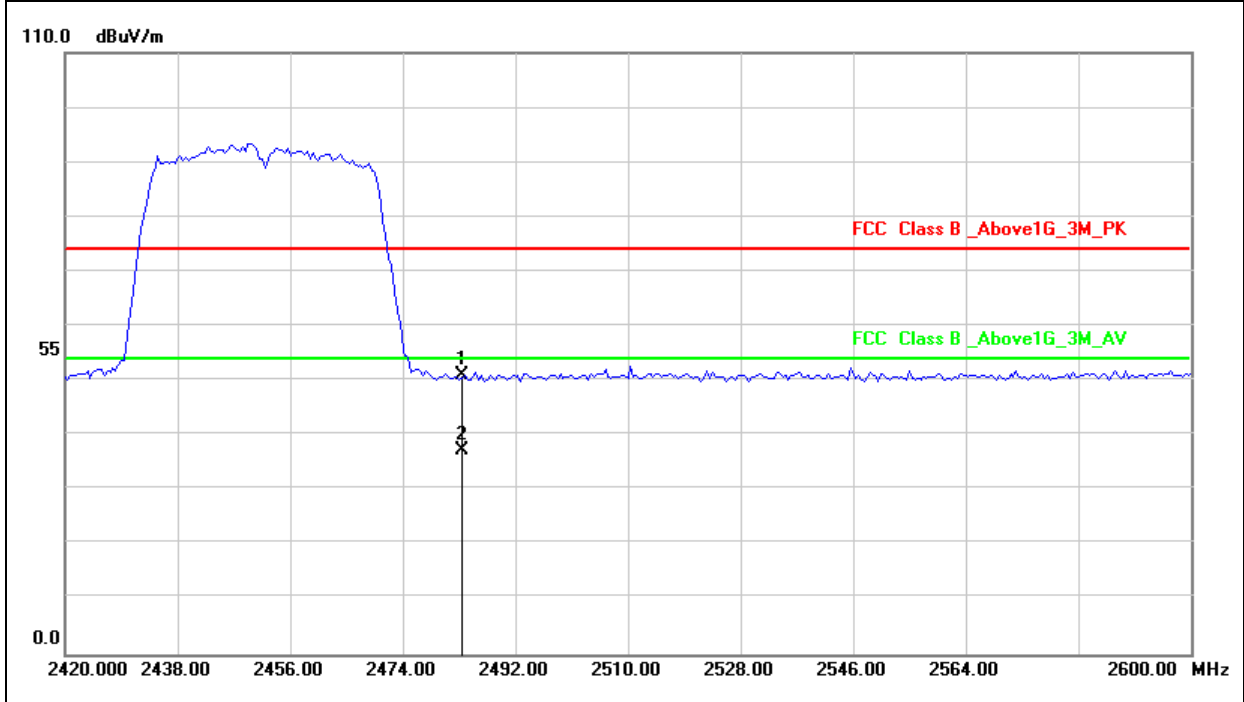
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-2.48	61.74	59.26	74.00	-14.74	peak
2	2483.500	-2.48	47.63	45.15	54.00	-8.85	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11n HT40, CH09		



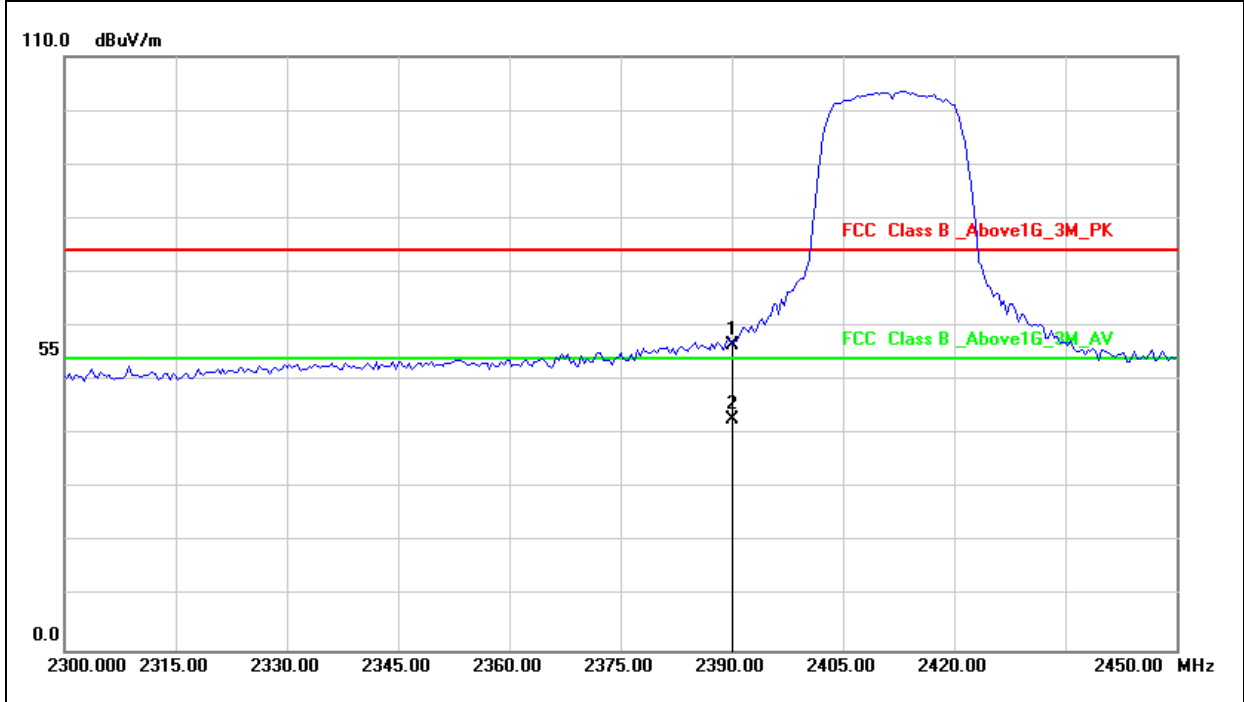
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-2.48	53.49	51.01	74.00	-22.99	peak
2	2483.500	-2.48	39.72	37.24	54.00	-16.76	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11ax HE20, CH01		



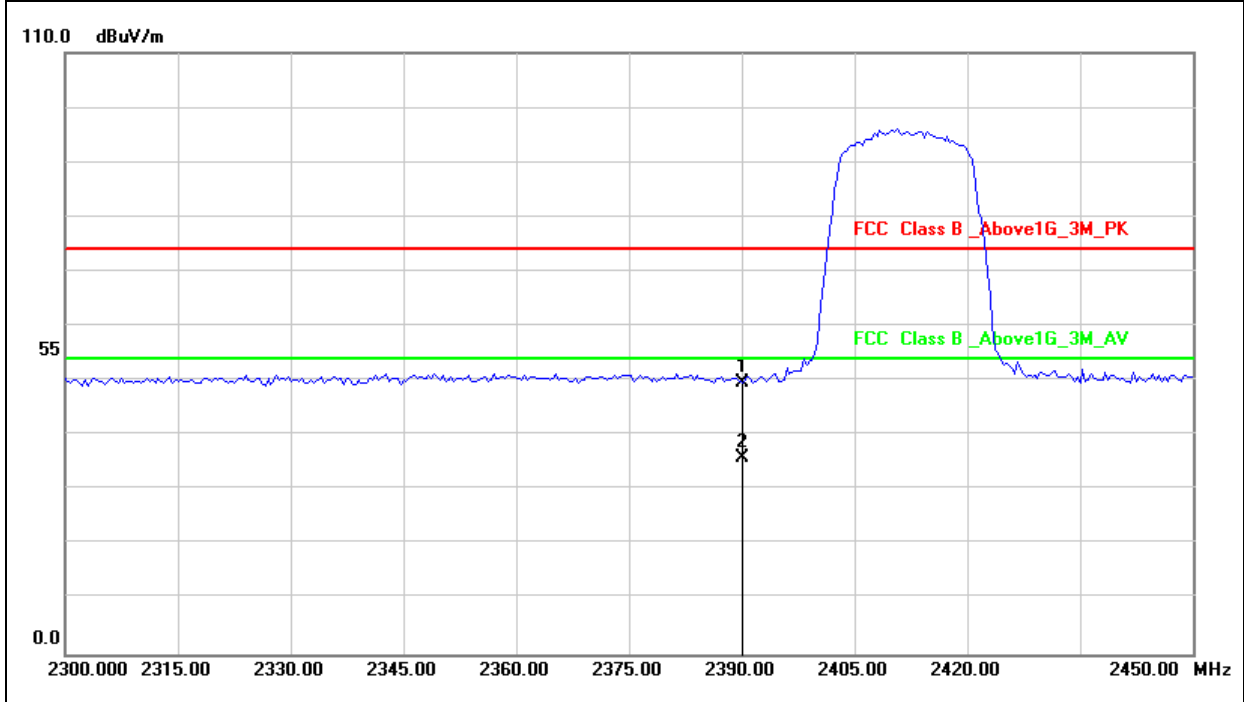
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-30.02	86.45	56.43	74.00	-17.57	peak
2	2390.000	-30.02	72.67	42.65	54.00	-11.35	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11ax HE20, CH01		



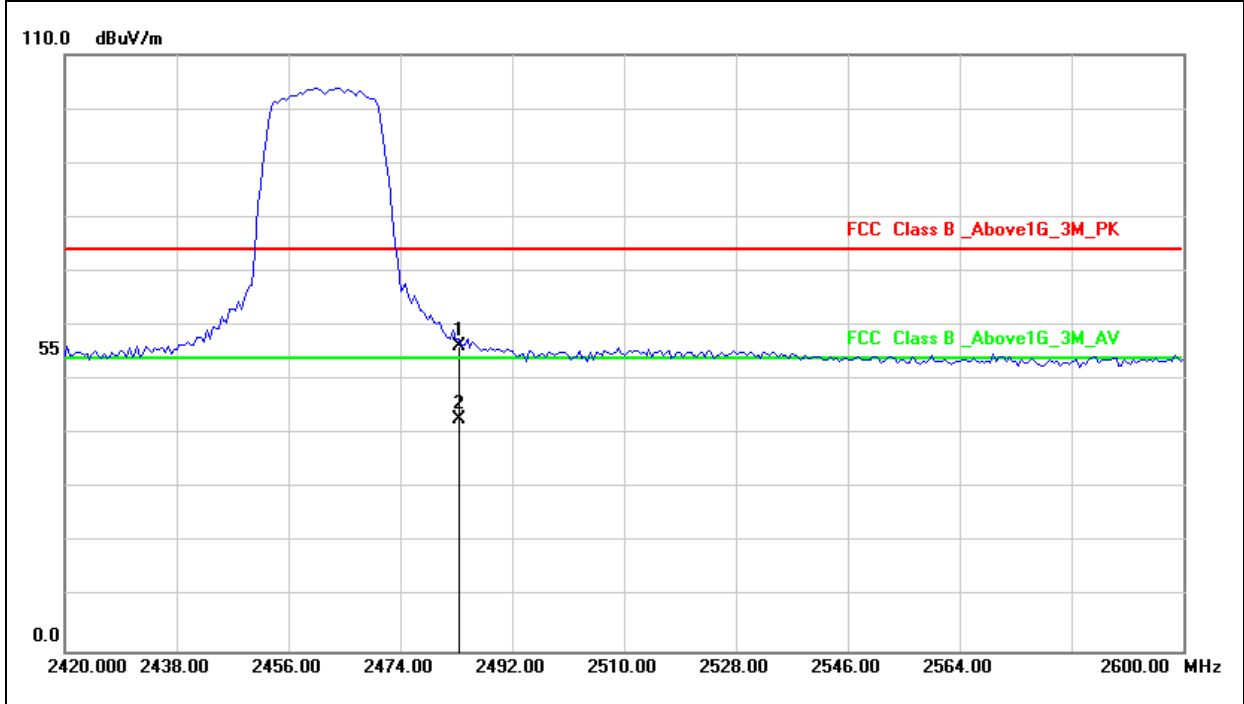
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-30.02	79.61	49.59	74.00	-24.41	peak
2	2390.000	-30.02	65.91	35.89	54.00	-18.11	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11ax HE20, CH11		



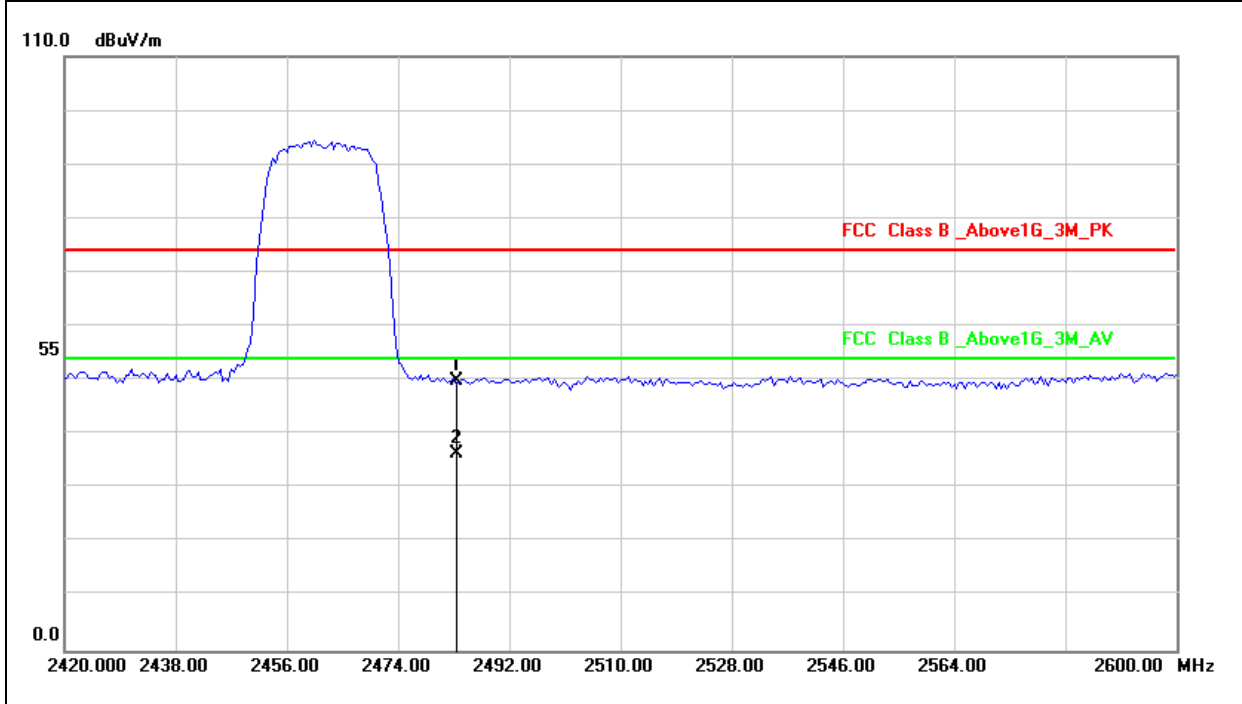
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-29.95	86.27	56.32	74.00	-17.68	peak
2	2483.500	-29.95	72.60	42.65	54.00	-11.35	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11ax HE20, CH11		



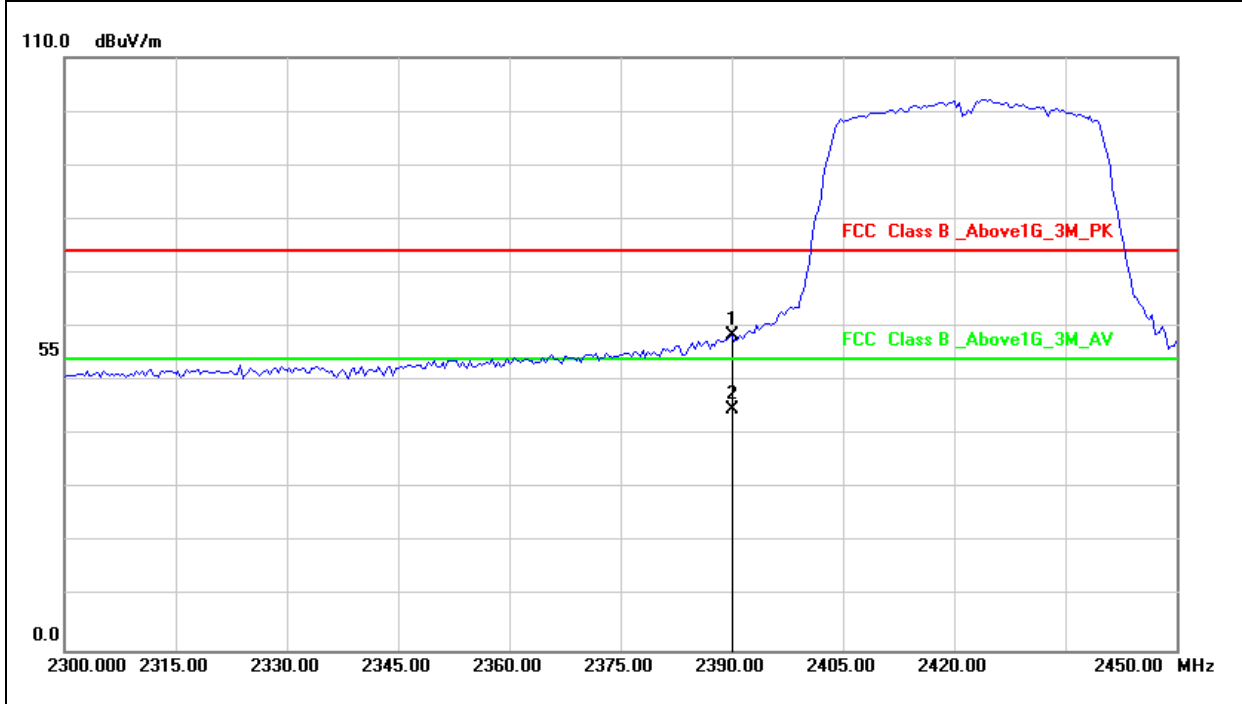
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-29.95	79.75	49.80	74.00	-24.20	peak
2	2483.500	-29.95	66.27	36.32	54.00	-17.68	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11ax HE40, CH03		



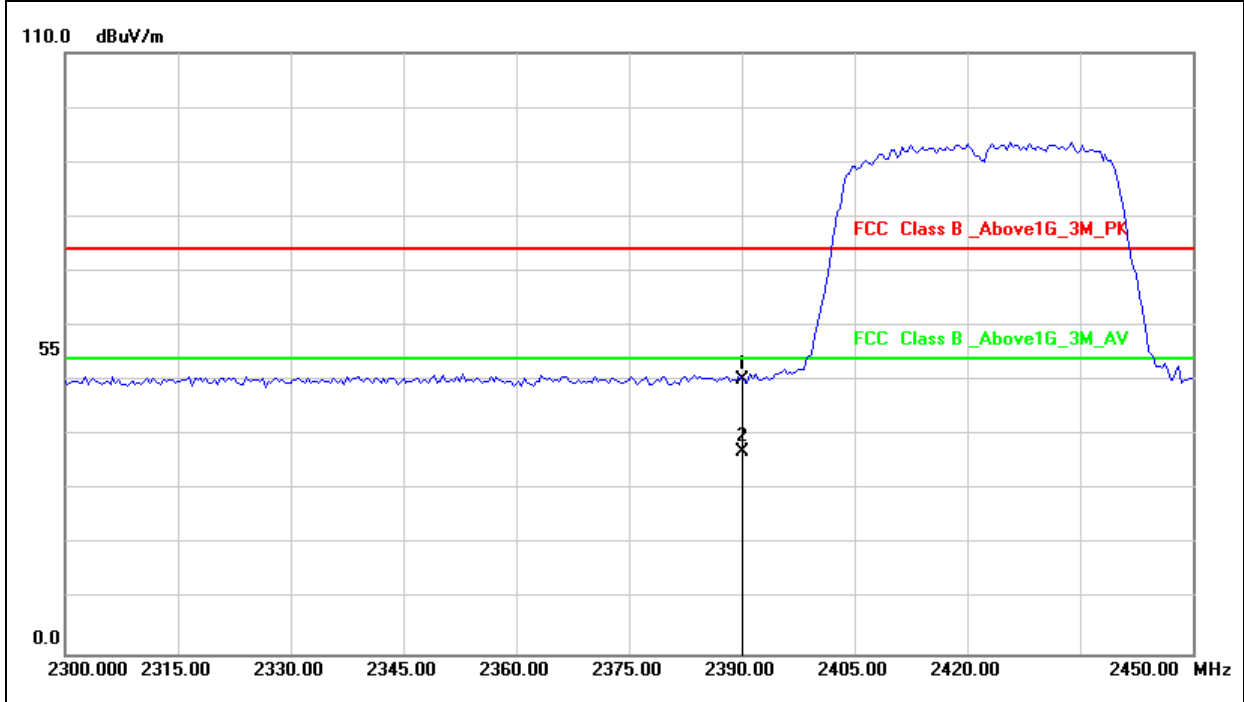
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-30.02	88.44	58.42	74.00	-15.58	peak
2	2390.000	-30.02	74.80	44.78	54.00	-9.22	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11ax HE40, CH03		



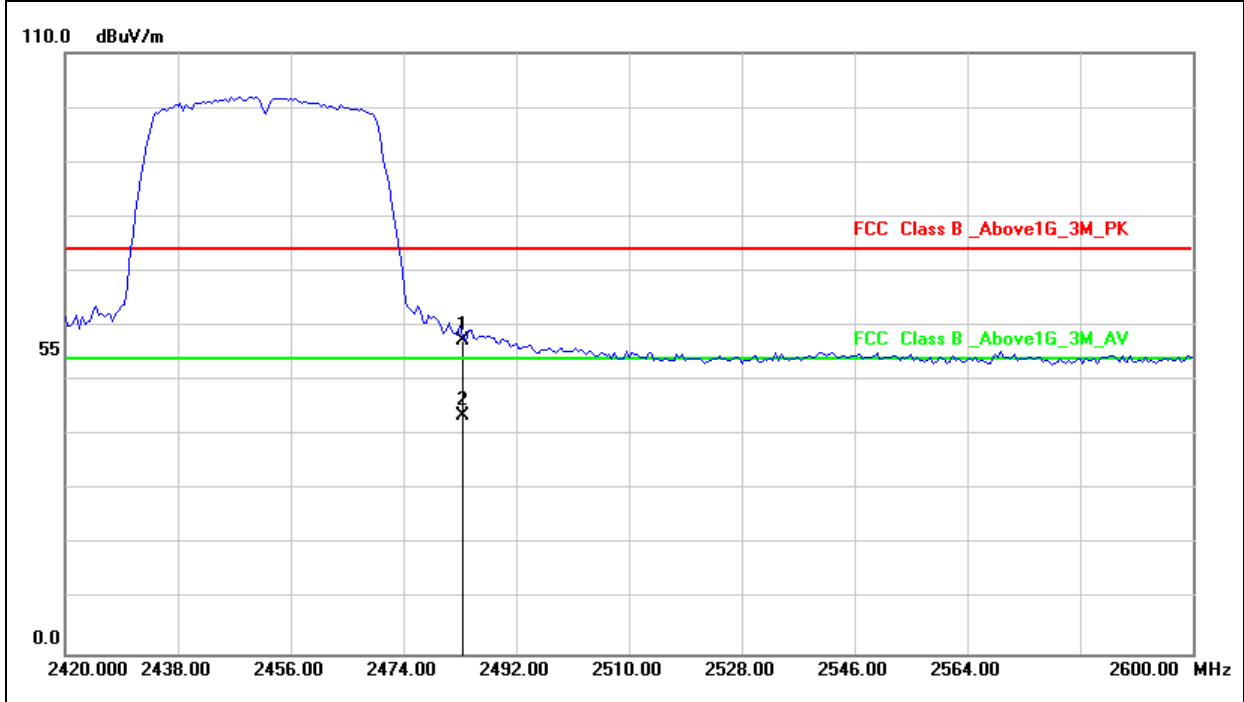
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	-30.02	80.21	50.19	74.00	-23.81	peak
2	2390.000	-30.02	66.88	36.86	54.00	-17.14	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: VERTICAL
Test Mode	: 802.11ax HE40, CH09		



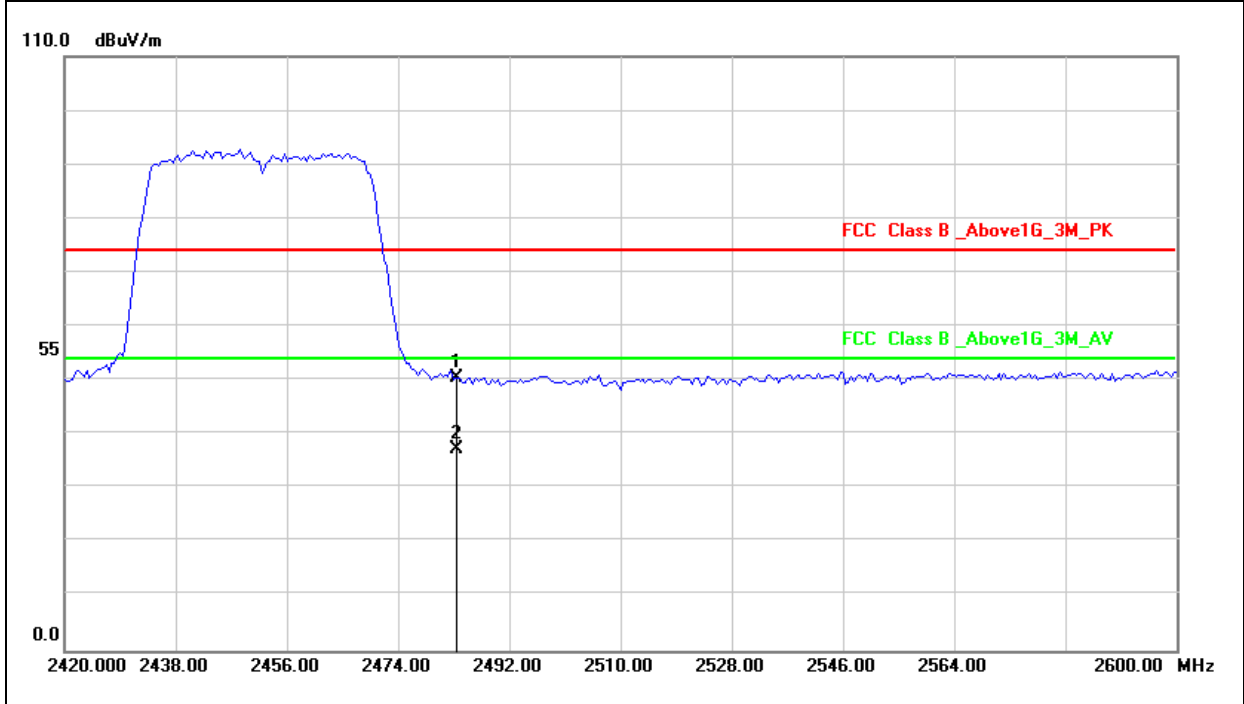
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-29.95	87.19	57.24	74.00	-16.76	peak
2	2483.500	-29.95	73.42	43.47	54.00	-10.53	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: 802.11ax HE40, CH09		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	-29.95	80.43	50.48	74.00	-23.52	peak
2	2483.500	-29.95	67.21	37.26	54.00	-16.74	AVG

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



7. Test of Conducted Spurious Emission

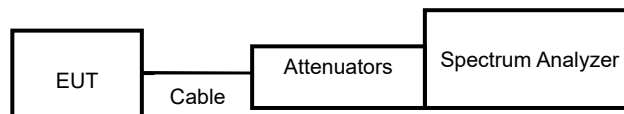
7.1 Test Limit

Below -20dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

7.2 Test Procedure

- The transmitter output was connected to the spectrum analyzer via a low loss cable.
- Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- Peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20dB relative to the maximum measured in-band peak PSD level.
- The band edges was measured and recorded.

7.3 Test Setup Layout



7.4 Test Result and Data

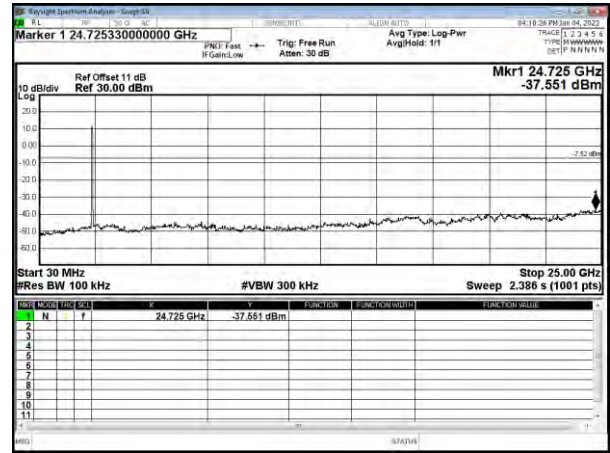
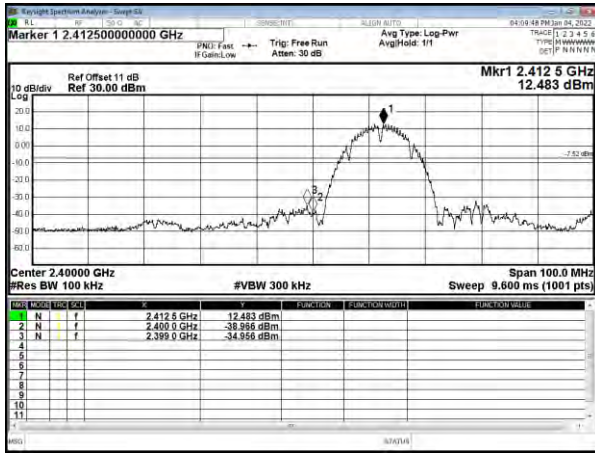
Note: Test plots refers to the following pages.



SISO (ANT A)

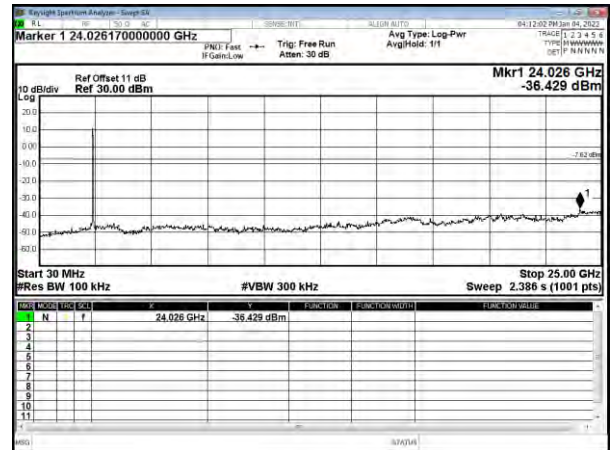
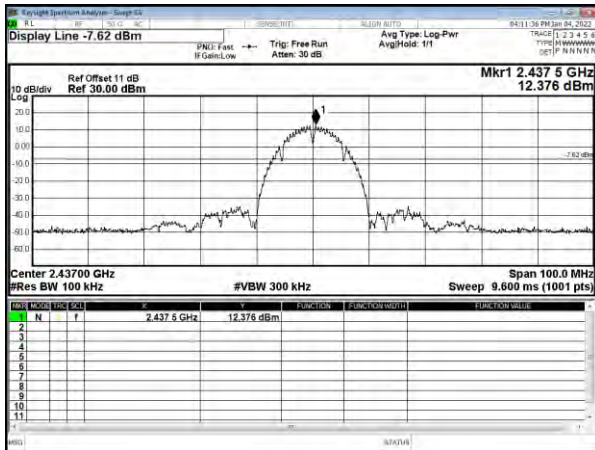
Modulation Standard: 802.11b

Channel: 01



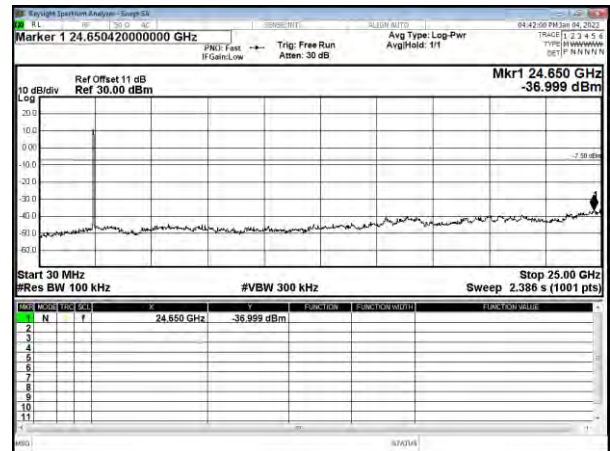
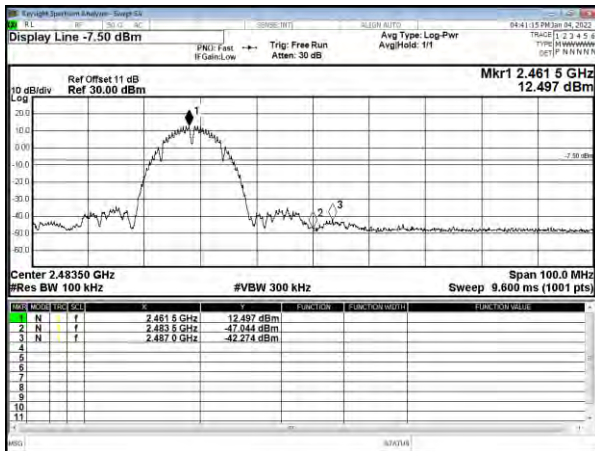
Modulation Standard: 802.11b

Channel: 06



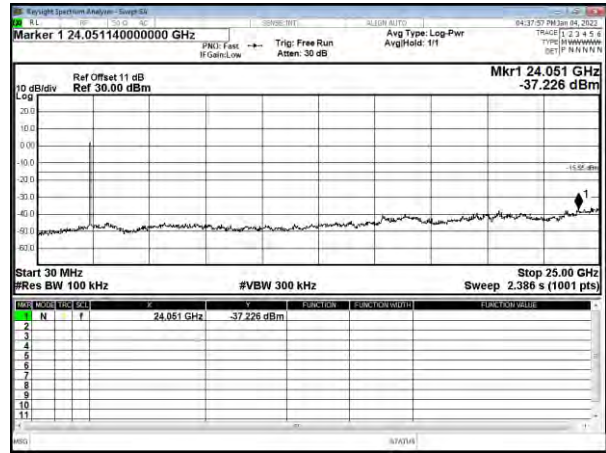
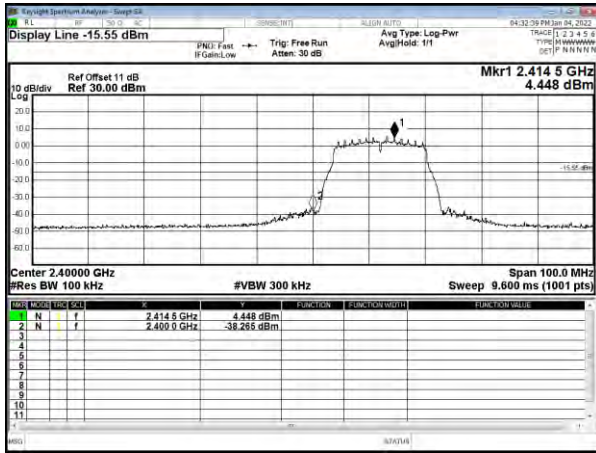
Modulation Standard: 802.11b

Channel: 11

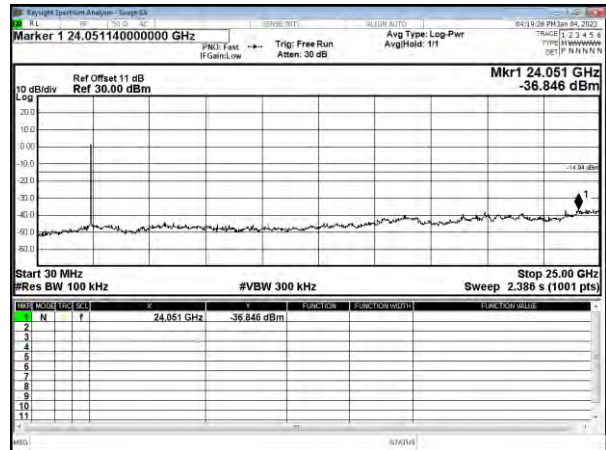
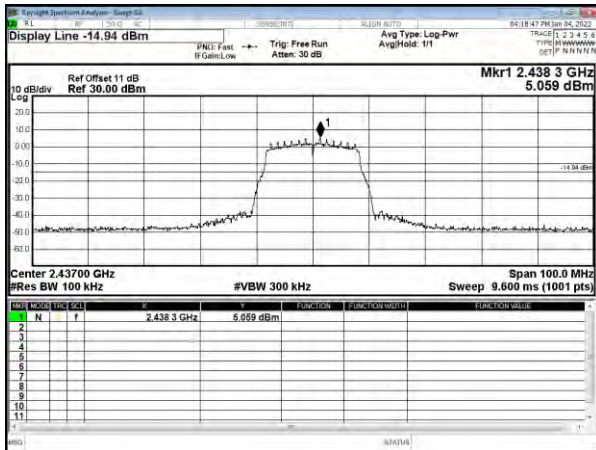




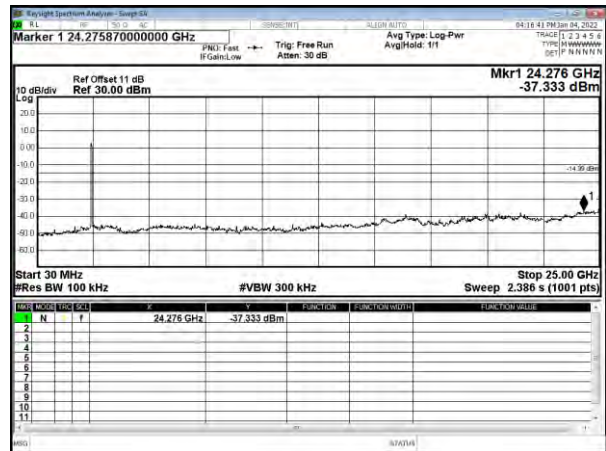
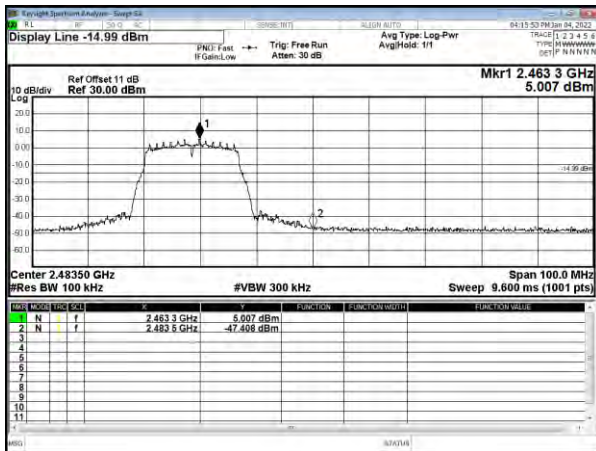
Modulation Standard: 802.11g
Channel: 01



Modulation Standard: 802.11g
Channel: 06

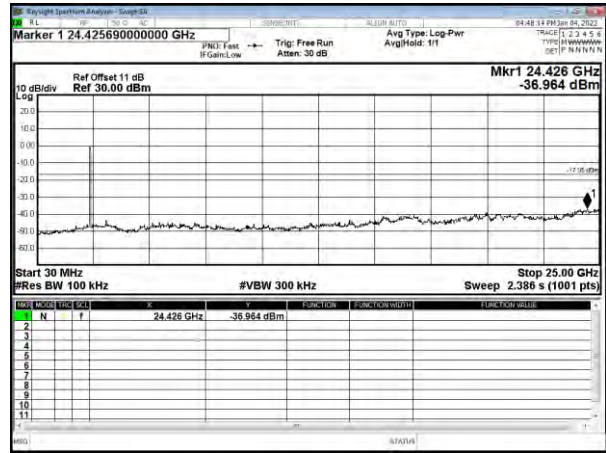
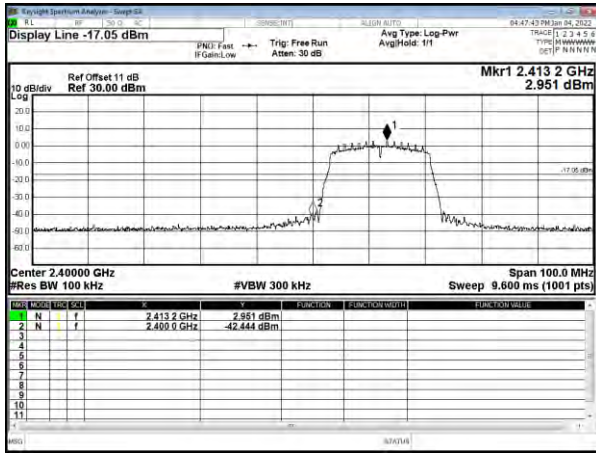


Modulation Standard: 802.11g
Channel: 11

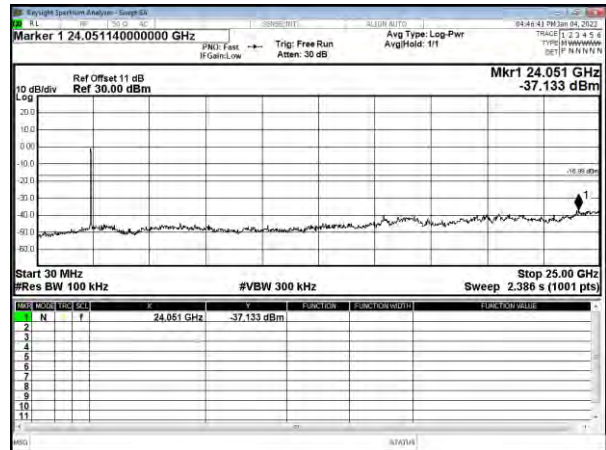
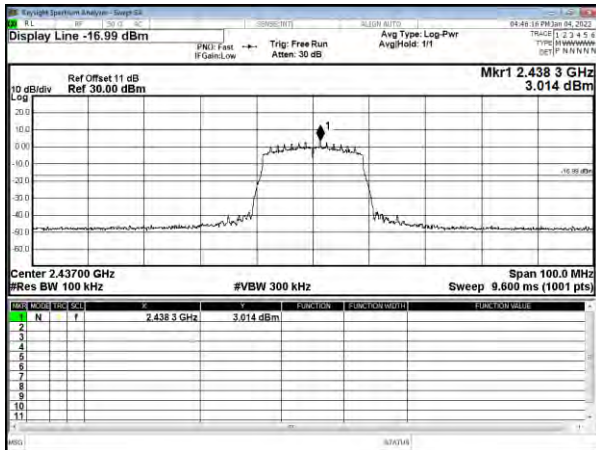




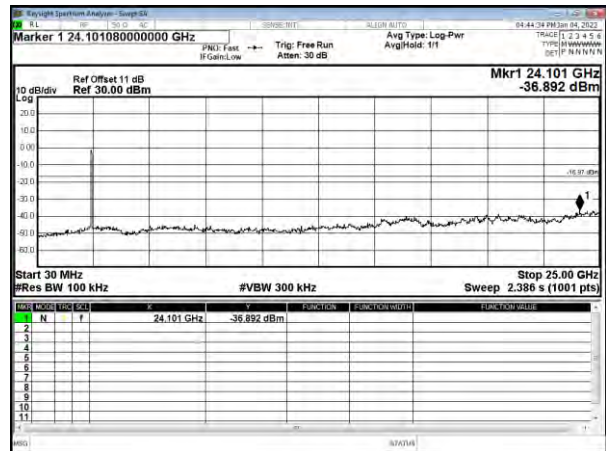
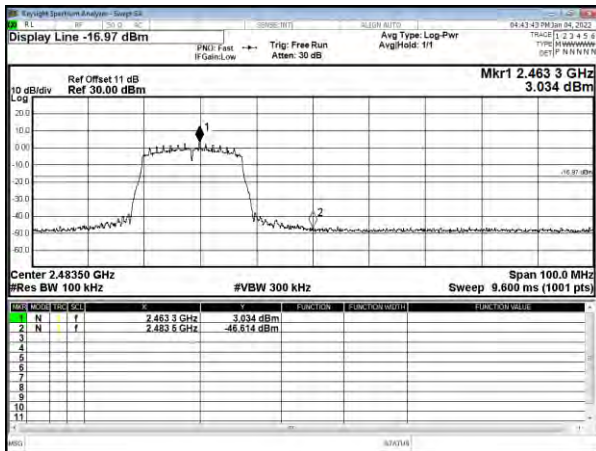
Modulation Standard: 802.11n HT20
Channel: 01



Modulation Standard: 802.11n HT20
Channel: 06

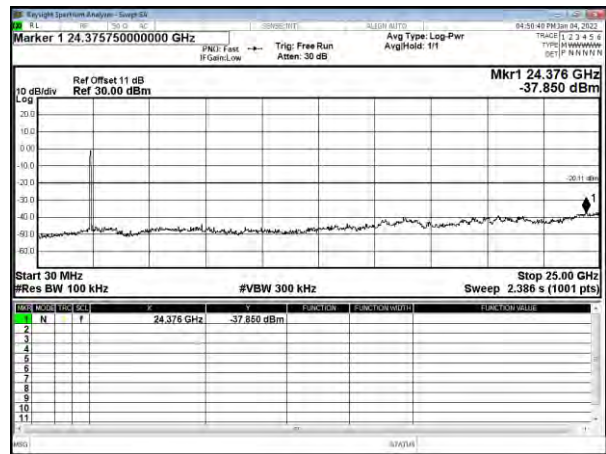
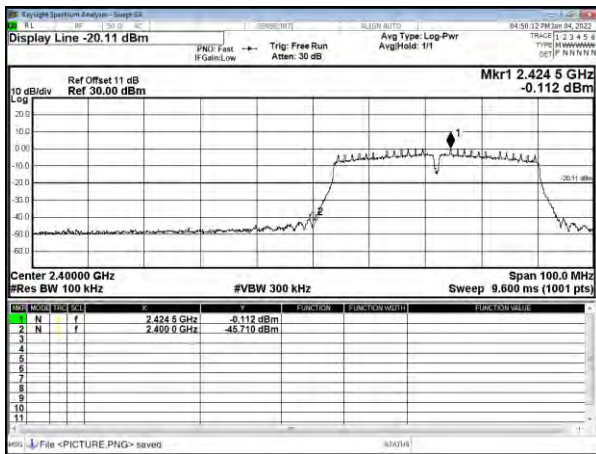


Modulation Standard: 802.11n HT20
Channel: 11

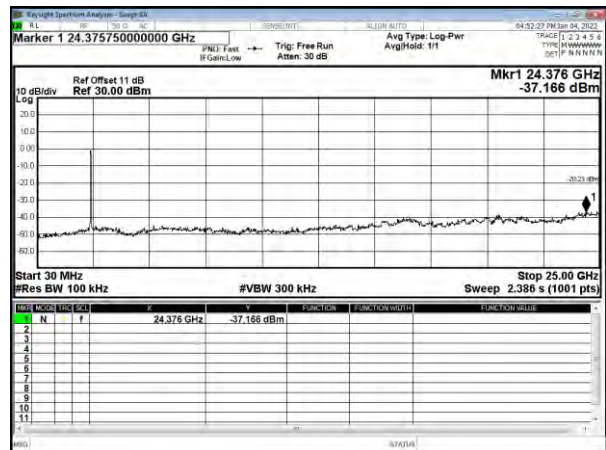
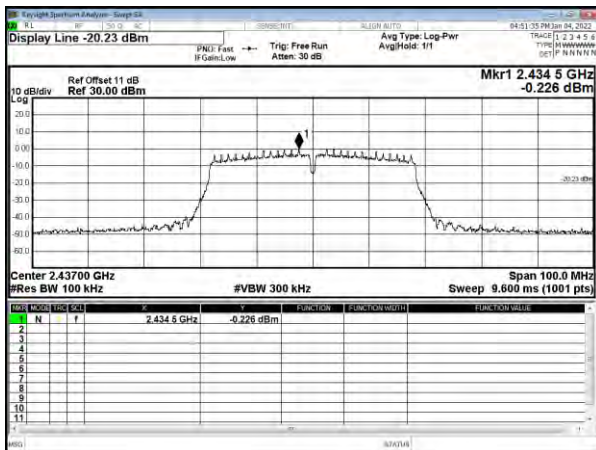




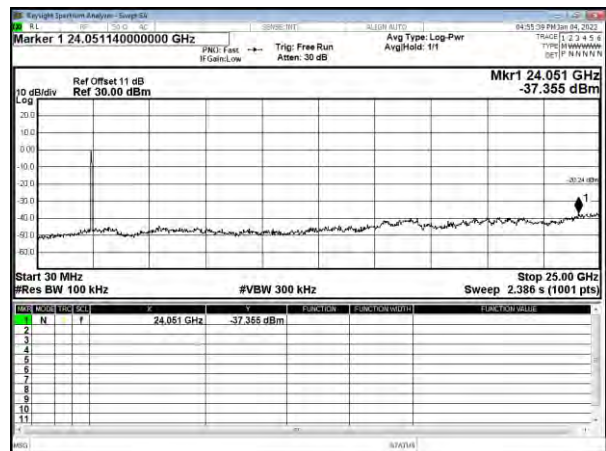
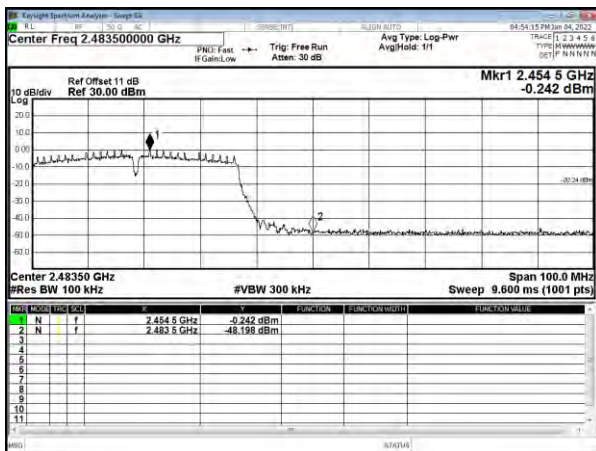
Modulation Standard: 802.11n HT40
Channel: 03



Modulation Standard: 802.11n HT40
Channel: 06

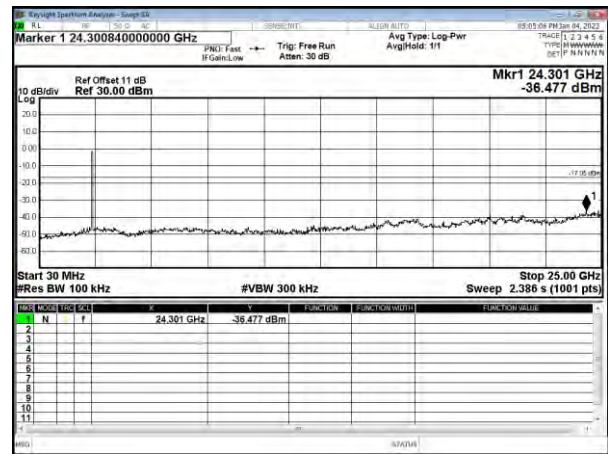
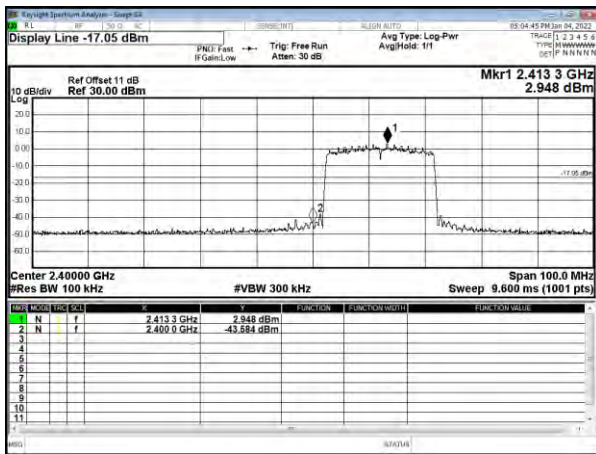


Modulation Standard: 802.11n HT40
Channel: 09

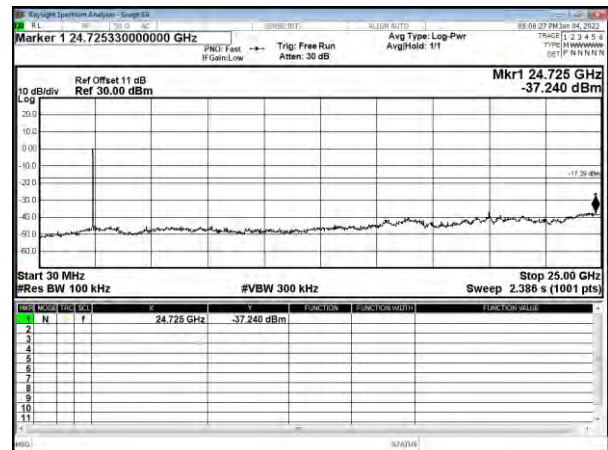
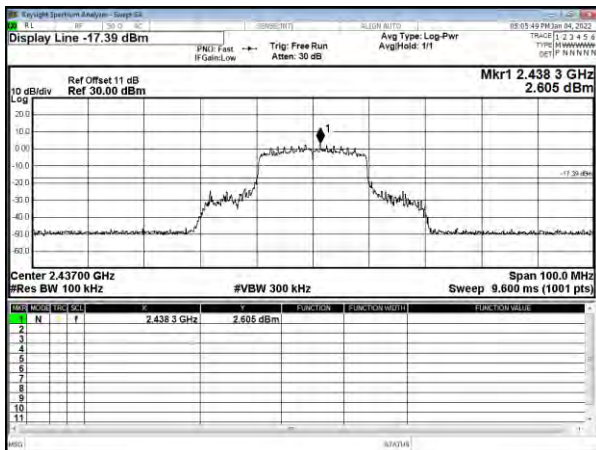




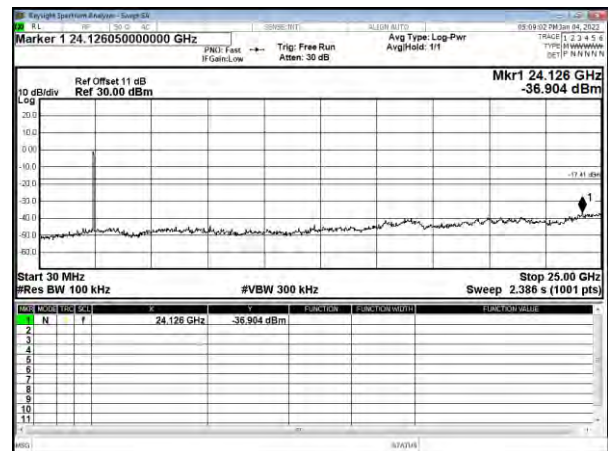
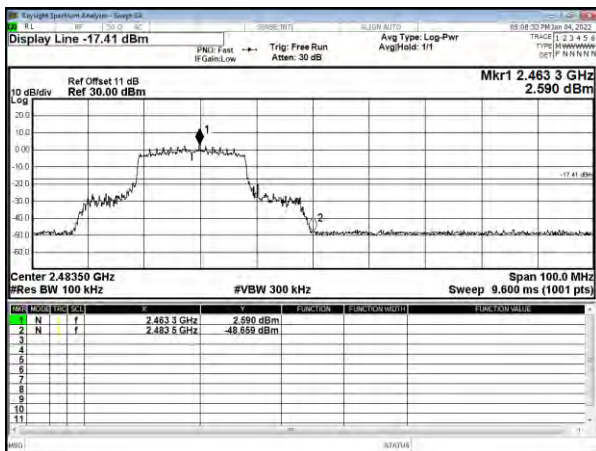
Modulation Standard: 802.11ax HE20
Channel: 01



Modulation Standard: 802.11ax HE20
Channel: 06

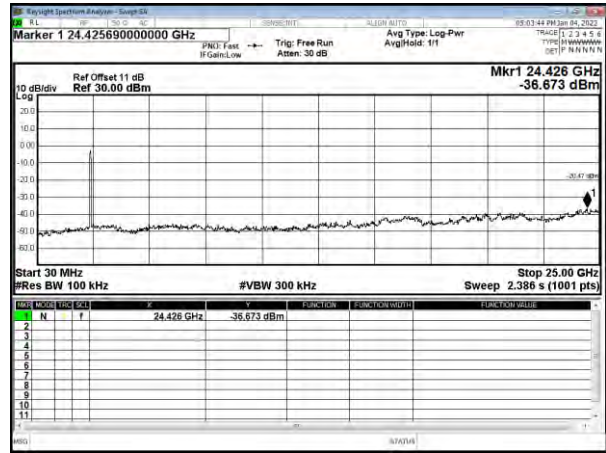
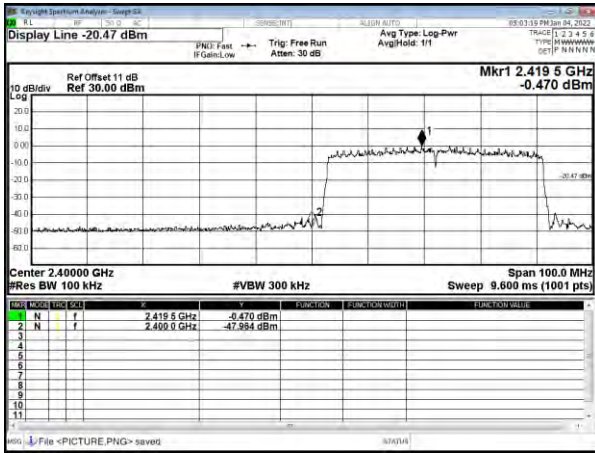


Modulation Standard: 802.11ax HE20
Channel: 11

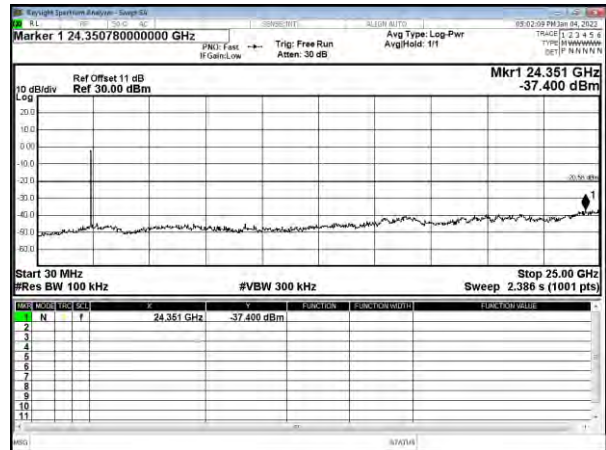
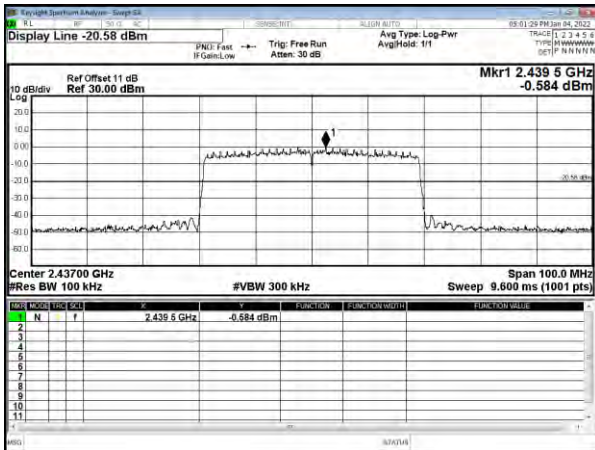




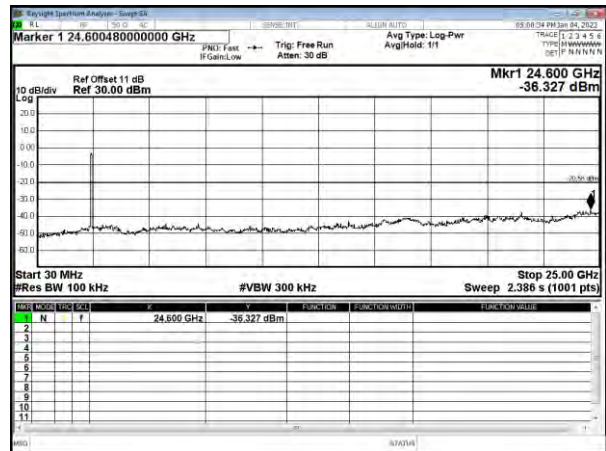
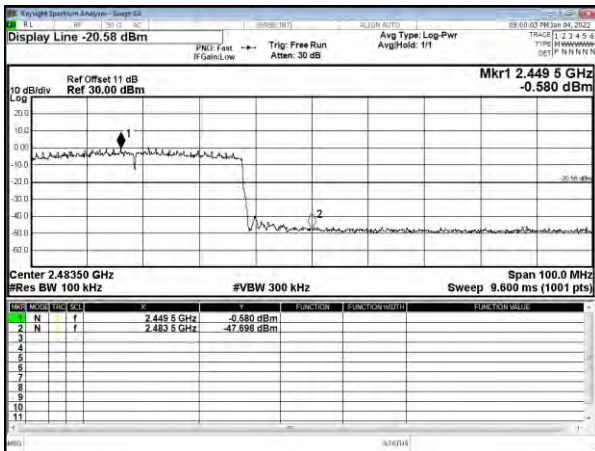
Modulation Standard: 802.11ax HE40
Channel: 03



Modulation Standard: 802.11ax HE40
Channel: 06



Modulation Standard: 802.11ax HE40
Channel: 09

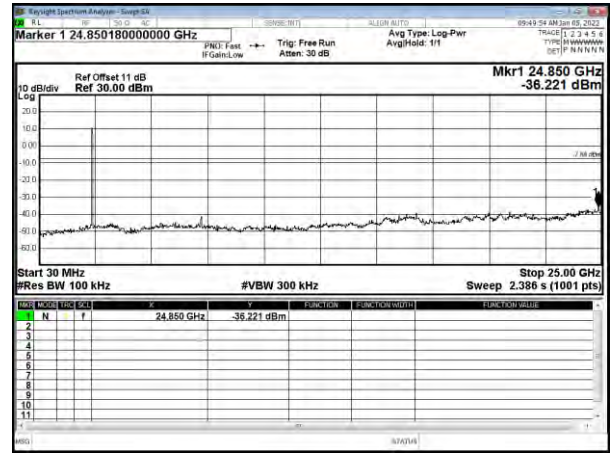
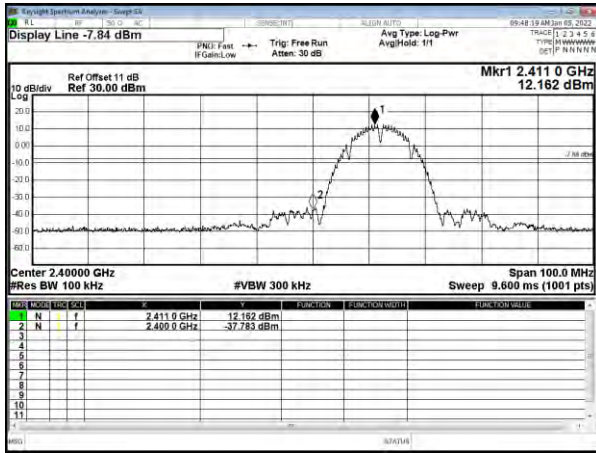




SISO (ANT B)

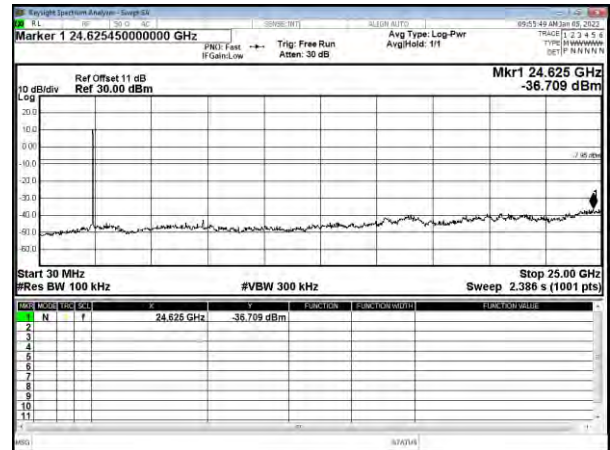
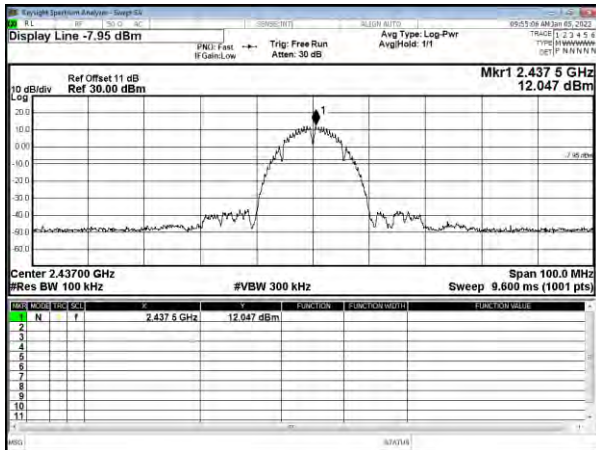
Modulation Standard: 802.11b

Channel: 01



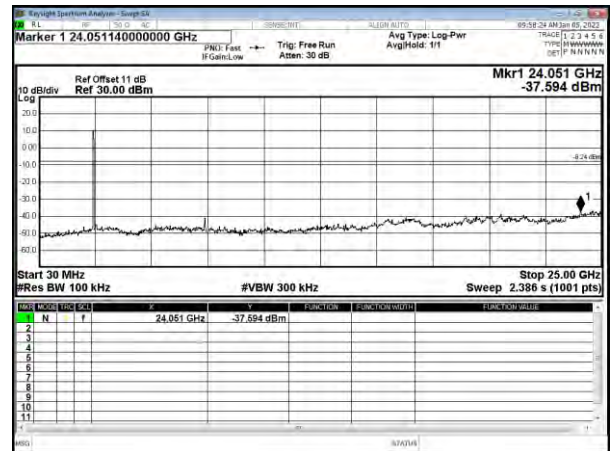
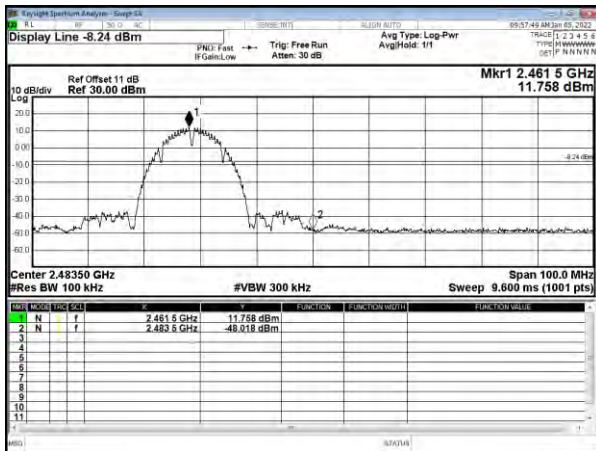
Modulation Standard: 802.11b

Channel: 06



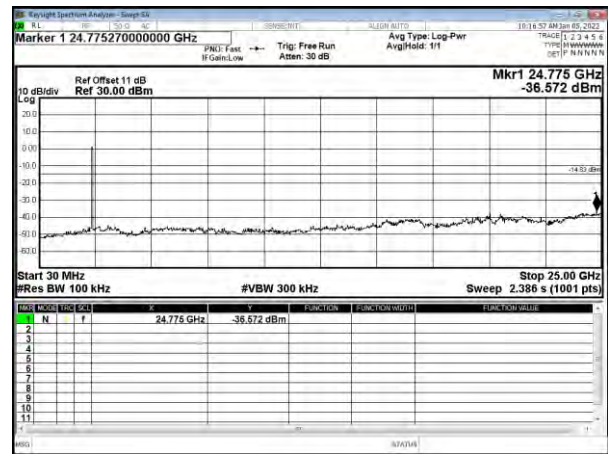
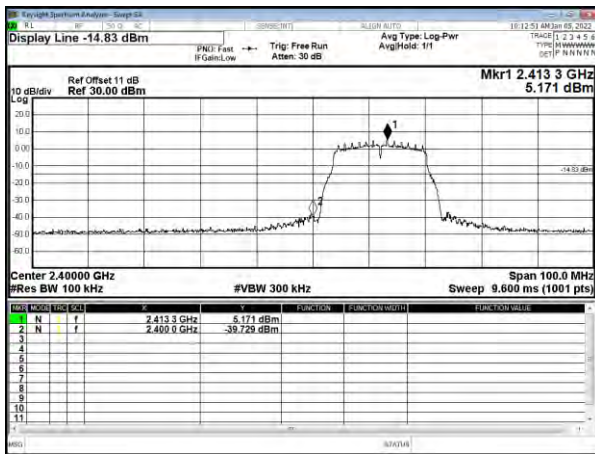
Modulation Standard: 802.11b

Channel: 11

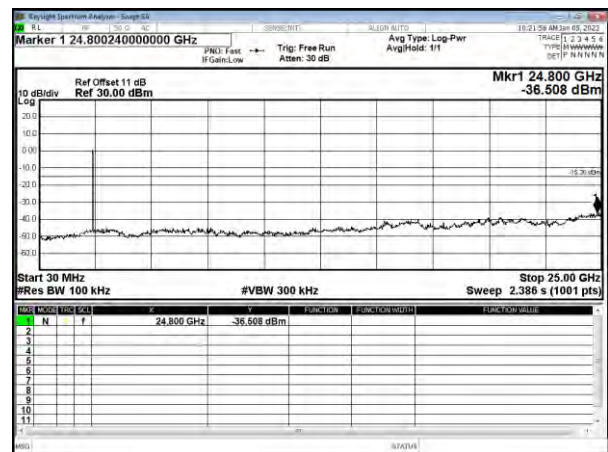
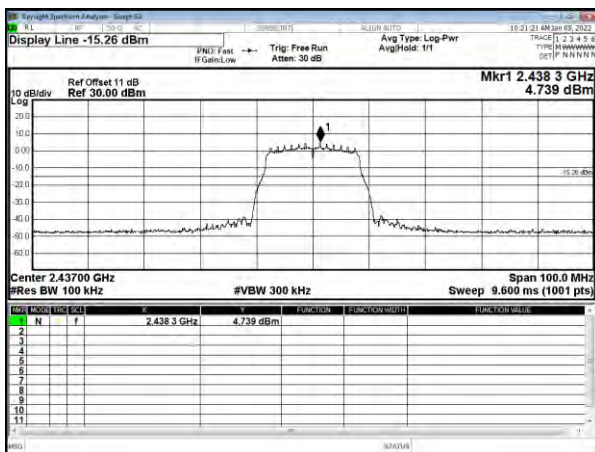




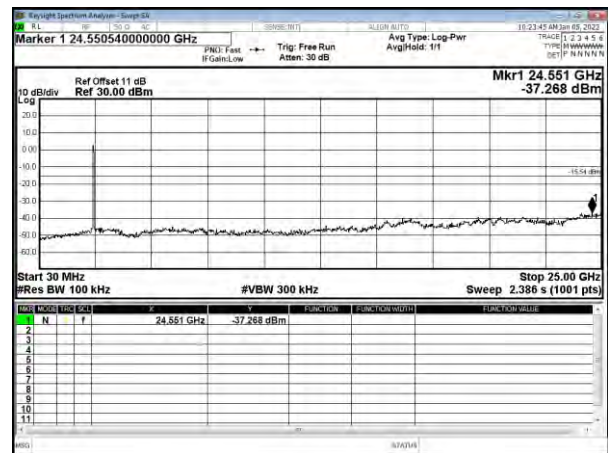
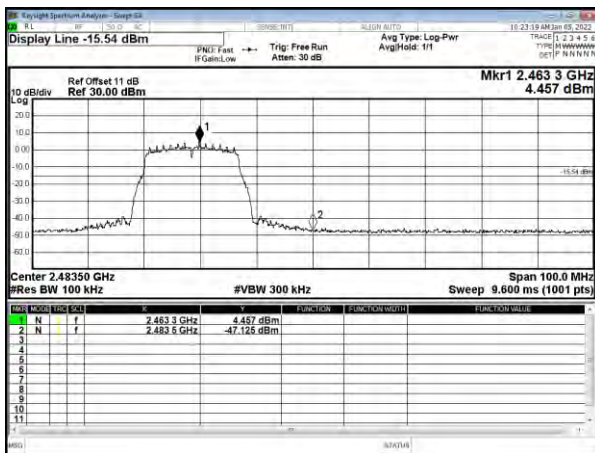
Modulation Standard: 802.11g
Channel: 01



Modulation Standard: 802.11g
Channel: 06

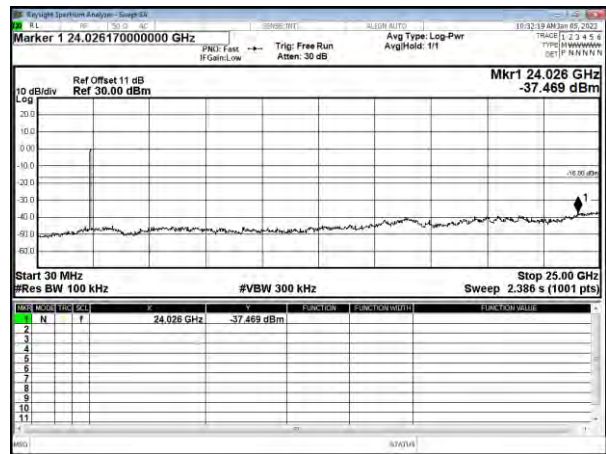
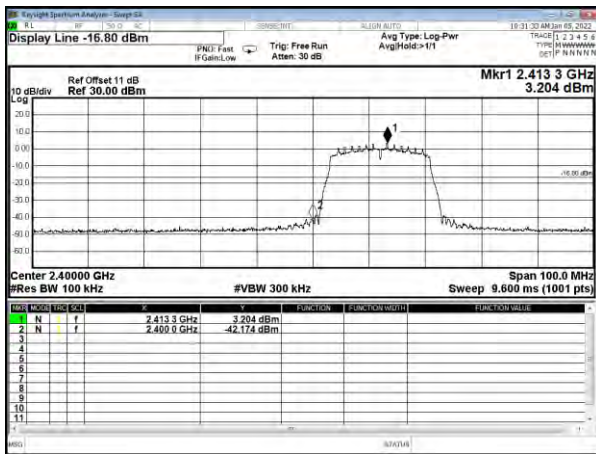


Modulation Standard: 802.11g
Channel: 11

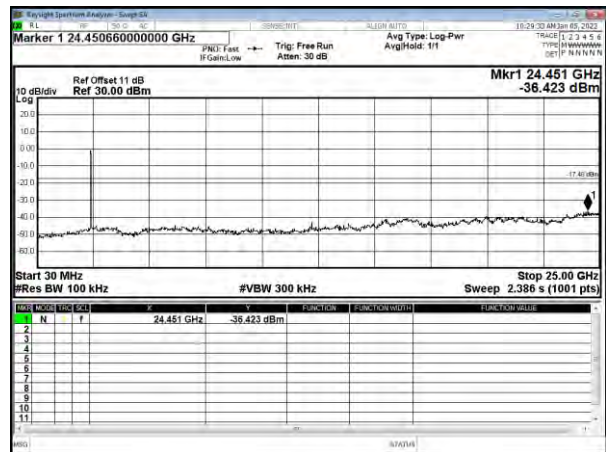
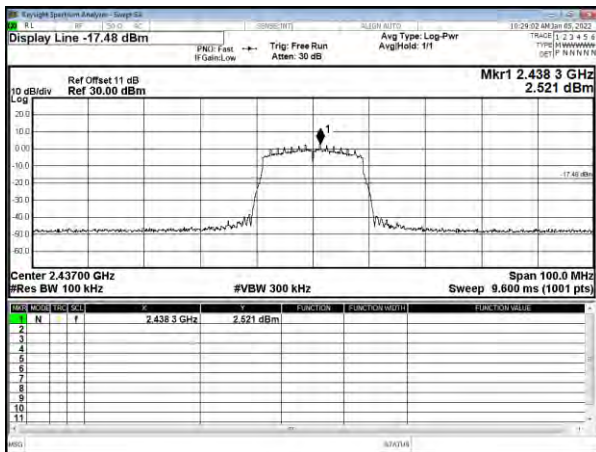




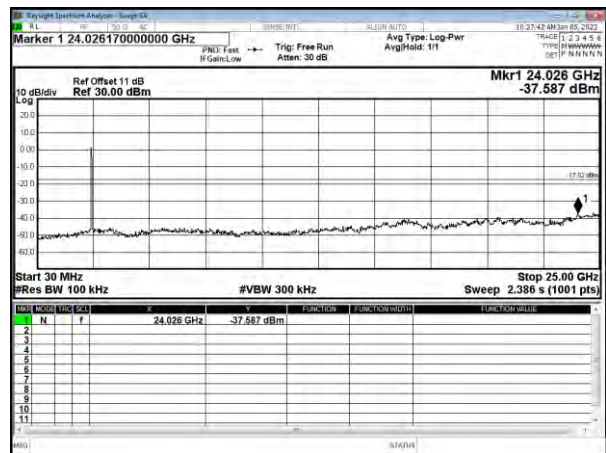
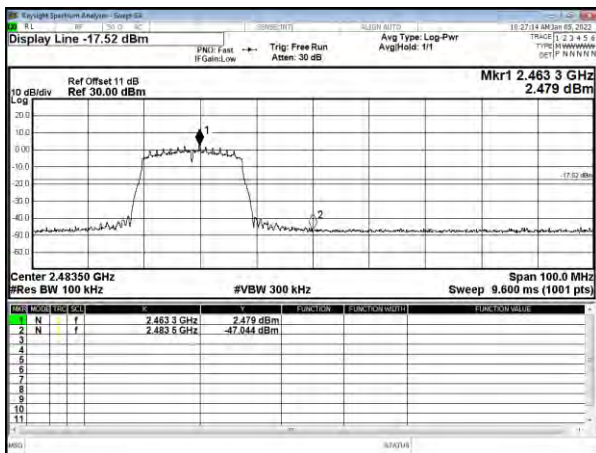
Modulation Standard: 802.11n HT20
Channel: 01



Modulation Standard: 802.11n HT20
Channel: 06

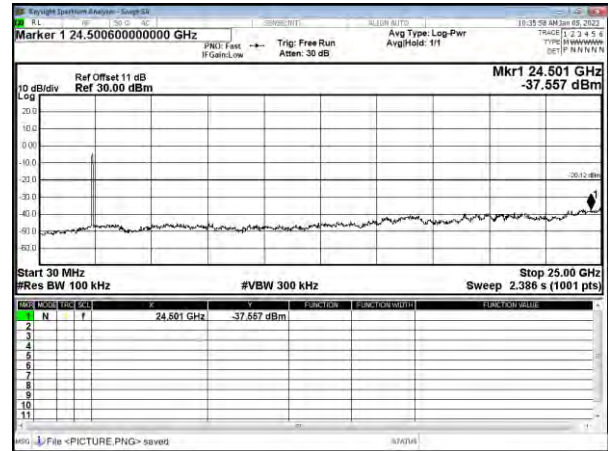
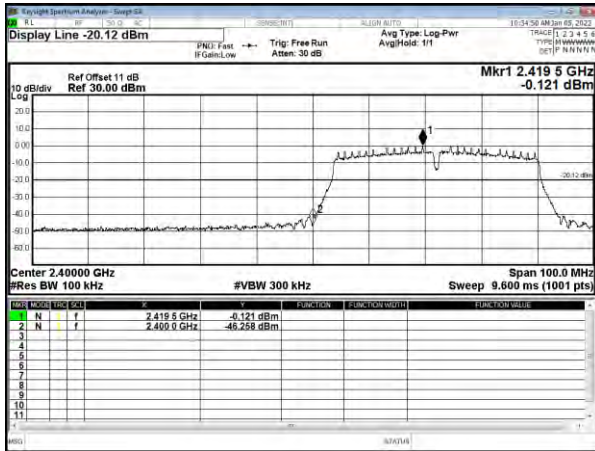


Modulation Standard: 802.11n HT20
Channel: 11

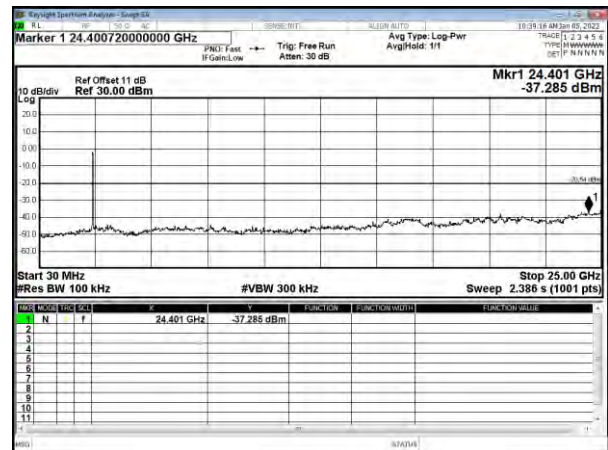
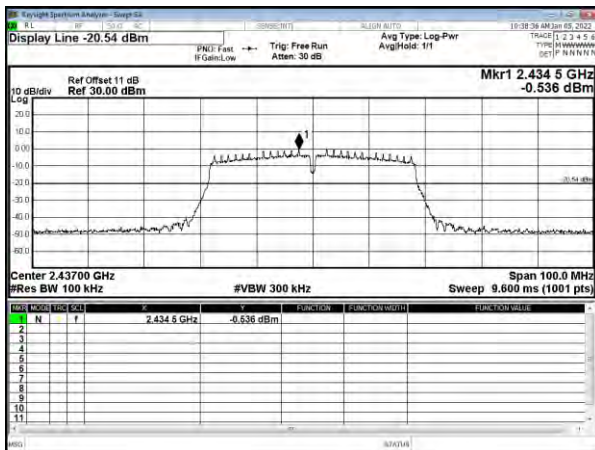




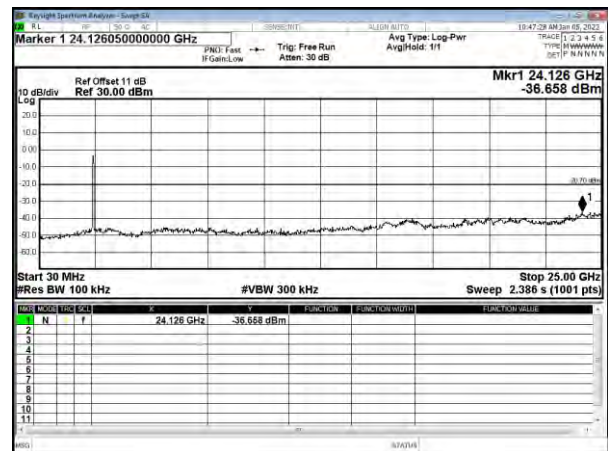
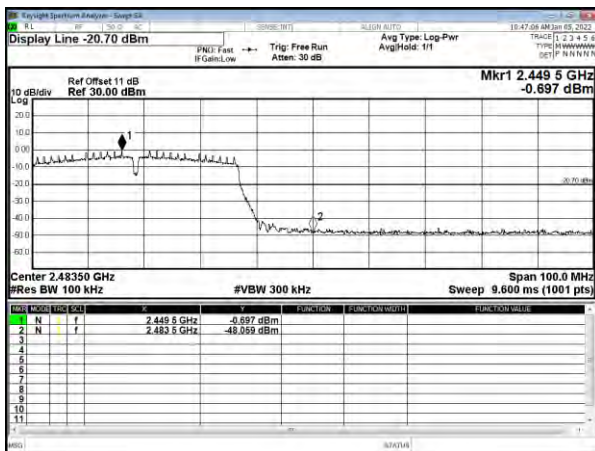
Modulation Standard: 802.11n HT40
Channel: 03



Modulation Standard: 802.11n HT40
Channel: 06

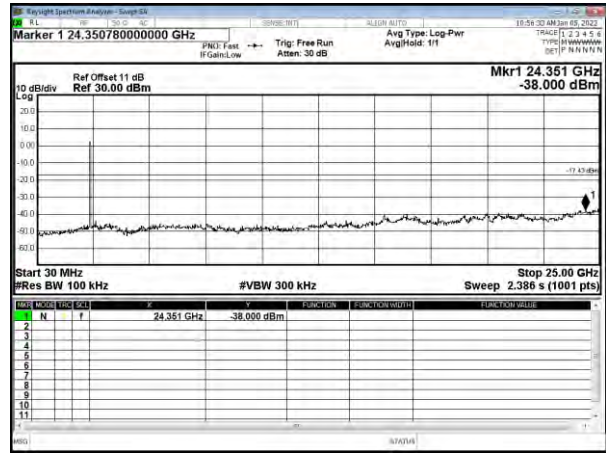
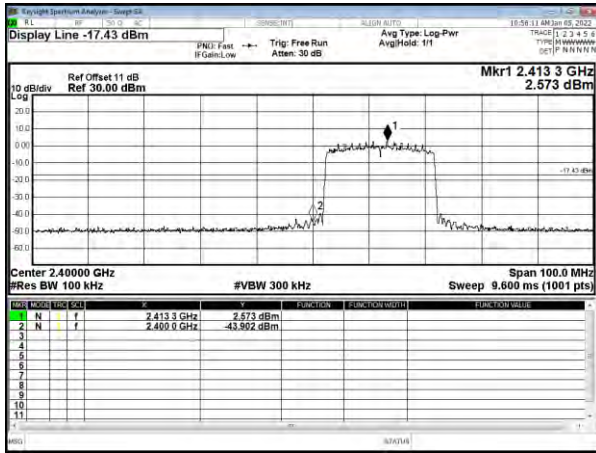


Modulation Standard: 802.11n HT40
Channel: 09

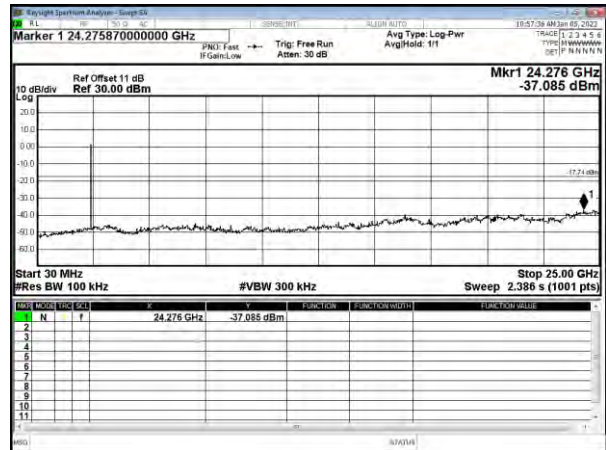




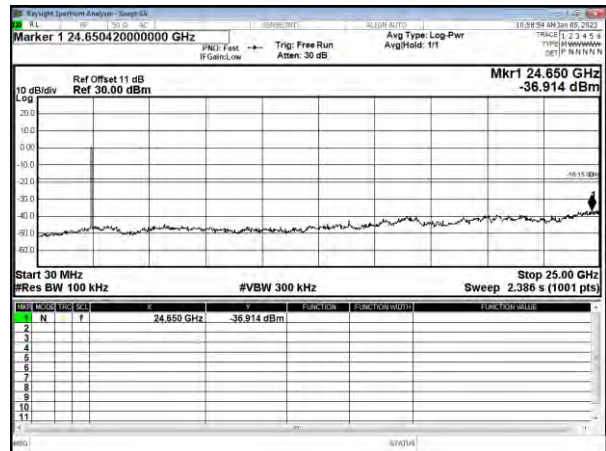
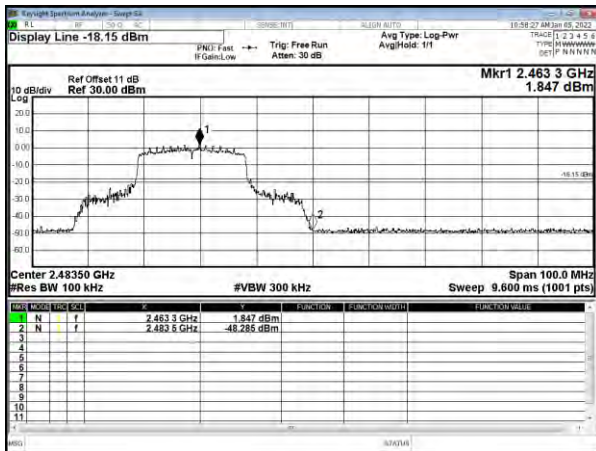
Modulation Standard: 802.11ax HE20
Channel: 01



Modulation Standard: 802.11ax HE20
Channel: 06

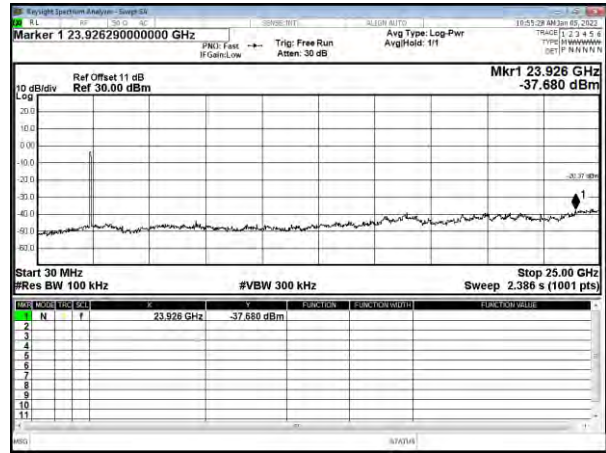
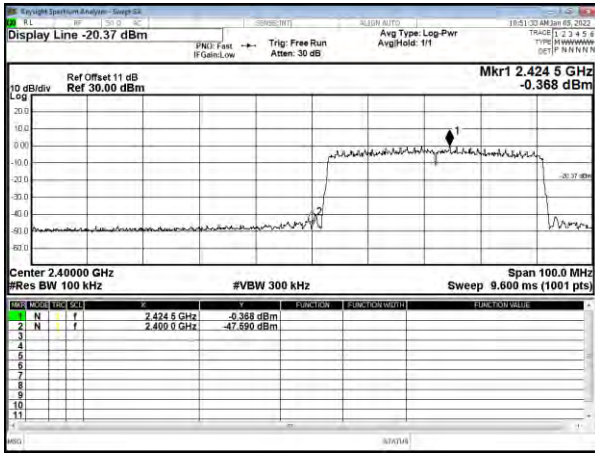


Modulation Standard: 802.11ax HE20
Channel: 11

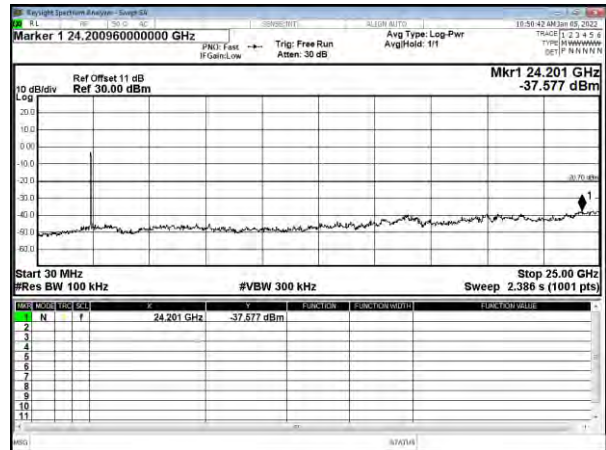
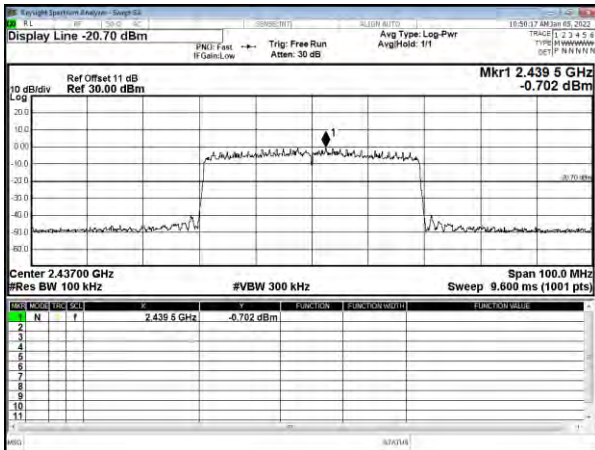




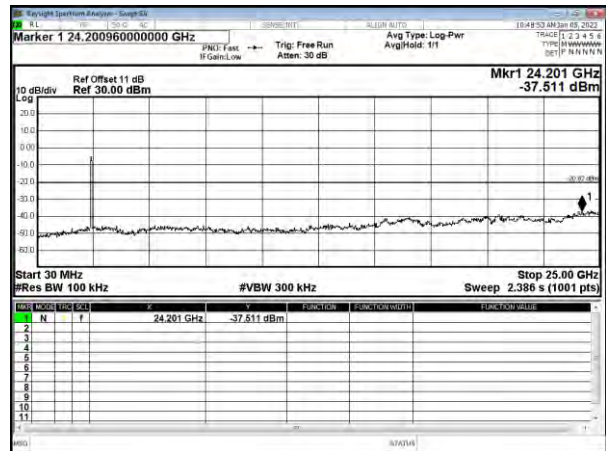
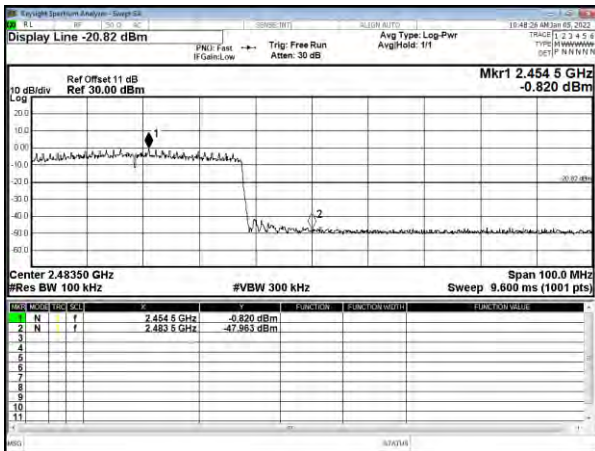
Modulation Standard: 802.11ax HE40
Channel: 03



Modulation Standard: 802.11n HT40
Channel: 06



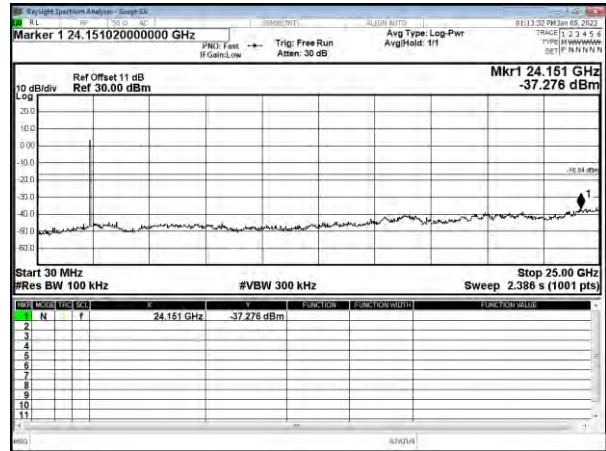
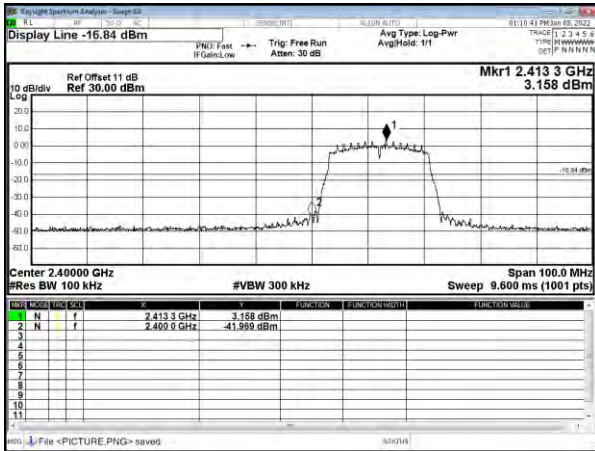
Modulation Standard: 802.11n HT40
Channel: 09



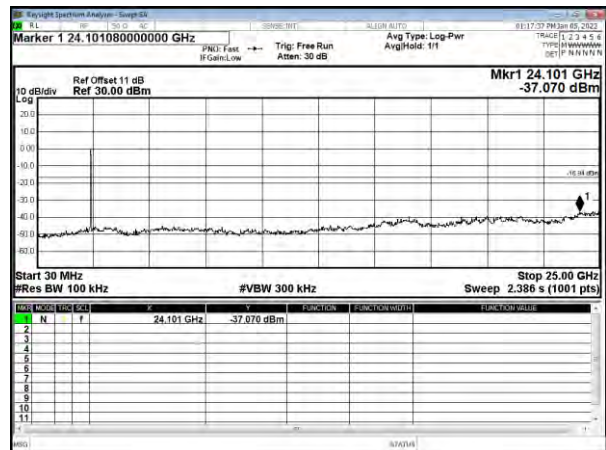
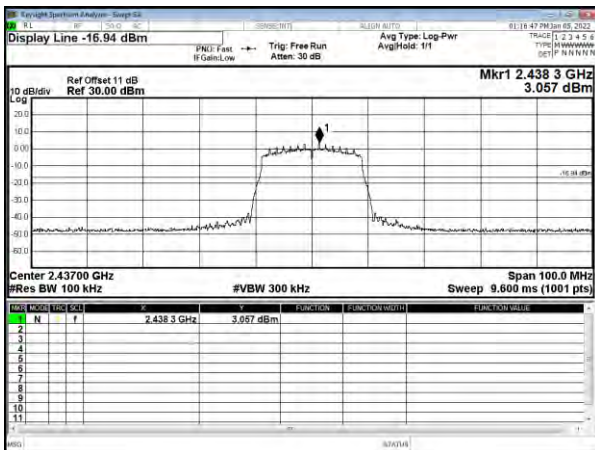


MIMO (ANT A+ANT B)-ANT A

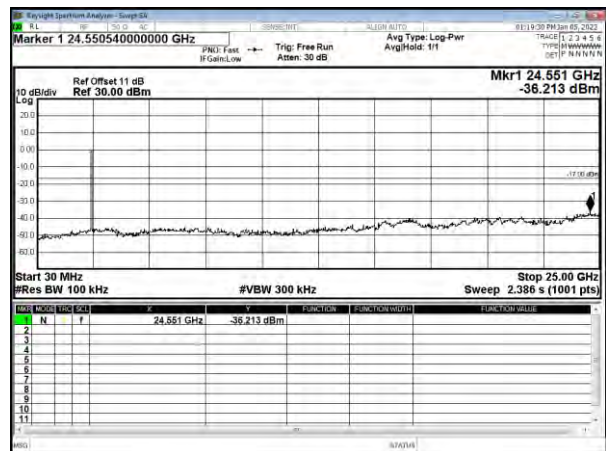
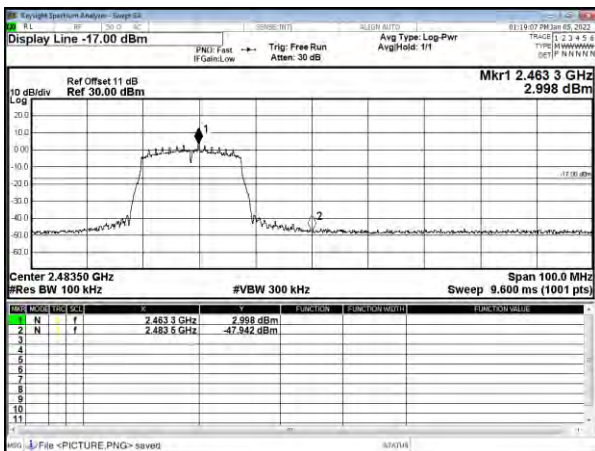
Modulation Standard: 802.11n HT20
Channel: 01



Modulation Standard: 802.11n HT20
Channel: 06

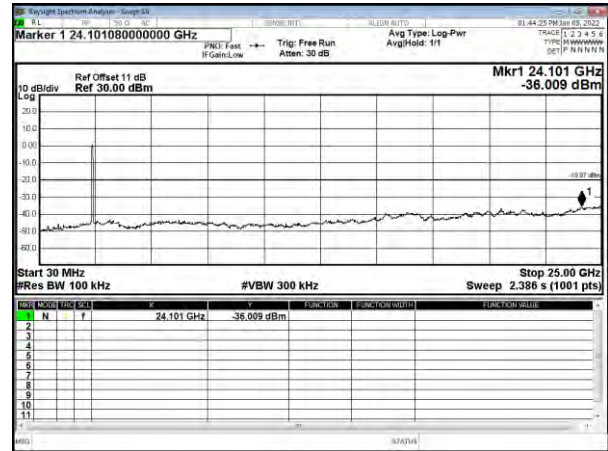
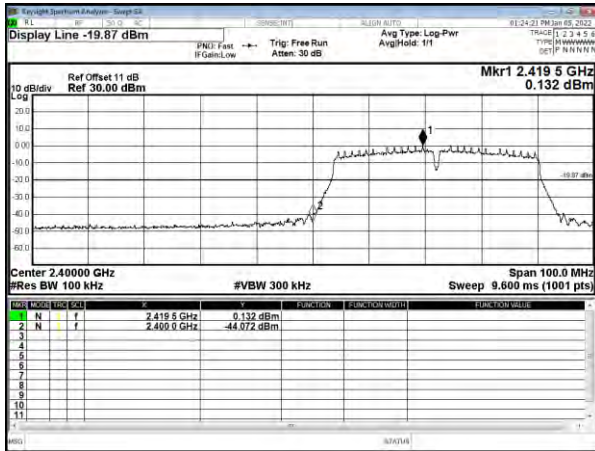


Modulation Standard: 802.11n HT20
Channel: 11

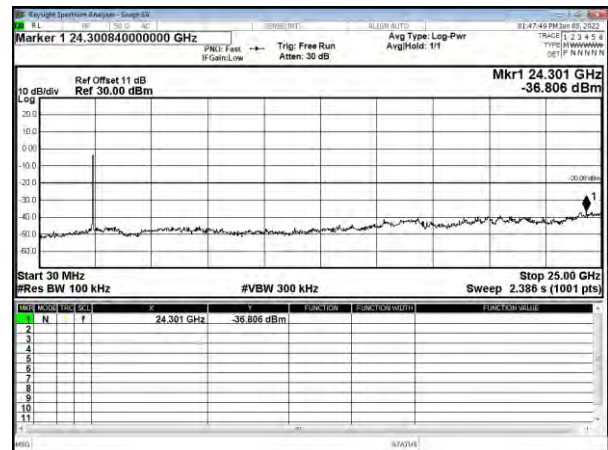
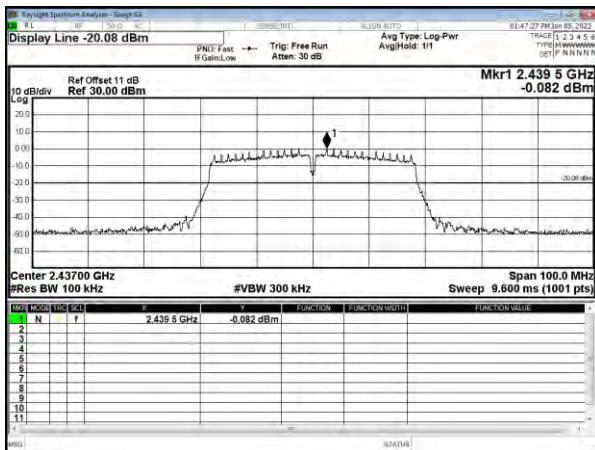




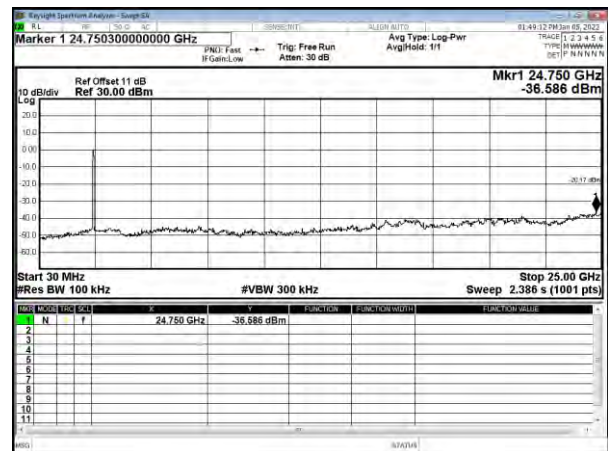
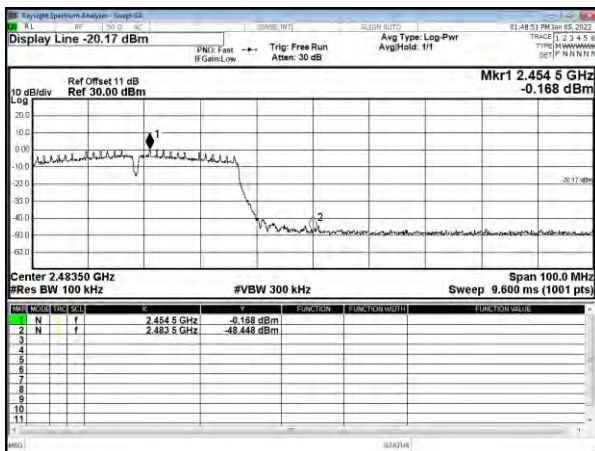
Modulation Standard: 802.11n HT40
Channel: 03



Modulation Standard: 802.11n HT40
Channel: 06

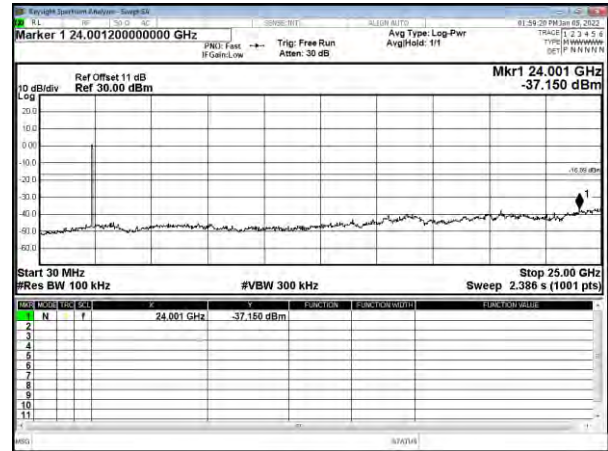
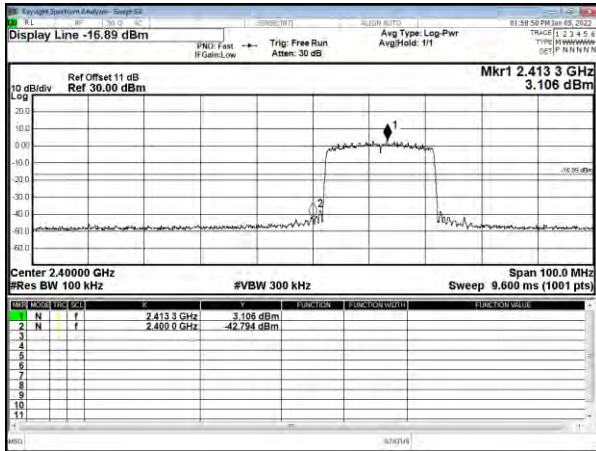


Modulation Standard: 802.11n HT40
Channel: 09

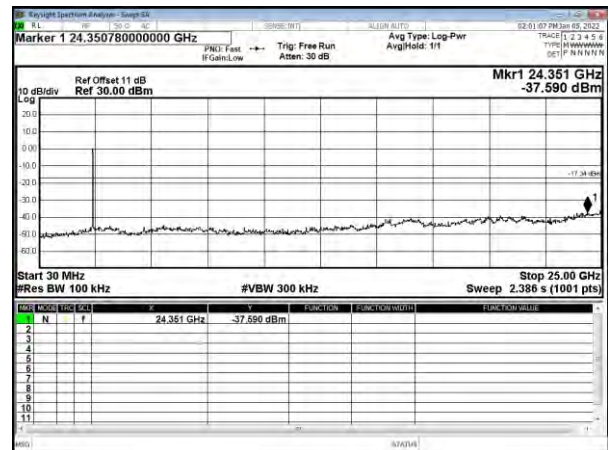
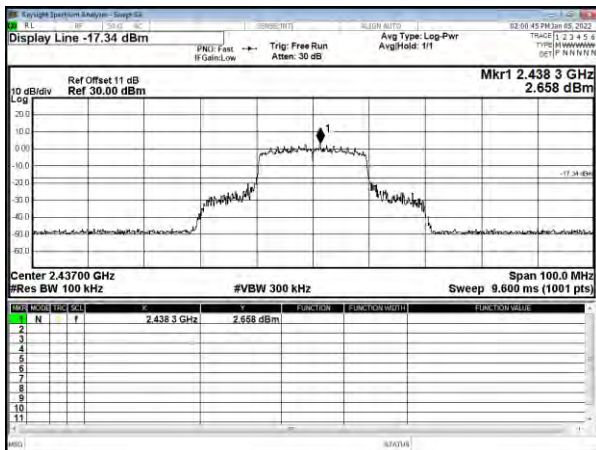




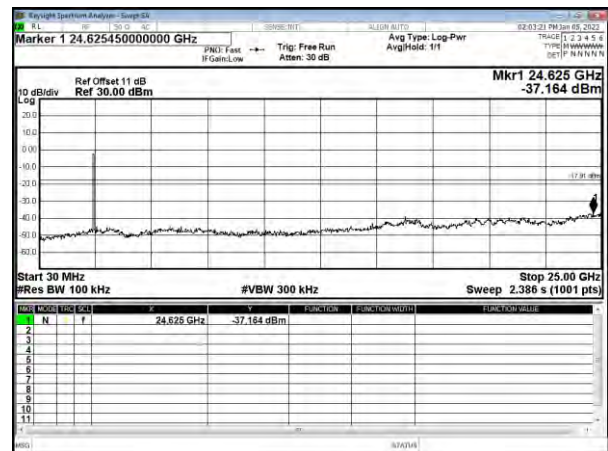
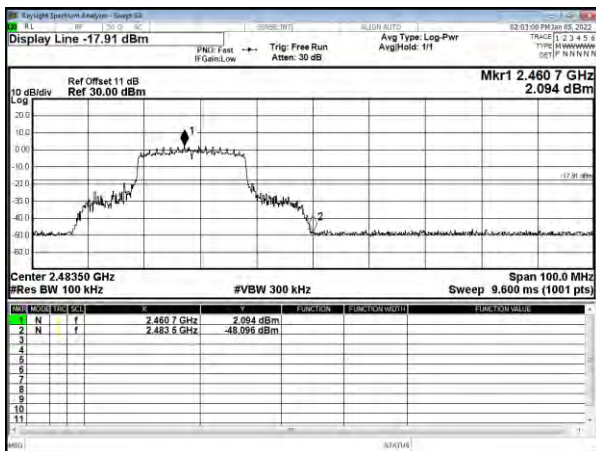
Modulation Standard: 802.11ax HE20
Channel: 01



Modulation Standard: 802.11ax HE20
Channel: 06

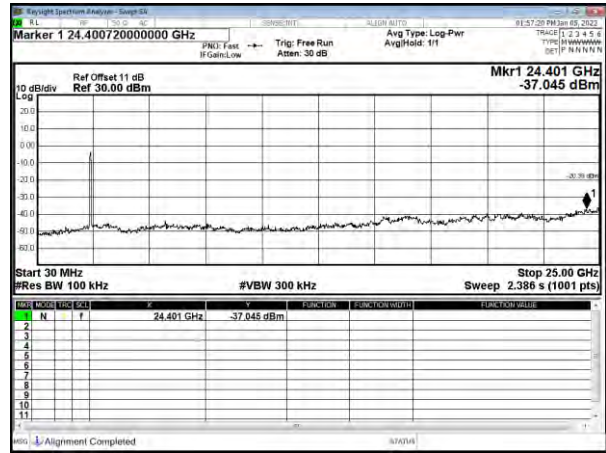
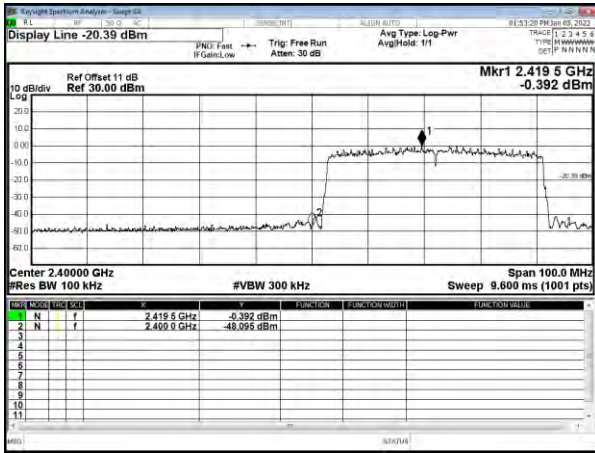


Modulation Standard: 802.11ax HE20
Channel: 11

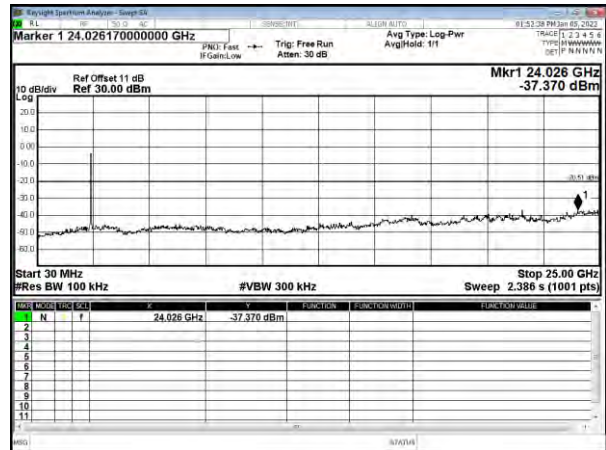
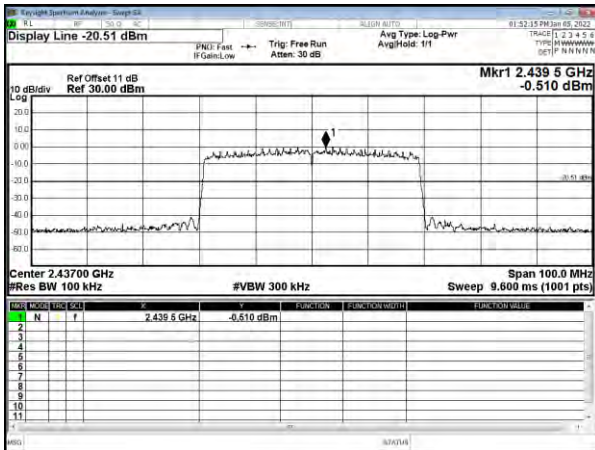




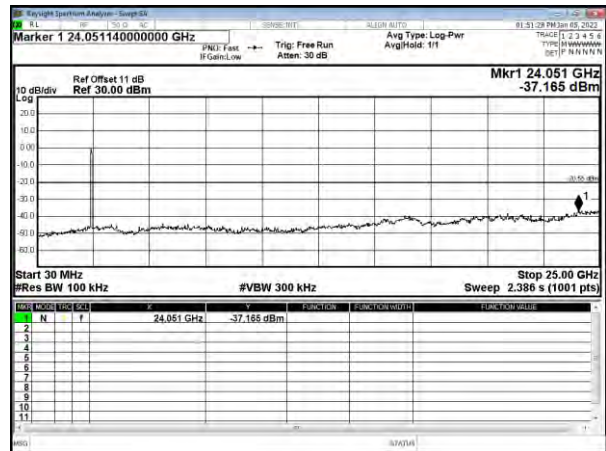
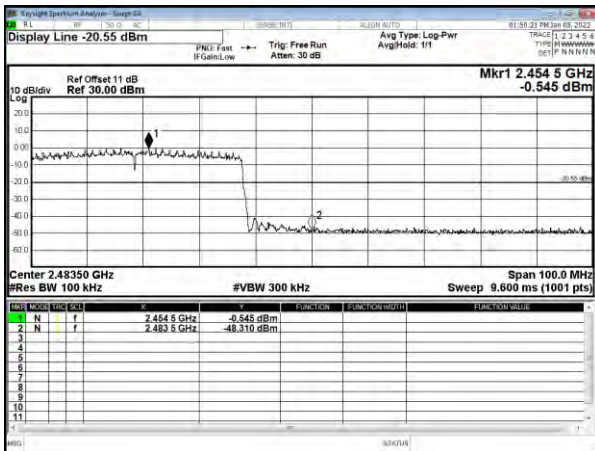
Modulation Standard: 802.11ax HE40
Channel: 03



Modulation Standard: 802.11ax HE40
Channel: 06



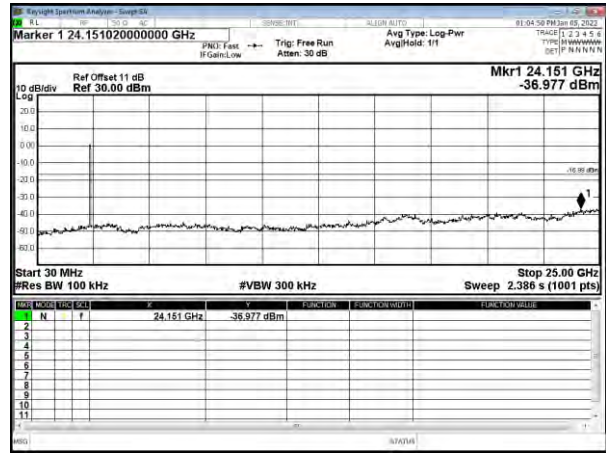
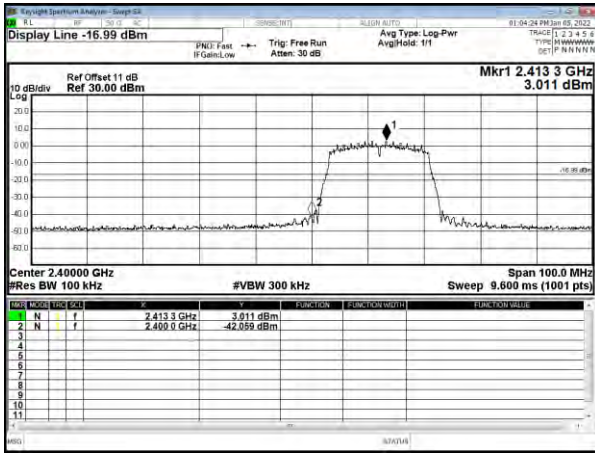
Modulation Standard: 802.11ax HE40
Channel: 09



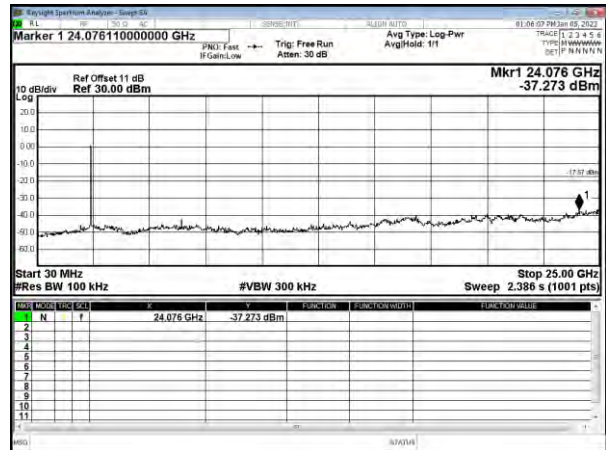
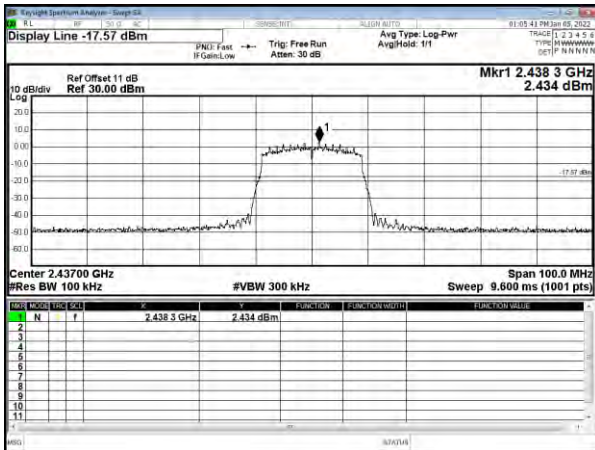


MIMO (ANT A+ANT B)-ANT B

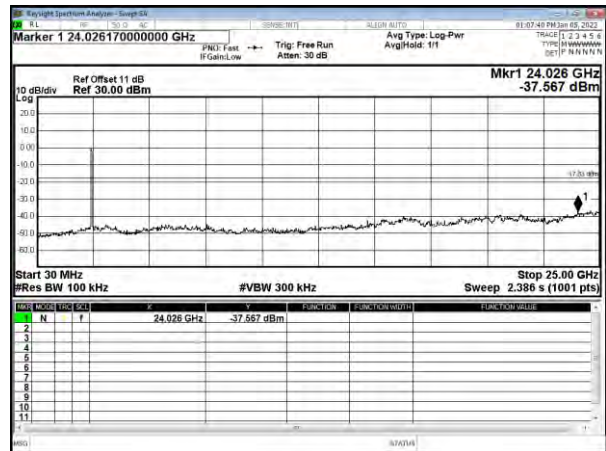
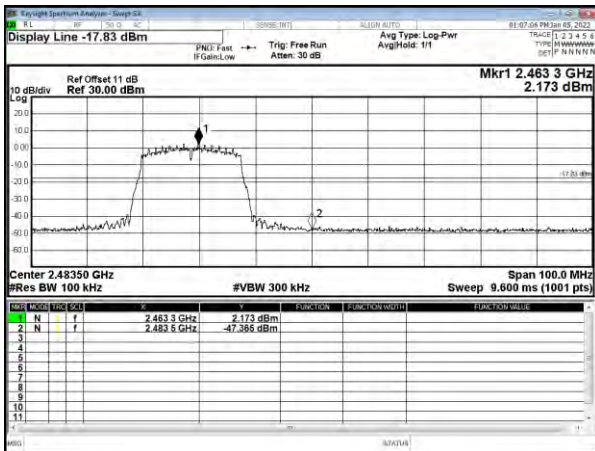
Modulation Standard: 802.11n HT20
Channel: 01



Modulation Standard: 802.11n HT20
Channel: 06

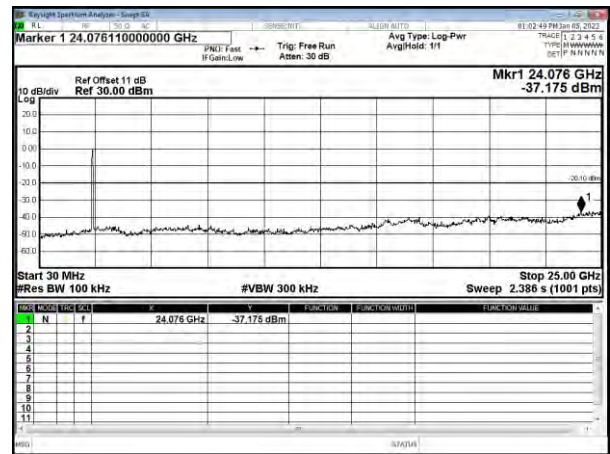
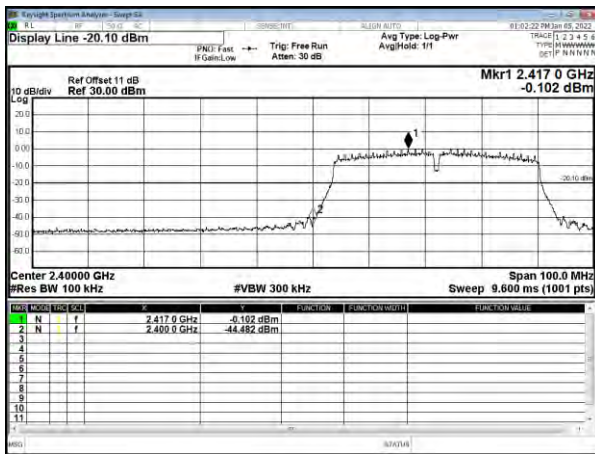


Modulation Standard: 802.11n HT20
Channel: 11

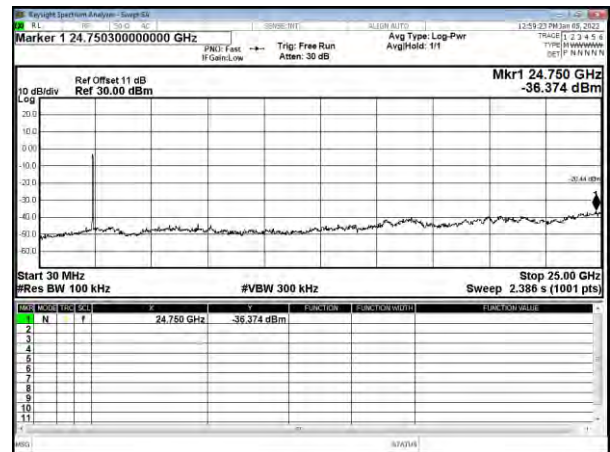
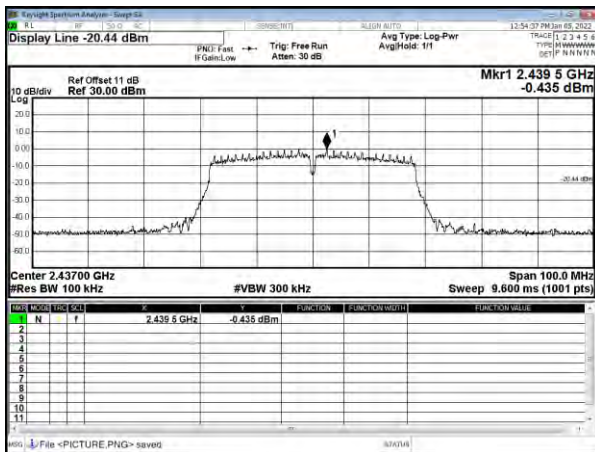




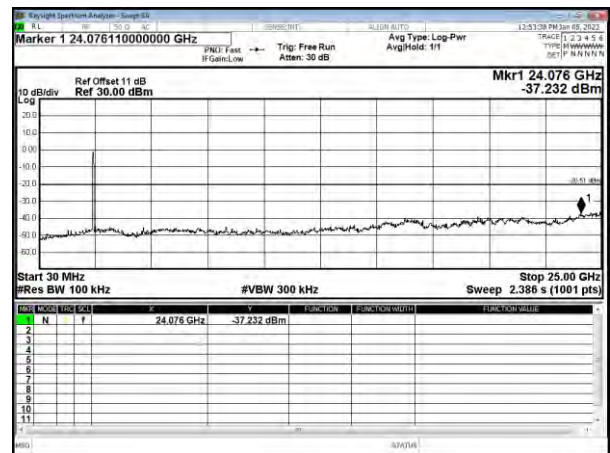
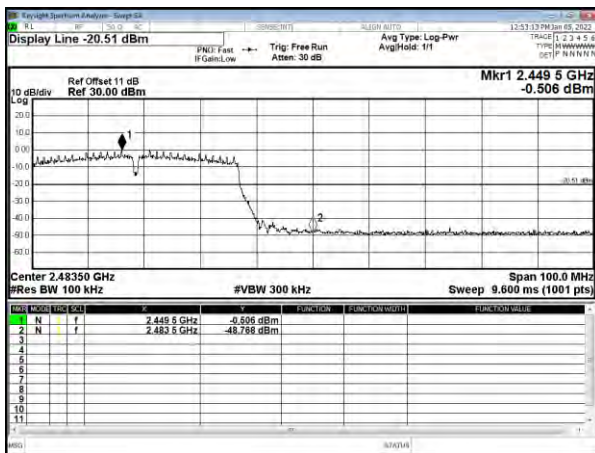
Modulation Standard: 802.11n HT40
Channel: 03



Modulation Standard: 802.11n HT40
Channel: 06

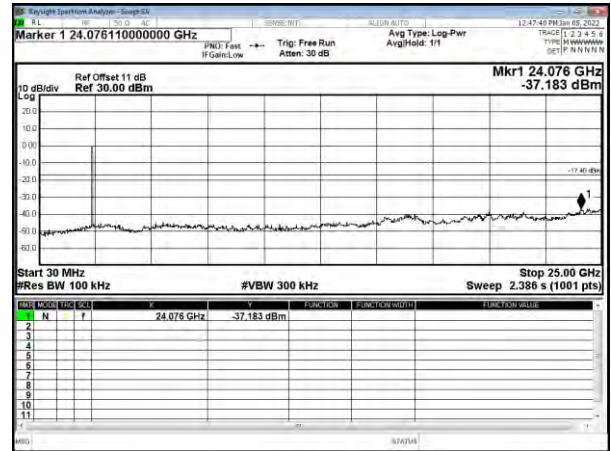
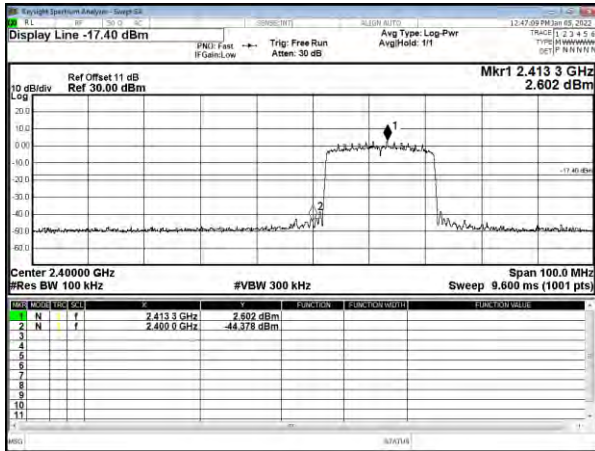


Modulation Standard: 802.11n HT40
Channel: 09

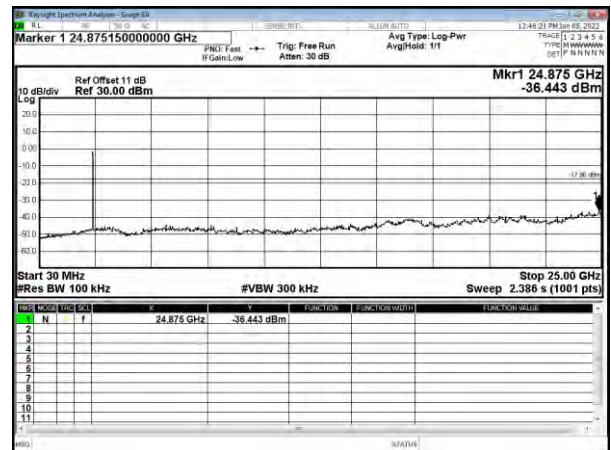
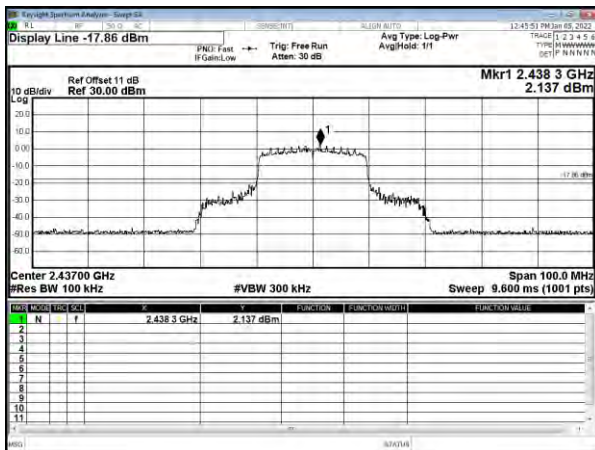




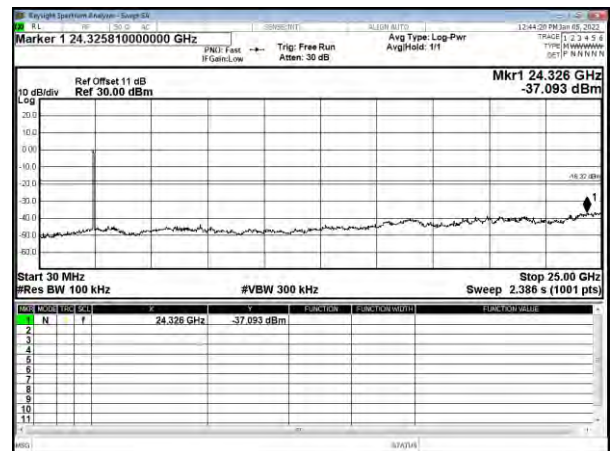
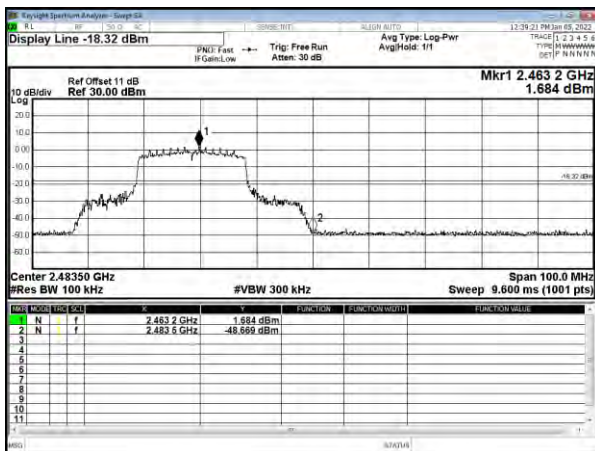
Modulation Standard: 802.11ax HE20
Channel: 01



Modulation Standard: 802.11ax HE20
Channel: 06

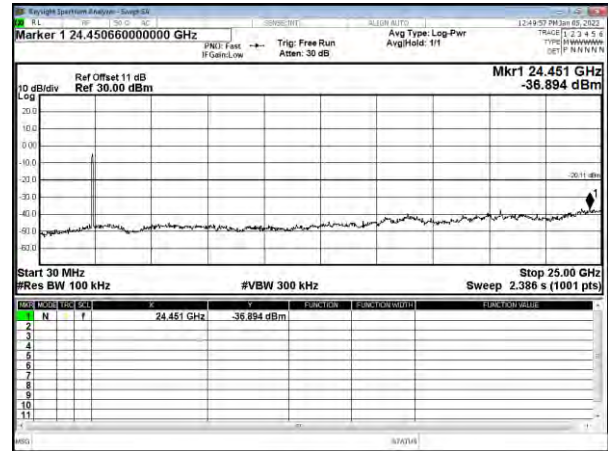
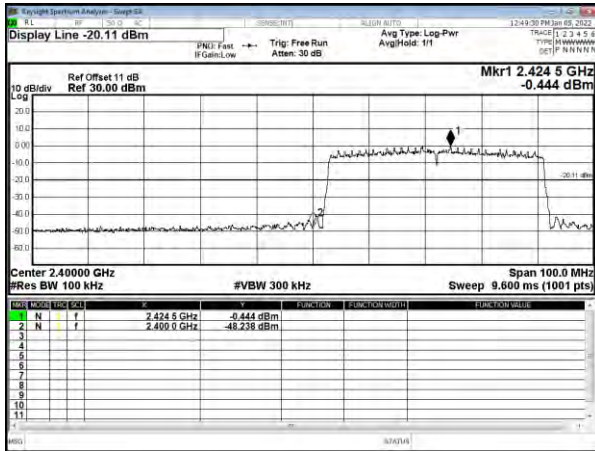


Modulation Standard: 802.11ax HE20
Channel: 11

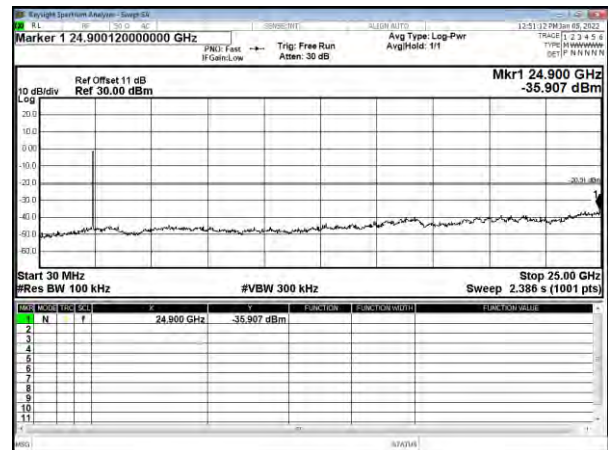
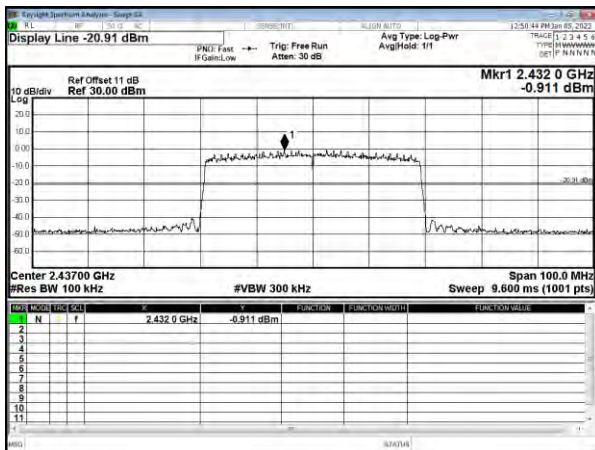




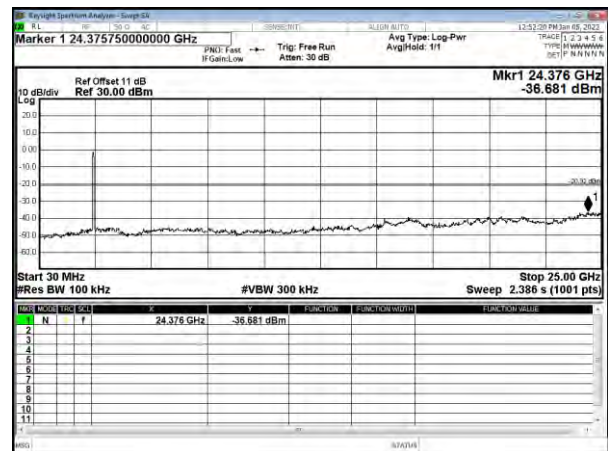
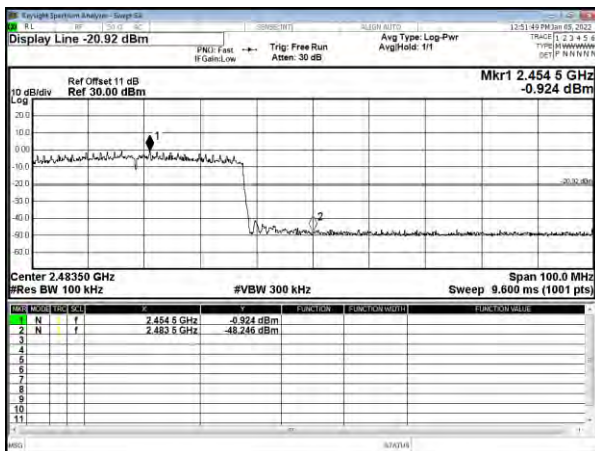
Modulation Standard: 802.11ax HE40
Channel: 03



Modulation Standard: 802.11n HT40
Channel: 06



Modulation Standard: 802.11n HT40
Channel: 09





8. On Time, Duty Cycle and Measurement methods

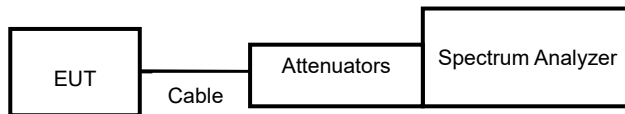
8.1 Test Limit

None; for reporting purposes only.

8.2 Test Procedure

Zero-Span Spectrum Analyzer Method.

8.3 Test Setup Layout



8.4 Test Result and Data

SISO

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
11b	8.43	8.47	99.53%
11g	1.41	1.46	96.91%
11n HT20	1.31	1.36	96.32%
11n HT40	0.65	0.71	92.35%
11ax HE20	0.55	0.60	91.17%
11ax HE40	0.30	0.36	84.44%

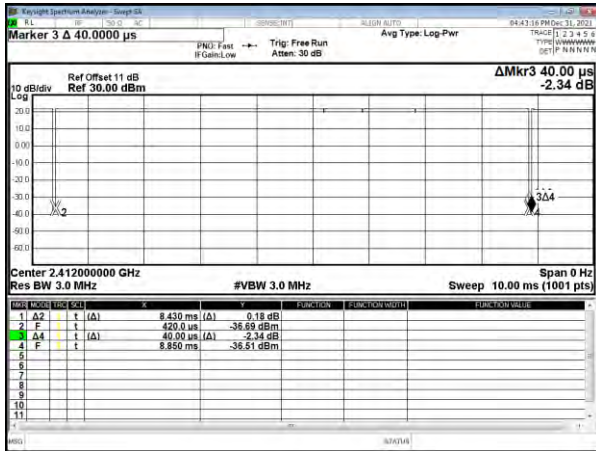
MIMO

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
11n HT20	1.32	1.37	96.70%
11n HT40	0.65	0.71	92.07%
11ax HE20	0.54	0.60	90.67%
11ax HE40	0.31	0.36	84.72%

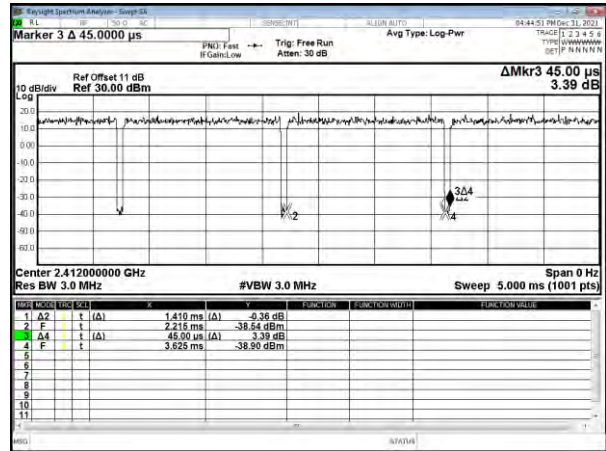


SISO

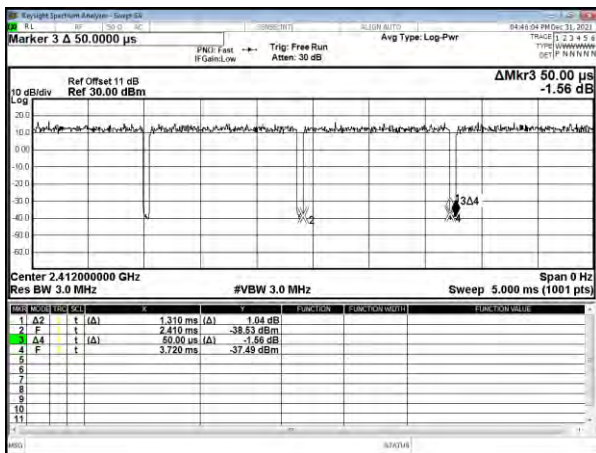
Modulation Type: 802.11b(1Mbps)



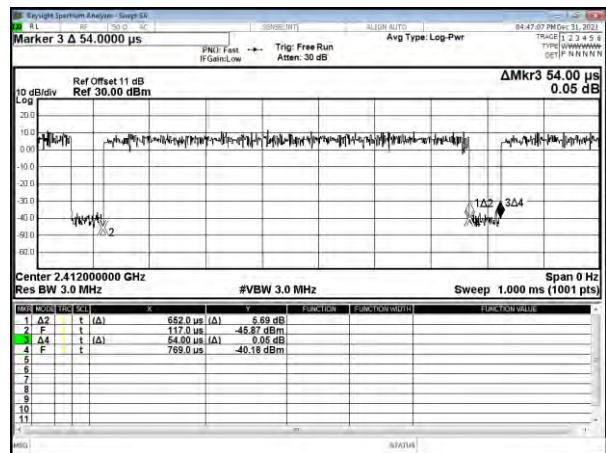
Modulation Type: 802.11g(6Mbps)



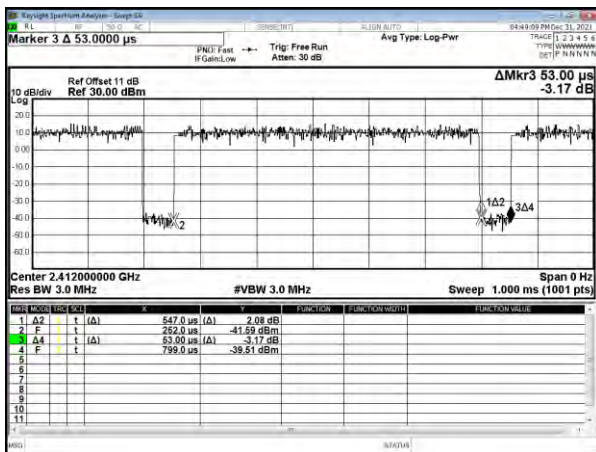
Modulation Type: 802.11n HT20(6.5Mbps)



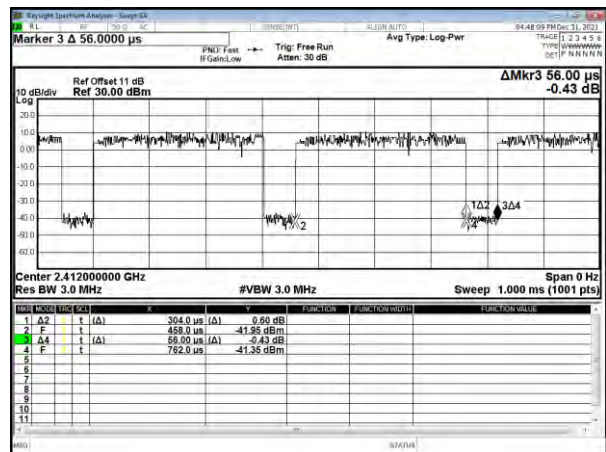
Modulation Type: 802.11n HT40(13.5Mbps)



Modulation Type: 802.11ax HE20 (7.3Mbps)



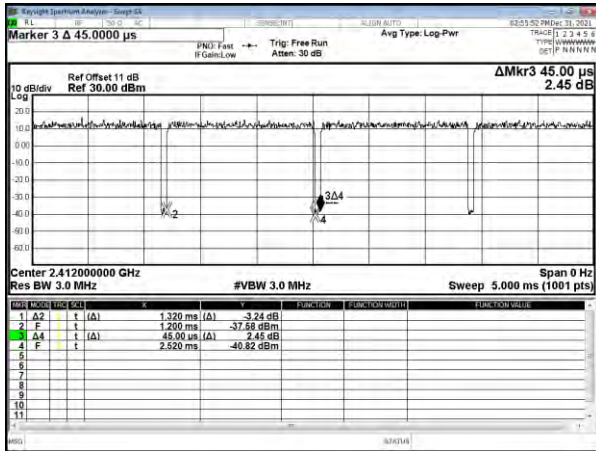
Modulation Type: 802.11ax HE40 (14.6Mbps)



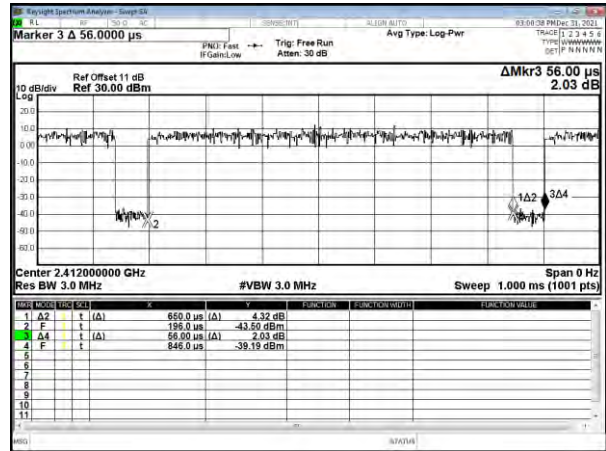


MIMO

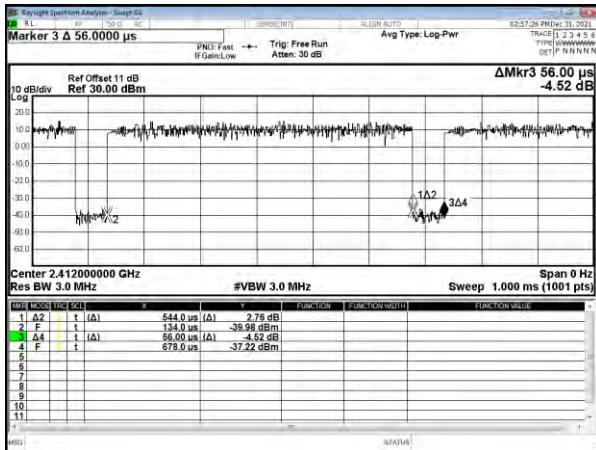
Modulation Type: 802.11n HT20(6.5Mbps)



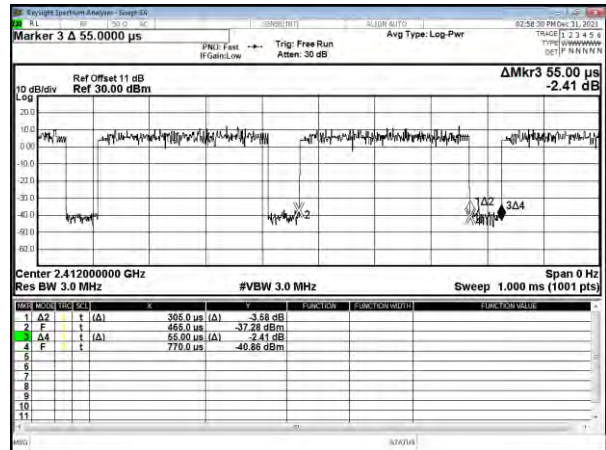
Modulation Type: 802.11n HT40(13.5Mbps)



Modulation Type: 802.11ax HE20 (7.3Mbps)



Modulation Type: 802.11ax HE40 (14.6Mbps)





9. 6dB Bandwidth Measurement Data

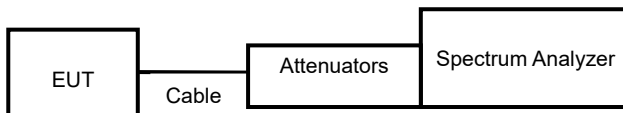
9.1 Test Limit

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

9.2 Test Procedures

- a. The transmitter output was connected to the spectrum analyzer.
- b. Set RBW of spectrum analyzer to 100 KHz and VBW to 300 KHz.
- c. Set spectrum analyzer X dB to 6 dB.
- d. Set spectrum analyzer peak detector with maximum hold.

9.3 Test Setup Layout





9.4 Test Result and Data

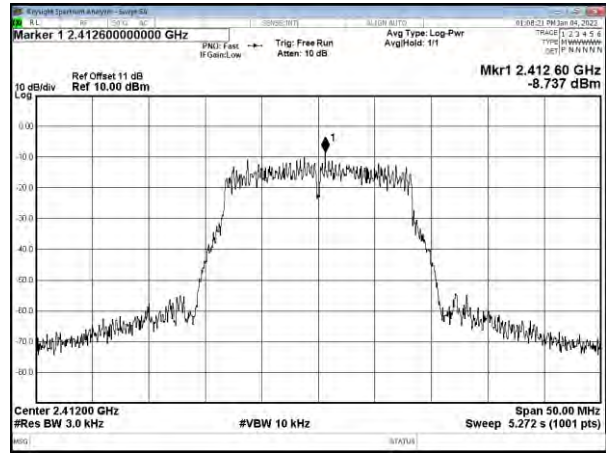
Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (MHz)
			ANT A	ANT B	
IEEE 802.11b	01	2412	8.08	8.10	0.5
	06	2437	8.13	8.12	0.5
	11	2462	8.12	8.11	0.5
IEEE 802.11g	01	2412	15.17	15.12	0.5
	06	2437	15.18	15.17	0.5
	11	2462	15.17	15.35	0.5
IEEE 802.11n HT20	01	2412	15.17	15.19	0.5
	06	2437	15.18	15.16	0.5
	11	2462	15.16	14.78	0.5
IEEE 802.11n HT40	03	2422	35.15	35.15	0.5
	06	2437	35.16	35.16	0.5
	09	2452	35.15	35.16	0.5
IEEE 802.11ax HE20	01	2412	18.60	18.08	0.5
	06	2437	18.73	18.59	0.5
	11	2462	18.71	17.60	0.5
IEEE 802.11ax HE40	03	2422	37.10	37.04	0.5
	06	2437	37.59	36.81	0.5
	09	2452	37.67	37.07	0.5



Modulation Type: 802.11b
CH01



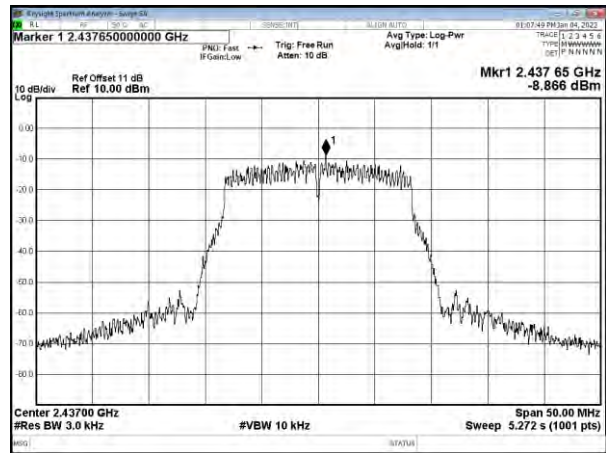
Modulation Type: 802.11g
CH01



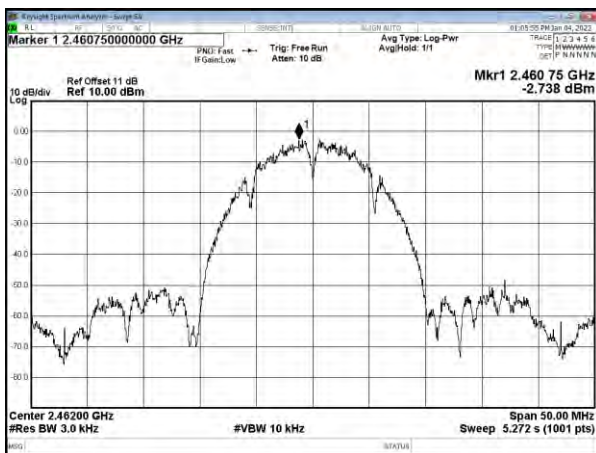
CH06



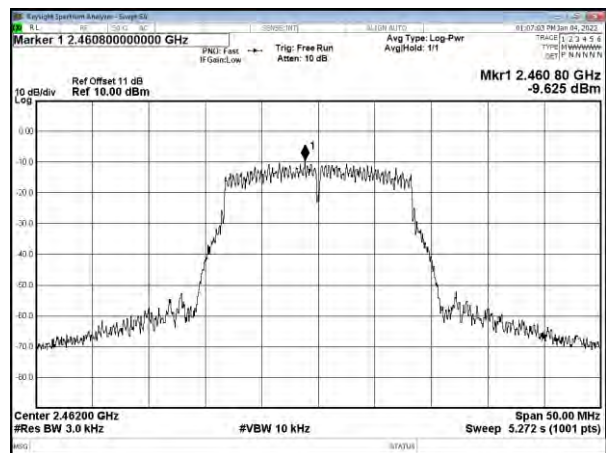
CH06



CH11

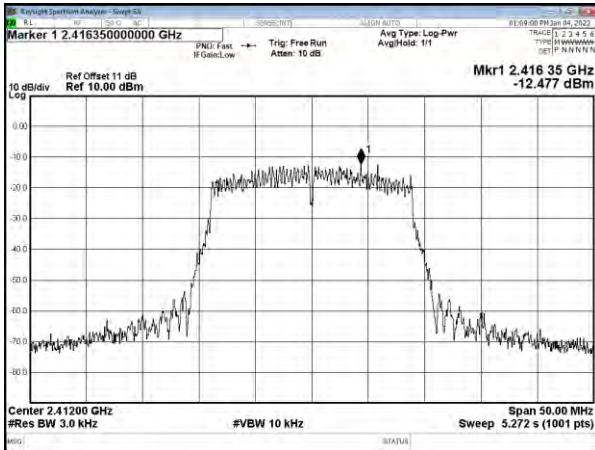


CH11

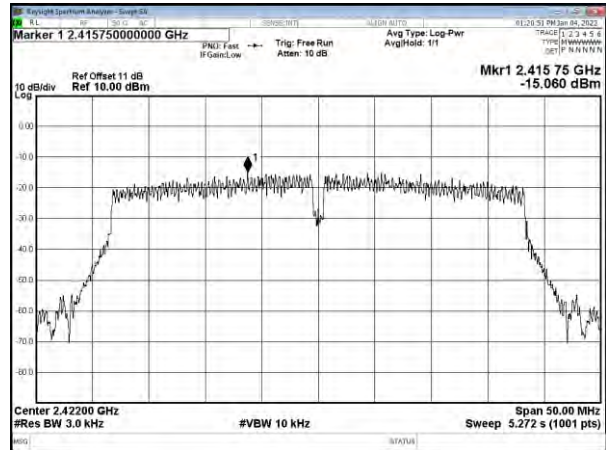




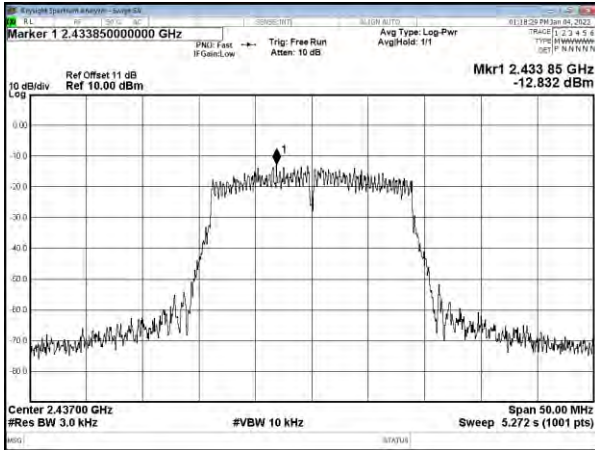
Modulation Type: IEEE 802.11n HT20
CH01



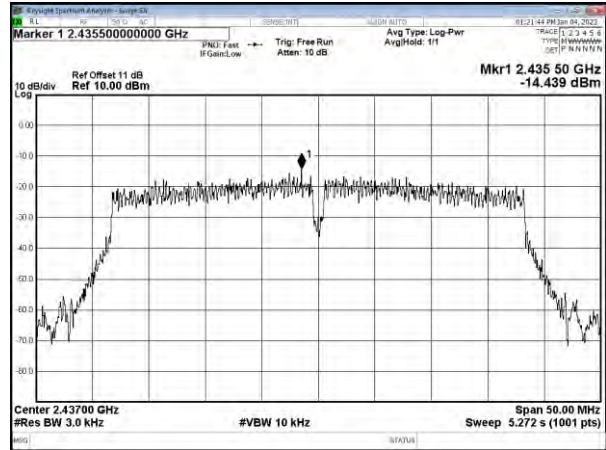
Modulation Type: IEEE 802.11n HT40
CH03



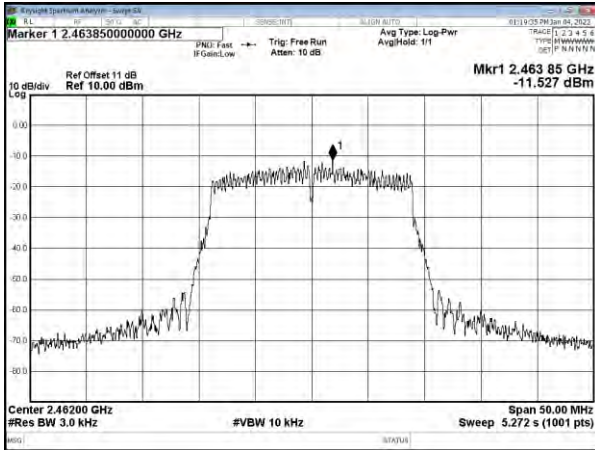
CH06



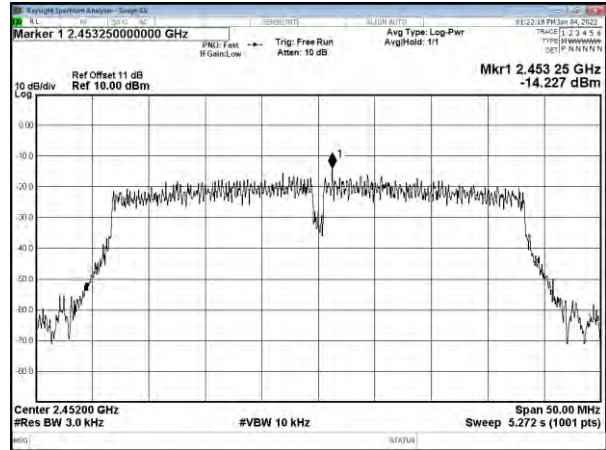
CH06



CH11

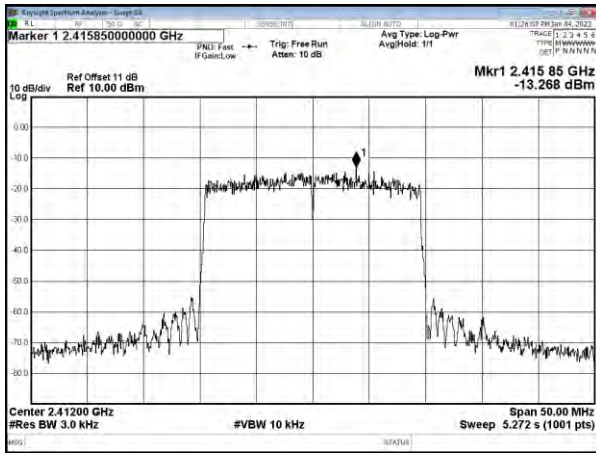


CH09

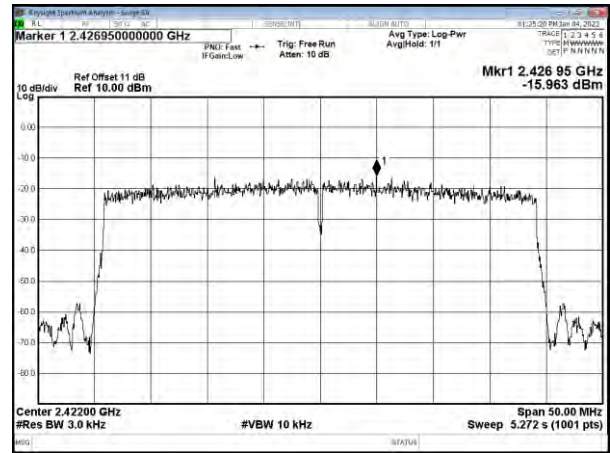




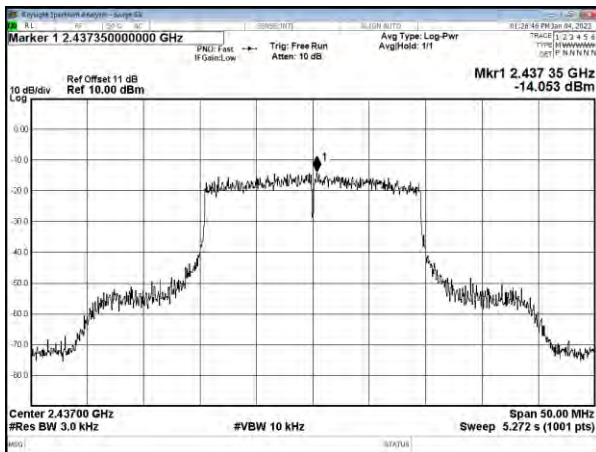
Modulation Type: IEEE 802.11ax HE20
CH01



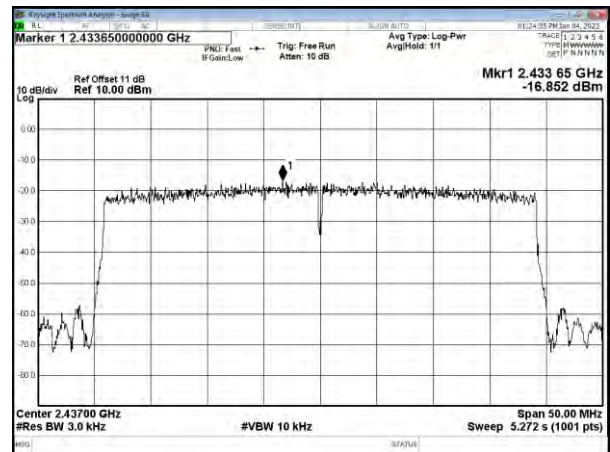
Modulation Type: IEEE 802.11ax HE40
CH03



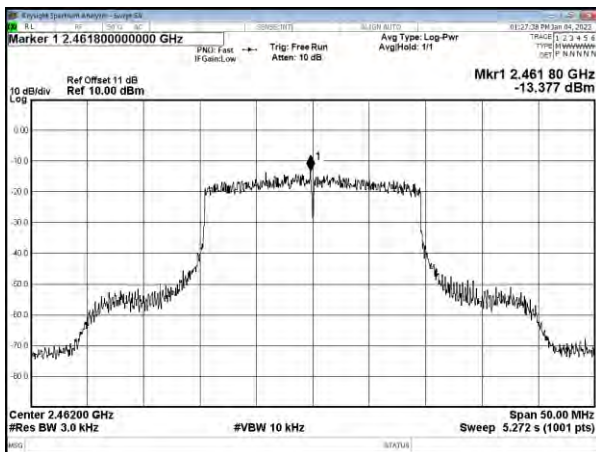
CH06



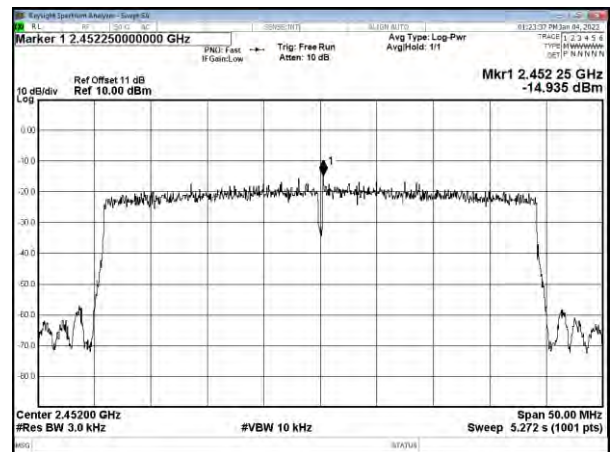
CH06



CH11

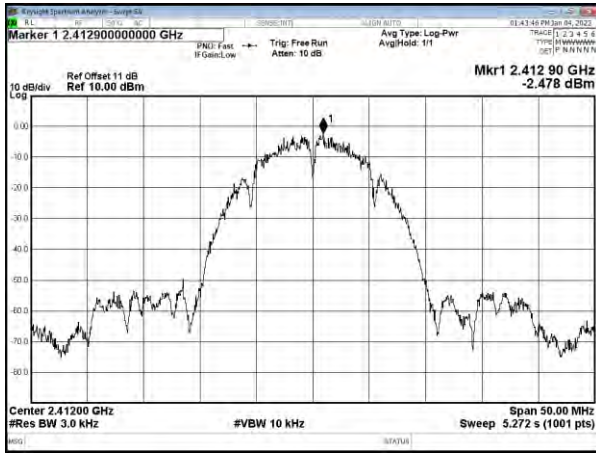


CH09

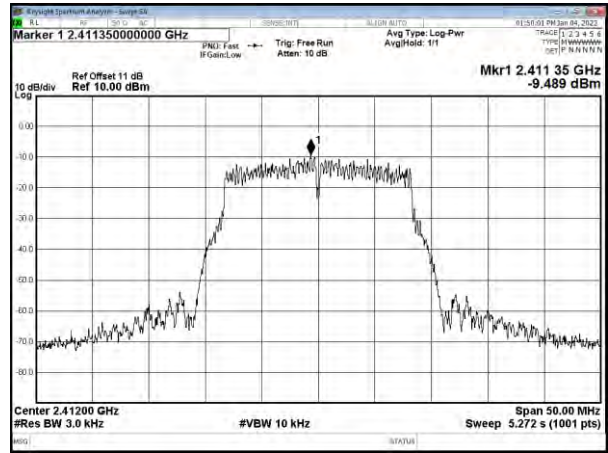




Modulation Type: 802.11b
CH01



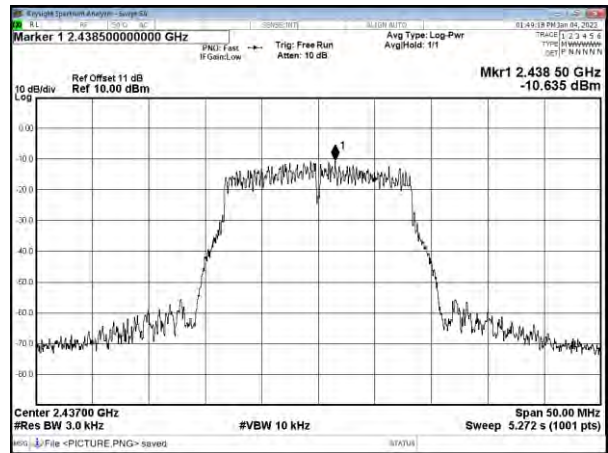
Modulation Type: 802.11g
CH01



CH06



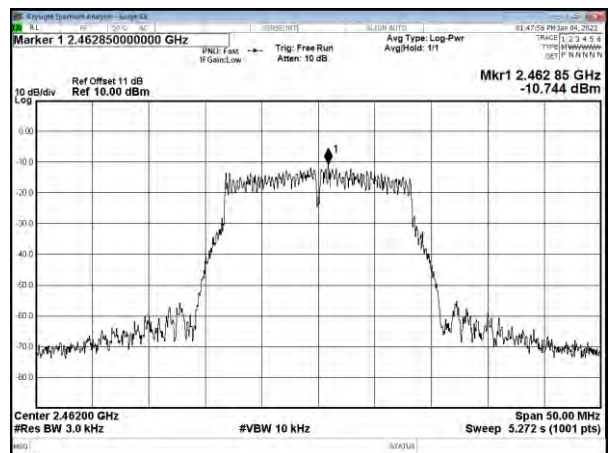
CH06



CH11

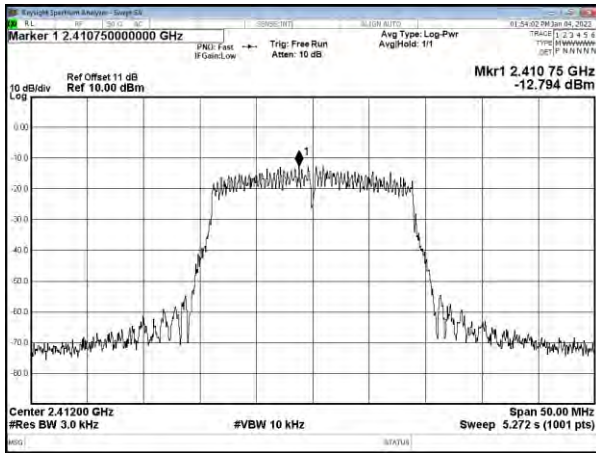


CH11

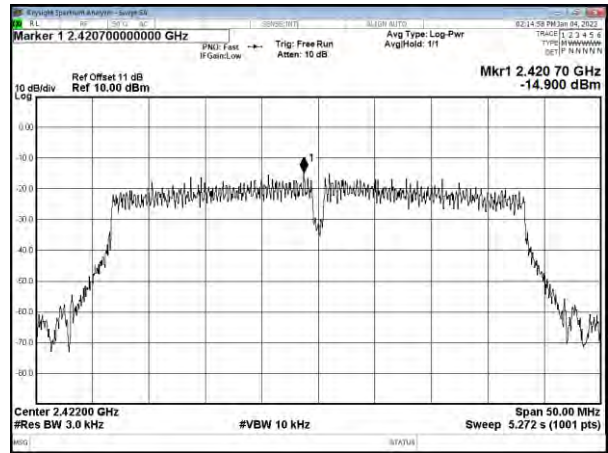




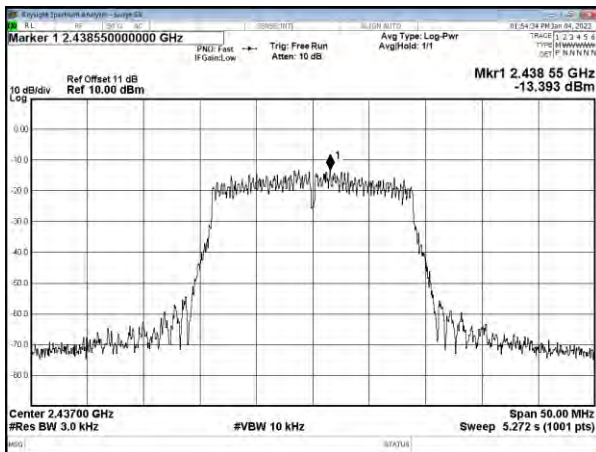
Modulation Type: IEEE 802.11n HT20
CH01



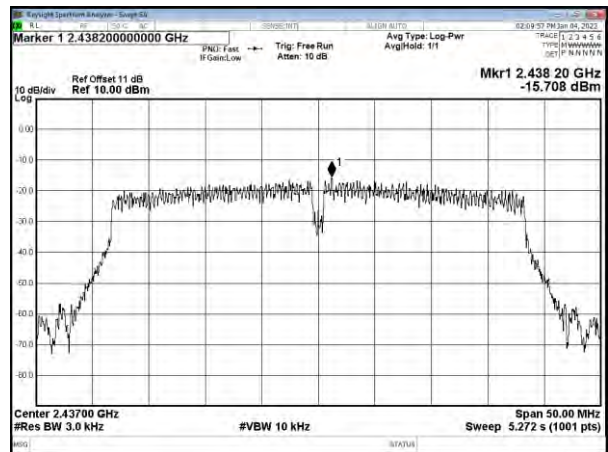
Modulation Type: IEEE 802.11n HT40
CH03



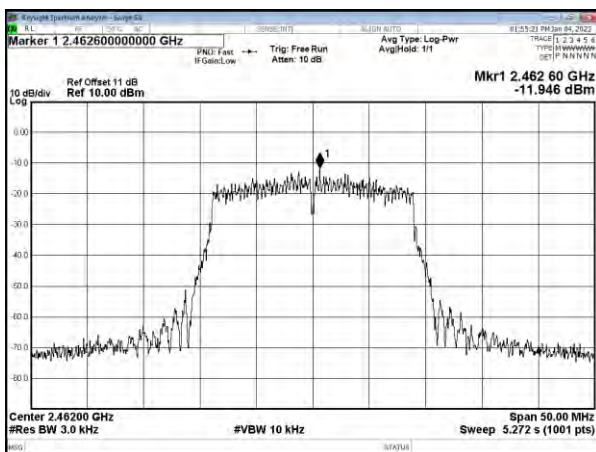
CH06



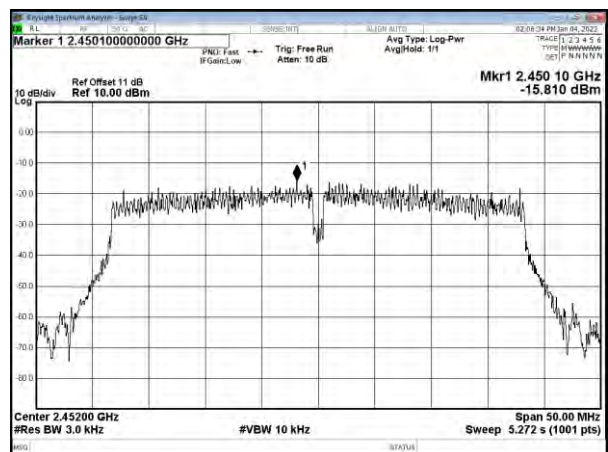
CH06



CH11

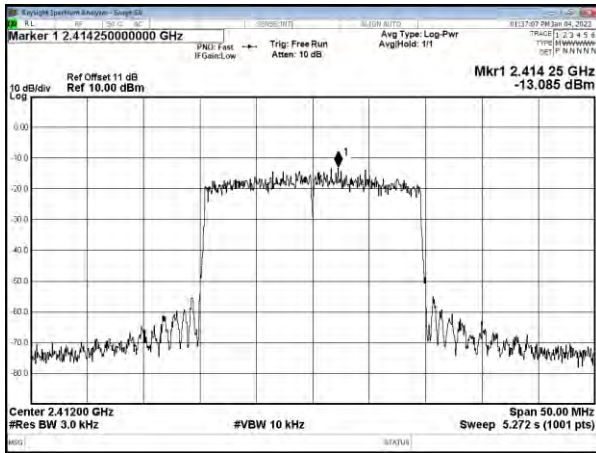


CH09

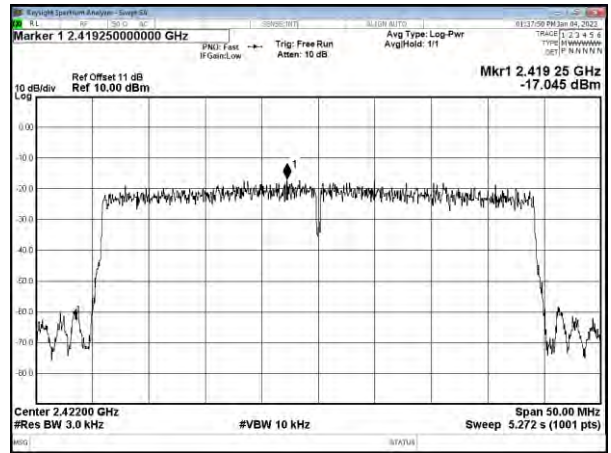




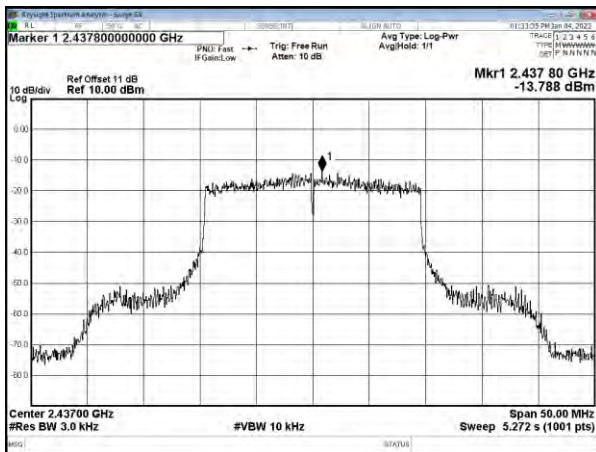
Modulation Type: IEEE 802.11ax HE20
CH01



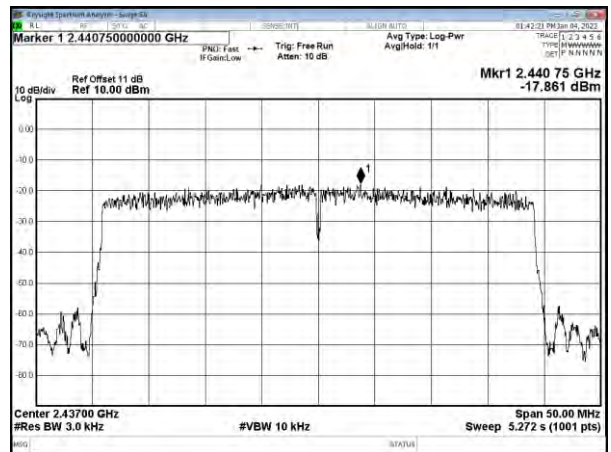
Modulation Type: IEEE 802.11ax HE40
CH03



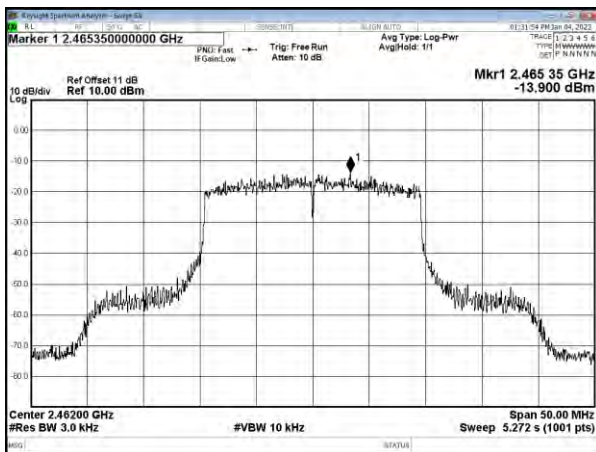
CH06



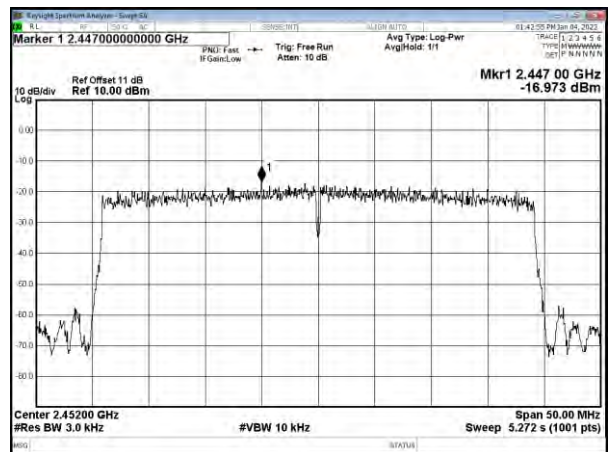
CH06



CH11



CH09





10. Maximum Peak Output Power

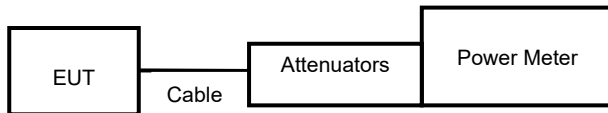
10.1 Test Limit

The Maximum Peak Output Power Measurement is 30dBm.

10.2 Test Procedures

The antenna port (RF output) of the EUT was connected to the input (RF input) of a power meter. Power was read directly from the meter and cable loss connection was added to the reading to obtain power at the EUT antenna terminal. The EUT Output Power was set to maximum to produce the worse case test result.

10.3 Test Setup Layout



**10.4 Test Result and Data****SISO**

Modulation Type	Channel	Frequency (MHz)	Conducted(peak) output power (dBm)		Conducted(peak) output power (mw)		Power Limit (dBm)
			ANT A	ANT B	ANT A	ANT B	
11b	1	2412	23.47	22.82	222.331	191.426	30.00
	6	2437	23.24	22.26	210.863	168.267	30.00
	11	2462	23.22	22.05	209.894	160.325	30.00
11g	1	2412	22.79	22.81	190.108	190.985	30.00
	6	2437	22.72	22.28	187.068	169.044	30.00
	11	2462	23.02	22.14	200.447	163.682	30.00
11n HT20	1	2412	20.79	20.89	119.950	122.744	30.00
	6	2437	20.49	20.40	111.944	109.648	30.00
	11	2462	20.65	20.31	116.145	107.399	30.00
11n HT40	3	2422	20.58	20.47	114.288	111.429	30.00
	6	2437	20.51	20.34	112.460	108.143	30.00
	9	2452	20.51	20.42	112.460	110.154	30.00
802.11ax HE20	1	2412	21.89	22.41	154.525	174.181	30.00
	6	2437	21.46	22.13	139.959	163.305	30.00
	11	2462	20.91	22.18	123.310	165.196	30.00
802.11ax HE40	3	2422	22.02	21.94	159.221	156.315	30.00
	6	2437	21.84	22.01	152.757	158.855	30.00
	9	2452	21.29	22.01	134.586	158.855	30.00

MIMO

Modulation Type	Channel	Frequency (MHz)	Conducted(peak) output power (dBm)		Total peak power (dBm)	Total peak power (mW)	Power Limit (dBm)
			ANT A	ANT B			
11n HT20	1	2412	21.02	20.91	23.98	249.784	29.36
	6	2437	20.76	20.50	23.64	231.326	29.36
	11	2462	20.70	20.29	23.51	224.395	29.36
11n HT40	3	2422	20.58	20.83	23.72	235.348	29.36
	6	2437	20.75	20.70	23.74	236.340	29.36
	9	2452	20.61	20.43	23.53	225.488	29.36
802.11ax HE20	1	2412	22.17	22.14	25.17	328.498	29.36
	6	2437	22.05	21.32	24.71	295.843	29.36
	11	2462	22.01	21.25	24.66	292.207	29.36
802.11ax HE40	3	2422	22.04	21.84	24.95	312.712	29.36
	6	2437	22.02	21.58	24.82	303.101	29.36
	9	2452	21.97	21.55	24.78	300.288	29.36



11. Power Spectral Density

11.1 Test Limit

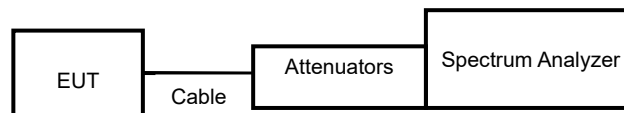
The Maximum of Power Spectral Density Measurement is 8dBm.

If transmitting antennas of directional gain greater than 6 dBi are used, the power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

11.2 Test Procedures

- a. The transmitter output was connected to spectrum analyzer.
- b. The spectrum analyzer's resolution bandwidth were set at 3kHz RBW and 10KHz VBW as that of the fundamental frequency. Set the sweep time=auto couple.
- c. The power spectral density was measured and recorded.

11.3 Test Setup Layout



**11.4 Test Result and Data****SISO**

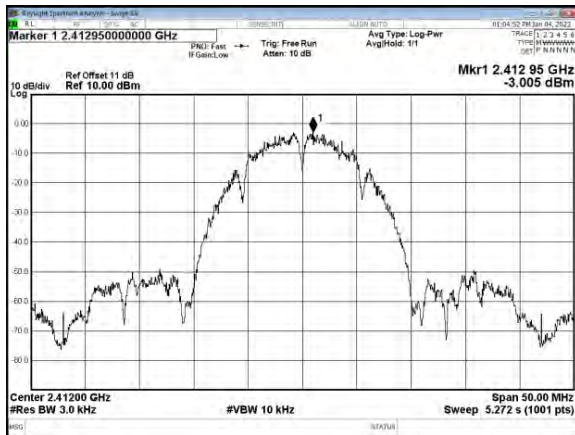
Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 3KHz Bandwidth(dBm)		Limit (dBm)
			ANT A	ANT B	
11b	1	2412	-3.005	-2.478	8.00
	6	2437	-3.286	-2.295	8.00
	11	2462	-2.738	-3.133	8.00
11g	1	2412	-8.737	-9.489	8.00
	6	2437	-8.866	-10.635	8.00
	11	2462	-9.625	-10.744	8.00
11n HT20	1	2412	-12.477	-12.794	8.00
	6	2437	-12.832	-13.393	8.00
	11	2462	-11.527	-11.946	8.00
11n HT40	3	2422	-15.060	-14.900	8.00
	6	2437	-14.439	-15.708	8.00
	9	2452	-14.227	-15.810	8.00
802.11ax HE20	1	2412	-13.268	-13.085	8.00
	6	2437	-14.053	-13.788	8.00
	11	2462	-13.377	-13.900	8.00
802.11ax HE40	3	2422	-15.963	-17.045	8.00
	6	2437	-16.852	-17.861	8.00
	9	2452	-14.935	-16.973	8.00

MMO

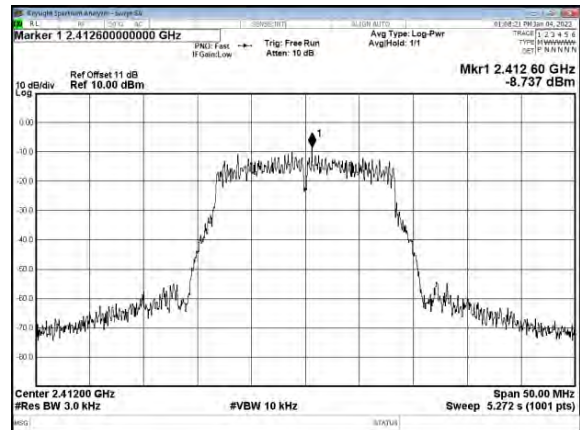
Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 3KHz Bandwidth(dBm)		Sum chain (dBm)	Limit (dBm)
			ANT A	ANT B		
11n HT20	1	2412	-11.238	-13.510	-9.22	7.36
	6	2437	-12.576	-12.653	-9.60	7.36
	11	2462	-12.816	-12.19	-9.48	7.36
11n HT40	3	2422	-14.506	-15.218	-11.84	7.36
	6	2437	-14.091	-16.652	-12.18	7.36
	9	2452	-14.026	-15.883	-11.85	7.36
802.11ax HE20	1	2412	-12.853	-12.996	-9.91	7.36
	6	2437	-14.100	-15.136	-11.58	7.36
	11	2462	-13.356	-14.774	-11.00	7.36
802.11ax HE40	3	2422	-14.303	-14.615	-11.45	7.36
	6	2437	-15.88	-15.738	-12.80	7.36
	9	2452	-15.231	-15.682	-12.44	7.36



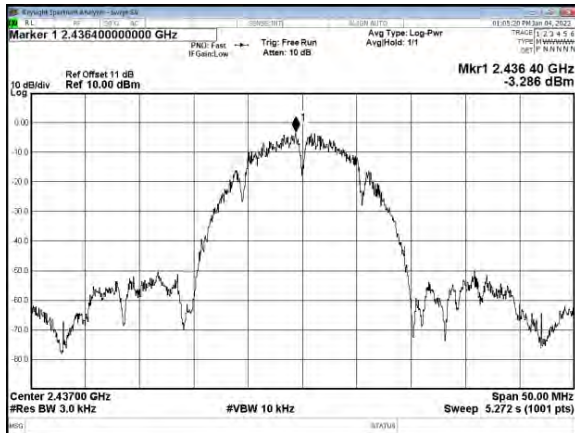
SISO (ANT A)
Modulation Type: 802.11b
CH01



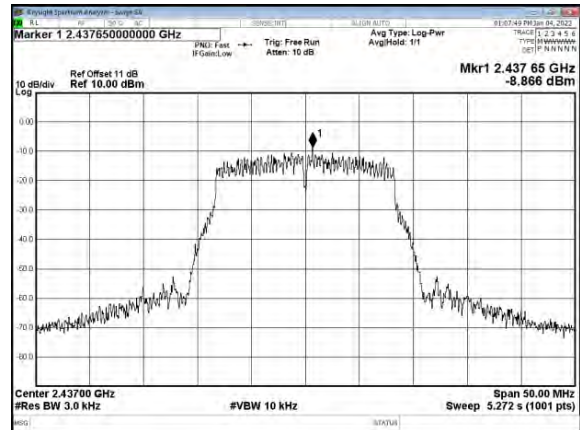
Modulation Type: 802.11g
CH01



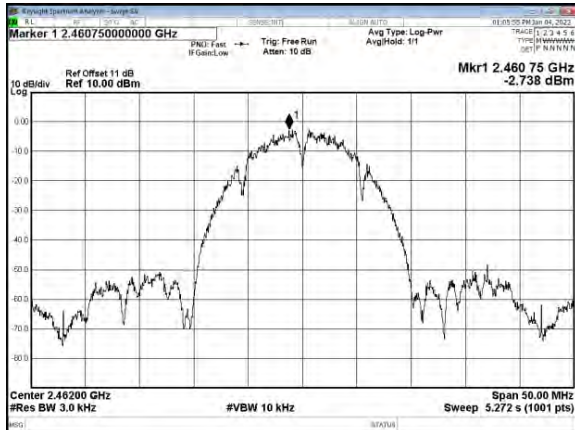
CH06



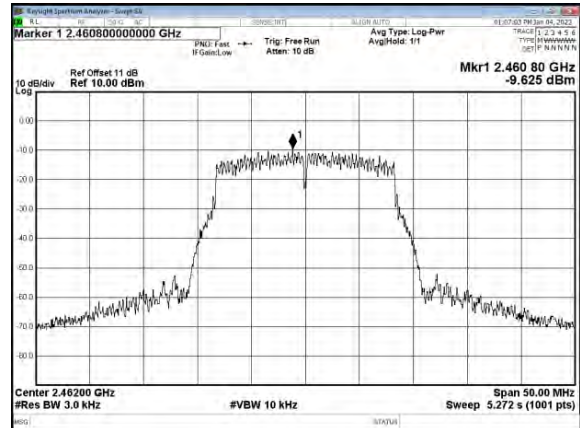
CH06



CH11

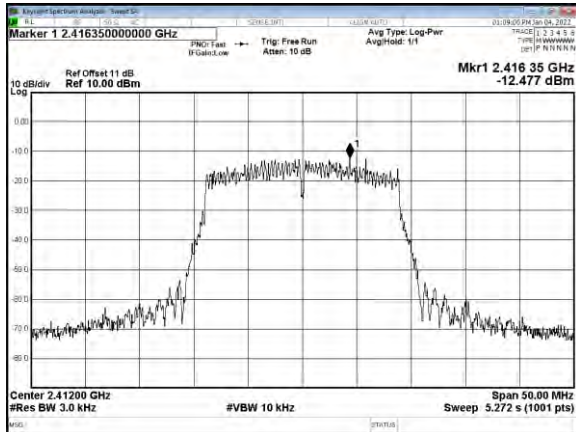


CH11

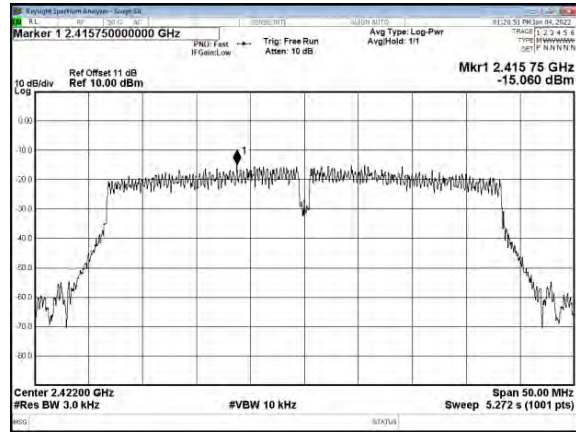




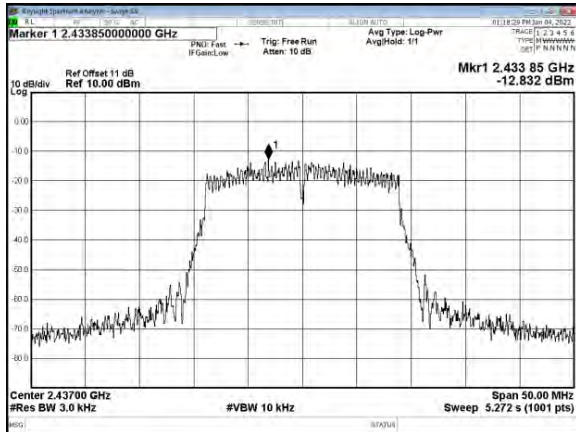
Modulation Type: 802.11n HT20
CH01



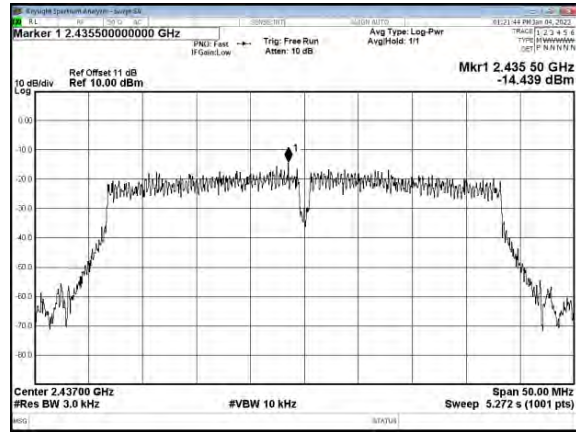
Modulation Type: 802.11n HT40
CH03



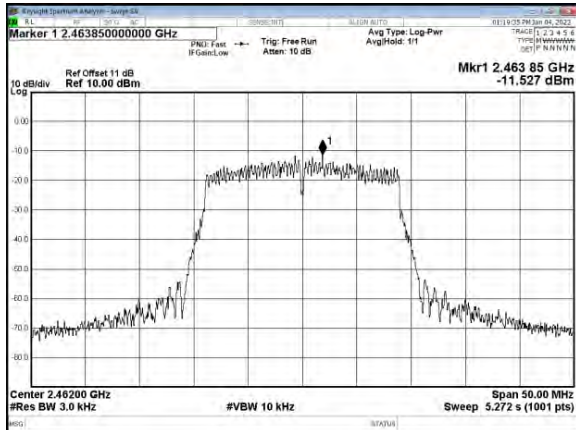
CH06



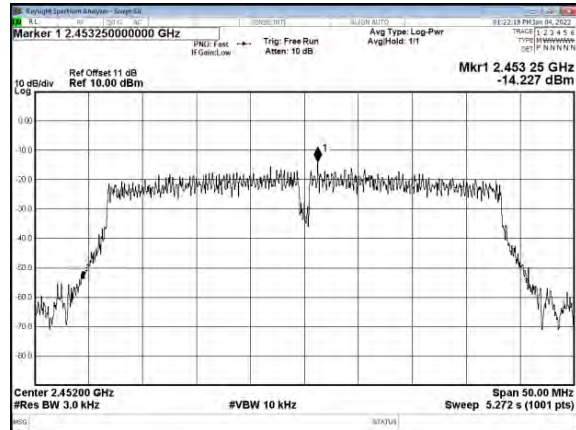
CH06



CH11

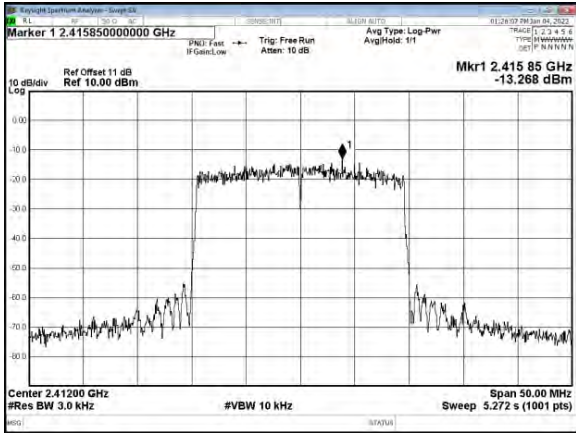


CH09

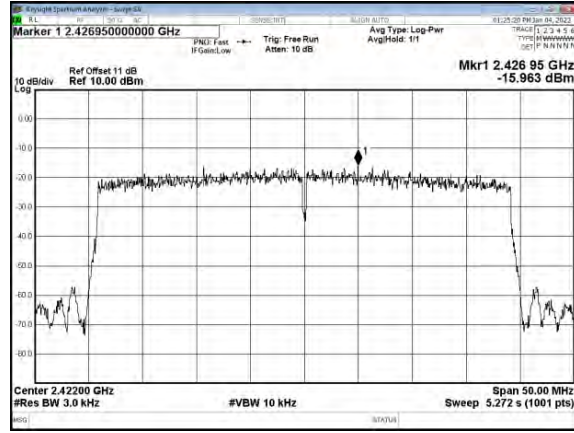




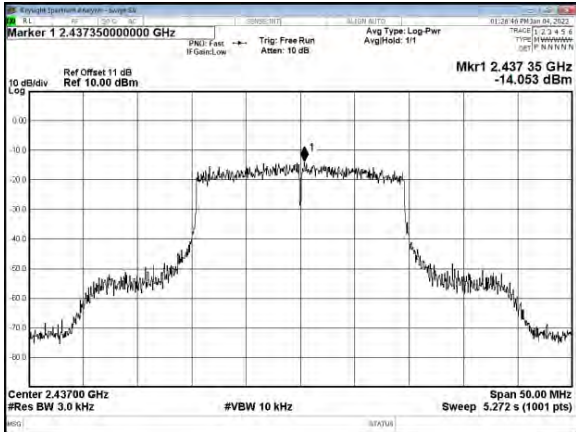
Modulation Type: 802.11ax HE20
CH01



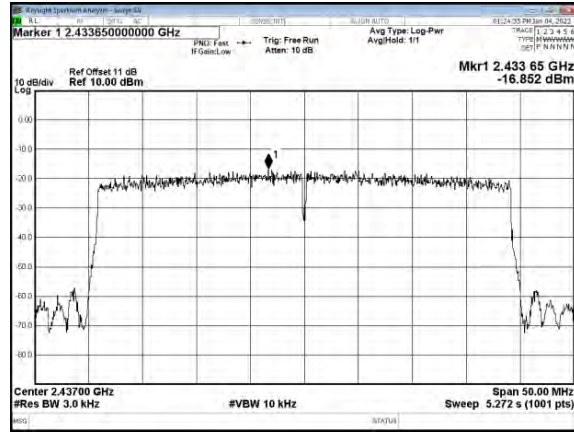
Modulation Type: 802.11ax HE40
CH03



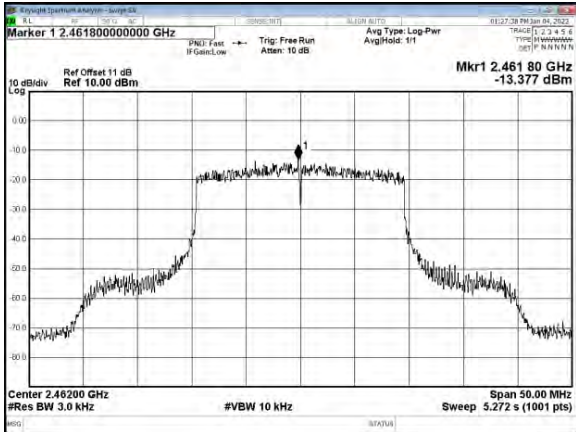
CH06



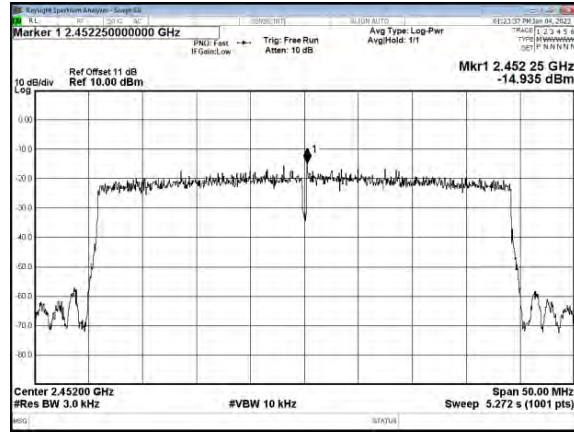
CH06



CH11

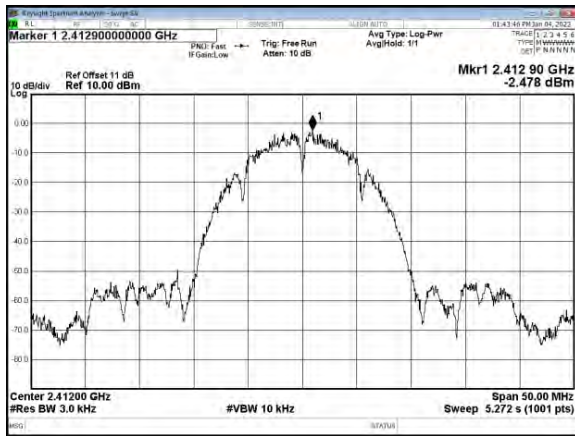


CH09

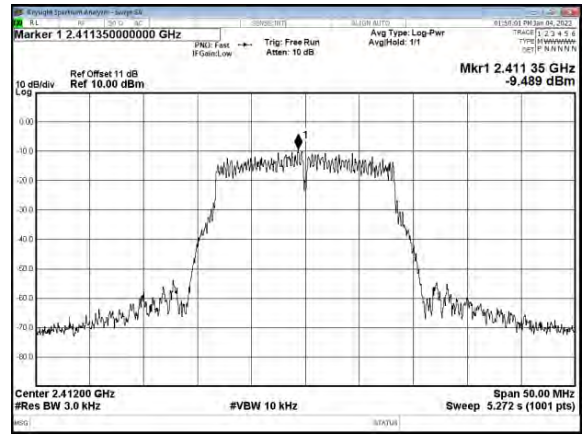




SISO (ANT B)
Modulation Type: 802.11b
CH01



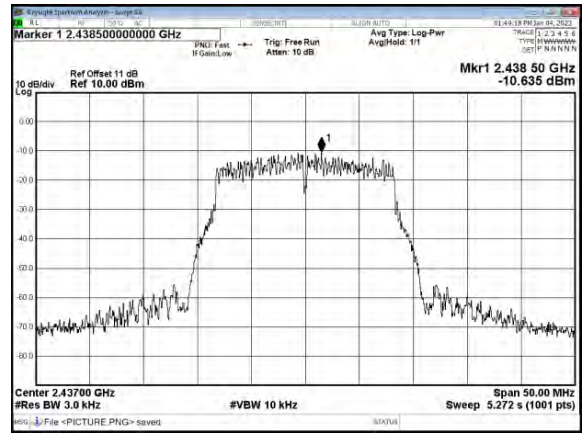
Modulation Type: 802.11g
CH01



CH06



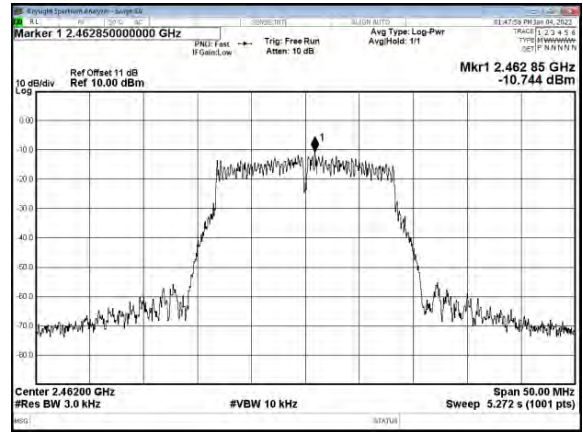
CH06



CH11

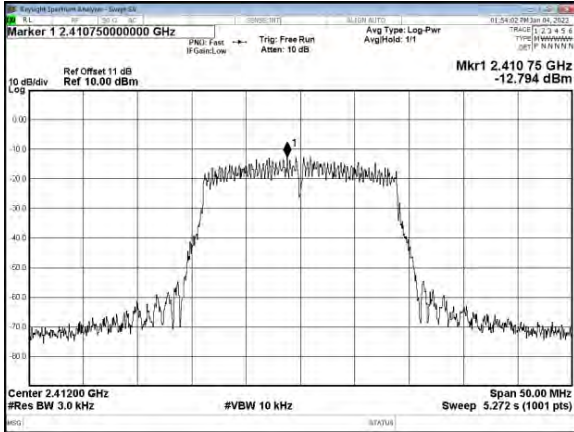


CH11

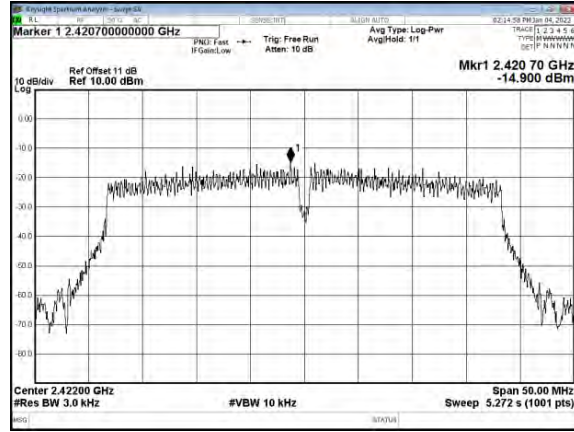




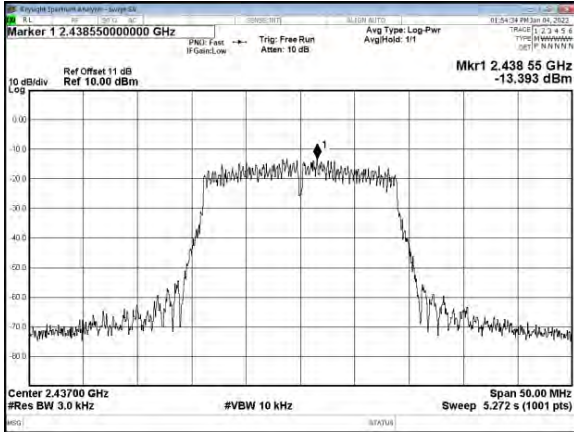
Modulation Type: 802.11n HT20
CH01



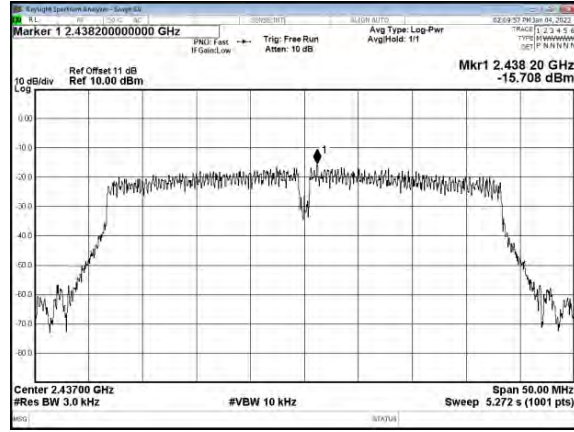
Modulation Type: 802.11n HT40
CH03



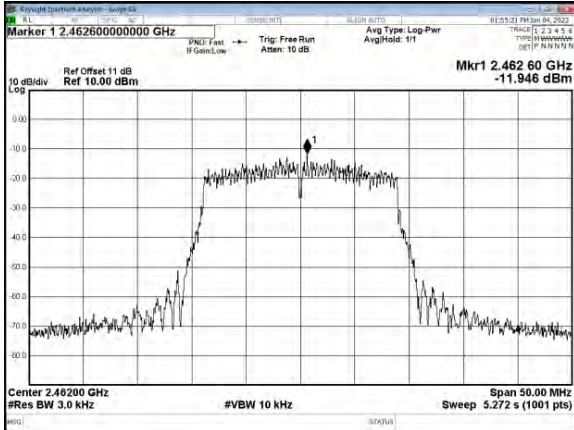
CH06



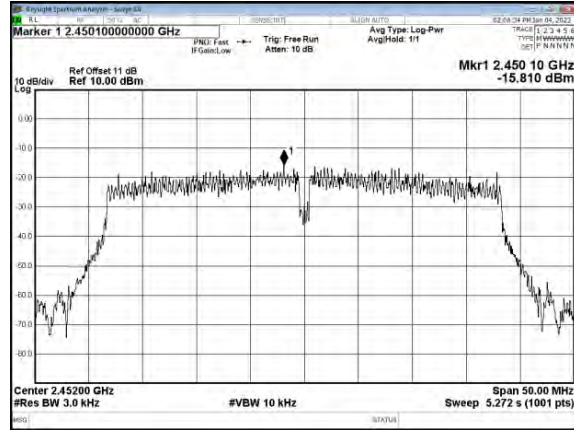
CH06



CH11

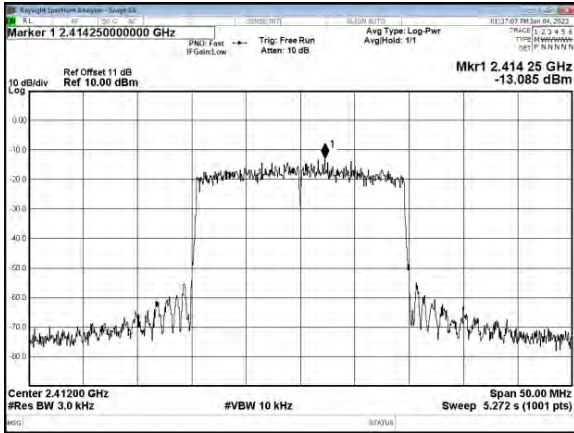


CH09

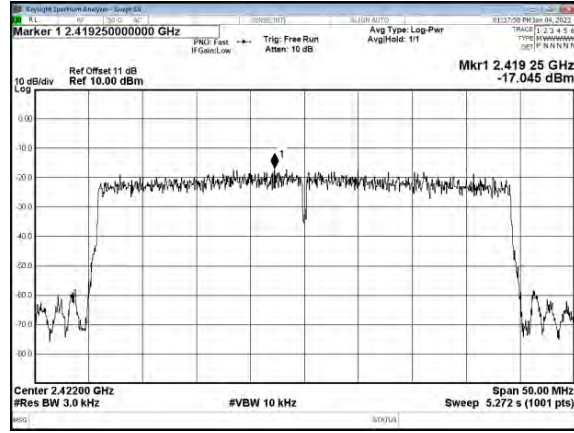




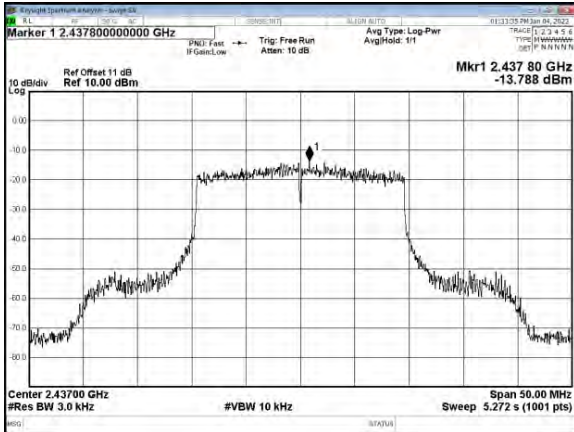
Modulation Type: 802.11ax HE20
CH01



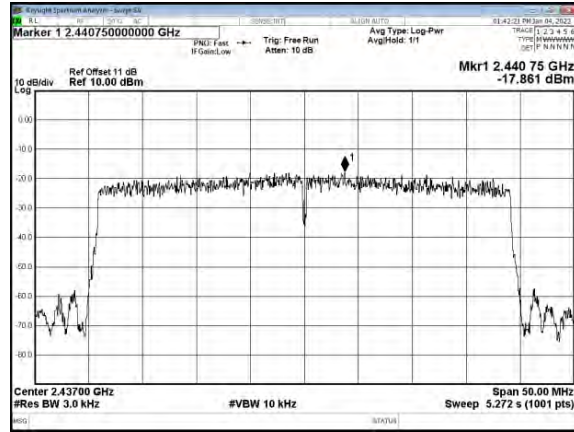
Modulation Type: 802.11ax HE40
CH03



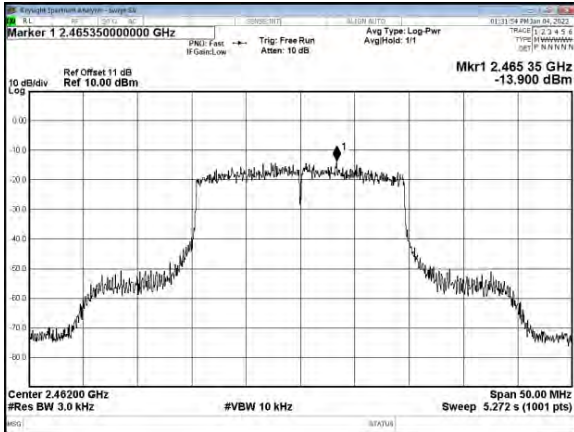
CH06



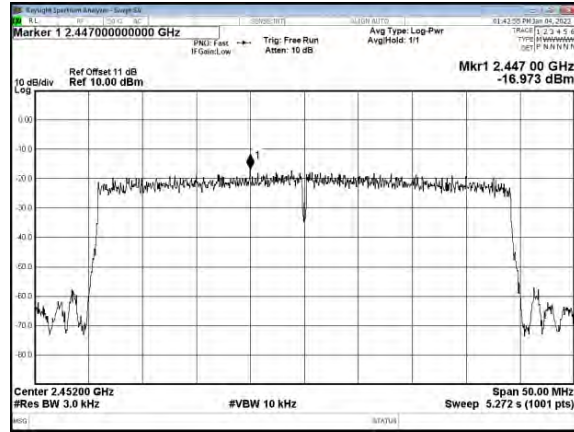
CH06



CH11



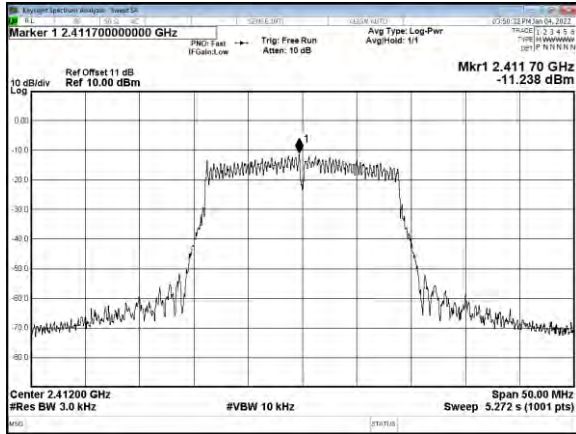
CH09



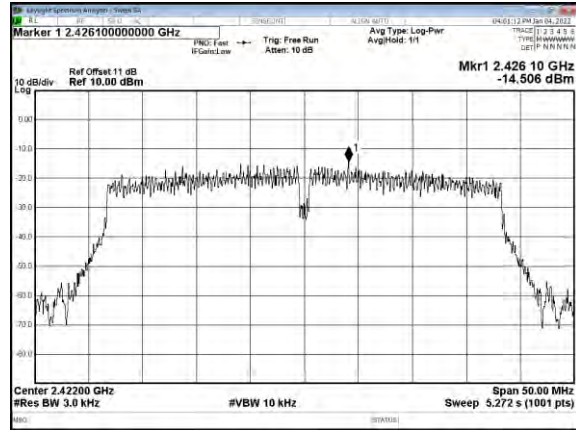


MIMO (ANT A)

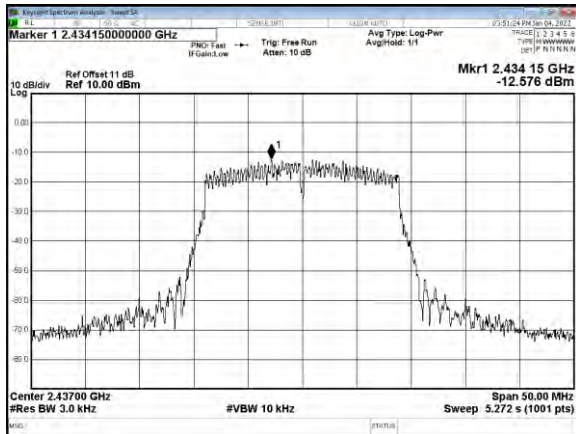
Modulation Type: 802.11n HT20
CH01



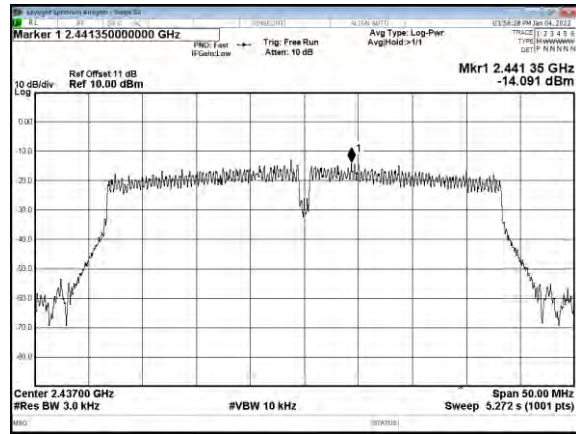
Modulation Type: 802.11n HT40
CH03



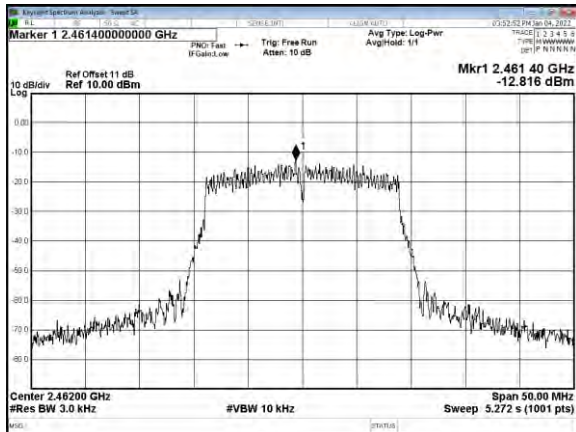
CH06



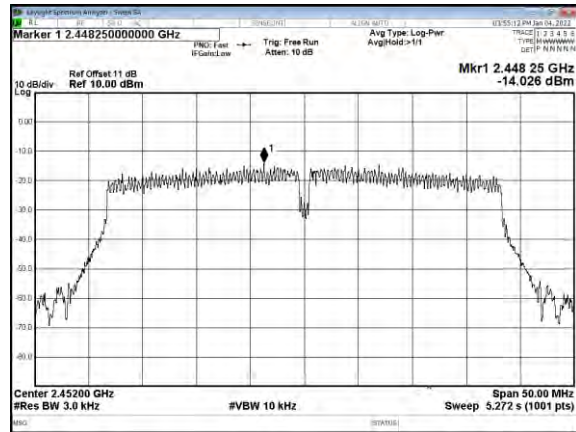
CH06



CH11

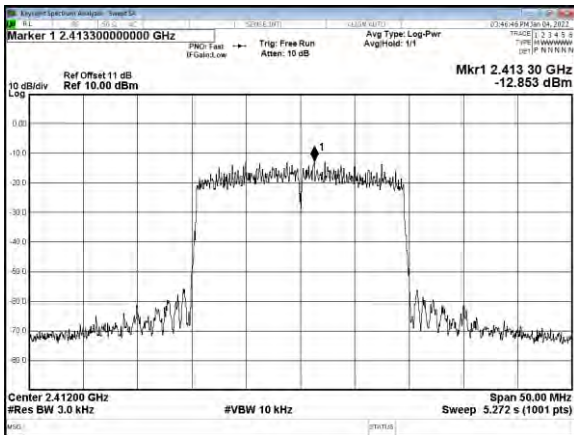


CH09

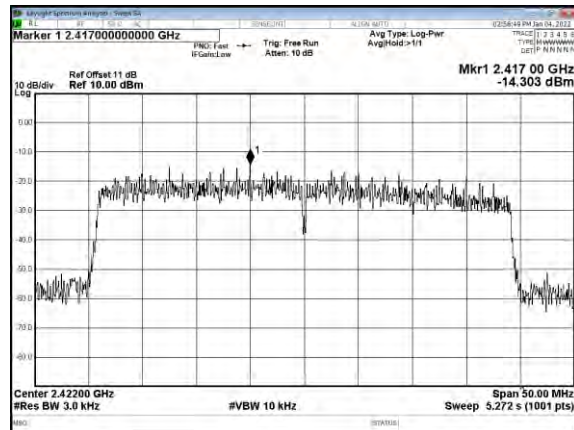




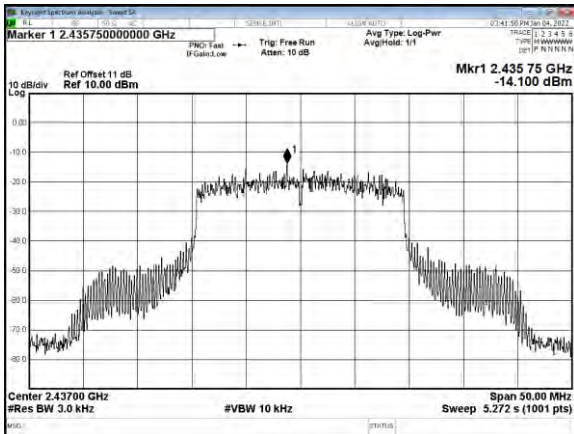
Modulation Type: 802.11ax HE20
CH01



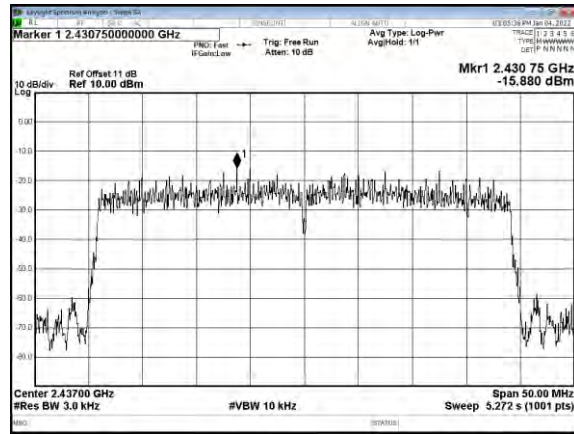
Modulation Type: 802.11ax HE40
CH03



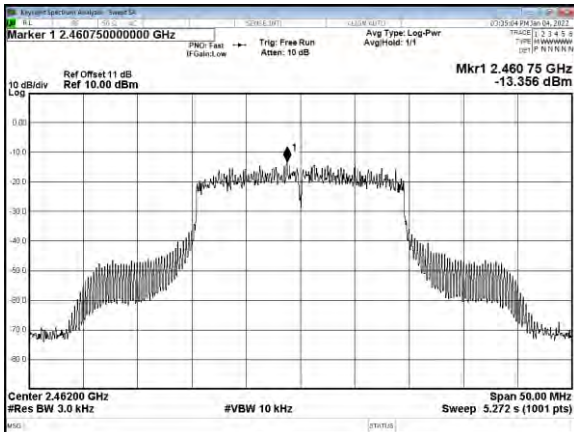
CH06



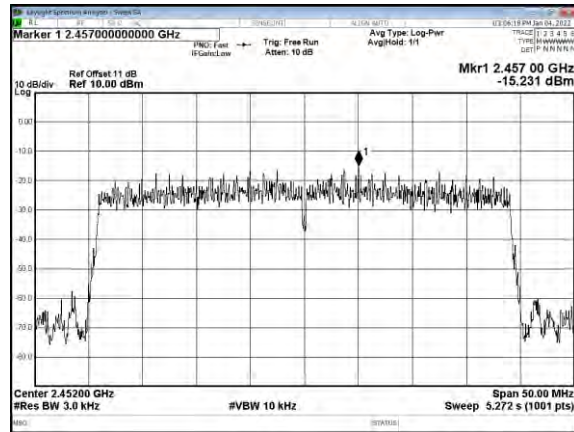
CH06



CH11



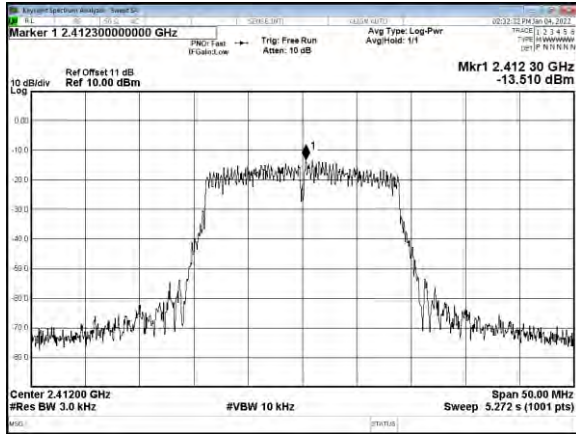
CH09



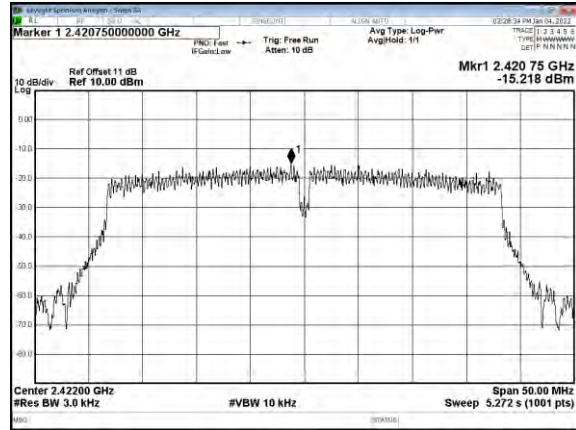


MIMO (ANT B)

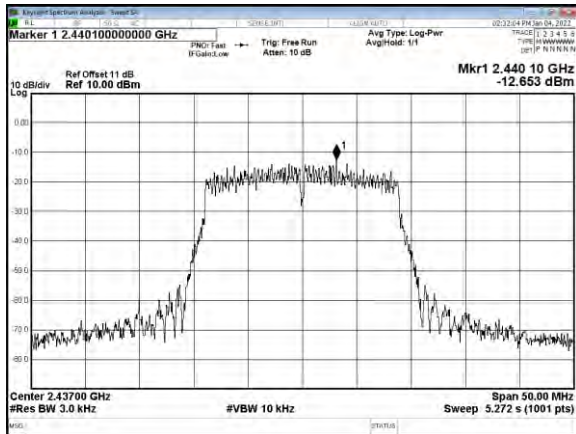
Modulation Type: 802.11n HT20
CH01



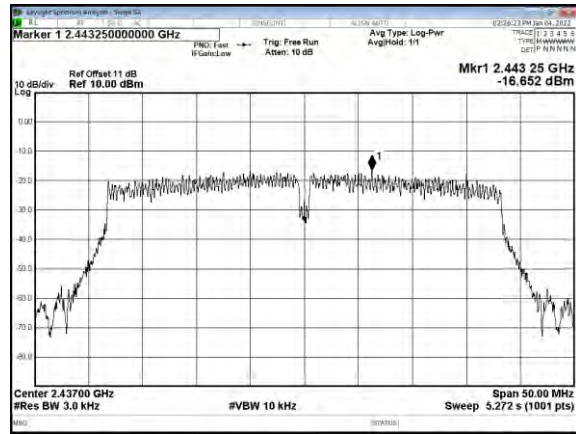
Modulation Type: 802.11n HT40
CH03



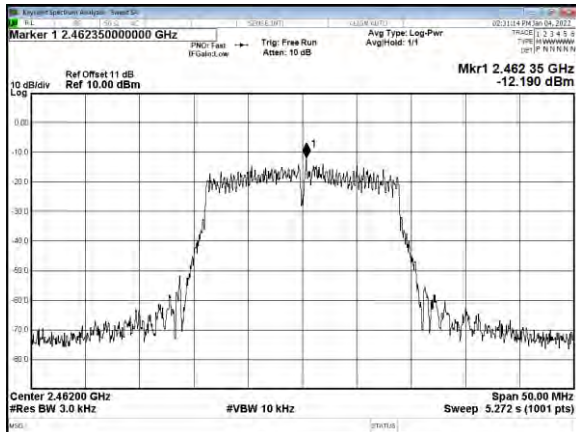
CH06



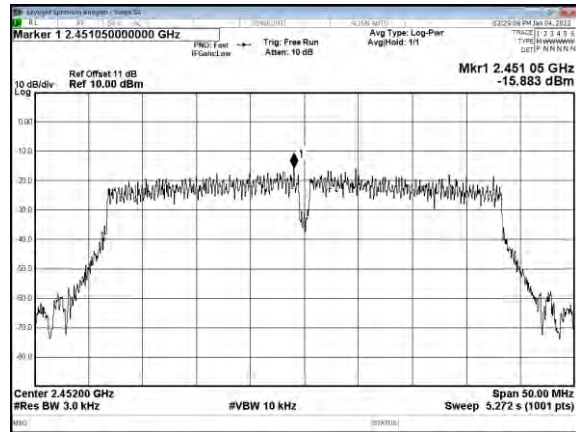
CH06



CH11

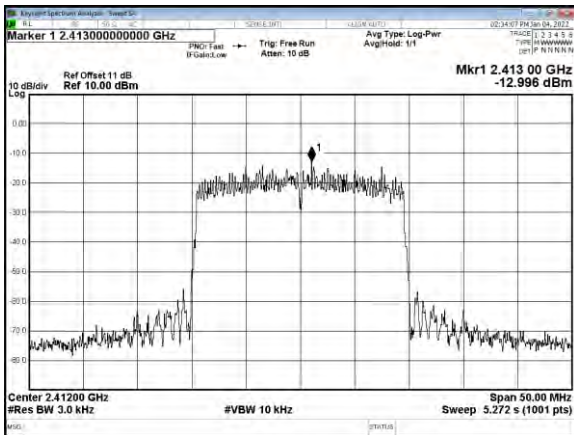


CH09

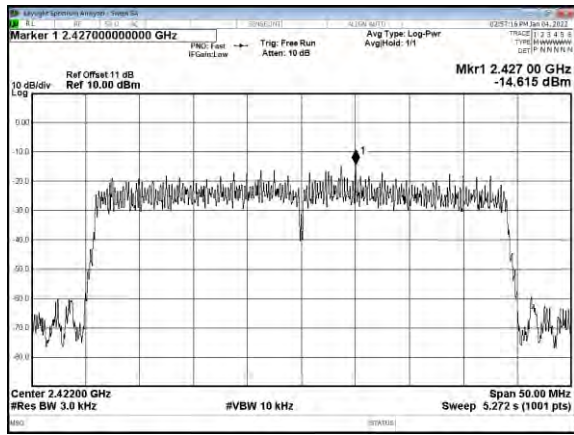




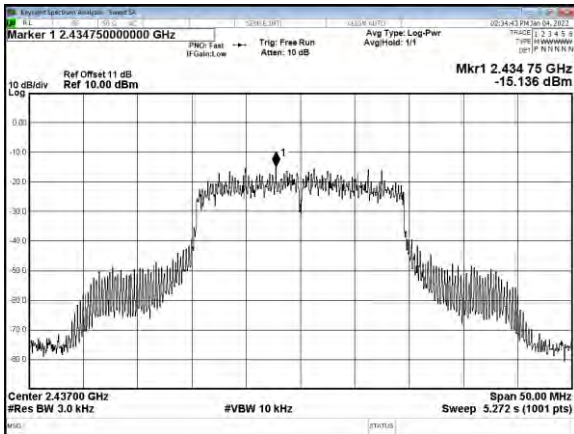
Modulation Type: 802.11ax HE20
CH01



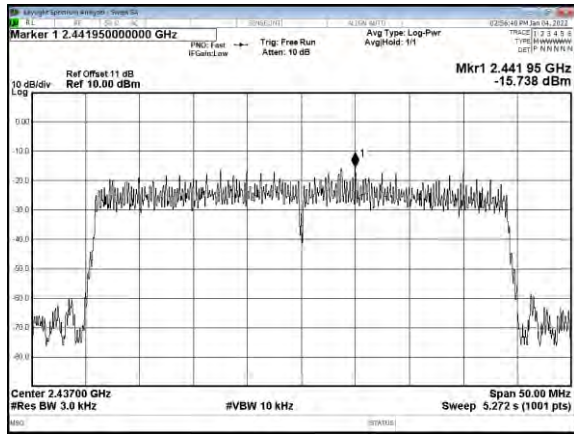
Modulation Type: 802.11ax HE40
CH03



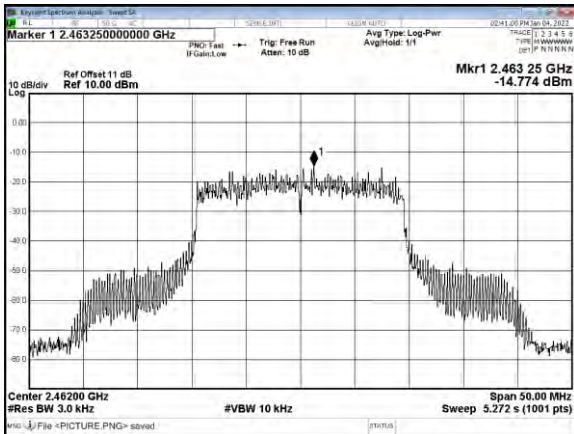
CH06



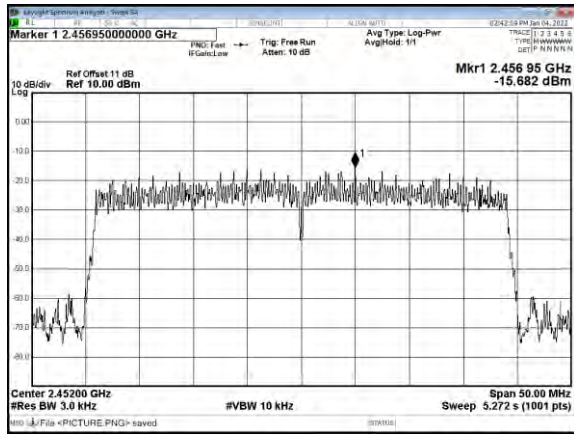
CH06



CH11



CH09



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