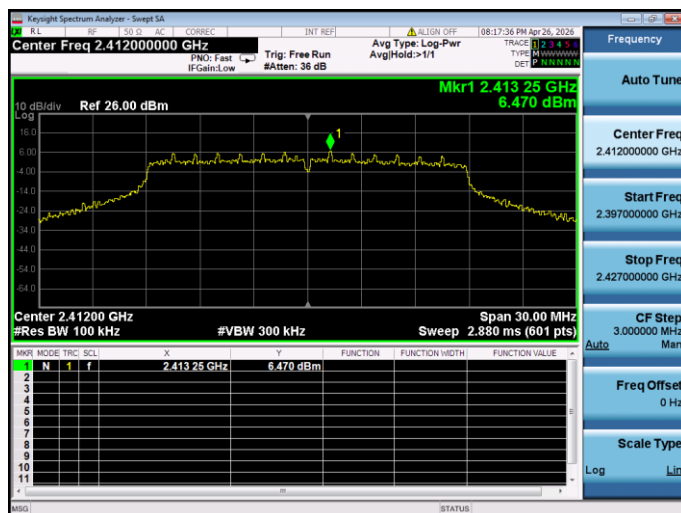
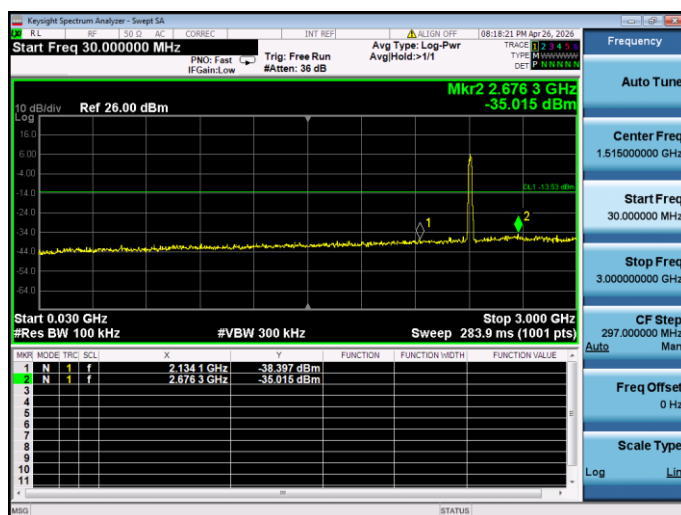


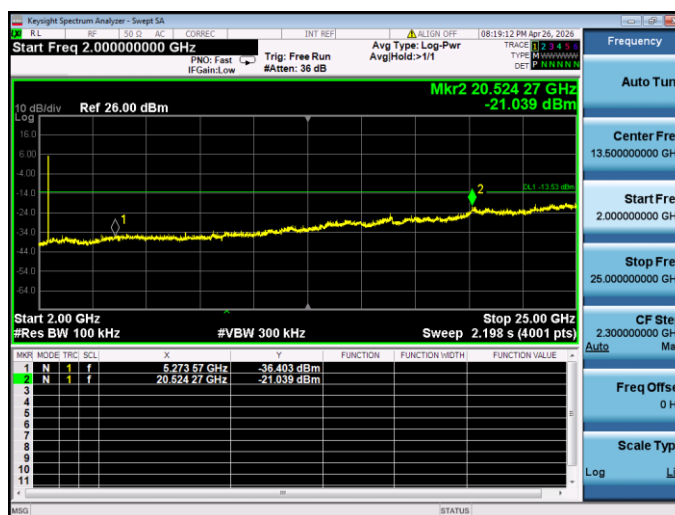
802.11g LOW CHANNEL CARRIER LEVEL



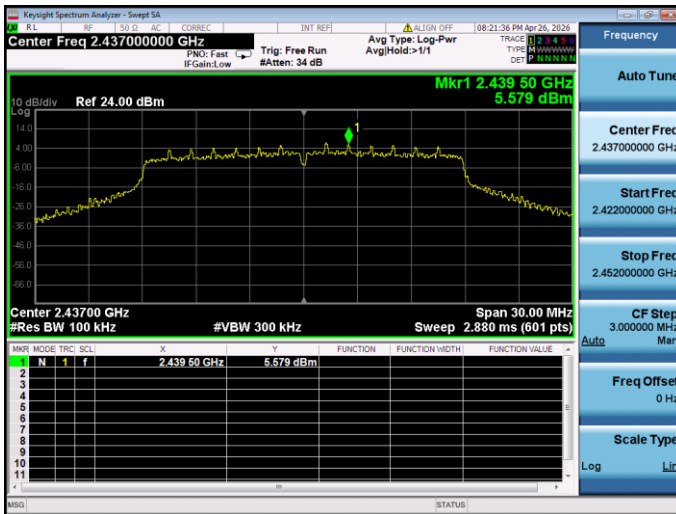
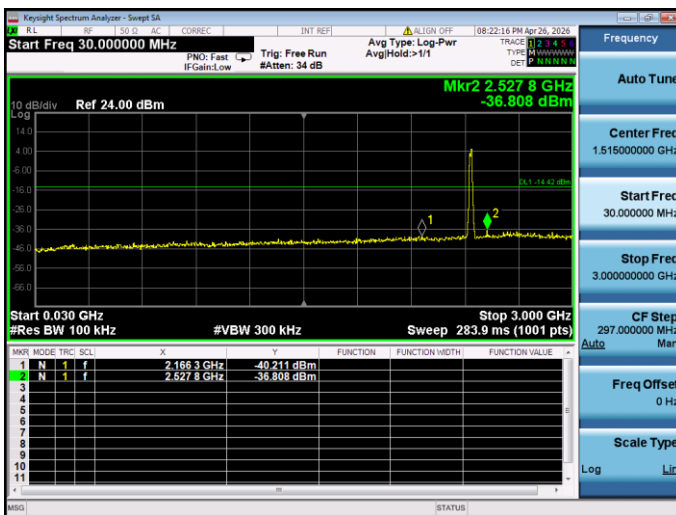
802.11g LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



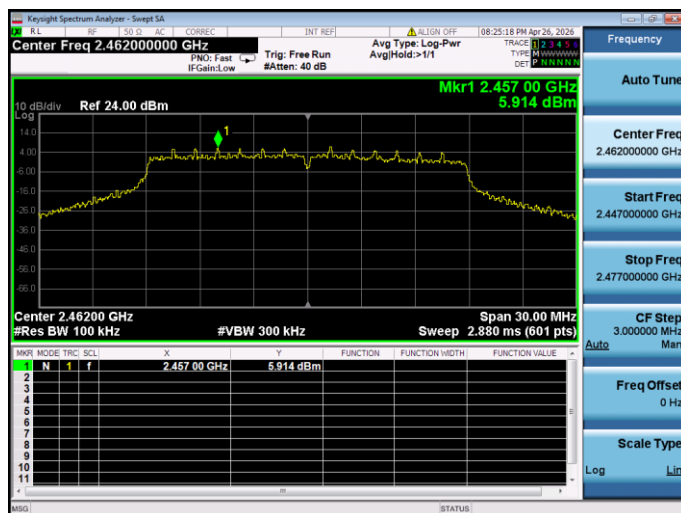
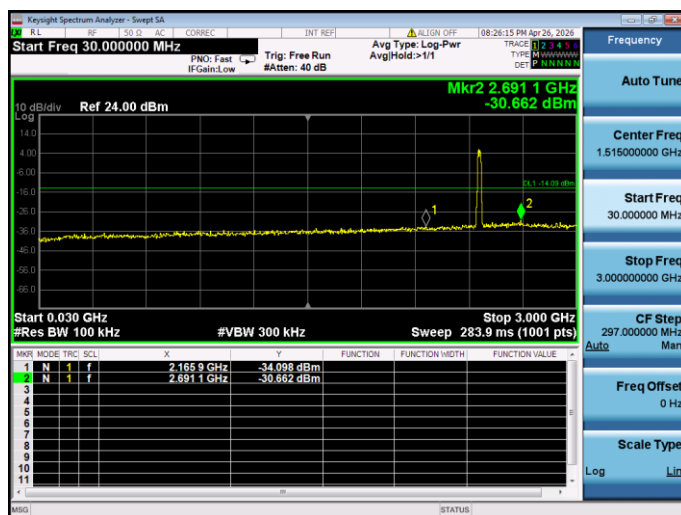
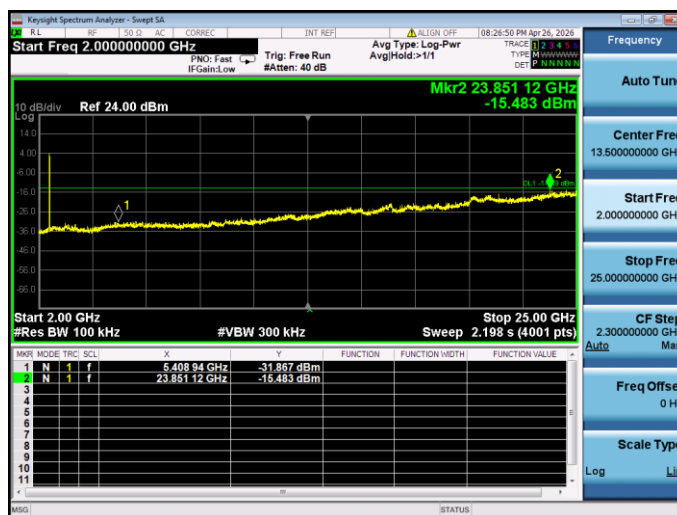
802.11g LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



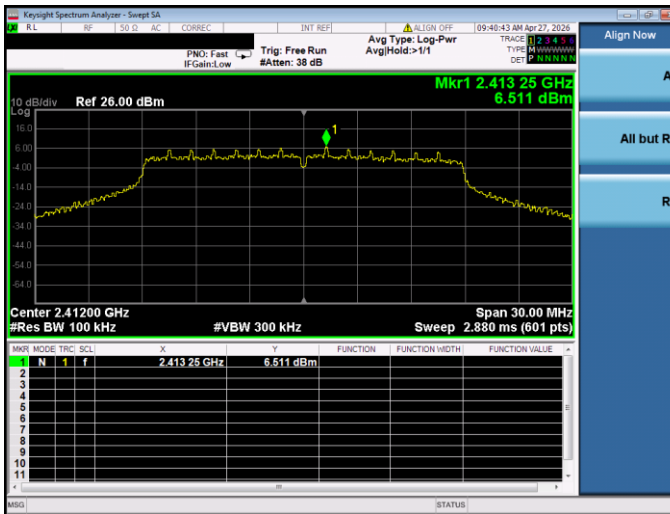
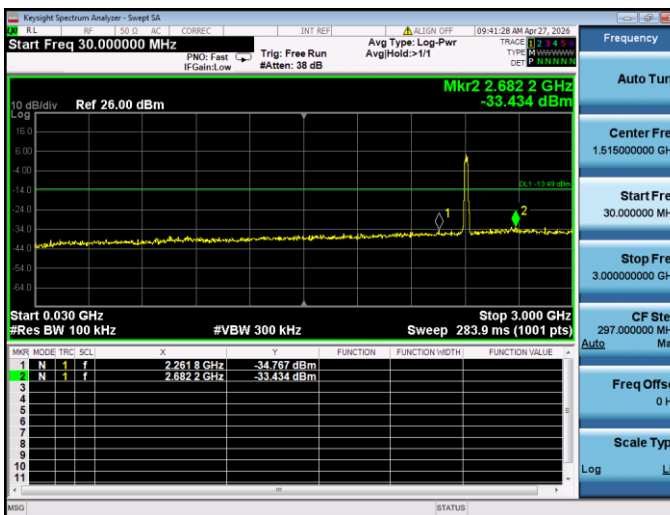
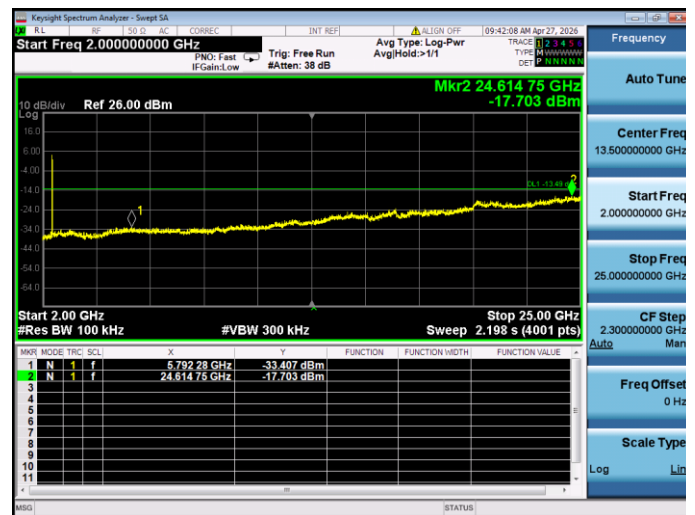
802.11g MIDDLE CHANNEL CARRIER LEVEL

802.11g MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11g MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

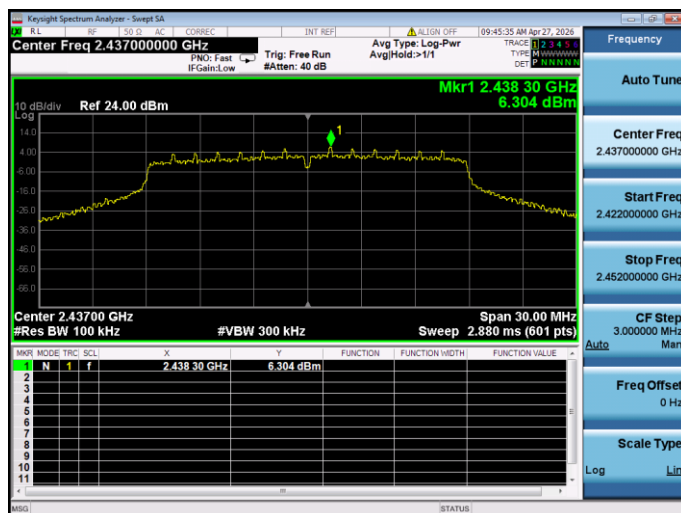
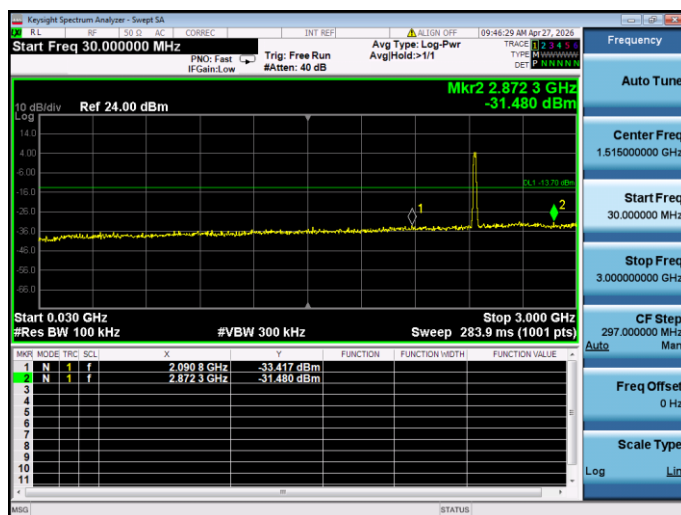
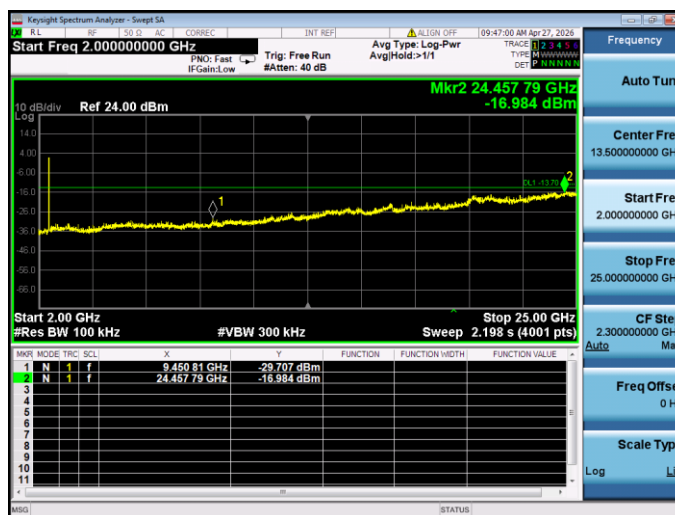
802.11g HIGH CHANNEL CARRIER LEVEL

802.11g HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11g HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

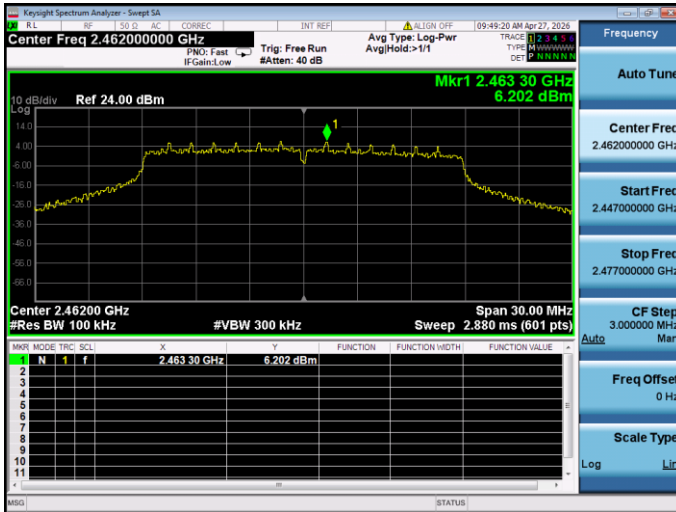
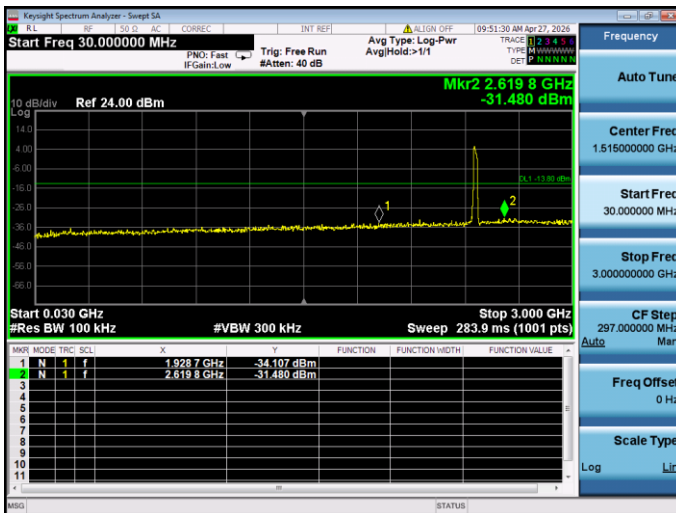
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

802.11n-20 MHz LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-20 MHz LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

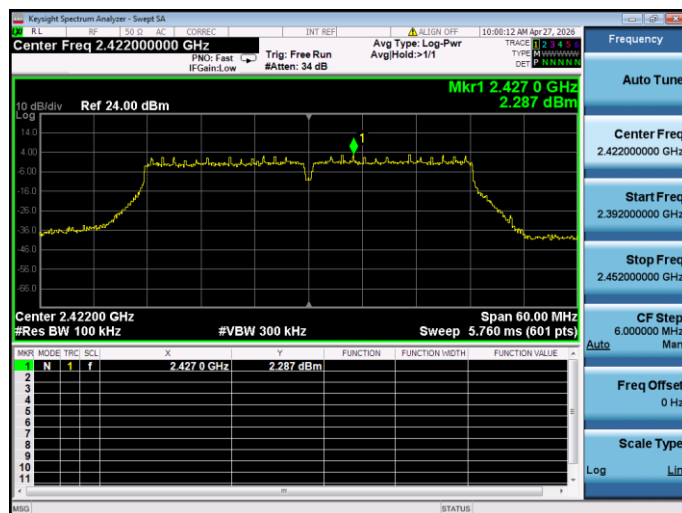
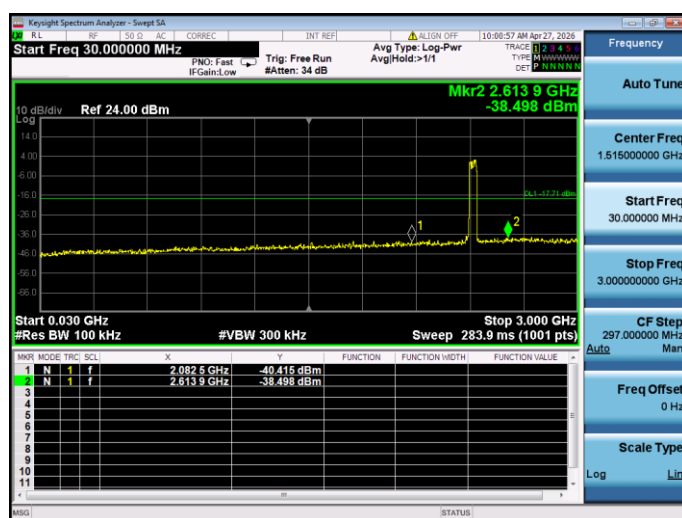
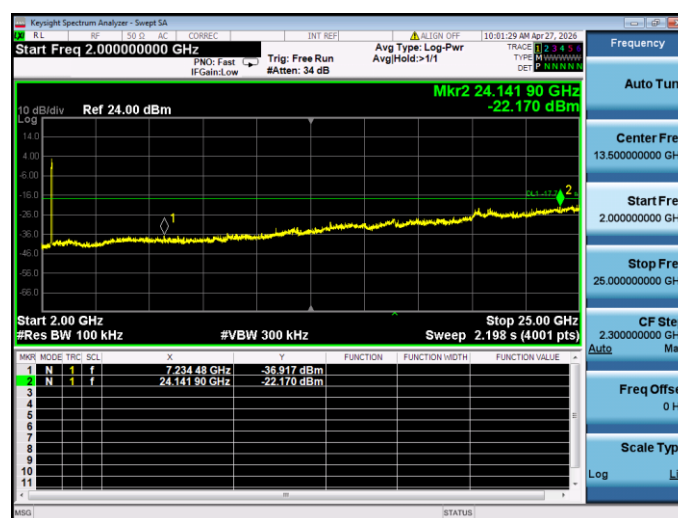
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL

802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

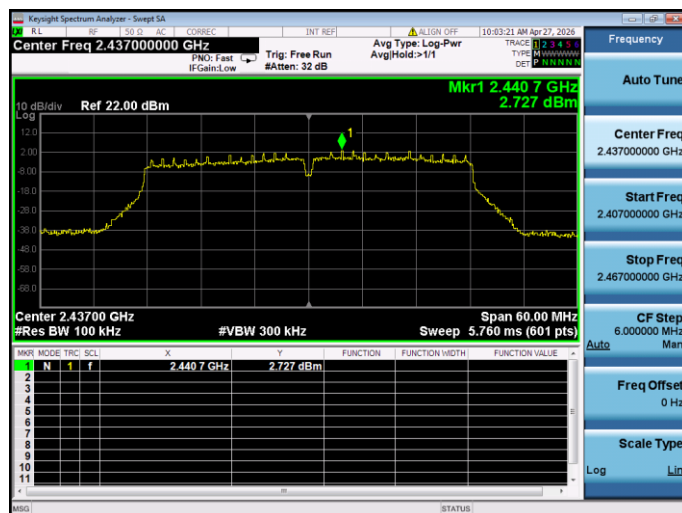
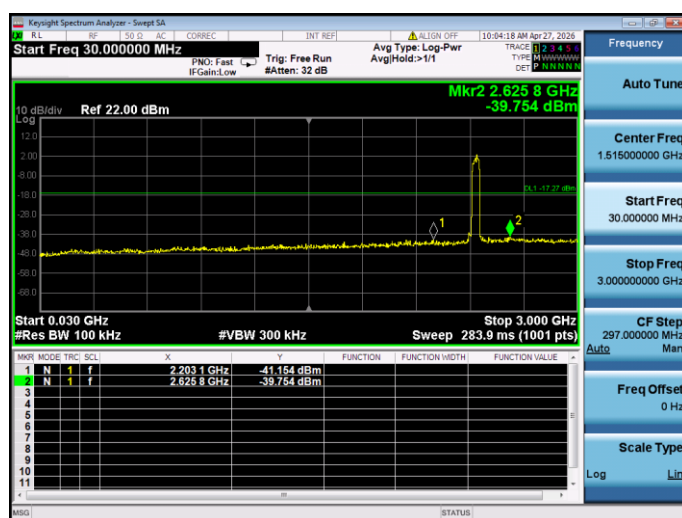
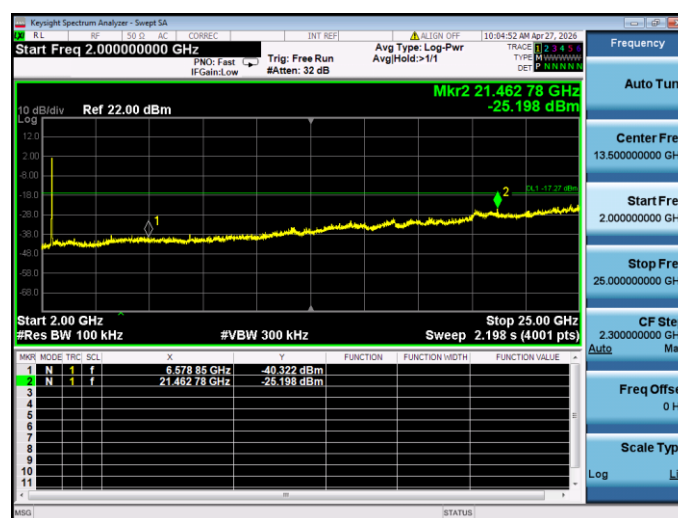
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL

802.11n-20 MHz HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-20 MHz HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

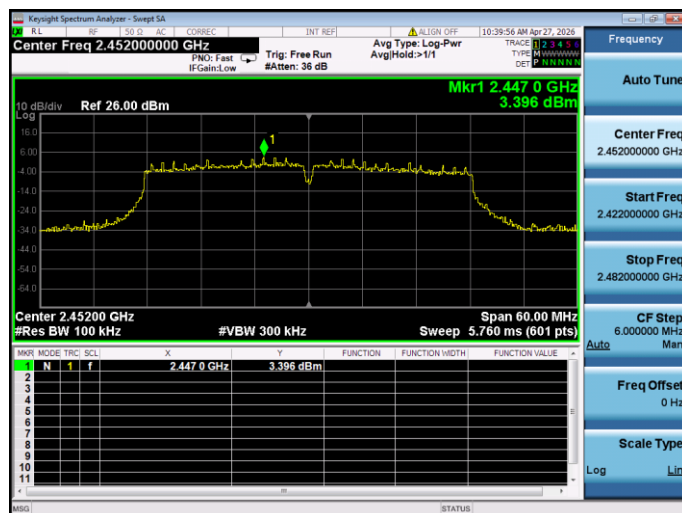
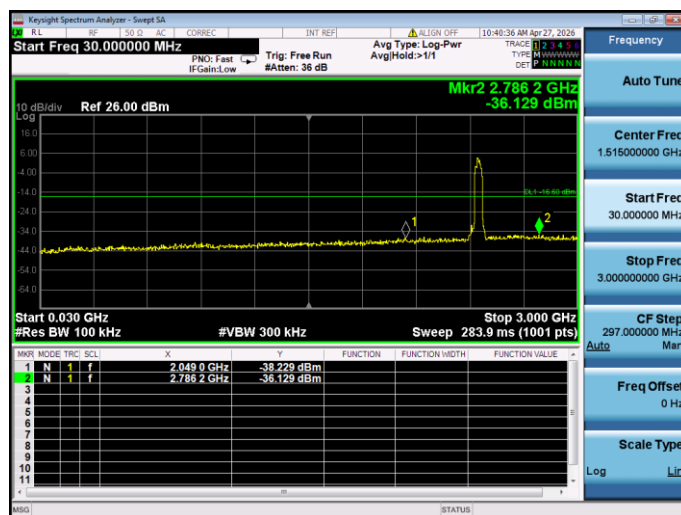
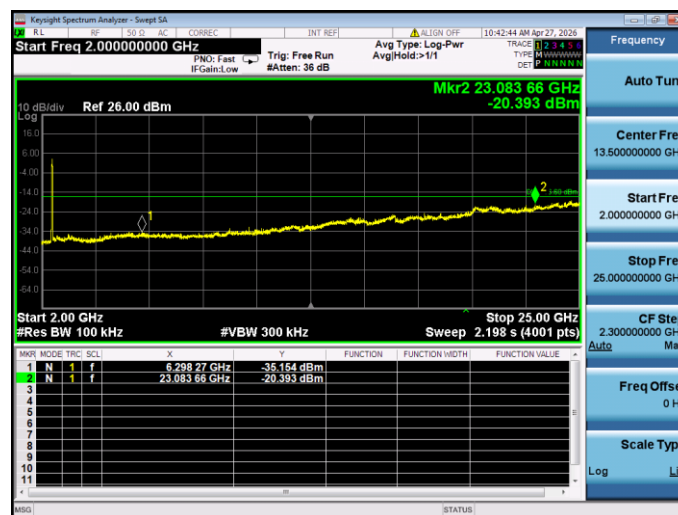
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

802.11n-40 MHz LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-40 MHz LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL

802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL

802.11n-40 MHz HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-40 MHz HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

A.4 Band Edge (Authorized-band band-edge)

Note ¹: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

Test Data

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-29.12	6.43	-13.57	Pass
High Channel	-41.05	6.74	-13.27	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-29.97	6.47	-13.53	Pass
High Channel	-41.66	5.91	-14.09	Pass

802.11n-20 MHz Mode:

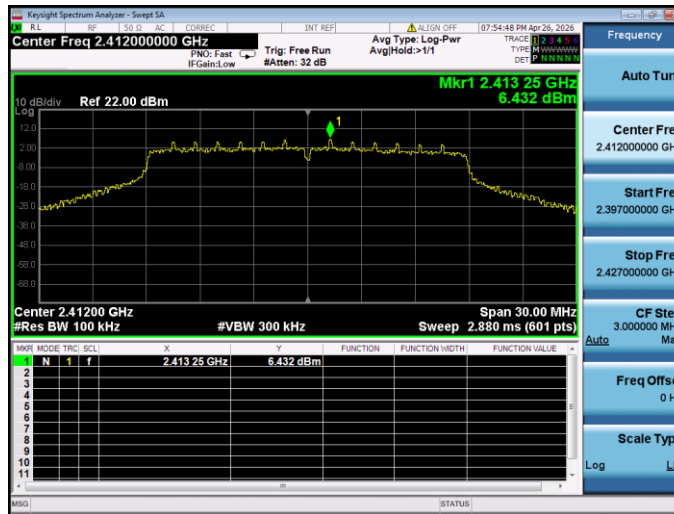
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-29.49	6.51	-13.49	Pass
High Channel	-40.62	6.20	-13.80	Pass

802.11n-40 MHz Mode:

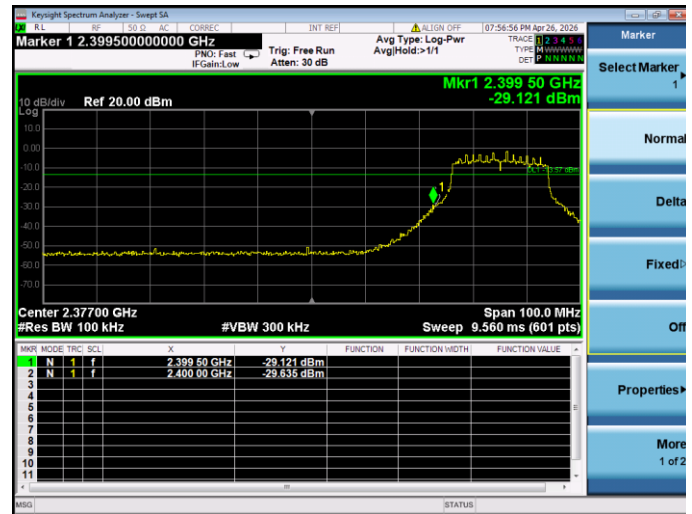
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-39.95	2.29	-17.71	Pass
High Channel	-32.24	3.40	-16.60	Pass

Test Plots

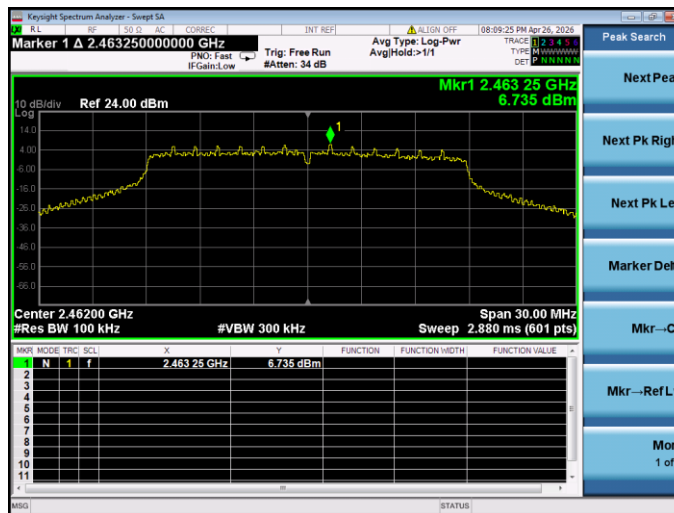
802.11b LOW CHANNEL, CARRIER LEVEL



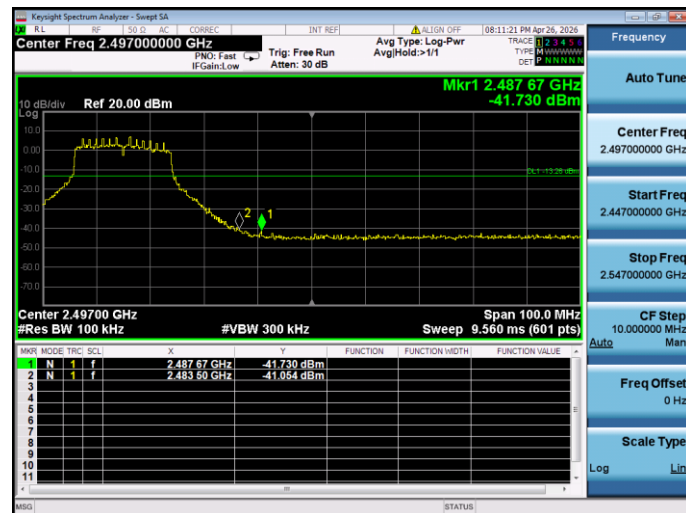
802.11b LOW CHANNEL, BAND EDGE



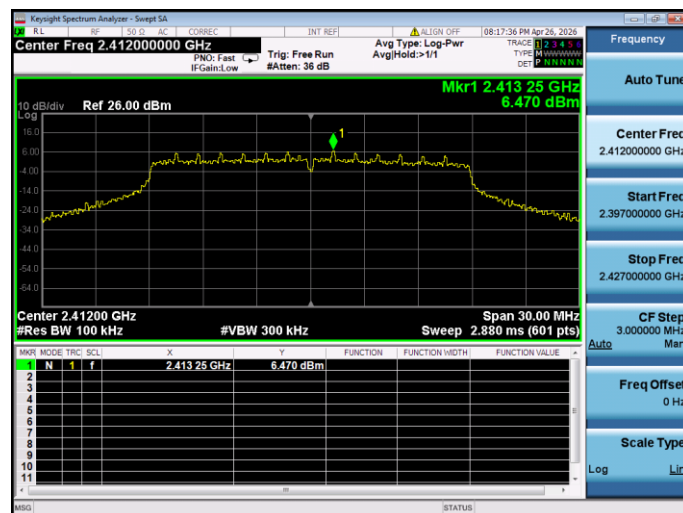
802.11b HIGH CHANNEL, CARRIER LEVEL



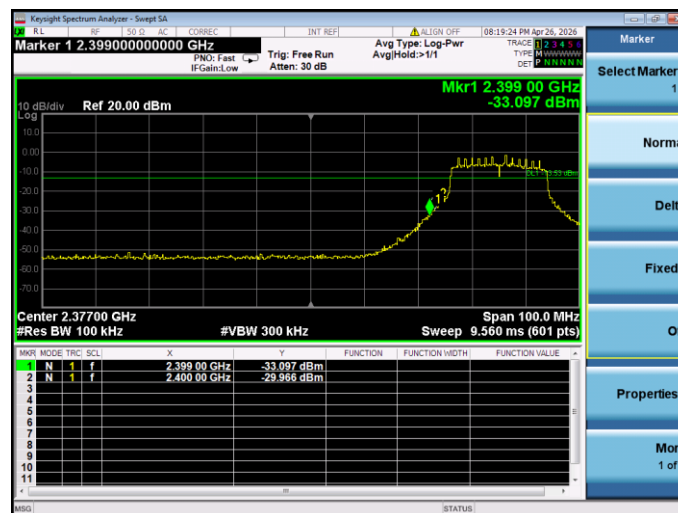
802.11b HIGH CHANNEL, BAND EDGE



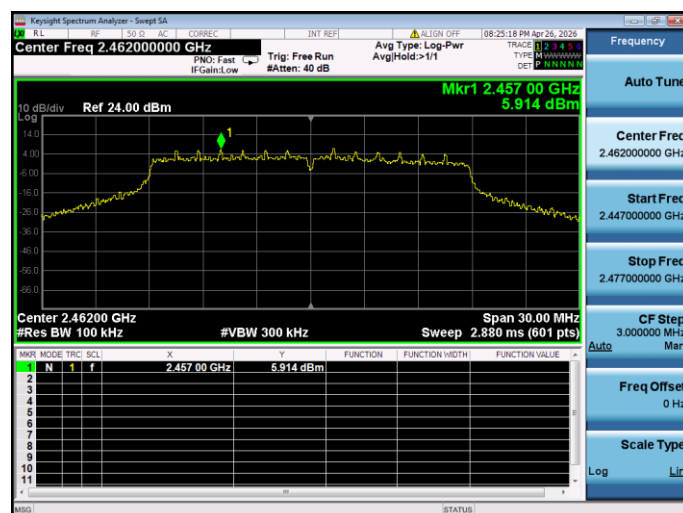
802.11g LOW CHANNEL, CARRIER LEVEL



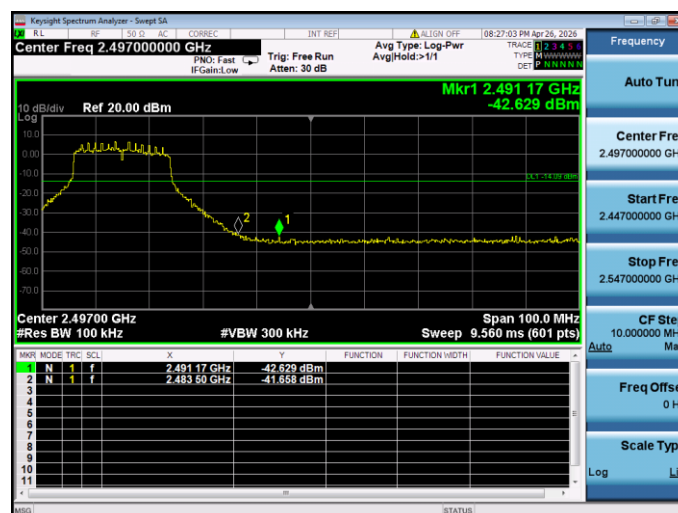
802.11g LOW CHANNEL, BAND EDGE



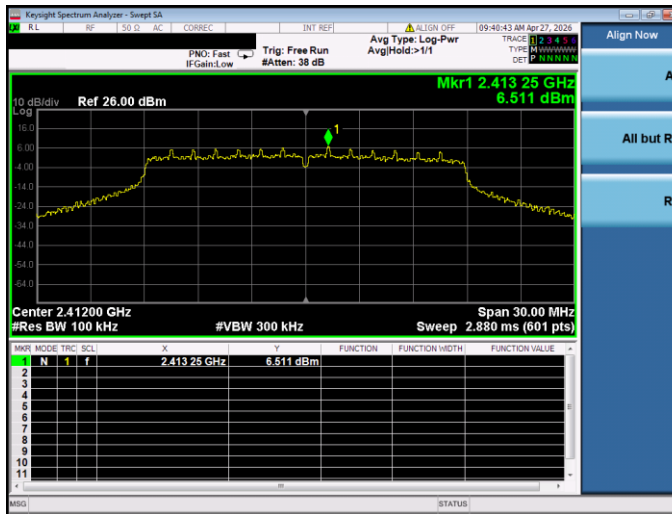
802.11g HIGH CHANNEL, CARRIER LEVEL



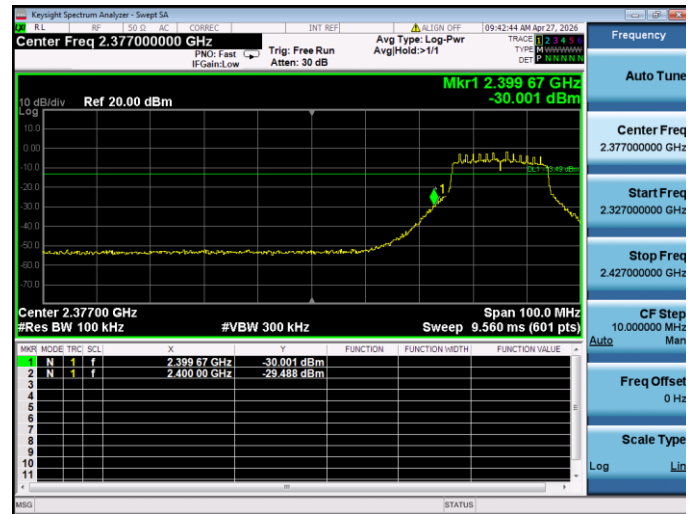
802.11g HIGH CHANNEL, BAND EDGE



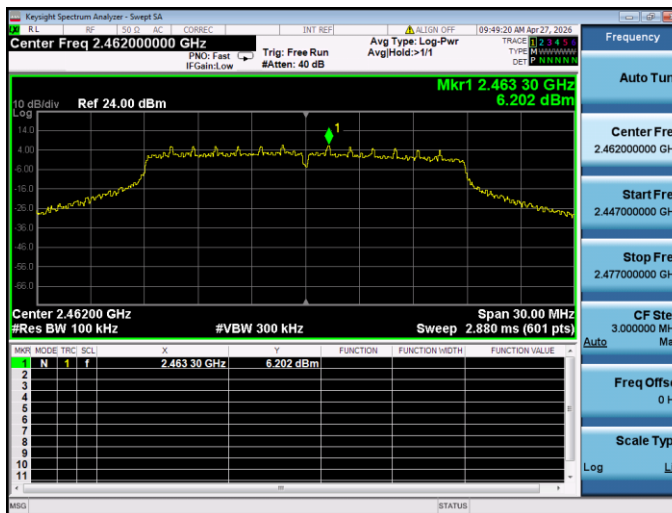
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



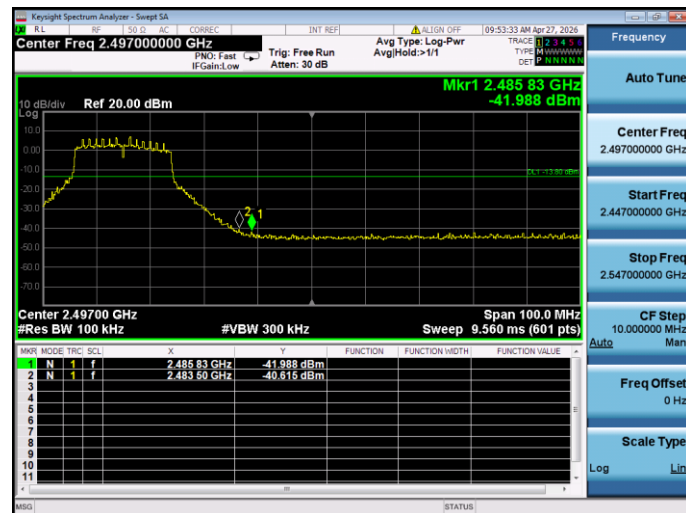
802.11n-20 MHz LOW CHANNEL, BAND EDGE



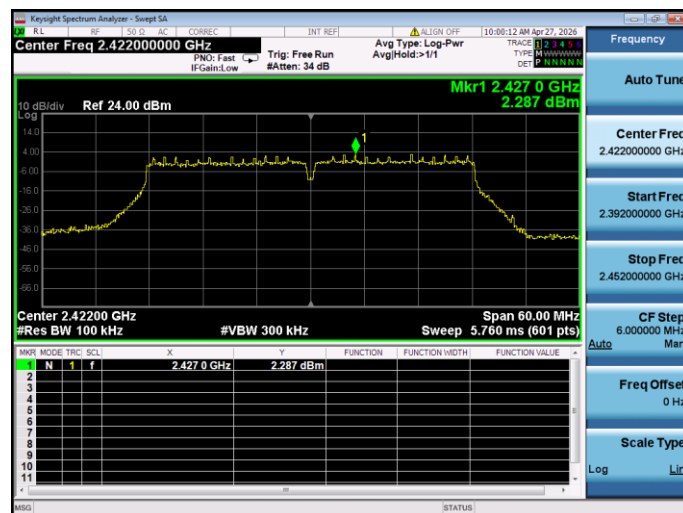
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



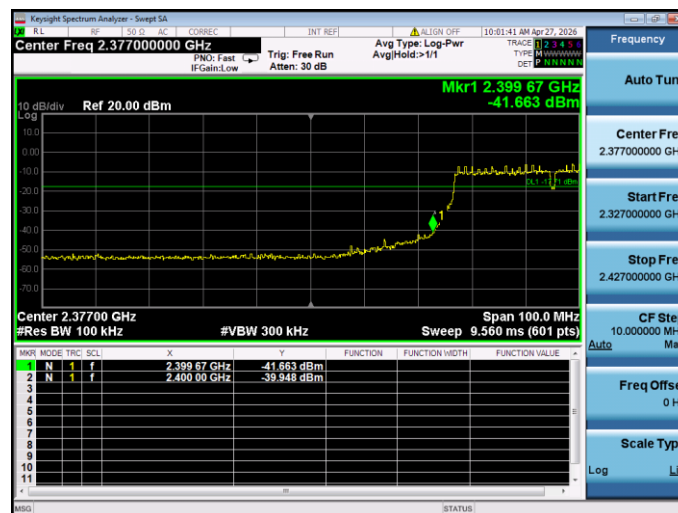
802.11n-20 MHz HIGH CHANNEL, BAND EDGE



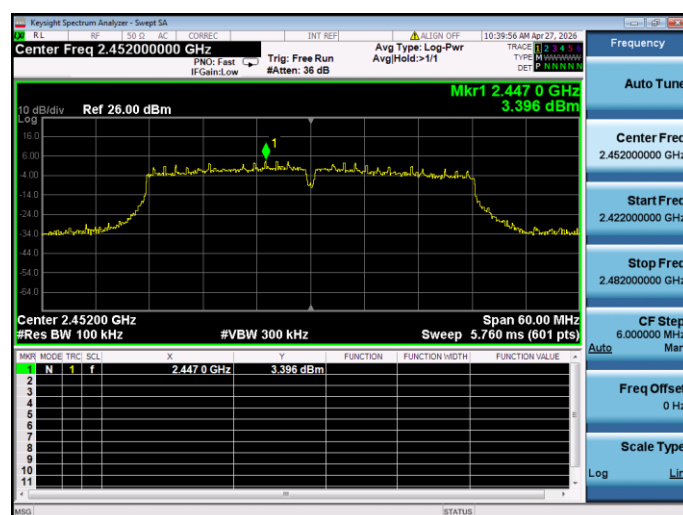
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



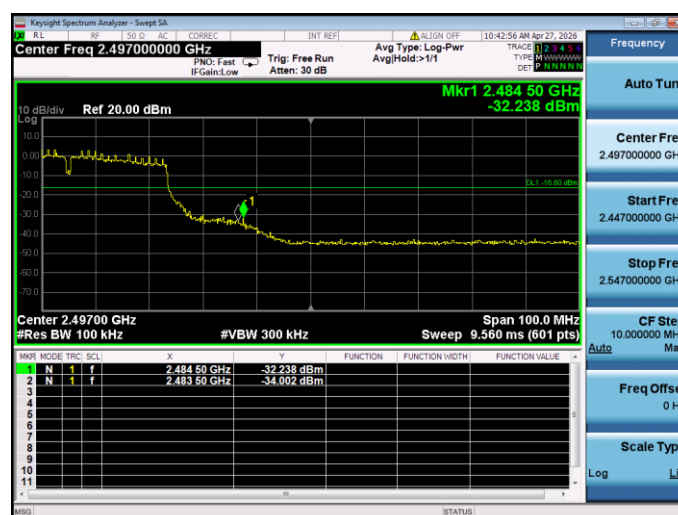
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

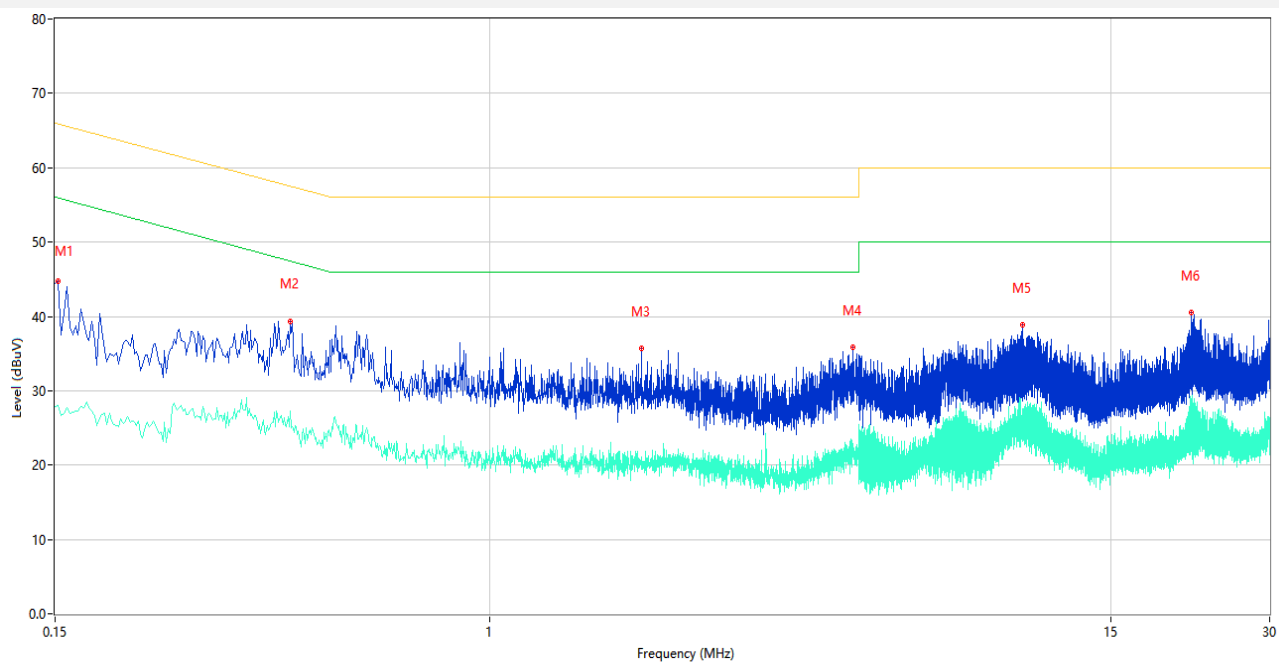
Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note ²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note ³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

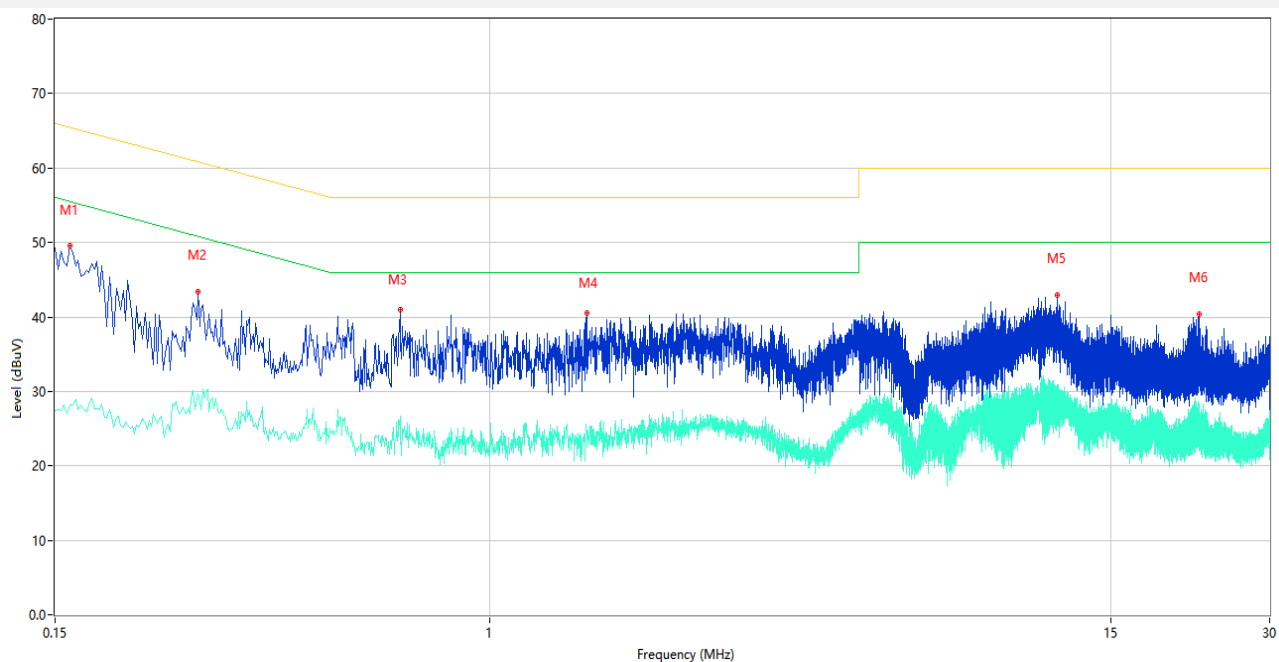
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.152	44.69	10.27	65.89	21.20	Peak	L	Pass
1**	0.152	27.97	10.27	55.89	27.92	AV	L	Pass
2	0.418	39.37	10.24	57.49	18.12	Peak	L	Pass
2**	0.418	27.26	10.24	47.49	20.23	AV	L	Pass
3	1.938	35.70	10.39	56.00	20.30	Peak	L	Pass
3**	1.938	21.02	10.39	46.00	24.98	AV	L	Pass
4	4.868	35.80	10.76	56.00	20.20	Peak	L	Pass
4**	4.868	21.49	10.76	46.00	24.51	AV	L	Pass
5	10.226	38.89	11.81	60.00	21.11	Peak	L	Pass
5**	10.226	26.56	11.81	50.00	23.44	AV	L	Pass
6	21.326	40.53	14.57	60.00	19.47	Peak	L	Pass
6**	21.326	26.36	14.57	50.00	23.64	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.160	49.52	10.17	65.46	15.94	Peak	N	Pass
1**	0.160	28.13	10.17	55.46	27.33	AV	N	Pass
2	0.280	43.33	10.16	60.82	17.49	Peak	N	Pass
2**	0.280	29.71	10.16	50.82	21.11	AV	N	Pass
3	0.676	40.96	10.18	56.00	15.04	Peak	N	Pass
3**	0.676	26.64	10.18	46.00	19.36	AV	N	Pass
4	1.524	40.52	10.26	56.00	15.48	Peak	N	Pass
4**	1.524	24.68	10.26	46.00	21.32	AV	N	Pass
5	11.860	42.95	12.14	60.00	17.05	Peak	N	Pass
5**	11.860	25.30	12.14	50.00	24.70	AV	N	Pass
6	22.100	40.31	14.77	60.00	19.69	Peak	N	Pass
6**	22.100	23.75	14.77	50.00	26.25	AV	N	Pass

A.6 Radiated Emission

Note¹: The symbol of “--” in the table which means not application.

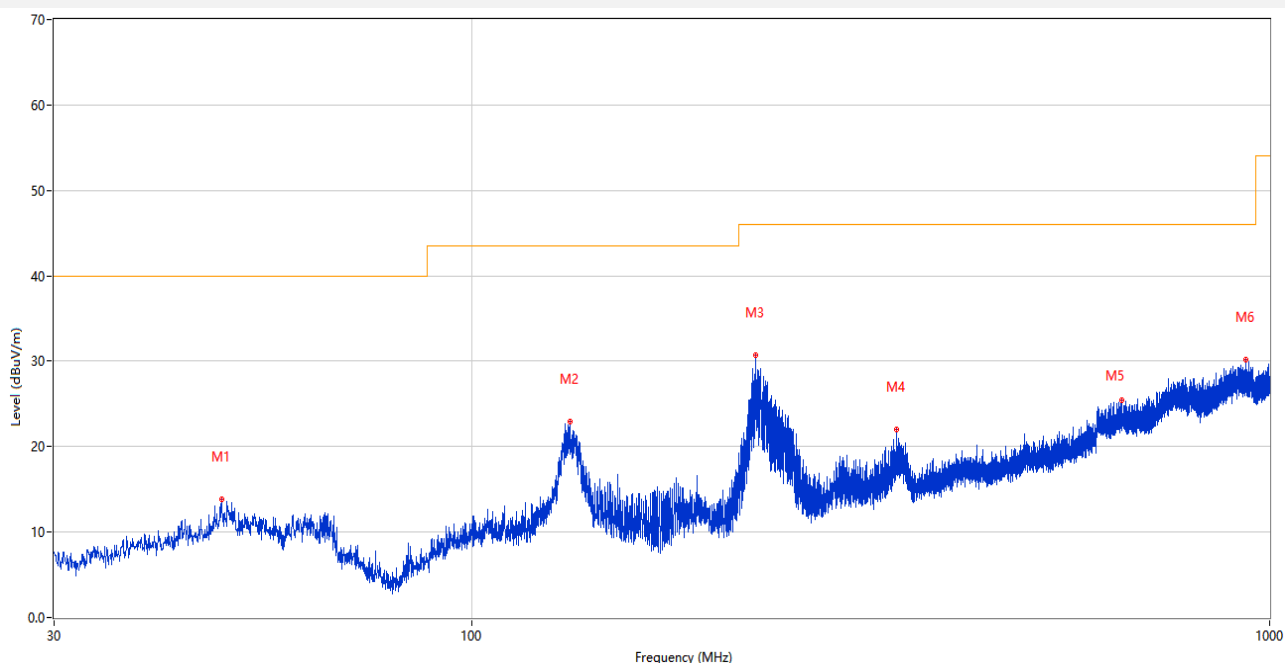
Note²: For the test data above 1 GHz, According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

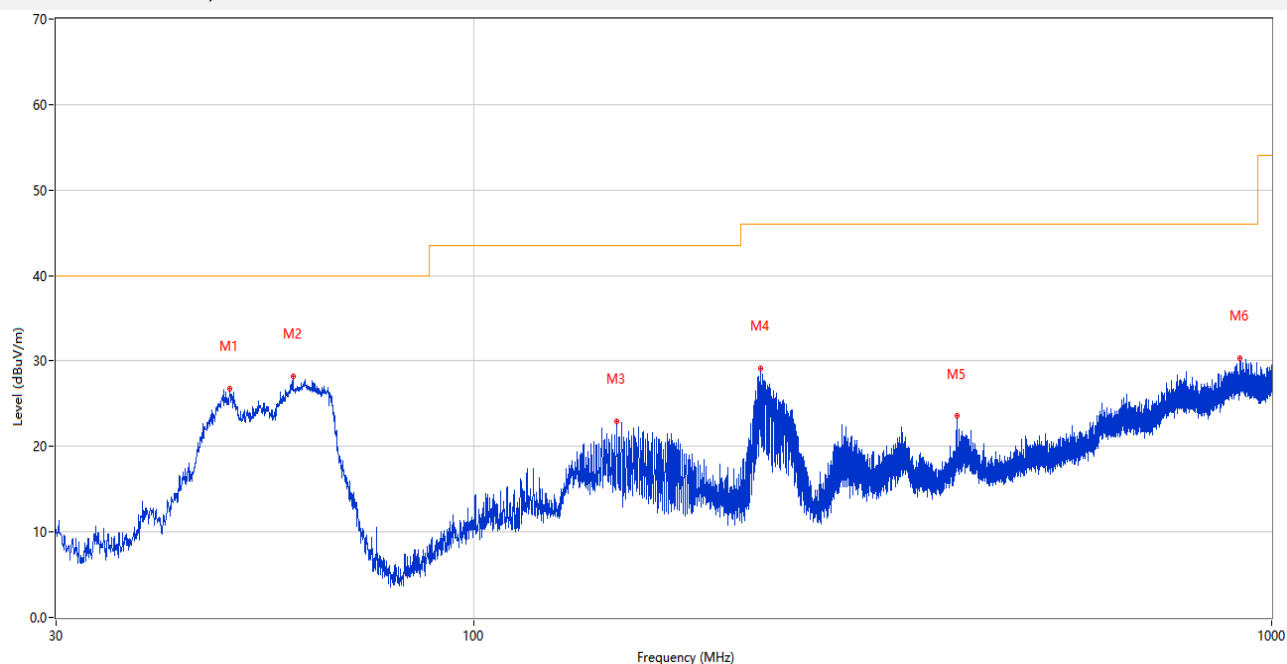
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.624	13.79	-25.10	40.0	26.21	Peak	81.00	200	Horizontal	Pass
2	133.014	22.90	-29.54	43.5	20.60	Peak	129.00	200	Horizontal	Pass
3	227.104	30.66	-25.05	46.0	15.34	Peak	257.00	100	Horizontal	Pass
4	340.497	22.00	-21.83	46.0	24.00	Peak	245.00	100	Horizontal	Pass
5	652.401	25.47	-13.58	46.0	20.53	Peak	306.00	200	Horizontal	Pass
6	934.185	30.25	-8.86	46.0	15.75	Peak	335.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

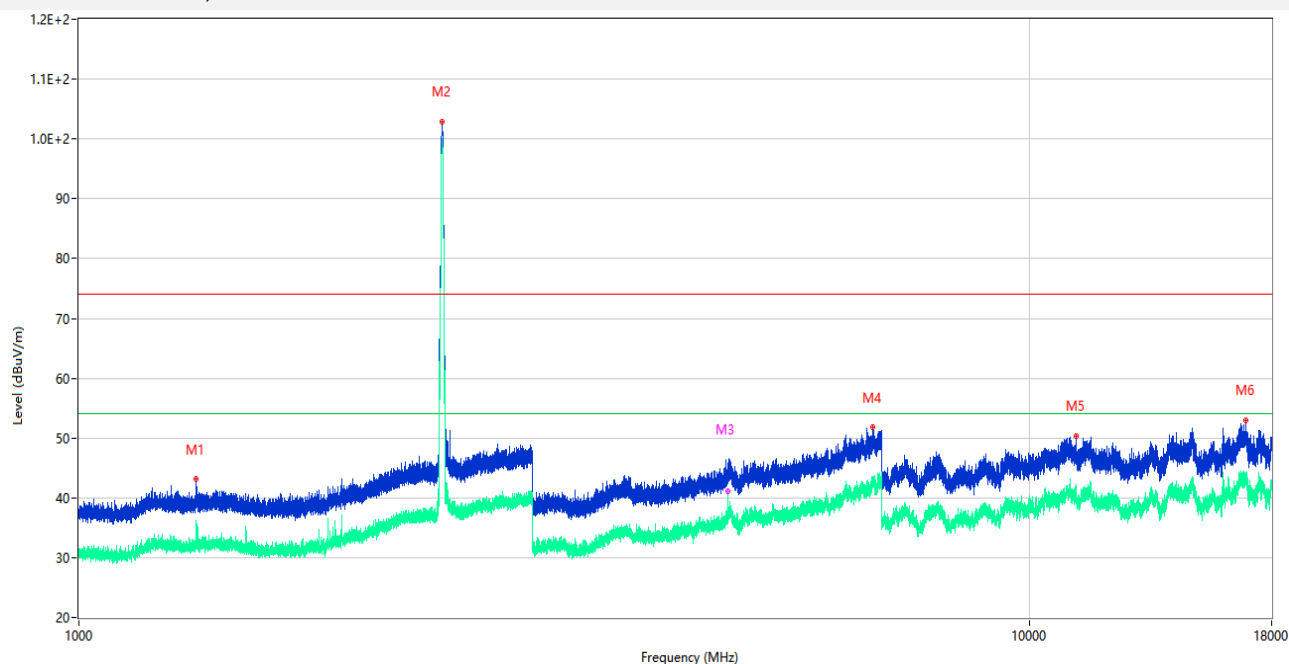


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	49.545	26.80	-25.36	40.0	13.20	Peak	0.00	100	Vertical	Pass
2	59.488	28.16	-25.79	40.0	11.84	Peak	119.00	100	Vertical	Pass
3	151.153	22.91	-29.03	43.5	20.59	Peak	39.00	100	Vertical	Pass
4	228.802	29.18	-25.54	46.0	16.82	Peak	330.00	100	Vertical	Pass
5	403.256	23.54	-20.18	46.0	22.46	Peak	155.00	100	Vertical	Pass
6	913.767	30.38	-8.30	46.0	15.62	Peak	158.00	100	Vertical	Pass

Note¹: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

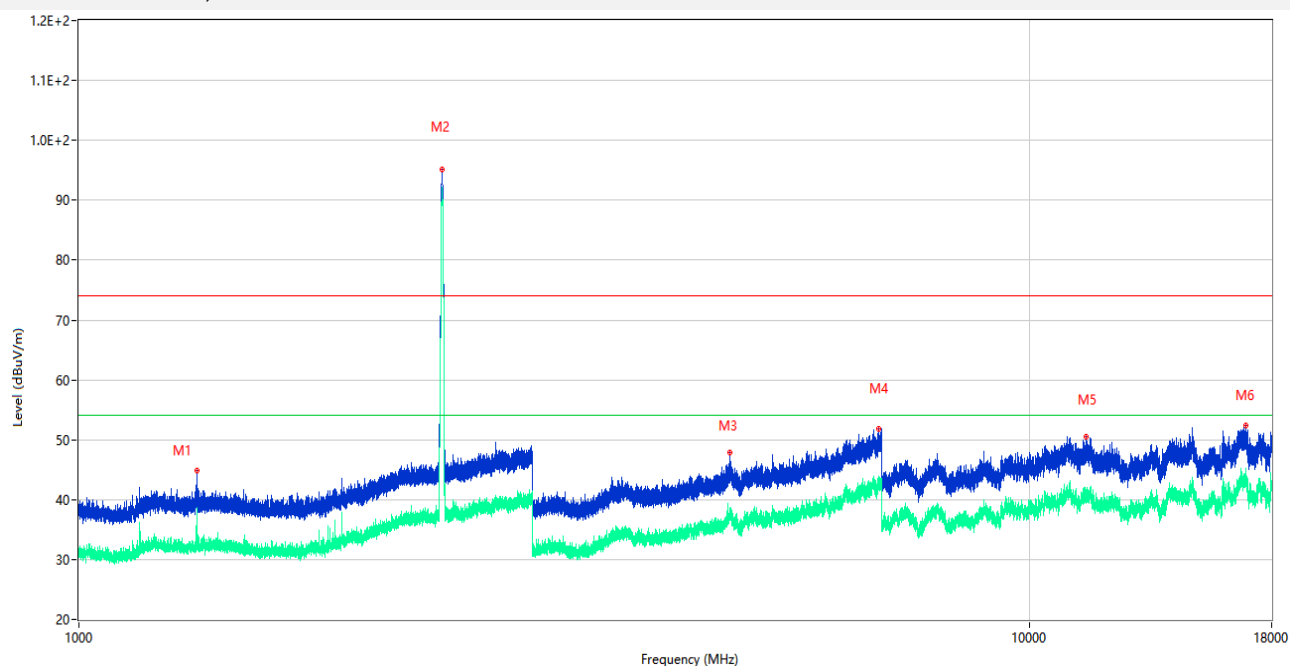
Note²: The spurious above 18G is noise only, do not show on the report.

1 GHz to 18 GHz, ANT H 802.11b Low Channel



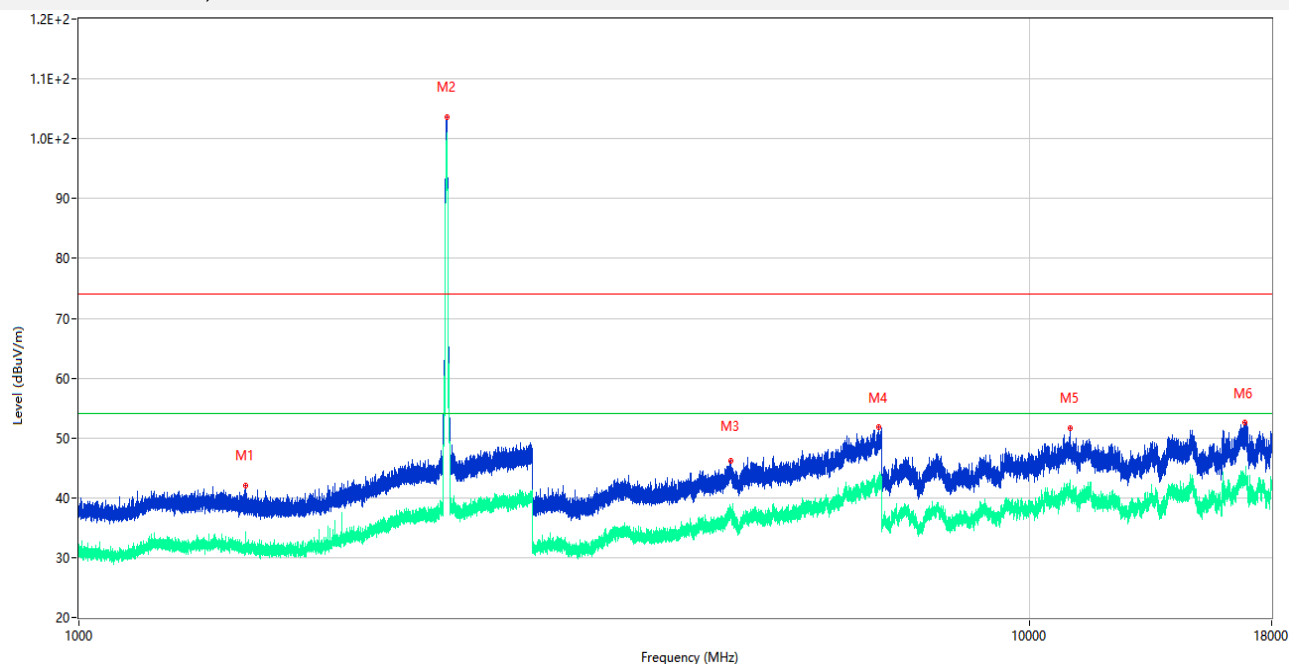
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.100	43.13	-17.61	74.0	30.87	Peak	31.00	400	Horizontal	Pass
1**	1328.100	34.83	-17.61	54.0	19.17	AV	31.00	400	Horizontal	Pass
2	2410.600	102.87	-14.49	74.0	-28.87	Peak	53.00	200	Horizontal	N/A
2**	2410.600	99.90	-14.49	54.0	-45.90	AV	53.00	200	Horizontal	N/A
3	4824.200	45.30	-7.64	74.0	28.70	Peak	280.00	200	Horizontal	Pass
3**	4824.200	41.08	-7.64	54.0	12.92	AV	280.00	200	Horizontal	Pass
4	6849.200	51.84	-1.03	74.0	22.16	Peak	65.00	200	Horizontal	Pass
4**	6849.200	43.45	-1.03	54.0	10.55	AV	65.00	200	Horizontal	Pass
5	11203.537	50.41	1.52	74.0	23.59	Peak	28.00	200	Horizontal	Pass
5**	11203.537	40.78	1.52	54.0	13.22	AV	28.00	200	Horizontal	Pass
6	16915.875	52.97	6.87	74.0	21.03	Peak	280.00	400	Horizontal	Pass
6**	16915.875	43.66	6.87	54.0	10.34	AV	280.00	400	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Low Channel



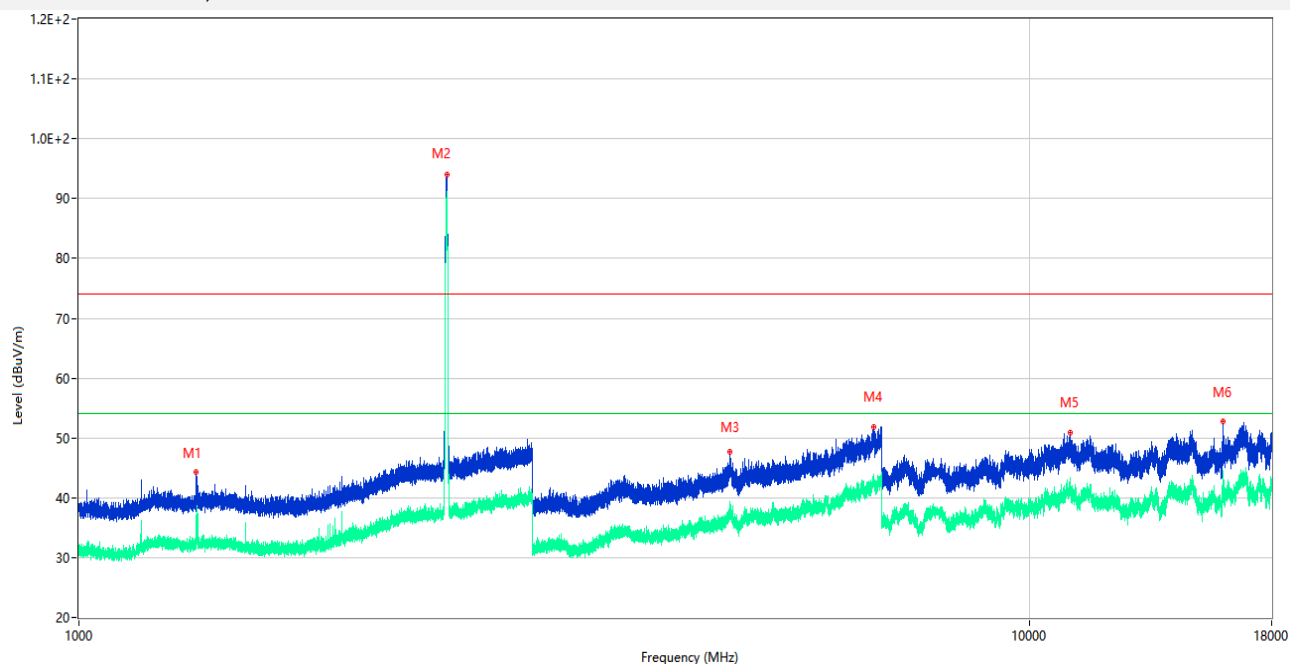
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.100	44.79	-17.80	74.0	29.21	Peak	129.00	200	Vertical	Pass
1**	1331.100	32.54	-17.80	54.0	21.46	AV	129.00	200	Vertical	Pass
2	2410.300	95.05	-14.40	74.0	-21.05	Peak	75.00	200	Vertical	N/A
2**	2410.300	92.14	-14.40	54.0	-38.14	AV	75.00	200	Vertical	N/A
3	4844.800	47.82	-6.37	74.0	26.18	Peak	188.00	100	Vertical	Pass
3**	4844.800	38.04	-6.37	54.0	15.96	AV	188.00	100	Vertical	Pass
4	6948.800	51.92	-0.81	74.0	22.08	Peak	360.00	200	Vertical	Pass
4**	6948.800	43.92	-0.81	54.0	10.08	AV	360.00	200	Vertical	Pass
5	11476.662	50.57	2.55	74.0	23.43	Peak	65.00	200	Vertical	Pass
5**	11476.662	39.85	2.55	54.0	14.15	AV	65.00	200	Vertical	Pass
6	16920.600	52.44	6.71	74.0	21.56	Peak	120.00	100	Vertical	Pass
6**	16920.600	44.25	6.71	54.0	9.75	AV	120.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.000	42.09	-18.61	74.0	31.91	Peak	360.00	300	Horizontal	Pass
1**	1498.000	31.60	-18.61	54.0	22.40	AV	360.00	300	Horizontal	Pass
2	2438.600	103.70	-13.53	74.0	-29.70	Peak	132.00	150	Horizontal	N/A
2**	2438.600	100.93	-13.53	54.0	-46.93	AV	132.00	150	Horizontal	N/A
3	4857.000	46.10	-6.53	74.0	27.90	Peak	102.00	200	Horizontal	Pass
3**	4857.000	37.77	-6.53	54.0	16.23	AV	102.00	200	Horizontal	Pass
4	6948.000	51.81	-1.26	74.0	22.19	Peak	232.00	100	Horizontal	Pass
4**	6948.000	42.88	-1.26	54.0	11.12	AV	232.00	100	Horizontal	Pass
5	11040.238	51.66	2.97	74.0	22.34	Peak	13.00	100	Horizontal	Pass
5**	11040.238	42.08	2.97	54.0	11.92	AV	13.00	100	Horizontal	Pass
6	16851.825	52.52	6.55	74.0	21.48	Peak	97.00	200	Horizontal	Pass
6**	16851.825	42.78	6.55	54.0	11.22	AV	97.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.600	44.31	-17.64	74.0	29.69	Peak	86.00	300	Vertical	Pass
1**	1329.600	34.96	-17.64	54.0	19.04	AV	86.00	300	Vertical	Pass
2	2438.700	94.01	-13.48	74.0	-20.01	Peak	300.00	200	Vertical	N/A
2**	2438.700	91.13	-13.48	54.0	-37.13	AV	300.00	200	Vertical	N/A
3	4845.600	47.69	-6.52	74.0	26.31	Peak	24.00	200	Vertical	Pass
3**	4845.600	37.67	-6.52	54.0	16.33	AV	24.00	200	Vertical	Pass
4	6858.000	51.88	-0.88	74.0	22.12	Peak	4.00	200	Vertical	Pass
4**	6858.000	42.33	-0.88	54.0	11.67	AV	4.00	200	Vertical	Pass
5	11047.999	50.92	3.43	74.0	23.08	Peak	15.00	200	Vertical	Pass
5**	11047.999	41.95	3.43	54.0	12.05	AV	15.00	200	Vertical	Pass
6	15998.701	52.72	7.11	74.0	21.28	Peak	54.00	200	Vertical	Pass
6**	15998.701	43.48	7.11	54.0	10.52	AV	54.00	200	Vertical	Pass