

A.3 Conducted Spurious Emissions

Test Data

802.11b Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-27.11	7.05	-22.95	Pass
Middle	-27.49	7.21	-22.79	Pass
High	-28.54	7.22	-22.78	Pass

802.11g Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.33	5.61	-24.39	Pass
Middle	-33.14	6.00	-24.00	Pass
High	-34.16	6.07	-23.93	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-32.96	6.21	-23.79	Pass
Middle	-32.16	6.21	-23.79	Pass
High	-33.25	5.47	-24.53	Pass

802.11n-40 MHz Mode:

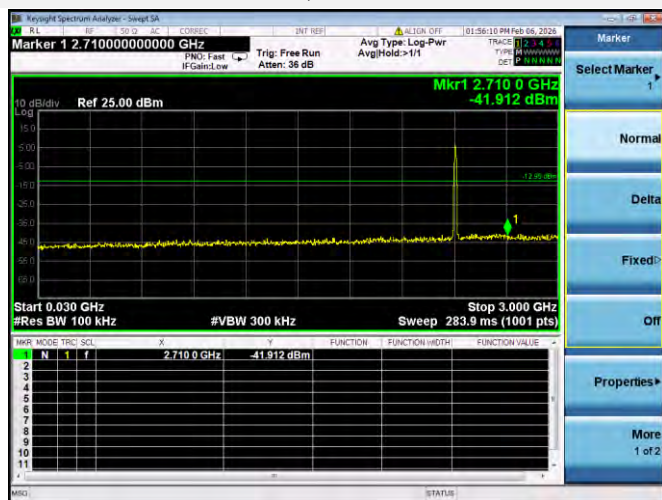
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-37.86	2.60	-27.40	Pass
Middle	-38.17	2.56	-27.44	Pass
High	-36.61	1.95	-28.05	Pass

Test Plots

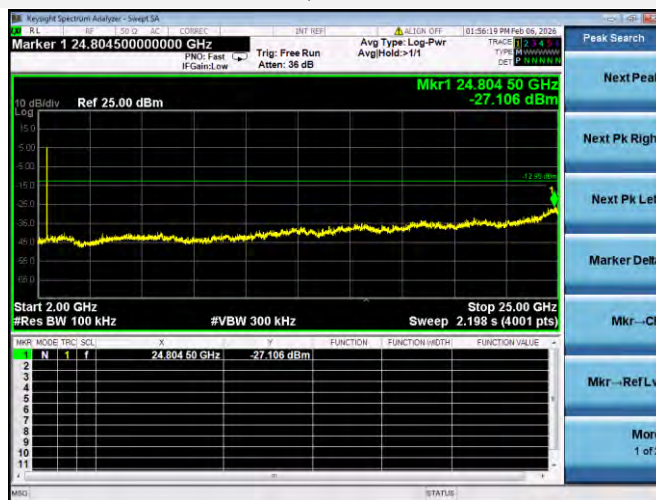
802.11b LOW CHANNEL CARRIER LEVEL



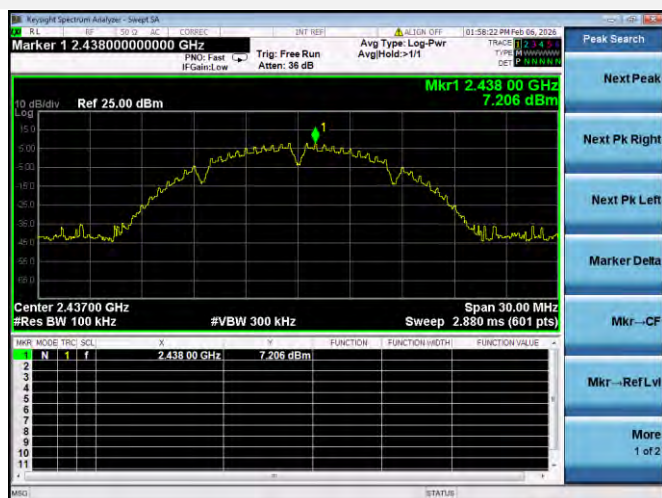
802.11b LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



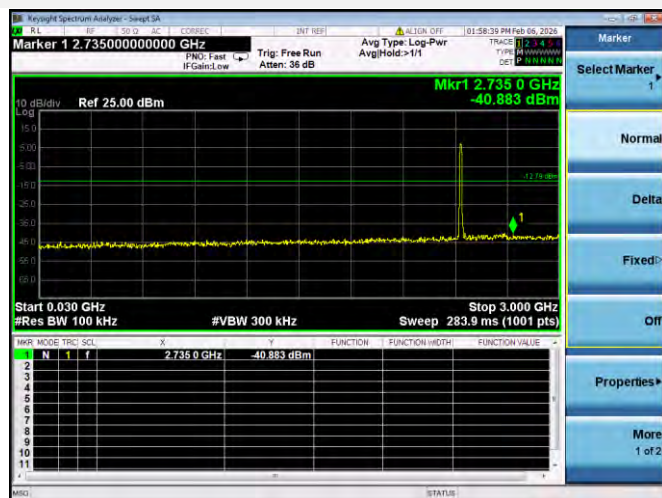
802.11b LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



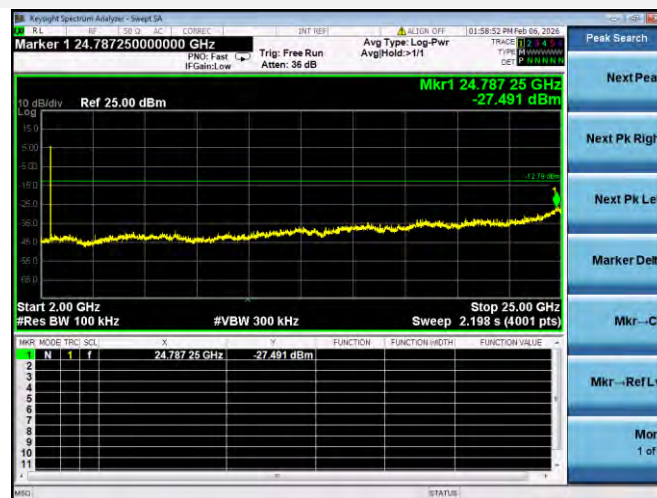
802.11b MIDDLE CHANNEL CARRIER LEVEL



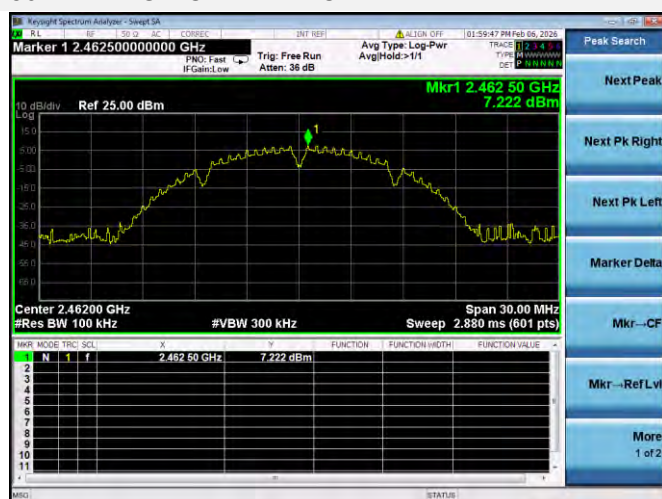
802.11b MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



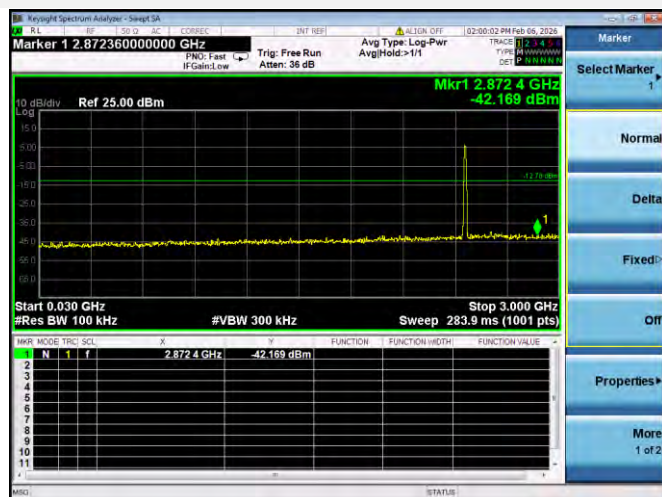
802.11b MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



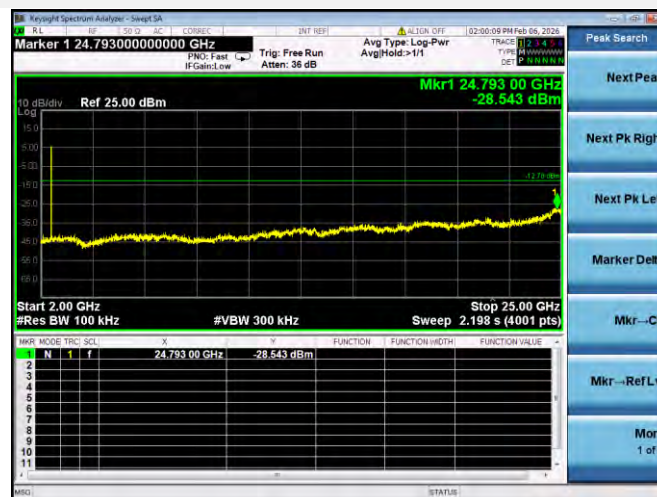
802.11b HIGH CHANNEL CARRIER LEVEL



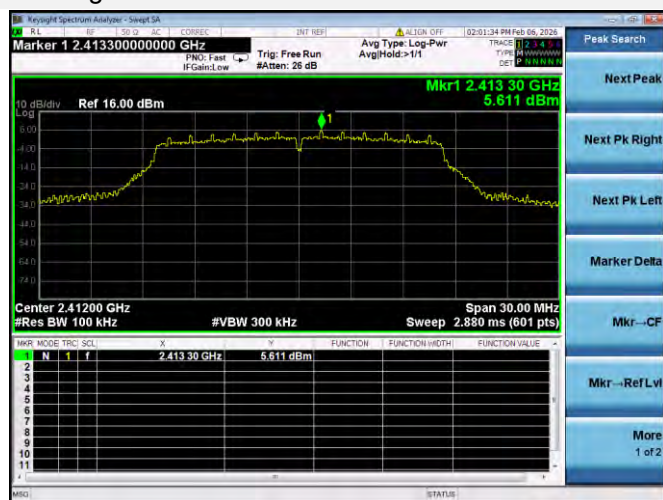
802.11b HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



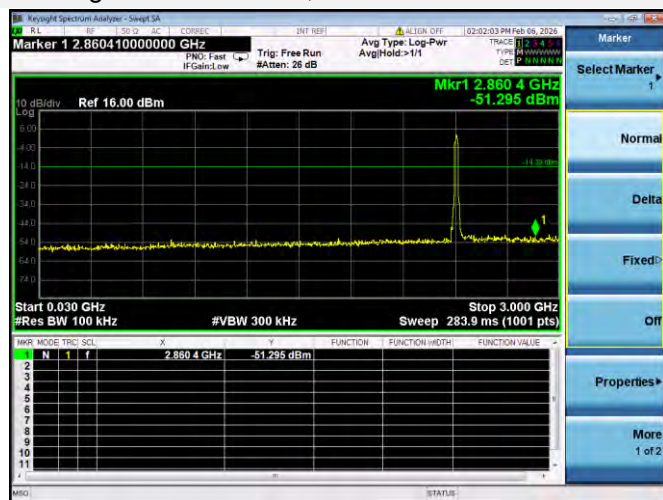
802.11b HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



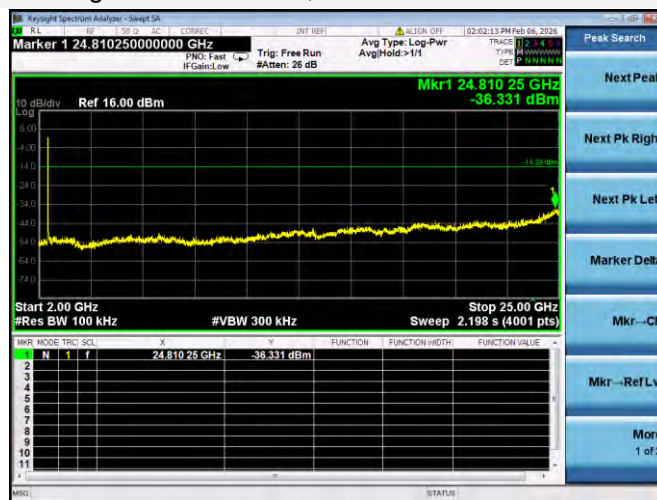
802.11g LOW CHANNEL CARRIER LEVEL



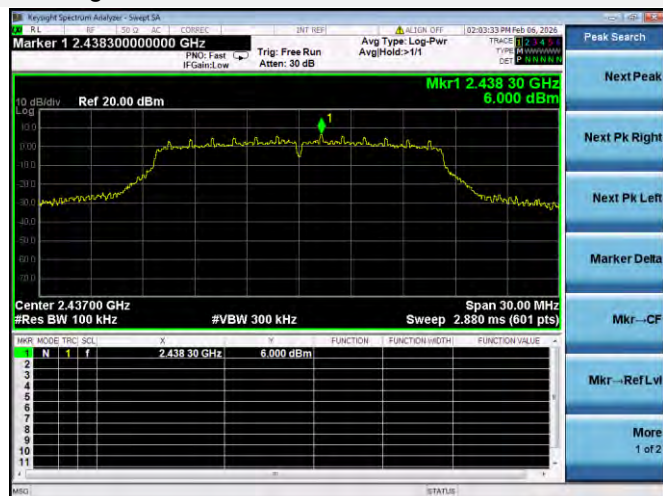
802.11g LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



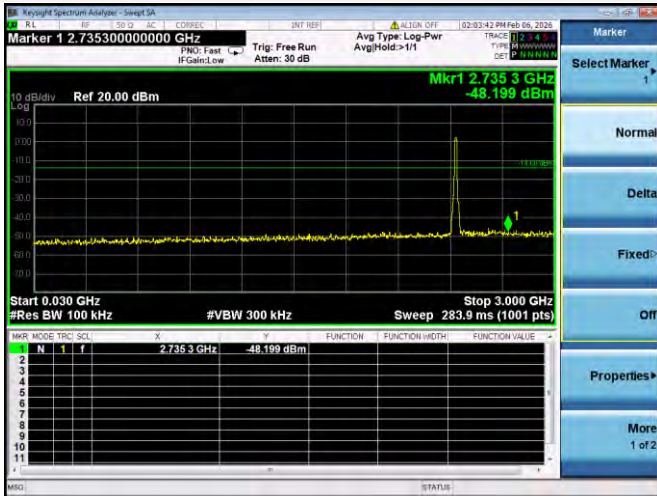
802.11g LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



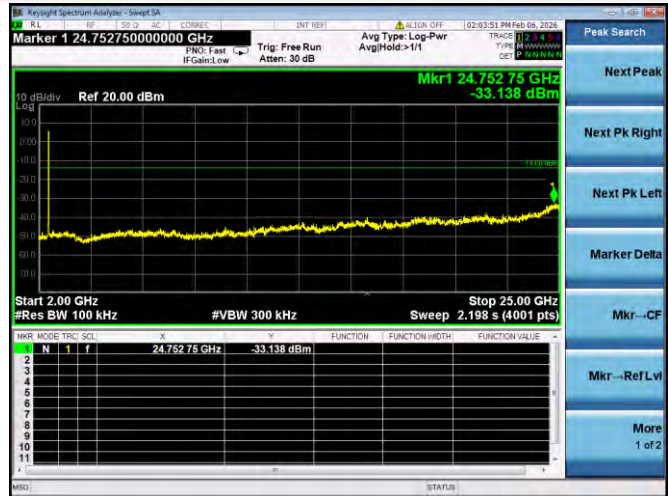
802.11g MIDDLE CHANNEL CARRIER LEVEL



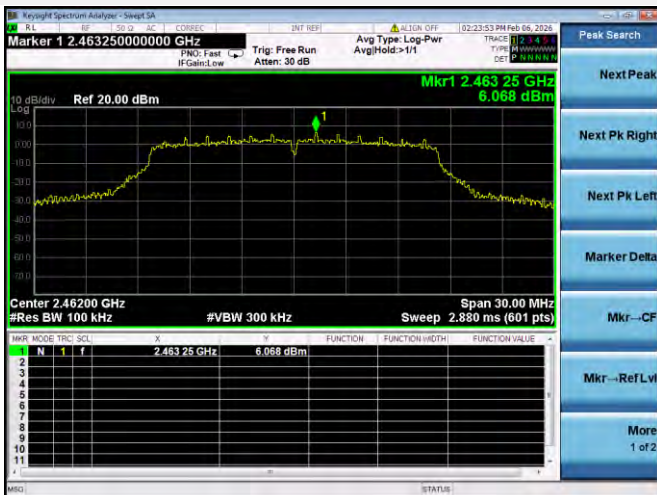
802.11g MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



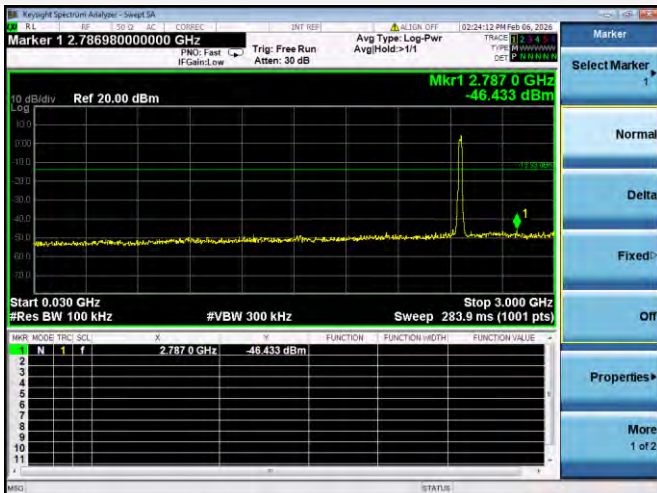
802.11g MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



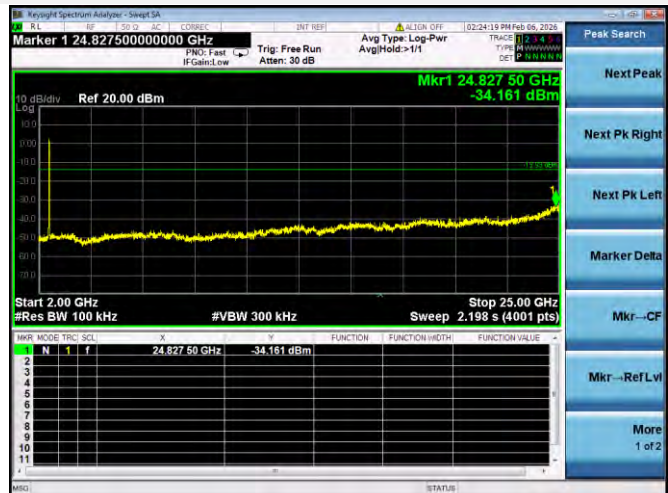
802.11g HIGH CHANNEL CARRIER LEVEL



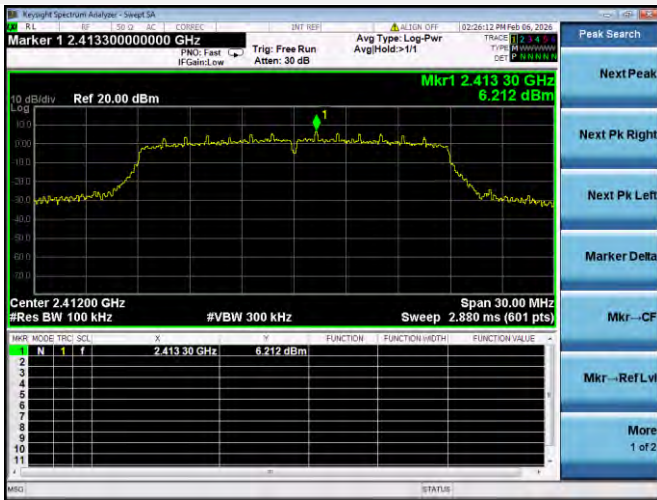
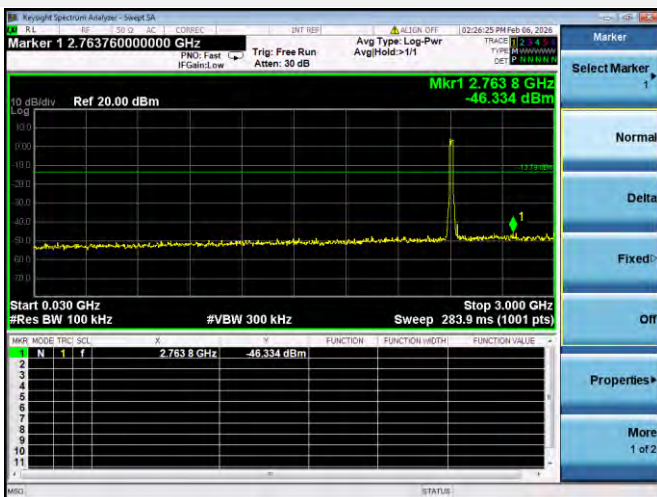
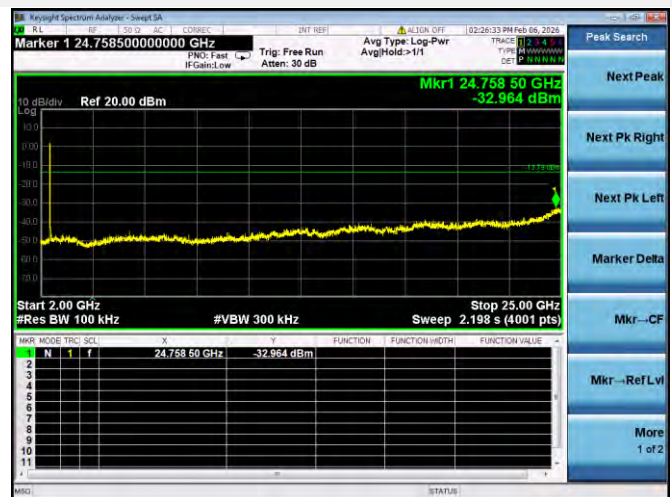
802.11g HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



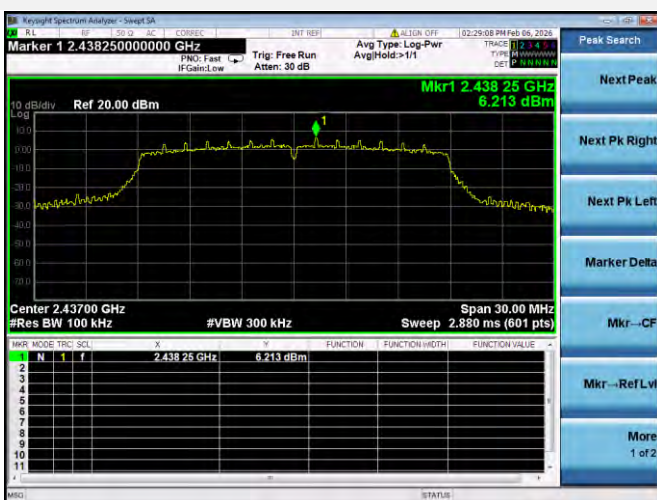
802.11g HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



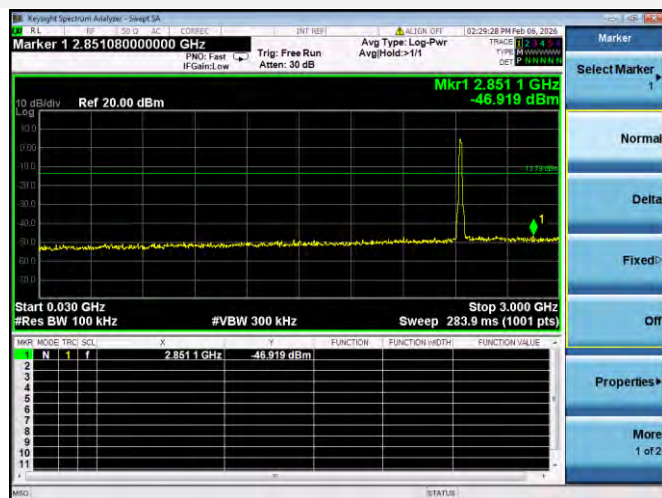
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

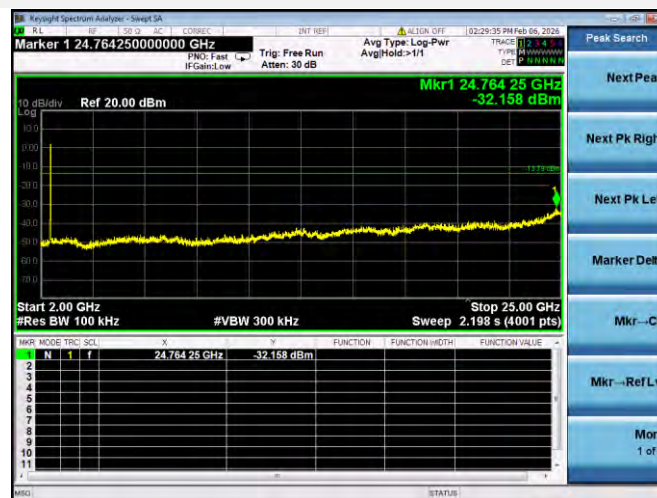
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



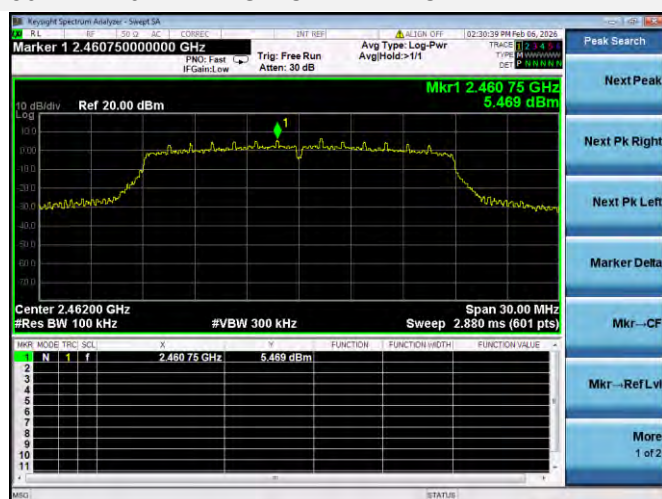
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



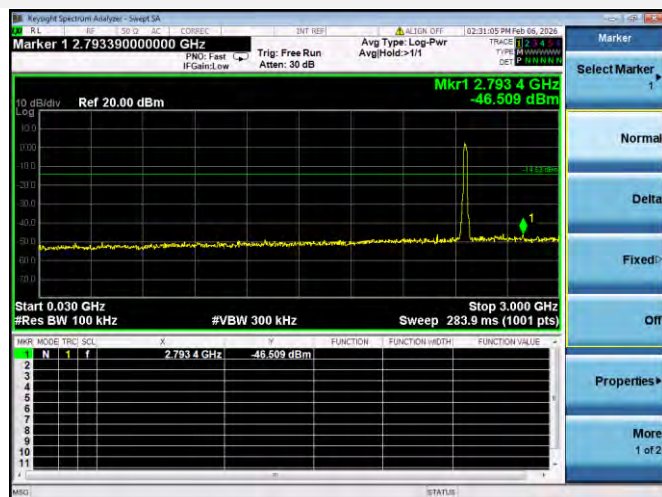
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



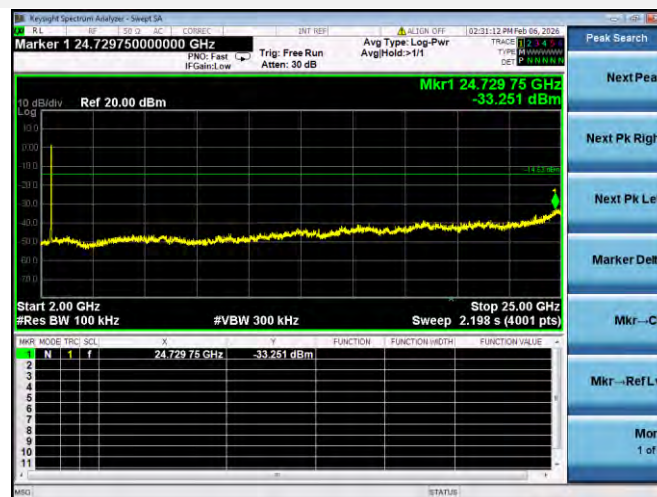
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



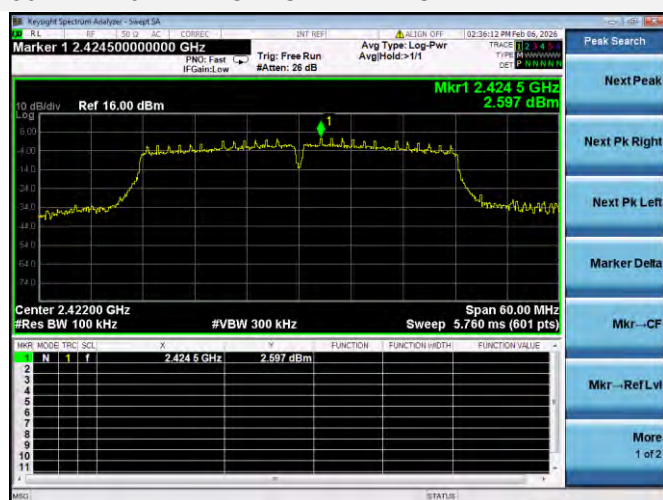
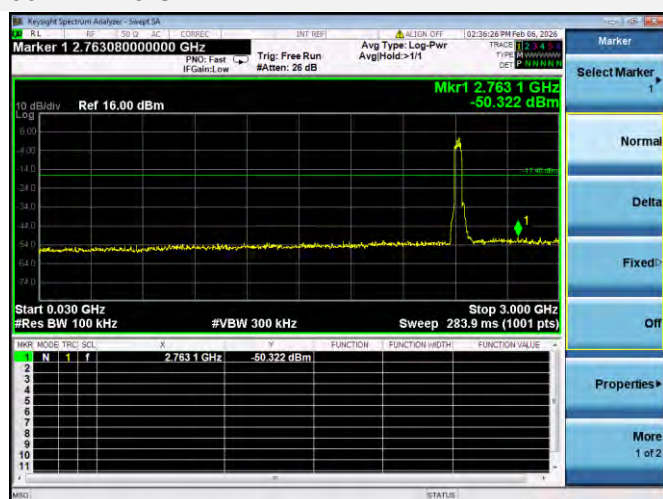
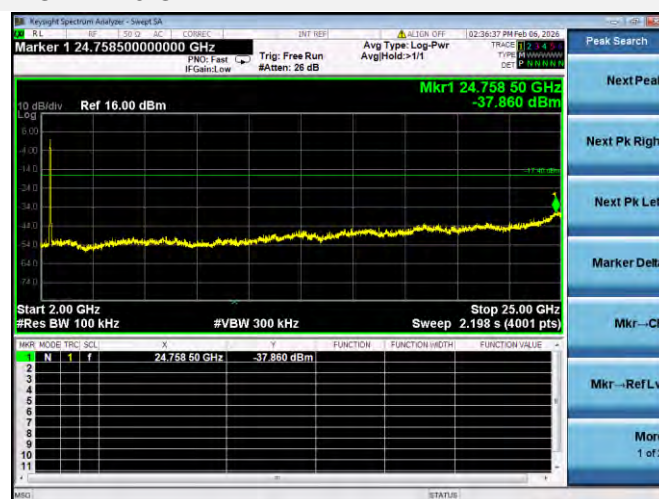
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



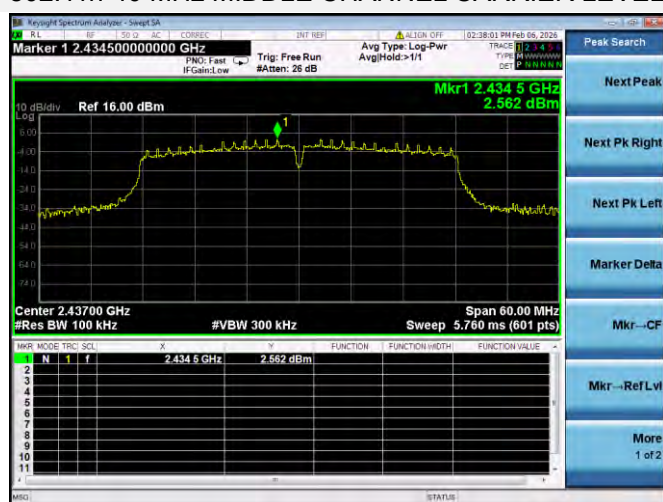
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



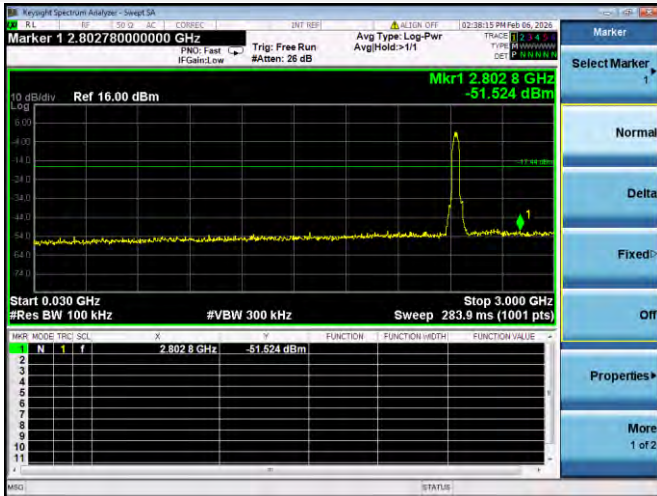
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

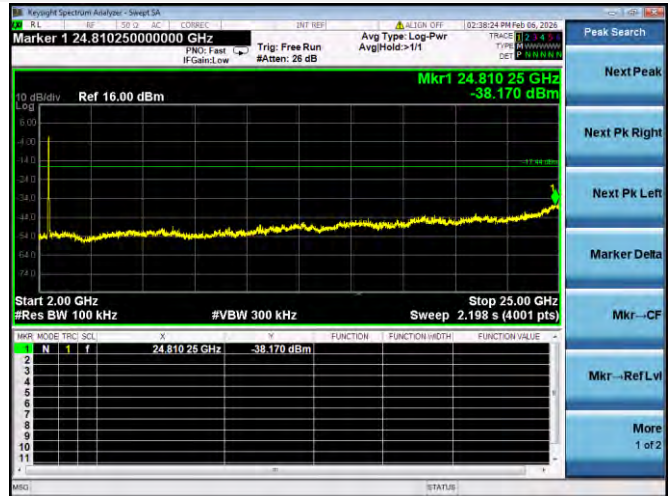
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



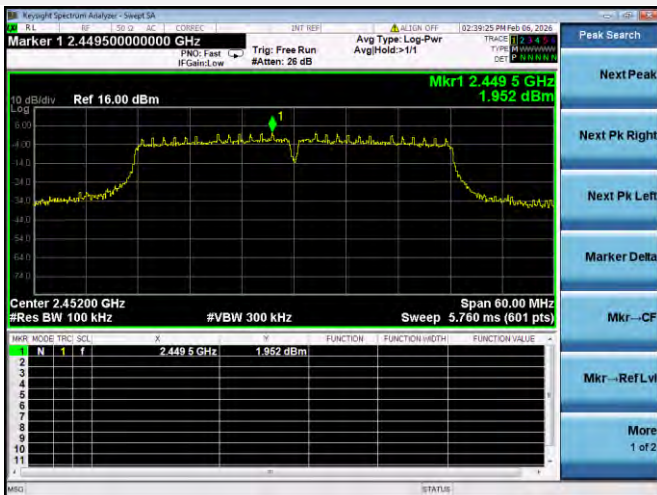
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



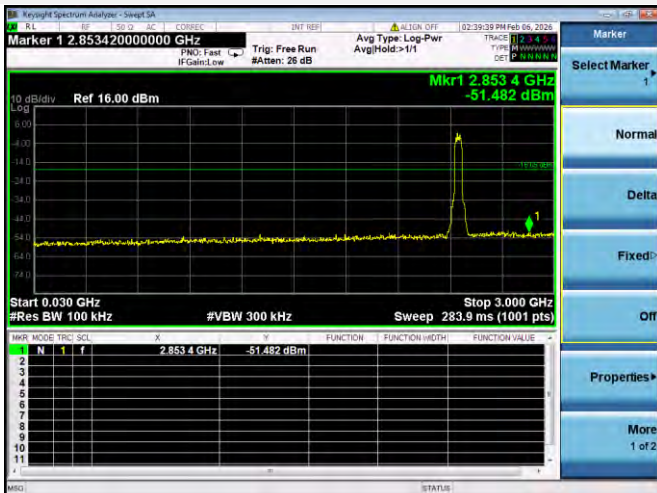
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



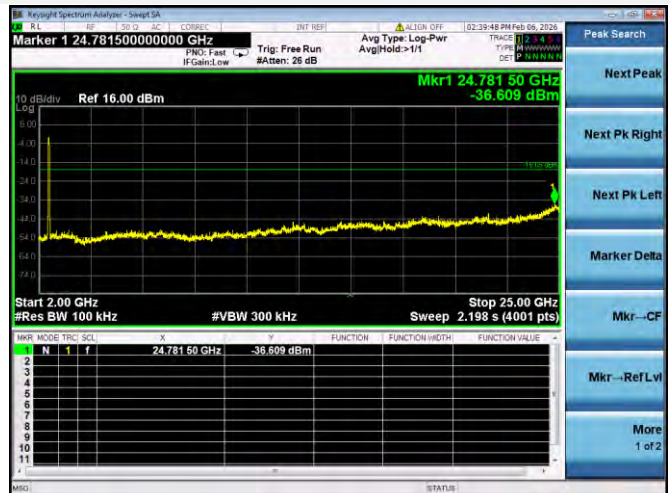
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



802.11n-40 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



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

Note: 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	-36.51	7.05	-12.95	Pass
High Channel	-40.38	7.22	-12.78	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-26.17	5.61	-14.39	Pass
High Channel	-38.56	6.07	-13.93	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-26.18	6.21	-13.79	Pass
High Channel	-39.05	5.47	-14.53	Pass

802.11n-40 MHz Mode:

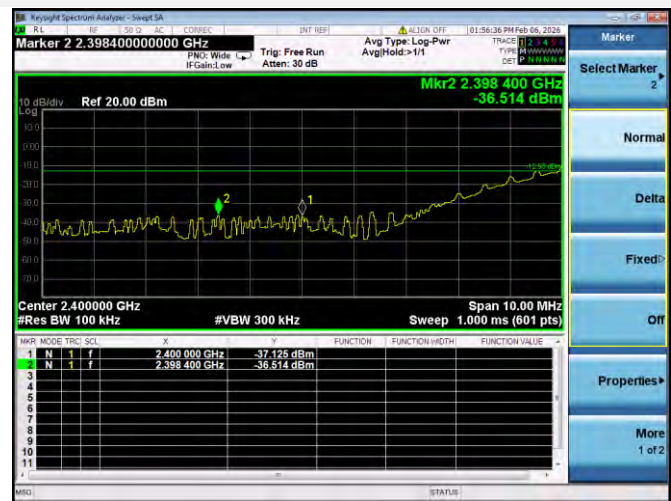
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-32.03	2.60	-17.40	Pass
High Channel	-34.22	1.95	-18.05	Pass

Test Plots

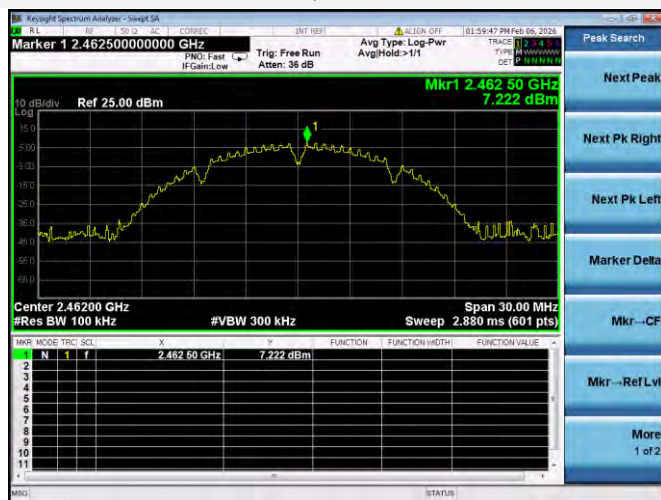
802.11b LOW CHANNEL, CARRIER LEVEL



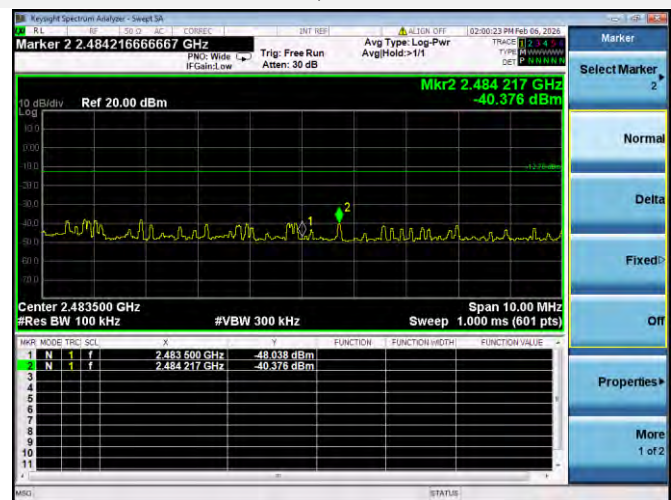
802.11b LOW CHANNEL, BAND EDGE



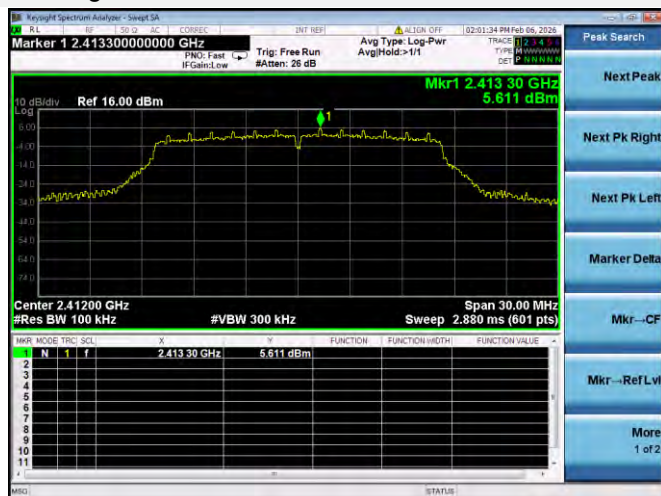
802.11b HIGH CHANNEL, CARRIER LEVEL



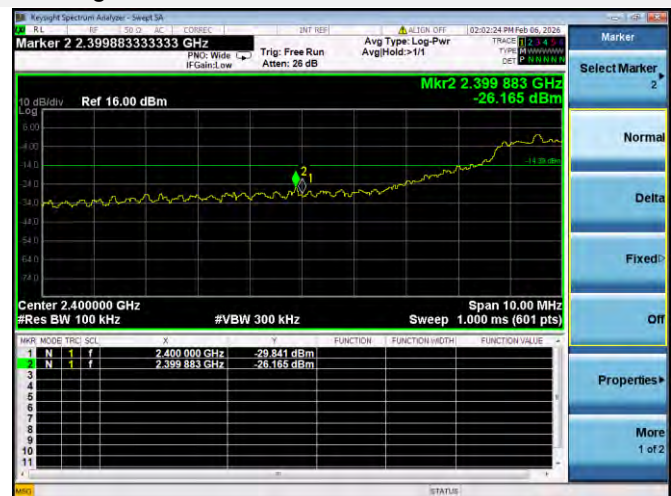
802.11b HIGH CHANNEL, BAND EDGE



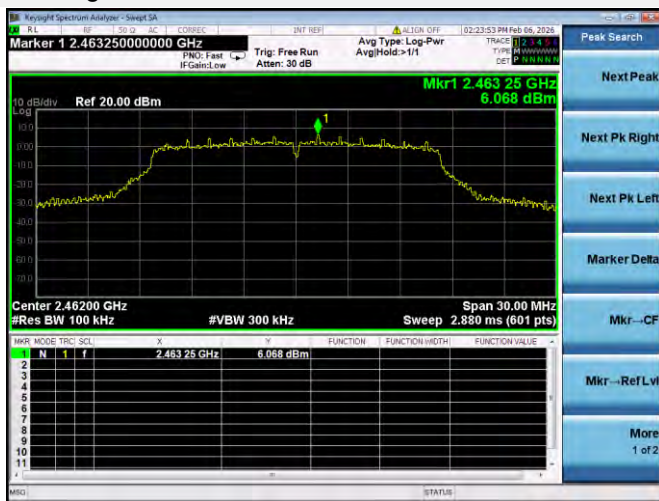
802.11g LOW CHANNEL, CARRIER LEVEL



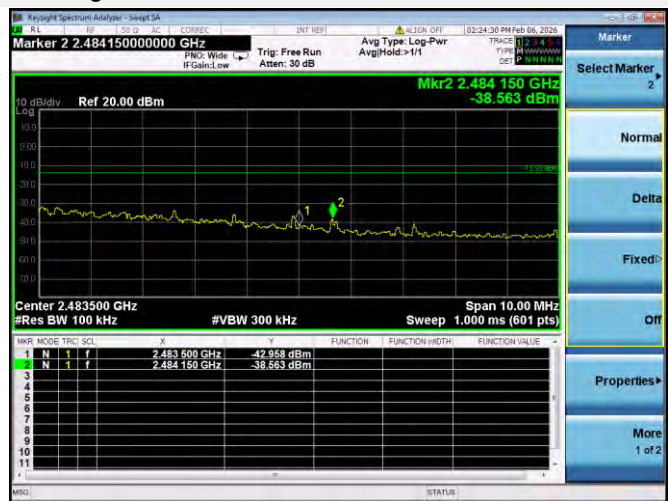
802.11g LOW CHANNEL, BAND EDGE



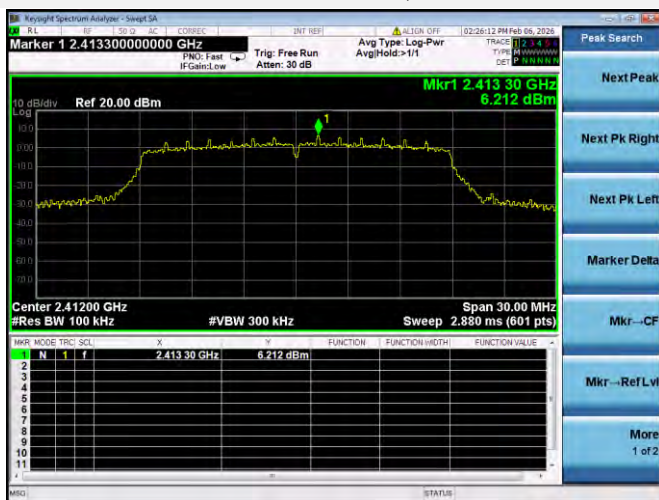
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



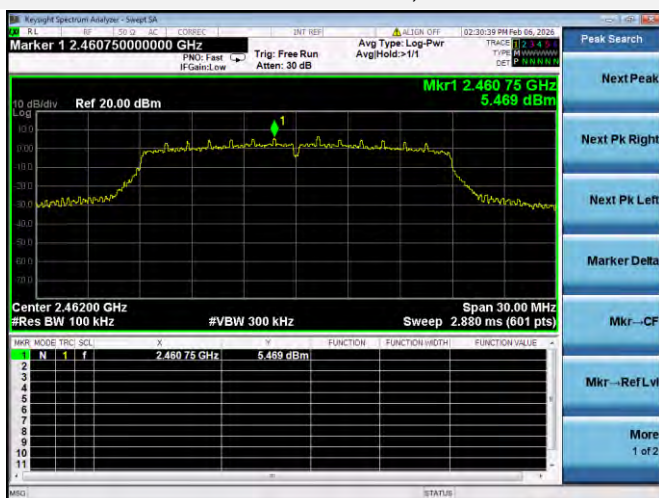
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



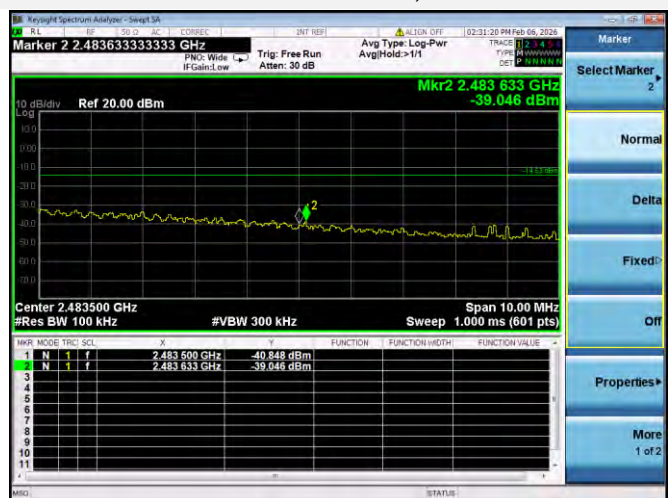
802.11n-20 MHz LOW CHANNEL, BAND EDGE



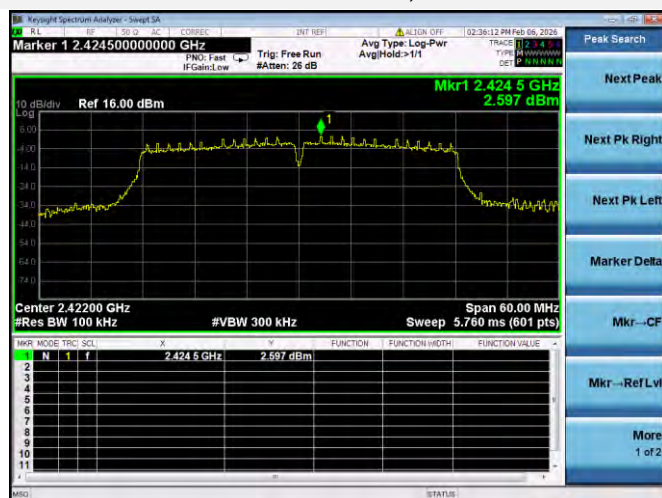
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



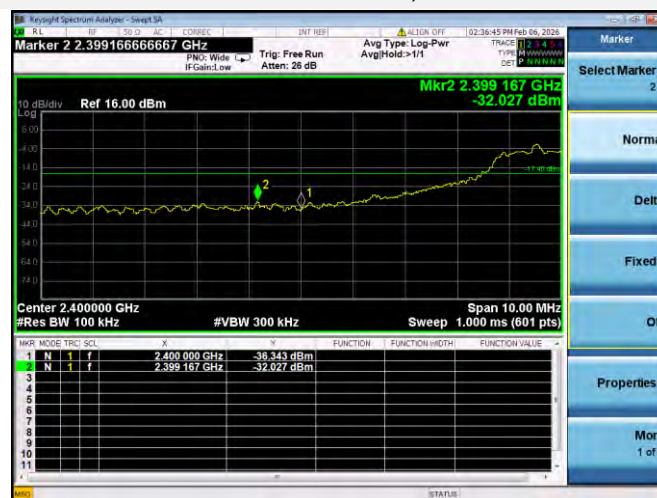
802.11n-20 MHz HIGH CHANNEL, BAND EDGE



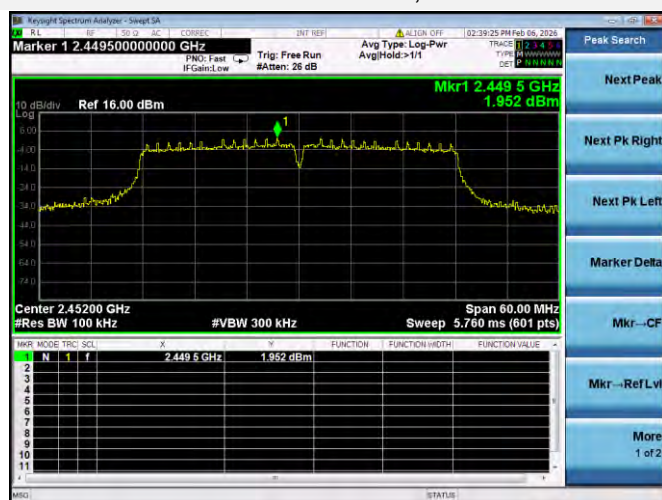
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



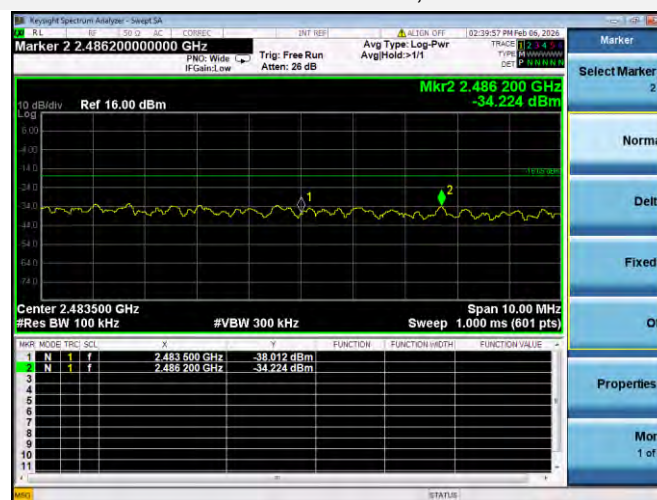
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

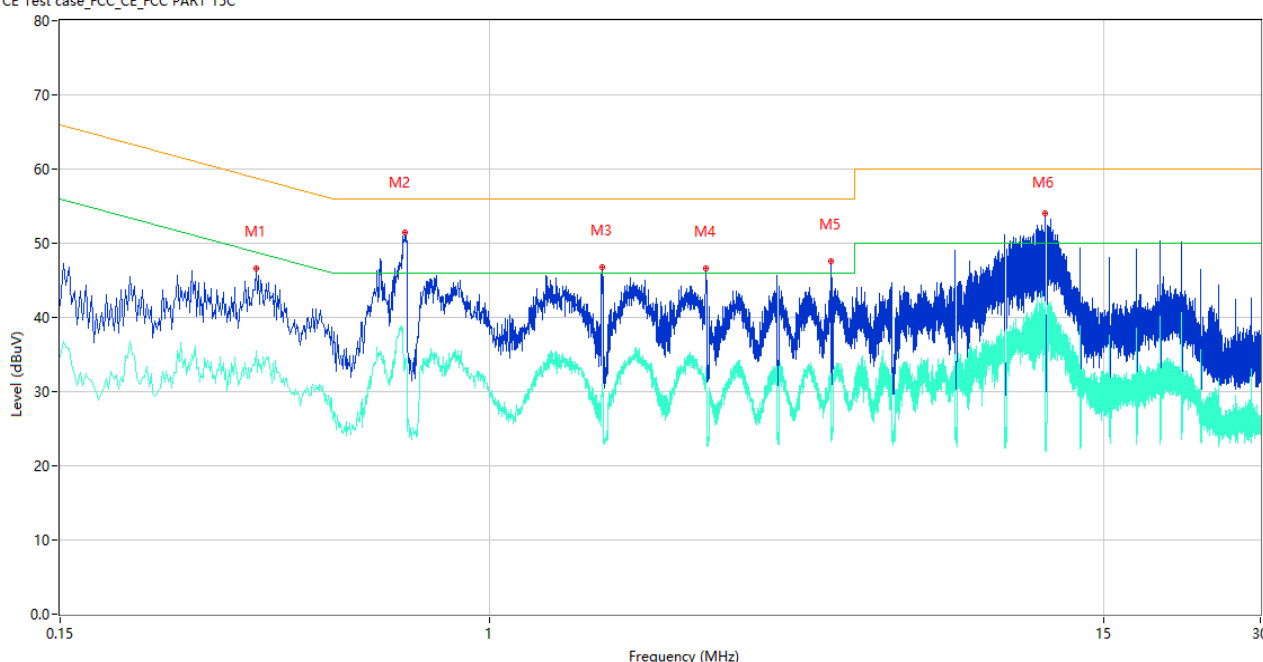
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

PHASE L

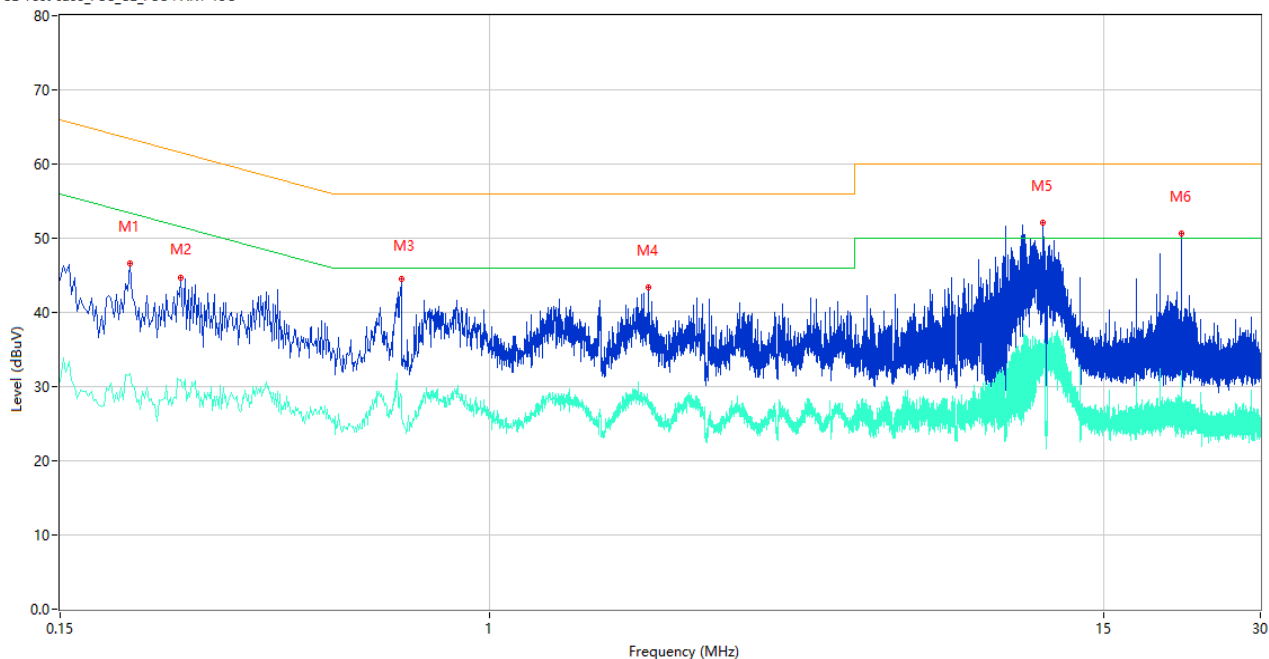
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.356	46.68	10.79	58.82	12.14	Peak	L	Pass
1**	0.356	35.52	10.79	48.82	13.30	AV	L	Pass
2	0.688	51.53	10.61	56.00	4.47	Peak	L	Pass
2**	0.688	34.44	10.61	46.00	11.56	AV	L	Pass
3	1.644	46.83	9.98	56.00	9.17	Peak	L	Pass
3**	1.644	30.86	9.98	46.00	15.14	AV	L	Pass
4	2.596	46.68	9.73	56.00	9.32	Peak	L	Pass
4**	2.596	33.22	9.73	46.00	12.78	AV	L	Pass
5	4.504	47.51	10.49	56.00	8.49	Peak	L	Pass
5**	4.504	32.39	10.49	46.00	13.61	AV	L	Pass
6	11.600	54.02	10.48	60.00	5.98	Peak	L	Pass
6**	11.600	39.36	10.48	50.00	10.64	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.204	46.54	9.84	63.45	16.91	Peak	N	Pass
1**	0.204	31.81	9.84	53.45	21.64	AV	N	Pass
2	0.256	44.67	9.82	61.56	16.89	Peak	N	Pass
2**	0.256	30.94	9.82	51.56	20.62	AV	N	Pass
3	0.676	44.54	10.50	56.00	11.46	Peak	N	Pass
3**	0.676	28.59	10.50	46.00	17.41	AV	N	Pass
4	2.016	43.45	10.37	56.00	12.55	Peak	N	Pass
4**	2.016	27.69	10.37	46.00	18.31	AV	N	Pass
5	11.500	52.04	10.61	60.00	7.96	Peak	N	Pass
5**	11.500	34.49	10.61	50.00	15.51	AV	N	Pass
6	21.170	50.68	11.21	60.00	9.32	Peak	N	Pass
6**	21.170	32.15	11.21	50.00	17.85	AV	N	Pass

A.6 Radiated Emission

Note ¹: The symbol of “--” in the table which means not application.

Note ²: 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.

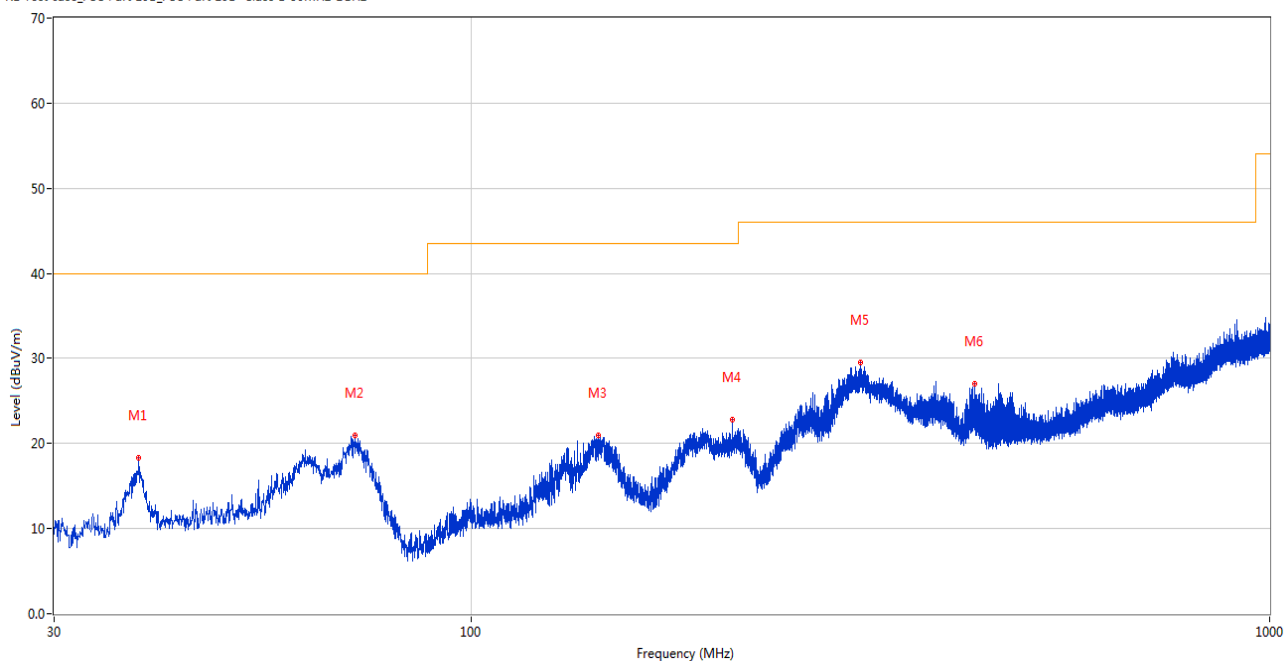
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note ⁴: 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

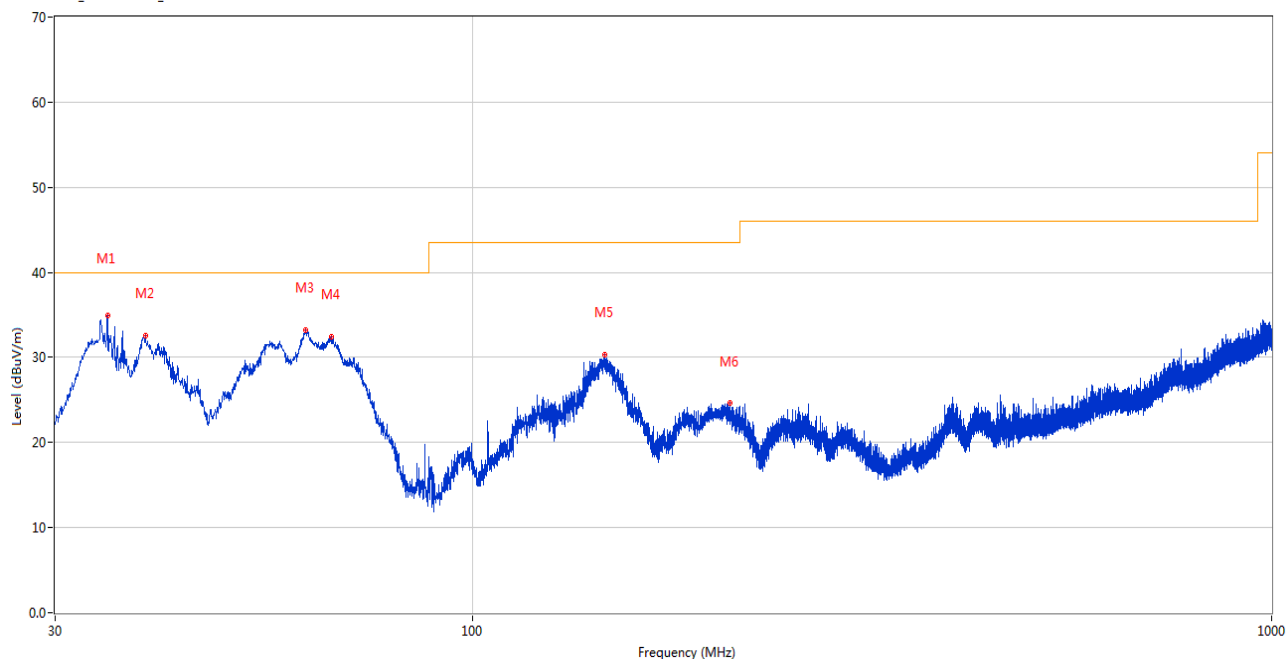
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.294	18.30	-26.35	40.0	21.70	Peak	167.90	100	Horizontal	Pass
2	71.564	20.97	-28.76	40.0	19.03	Peak	179.50	100	Horizontal	Pass
3	144.363	20.98	-28.70	43.5	22.52	Peak	288.30	100	Horizontal	Pass
4	212.505	22.78	-24.65	43.5	20.72	Peak	270.90	100	Horizontal	Pass
5	307.178	29.48	-21.31	46.0	16.52	Peak	131.20	100	Horizontal	Pass
6	426.585	27.05	-17.56	46.0	18.95	Peak	282.50	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



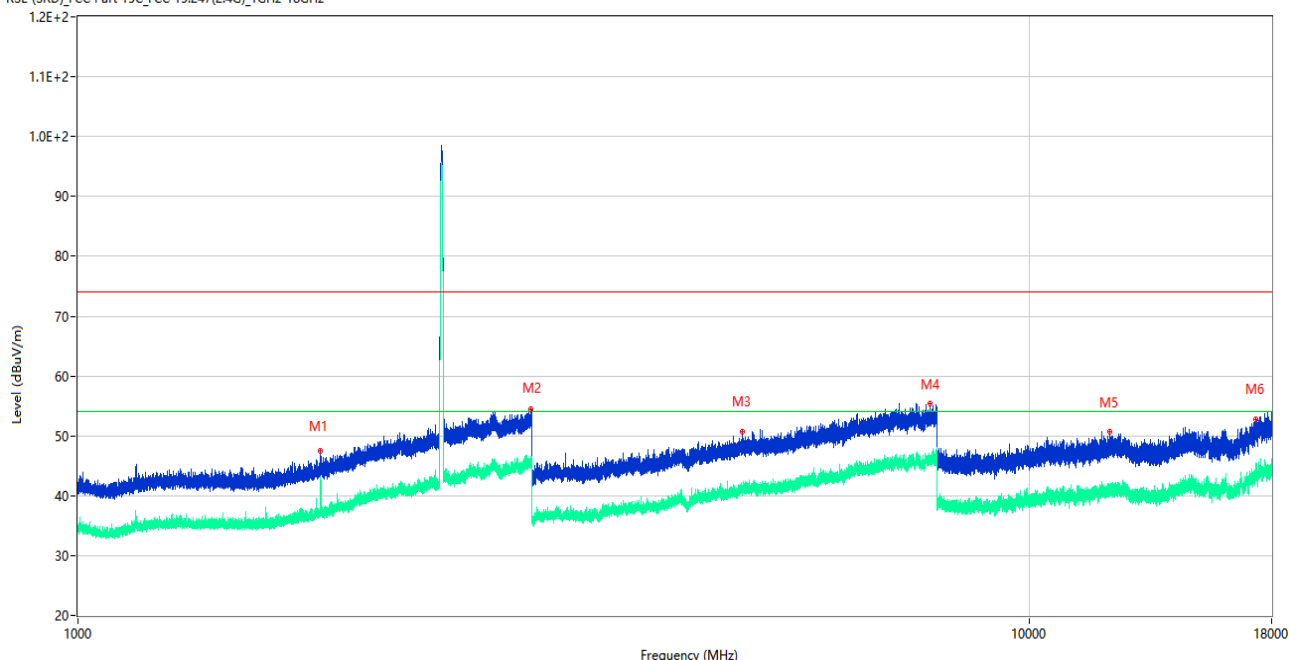
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	34.898	34.88	-27.78	40.0	5.12	Peak	311.80	100	Vertical	Pass
2	38.924	32.56	-25.88	40.0	7.44	Peak	247.40	100	Vertical	Pass
3	61.719	33.20	-25.71	40.0	6.80	Peak	150.80	100	Vertical	Pass
4	66.618	32.40	-27.08	40.0	7.60	Peak	114.80	100	Vertical	Pass
5	146.206	30.29	-28.80	43.5	13.21	Peak	317.60	100	Vertical	Pass
6	209.887	24.59	-24.74	43.5	18.91	Peak	284.70	100	Vertical	Pass

Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note 2: The spurious above 18G is noise only, do not show on the report.

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

RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1796.587	47.60	74.0	26.40	Peak	198.00	400	Horizontal	Pass
1**	1796.587	41.48	54.0	12.52	AV	198.00	400	Horizontal	Pass
2	2986.755	54.44	74.0	19.57	Peak	64.00	400	Horizontal	Pass
2**	2986.755	45.61	54.0	8.39	AV	64.00	400	Horizontal	Pass
3	4996.724	50.78	74.0	23.22	Peak	314.00	200	Horizontal	Pass
3**	4996.724	41.52	54.0	12.48	AV	314.00	200	Horizontal	Pass
4	7874.258	55.64	74.0	18.36	Peak	138.00	100	Horizontal	Pass
4**	7874.258	46.65	54.0	7.35	AV	138.00	100	Horizontal	Pass
5	12164.122	50.85	74.0	23.15	Peak	94.00	200	Horizontal	Pass
5**	12164.122	41.51	54.0	12.49	AV	94.00	200	Horizontal	Pass
6	17330.482	53.12	74.0	20.88	Peak	184.00	100	Horizontal	Pass
6**	17330.482	44.90	54.0	9.10	AV	184.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.082	42.50	74.0	31.50	Peak	108.00	300	Vertical	Pass
1**	1334.082	31.24	54.0	22.76	AV	108.00	300	Vertical	Pass
2	2079.752	50.80	74.0	23.20	Peak	17.00	100	Vertical	Pass
2**	2079.752	44.02	54.0	9.98	AV	17.00	100	Vertical	Pass
3	6806.370	52.53	74.0	21.47	Peak	107.00	200	Vertical	Pass
3**	6806.370	43.24	54.0	10.76	AV	107.00	200	Vertical	Pass
4	7969.677	56.61	74.0	17.39	Peak	74.00	200	Vertical	Pass
4**	7969.677	43.59	54.0	10.42	AV	74.00	200	Vertical	Pass
5	12462.084	49.79	74.0	24.21	Peak	319.00	200	Vertical	Pass
5**	12462.084	40.00	54.0	14.00	AV	319.00	200	Vertical	Pass
6	17104.407	51.64	74.0	22.36	Peak	146.00	100	Vertical	Pass
6**	17104.407	42.93	54.0	11.07	AV	146.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1800.694	46.78	74.0	27.22	Peak	196.00	200	Horizontal	Pass
1**	1800.694	41.19	54.0	12.81	AV	196.00	200	Horizontal	Pass
2	2986.488	54.26	74.0	19.75	Peak	126.00	100	Horizontal	Pass
2**	2986.488	45.60	54.0	8.40	AV	126.00	100	Horizontal	Pass
3	5001.139	49.96	74.0	24.04	Peak	332.00	200	Horizontal	Pass
3**	5001.139	40.66	54.0	13.34	AV	332.00	200	Horizontal	Pass
4	7867.711	55.24	74.0	18.76	Peak	174.00	200	Horizontal	Pass
4**	7867.711	46.60	54.0	7.40	AV	174.00	200	Horizontal	Pass
5	12162.343	50.47	74.0	23.53	Peak	45.00	100	Horizontal	Pass
5**	12162.343	41.11	54.0	12.89	AV	45.00	100	Horizontal	Pass
6	17334.352	52.45	74.0	21.55	Peak	345.00	100	Horizontal	Pass
6**	17334.352	44.22	54.0	9.78	AV	345.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.931	41.53	74.0	32.47	Peak	59.00	400	Vertical	Pass
1**	1334.931	30.34	54.0	23.66	AV	59.00	400	Vertical	Pass
2	2077.889	50.01	74.0	23.99	Peak	321.00	400	Vertical	Pass
2**	2077.889	43.94	54.0	10.06	AV	321.00	400	Vertical	Pass
3	6804.410	52.13	74.0	21.87	Peak	153.00	200	Vertical	Pass
3**	6804.410	42.35	54.0	11.65	AV	153.00	200	Vertical	Pass
4	7966.791	55.82	74.0	18.18	Peak	45.00	300	Vertical	Pass
4**	7966.791	43.16	54.0	10.85	AV	45.00	300	Vertical	Pass
5	12464.305	49.48	74.0	24.52	Peak	82.00	400	Vertical	Pass
5**	12464.305	39.03	54.0	14.97	AV	82.00	400	Vertical	Pass
6	17107.670	51.29	74.0	22.71	Peak	306.00	100	Vertical	Pass
6**	17107.670	42.13	54.0	11.87	AV	306.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1796.547	46.82	74.0	27.18	Peak	293.00	400	Horizontal	Pass
1**	1796.547	40.78	54.0	13.22	AV	293.00	400	Horizontal	Pass
2	2993.815	54.10	74.0	19.91	Peak	24.00	300	Horizontal	Pass
2**	2993.815	45.19	54.0	8.81	AV	24.00	300	Horizontal	Pass
3	5002.042	50.20	74.0	23.80	Peak	188.00	200	Horizontal	Pass
3**	5002.042	41.10	54.0	12.90	AV	188.00	200	Horizontal	Pass
4	7874.724	55.59	74.0	18.41	Peak	236.00	300	Horizontal	Pass
4**	7874.724	45.91	54.0	8.09	AV	236.00	300	Horizontal	Pass
5	12158.934	50.53	74.0	23.47	Peak	279.00	300	Horizontal	Pass
5**	12158.934	41.45	54.0	12.55	AV	279.00	300	Horizontal	Pass
6	17333.841	52.55	74.0	21.45	Peak	184.00	100	Horizontal	Pass
6**	17333.841	44.21	54.0	9.79	AV	184.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1796.547	46.82	74.0	27.18	Peak	293.00	400	Horizontal	Pass
1**	1796.547	40.78	54.0	13.22	AV	293.00	400	Horizontal	Pass
2	2993.815	54.10	74.0	19.91	Peak	24.00	300	Horizontal	Pass
2**	2993.815	45.19	54.0	8.81	AV	24.00	300	Horizontal	Pass
3	5002.042	50.20	74.0	23.80	Peak	188.00	200	Horizontal	Pass
3**	5002.042	41.10	54.0	12.90	AV	188.00	200	Horizontal	Pass
4	7874.724	55.59	74.0	18.41	Peak	236.00	300	Horizontal	Pass
4**	7874.724	45.91	54.0	8.09	AV	236.00	300	Horizontal	Pass
5	12158.934	50.53	74.0	23.47	Peak	279.00	300	Horizontal	Pass
5**	12158.934	41.45	54.0	12.55	AV	279.00	300	Horizontal	Pass
6	17333.841	52.55	74.0	21.45	Peak	184.00	100	Horizontal	Pass
6**	17333.841	44.21	54.0	9.79	AV	184.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1797.829	47.47	74.0	26.53	Peak	9.00	300	Horizontal	Pass
1**	1797.829	41.36	54.0	12.64	AV	9.00	300	Horizontal	Pass
2	2994.112	54.01	74.0	20.00	Peak	304.00	300	Horizontal	Pass
2**	2994.112	45.03	54.0	8.97	AV	304.00	300	Horizontal	Pass
3	5000.977	50.10	74.0	23.90	Peak	1.00	200	Horizontal	Pass
3**	5000.977	41.11	54.0	12.89	AV	1.00	200	Horizontal	Pass
4	7871.485	54.73	74.0	19.27	Peak	208.00	200	Horizontal	Pass
4**	7871.485	46.57	54.0	7.43	AV	208.00	200	Horizontal	Pass
5	12162.371	50.56	74.0	23.44	Peak	287.00	300	Horizontal	Pass
5**	12162.371	40.91	54.0	13.09	AV	287.00	300	Horizontal	Pass
6	17332.113	53.07	74.0	20.93	Peak	109.00	400	Horizontal	Pass
6**	17332.113	44.68	54.0	9.32	AV	109.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.806	40.62	74.0	33.38	Peak	254.00	400	Vertical	Pass
1**	1331.806	30.21	54.0	23.79	AV	254.00	400	Vertical	Pass
2	2082.386	49.98	74.0	24.02	Peak	279.00	400	Vertical	Pass
2**	2082.386	43.72	54.0	10.28	AV	279.00	400	Vertical	Pass
3	6801.147	51.16	74.0	22.84	Peak	55.00	200	Vertical	Pass
3**	6801.147	41.84	54.0	12.16	AV	55.00	200	Vertical	Pass
4	7967.903	54.86	74.0	19.14	Peak	279.00	100	Vertical	Pass
4**	7967.903	43.11	54.0	10.90	AV	279.00	100	Vertical	Pass
5	12463.239	49.12	74.0	24.88	Peak	268.00	200	Vertical	Pass
5**	12463.239	38.45	54.0	15.55	AV	268.00	200	Vertical	Pass
6	17107.885	50.94	74.0	23.06	Peak	113.00	100	Vertical	Pass
6**	17107.885	41.20	54.0	12.80	AV	113.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1797.164	45.89	74.0	28.11	Peak	187.00	100	Horizontal	Pass
1**	1797.164	40.58	54.0	13.42	AV	187.00	100	Horizontal	Pass
2	2990.639	54.10	74.0	19.91	Peak	148.00	400	Horizontal	Pass
2**	2990.639	45.33	54.0	8.67	AV	148.00	400	Horizontal	Pass
3	5002.718	49.08	74.0	24.92	Peak	80.00	200	Horizontal	Pass
3**	5002.718	40.16	54.0	13.84	AV	80.00	200	Horizontal	Pass
4	7872.245	54.79	74.0	19.21	Peak	280.00	400	Horizontal	Pass
4**	7872.245	46.17	54.0	7.83	AV	280.00	400	Horizontal	Pass
5	12160.033	49.57	74.0	24.43	Peak	46.00	200	Horizontal	Pass
5**	12160.033	40.73	54.0	13.27	AV	46.00	200	Horizontal	Pass
6	17333.492	51.46	74.0	22.54	Peak	247.00	100	Horizontal	Pass
6**	17333.492	44.11	54.0	9.89	AV	247.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.070	41.91	74.0	32.09	Peak	308.00	400	Vertical	Pass
1**	1336.070	30.02	54.0	23.98	AV	308.00	400	Vertical	Pass
2	2081.957	49.65	74.0	24.35	Peak	314.00	300	Vertical	Pass
2**	2081.957	43.44	54.0	10.56	AV	314.00	300	Vertical	Pass
3	6806.081	51.58	74.0	22.42	Peak	210.00	200	Vertical	Pass
3**	6806.081	42.16	54.0	11.84	AV	210.00	200	Vertical	Pass
4	7963.557	55.13	74.0	18.87	Peak	211.00	200	Vertical	Pass
4**	7963.557	43.05	54.0	10.96	AV	211.00	200	Vertical	Pass
5	12467.699	48.44	74.0	25.56	Peak	178.00	400	Vertical	Pass
5**	12467.699	39.61	54.0	14.39	AV	178.00	400	Vertical	Pass
6	17103.582	51.54	74.0	22.46	Peak	309.00	300	Vertical	Pass
6**	17103.582	42.18	54.0	11.82	AV	309.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1800.154	46.64	74.0	27.36	Peak	40.00	400	Horizontal	Pass
1**	1800.154	39.96	54.0	14.04	AV	40.00	400	Horizontal	Pass
2	2987.278	54.09	74.0	19.92	Peak	147.00	100	Horizontal	Pass
2**	2987.278	44.60	54.0	9.40	AV	147.00	100	Horizontal	Pass
3	4999.918	49.57	74.0	24.43	Peak	248.00	200	Horizontal	Pass
3**	4999.918	40.93	54.0	13.07	AV	248.00	200	Horizontal	Pass
4	7868.418	55.05	74.0	18.95	Peak	94.00	200	Horizontal	Pass
4**	7868.418	45.03	54.0	8.97	AV	94.00	200	Horizontal	Pass
5	12164.680	49.89	74.0	24.11	Peak	349.00	300	Horizontal	Pass
5**	12164.680	40.89	54.0	13.11	AV	349.00	300	Horizontal	Pass
6	17335.626	52.48	74.0	21.52	Peak	220.00	400	Horizontal	Pass
6**	17335.626	43.84	54.0	10.16	AV	220.00	400	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.154	40.54	74.0	33.46	Peak	264.00	400	Vertical	Pass
1**	1333.154	30.12	54.0	23.88	AV	264.00	400	Vertical	Pass
2	2080.136	49.95	74.0	24.06	Peak	353.00	200	Vertical	Pass
2**	2080.136	43.67	54.0	10.33	AV	353.00	200	Vertical	Pass
3	6806.316	51.07	74.0	22.93	Peak	205.00	200	Vertical	Pass
3**	6806.316	41.77	54.0	12.23	AV	205.00	200	Vertical	Pass
4	7966.652	54.79	74.0	19.21	Peak	333.00	300	Vertical	Pass
4**	7966.652	43.04	54.0	10.96	AV	333.00	300	Vertical	Pass
5	12464.737	49.05	74.0	24.95	Peak	54.00	300	Vertical	Pass
5**	12464.737	38.40	54.0	15.60	AV	54.00	300	Vertical	Pass
6	17108.369	50.84	74.0	23.16	Peak	53.00	300	Vertical	Pass
6**	17108.369	41.17	54.0	12.83	AV	53.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1800.745	47.42	74.0	26.58	Peak	148.00	400	Horizontal	Pass
1**	1800.745	41.28	54.0	12.72	AV	148.00	400	Horizontal	Pass
2	2993.180	53.91	74.0	20.09	Peak	58.00	200	Horizontal	Pass
2**	2993.180	44.95	54.0	9.05	AV	58.00	200	Horizontal	Pass
3	4998.374	50.05	74.0	23.95	Peak	352.00	200	Horizontal	Pass
3**	4998.374	41.01	54.0	12.99	AV	352.00	200	Horizontal	Pass
4	7868.944	54.69	74.0	19.31	Peak	121.00	100	Horizontal	Pass
4**	7868.944	46.55	54.0	7.45	AV	121.00	100	Horizontal	Pass
5	12159.974	50.46	74.0	23.54	Peak	284.00	400	Horizontal	Pass
5**	12159.974	40.82	54.0	13.19	AV	284.00	400	Horizontal	Pass
6	17332.301	53.03	74.0	20.97	Peak	311.00	300	Horizontal	Pass
6**	17332.301	44.66	54.0	9.34	AV	311.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.395	41.81	74.0	32.19	Peak	45.00	200	Vertical	Pass
1**	1330.395	29.98	54.0	24.02	AV	45.00	200	Vertical	Pass
2	2080.562	49.60	74.0	24.40	Peak	244.00	400	Vertical	Pass
2**	2080.562	43.38	54.0	10.62	AV	244.00	400	Vertical	Pass
3	6800.100	51.56	74.0	22.44	Peak	347.00	200	Vertical	Pass
3**	6800.100	42.07	54.0	11.93	AV	347.00	200	Vertical	Pass
4	7965.751	55.07	74.0	18.93	Peak	235.00	200	Vertical	Pass
4**	7965.751	43.01	54.0	10.99	AV	235.00	200	Vertical	Pass
5	12468.122	48.41	74.0	25.59	Peak	162.00	200	Vertical	Pass
5**	12468.122	39.56	54.0	14.44	AV	162.00	200	Vertical	Pass
6	17104.729	51.52	74.0	22.48	Peak	12.00	400	Vertical	Pass
6**	17104.729	42.12	54.0	11.89	AV	12.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1800.272	47.54	74.0	26.46	Peak	101.00	200	Horizontal	Pass
1**	1800.272	41.39	54.0	12.61	AV	101.00	200	Horizontal	Pass
2	2990.949	54.39	74.0	19.61	Peak	222.00	300	Horizontal	Pass
2**	2990.949	45.53	54.0	8.47	AV	222.00	300	Horizontal	Pass
3	5001.080	50.76	74.0	23.25	Peak	256.00	200	Horizontal	Pass
3**	5001.080	41.50	54.0	12.50	AV	256.00	200	Horizontal	Pass
4	7875.417	55.63	74.0	18.37	Peak	191.00	300	Horizontal	Pass
4**	7875.417	46.56	54.0	7.44	AV	191.00	300	Horizontal	Pass
5	12162.917	50.77	74.0	23.23	Peak	351.00	200	Horizontal	Pass
5**	12162.917	41.50	54.0	12.50	AV	351.00	200	Horizontal	Pass
6	17332.028	53.08	74.0	20.92	Peak	53.00	200	Horizontal	Pass
6**	17332.028	44.82	54.0	9.18	AV	53.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.149	40.42	74.0	33.58	Peak	80.00	400	Vertical	Pass
1**	1332.149	29.60	54.0	24.40	AV	80.00	400	Vertical	Pass
2	2080.753	49.88	74.0	24.13	Peak	120.00	200	Vertical	Pass
2**	2080.753	43.30	54.0	10.70	AV	120.00	200	Vertical	Pass
3	6805.283	50.57	74.0	23.43	Peak	106.00	200	Vertical	Pass
3**	6805.283	41.56	54.0	12.44	AV	106.00	200	Vertical	Pass
4	7970.788	54.00	74.0	20.00	Peak	309.00	300	Vertical	Pass
4**	7970.788	42.46	54.0	11.54	AV	309.00	300	Vertical	Pass
5	12465.036	48.58	74.0	25.42	Peak	52.00	400	Vertical	Pass
5**	12465.036	37.61	54.0	16.39	AV	52.00	400	Vertical	Pass
6	17102.850	50.62	74.0	23.38	Peak	319.00	100	Vertical	Pass
6**	17102.850	40.72	54.0	13.28	AV	319.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1799.516	47.53	74.0	26.47	Peak	255.00	200	Horizontal	Pass
1**	1799.516	41.42	54.0	12.58	AV	255.00	200	Horizontal	Pass
2	2993.433	54.34	74.0	19.66	Peak	356.00	200	Horizontal	Pass
2**	2993.433	45.61	54.0	8.39	AV	356.00	200	Horizontal	Pass
3	4999.837	50.72	74.0	23.28	Peak	133.00	200	Horizontal	Pass
3**	4999.837	41.51	54.0	12.49	AV	133.00	200	Horizontal	Pass
4	7873.004	55.60	74.0	18.40	Peak	28.00	200	Horizontal	Pass
4**	7873.004	46.63	54.0	7.38	AV	28.00	200	Horizontal	Pass
5	12159.055	50.84	74.0	23.16	Peak	277.00	100	Horizontal	Pass
5**	12159.055	41.49	54.0	12.51	AV	277.00	100	Horizontal	Pass
6	17327.688	53.06	74.0	20.94	Peak	72.00	400	Horizontal	Pass
6**	17327.688	44.82	54.0	9.18	AV	72.00	400	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.233	41.78	74.0	32.22	Peak	281.00	300	Vertical	Pass
1**	1334.233	29.02	54.0	24.98	AV	281.00	300	Vertical	Pass
2	2078.956	49.06	74.0	24.94	Peak	1.00	100	Vertical	Pass
2**	2078.956	42.82	54.0	11.18	AV	1.00	100	Vertical	Pass
3	6807.943	50.85	74.0	23.15	Peak	275.00	200	Vertical	Pass
3**	6807.943	41.79	54.0	12.21	AV	275.00	200	Vertical	Pass
4	7968.208	54.09	74.0	19.91	Peak	212.00	400	Vertical	Pass
4**	7968.208	42.32	54.0	11.68	AV	212.00	400	Vertical	Pass
5	12465.394	47.86	74.0	26.14	Peak	231.00	100	Vertical	Pass
5**	12465.394	38.98	54.0	15.02	AV	231.00	100	Vertical	Pass
6	17106.214	51.36	74.0	22.64	Peak	164.00	100	Vertical	Pass
6**	17106.214	41.78	54.0	12.23	AV	164.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1797.056	47.52	74.0	26.48	Peak	5.00	100	Horizontal	Pass
1**	1797.056	41.41	54.0	12.59	AV	5.00	100	Horizontal	Pass
2	2991.715	54.42	74.0	19.58	Peak	254.00	200	Horizontal	Pass
2**	2991.715	45.61	54.0	8.39	AV	254.00	200	Horizontal	Pass
3	5002.693	50.68	74.0	23.32	Peak	190.00	200	Horizontal	Pass
3**	5002.693	41.49	54.0	12.51	AV	190.00	200	Horizontal	Pass
4	7867.807	55.59	74.0	18.41	Peak	184.00	100	Horizontal	Pass
4**	7867.807	46.61	54.0	7.40	AV	184.00	100	Horizontal	Pass
5	12160.698	50.84	74.0	23.17	Peak	122.00	400	Horizontal	Pass
5**	12160.698	41.44	54.0	12.57	AV	122.00	400	Horizontal	Pass
6	17327.705	53.02	74.0	20.98	Peak	253.00	200	Horizontal	Pass
6**	17327.705	44.86	54.0	9.14	AV	253.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.999	42.37	74.0	31.63	Peak	158.00	300	Vertical	Pass
1**	1334.999	31.14	54.0	22.86	AV	158.00	300	Vertical	Pass
2	2081.154	50.39	74.0	23.61	Peak	24.00	400	Vertical	Pass
2**	2081.154	43.32	54.0	10.68	AV	24.00	400	Vertical	Pass
3	6805.636	51.99	74.0	22.01	Peak	145.00	200	Vertical	Pass
3**	6805.636	42.42	54.0	11.58	AV	145.00	200	Vertical	Pass
4	7966.925	55.71	74.0	18.29	Peak	34.00	400	Vertical	Pass
4**	7966.925	43.25	54.0	10.76	AV	34.00	400	Vertical	Pass
5	12463.848	48.81	74.0	25.19	Peak	257.00	300	Vertical	Pass
5**	12463.848	39.03	54.0	14.97	AV	257.00	300	Vertical	Pass
6	17107.159	51.01	74.0	22.99	Peak	19.00	300	Vertical	Pass
6**	17107.159	42.24	54.0	11.76	AV	19.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1801.047	45.90	74.0	28.10	Peak	167.00	300	Horizontal	Pass
1**	1801.047	40.61	54.0	13.39	AV	167.00	300	Horizontal	Pass
2	2987.873	53.33	74.0	20.68	Peak	94.00	200	Horizontal	Pass
2**	2987.873	45.23	54.0	8.77	AV	94.00	200	Horizontal	Pass
3	5002.145	49.42	74.0	24.58	Peak	60.00	200	Horizontal	Pass
3**	5002.145	40.56	54.0	13.44	AV	60.00	200	Horizontal	Pass
4	7873.962	55.16	74.0	18.84	Peak	5.00	100	Horizontal	Pass
4**	7873.962	46.47	54.0	7.53	AV	5.00	100	Horizontal	Pass
5	12160.406	50.43	74.0	23.57	Peak	225.00	200	Horizontal	Pass
5**	12160.406	41.00	54.0	13.00	AV	225.00	200	Horizontal	Pass
6	17330.364	51.77	74.0	22.23	Peak	188.00	100	Horizontal	Pass
6**	17330.364	43.93	54.0	10.07	AV	188.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.264	40.56	74.0	33.44	Peak	259.00	400	Vertical	Pass
1**	1333.264	30.23	54.0	23.77	AV	259.00	400	Vertical	Pass
2	2082.661	49.17	74.0	24.83	Peak	203.00	200	Vertical	Pass
2**	2082.661	43.18	54.0	10.82	AV	203.00	200	Vertical	Pass
3	6805.478	51.40	74.0	22.60	Peak	108.00	200	Vertical	Pass
3**	6805.478	41.45	54.0	12.55	AV	108.00	200	Vertical	Pass
4	7967.209	54.89	74.0	19.11	Peak	360.00	300	Vertical	Pass
4**	7967.209	42.33	54.0	11.68	AV	360.00	300	Vertical	Pass
5	12466.401	49.14	74.0	24.86	Peak	313.00	400	Vertical	Pass
5**	12466.401	38.41	54.0	15.59	AV	313.00	400	Vertical	Pass
6	17108.210	50.48	74.0	23.52	Peak	86.00	100	Vertical	Pass
6**	17108.210	41.22	54.0	12.78	AV	86.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1797.494	47.01	74.0	26.99	Peak	11.00	300	Horizontal	Pass
1**	1797.494	40.52	54.0	13.48	AV	11.00	300	Horizontal	Pass
2	2987.025	54.19	74.0	19.82	Peak	285.00	300	Horizontal	Pass
2**	2987.025	45.09	54.0	8.91	AV	285.00	300	Horizontal	Pass
3	4997.311	50.44	74.0	23.56	Peak	174.00	200	Horizontal	Pass
3**	4997.311	41.26	54.0	12.74	AV	174.00	200	Horizontal	Pass
4	7869.328	54.65	74.0	19.35	Peak	163.00	200	Horizontal	Pass
4**	7869.328	46.62	54.0	7.38	AV	163.00	200	Horizontal	Pass
5	12159.451	50.52	74.0	23.48	Peak	329.00	400	Horizontal	Pass
5**	12159.451	41.20	54.0	12.80	AV	329.00	400	Horizontal	Pass
6	17329.818	52.45	74.0	21.55	Peak	126.00	400	Horizontal	Pass
6**	17329.818	44.50	54.0	9.50	AV	126.00	400	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.187	41.77	74.0	32.23	Peak	355.00	100	Vertical	Pass
1**	1333.187	30.44	54.0	23.56	AV	355.00	100	Vertical	Pass
2	2076.525	50.59	74.0	23.41	Peak	129.00	100	Vertical	Pass
2**	2076.525	43.58	54.0	10.42	AV	129.00	100	Vertical	Pass
3	6803.936	52.19	74.0	21.81	Peak	260.00	200	Vertical	Pass
3**	6803.936	43.07	54.0	10.93	AV	260.00	200	Vertical	Pass
4	7967.588	55.80	74.0	18.20	Peak	325.00	300	Vertical	Pass
4**	7967.588	42.85	54.0	11.16	AV	325.00	300	Vertical	Pass
5	12467.473	49.45	74.0	24.55	Peak	337.00	100	Vertical	Pass
5**	12467.473	39.19	54.0	14.81	AV	337.00	100	Vertical	Pass
6	17105.586	50.75	74.0	23.25	Peak	70.00	100	Vertical	Pass
6**	17105.586	42.90	54.0	11.10	AV	70.00	100	Vertical	Pass

A.7 Band Edge (Restricted-band band-edge)

Note ¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

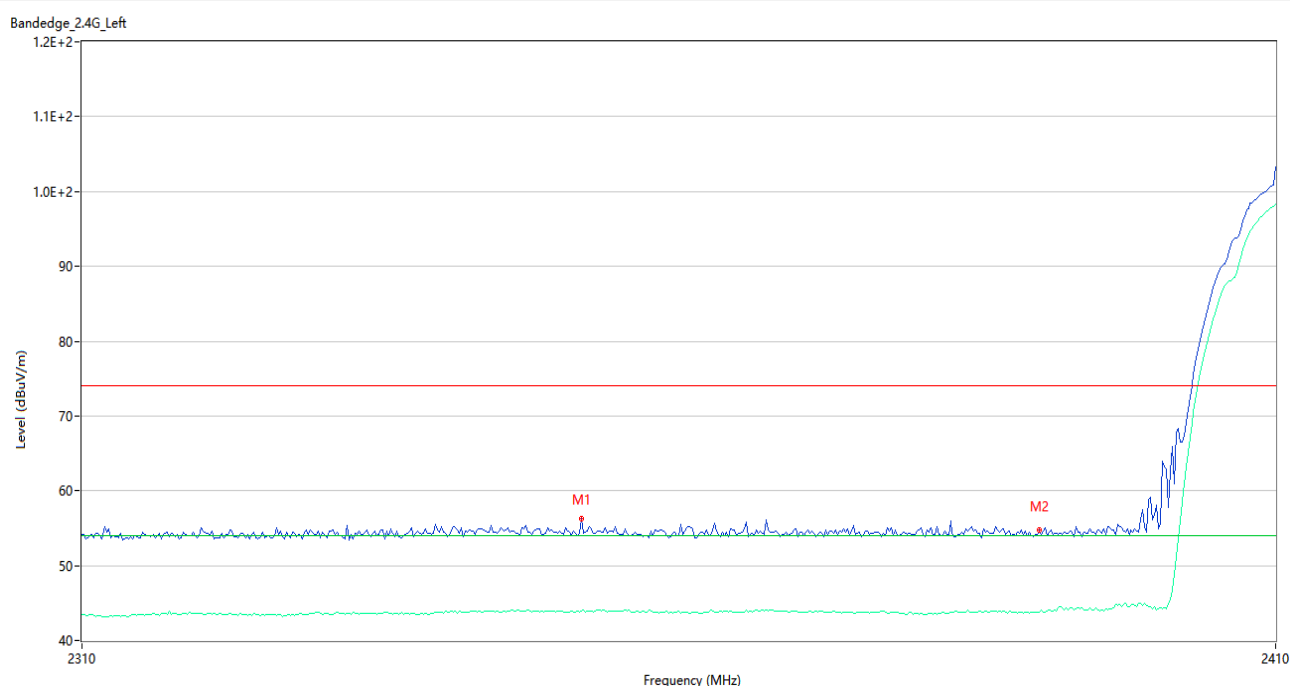
Note ²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note ³: 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.

Note ⁴: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

Test Data and Plots

802.11b LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2355.665	55.60	74.0	18.40	Peak	341.00	300	Horizontal	Pass
1**	2355.665	43.47	54.0	10.53	AV	341.00	300	Horizontal	Pass
2	2390.000	53.81	74.0	20.19	Peak	145.00	200	Horizontal	Pass
2**	2390.000	43.72	54.0	10.28	AV	145.00	200	Horizontal	Pass

802.11b HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.58	74.0	20.42	Peak	148.00	100	Horizontal	Pass
1**	2483.500	42.78	54.0	11.22	AV	148.00	100	Horizontal	Pass
2	2495.786	55.67	74.0	18.33	Peak	234.00	200	Horizontal	Pass
2**	2495.786	43.31	54.0	10.69	AV	234.00	200	Horizontal	Pass

802.11g LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2335.258	56.26	74.0	17.74	Peak	64.00	100	Horizontal	Pass
1**	2335.258	43.50	54.0	10.50	AV	64.00	100	Horizontal	Pass
2	2390.000	54.66	74.0	19.34	Peak	127.00	200	Horizontal	Pass
2**	2390.000	42.79	54.0	11.21	AV	127.00	200	Horizontal	Pass

802.11g HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.85	74.0	20.15	Peak	75.00	200	Horizontal	Pass
1**	2483.500	43.64	54.0	10.36	AV	75.00	200	Horizontal	Pass
2	2486.282	55.04	74.0	18.96	Peak	75.00	100	Horizontal	Pass
2**	2486.282	43.18	54.0	10.82	AV	75.00	100	Horizontal	Pass

802.11n20 LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2387.113	56.03	74.0	17.97	Peak	312.00	300	Horizontal	Pass
1**	2387.113	43.00	54.0	11.00	AV	312.00	300	Horizontal	Pass
2	2390.000	54.20	74.0	19.80	Peak	344.00	300	Horizontal	Pass
2**	2390.000	42.85	54.0	11.15	AV	344.00	300	Horizontal	Pass

802.11n20 HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.75	74.0	20.25	Peak	199.00	200	Horizontal	Pass
1**	2483.500	43.45	54.0	10.55	AV	199.00	200	Horizontal	Pass
2	2486.570	55.40	74.0	18.60	Peak	278.00	200	Horizontal	Pass
2**	2486.570	43.03	54.0	10.97	AV	278.00	200	Horizontal	Pass

802.11n40 LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2381.400	55.13	74.0	18.87	Peak	20.00	100	Horizontal	Pass
1**	2381.400	42.29	54.0	11.71	AV	20.00	100	Horizontal	Pass
2	2390.000	53.96	74.0	20.04	Peak	217.00	200	Horizontal	Pass
2**	2390.000	43.49	54.0	10.51	AV	217.00	200	Horizontal	Pass

802.11n40 HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.78	74.0	20.22	Peak	205.00	300	Horizontal	Pass
1**	2483.500	43.02	54.0	10.98	AV	205.00	300	Horizontal	Pass
2	2487.043	55.32	74.0	18.68	Peak	164.00	300	Horizontal	Pass
2**	2487.043	43.18	54.0	10.82	AV	164.00	300	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.806	8
Middle	-7.192	8
High	-7.933	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.160	8
Middle	-9.104	8
High	-9.350	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.377	8
Middle	-9.699	8
High	-10.086	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.673	8
Middle	-13.266	8
High	-13.778	8

Test Plots

802.11b LOW CHANNEL



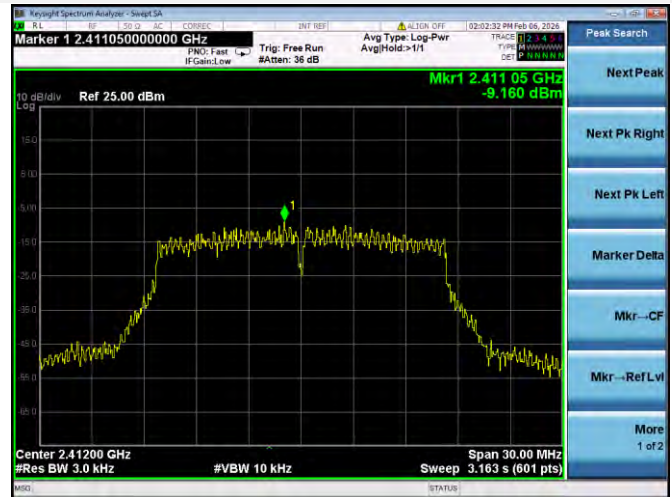
802.11b MIDDLE CHANNEL



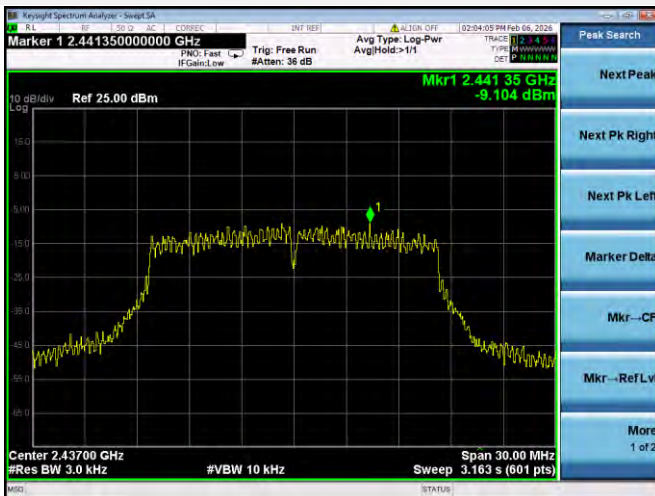
802.11b HIGH CHANNEL



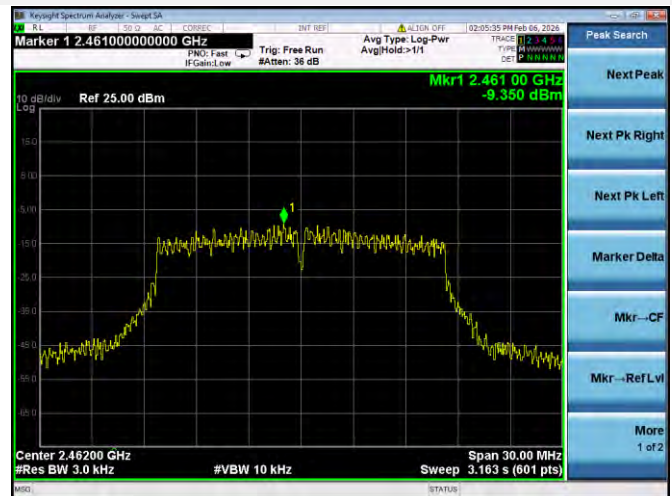
802.11g LOW CHANNEL



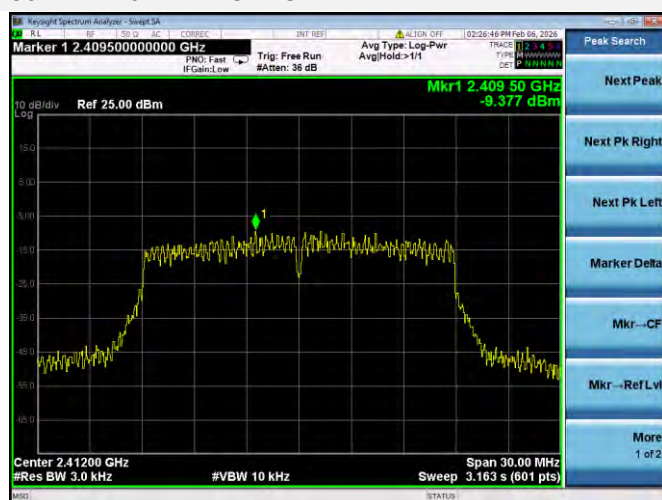
802.11g MIDDLE CHANNEL



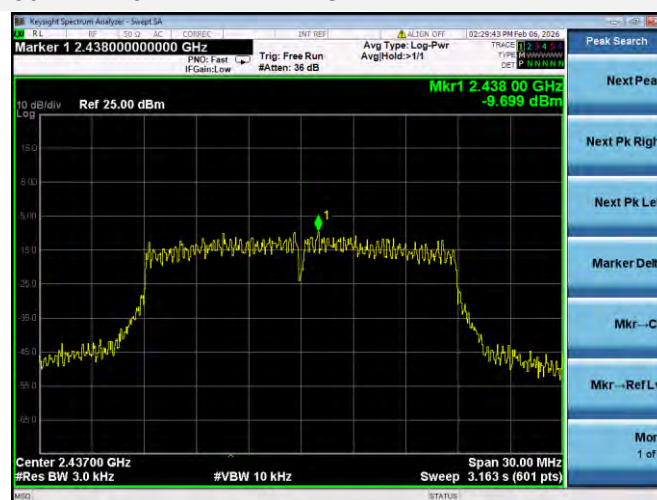
802.11g HIGH CHANNEL



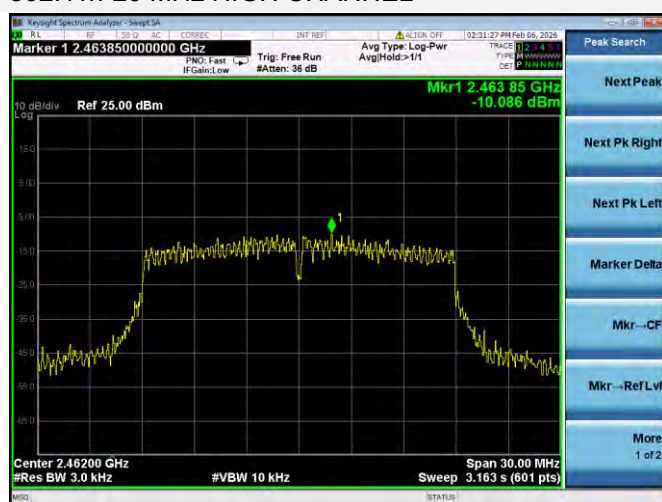
802.11n-20 MHz LOW CHANNEL



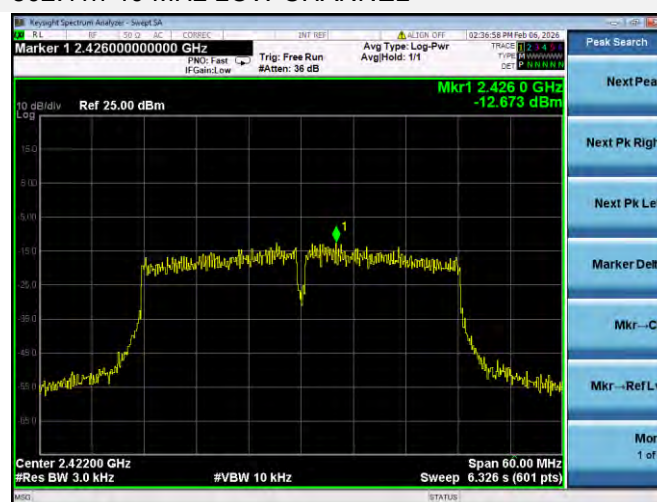
802.11n-20 MHz MIDDLE CHANNEL



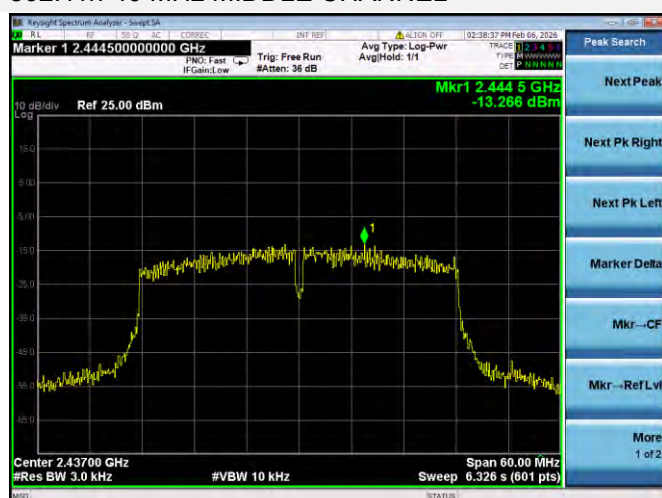
802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26010390-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26010390-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26010390-AI.PDF”.

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--END OF REPORT--