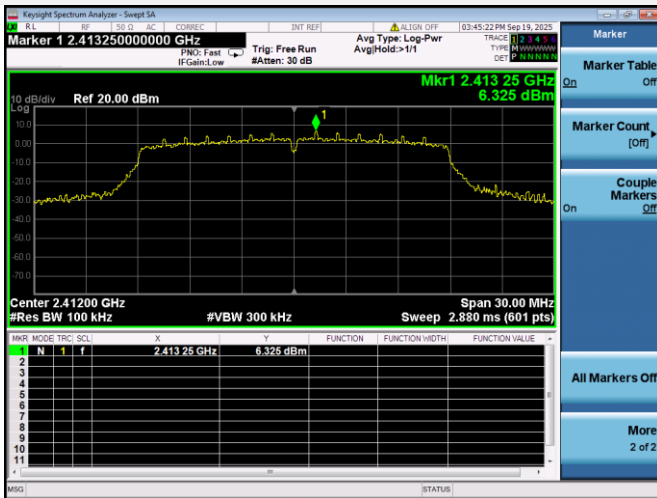
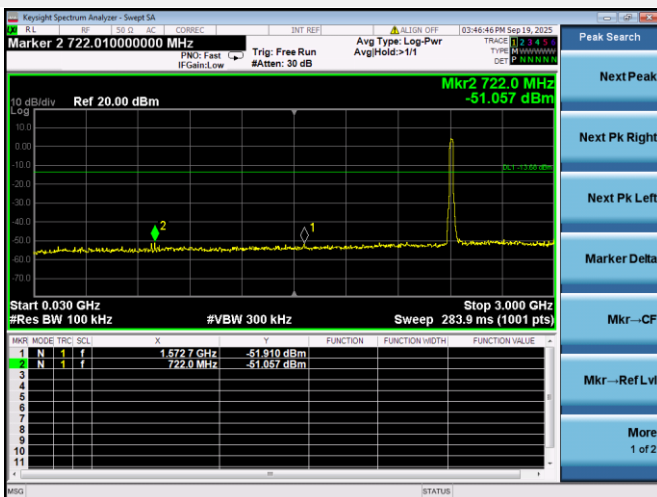
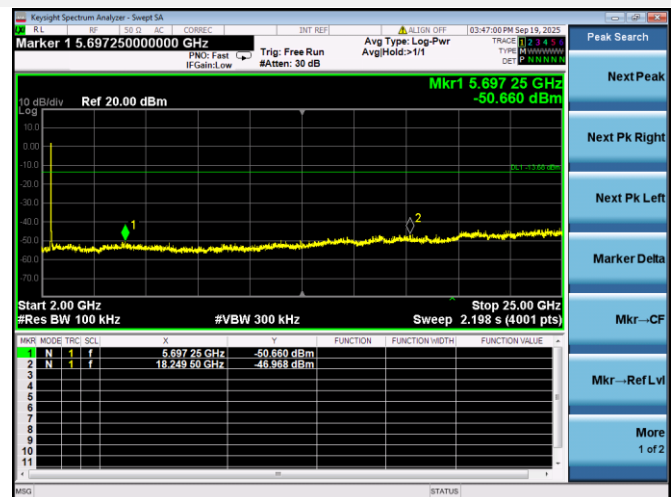
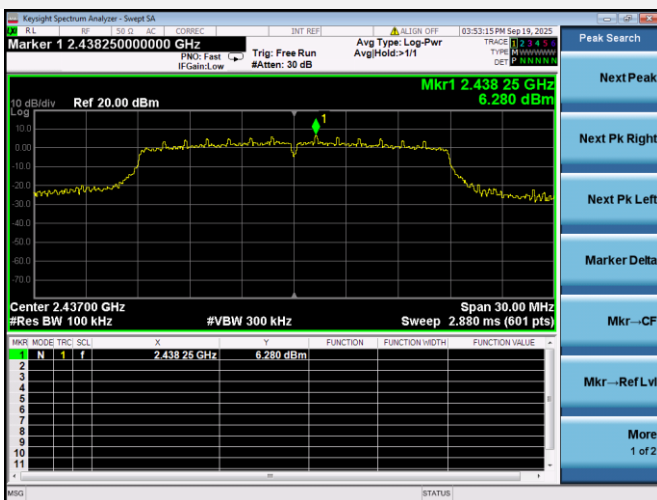


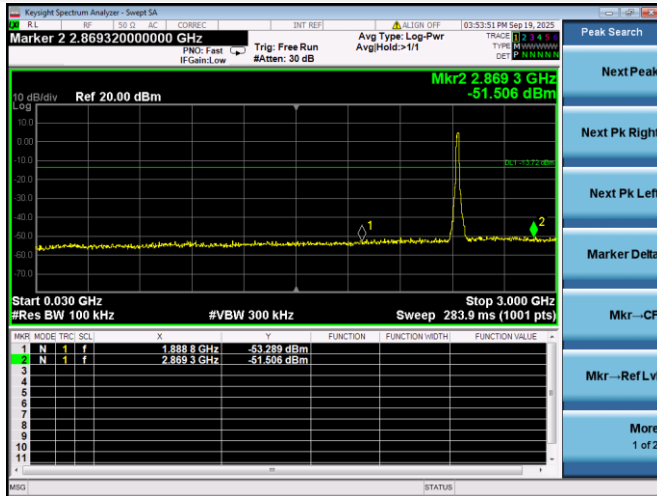
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

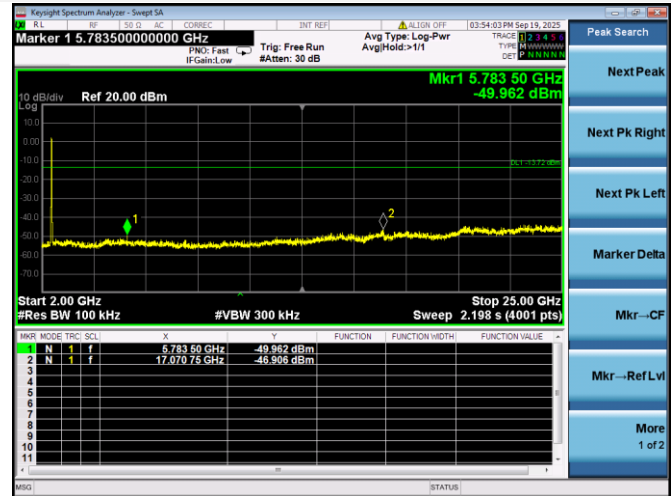
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



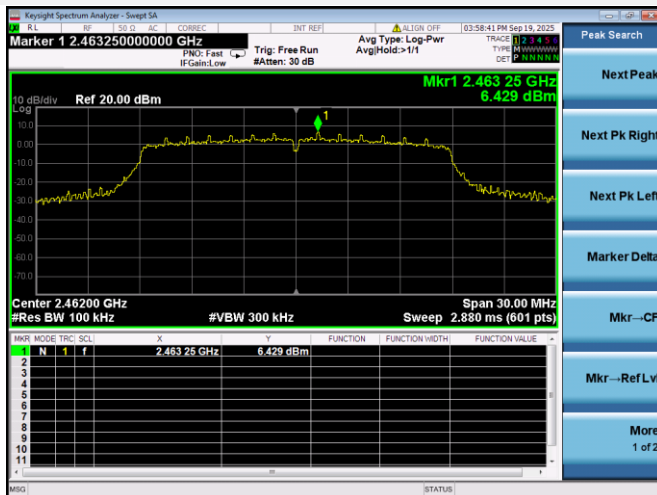
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



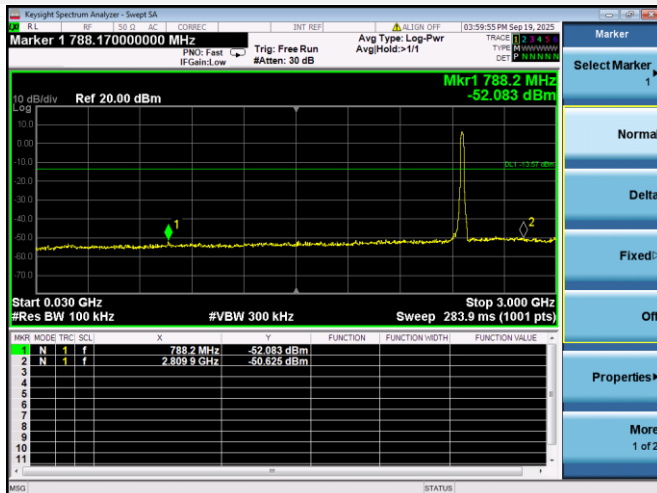
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



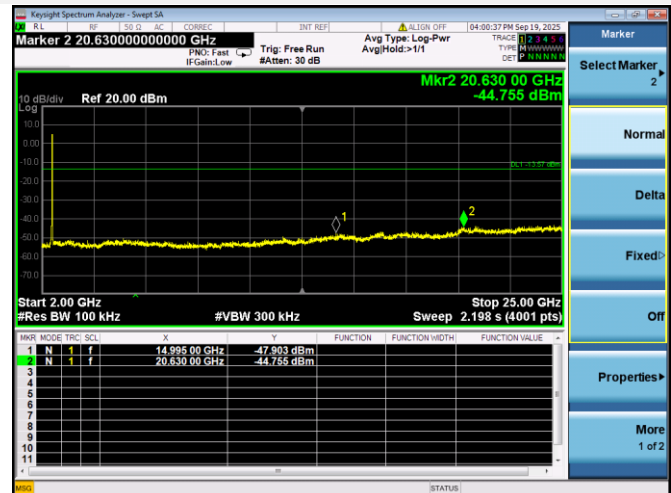
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



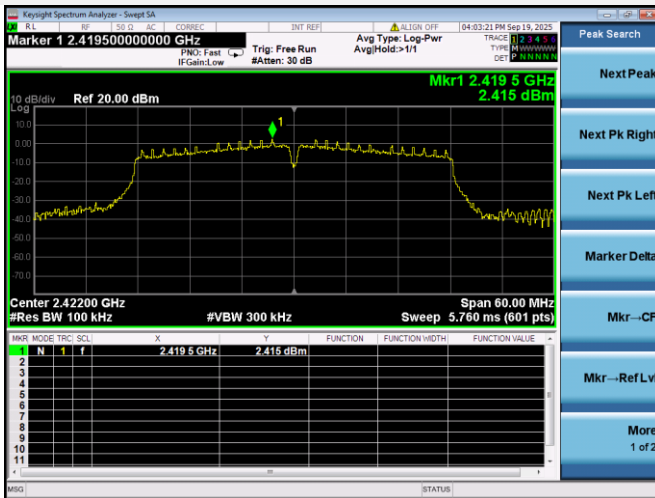
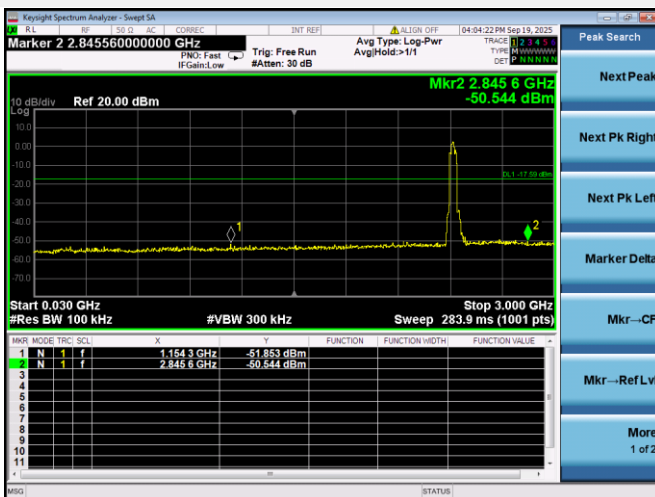
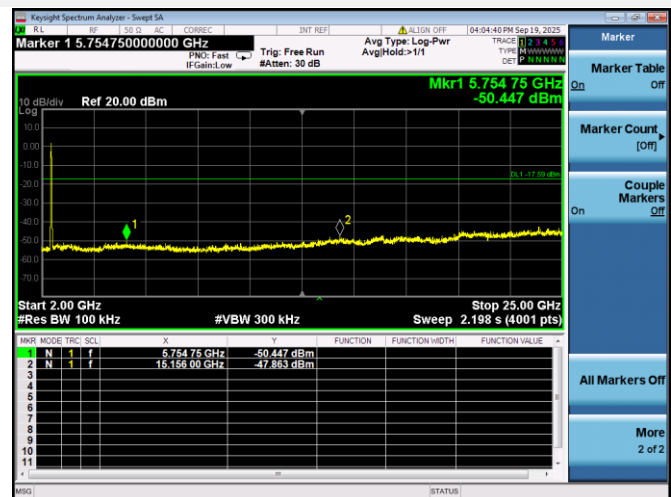
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



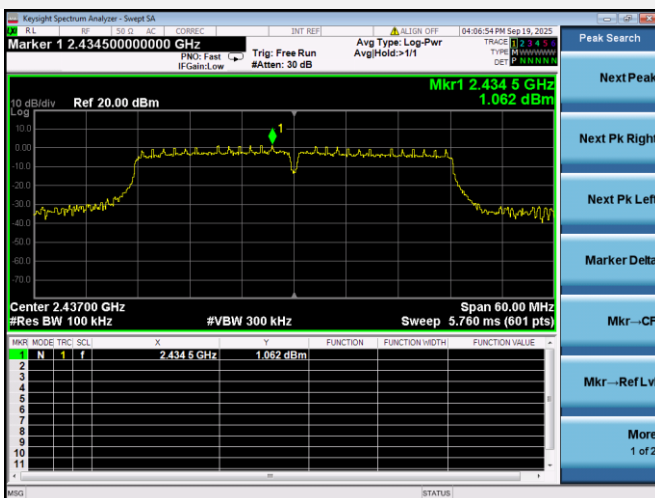
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



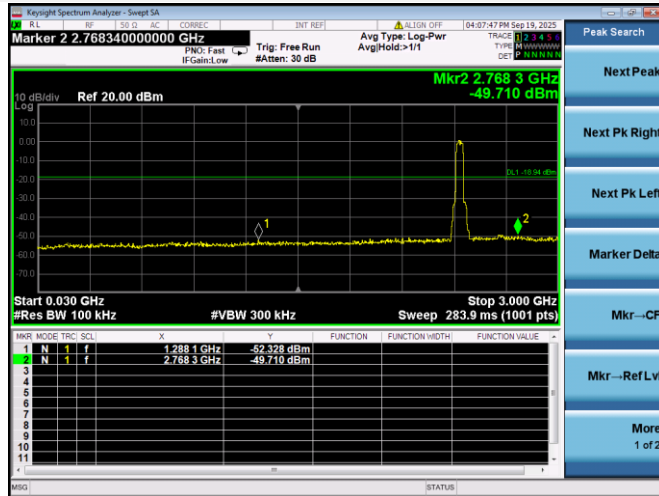
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

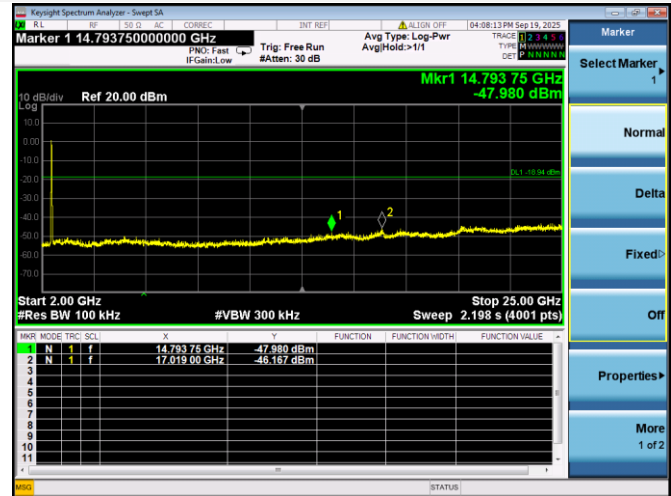
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



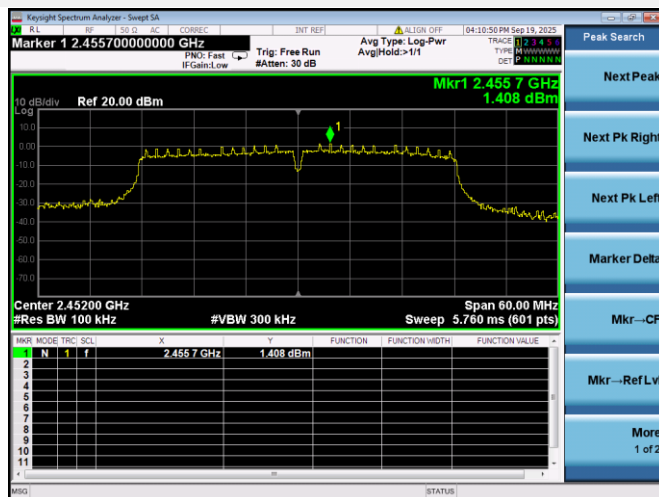
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



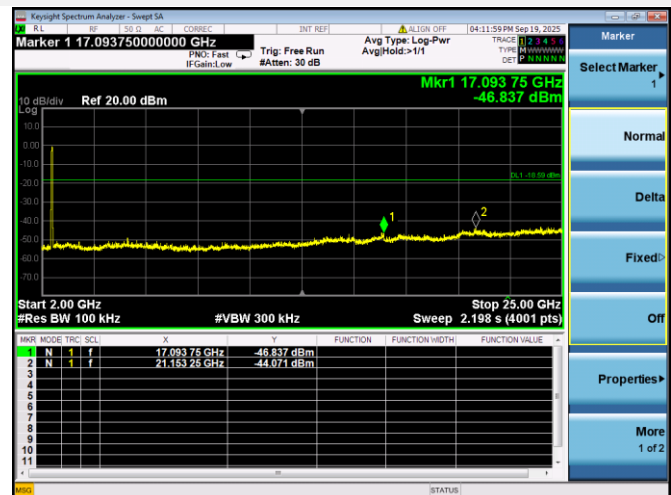
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



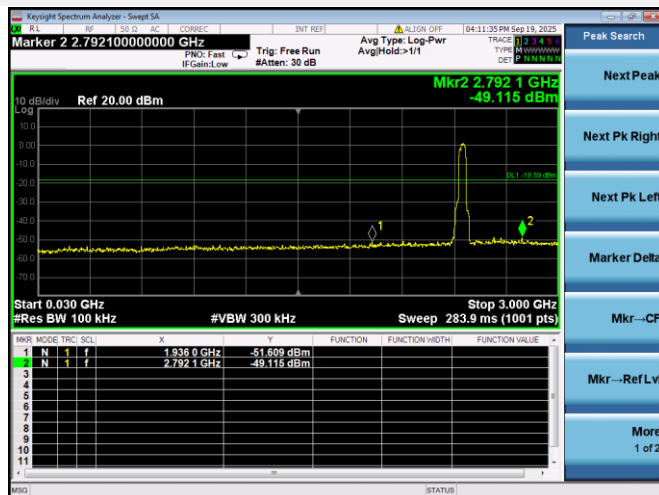
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



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



802.11n-40 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 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	-35.35	10.19	-9.81	Pass
High Channel	-49.10	10.18	-9.82	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-32.34	7.37	-12.63	Pass
High Channel	-37.61	7.47	-12.54	Pass

802.11n-20 MHz Mode:

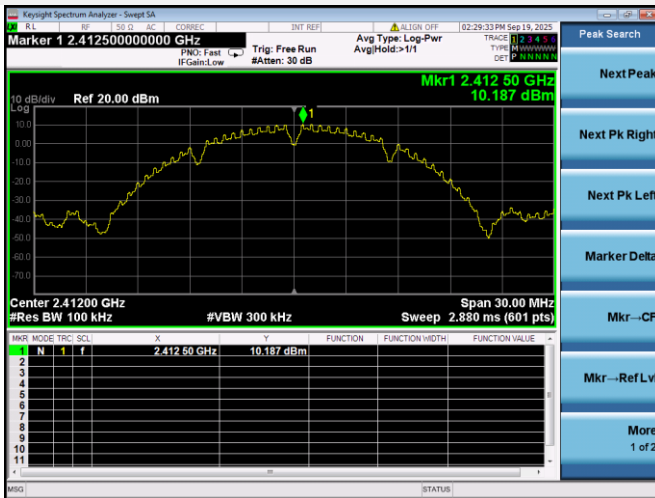
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-27.46	6.33	-13.68	Pass
High Channel	-35.39	6.43	-13.57	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-33.37	2.42	-17.59	Pass
High Channel	-36.12	1.41	-18.59	Pass

Test Plots

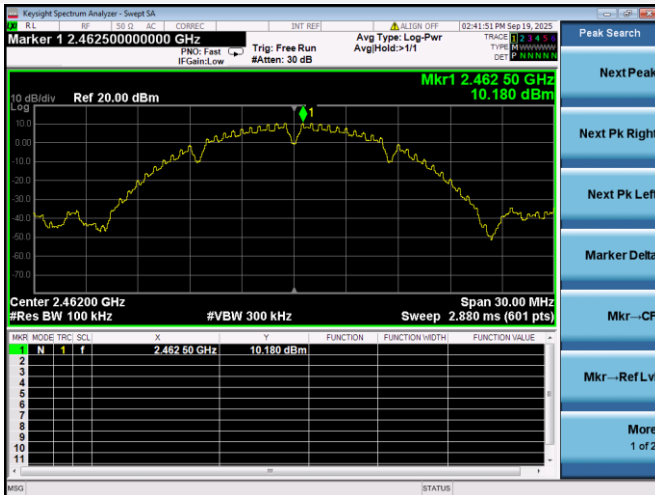
802.11b LOW CHANNEL, CARRIER LEVEL



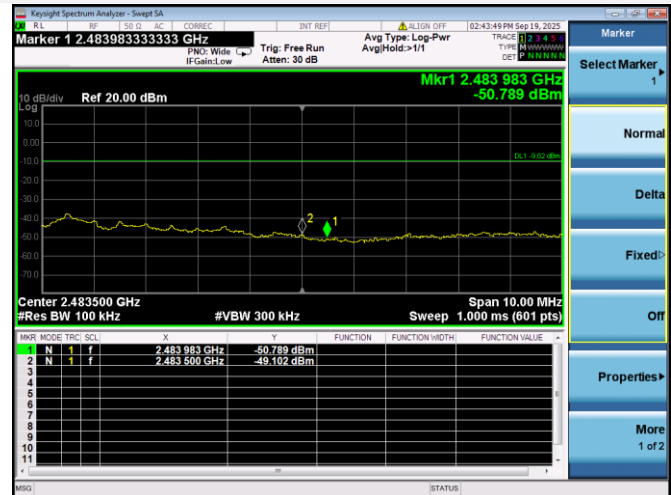
802.11b LOW CHANNEL, BAND EDGE



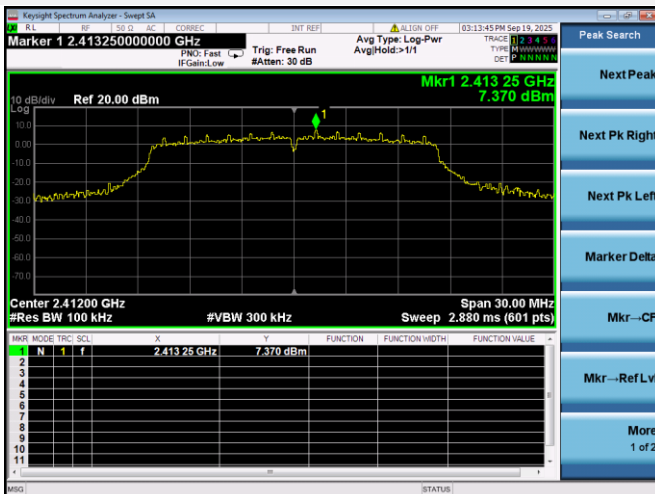
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



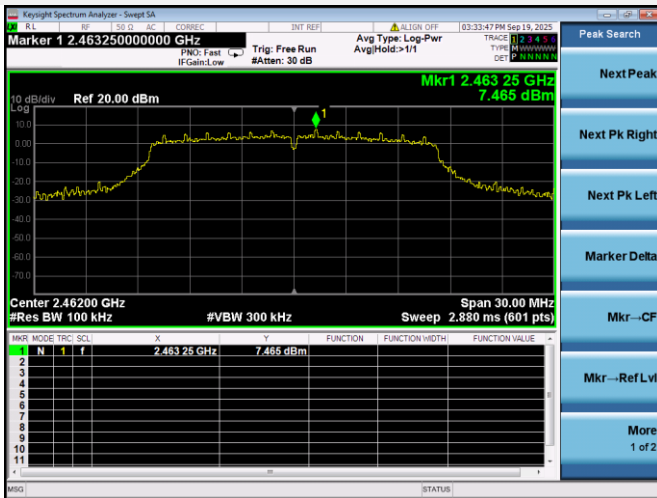
802.11g LOW CHANNEL, CARRIER LEVEL



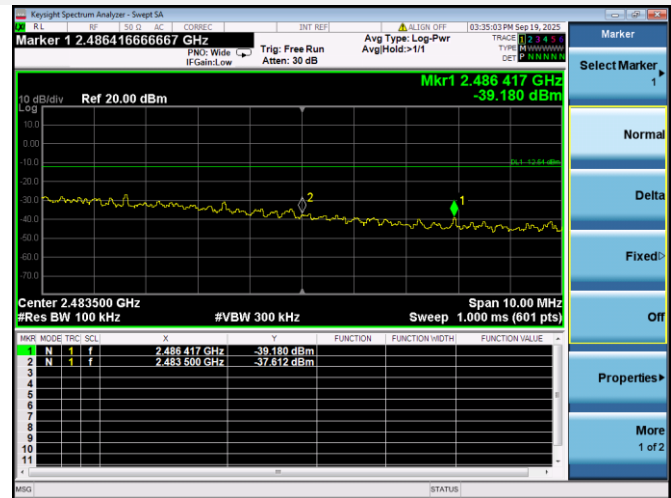
802.11g LOW CHANNEL, BAND EDGE



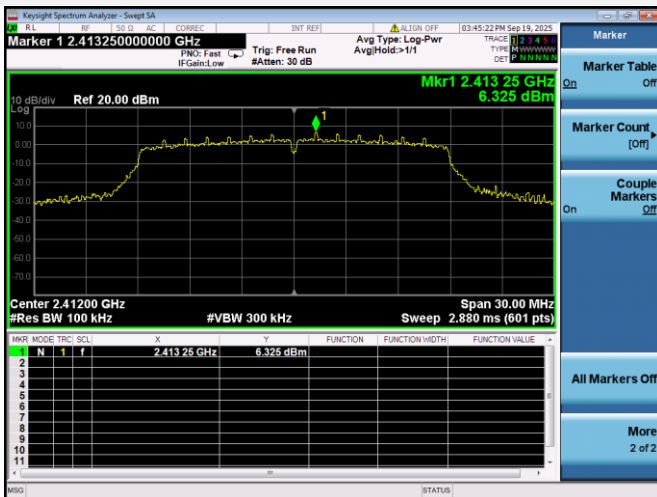
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



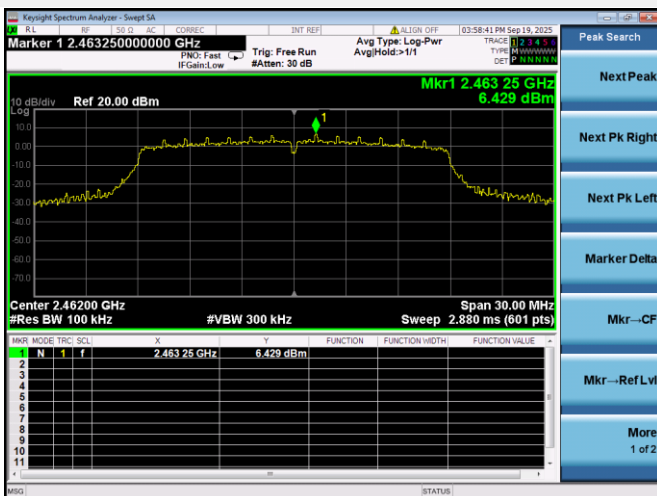
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



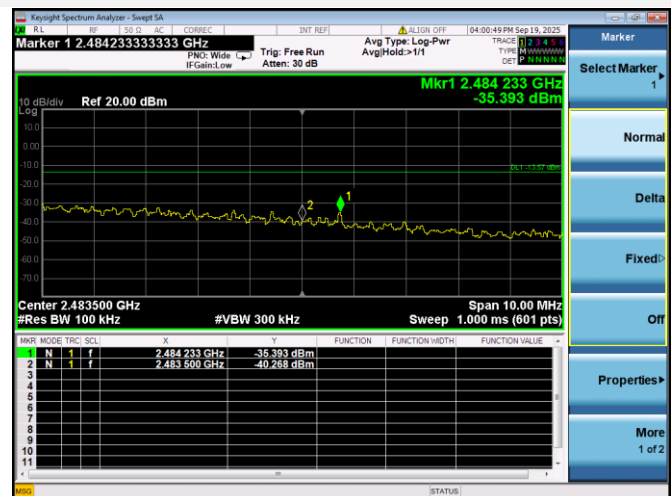
802.11n-20 MHz LOW CHANNEL, BAND EDGE



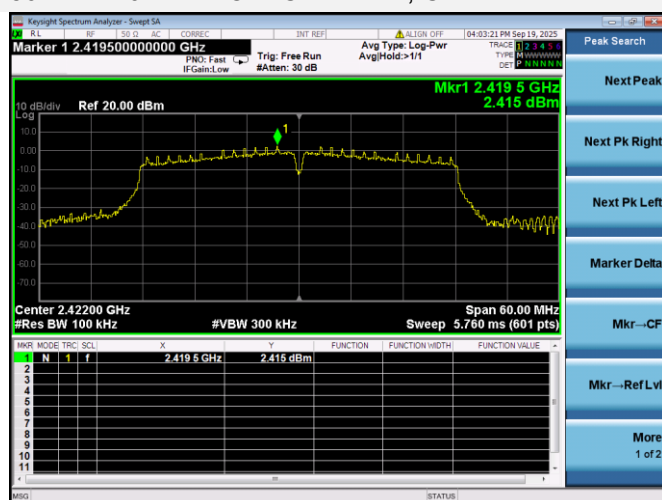
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



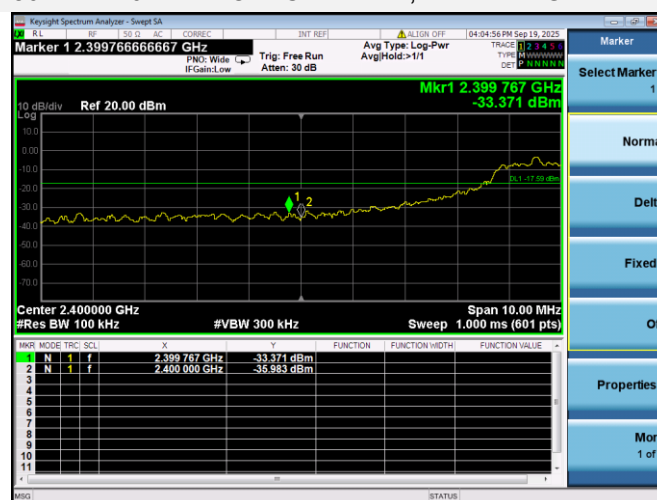
802.11n-20 MHz HIGH CHANNEL, BAND EDGE



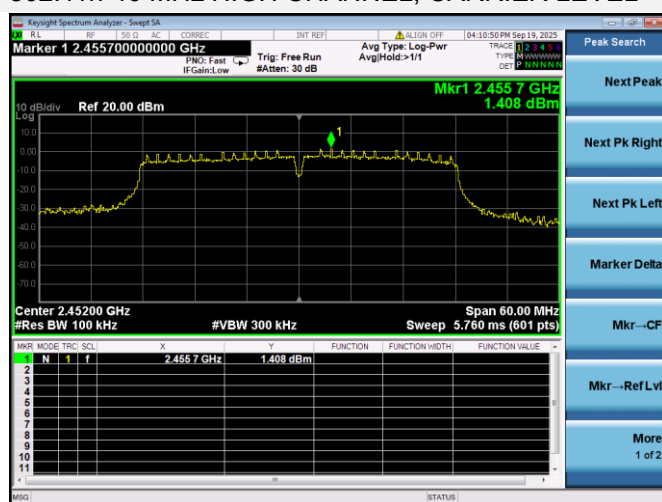
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



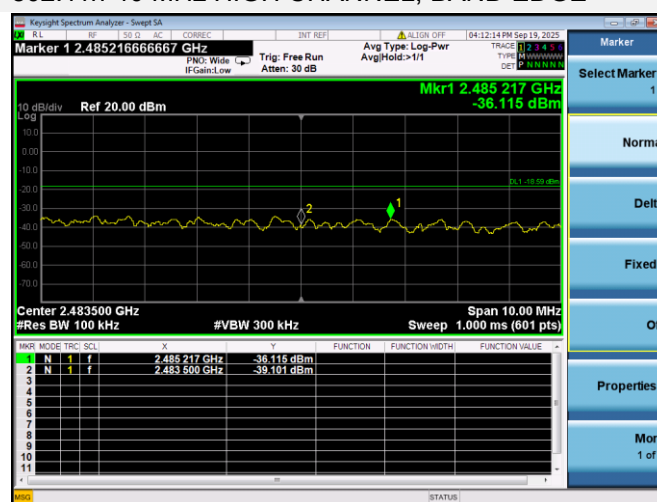
802.11n-40 MHz LOW CHANNEL, BAND EDGE



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.

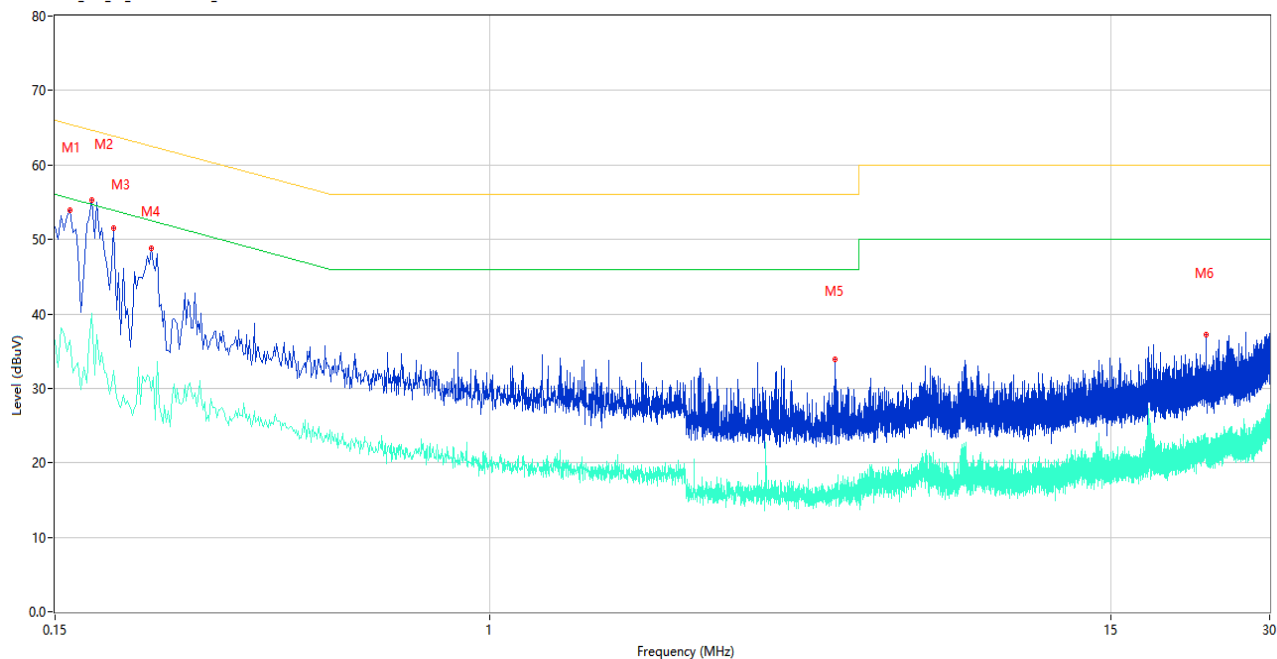
Note ²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

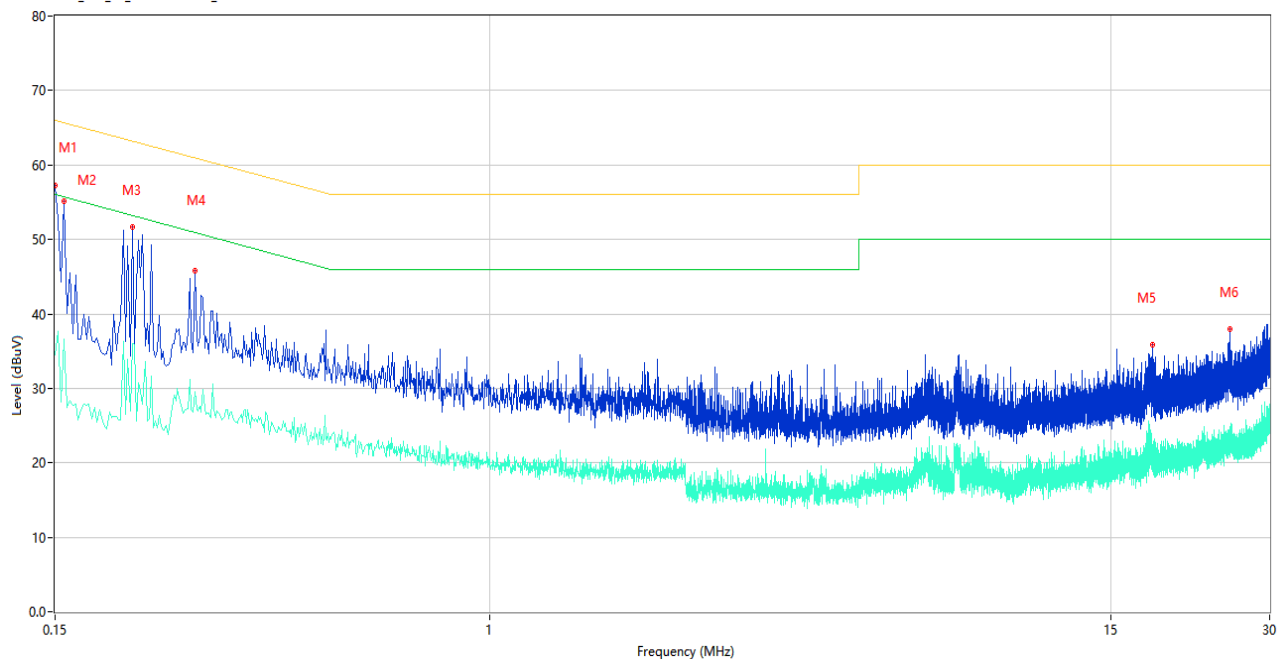
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.160	53.95	10.30	65.46	11.51	Peak	L	Pass
1**	0.160	36.48	10.30	55.46	18.98	AV	L	Pass
2	0.176	55.25	10.29	64.67	9.42	Peak	L	Pass
2**	0.176	40.12	10.29	54.67	14.55	AV	L	Pass
3	0.194	51.45	10.27	63.86	12.41	Peak	L	Pass
3**	0.194	32.45	10.27	53.86	21.41	AV	L	Pass
4	0.228	48.77	10.26	62.52	13.75	Peak	L	Pass
4**	0.228	29.72	10.26	52.52	22.80	AV	L	Pass
5	4.514	33.96	10.78	56.00	22.04	Peak	L	Pass
5**	4.514	17.10	10.78	46.00	28.90	AV	L	Pass
6	22.696	37.18	14.97	60.00	22.82	Peak	L	Pass
6**	22.696	23.39	14.97	50.00	26.61	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.150	57.29	10.21	66.00	8.71	Peak	N	Pass
1**	0.150	34.51	10.21	56.00	21.49	AV	N	Pass
2	0.156	55.13	10.21	65.67	10.54	Peak	N	Pass
2**	0.156	36.67	10.21	55.67	19.00	AV	N	Pass
3	0.210	51.61	10.19	63.21	11.60	Peak	N	Pass
3**	0.210	36.06	10.19	53.21	17.15	AV	N	Pass
4	0.276	45.82	10.18	60.94	15.12	Peak	N	Pass
4**	0.276	29.51	10.18	50.94	21.43	AV	N	Pass
5	18.016	35.88	13.91	60.00	24.12	Peak	N	Pass
5**	18.016	21.55	13.91	50.00	28.45	AV	N	Pass
6	25.202	37.99	15.51	60.00	22.01	Peak	N	Pass
6**	25.202	21.96	15.51	50.00	28.04	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.

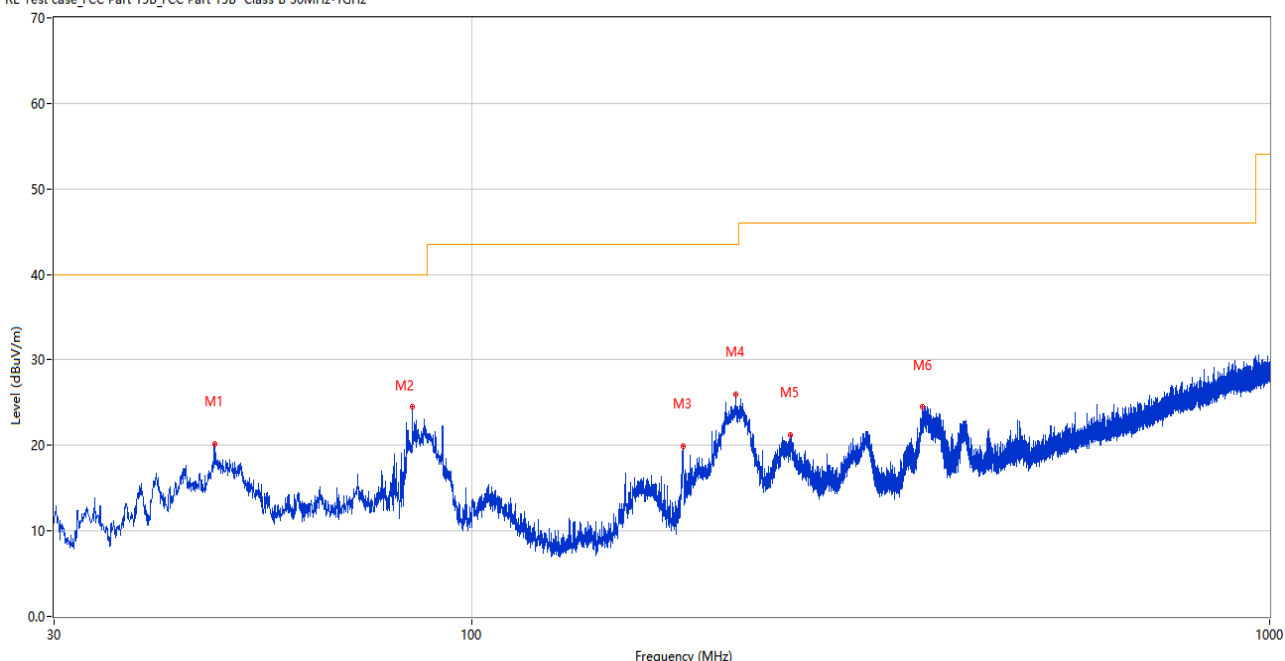
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

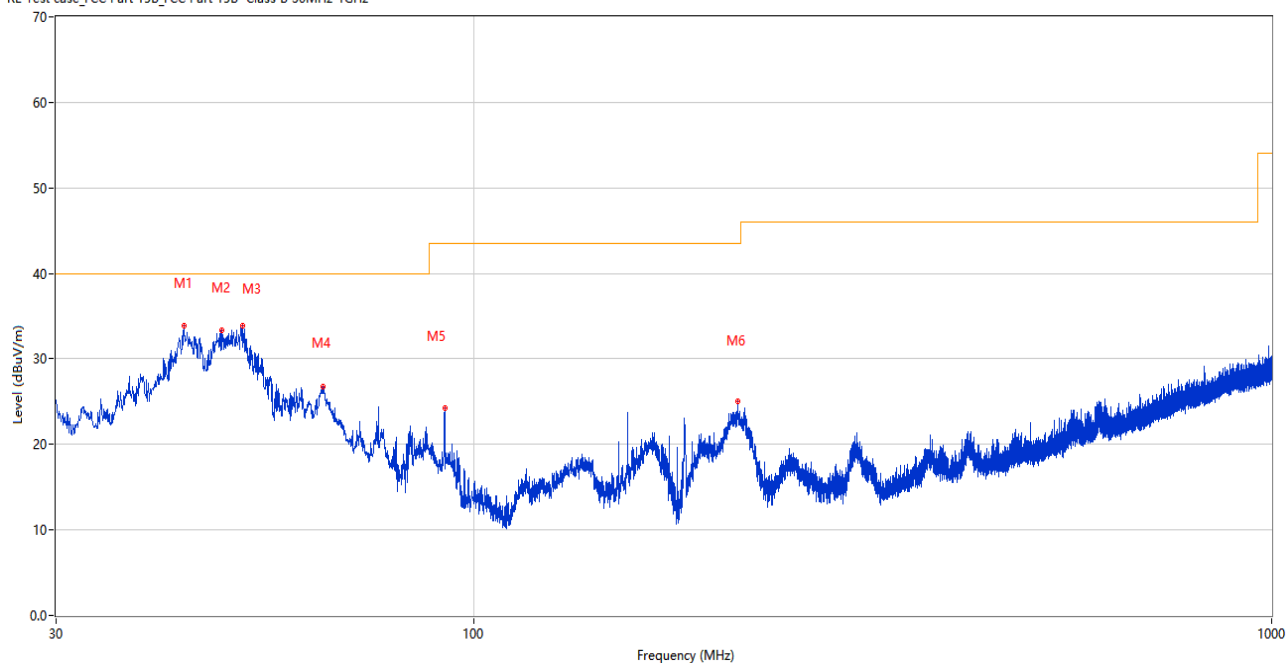
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	47.654	20.19	-25.08	40.0	19.81	Peak	155.00	200	Horizontal	Pass
2	84.368	24.52	-30.21	40.0	15.48	Peak	321.00	200	Horizontal	Pass
3	184.327	19.93	-27.78	43.5	23.57	Peak	241.00	200	Horizontal	Pass
4	214.397	25.92	-26.47	43.5	17.58	Peak	232.00	100	Horizontal	Pass
5	250.917	21.27	-24.99	46.0	24.73	Peak	211.00	100	Horizontal	Pass
6	367.560	24.58	-21.88	46.0	21.42	Peak	223.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	43.386	33.91	-25.28	40.0	6.09	Peak	47.00	100	Vertical	Pass
2	48.382	33.35	-25.30	40.0	6.65	Peak	45.00	100	Vertical	Pass
3	51.389	33.87	-24.09	40.0	6.13	Peak	188.00	100	Vertical	Pass
4	64.726	26.75	-26.59	40.0	13.25	Peak	16.00	100	Vertical	Pass
5	92.032	24.23	-28.05	43.5	19.27	Peak	243.00	100	Vertical	Pass
6	214.397	25.00	-26.47	43.5	18.50	Peak	303.00	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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1585.200	42.33	-17.50	74.0	31.67	Peak	360.00	200	Horizontal	Pass
1**	1585.200	32.85	-17.50	54.0	21.15	AV	360.00	200	Horizontal	Pass
2	2413.200	101.37	-12.85	74.0	-27.37	Peak	256.00	100	Horizontal	N/A
2**	2413.200	98.59	-12.85	54.0	-44.59	AV	256.00	100	Horizontal	N/A
3	2991.100	50.69	-9.98	74.0	23.31	Peak	181.00	200	Horizontal	Pass
3**	2991.100	42.09	-9.98	54.0	11.91	AV	181.00	200	Horizontal	Pass
4	4873.800	49.90	-3.48	74.0	24.10	Peak	0.00	400	Horizontal	Pass
4**	4873.800	40.60	-3.48	54.0	13.40	AV	0.00	400	Horizontal	Pass
5	6660.800	53.04	-1.05	74.0	20.96	Peak	104.00	100	Horizontal	Pass
5**	6660.800	43.14	-1.05	54.0	10.86	AV	104.00	100	Horizontal	Pass
6	16049.887	54.56	6.09	74.0	19.44	Peak	303.00	200	Horizontal	Pass
6**	16049.887	44.90	6.09	54.0	9.10	AV	303.00	200	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	1691.800	41.91	-17.45	74.0	32.09	Peak	1.00	200	Vertical	Pass
1**	1691.800	32.66	-17.45	54.0	21.34	AV	1.00	200	Vertical	Pass
2	2413.300	100.93	-12.84	74.0	-26.93	Peak	233.00	100	Vertical	N/A
2**	2413.300	98.02	-12.84	54.0	-44.02	AV	233.00	100	Vertical	N/A
3	2950.400	50.84	-10.14	74.0	23.16	Peak	254.00	200	Vertical	Pass
3**	2950.400	41.63	-10.14	54.0	12.37	AV	254.00	200	Vertical	Pass
4	4824.000	52.89	-3.44	74.0	21.11	Peak	215.00	400	Vertical	Pass
4**	4824.000	48.76	-3.44	54.0	5.24	AV	215.00	400	Vertical	Pass
5	6887.000	53.12	-0.72	74.0	20.88	Peak	238.00	200	Vertical	Pass
5**	6887.000	43.17	-0.72	54.0	10.83	AV	238.00	200	Vertical	Pass
6	14768.888	54.69	4.95	74.0	19.31	Peak	197.00	100	Vertical	Pass
6**	14768.888	44.75	4.95	54.0	9.25	AV	197.00	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	1656.900	41.79	-17.28	74.0	32.21	Peak	130.00	300	Horizontal	Pass
1**	1656.900	32.55	-17.28	54.0	21.45	AV	130.00	300	Horizontal	Pass
2	2435.700	98.88	-11.86	74.0	-24.88	Peak	266.00	200	Horizontal	N/A
2**	2435.700	96.05	-11.86	54.0	-42.05	AV	266.00	200	Horizontal	N/A
3	2960.600	50.71	-10.14	74.0	23.29	Peak	117.00	200	Horizontal	Pass
3**	2960.600	41.50	-10.14	54.0	12.50	AV	117.00	200	Horizontal	Pass
4	4830.200	50.07	-3.45	74.0	23.93	Peak	202.00	400	Horizontal	Pass
4**	4830.200	41.19	-3.45	54.0	12.81	AV	202.00	400	Horizontal	Pass
5	6909.600	53.08	-0.48	74.0	20.92	Peak	290.00	200	Horizontal	Pass
5**	6909.600	44.43	-0.48	54.0	9.57	AV	290.00	200	Horizontal	Pass
6	14757.862	53.97	4.66	74.0	20.03	Peak	43.00	100	Horizontal	Pass
6**	14757.862	45.88	4.66	54.0	8.12	AV	43.00	100	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	1266.400	42.27	-17.44	74.0	31.73	Peak	354.00	400	Vertical	Pass
1**	1266.400	31.94	-17.44	54.0	22.06	AV	354.00	400	Vertical	Pass
2	2435.700	99.44	-11.86	74.0	-25.44	Peak	240.00	150	Vertical	N/A
2**	2435.700	96.48	-11.86	54.0	-42.48	AV	240.00	150	Vertical	N/A
3	2991.000	50.84	-9.99	74.0	23.16	Peak	0.00	100	Vertical	Pass
3**	2991.000	41.34	-9.99	54.0	12.66	AV	0.00	100	Vertical	Pass
4	4874.200	51.86	-3.52	74.0	22.14	Peak	203.00	200	Vertical	Pass
4**	4874.200	47.43	-3.52	54.0	6.57	AV	203.00	200	Vertical	Pass
5	6976.200	53.40	-0.32	74.0	20.60	Peak	114.00	100	Vertical	Pass
5**	6976.200	43.53	-0.32	54.0	10.47	AV	114.00	100	Vertical	Pass
6	14763.638	54.23	4.87	74.0	19.77	Peak	73.00	300	Vertical	Pass
6**	14763.638	45.33	4.87	54.0	8.67	AV	73.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1676.500	42.17	-17.49	74.0	31.83	Peak	179.00	300	Horizontal	Pass
1**	1676.500	32.59	-17.49	54.0	21.41	AV	179.00	300	Horizontal	Pass
2	2463.600	99.69	-12.77	74.0	-25.69	Peak	268.00	150	Horizontal	N/A
2**	2463.600	96.87	-12.77	54.0	-42.87	AV	268.00	150	Horizontal	N/A
3	2960.100	50.52	-10.11	74.0	23.48	Peak	214.00	150	Horizontal	Pass
3**	2960.100	41.74	-10.11	54.0	12.26	AV	214.00	150	Horizontal	Pass
4	4894.800	49.52	-3.55	74.0	24.48	Peak	288.00	100	Horizontal	Pass
4**	4894.800	40.65	-3.55	54.0	13.35	AV	288.00	100	Horizontal	Pass
5	6976.800	52.99	-0.32	74.0	21.01	Peak	295.00	200	Horizontal	Pass
5**	6976.800	44.08	-0.32	54.0	9.92	AV	295.00	200	Horizontal	Pass
6	15617.025	54.26	4.62	74.0	19.74	Peak	360.00	200	Horizontal	Pass
6**	15617.025	44.21	4.62	54.0	9.79	AV	360.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1539.600	42.15	-17.73	74.0	31.85	Peak	192.00	400	Vertical	Pass
1**	1539.600	32.37	-17.73	54.0	21.63	AV	192.00	400	Vertical	Pass
2	2463.400	99.74	-12.77	74.0	-25.74	Peak	246.00	200	Vertical	N/A
2**	2463.400	96.81	-12.77	54.0	-42.81	AV	246.00	200	Vertical	N/A
3	2986.700	50.83	-10.03	74.0	23.17	Peak	179.00	150	Vertical	Pass
3**	2986.700	42.96	-10.03	54.0	11.04	AV	179.00	150	Vertical	Pass
4	4924.200	50.14	-3.61	74.0	23.86	Peak	210.00	100	Vertical	Pass
4**	4924.200	44.19	-3.61	54.0	9.81	AV	210.00	100	Vertical	Pass
5	6736.000	53.43	-1.05	74.0	20.57	Peak	138.00	100	Vertical	Pass
5**	6736.000	42.87	-1.05	54.0	11.13	AV	138.00	100	Vertical	Pass
6	15922.050	53.59	5.12	74.0	20.41	Peak	223.00	300	Vertical	Pass
6**	15922.050	45.11	5.12	54.0	8.89	AV	223.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1339.200	42.19	-17.46	74.0	31.81	Peak	138.00	300	Horizontal	Pass
1**	1339.200	32.67	-17.46	54.0	21.33	AV	138.00	300	Horizontal	Pass
2	2413.500	102.23	-12.84	74.0	-28.23	Peak	272.00	200	Horizontal	N/A
2**	2413.500	94.63	-12.84	54.0	-40.63	AV	272.00	200	Horizontal	N/A
3	2962.000	50.75	-10.25	74.0	23.25	Peak	18.00	100	Horizontal	Pass
3**	2962.000	41.54	-10.25	54.0	12.46	AV	18.00	100	Horizontal	Pass
4	4833.200	50.18	-3.38	74.0	23.82	Peak	34.00	400	Horizontal	Pass
4**	4833.200	41.04	-3.38	54.0	12.96	AV	34.00	400	Horizontal	Pass
5	6995.400	53.14	-0.44	74.0	20.86	Peak	168.00	200	Horizontal	Pass
5**	6995.400	43.91	-0.44	54.0	10.09	AV	168.00	200	Horizontal	Pass
6	16247.812	53.98	5.51	74.0	20.02	Peak	225.00	400	Horizontal	Pass
6**	16247.812	45.08	5.51	54.0	8.92	AV	225.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1396.400	42.22	-17.32	74.0	31.78	Peak	64.00	100	Vertical	Pass
1**	1396.400	32.01	-17.32	54.0	21.99	AV	64.00	100	Vertical	Pass
2	2413.300	102.52	-12.84	74.0	-28.52	Peak	253.00	200	Vertical	N/A
2**	2413.300	95.37	-12.84	54.0	-41.37	AV	253.00	200	Vertical	N/A
3	2972.600	50.87	-10.25	74.0	23.13	Peak	51.00	200	Vertical	Pass
3**	2972.600	41.92	-10.25	54.0	12.08	AV	51.00	200	Vertical	Pass
4	4968.600	50.68	-3.58	74.0	23.32	Peak	171.00	100	Vertical	Pass
4**	4968.600	41.30	-3.58	54.0	12.70	AV	171.00	100	Vertical	Pass
5	6926.200	53.18	-0.47	74.0	20.82	Peak	360.00	300	Vertical	Pass
5**	6926.200	43.80	-0.47	54.0	10.20	AV	360.00	300	Vertical	Pass
6	16238.099	54.08	5.29	74.0	19.92	Peak	302.00	300	Vertical	Pass
6**	16238.099	44.42	5.29	54.0	9.58	AV	302.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1673.600	42.18	-17.25	74.0	31.82	Peak	44.00	300	Horizontal	Pass
1**	1673.600	32.52	-17.25	54.0	21.48	AV	44.00	300	Horizontal	Pass
2	2429.600	101.87	-12.00	74.0	-27.87	Peak	264.00	200	Horizontal	N/A
2**	2429.600	94.19	-12.00	54.0	-40.19	AV	264.00	200	Horizontal	N/A
3	2943.400	51.04	-10.36	74.0	22.96	Peak	298.00	200	Horizontal	Pass
3**	2943.400	41.83	-10.36	54.0	12.17	AV	298.00	200	Horizontal	Pass
4	5056.600	50.90	-2.95	74.0	23.10	Peak	6.00	150	Horizontal	Pass
4**	5056.600	41.48	-2.95	54.0	12.52	AV	6.00	150	Horizontal	Pass
5	6813.200	52.85	-0.89	74.0	21.15	Peak	24.00	400	Horizontal	Pass
5**	6813.200	44.19	-0.89	54.0	9.81	AV	24.00	400	Horizontal	Pass
6	15667.425	53.87	4.94	74.0	20.13	Peak	136.00	100	Horizontal	Pass
6**	15667.425	44.46	4.94	54.0	9.54	AV	136.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1387.500	42.63	-17.32	74.0	31.37	Peak	138.00	200	Vertical	Pass
1**	1387.500	32.01	-17.32	54.0	21.99	AV	138.00	200	Vertical	Pass
2	2429.900	100.92	-12.00	74.0	-26.92	Peak	246.00	100	Vertical	N/A
2**	2429.900	93.77	-12.00	54.0	-39.77	AV	246.00	100	Vertical	N/A
3	2900.900	50.86	-9.90	74.0	23.14	Peak	279.00	200	Vertical	Pass
3**	2900.900	40.99	-9.90	54.0	13.01	AV	279.00	200	Vertical	Pass
4	4965.600	50.21	-3.57	74.0	23.79	Peak	359.00	150	Vertical	Pass
4**	4965.600	40.49	-3.57	54.0	13.51	AV	359.00	150	Vertical	Pass
5	6843.400	53.21	-0.91	74.0	20.79	Peak	313.00	400	Vertical	Pass
5**	6843.400	43.42	-0.91	54.0	10.58	AV	313.00	400	Vertical	Pass
6	16101.075	54.65	5.62	74.0	19.35	Peak	0.00	200	Vertical	Pass
6**	16101.075	45.18	5.62	54.0	8.82	AV	0.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1348.500	41.94	-17.39	74.0	32.06	Peak	0.00	200	Horizontal	Pass
1**	1348.500	32.43	-17.39	54.0	21.57	AV	0.00	200	Horizontal	Pass
2	2466.400	100.79	-12.79	74.0	-26.79	Peak	267.00	200	Horizontal	N/A
2**	2466.400	94.32	-12.79	54.0	-40.32	AV	267.00	200	Horizontal	N/A
3	2973.900	50.74	-10.20	74.0	23.26	Peak	104.00	100	Horizontal	Pass
3**	2973.900	41.52	-10.20	54.0	12.48	AV	104.00	100	Horizontal	Pass
4	4967.000	49.91	-3.55	74.0	24.09	Peak	360.00	400	Horizontal	Pass
4**	4967.000	40.45	-3.55	54.0	13.55	AV	360.00	400	Horizontal	Pass
5	6991.600	52.98	-0.33	74.0	21.02	Peak	112.00	100	Horizontal	Pass
5**	6991.600	44.06	-0.33	54.0	9.94	AV	112.00	100	Horizontal	Pass
6	14824.013	54.06	4.97	74.0	19.94	Peak	315.00	100	Horizontal	Pass
6**	14824.013	45.66	4.97	54.0	8.34	AV	315.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.100	43.13	-17.44	74.0	30.87	Peak	106.00	400	Vertical	Pass
1**	1691.100	32.64	-17.44	54.0	21.36	AV	106.00	400	Vertical	Pass
2	2465.100	100.99	-12.73	74.0	-26.99	Peak	254.00	150	Vertical	N/A
2**	2465.100	93.27	-12.73	54.0	-39.27	AV	254.00	150	Vertical	N/A
3	2990.400	51.12	-10.01	74.0	22.88	Peak	16.00	200	Vertical	Pass
3**	2990.400	41.17	-10.01	54.0	12.83	AV	16.00	200	Vertical	Pass
4	4851.800	50.08	-3.33	74.0	23.92	Peak	40.00	300	Vertical	Pass
4**	4851.800	40.58	-3.33	54.0	13.42	AV	40.00	300	Vertical	Pass
5	6988.800	53.31	-0.41	74.0	20.69	Peak	104.00	400	Vertical	Pass
5**	6988.800	43.24	-0.41	54.0	10.76	AV	104.00	400	Vertical	Pass
6	16450.200	53.90	4.59	74.0	20.10	Peak	284.00	200	Vertical	Pass
6**	16450.200	43.27	4.59	54.0	10.73	AV	284.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1668.300	42.35	-17.16	74.0	31.65	Peak	1.00	300	Horizontal	Pass
1**	1668.300	32.85	-17.16	54.0	21.15	AV	1.00	300	Horizontal	Pass
2	2413.200	100.99	-12.85	74.0	-26.99	Peak	268.00	100	Horizontal	N/A
2**	2413.200	94.49	-12.85	54.0	-40.49	AV	268.00	100	Horizontal	N/A
3	2956.300	50.82	-10.07	74.0	23.18	Peak	214.00	150	Horizontal	Pass
3**	2956.300	41.50	-10.07	54.0	12.50	AV	214.00	150	Horizontal	Pass
4	4846.800	49.73	-3.41	74.0	24.27	Peak	42.00	300	Horizontal	Pass
4**	4846.800	40.58	-3.41	54.0	13.42	AV	42.00	300	Horizontal	Pass
5	6455.600	53.05	-1.60	74.0	20.95	Peak	106.00	300	Horizontal	Pass
5**	6455.600	42.96	-1.60	54.0	11.04	AV	106.00	300	Horizontal	Pass
6	14759.963	54.15	4.75	74.0	19.85	Peak	178.00	200	Horizontal	Pass
6**	14759.963	44.94	4.75	54.0	9.06	AV	178.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1670.300	42.71	-17.27	74.0	31.29	Peak	143.00	100	Vertical	Pass
1**	1670.300	33.02	-17.27	54.0	20.98	AV	143.00	100	Vertical	Pass
2	2412.500	100.92	-12.87	74.0	-26.92	Peak	246.00	200	Vertical	N/A
2**	2412.500	93.09	-12.87	54.0	-39.09	AV	246.00	200	Vertical	N/A
3	2958.300	50.70	-10.07	74.0	23.30	Peak	198.00	100	Vertical	Pass
3**	2958.300	41.62	-10.07	54.0	12.38	AV	198.00	100	Vertical	Pass
4	4828.000	50.14	-3.38	74.0	23.86	Peak	94.00	150	Vertical	Pass
4**	4828.000	40.95	-3.38	54.0	13.05	AV	94.00	150	Vertical	Pass
5	6951.600	53.62	-0.50	74.0	20.38	Peak	38.00	200	Vertical	Pass
5**	6951.600	43.79	-0.50	54.0	10.21	AV	38.00	200	Vertical	Pass
6	16008.412	53.85	5.06	74.0	20.15	Peak	164.00	100	Vertical	Pass
6**	16008.412	44.78	5.06	54.0	9.22	AV	164.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1294.800	42.07	-17.36	74.0	31.93	Peak	179.00	100	Horizontal	Pass
1**	1294.800	31.63	-17.36	54.0	22.37	AV	179.00	100	Horizontal	Pass
2	2431.300	100.65	-12.01	74.0	-26.65	Peak	259.00	100	Horizontal	N/A
2**	2431.300	92.82	-12.01	54.0	-38.82	AV	259.00	100	Horizontal	N/A
3	2958.200	50.55	-10.07	74.0	23.45	Peak	98.00	100	Horizontal	Pass
3**	2958.200	41.68	-10.07	54.0	12.32	AV	98.00	100	Horizontal	Pass
4	4950.400	49.72	-3.77	74.0	24.28	Peak	208.00	400	Horizontal	Pass
4**	4950.400	40.43	-3.77	54.0	13.57	AV	208.00	400	Horizontal	Pass
5	6828.000	53.26	-1.02	74.0	20.74	Peak	321.00	300	Horizontal	Pass
5**	6828.000	43.57	-1.02	54.0	10.43	AV	321.00	300	Horizontal	Pass
6	14722.162	53.92	4.50	74.0	20.08	Peak	302.00	300	Horizontal	Pass
6**	14722.162	44.10	4.50	54.0	9.90	AV	302.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1614.300	42.48	-17.40	74.0	31.52	Peak	199.00	400	Vertical	Pass
1**	1614.300	32.72	-17.40	54.0	21.28	AV	199.00	400	Vertical	Pass
2	2428.800	100.46	-12.00	74.0	-26.46	Peak	251.00	200	Vertical	N/A
2**	2428.800	92.48	-12.00	54.0	-38.48	AV	251.00	200	Vertical	N/A
3	2942.300	51.12	-10.41	74.0	22.88	Peak	349.00	150	Vertical	Pass
3**	2942.300	41.21	-10.41	54.0	12.79	AV	349.00	150	Vertical	Pass
4	4885.000	50.24	-3.52	74.0	23.76	Peak	65.00	200	Vertical	Pass
4**	4885.000	40.13	-3.52	54.0	13.87	AV	65.00	200	Vertical	Pass
5	6647.600	52.96	-1.11	74.0	21.04	Peak	273.00	400	Vertical	Pass
5**	6647.600	42.95	-1.11	54.0	11.05	AV	273.00	400	Vertical	Pass
6	15559.012	53.85	4.83	74.0	20.15	Peak	134.00	100	Vertical	Pass
6**	15559.012	42.98	4.83	54.0	11.02	AV	134.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1632.800	41.87	-17.51	74.0	32.13	Peak	145.00	400	Horizontal	Pass
1**	1632.800	32.34	-17.51	54.0	21.66	AV	145.00	400	Horizontal	Pass
2	2465.800	99.67	-12.76	74.0	-25.67	Peak	266.00	200	Horizontal	N/A
2**	2465.800	92.19	-12.76	54.0	-38.19	AV	266.00	200	Horizontal	N/A
3	2965.000	51.01	-10.23	74.0	22.99	Peak	0.00	150	Horizontal	Pass
3**	2965.000	41.75	-10.23	54.0	12.25	AV	0.00	150	Horizontal	Pass
4	4903.800	50.46	-3.48	74.0	23.54	Peak	145.00	300	Horizontal	Pass
4**	4903.800	40.74	-3.48	54.0	13.26	AV	145.00	300	Horizontal	Pass
5	6908.600	53.37	-0.55	74.0	20.63	Peak	114.00	200	Horizontal	Pass
5**	6908.600	43.11	-0.55	54.0	10.89	AV	114.00	200	Horizontal	Pass
6	15447.975	53.76	4.69	74.0	20.24	Peak	194.00	300	Horizontal	Pass
6**	15447.975	44.56	4.69	54.0	9.44	AV	194.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1666.200	42.25	-17.23	74.0	31.75	Peak	77.00	300	Vertical	Pass
1**	1666.200	32.54	-17.23	54.0	21.46	AV	77.00	300	Vertical	Pass
2	2465.500	99.44	-12.74	74.0	-25.44	Peak	251.00	150	Vertical	N/A
2**	2465.500	92.14	-12.74	54.0	-38.14	AV	251.00	150	Vertical	N/A
3	2970.200	50.74	-10.18	74.0	23.26	Peak	44.00	100	Vertical	Pass
3**	2970.200	41.46	-10.18	54.0	12.54	AV	44.00	100	Vertical	Pass
4	4966.200	50.06	-3.53	74.0	23.94	Peak	153.00	300	Vertical	Pass
4**	4966.200	40.97	-3.53	54.0	13.03	AV	153.00	300	Vertical	Pass
5	6910.400	53.16	-0.43	74.0	20.84	Peak	209.00	400	Vertical	Pass
5**	6910.400	43.91	-0.43	54.0	10.09	AV	209.00	400	Vertical	Pass
6	15685.800	53.85	4.67	74.0	20.15	Peak	270.00	400	Vertical	Pass
6**	15685.800	44.01	4.67	54.0	9.99	AV	270.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1674.300	42.30	-17.26	74.0	31.70	Peak	96.00	200	Horizontal	Pass
1**	1674.300	32.95	-17.26	54.0	21.05	AV	96.00	200	Horizontal	Pass
2	2426.600	98.28	-11.97	74.0	-24.28	Peak	264.00	200	Horizontal	N/A
2**	2426.600	90.73	-11.97	54.0	-36.73	AV	264.00	200	Horizontal	N/A
3	2977.400	51.71	-10.23	74.0	22.29	Peak	0.00	100	Horizontal	Pass
3**	2977.400	41.50	-10.23	54.0	12.50	AV	0.00	100	Horizontal	Pass
4	4871.800	50.63	-3.39	74.0	23.37	Peak	360.00	100	Horizontal	Pass
4**	4871.800	40.98	-3.39	54.0	13.02	AV	360.00	100	Horizontal	Pass
5	6996.400	53.17	-0.44	74.0	20.83	Peak	92.00	400	Horizontal	Pass
5**	6996.400	44.42	-0.44	54.0	9.58	AV	92.00	400	Horizontal	Pass
6	14772.563	53.76	4.92	74.0	20.24	Peak	0.00	300	Horizontal	Pass
6**	14772.563	44.93	4.92	54.0	9.07	AV	0.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1621.100	42.21	-17.49	74.0	31.79	Peak	132.00	100	Vertical	Pass
1**	1621.100	32.96	-17.49	54.0	21.04	AV	132.00	100	Vertical	Pass
2	2423.900	98.43	-12.27	74.0	-24.43	Peak	251.00	150	Vertical	N/A
2**	2423.900	91.08	-12.27	54.0	-37.08	AV	251.00	150	Vertical	N/A
3	2974.800	50.58	-10.15	74.0	23.42	Peak	333.00	200	Vertical	Pass
3**	2974.800	41.57	-10.15	54.0	12.43	AV	333.00	200	Vertical	Pass
4	4905.400	49.94	-3.42	74.0	24.06	Peak	34.00	400	Vertical	Pass
4**	4905.400	40.35	-3.42	54.0	13.65	AV	34.00	400	Vertical	Pass
5	6345.000	53.02	-1.42	74.0	20.98	Peak	360.00	400	Vertical	Pass
5**	6345.000	42.79	-1.42	54.0	11.21	AV	360.00	400	Vertical	Pass
6	15452.174	54.08	4.81	74.0	19.92	Peak	225.00	100	Vertical	Pass
6**	15452.174	44.23	4.81	54.0	9.77	AV	225.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1522.600	41.99	-17.48	74.0	32.01	Peak	172.00	300	Horizontal	Pass
1**	1522.600	32.29	-17.48	54.0	21.71	AV	172.00	300	Horizontal	Pass
2	2427.800	98.14	-11.96	74.0	-24.14	Peak	272.00	100	Horizontal	N/A
2**	2427.800	91.19	-11.96	54.0	-37.19	AV	272.00	100	Horizontal	N/A
3	2950.400	50.92	-10.14	74.0	23.08	Peak	153.00	200	Horizontal	Pass
3**	2950.400	41.31	-10.14	54.0	12.69	AV	153.00	200	Horizontal	Pass
4	4944.800	49.87	-3.81	74.0	24.13	Peak	9.00	300	Horizontal	Pass
4**	4944.800	40.47	-3.81	54.0	13.53	AV	9.00	300	Horizontal	Pass
5	6971.800	52.80	-0.39	74.0	21.20	Peak	273.00	300	Horizontal	Pass
5**	6971.800	43.58	-0.39	54.0	10.42	AV	273.00	300	Horizontal	Pass
6	14754.713	54.55	4.53	74.0	19.45	Peak	331.00	200	Horizontal	Pass
6**	14754.713	44.56	4.53	54.0	9.44	AV	331.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1669.500	42.56	-17.22	74.0	31.44	Peak	307.00	200	Vertical	Pass
1**	1669.500	32.44	-17.22	54.0	21.56	AV	307.00	200	Vertical	Pass
2	2426.600	98.76	-11.97	74.0	-24.76	Peak	253.00	100	Vertical	N/A
2**	2426.600	90.56	-11.97	54.0	-36.56	AV	253.00	100	Vertical	N/A
3	2992.000	51.31	-9.94	74.0	22.69	Peak	285.00	100	Vertical	Pass
3**	2992.000	41.29	-9.94	54.0	12.71	AV	285.00	100	Vertical	Pass
4	4864.600	49.65	-3.27	74.0	24.35	Peak	297.00	200	Vertical	Pass
4**	4864.600	40.54	-3.27	54.0	13.46	AV	297.00	200	Vertical	Pass
5	6909.800	53.46	-0.47	74.0	20.54	Peak	98.00	400	Vertical	Pass
5**	6909.800	43.74	-0.47	54.0	10.26	AV	98.00	400	Vertical	Pass
6	15828.862	54.12	5.01	74.0	19.88	Peak	256.00	300	Vertical	Pass
6**	15828.862	44.02	5.01	54.0	9.98	AV	256.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1434.600	41.92	-17.52	74.0	32.08	Peak	91.00	300	Horizontal	Pass
1**	1434.600	32.22	-17.52	54.0	21.78	AV	91.00	300	Horizontal	Pass
2	2467.000	94.81	-12.81	74.0	-20.81	Peak	266.00	200	Horizontal	N/A
2**	2467.000	87.55	-12.81	54.0	-33.55	AV	266.00	200	Horizontal	N/A
3	2956.600	51.22	-10.07	74.0	22.78	Peak	171.00	100	Horizontal	Pass
3**	2956.600	42.19	-10.07	54.0	11.81	AV	171.00	100	Horizontal	Pass
4	4922.400	50.10	-3.56	74.0	23.90	Peak	272.00	300	Horizontal	Pass
4**	4922.400	40.43	-3.56	54.0	13.57	AV	272.00	300	Horizontal	Pass
5	6918.200	53.27	-0.27	74.0	20.73	Peak	360.00	100	Horizontal	Pass
5**	6918.200	43.85	-0.27	54.0	10.15	AV	360.00	100	Horizontal	Pass
6	16288.238	53.77	4.68	74.0	20.23	Peak	2.00	100	Horizontal	Pass
6**	16288.238	43.42	4.68	54.0	10.58	AV	2.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1646.000	42.99	-17.65	74.0	31.01	Peak	165.00	200	Vertical	Pass
1**	1646.000	32.31	-17.65	54.0	21.69	AV	165.00	200	Vertical	Pass
2	2465.900	94.38	-12.76	74.0	-20.38	Peak	251.00	150	Vertical	N/A
2**	2465.900	86.89	-12.76	54.0	-32.89	AV	251.00	150	Vertical	N/A
3	2960.700	51.03	-10.15	74.0	22.97	Peak	24.00	100	Vertical	Pass
3**	2960.700	41.32	-10.15	54.0	12.68	AV	24.00	100	Vertical	Pass
4	4879.200	50.41	-3.58	74.0	23.59	Peak	166.00	300	Vertical	Pass
4**	4879.200	40.49	-3.58	54.0	13.51	AV	166.00	300	Vertical	Pass
5	6792.400	52.72	-1.15	74.0	21.28	Peak	341.00	400	Vertical	Pass
5**	6792.400	43.13	-1.15	54.0	10.87	AV	341.00	400	Vertical	Pass
6	14764.951	54.02	4.91	74.0	19.98	Peak	55.00	200	Vertical	Pass
6**	14764.951	45.42	4.91	54.0	8.58	AV	55.00	200	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

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	2341.333	56.28	-0.67	74.0	17.72	Peak	0.00	400	Vertical	Pass
1**	2341.333	43.50	-0.67	54.0	10.50	AV	0.00	400	Vertical	Pass
2	2390.000	53.54	-1.15	74.0	20.46	Peak	0.00	100	Vertical	Pass
2**	2390.000	43.43	-1.15	54.0	10.57	AV	0.00	100	Vertical	Pass

802.11b HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.97	-0.51	74.0	20.03	Peak	3.00	300	Vertical	Pass
1**	2483.500	43.63	-0.51	54.0	10.37	AV	3.00	300	Vertical	Pass
2	2498.150	55.74	-0.51	74.0	18.26	Peak	210.00	300	Vertical	Pass
2**	2498.150	43.77	-0.51	54.0	10.23	AV	210.00	300	Vertical	Pass

802.11g LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	62.97	-1.15	74.0	11.03	Peak	253.00	200	Vertical	Pass
1**	2390.000	48.90	-1.15	54.0	5.10	AV	253.00	200	Vertical	Pass

802.11g HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	64.70	-0.51	74.0	9.30	Peak	254.00	200	Vertical	Pass
1**	2483.550	48.79	-0.51	54.0	5.21	AV	254.00	200	Vertical	Pass

802.11n20 LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.333	65.13	-1.15	74.0	8.87	Peak	256.00	400	Vertical	Pass
1**	2389.333	48.73	-1.15	54.0	5.27	AV	256.00	400	Vertical	Pass
2	2390.000	64.60	-1.15	74.0	9.40	Peak	230.00	200	Vertical	Pass
2**	2390.000	49.60	-1.15	54.0	4.40	AV	230.00	200	Vertical	Pass

802.11n20 HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	64.49	-0.51	74.0	9.51	Peak	298.00	400	Vertical	Pass
1**	2483.550	48.50	-0.51	54.0	5.50	AV	298.00	400	Vertical	Pass
2	2484.050	65.71	-0.50	74.0	8.29	Peak	254.00	400	Vertical	Pass
2**	2484.050	47.56	-0.50	54.0	6.44	AV	254.00	400	Vertical	Pass

802.11n40 LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.667	62.34	-1.15	74.0	11.66	Peak	167.00	400	Vertical	Pass
1**	2389.667	47.86	-1.15	54.0	6.14	AV	167.00	400	Vertical	Pass
2	2390.000	60.74	-1.15	74.0	13.26	Peak	188.00	300	Vertical	Pass
2**	2390.000	48.48	-1.15	54.0	5.52	AV	188.00	300	Vertical	Pass

802.11n40 HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	59.48	-0.51	74.0	14.52	Peak	255.00	200	Vertical	Pass
1**	2483.550	47.47	-0.51	54.0	6.53	AV	255.00	200	Vertical	Pass
2	2490.550	64.75	-0.64	74.0	9.25	Peak	212.00	300	Vertical	Pass
2**	2490.550	48.32	-0.64	54.0	5.68	AV	212.00	300	Vertical	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-3.832	8
Middle	-4.605	8
High	-4.101	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.953	8
Middle	-7.323	8
High	-7.971	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.752	8
Middle	-10.078	8
High	-8.671	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.929	8
Middle	-13.742	8
High	-14.580	8