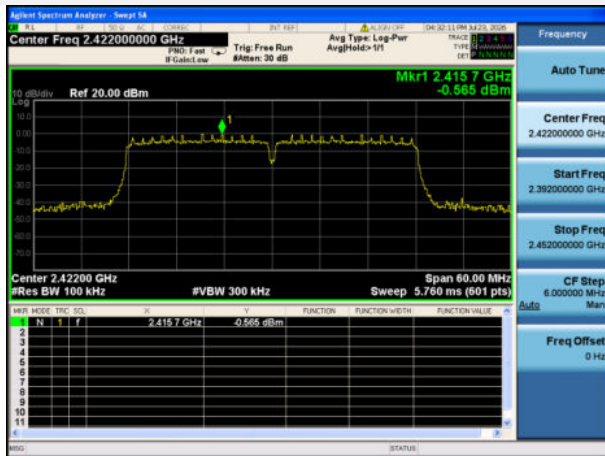
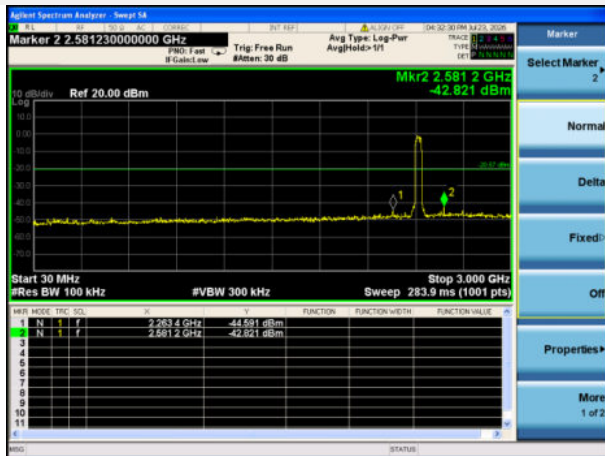
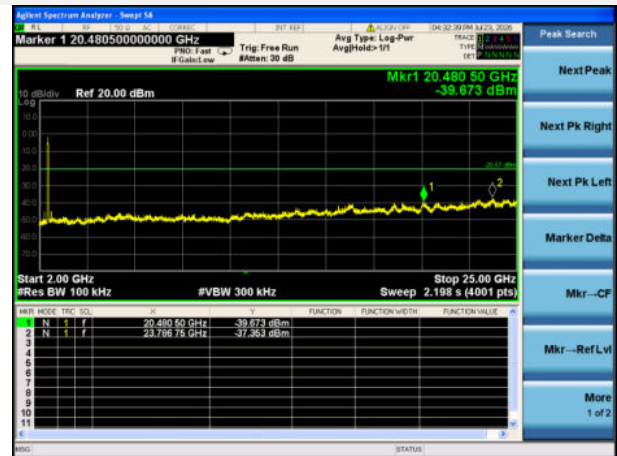
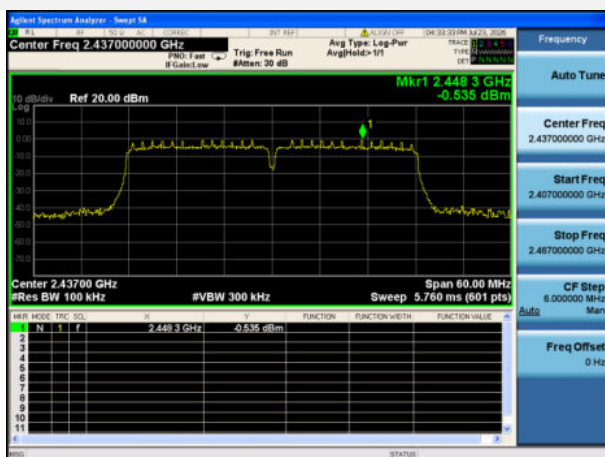


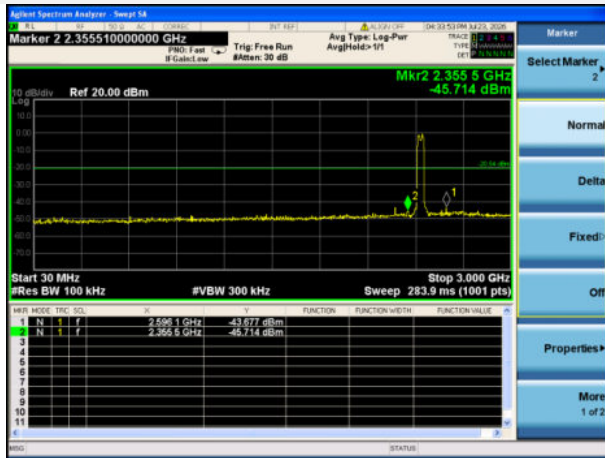
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

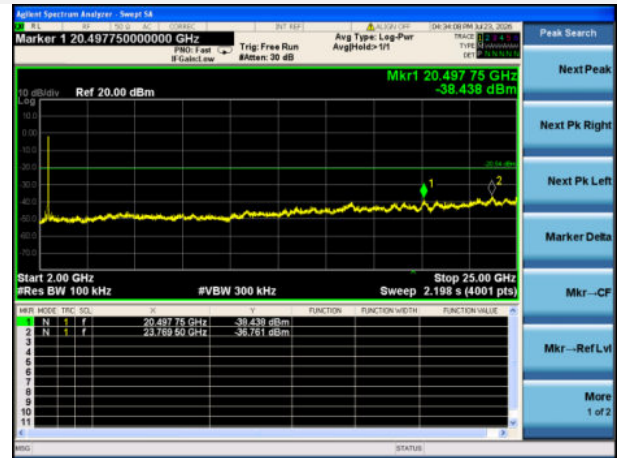
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



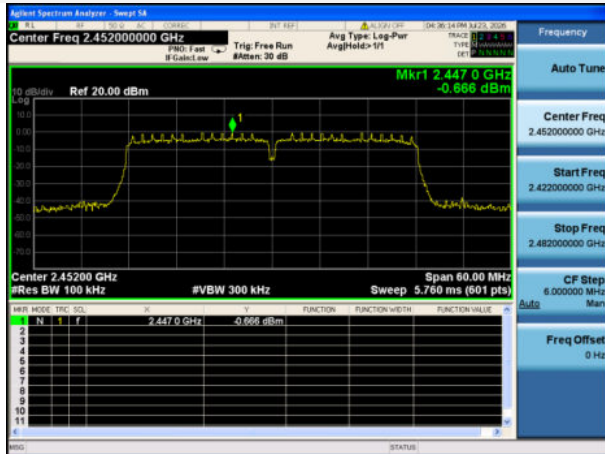
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



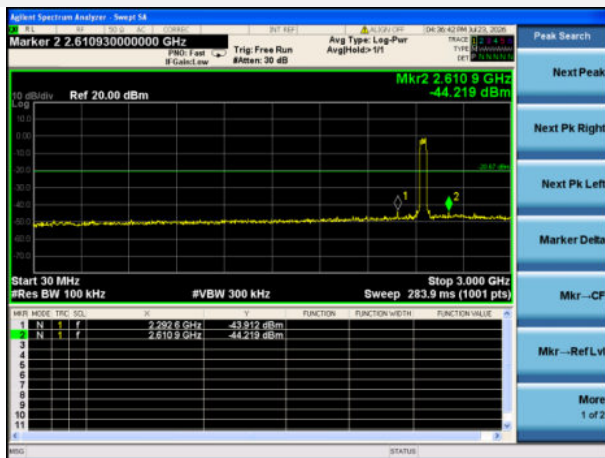
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



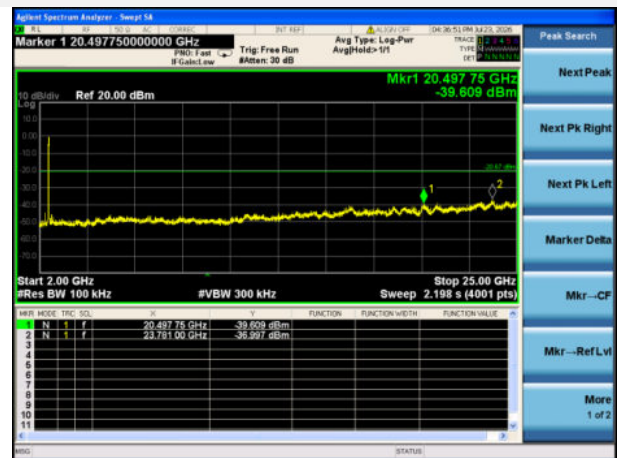
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



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

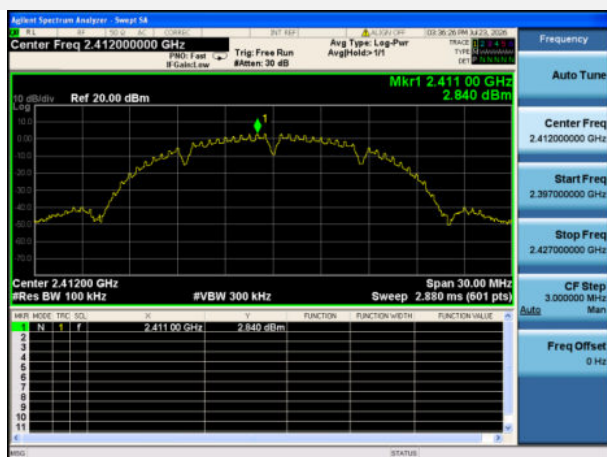


802.11n-40 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

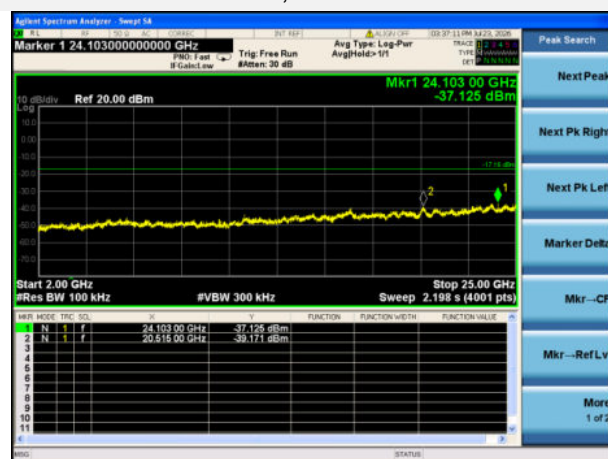
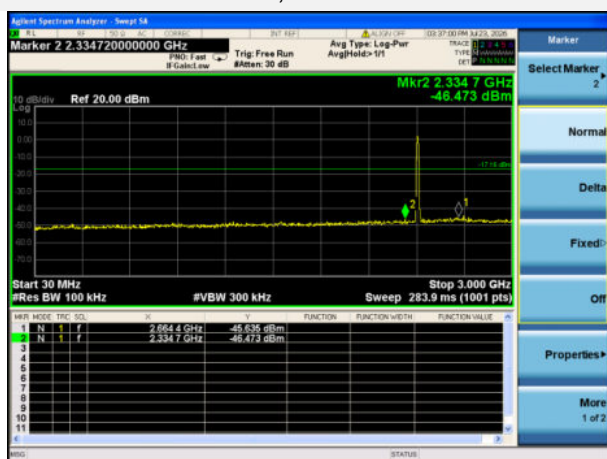


ANT2

802.11b LOW CHANNEL CARRIER LEVEL



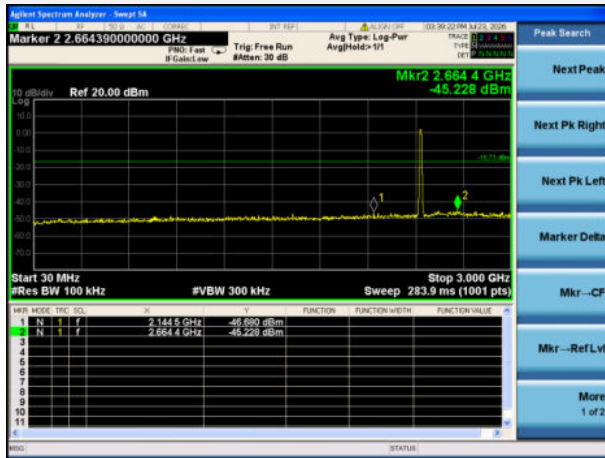
802.11b LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz 802.11b LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



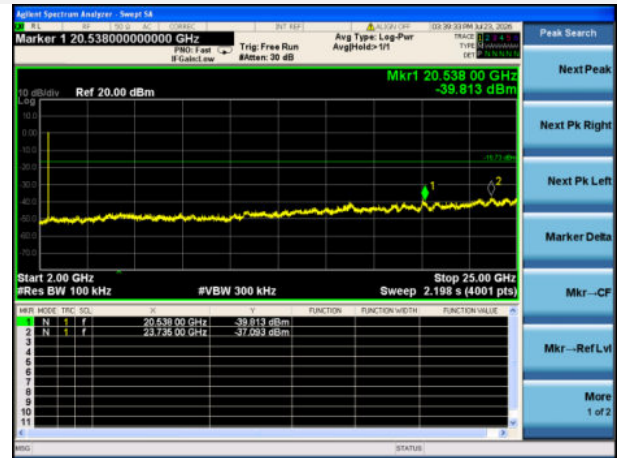
802.11b MIDDLE CHANNEL CARRIER LEVEL



802.11b MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



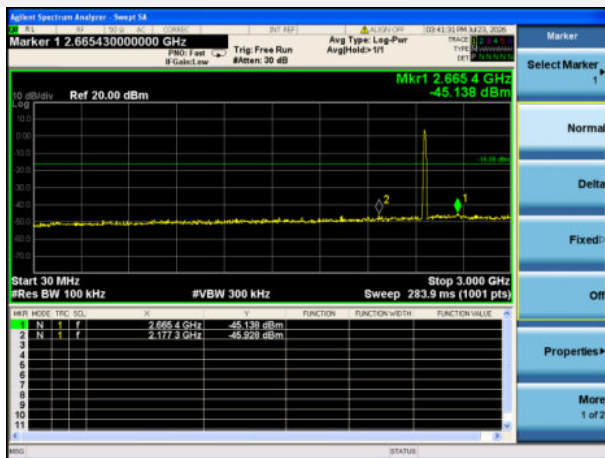
802.11b MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



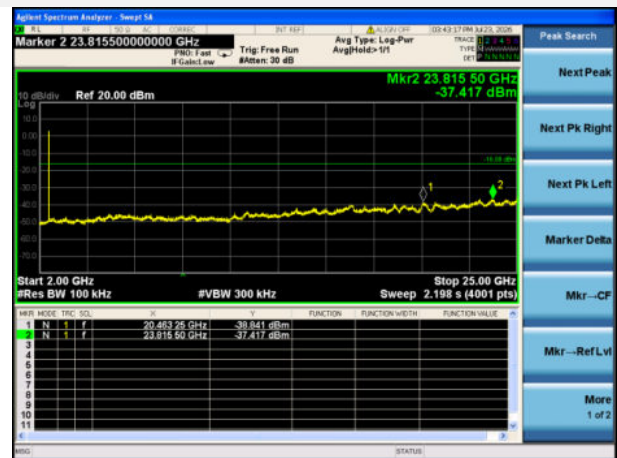
802.11b HIGH CHANNEL CARRIER LEVEL



802.11b HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



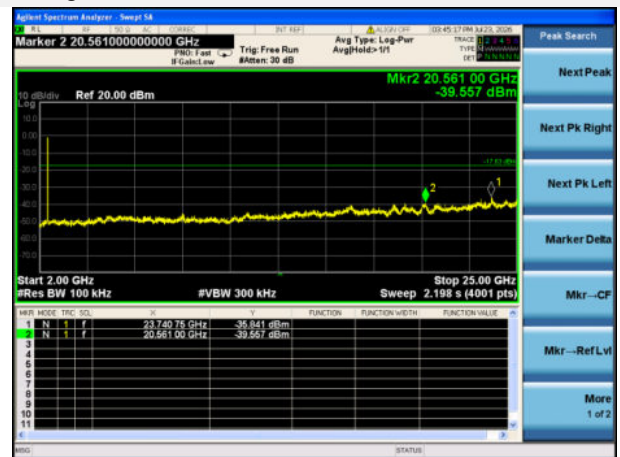
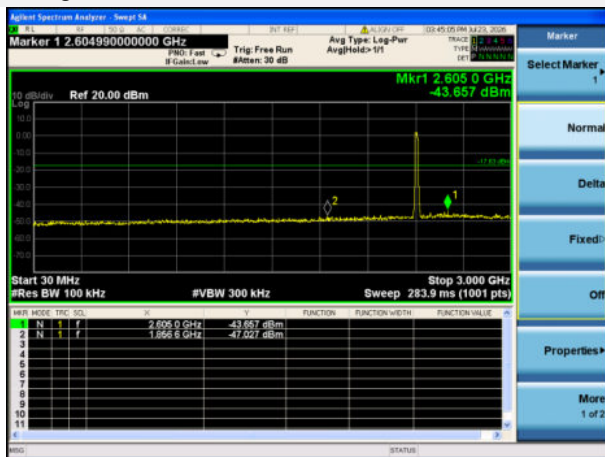
802.11b HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



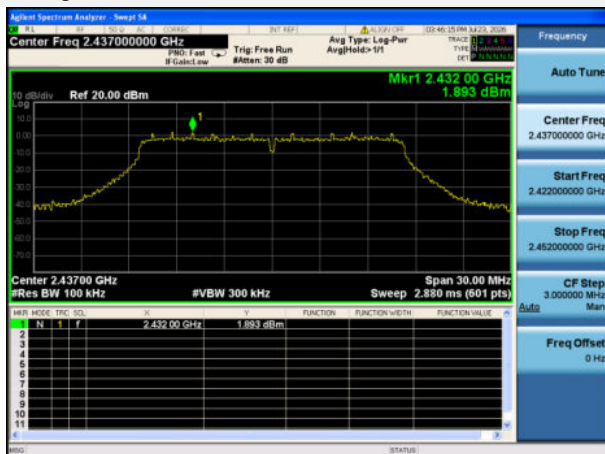
802.11g LOW CHANNEL CARRIER LEVEL



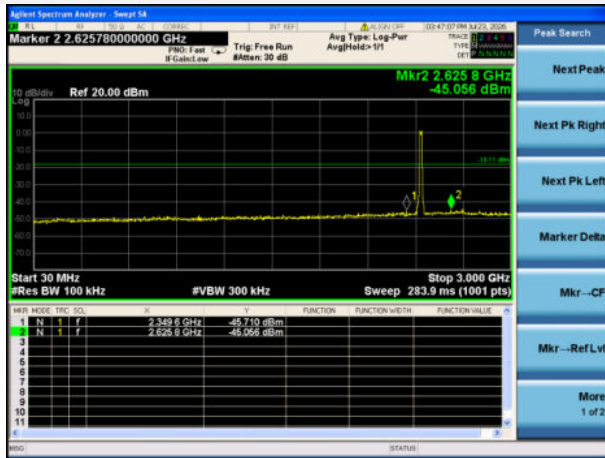
802.11g LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz 802.11g LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



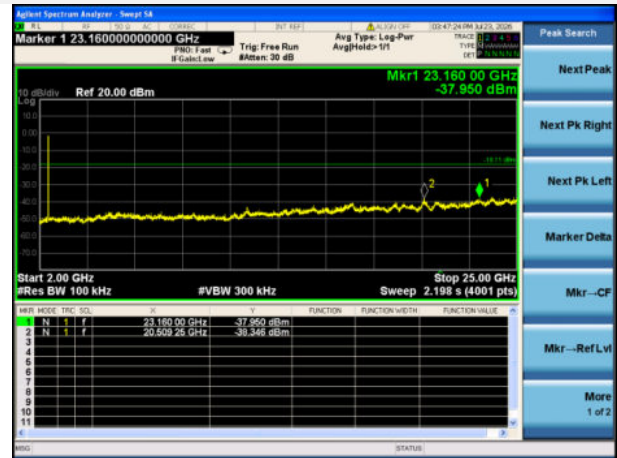
802.11g MIDDLE CHANNEL CARRIER LEVEL



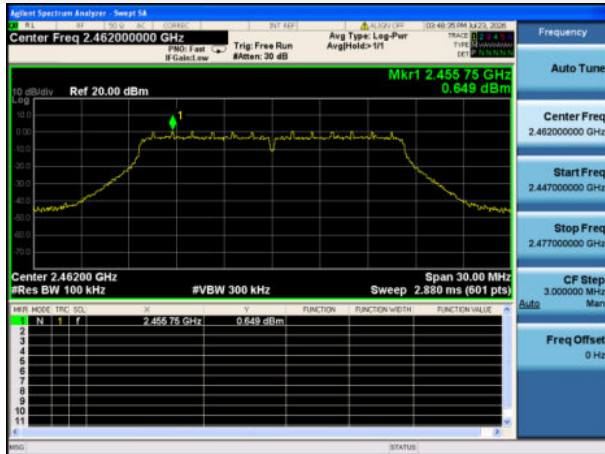
802.11g MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



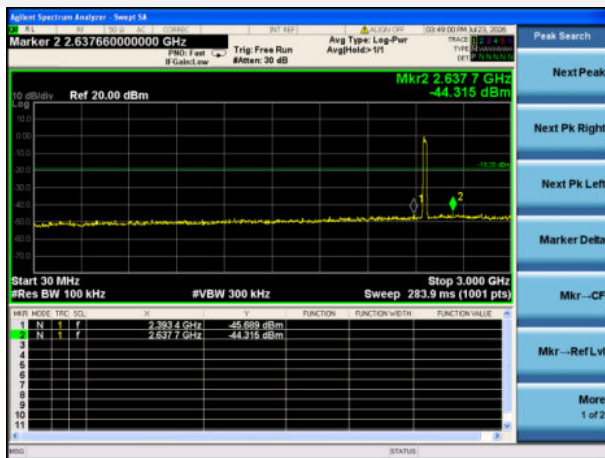
802.11g MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



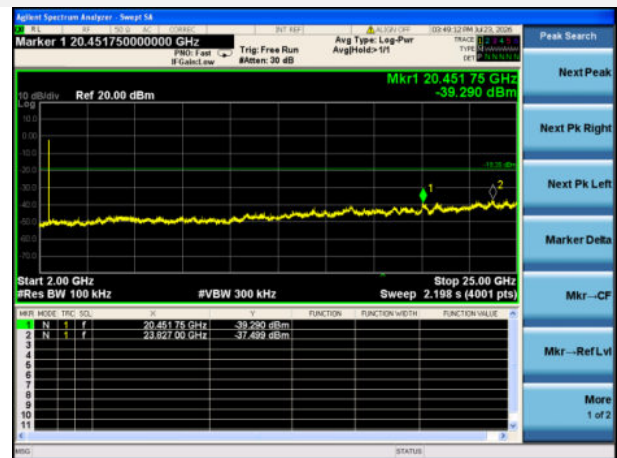
802.11g HIGH CHANNEL CARRIER LEVEL



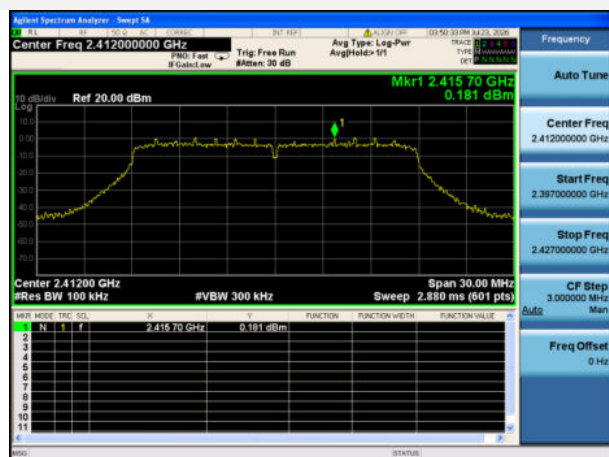
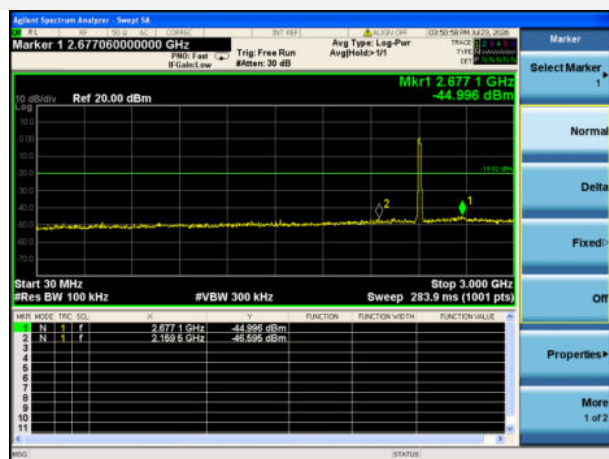
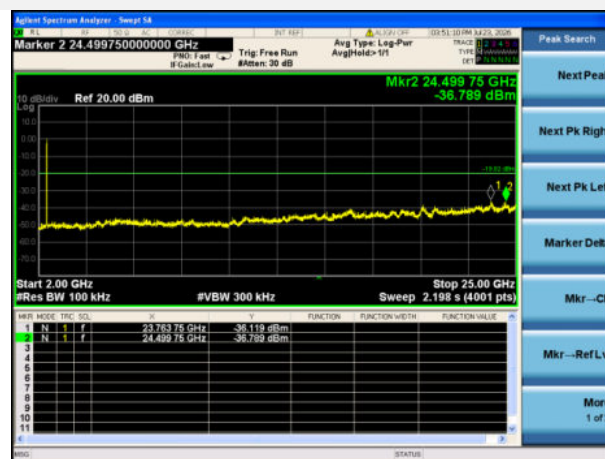
802.11g HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



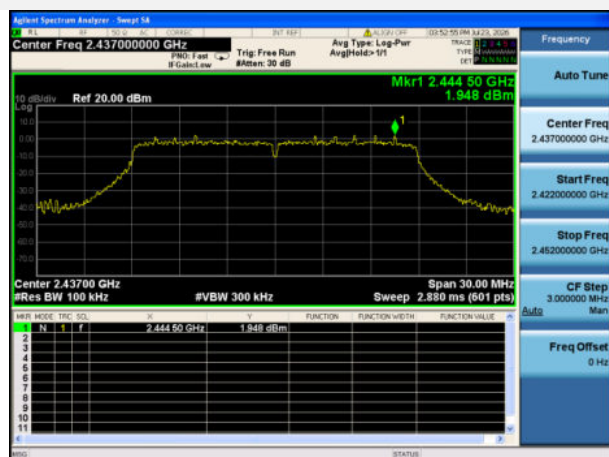
802.11g HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



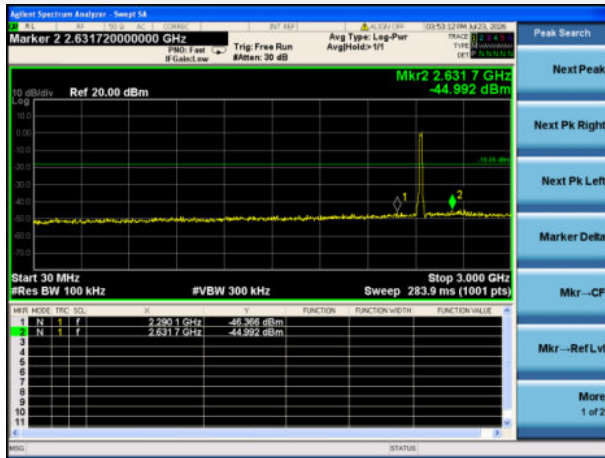
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

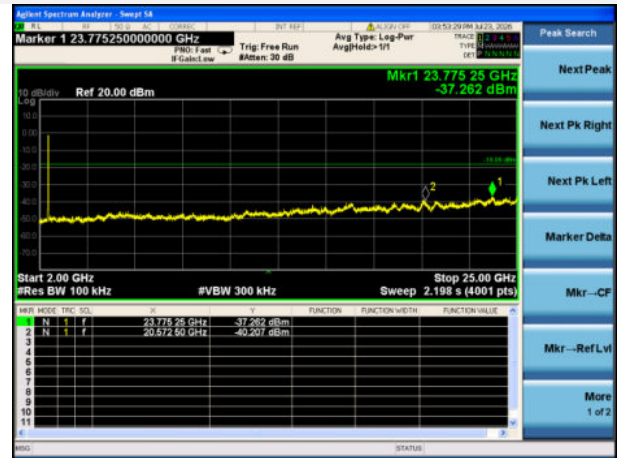
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



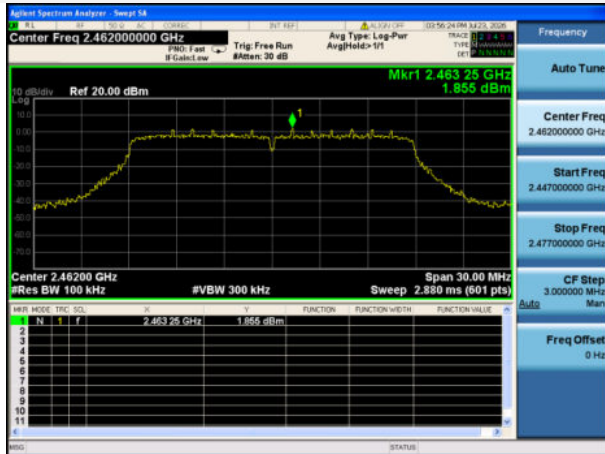
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



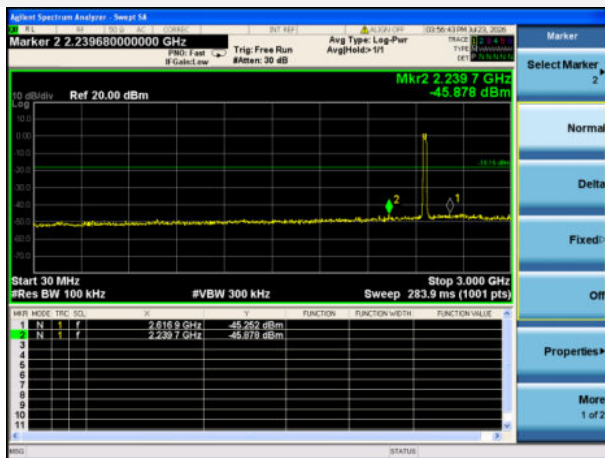
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



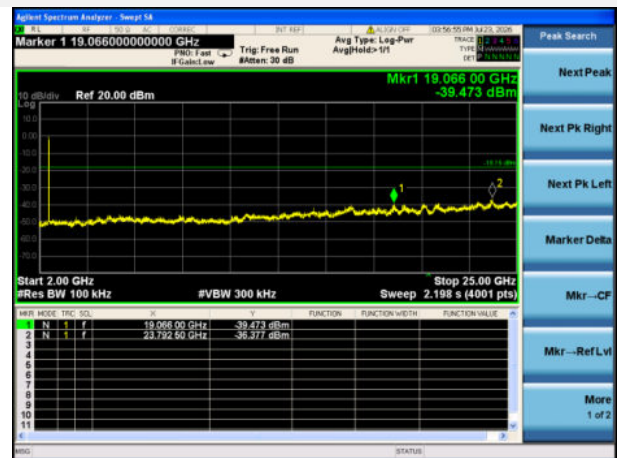
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



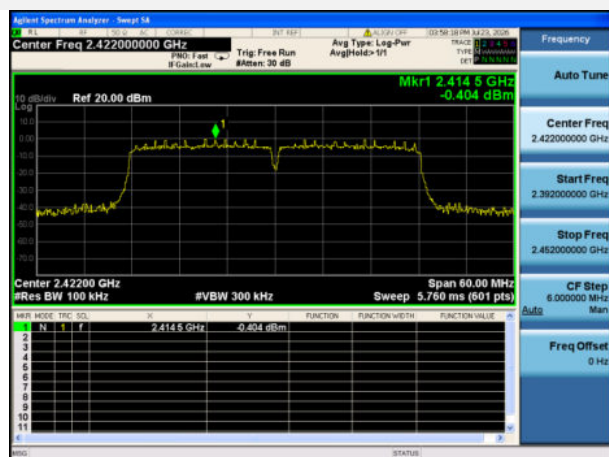
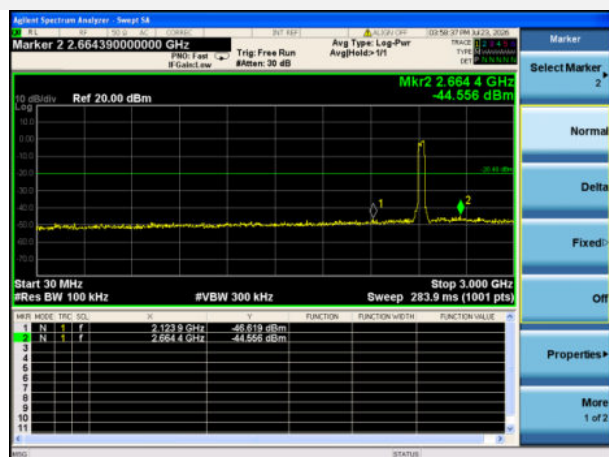
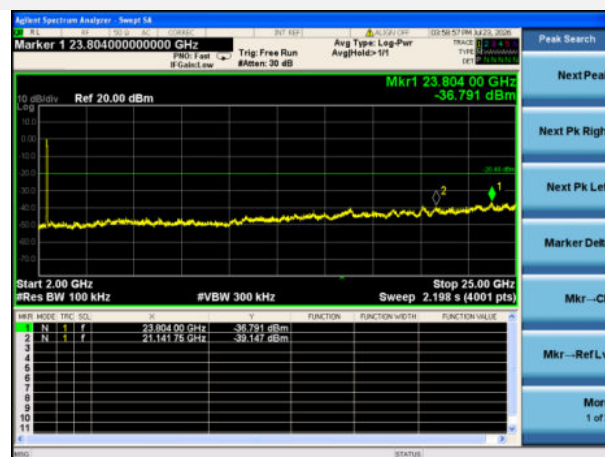
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



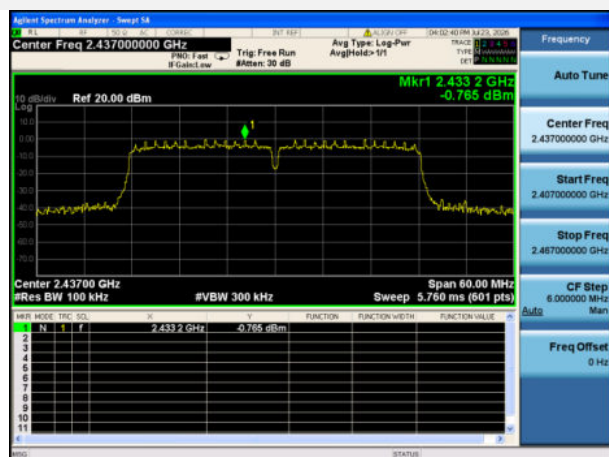
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



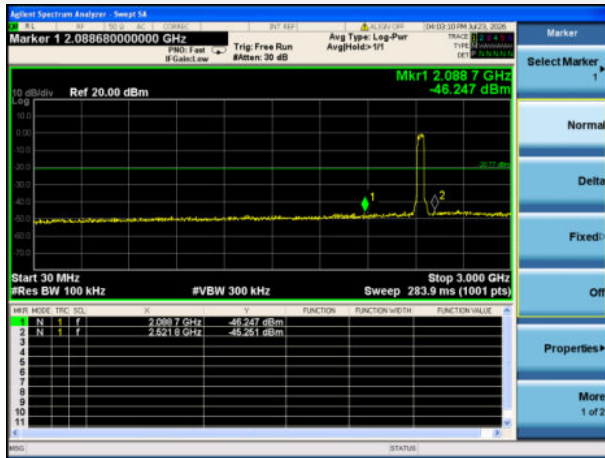
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

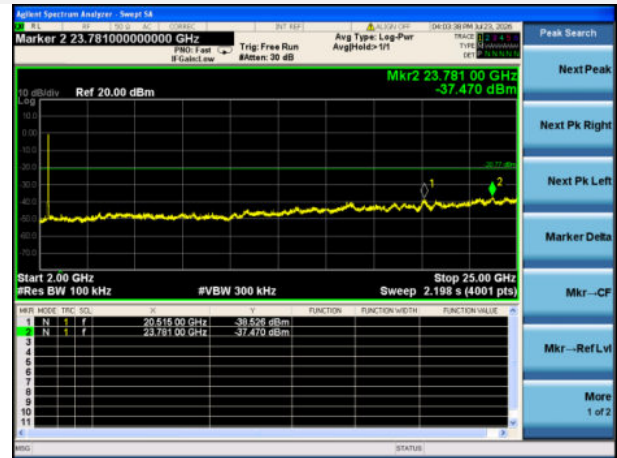
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



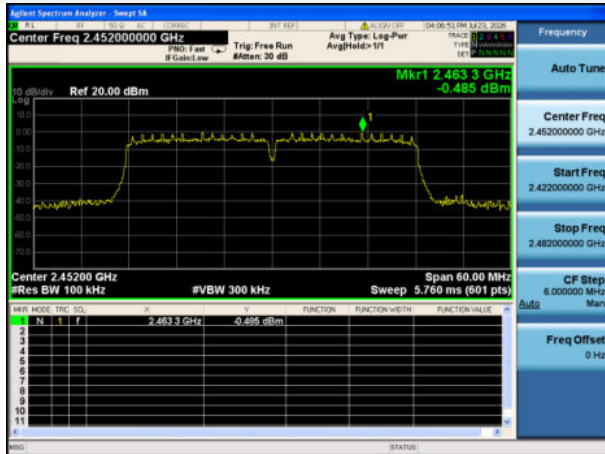
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



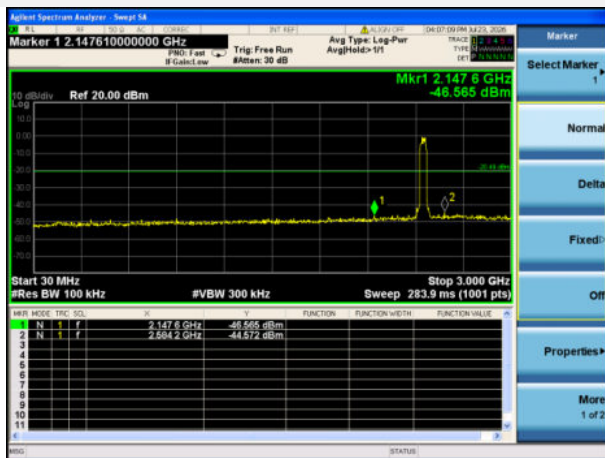
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



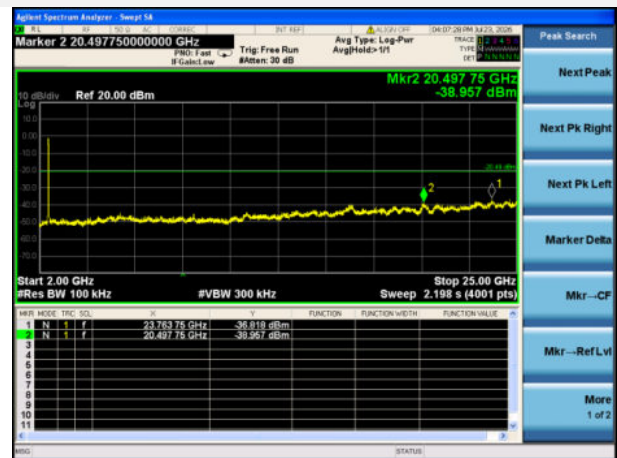
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



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

ANT1

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-38.36	3.44	-16.56	Pass
High Channel	-48.57	4.04	-15.96	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-36.95	2.01	-17.99	Pass
High Channel	-48.98	1.06	-18.94	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-36.15	2.40	-17.60	Pass
High Channel	-46.88	1.94	-18.06	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-39.54	-0.57	-20.57	Pass
High Channel	-44.37	-0.67	-20.67	Pass

ANT2**802.11b Mode:**

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-38.00	2.84	-17.16	Pass
High Channel	-49.68	3.92	-16.08	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-36.84	2.37	-17.63	Pass
High Channel	-47.49	0.65	-19.35	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-39.07	0.18	-19.82	Pass
High Channel	-46.17	1.86	-18.15	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-36.23	-0.40	-20.40	Pass
High Channel	-41.60	-0.49	-20.49	Pass

Test Plots

ANT1

802.11b LOW CHANNEL, CARRIER LEVEL



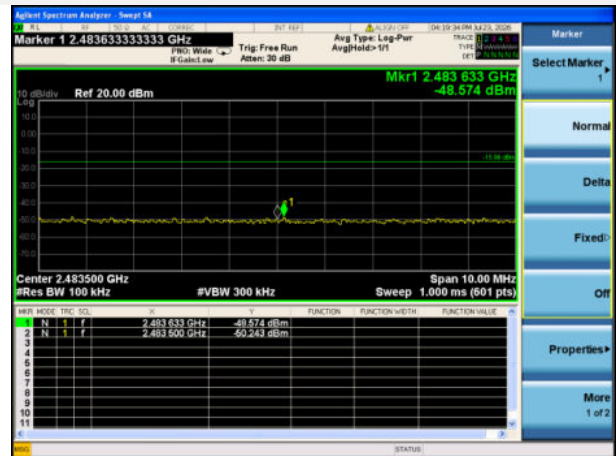
802.11b LOW CHANNEL, BAND EDGE



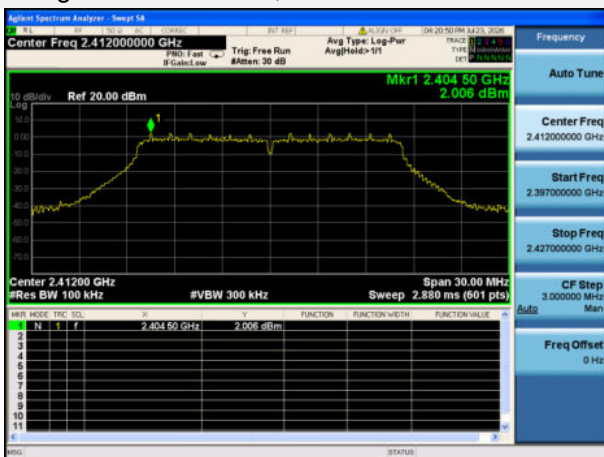
802.11b HIGH CHANNEL, CARRIER LEVEL



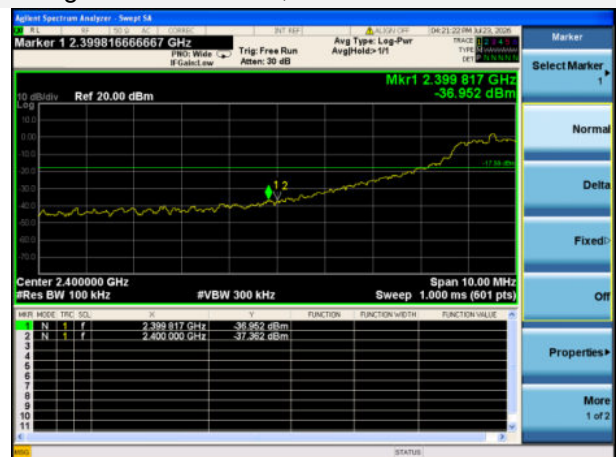
802.11b HIGH CHANNEL, BAND EDGE



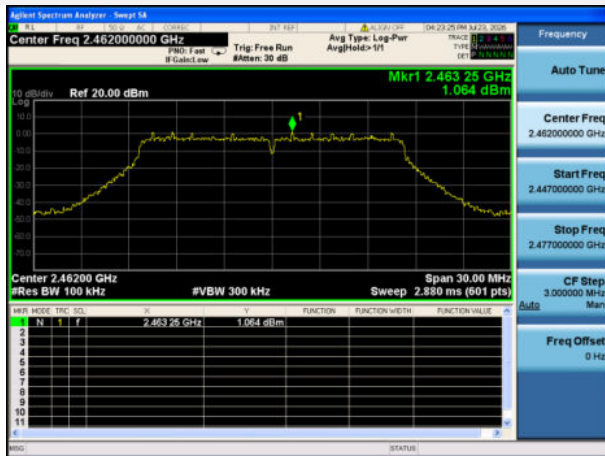
802.11g LOW CHANNEL, CARRIER LEVEL



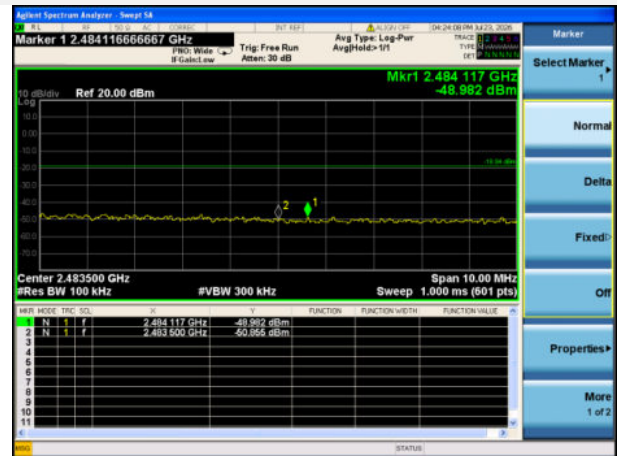
802.11g LOW CHANNEL, BAND EDGE



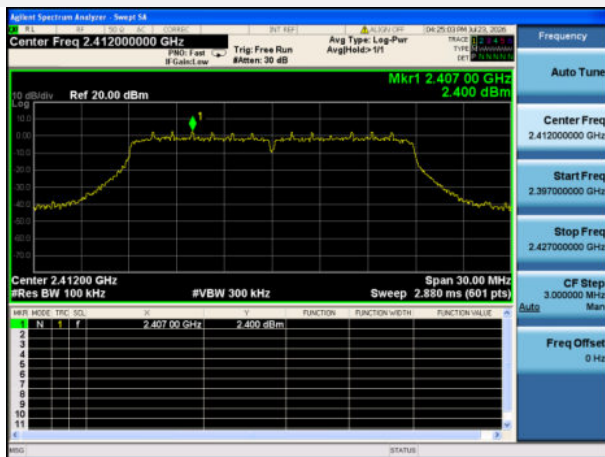
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



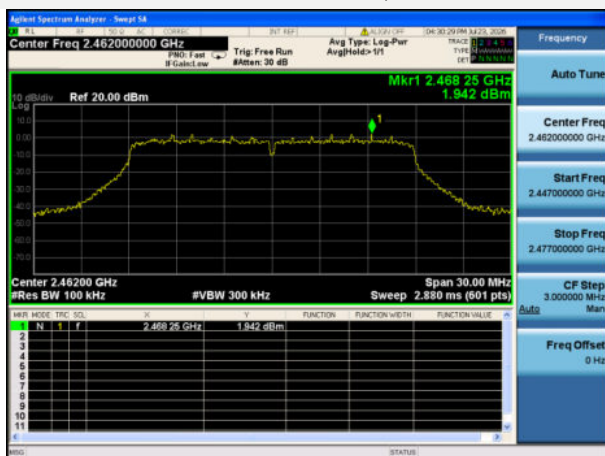
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



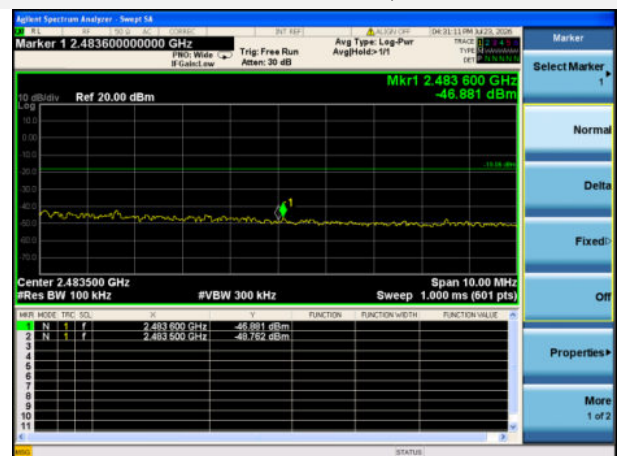
802.11n-20 MHz LOW CHANNEL, BAND EDGE



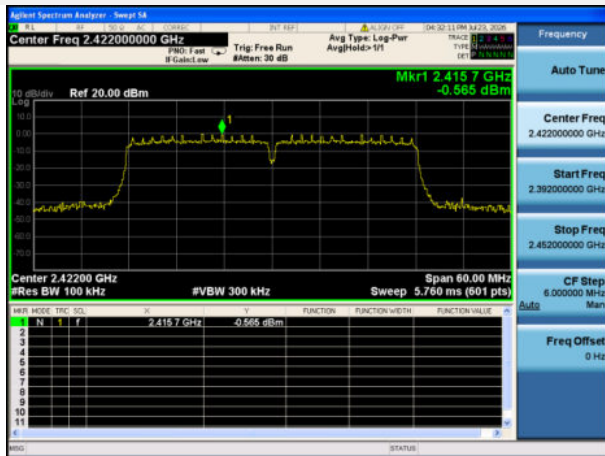
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



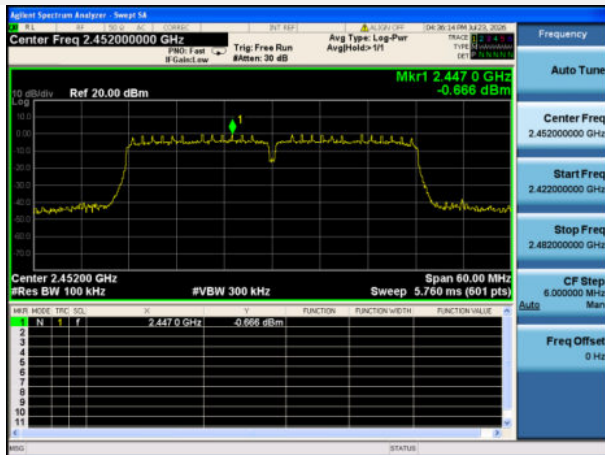
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



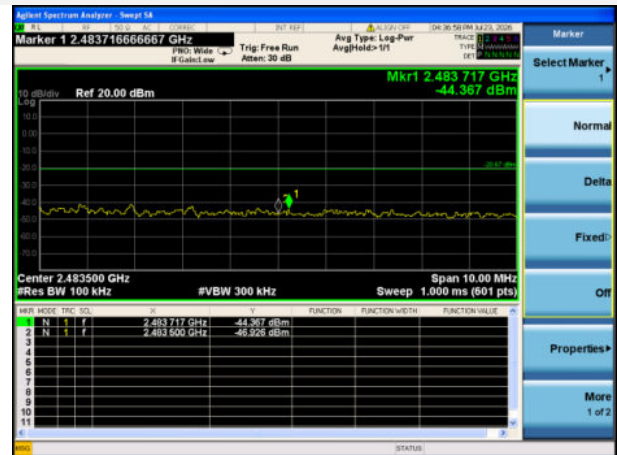
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



ANT2

802.11b LOW CHANNEL, CARRIER LEVEL



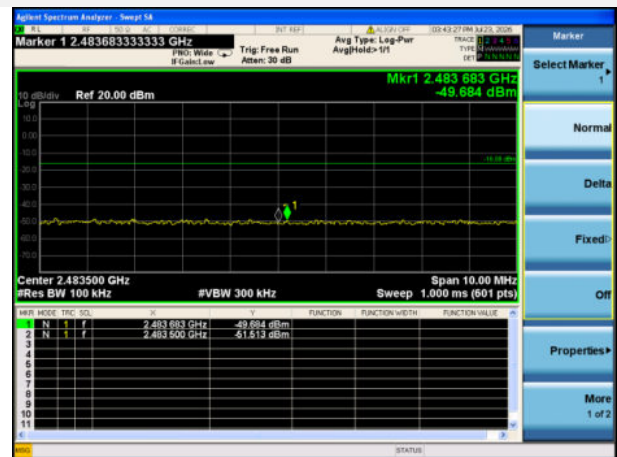
802.11b LOW CHANNEL, BAND EDGE



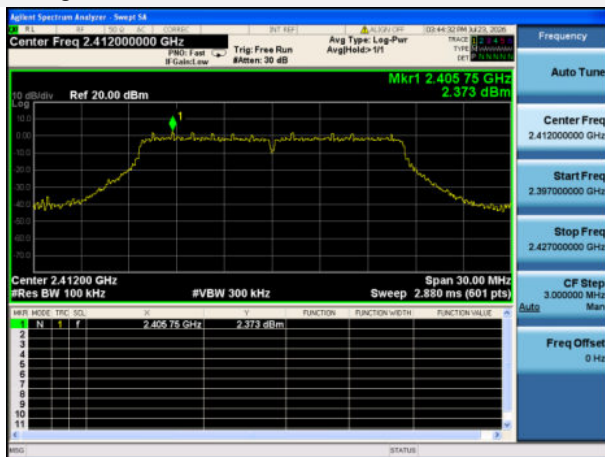
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



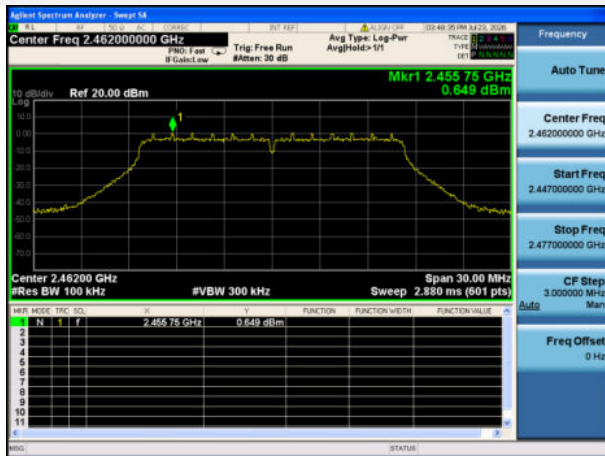
802.11g LOW CHANNEL, CARRIER LEVEL



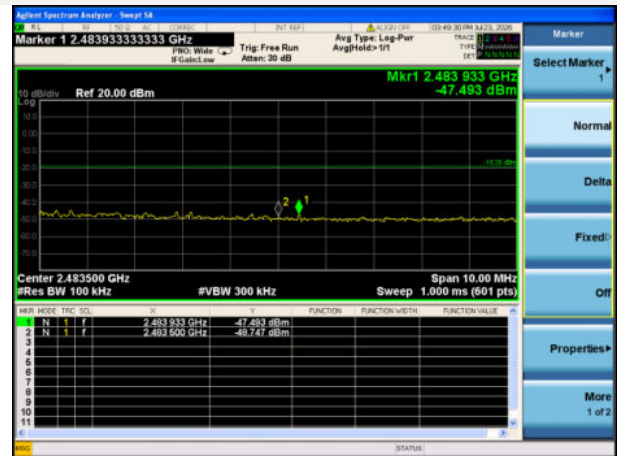
802.11g LOW CHANNEL, BAND EDGE



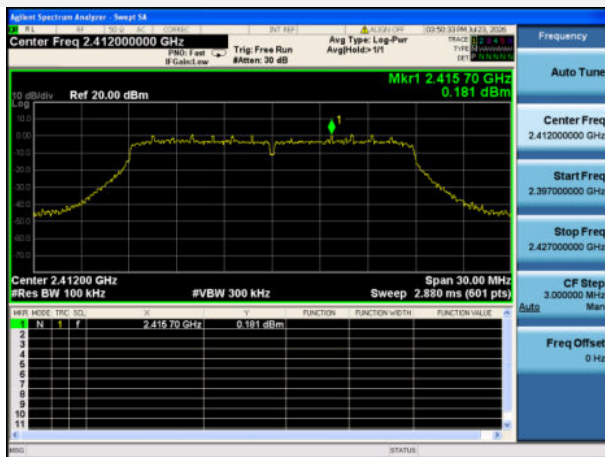
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



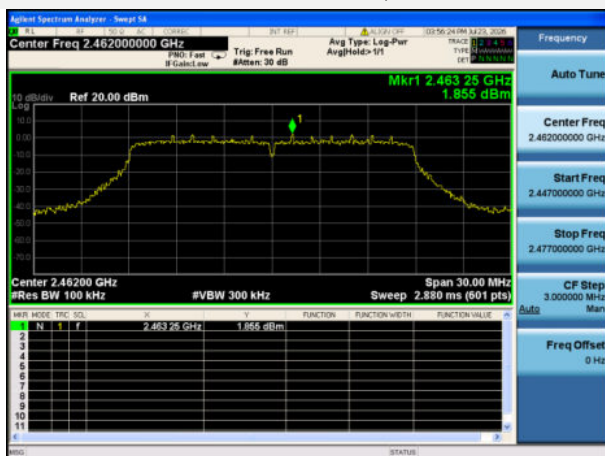
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



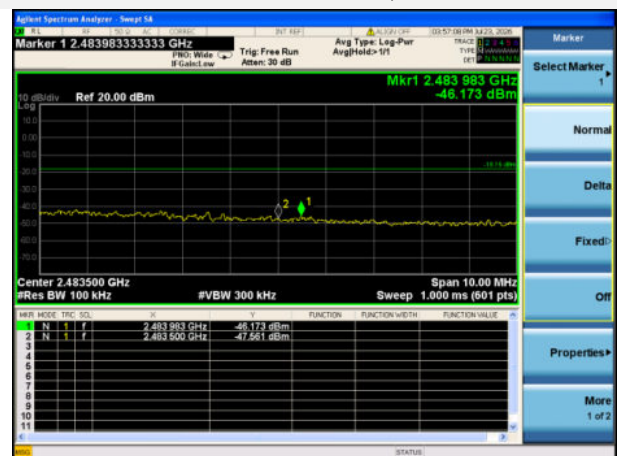
802.11n-20 MHz LOW CHANNEL, BAND EDGE



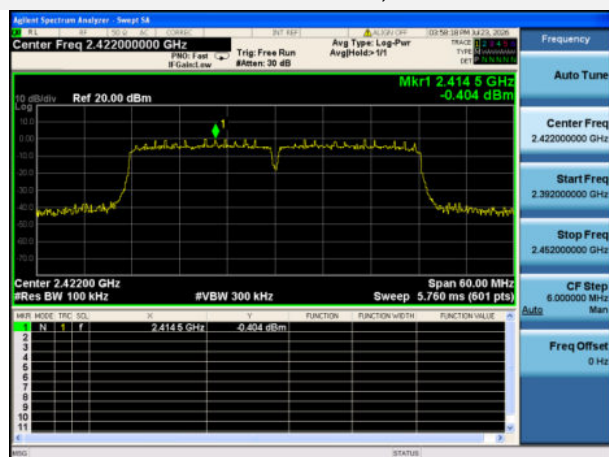
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



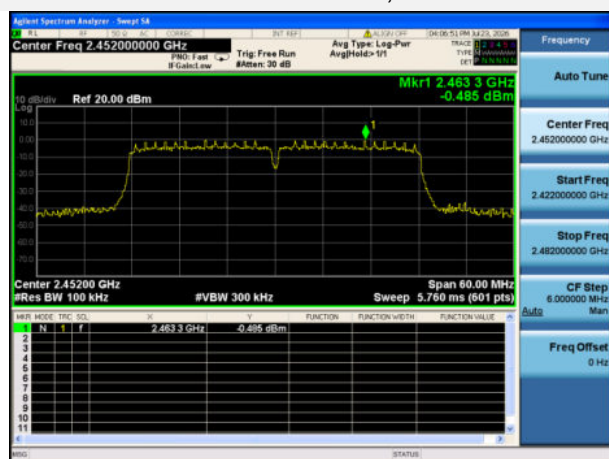
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



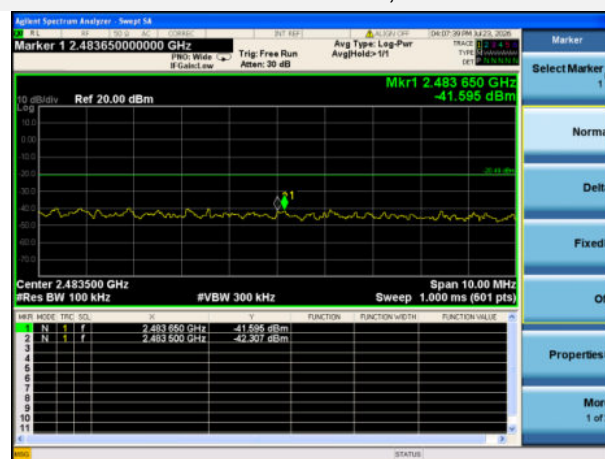
802.11n-40 MHz LOW CHANNEL, BAND EDGE



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.

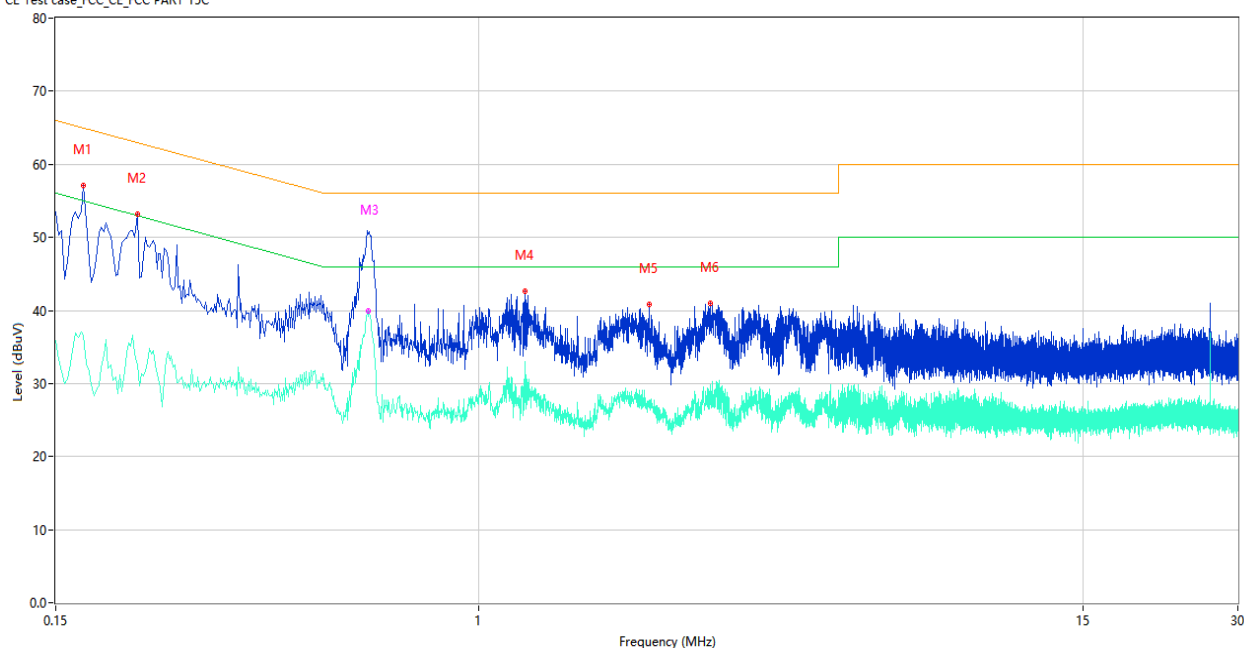
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

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

Test Data and Plots

PHASE L

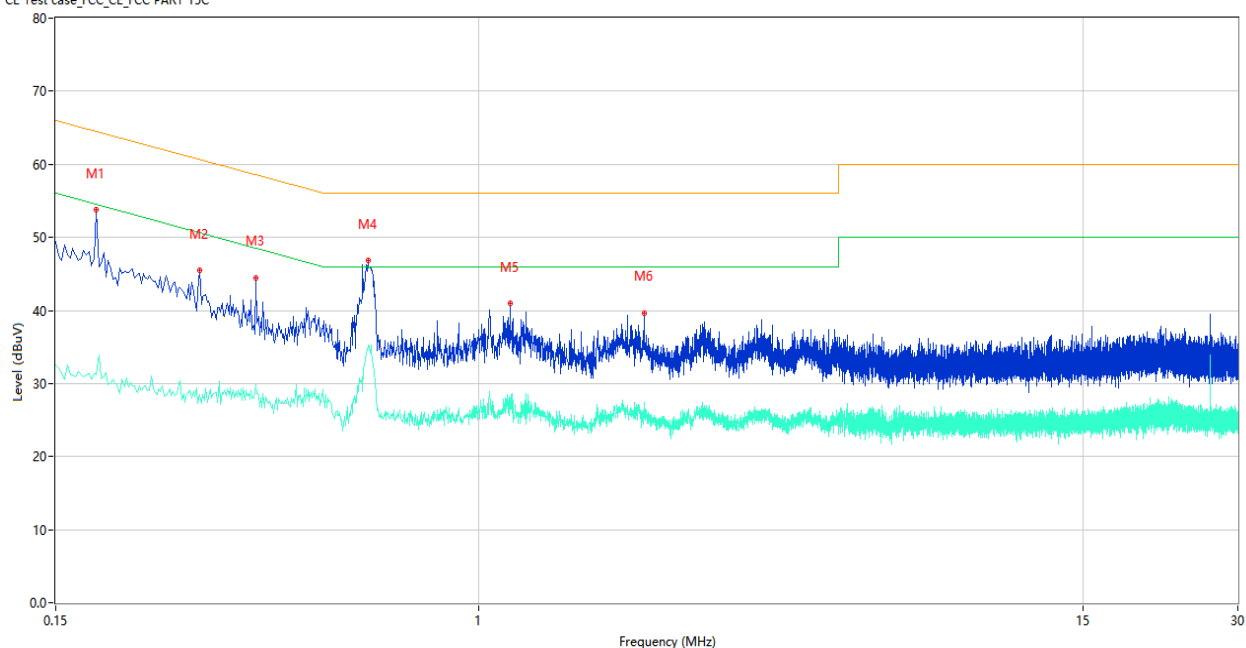
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.170	57.10	9.85	64.96	7.86	Peak	L	Pass
1**	0.170	36.66	9.85	54.96	18.30	AV	L	Pass
2	0.216	53.18	9.83	62.97	9.79	Peak	L	Pass
2**	0.216	32.59	9.83	52.97	20.38	AV	L	Pass
3	0.610	50.45	10.23	56.00	5.55	Peak	L	Pass
3**	0.610	39.92	10.23	46.00	6.08	AV	L	Pass
4	1.228	42.61	10.27	56.00	13.39	Peak	L	Pass
4**	1.228	33.00	10.27	46.00	13.00	AV	L	Pass
5	2.142	40.80	10.21	56.00	15.20	Peak	L	Pass
5**	2.142	27.65	10.21	46.00	18.35	AV	L	Pass
6	2.818	40.92	10.16	56.00	15.08	Peak	L	Pass
6**	2.818	29.87	10.16	46.00	16.13	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	0.180	53.73	9.84	64.49	10.76	Peak	N	Pass
1**	0.180	31.11	9.84	54.49	23.38	AV	N	Pass
2	0.286	45.45	9.82	60.64	15.19	Peak	N	Pass
2**	0.286	28.46	9.82	50.64	22.18	AV	N	Pass
3	0.368	44.51	10.74	58.55	14.04	Peak	N	Pass
3**	0.368	29.80	10.74	48.55	18.75	AV	N	Pass
4	0.608	46.86	10.23	56.00	9.14	Peak	N	Pass
4**	0.608	35.19	10.23	46.00	10.81	AV	N	Pass
5	1.148	41.01	10.45	56.00	14.99	Peak	N	Pass
5**	1.148	27.74	10.45	46.00	18.26	AV	N	Pass
6	2.098	39.69	9.97	56.00	16.31	Peak	N	Pass
6**	2.098	27.13	9.97	46.00	18.87	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 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, 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.

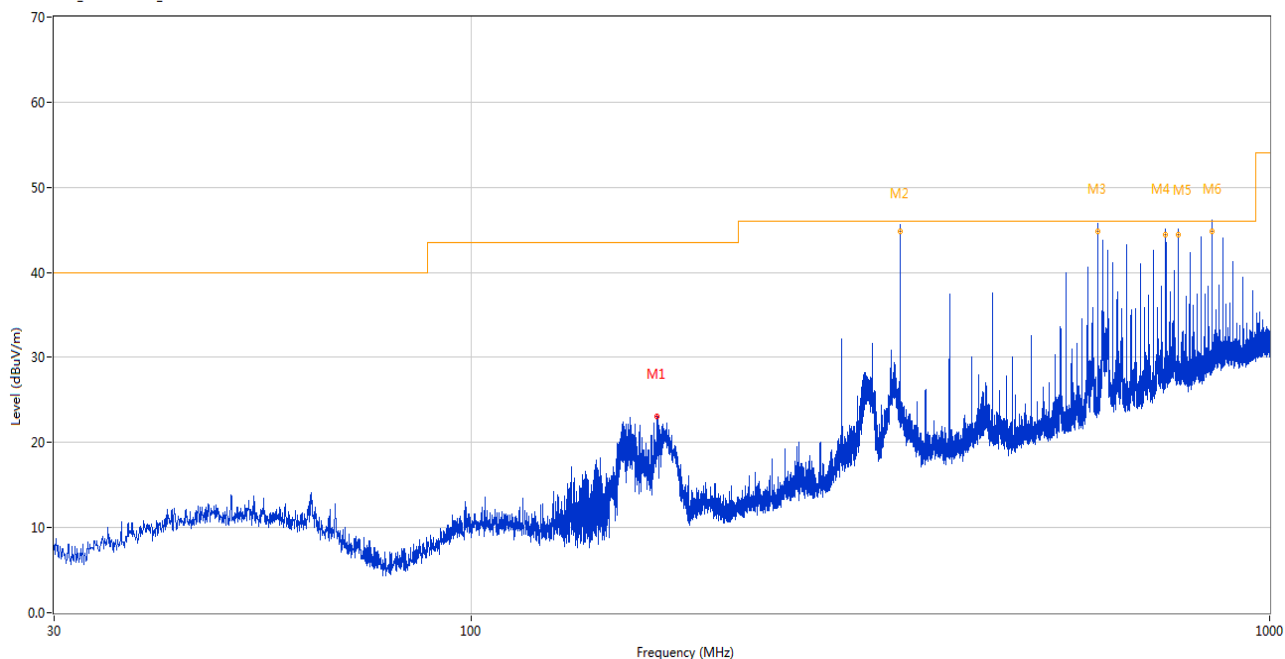
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

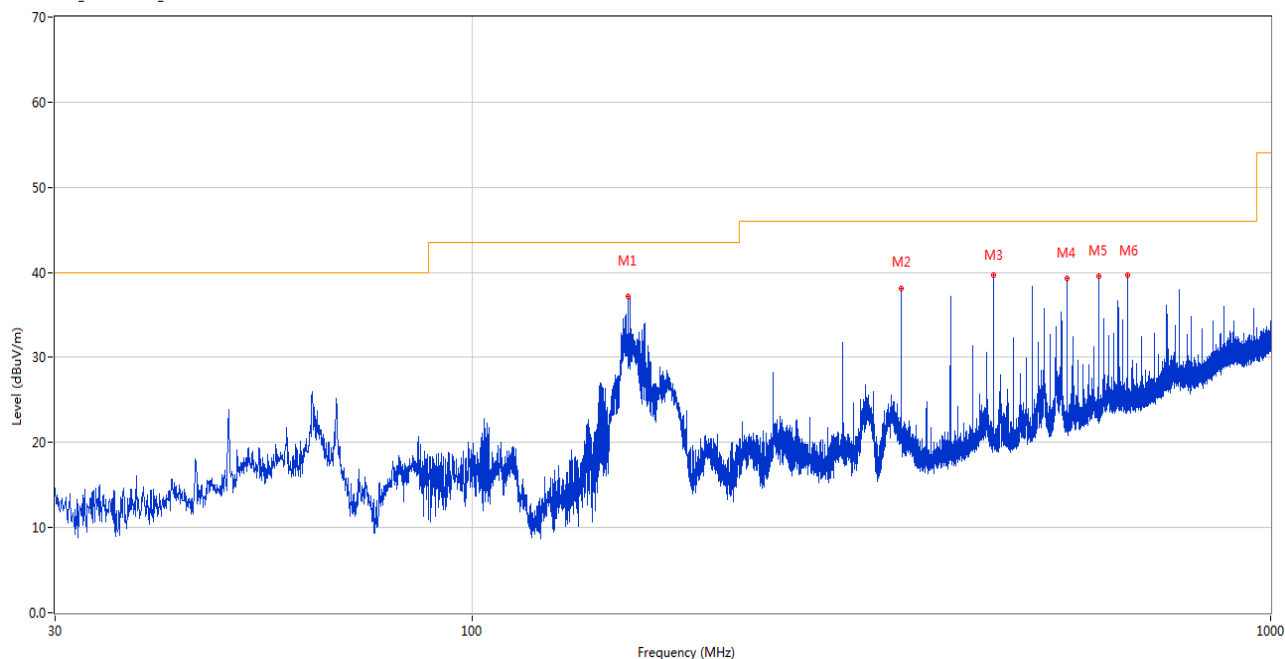
RE Test case_FCC Part 15C_FCC Part 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	170.602	23.02	-26.98	43.5	20.48	Peak	278.20	100	Horizontal	Pass
2	344.134	45.63	-19.47	46.0	0.37	Peak	180.40	100	Horizontal	N/A
2*	344.134	44.86	-19.47	46.0	1.14	QP	180.40	100	Horizontal	Pass
3	608.847	45.72	-12.60	46.0	0.28	Peak	148.30	100	Horizontal	N/A
3*	608.847	44.82	-12.60	46.0	1.18	QP	148.30	100	Horizontal	Pass
4	741.252	45.10	-9.26	46.0	0.90	Peak	293.10	100	Horizontal	N/A
4*	741.252	44.48	-9.26	46.0	1.52	QP	293.10	100	Horizontal	Pass
5	767.685	45.06	-8.89	46.0	0.94	Peak	278.20	100	Horizontal	N/A
5*	767.685	44.38	-8.89	46.0	1.62	QP	278.20	100	Horizontal	Pass
6	847.080	46.10	-7.31	46.0	-0.10	Peak	245.00	100	Horizontal	N/A
6*	847.080	44.77	-7.31	46.0	1.23	QP	245.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC Part 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	156.730	37.23	-27.97	43.5	6.27	Peak	154.40	100	Vertical	Pass
2	344.134	38.12	-19.47	46.0	7.88	Peak	274.30	100	Vertical	Pass
3	450.010	39.65	-17.25	46.0	6.35	Peak	234.50	100	Vertical	Pass
4	555.934	39.32	-14.34	46.0	6.68	Peak	32.80	100	Vertical	Pass
5	608.847	39.53	-12.60	46.0	6.47	Peak	265.50	100	Vertical	Pass
6	661.810	39.62	-11.61	46.0	6.38	Peak	242.80	100	Vertical	Pass

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

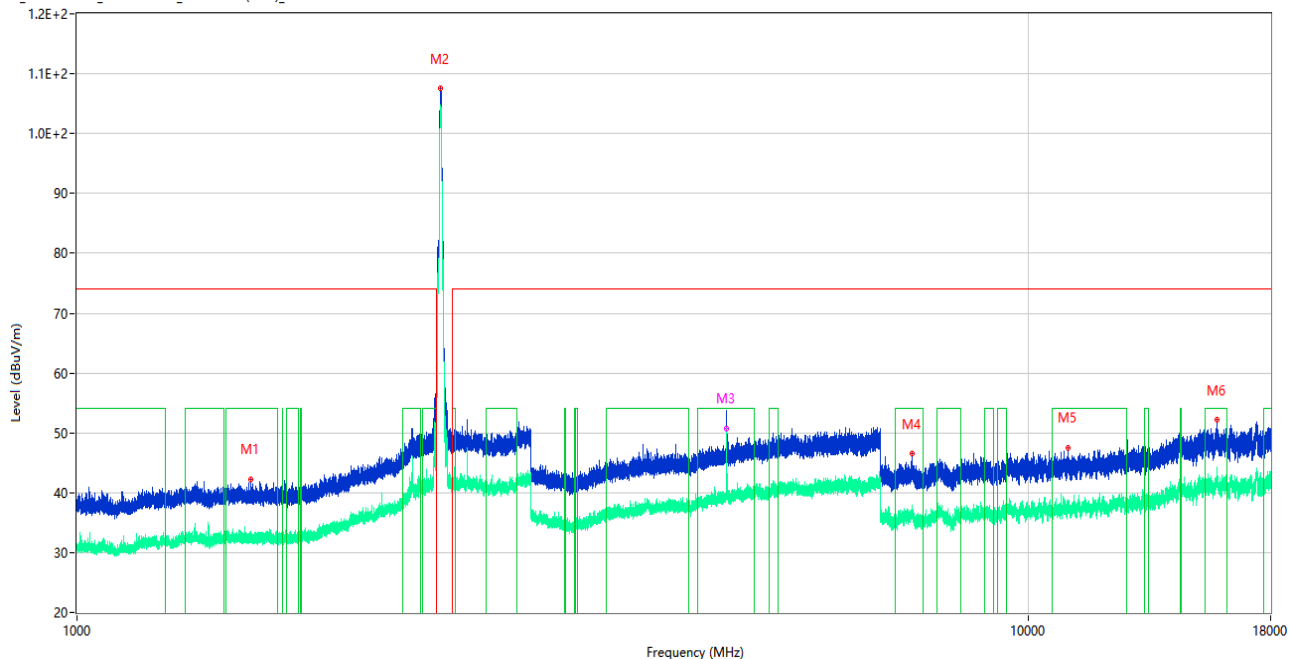
Note²: The spurious above 18G is noise only, do not show on the report.

Note³: All antenna were pre tested, but only the worst case has been reported in this report.

ANT1

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

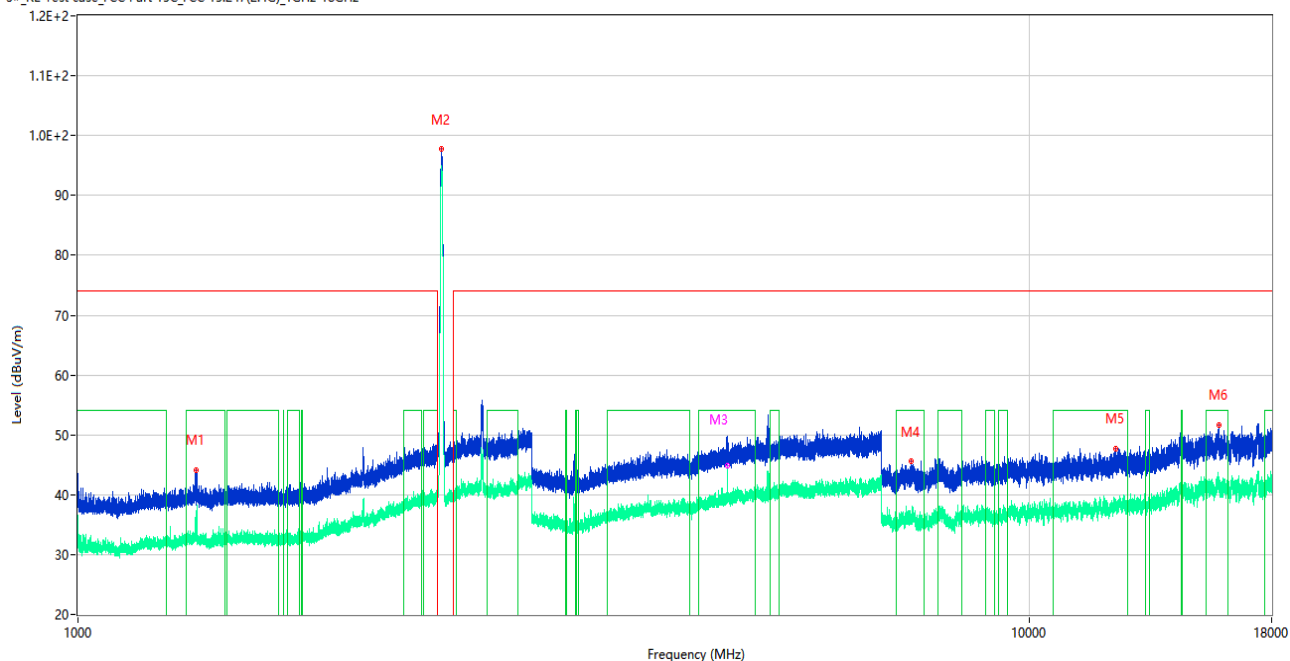
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1524.200	42.27	74.0	31.73	Peak	0.00	300	Horizontal	Pass
1**	1524.200	32.93	54.0	21.07	AV	0.00	300	Horizontal	Pass
2	2412.000	107.55	--	--	Peak	253.00	200	Horizontal	N/A
2**	2412.000	103.70	--	--	AV	253.00	200	Horizontal	N/A
3	4824.200	53.50	74.0	20.50	Peak	290.00	150	Horizontal	Pass
3**	4824.200	50.75	54.0	3.25	AV	290.00	150	Horizontal	Pass
4	7552.862	46.47	74.0	27.53	Peak	50.00	200	Horizontal	Pass
4**	7552.862	36.87	54.0	17.13	AV	50.00	200	Horizontal	Pass
5	11023.275	47.50	74.0	26.50	Peak	360.00	100	Horizontal	Pass
5**	11023.275	37.86	54.0	16.14	AV	360.00	100	Horizontal	Pass
6	15799.987	52.18	74.0	21.82	Peak	57.00	300	Horizontal	Pass
6**	15799.987	42.47	54.0	11.53	AV	57.00	300	Horizontal	Pass

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

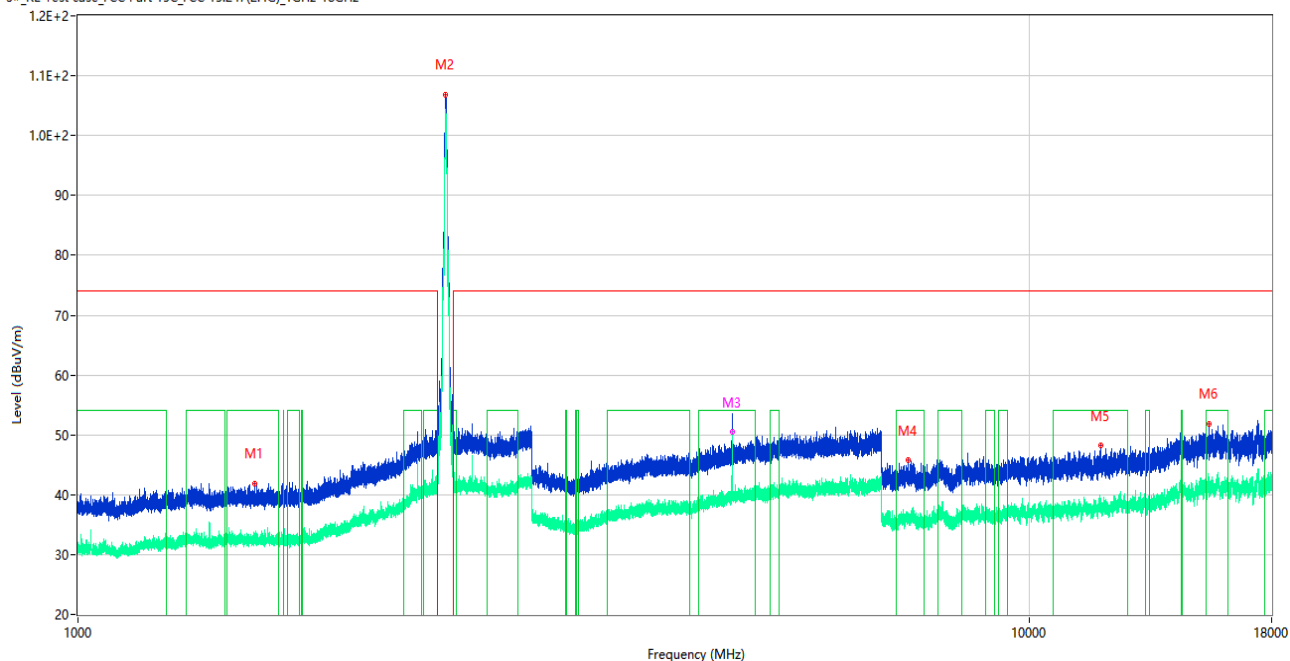
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.800	44.16	74.0	29.84	Peak	111.00	400	Vertical	Pass
1**	1329.800	32.65	54.0	21.35	AV	111.00	400	Vertical	Pass
2	2413.100	97.76	--	--	Peak	65.00	200	Vertical	N/A
2**	2413.100	94.94	--	--	AV	65.00	200	Vertical	N/A
3	4824.200	48.67	74.0	25.33	Peak	262.00	150	Vertical	Pass
3**	4824.200	44.87	54.0	9.13	AV	262.00	150	Vertical	Pass
4	7528.138	45.60	74.0	28.40	Peak	294.00	200	Vertical	Pass
4**	7528.138	36.83	54.0	17.17	AV	294.00	200	Vertical	Pass
5	12337.438	47.73	74.0	26.27	Peak	259.00	100	Vertical	Pass
5**	12337.438	37.67	54.0	16.33	AV	259.00	100	Vertical	Pass
6	15846.450	51.60	74.0	22.40	Peak	232.00	150	Vertical	Pass
6**	15846.450	41.55	54.0	12.45	AV	232.00	150	Vertical	Pass

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

3#_RE Test case_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	1534.200	41.94	74.0	32.06	Peak	163.00	400	Horizontal	Pass
1**	1534.200	31.94	54.0	22.06	AV	163.00	400	Horizontal	Pass
2	2435.900	106.81	--	--	Peak	263.00	150	Horizontal	N/A
2**	2435.900	104.28	--	--	AV	263.00	150	Horizontal	N/A
3	4874.000	53.43	74.0	20.57	Peak	305.00	150	Horizontal	Pass
3**	4874.000	50.48	54.0	3.52	AV	305.00	150	Horizontal	Pass
4	7465.175	45.72	74.0	28.28	Peak	360.00	400	Horizontal	Pass
4**	7465.175	35.82	54.0	18.18	AV	360.00	400	Horizontal	Pass
5	11893.826	48.21	74.0	25.79	Peak	329.00	200	Horizontal	Pass
5**	11893.826	38.57	54.0	15.43	AV	329.00	200	Horizontal	Pass
6	15455.849	51.91	74.0	22.09	Peak	16.00	400	Horizontal	Pass
6**	15455.849	41.84	54.0	12.16	AV	16.00	400	Horizontal	Pass

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

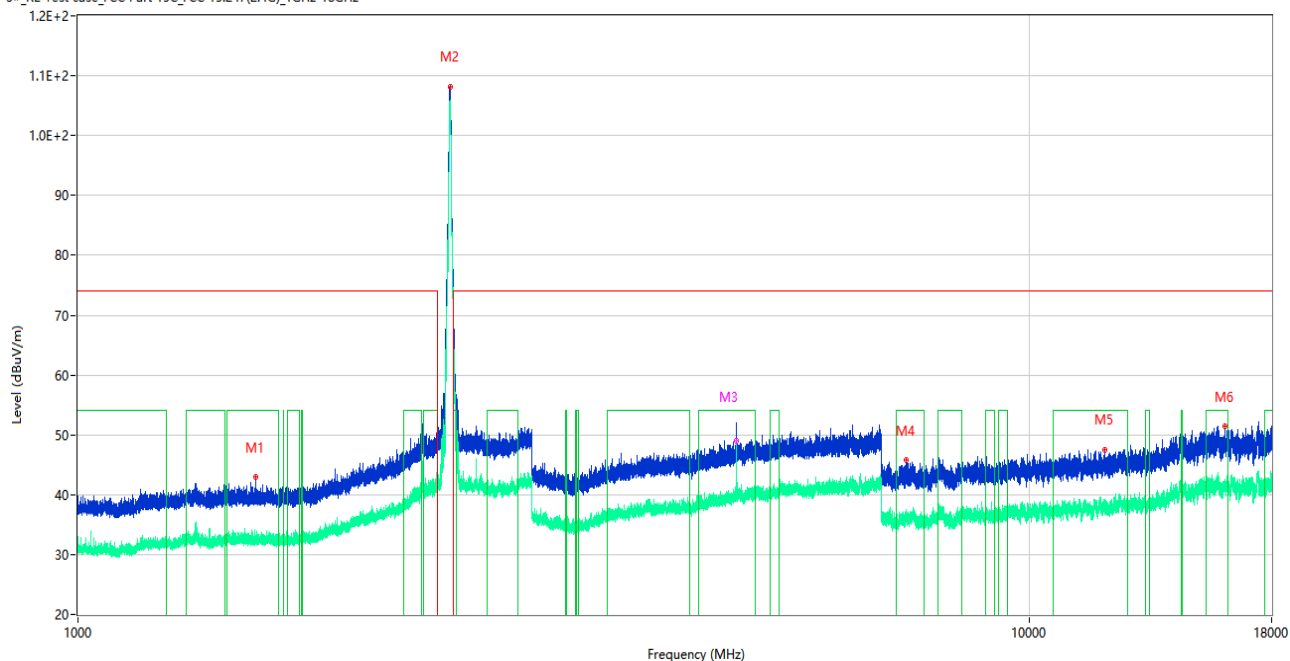
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.000	43.95	74.0	30.05	Peak	113.00	100	Vertical	Pass
1**	1332.000	33.89	54.0	20.11	AV	113.00	100	Vertical	Pass
2	2437.000	97.89	--	--	Peak	235.00	100	Vertical	N/A
2**	2437.000	93.35	--	--	AV	235.00	100	Vertical	N/A
3	4874.000	50.01	74.0	23.99	Peak	360.00	100	Vertical	Pass
3**	4874.000	46.02	54.0	7.98	AV	360.00	100	Vertical	Pass
4	7318.550	45.28	74.0	28.72	Peak	0.00	100	Vertical	Pass
4**	7318.550	36.13	54.0	17.87	AV	0.00	100	Vertical	Pass
5	11990.713	48.49	74.0	25.51	Peak	243.00	100	Vertical	Pass
5**	11990.713	38.14	54.0	15.86	AV	243.00	100	Vertical	Pass
6	15793.162	51.30	74.0	22.70	Peak	170.00	400	Vertical	Pass
6**	15793.162	42.79	54.0	11.21	AV	170.00	400	Vertical	Pass

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

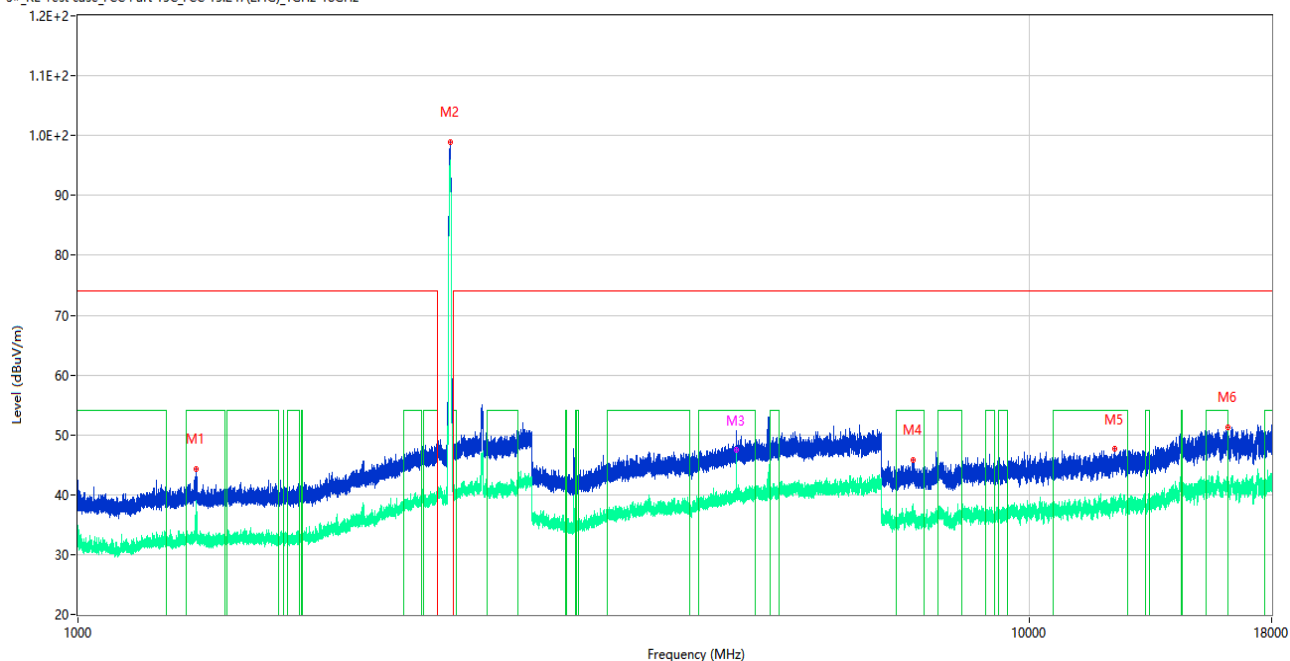
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1536.600	42.95	74.0	31.05	Peak	317.00	300	Horizontal	Pass
1**	1536.600	32.36	54.0	21.64	AV	317.00	300	Horizontal	Pass
2	2462.000	108.18	--	--	Peak	254.00	200	Horizontal	N/A
2**	2462.000	104.46	--	--	AV	254.00	200	Horizontal	N/A
3	4924.000	51.90	74.0	22.10	Peak	253.00	150	Horizontal	Pass
3**	4924.000	49.07	54.0	4.93	AV	253.00	150	Horizontal	Pass
4	7427.225	45.78	74.0	28.22	Peak	172.00	400	Horizontal	Pass
4**	7427.225	36.56	54.0	17.44	AV	172.00	400	Horizontal	Pass
5	12005.088	47.54	74.0	26.46	Peak	68.00	100	Horizontal	Pass
5**	12005.088	38.18	54.0	15.82	AV	68.00	100	Horizontal	Pass
6	16076.137	51.38	74.0	22.62	Peak	227.00	400	Horizontal	Pass
6**	16076.137	41.60	54.0	12.40	AV	227.00	400	Horizontal	Pass

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

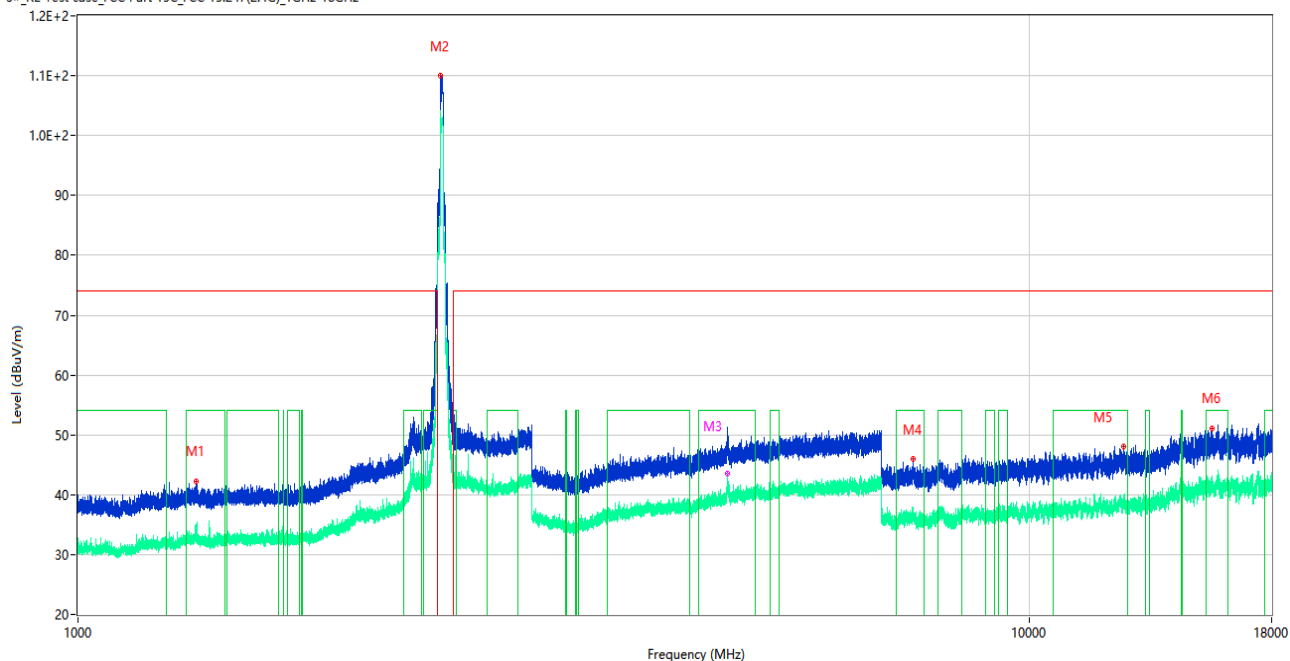
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.800	44.34	74.0	29.66	Peak	73.00	400	Vertical	Pass
1**	1332.800	37.65	54.0	16.35	AV	73.00	400	Vertical	Pass
2	2462.100	98.92	--	--	Peak	216.00	150	Vertical	N/A
2**	2462.100	94.12	--	--	AV	216.00	150	Vertical	N/A
3	4924.400	50.32	74.0	23.68	Peak	212.00	150	Vertical	Pass
3**	4924.400	47.41	54.0	6.59	AV	212.00	150	Vertical	Pass
4	7547.975	45.80	74.0	28.20	Peak	224.00	400	Vertical	Pass
4**	7547.975	36.68	54.0	17.32	AV	224.00	400	Vertical	Pass
5	12321.338	47.61	74.0	26.39	Peak	275.00	150	Vertical	Pass
5**	12321.338	38.10	54.0	15.90	AV	275.00	150	Vertical	Pass
6	16193.738	51.28	74.0	22.72	Peak	92.00	300	Vertical	Pass
6**	16193.738	42.55	54.0	11.45	AV	92.00	300	Vertical	Pass

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

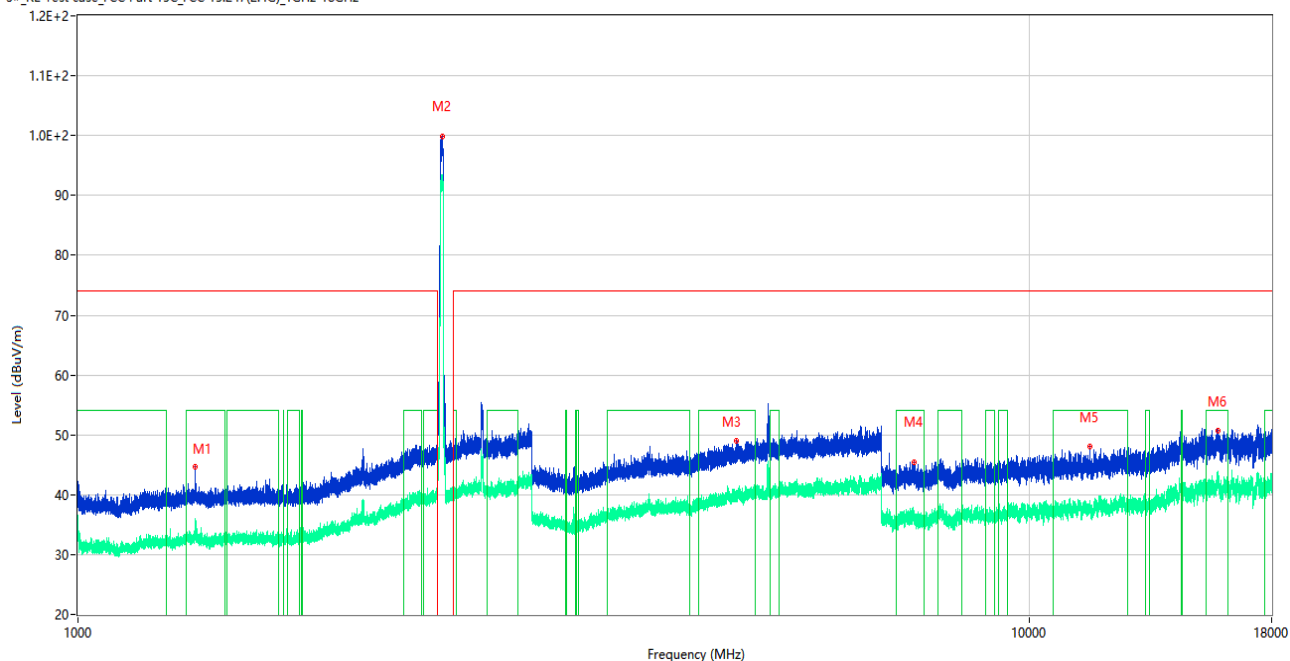
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.500	42.23	74.0	31.77	Peak	360.00	100	Horizontal	Pass
1**	1331.500	32.62	54.0	21.38	AV	360.00	100	Horizontal	Pass
2	2404.600	109.93	--	--	Peak	247.00	100	Horizontal	N/A
2**	2404.600	102.56	--	--	AV	247.00	100	Horizontal	N/A
3	4823.000	48.42	74.0	25.58	Peak	234.00	150	Horizontal	Pass
3**	4823.000	43.52	54.0	10.48	AV	234.00	150	Horizontal	Pass
4	7564.362	45.98	74.0	28.02	Peak	313.00	200	Horizontal	Pass
4**	7564.362	36.28	54.0	17.72	AV	313.00	200	Horizontal	Pass
5	12575.487	48.05	74.0	25.95	Peak	157.00	150	Horizontal	Pass
5**	12575.487	39.08	54.0	14.92	AV	157.00	150	Horizontal	Pass
6	15563.213	51.13	74.0	22.87	Peak	35.00	400	Horizontal	Pass
6**	15563.213	40.93	54.0	13.07	AV	35.00	400	Horizontal	Pass

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

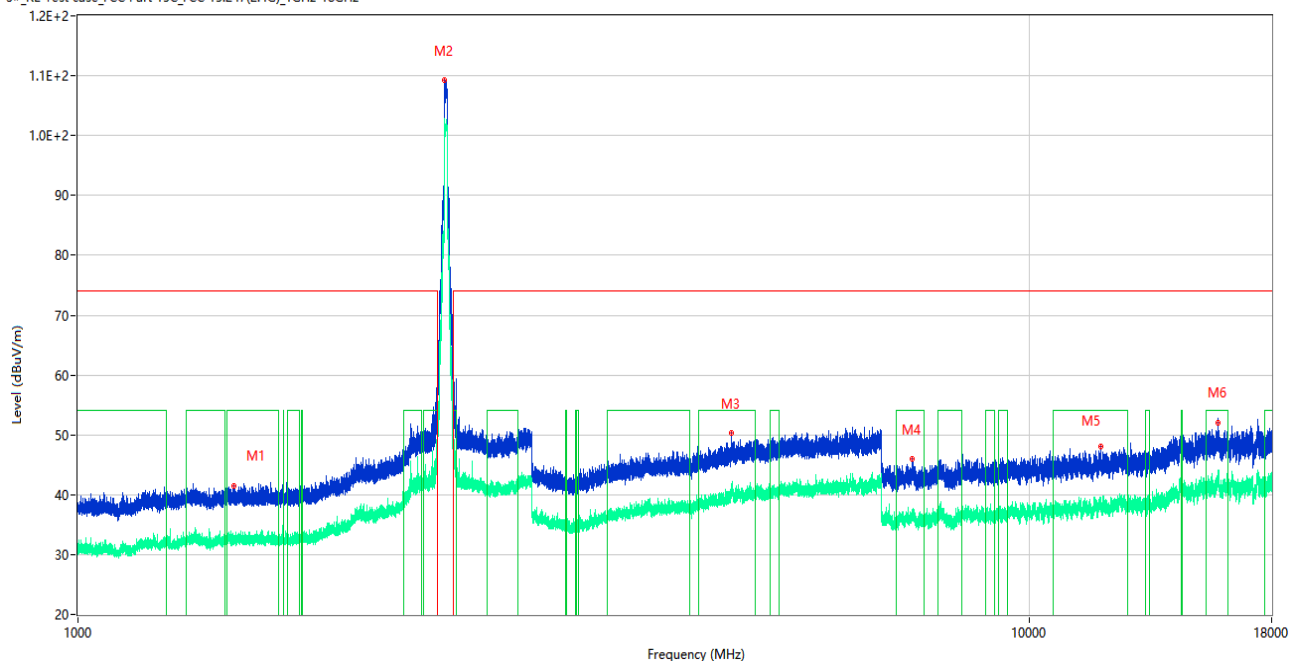
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.200	44.73	74.0	29.27	Peak	100.00	300	Vertical	Pass
1**	1327.200	36.10	54.0	17.90	AV	100.00	300	Vertical	Pass
2	2414.200	99.92	--	--	Peak	55.00	150	Vertical	N/A
2**	2414.200	92.42	--	--	AV	55.00	150	Vertical	N/A
3	4922.000	49.06	74.0	24.94	Peak	122.00	200	Vertical	Pass
3**	4922.000	39.66	54.0	14.34	AV	122.00	200	Vertical	Pass
4	7577.587	45.41	74.0	28.59	Peak	241.00	100	Vertical	Pass
4**	7577.587	36.88	54.0	17.12	AV	241.00	100	Vertical	Pass
5	11589.650	48.01	74.0	25.99	Peak	224.00	200	Vertical	Pass
5**	11589.650	36.96	54.0	17.04	AV	224.00	200	Vertical	Pass
6	15800.250	50.62	74.0	23.38	Peak	16.00	150	Vertical	Pass
6**	15800.250	43.35	54.0	10.65	AV	16.00	150	Vertical	Pass

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

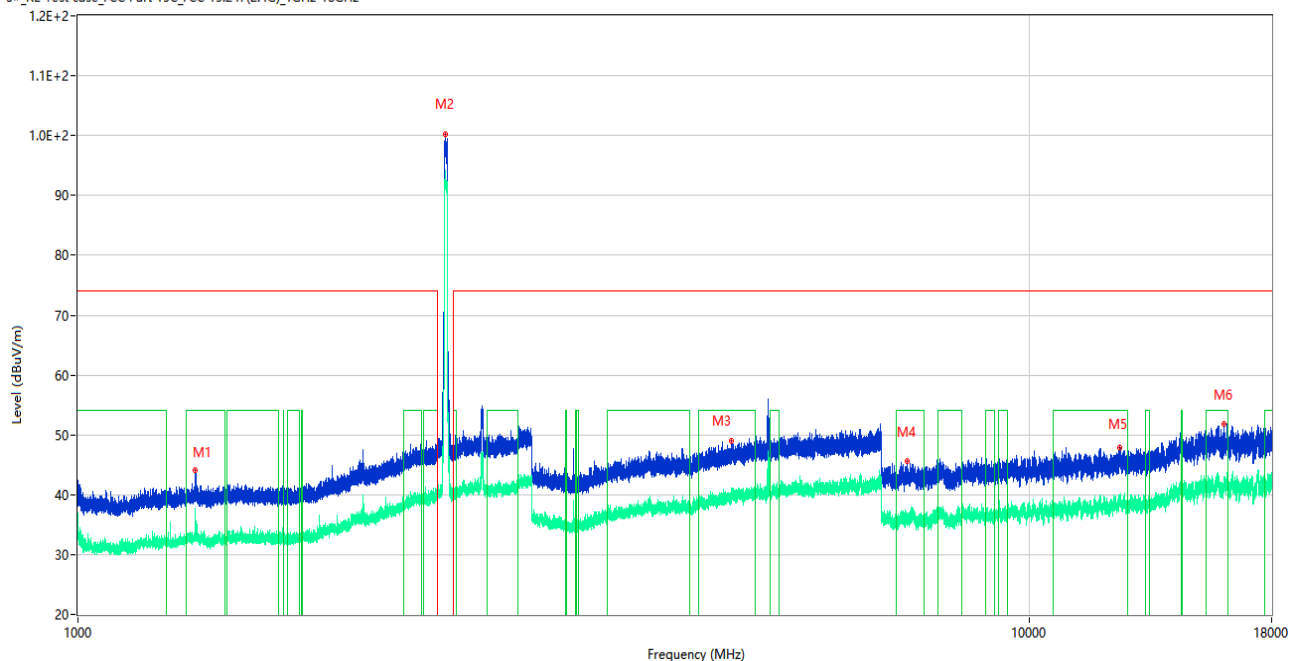
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1457.100	41.38	74.0	32.62	Peak	342.00	150	Horizontal	Pass
1**	1457.100	32.42	54.0	21.58	AV	342.00	150	Horizontal	Pass
2	2430.600	109.25	--	--	Peak	256.00	200	Horizontal	N/A
2**	2430.600	102.33	--	--	AV	256.00	200	Horizontal	N/A
3	4869.400	50.23	74.0	23.77	Peak	289.00	150	Horizontal	Pass
3**	4869.400	40.39	54.0	13.61	AV	289.00	150	Horizontal	Pass
4	7543.950	45.90	74.0	28.10	Peak	347.00	300	Horizontal	Pass
4**	7543.950	36.74	54.0	17.26	AV	347.00	300	Horizontal	Pass
5	11902.737	48.09	74.0	25.91	Peak	279.00	200	Horizontal	Pass
5**	11902.737	39.08	54.0	14.92	AV	279.00	200	Horizontal	Pass
6	15801.300	52.01	74.0	21.99	Peak	92.00	200	Horizontal	Pass
6**	15801.300	41.76	54.0	12.24	AV	92.00	200	Horizontal	Pass

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

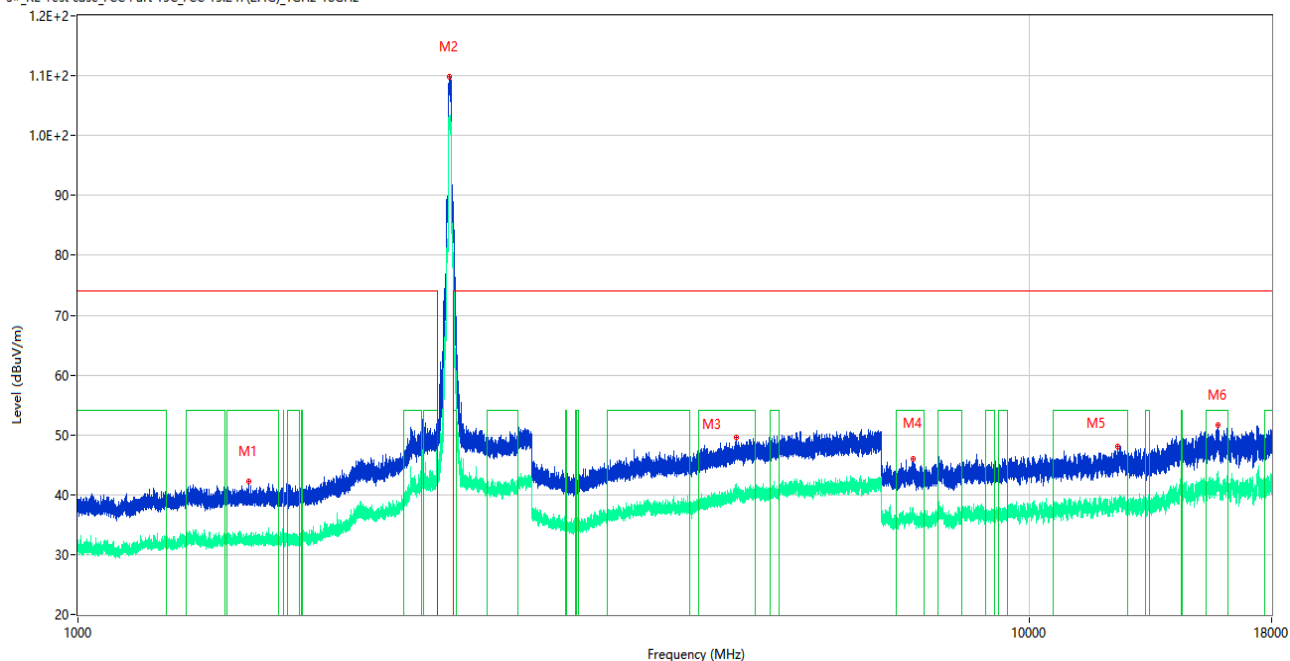
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.300	44.16	74.0	29.84	Peak	102.00	100	Vertical	Pass
1**	1327.300	33.93	54.0	20.07	AV	102.00	100	Vertical	Pass
2	2432.800	100.22	--	--	Peak	222.00	100	Vertical	N/A
2**	2432.800	91.93	--	--	AV	222.00	100	Vertical	N/A
3	4869.200	49.05	74.0	24.95	Peak	360.00	200	Vertical	Pass
3**	4869.200	39.50	54.0	14.50	AV	360.00	200	Vertical	Pass
4	7446.488	45.59	74.0	28.41	Peak	68.00	300	Vertical	Pass
4**	7446.488	36.11	54.0	17.89	AV	68.00	300	Vertical	Pass
5	12452.437	47.95	74.0	26.05	Peak	33.00	200	Vertical	Pass
5**	12452.437	39.33	54.0	14.67	AV	33.00	200	Vertical	Pass
6	16027.312	51.74	74.0	22.26	Peak	55.00	150	Vertical	Pass
6**	16027.312	40.91	54.0	13.09	AV	55.00	150	Vertical	Pass

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

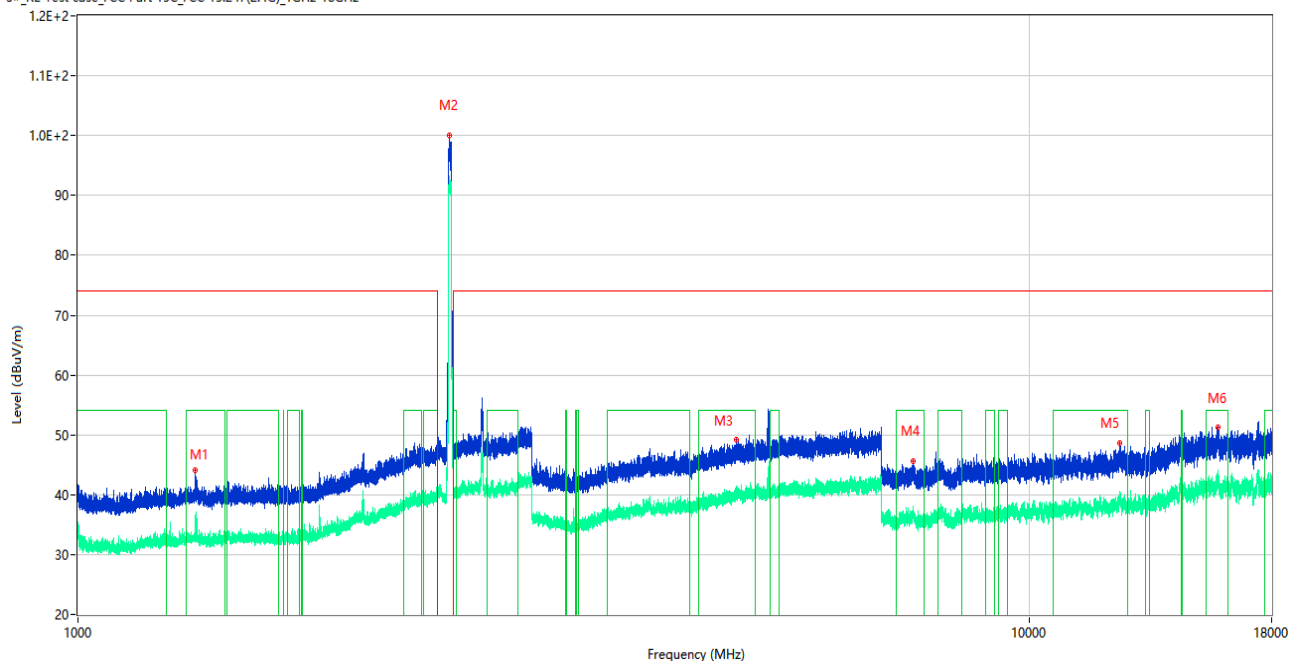
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.500	42.22	74.0	31.78	Peak	360.00	200	Horizontal	Pass
1**	1512.500	32.27	54.0	21.73	AV	360.00	200	Horizontal	Pass
2	2455.600	109.85	--	--	Peak	244.00	100	Horizontal	N/A
2**	2455.600	102.94	--	--	AV	244.00	100	Horizontal	N/A
3	4922.600	49.60	74.0	24.40	Peak	87.00	150	Horizontal	Pass
3**	4922.600	40.23	54.0	13.77	AV	87.00	150	Horizontal	Pass
4	7549.700	45.96	74.0	28.04	Peak	295.00	100	Horizontal	Pass
4**	7549.700	37.94	54.0	16.06	AV	295.00	100	Horizontal	Pass
5	12392.925	48.15	74.0	25.85	Peak	105.00	200	Horizontal	Pass
5**	12392.925	38.42	54.0	15.58	AV	105.00	200	Horizontal	Pass
6	15804.713	51.56	74.0	22.44	Peak	146.00	150	Horizontal	Pass
6**	15804.713	42.62	54.0	11.38	AV	146.00	150	Horizontal	Pass

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

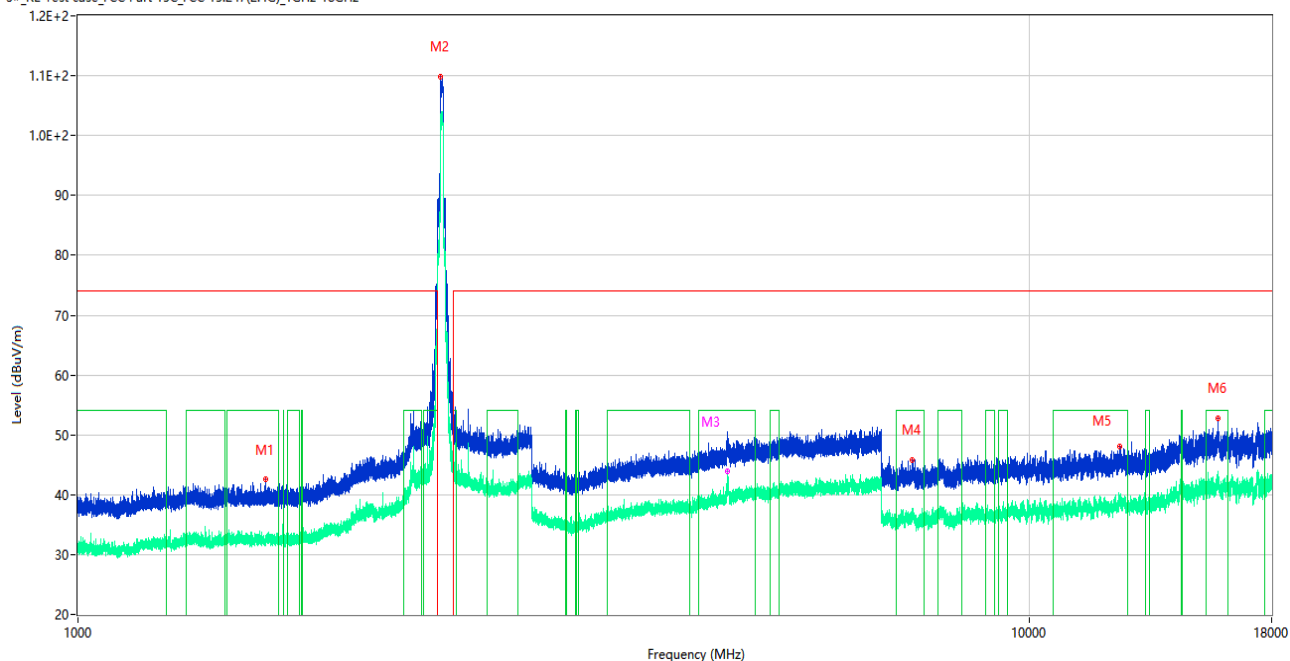
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.000	44.12	74.0	29.88	Peak	90.00	400	Vertical	Pass
1**	1327.000	32.79	54.0	21.21	AV	90.00	400	Vertical	Pass
2	2460.300	100.10	--	--	Peak	222.00	200	Vertical	N/A
2**	2460.300	92.85	--	--	AV	222.00	200	Vertical	N/A
3	4923.000	49.12	74.0	24.88	Peak	220.00	100	Vertical	Pass
3**	4923.000	40.20	54.0	13.80	AV	220.00	100	Vertical	Pass
4	7557.175	45.53	74.0	28.47	Peak	156.00	100	Vertical	Pass
4**	7557.175	36.64	54.0	17.36	AV	156.00	100	Vertical	Pass
5	12465.662	48.64	74.0	25.36	Peak	105.00	150	Vertical	Pass
5**	12465.662	39.52	54.0	14.48	AV	105.00	150	Vertical	Pass
6	15793.950	51.32	74.0	22.68	Peak	35.00	150	Vertical	Pass
6**	15793.950	43.25	54.0	10.75	AV	35.00	150	Vertical	Pass

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

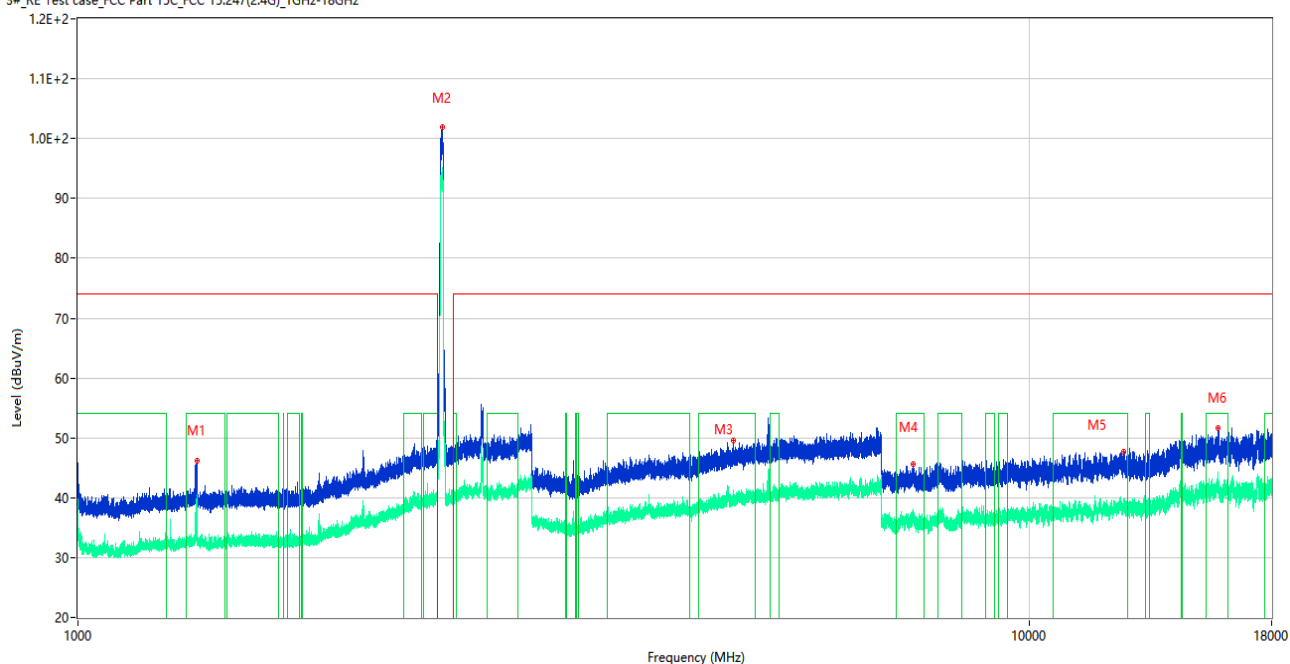
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.100	42.53	74.0	31.47	Peak	332.00	200	Horizontal	Pass
1**	1577.100	31.58	54.0	22.42	AV	332.00	200	Horizontal	Pass
2	2406.000	109.86	--	--	Peak	250.00	150	Horizontal	N/A
2**	2406.000	103.21	--	--	AV	250.00	150	Horizontal	N/A
3	4818.400	50.14	74.0	23.86	Peak	255.00	150	Horizontal	Pass
3**	4818.400	43.84	54.0	10.16	AV	255.00	150	Horizontal	Pass
4	7535.325	45.89	74.0	28.11	Peak	260.00	300	Horizontal	Pass
4**	7535.325	36.23	54.0	17.77	AV	260.00	300	Horizontal	Pass
5	12460.488	48.06	74.0	25.94	Peak	122.00	200	Horizontal	Pass
5**	12460.488	39.61	54.0	14.39	AV	122.00	200	Horizontal	Pass
6	15798.674	52.82	74.0	21.18	Peak	153.00	150	Horizontal	Pass
6**	15798.674	42.78	54.0	11.22	AV	153.00	150	Horizontal	Pass

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

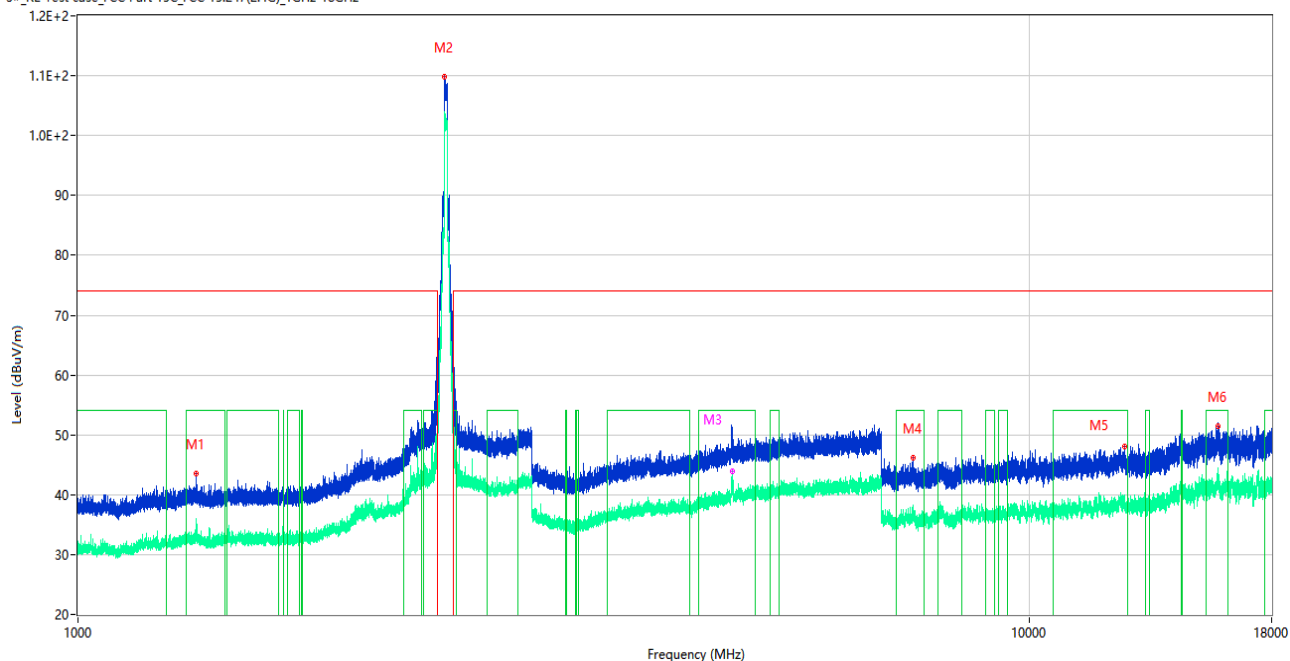
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.000	46.26	74.0	27.74	Peak	83.00	200	Vertical	Pass
1**	1333.000	32.68	54.0	21.32	AV	83.00	200	Vertical	Pass
2	2419.200	101.89	--	--	Peak	219.00	150	Vertical	N/A
2**	2419.200	94.31	--	--	AV	219.00	150	Vertical	N/A
3	4894.400	49.62	74.0	24.38	Peak	360.00	100	Vertical	Pass
3**	4894.400	39.56	54.0	14.44	AV	360.00	100	Vertical	Pass
4	7564.650	45.59	74.0	28.41	Peak	223.00	300	Vertical	Pass
4**	7564.650	35.78	54.0	18.22	AV	223.00	300	Vertical	Pass
5	12567.725	47.61	74.0	26.39	Peak	172.00	100	Vertical	Pass
5**	12567.725	38.13	54.0	15.87	AV	172.00	100	Vertical	Pass
6	15799.463	51.61	74.0	22.39	Peak	170.00	150	Vertical	Pass
6**	15799.463	42.64	54.0	11.36	AV	170.00	150	Vertical	Pass

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

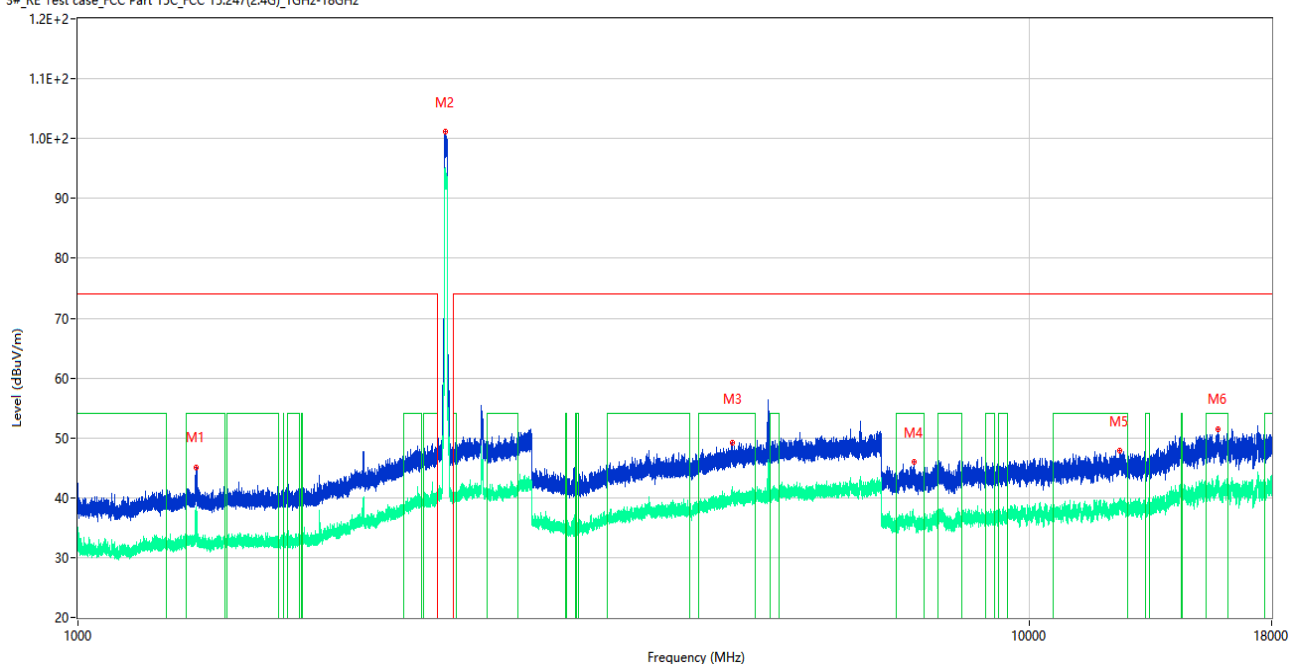
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.700	43.49	74.0	30.51	Peak	360.00	400	Horizontal	Pass
1**	1332.700	32.95	54.0	21.05	AV	360.00	400	Horizontal	Pass
2	2430.800	109.77	--	--	Peak	248.00	200	Horizontal	N/A
2**	2430.800	103.39	--	--	AV	248.00	200	Horizontal	N/A
3	4877.600	50.14	74.0	23.86	Peak	245.00	150	Horizontal	Pass
3**	4877.600	43.95	54.0	10.05	AV	245.00	150	Horizontal	Pass
4	7555.450	46.11	74.0	27.89	Peak	360.00	200	Horizontal	Pass
4**	7555.450	36.69	54.0	17.31	AV	360.00	200	Horizontal	Pass
5	12595.613	47.99	74.0	26.01	Peak	262.00	150	Horizontal	Pass
5**	12595.613	38.72	54.0	15.28	AV	262.00	150	Horizontal	Pass
6	15801.300	51.45	74.0	22.55	Peak	87.00	150	Horizontal	Pass
6**	15801.300	42.31	54.0	11.69	AV	87.00	150	Horizontal	Pass

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

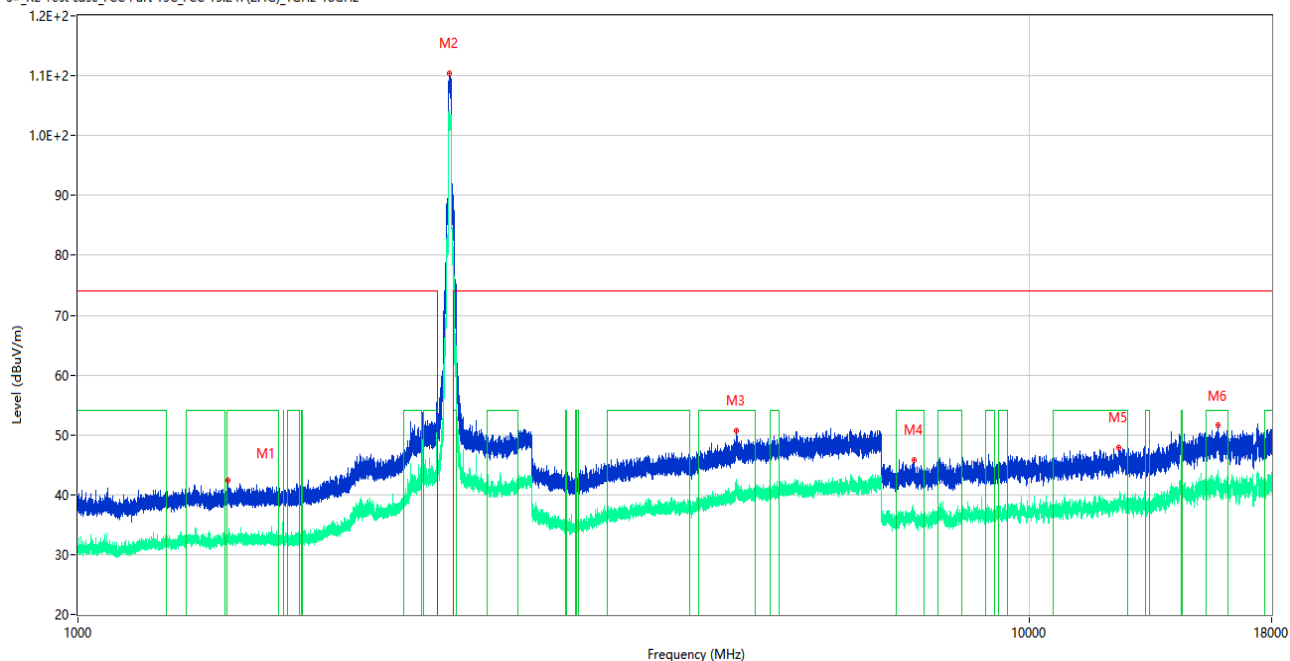
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.500	45.05	74.0	28.95	Peak	94.00	400	Vertical	Pass
1**	1330.500	34.88	54.0	19.12	AV	94.00	400	Vertical	Pass
2	2432.100	101.10	--	--	Peak	221.00	200	Vertical	N/A
2**	2432.100	93.16	--	--	AV	221.00	200	Vertical	N/A
3	4871.800	49.25	74.0	24.75	Peak	178.00	100	Vertical	Pass
3**	4871.800	39.88	54.0	14.12	AV	178.00	100	Vertical	Pass
4	7566.663	45.92	74.0	28.08	Peak	261.00	200	Vertical	Pass
4**	7566.663	36.33	54.0	17.67	AV	261.00	200	Vertical	Pass
5	12448.412	47.84	74.0	26.16	Peak	126.00	100	Vertical	Pass
5**	12448.412	39.51	54.0	14.49	AV	126.00	100	Vertical	Pass
6	15793.950	51.45	74.0	22.55	Peak	54.00	400	Vertical	Pass
6**	15793.950	42.70	54.0	11.30	AV	54.00	400	Vertical	Pass

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

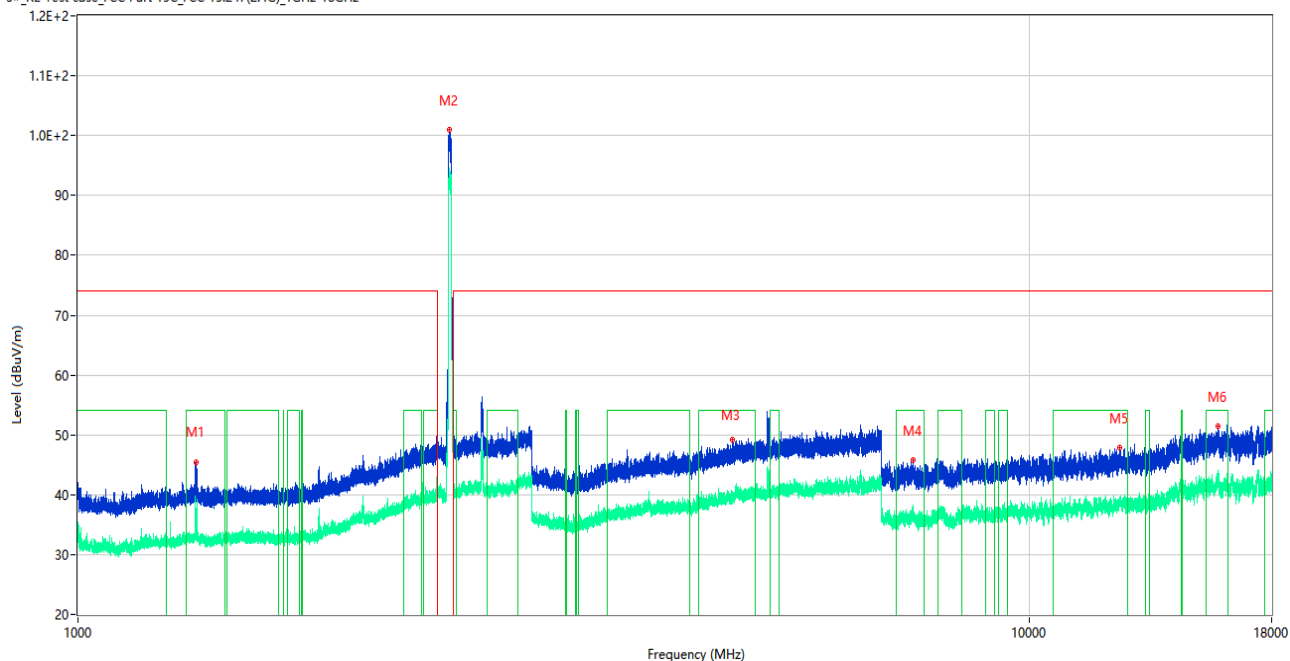
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.000	42.35	74.0	31.65	Peak	34.00	100	Horizontal	Pass
1**	1439.000	32.09	54.0	21.91	AV	34.00	100	Horizontal	Pass
2	2456.100	110.41	--	--	Peak	253.00	150	Horizontal	N/A
2**	2456.100	102.67	--	--	AV	253.00	150	Horizontal	N/A
3	4921.200	50.73	74.0	23.27	Peak	77.00	150	Horizontal	Pass
3**	4921.200	40.36	54.0	13.64	AV	77.00	150	Horizontal	Pass
4	7571.837	45.87	74.0	28.13	Peak	71.00	200	Horizontal	Pass
4**	7571.837	36.37	54.0	17.63	AV	71.00	200	Horizontal	Pass
5	12436.338	47.87	74.0	26.13	Peak	88.00	200	Horizontal	Pass
5**	12436.338	38.04	54.0	15.96	AV	88.00	200	Horizontal	Pass
6	15797.100	51.61	74.0	22.39	Peak	150.00	150	Horizontal	Pass
6**	15797.100	42.47	54.0	11.53	AV	150.00	150	Horizontal	Pass

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

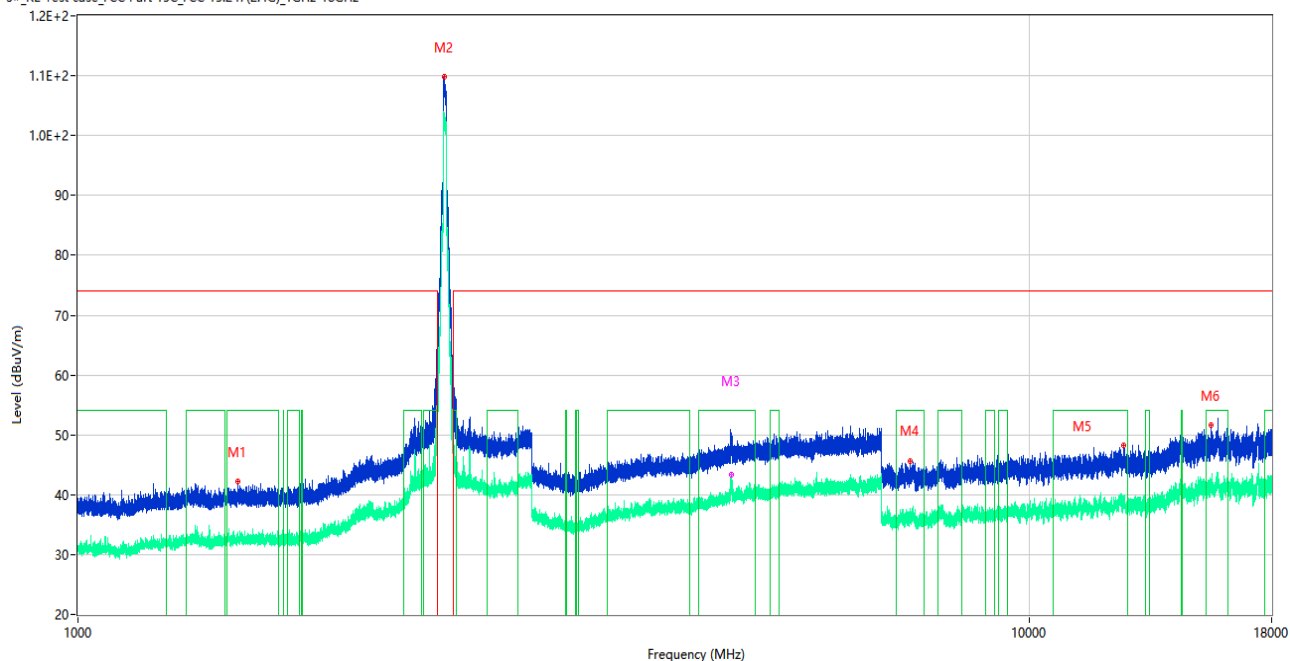
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.400	45.42	74.0	28.58	Peak	91.00	100	Vertical	Pass
1**	1331.400	37.00	54.0	17.00	AV	91.00	100	Vertical	Pass
2	2459.900	100.89	--	--	Peak	216.00	100	Vertical	N/A
2**	2459.900	93.37	--	--	AV	216.00	100	Vertical	N/A
3	4880.400	49.13	74.0	24.87	Peak	335.00	200	Vertical	Pass
3**	4880.400	40.45	54.0	13.55	AV	335.00	200	Vertical	Pass
4	7556.600	45.78	74.0	28.22	Peak	140.00	200	Vertical	Pass
4**	7556.600	37.35	54.0	16.65	AV	140.00	200	Vertical	Pass
5	12447.263	47.79	74.0	26.21	Peak	71.00	200	Vertical	Pass
5**	12447.263	39.54	54.0	14.46	AV	71.00	200	Vertical	Pass
6	15793.950	51.49	74.0	22.51	Peak	16.00	150	Vertical	Pass
6**	15793.950	43.21	54.0	10.79	AV	16.00	150	Vertical	Pass

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

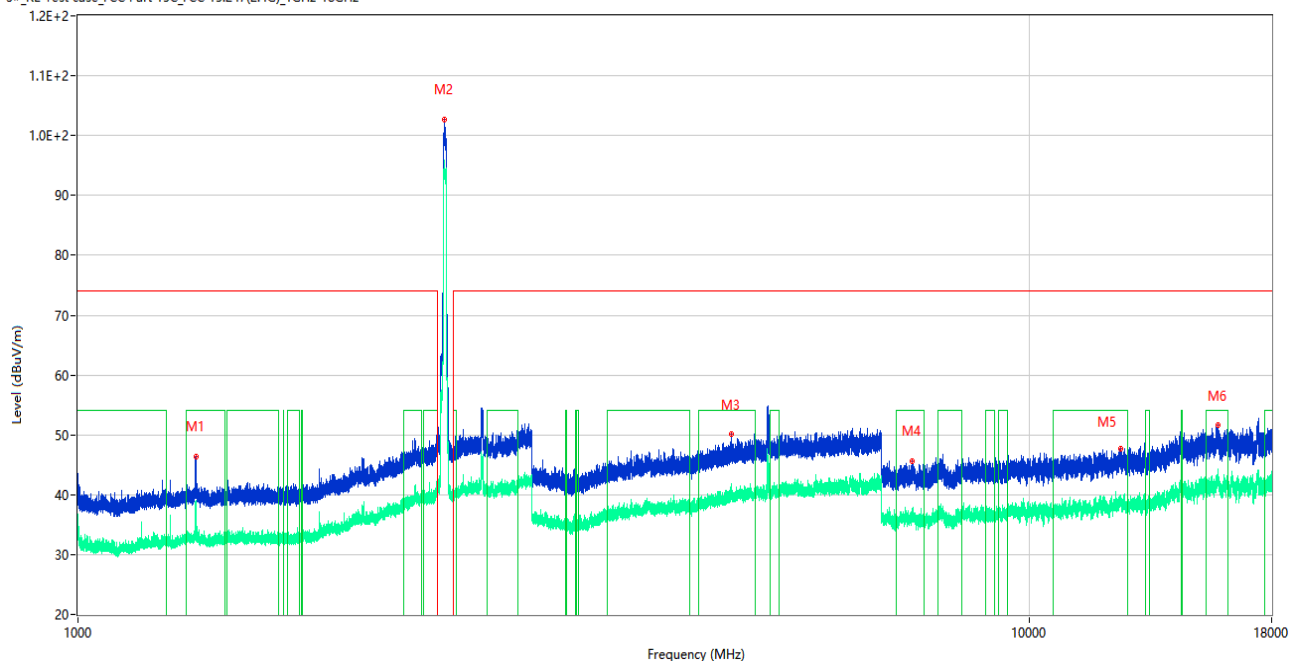
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1472.500	42.17	74.0	31.83	Peak	26.00	300	Horizontal	Pass
1**	1472.500	32.87	54.0	21.13	AV	26.00	300	Horizontal	Pass
2	2428.400	109.79	--	--	Peak	44.00	100	Horizontal	N/A
2**	2428.400	102.17	--	--	AV	44.00	100	Horizontal	N/A
3	4861.000	48.80	74.0	25.20	Peak	256.00	150	Horizontal	Pass
3**	4861.000	43.35	54.0	10.65	AV	256.00	150	Horizontal	Pass
4	7501.112	45.63	74.0	28.37	Peak	54.00	200	Horizontal	Pass
4**	7501.112	35.99	54.0	18.01	AV	54.00	200	Horizontal	Pass
5	12588.137	48.30	74.0	25.70	Peak	360.00	100	Horizontal	Pass
5**	12588.137	38.61	54.0	15.39	AV	360.00	100	Horizontal	Pass
6	15549.300	51.59	74.0	22.41	Peak	35.00	400	Horizontal	Pass
6**	15549.300	40.39	54.0	13.61	AV	35.00	400	Horizontal	Pass

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

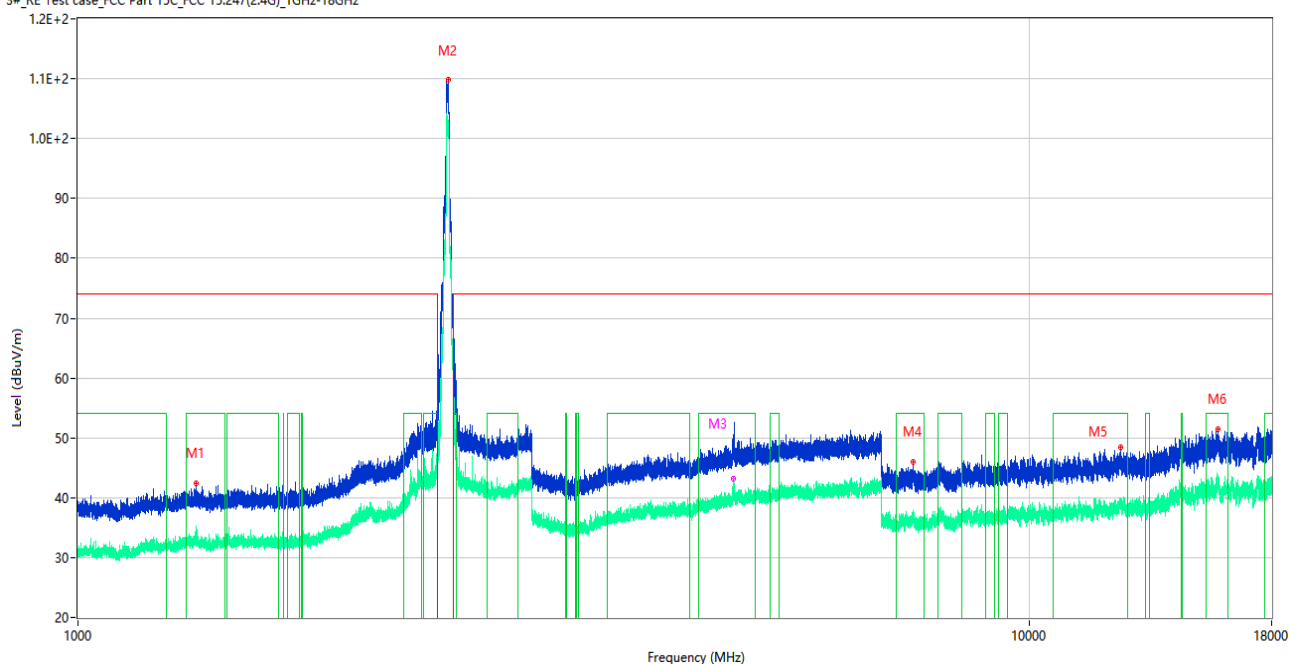
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.800	46.46	74.0	27.54	Peak	88.00	200	Vertical	Pass
1**	1329.800	36.42	54.0	17.58	AV	88.00	200	Vertical	Pass
2	2430.400	102.70	--	--	Peak	223.00	200	Vertical	N/A
2**	2430.400	95.11	--	--	AV	223.00	200	Vertical	N/A
3	4866.200	50.11	74.0	23.89	Peak	141.00	200	Vertical	Pass
3**	4866.200	40.55	54.0	13.45	AV	141.00	200	Vertical	Pass
4	7541.362	45.65	74.0	28.35	Peak	175.00	400	Vertical	Pass
4**	7541.362	36.56	54.0	17.44	AV	175.00	400	Vertical	Pass
5	12479.462	47.77	74.0	26.23	Peak	312.00	150	Vertical	Pass
5**	12479.462	38.80	54.0	15.20	AV	312.00	150	Vertical	Pass
6	15808.125	51.61	74.0	22.39	Peak	264.00	400	Vertical	Pass
6**	15808.125	42.51	54.0	11.49	AV	264.00	400	Vertical	Pass

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

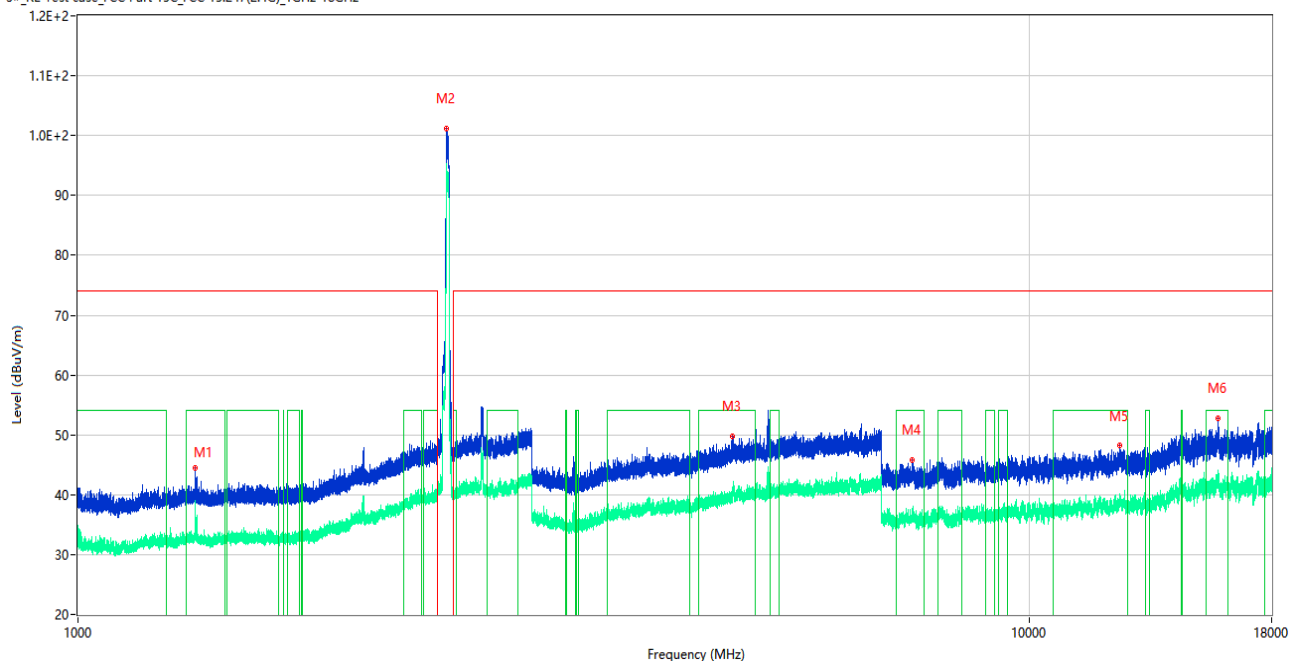
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.800	42.50	74.0	31.50	Peak	323.00	400	Horizontal	Pass
1**	1331.800	33.78	54.0	20.22	AV	323.00	400	Horizontal	Pass
2	2450.100	109.82	--	--	Peak	234.00	100	Horizontal	N/A
2**	2450.100	102.25	--	--	AV	234.00	100	Horizontal	N/A
3	4892.600	48.39	74.0	25.61	Peak	254.00	150	Horizontal	Pass
3**	4892.600	43.18	54.0	10.82	AV	254.00	150	Horizontal	Pass
4	7551.138	46.07	74.0	27.93	Peak	296.00	400	Horizontal	Pass
4**	7551.138	36.78	54.0	17.22	AV	296.00	400	Horizontal	Pass
5	12499.299	48.50	74.0	25.50	Peak	90.00	100	Horizontal	Pass
5**	12499.299	38.62	54.0	15.38	AV	90.00	100	Horizontal	Pass
6	15799.725	51.47	74.0	22.53	Peak	16.00	400	Horizontal	Pass
6**	15799.725	42.74	54.0	11.26	AV	16.00	400	Horizontal	Pass

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

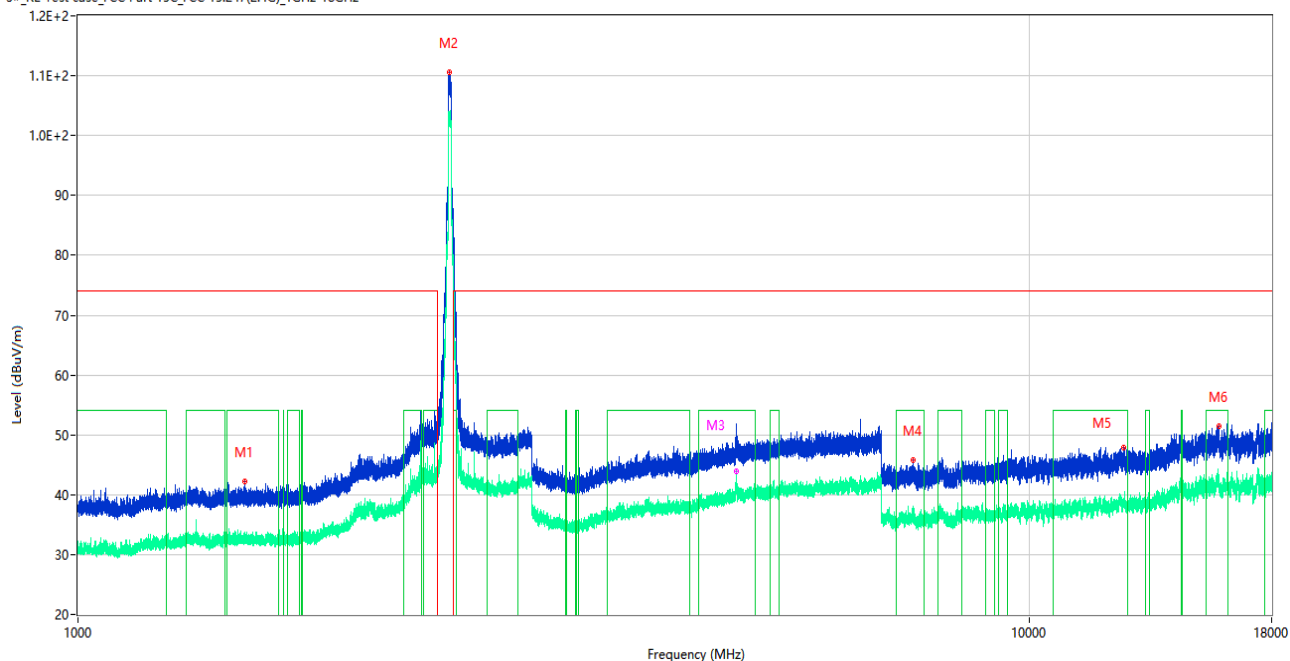
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.000	44.53	74.0	29.47	Peak	77.00	100	Vertical	Pass
1**	1329.000	35.77	54.0	18.23	AV	77.00	100	Vertical	Pass
2	2441.300	101.23	--	--	Peak	127.00	200	Vertical	N/A
2**	2441.300	93.20	--	--	AV	127.00	200	Vertical	N/A
3	4880.800	49.75	74.0	24.25	Peak	0.00	150	Vertical	Pass
3**	4880.800	39.67	54.0	14.33	AV	0.00	150	Vertical	Pass
4	7543.088	45.86	74.0	28.14	Peak	261.00	300	Vertical	Pass
4**	7543.088	36.76	54.0	17.24	AV	261.00	300	Vertical	Pass
5	12470.550	48.21	74.0	25.79	Peak	88.00	100	Vertical	Pass
5**	12470.550	39.67	54.0	14.33	AV	88.00	100	Vertical	Pass
6	15801.562	52.76	74.0	21.24	Peak	186.00	150	Vertical	Pass
6**	15801.562	43.06	54.0	10.94	AV	186.00	150	Vertical	Pass

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

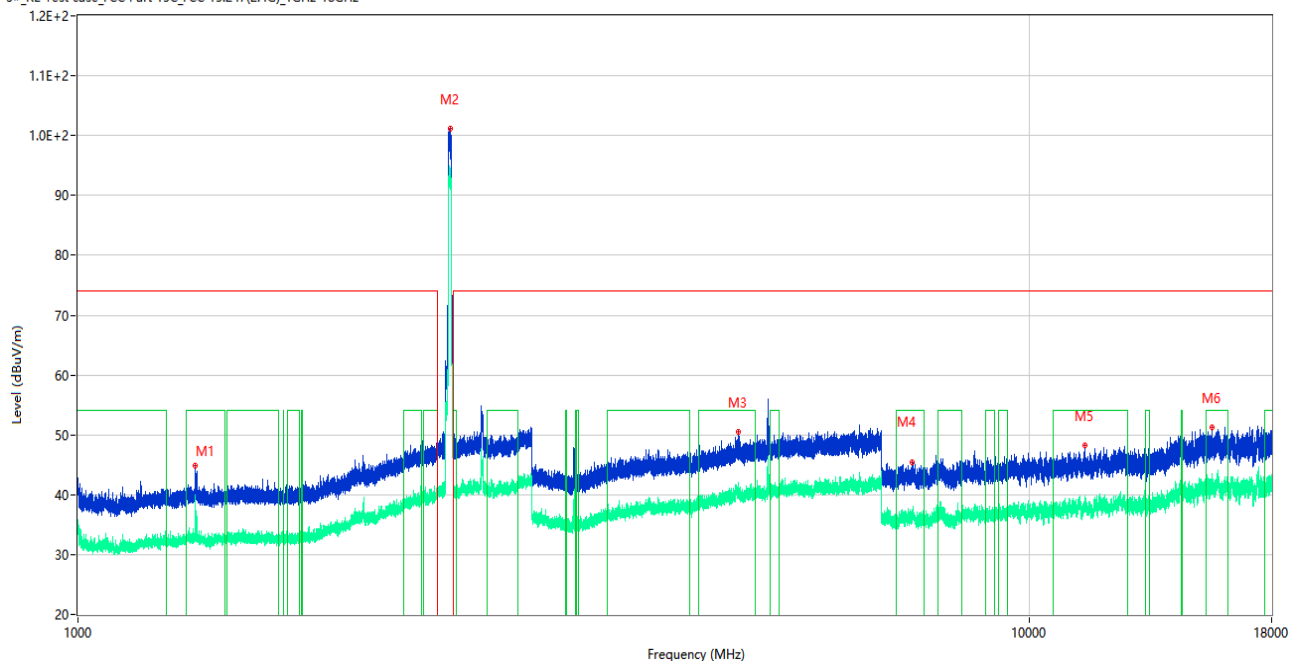
3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.800	42.15	74.0	31.85	Peak	80.00	300	Horizontal	Pass
1**	1498.800	32.14	54.0	21.86	AV	80.00	300	Horizontal	Pass
2	2455.800	110.54	--	--	Peak	259.00	150	Horizontal	N/A
2**	2455.800	102.70	--	--	AV	259.00	150	Horizontal	N/A
3	4924.000	46.72	74.0	27.28	Peak	257.00	150	Horizontal	Pass
3**	4924.000	43.89	54.0	10.11	AV	257.00	150	Horizontal	Pass
4	7547.975	45.74	74.0	28.26	Peak	327.00	400	Horizontal	Pass
4**	7547.975	36.81	54.0	17.19	AV	327.00	400	Horizontal	Pass
5	12587.563	47.90	74.0	26.10	Peak	360.00	150	Horizontal	Pass
5**	12587.563	38.74	54.0	15.26	AV	360.00	150	Horizontal	Pass
6	15838.312	51.42	74.0	22.58	Peak	109.00	150	Horizontal	Pass
6**	15838.312	42.21	54.0	11.79	AV	109.00	150	Horizontal	Pass

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

3#_RE Test case_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	1327.500	44.82	74.0	29.18	Peak	101.00	400	Vertical	Pass
1**	1327.500	32.71	54.0	21.29	AV	101.00	400	Vertical	Pass
2	2463.200	101.15	--	--	Peak	219.00	200	Vertical	N/A
2**	2463.200	93.55	--	--	AV	219.00	200	Vertical	N/A
3	4954.200	50.44	74.0	23.56	Peak	215.00	100	Vertical	Pass
3**	4954.200	41.45	54.0	12.55	AV	215.00	100	Vertical	Pass
4	7535.612	45.35	74.0	28.65	Peak	329.00	200	Vertical	Pass
4**	7535.612	36.83	54.0	17.17	AV	329.00	200	Vertical	Pass
5	11441.299	48.16	74.0	25.84	Peak	38.00	150	Vertical	Pass
5**	11441.299	38.17	54.0	15.83	AV	38.00	150	Vertical	Pass
6	15570.825	51.33	74.0	22.67	Peak	82.00	150	Vertical	Pass
6**	15570.825	41.96	54.0	12.04	AV	82.00	150	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 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, 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.

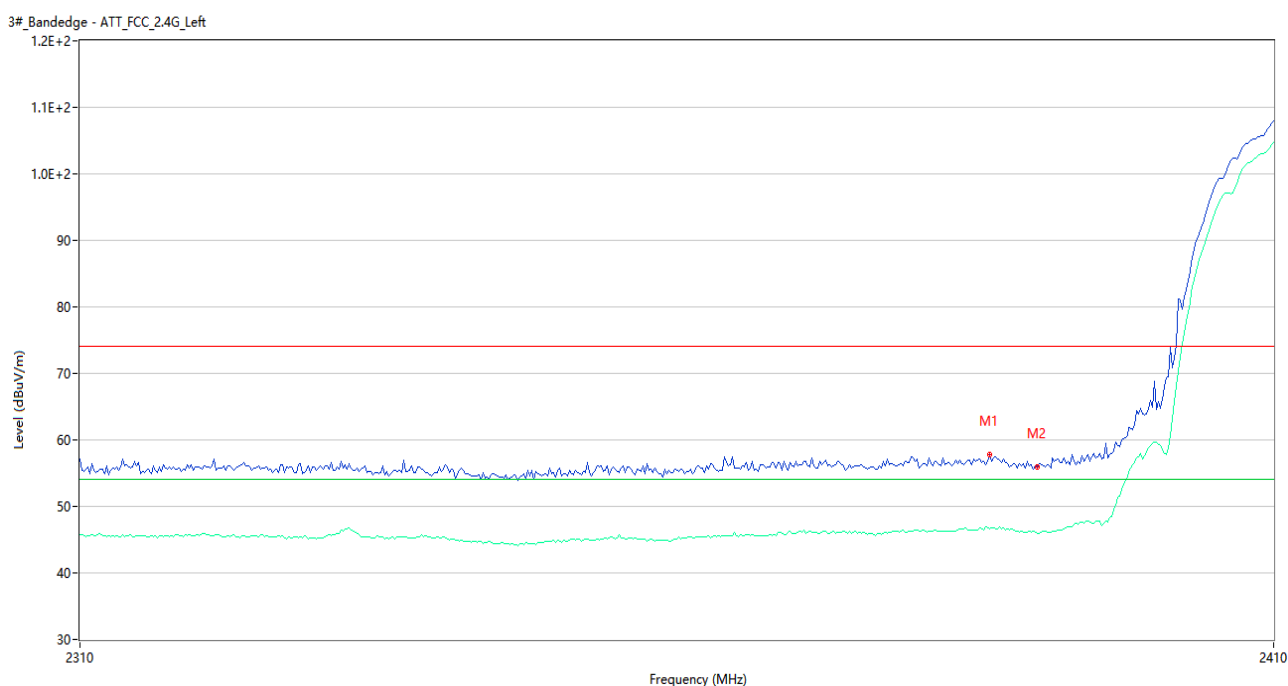
Note ⁴: All antenna were pre tested, but only the worst case has been reported in this report.

Note ⁵: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

Test Data and Plots

ANT1

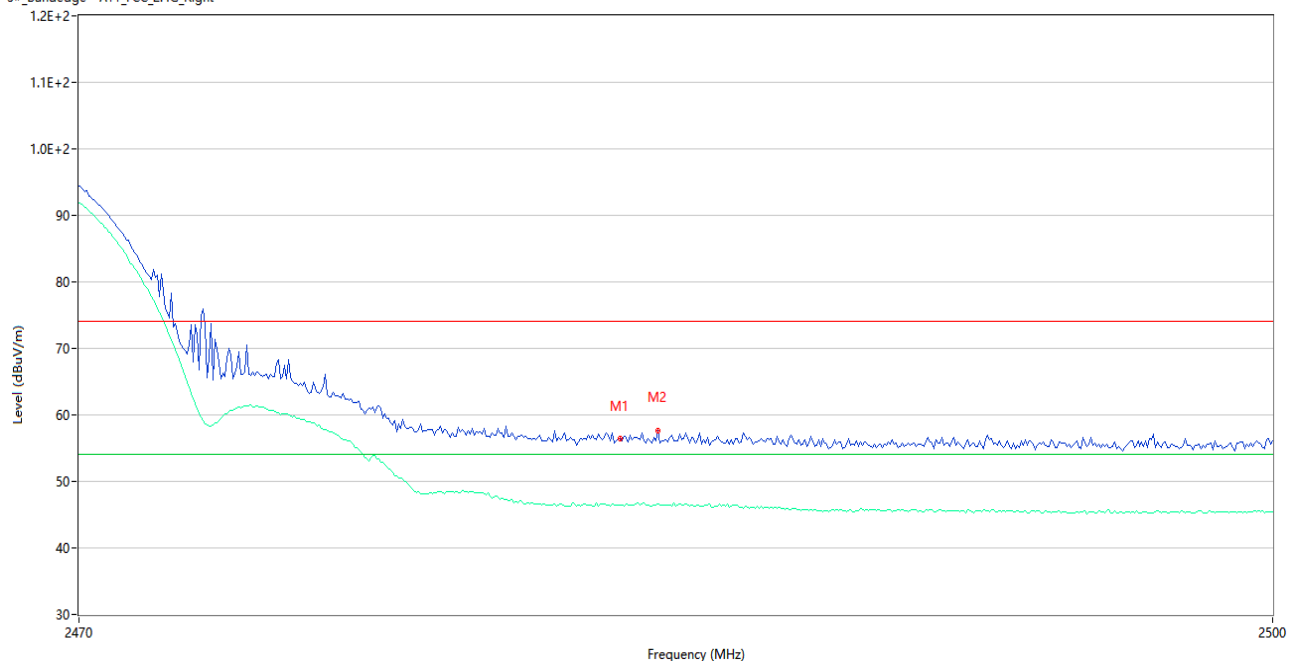
802.11b LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2385.833	57.84	74.0	16.16	Peak	250.00	150	Horizontal	Pass
1**	2385.833	46.68	54.0	7.32	AV	250.00	150	Horizontal	Pass
2	2389.833	55.95	74.0	18.05	Peak	258.00	200	Horizontal	Pass
2**	2389.833	45.98	54.0	8.02	AV	258.00	200	Horizontal	Pass

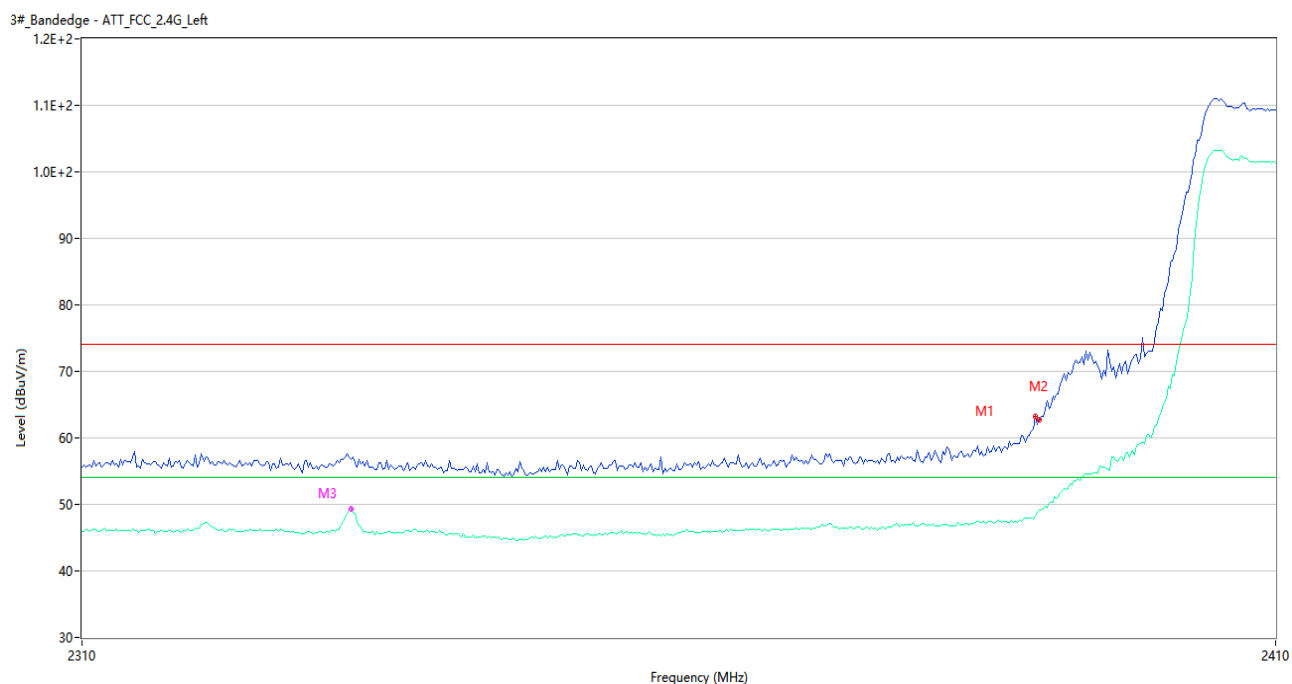
802.11b HIGH CHANNEL

3#_Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	56.36	74.0	17.64	Peak	263.00	200	Horizontal	Pass
1**	2483.550	46.46	54.0	7.54	AV	263.00	200	Horizontal	Pass
2	2484.500	57.69	74.0	16.31	Peak	265.00	100	Horizontal	Pass
2**	2484.500	46.61	54.0	7.39	AV	265.00	100	Horizontal	Pass

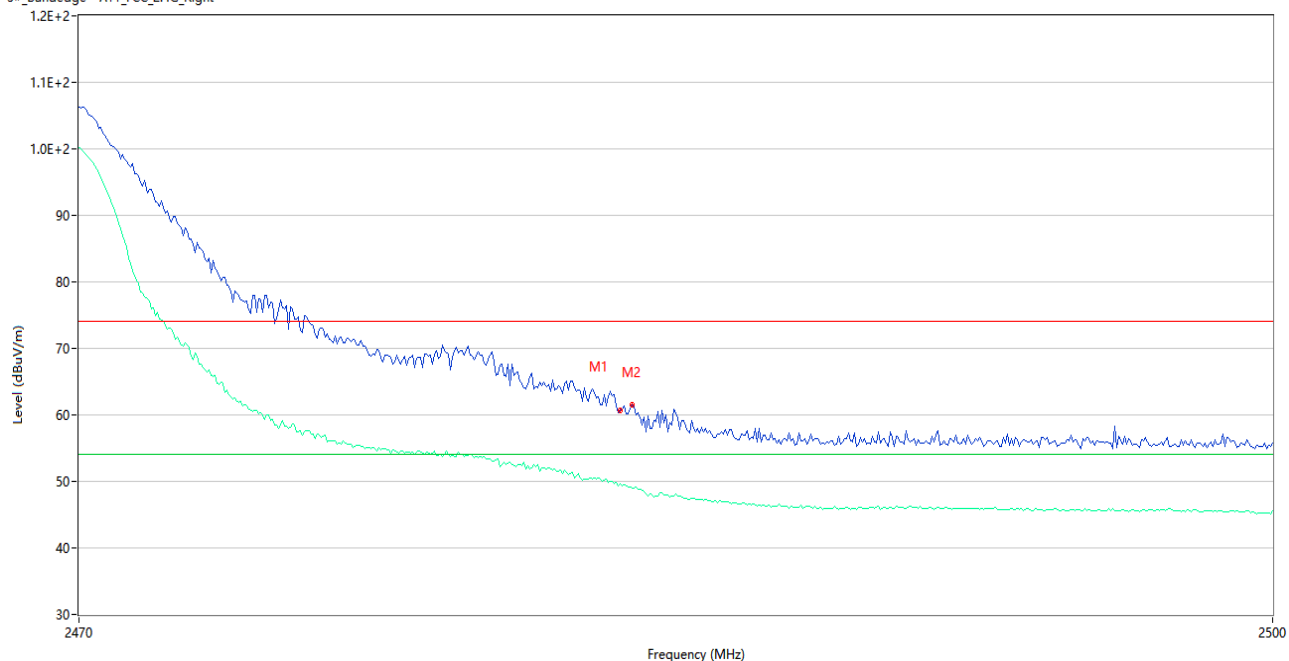
802.11g LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.500	63.26	74.0	10.74	Peak	255.00	150	Horizontal	Pass
1**	2389.500	48.38	54.0	5.62	AV	255.00	150	Horizontal	Pass
2	2389.833	62.79	74.0	11.21	Peak	258.00	200	Horizontal	Pass
2**	2389.833	49.08	54.0	4.92	AV	258.00	200	Horizontal	Pass
3	2332.167	56.76	74.0	17.24	Peak	54.00	150	Horizontal	Pass
3**	2332.167	49.32	54.0	4.68	AV	54.00	150	Horizontal	Pass

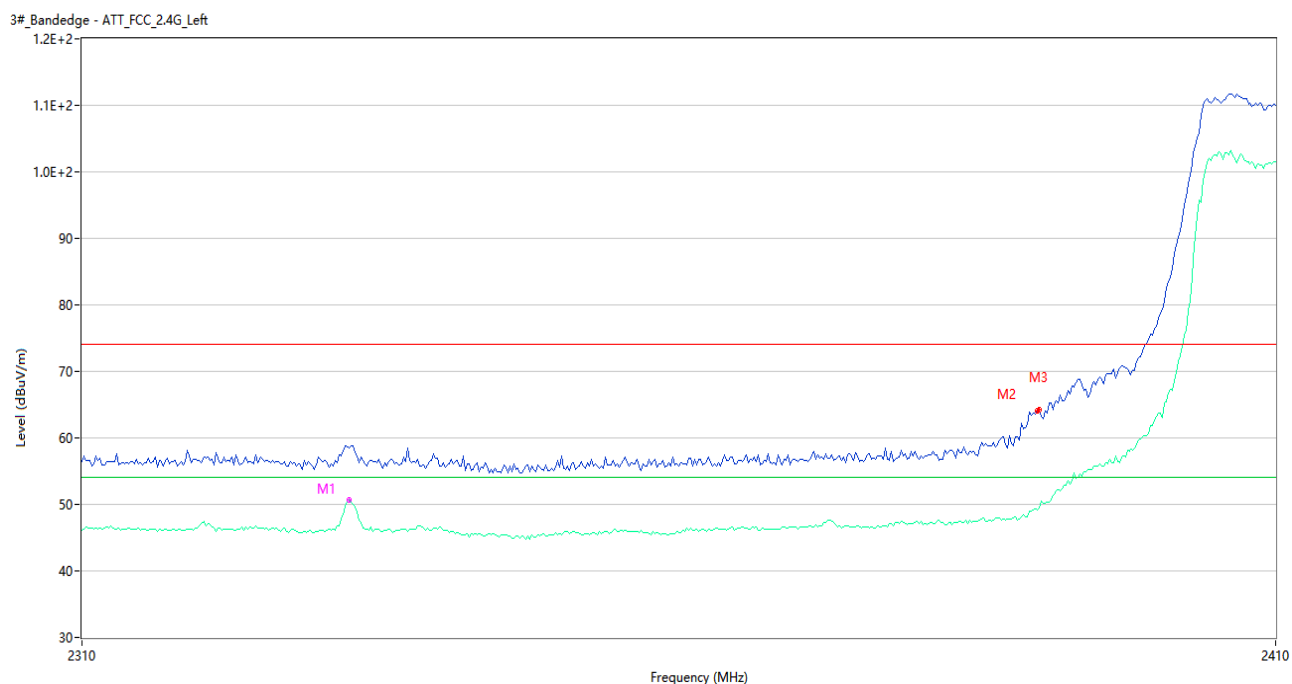
802.11g HIGH CHANNEL

3#_Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	60.76	74.0	13.24	Peak	268.00	150	Horizontal	Pass
1**	2483.550	49.62	54.0	4.38	AV	268.00	150	Horizontal	Pass
2	2483.850	61.47	74.0	12.53	Peak	242.00	200	Horizontal	Pass
2**	2483.850	49.00	54.0	5.00	AV	242.00	200	Horizontal	Pass

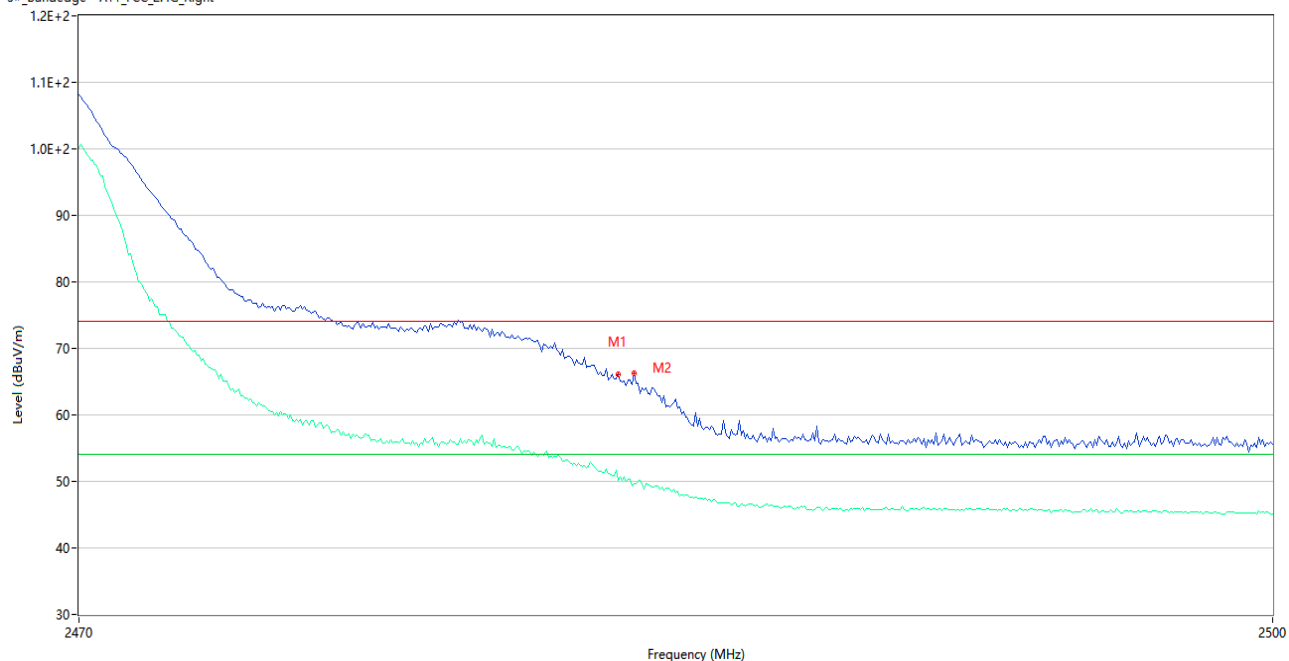
802.11n20 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2332.000	58.50	74.0	15.50	Peak	257.00	150	Horizontal	Pass
1**	2332.000	50.73	54.0	3.27	AV	257.00	150	Horizontal	Pass
2	2389.667	64.09	74.0	9.91	Peak	248.00	100	Horizontal	Pass
2**	2389.667	49.10	54.0	4.90	AV	248.00	100	Horizontal	Pass
3	2389.833	64.17	74.0	9.83	Peak	255.00	200	Horizontal	Pass
3**	2389.833	49.45	54.0	4.55	AV	255.00	200	Horizontal	Pass

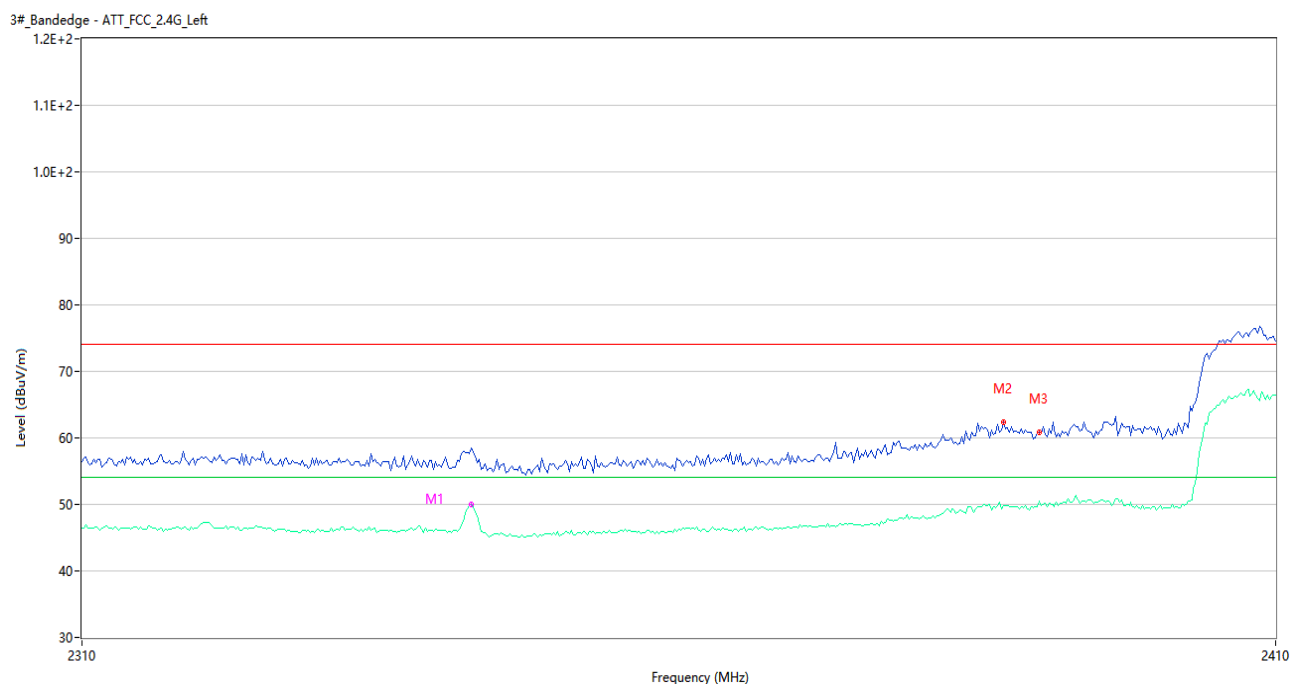
802.11n20 HIGH CHANNEL

3#_Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	66.03	74.0	7.97	Peak	248.00	200	Horizontal	Pass
1**	2483.500	50.18	54.0	3.82	AV	248.00	200	Horizontal	Pass
2	2483.900	66.31	74.0	7.69	Peak	244.00	150	Horizontal	Pass
2**	2483.900	49.74	54.0	4.26	AV	244.00	150	Horizontal	Pass

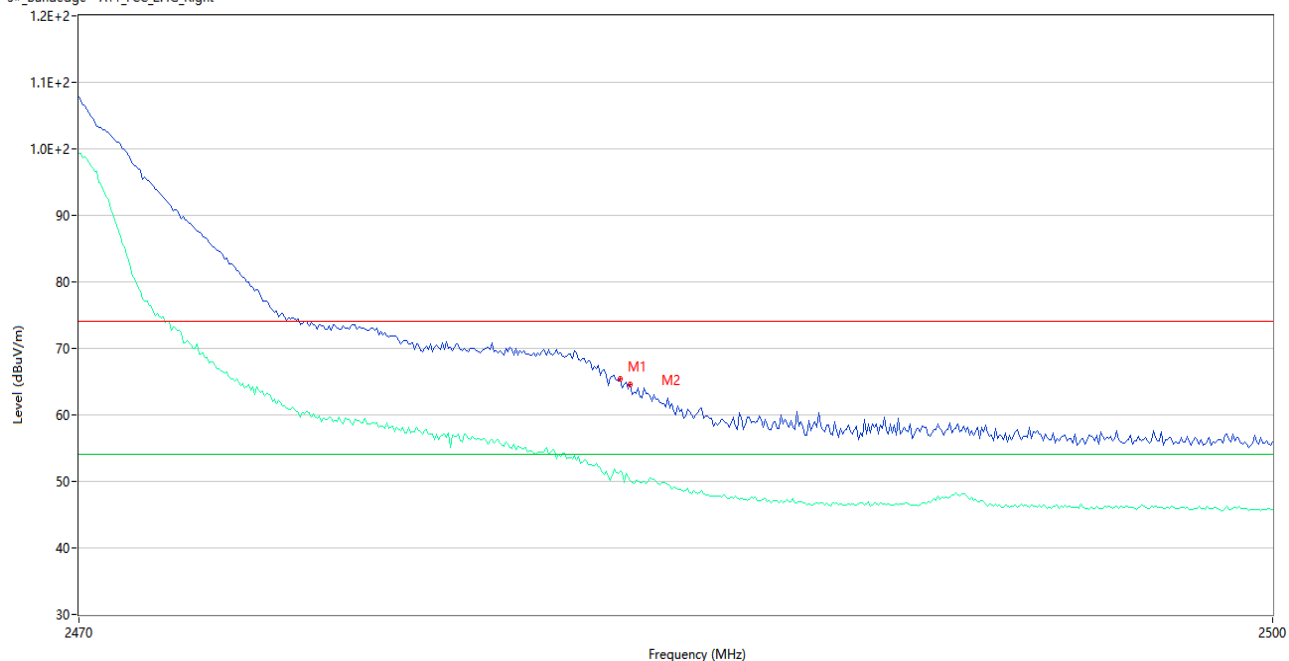
802.11n40 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2342.167	58.44	74.0	15.56	Peak	254.00	150	Horizontal	Pass
1**	2342.167	49.95	54.0	4.05	AV	254.00	150	Horizontal	Pass
2	2386.833	62.43	74.0	11.57	Peak	252.00	200	Horizontal	Pass
2**	2386.833	49.82	54.0	4.18	AV	252.00	200	Horizontal	Pass
3	2389.833	60.90	74.0	13.10	Peak	254.00	150	Horizontal	Pass
3**	2389.833	50.55	54.0	3.45	AV	254.00	150	Horizontal	Pass

802.11n40 HIGH CHANNEL

3#_Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	65.43	74.0	8.57	Peak	247.00	200	Horizontal	Pass
1**	2483.550	51.49	54.0	2.51	AV	247.00	200	Horizontal	Pass
2	2483.800	64.65	74.0	9.35	Peak	249.00	100	Horizontal	Pass
2**	2483.800	50.21	54.0	3.79	AV	249.00	100	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

ANT1

802.11b Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-10.45	8	Pass
Middle	-11.55	8	Pass
High	-9.81	8	Pass

802.11g Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-11.95	8	Pass
Middle	-13.08	8	Pass
High	-12.79	8	Pass

802.11n-20 MHz Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-12.22	8	Pass
Middle	-12.91	8	Pass
High	-11.78	8	Pass

802.11n-40 MHz Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-14.14	8	Pass
Middle	-14.24	8	Pass
High	-15.30	8	Pass

ANT2**802.11b Mode:**

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-10.65	8	Pass
Middle	-11.08	8	Pass
High	-8.66	8	Pass

802.11g Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-12.49	8	Pass
Middle	-12.50	8	Pass
High	-11.59	8	Pass

802.11n-20 MHz Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-11.55	8	Pass
Middle	-11.23	8	Pass
High	-12.46	8	Pass

802.11n-40 MHz Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-14.66	8	Pass
Middle	-14.68	8	Pass
High	-15.42	8	Pass

MIMO

802.11b Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-7.54	8	Pass
Middle	-8.30	8	Pass
High	-6.18	8	Pass

802.11g Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-9.20	8	Pass
Middle	-9.77	8	Pass
High	-9.14	8	Pass

802.11n-20 MHz Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-8.86	8	Pass
Middle	-8.98	8	Pass
High	-9.10	8	Pass

802.11n-40 MHz Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-11.38	8	Pass
Middle	-11.44	8	Pass
High	-12.35	8	Pass

Test Plots

ANT1

802.11b LOW CHANNEL



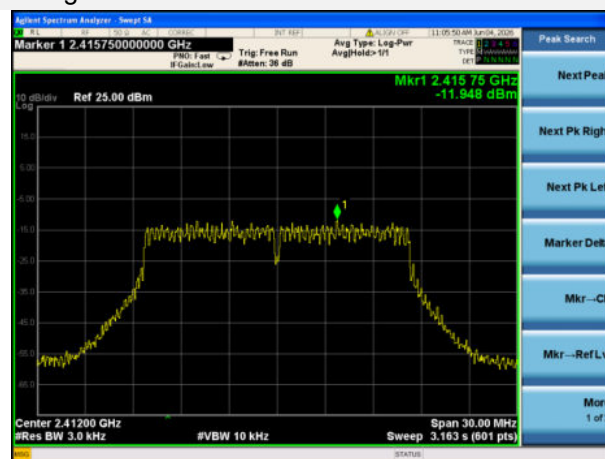
802.11b MIDDLE CHANNEL



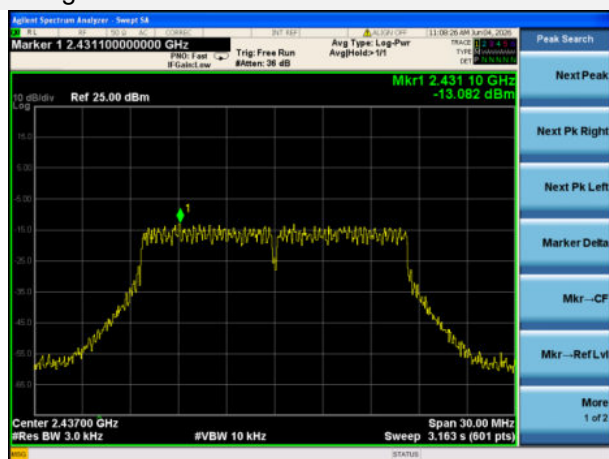
802.11b HIGH CHANNEL



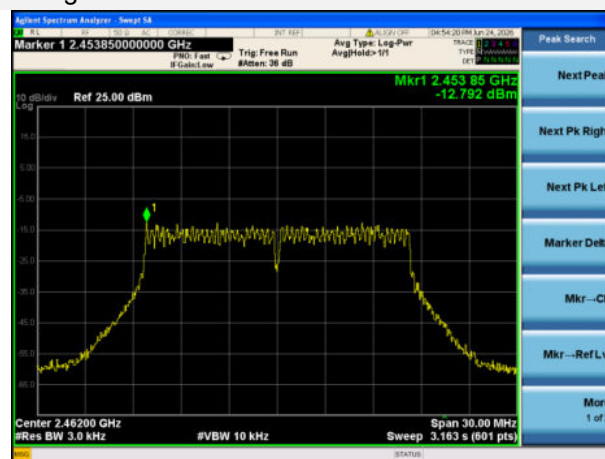
802.11g LOW CHANNEL



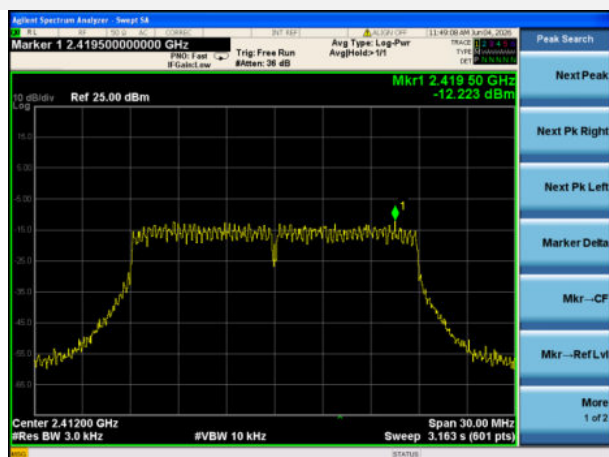
802.11g MIDDLE CHANNEL



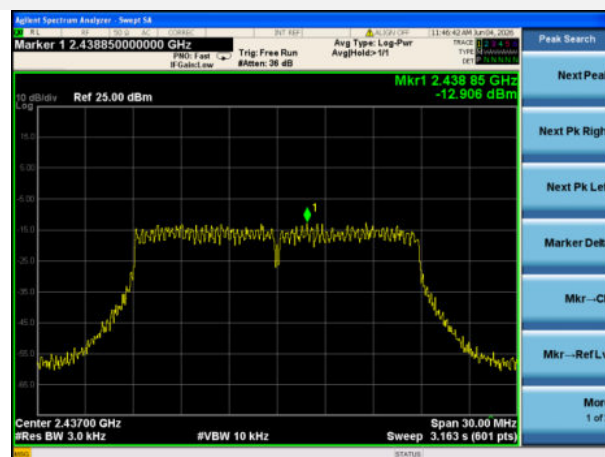
802.11g HIGH CHANNEL



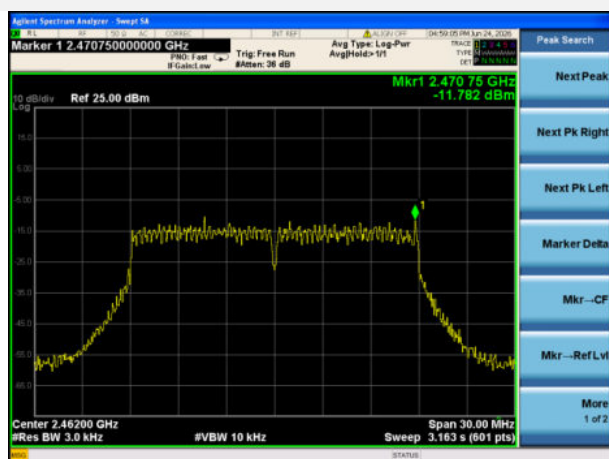
802.11n-20 MHz LOW CHANNEL



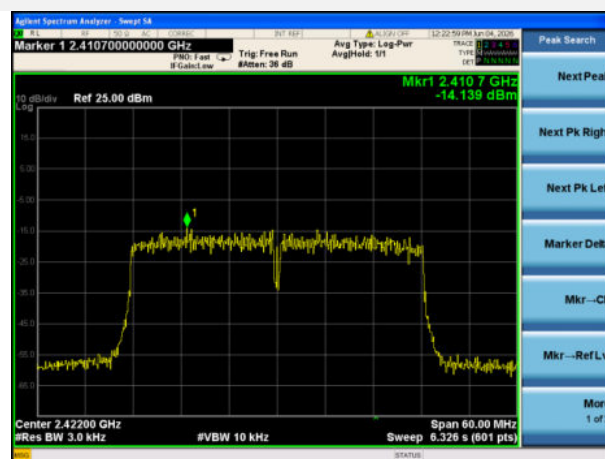
802.11n-20 MHz MIDDLE CHANNEL



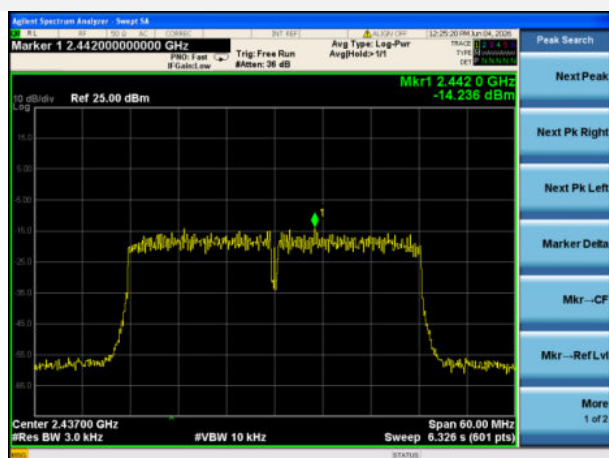
802.11n-20 MHz HIGH CHANNEL



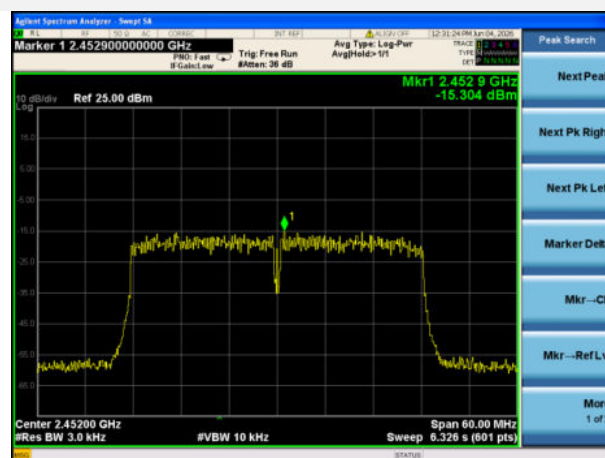
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANT2

802.11b LOW CHANNEL



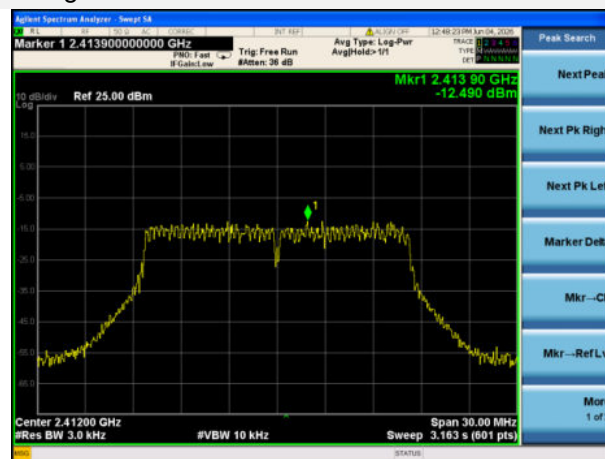
802.11b MIDDLE CHANNEL



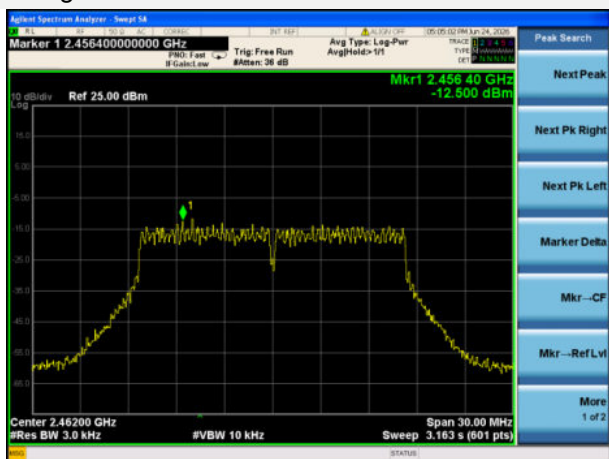
802.11b HIGH CHANNEL



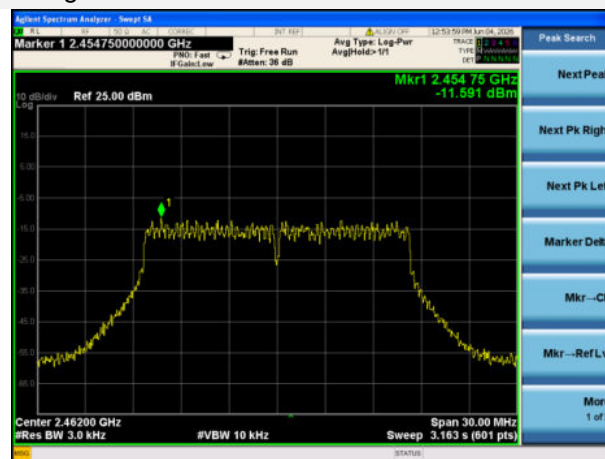
802.11g LOW CHANNEL



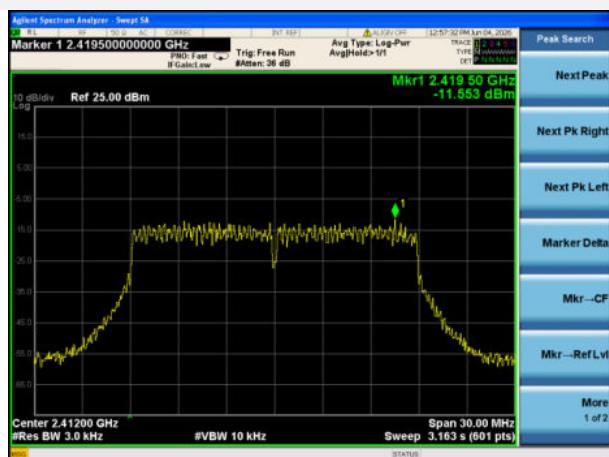
802.11g MIDDLE CHANNEL



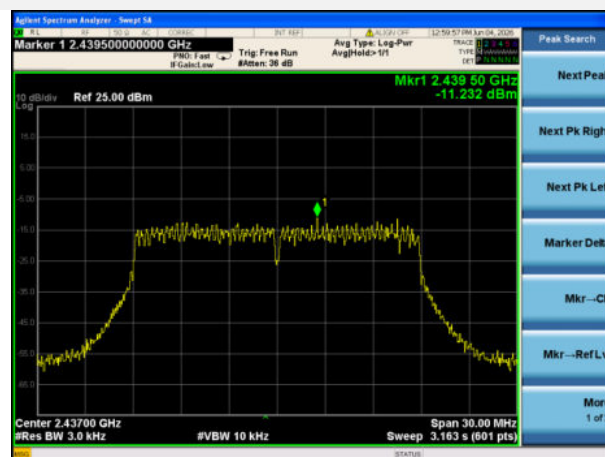
802.11g HIGH CHANNEL



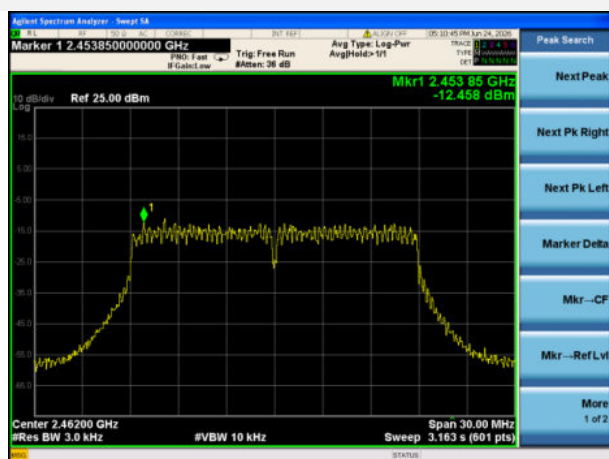
802.11n-20 MHz LOW CHANNEL



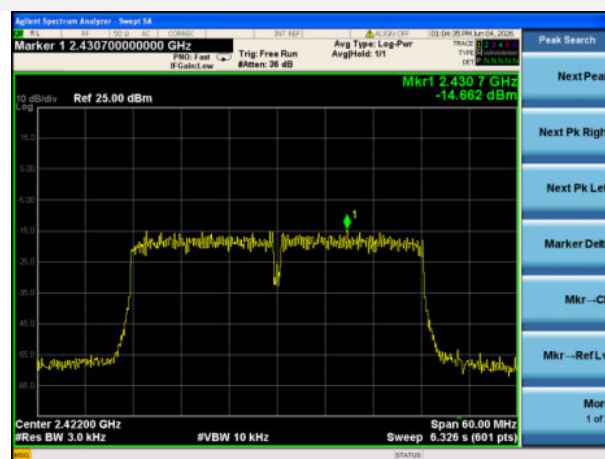
802.11n-20 MHz MIDDLE CHANNEL



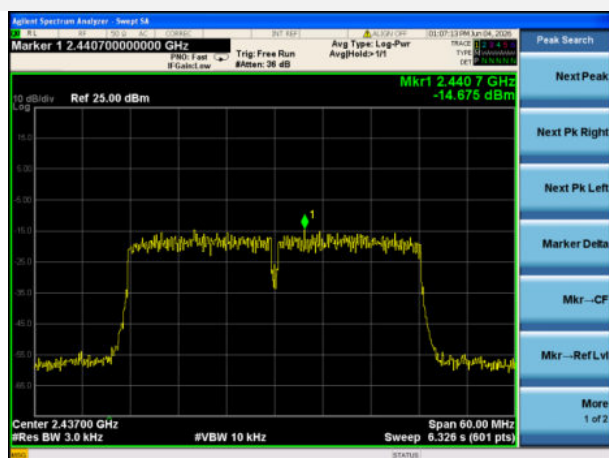
802.11n-20 MHz HIGH CHANNEL



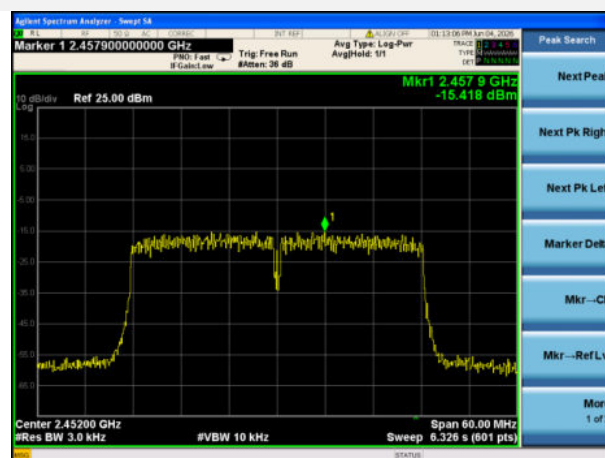
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26060080-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26060080-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26060080-AI.PDF”.

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--END OF REPORT--