

A.3 Conducted Spurious Emissions

Test Data

802.11b Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-34.16	6.40	-13.60	Pass
Middle	-32.16	8.16	-11.84	Pass
High	-34.23	8.17	-11.83	Pass

802.11g Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-33.42	2.36	-17.64	Pass
Middle	-31.92	4.32	-15.68	Pass
High	-33.42	3.94	-16.06	Pass

802.11n-20MHz Mode:

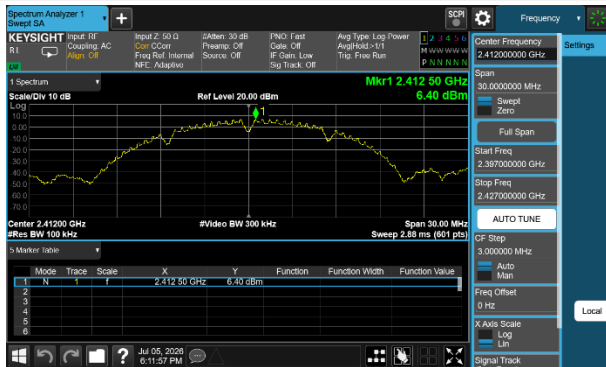
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-33.24	2.48	-17.52	Pass
Middle	-33.41	4.17	-15.83	Pass
High	-33.43	4.04	-15.96	Pass

802.11n-40MHz Mode:

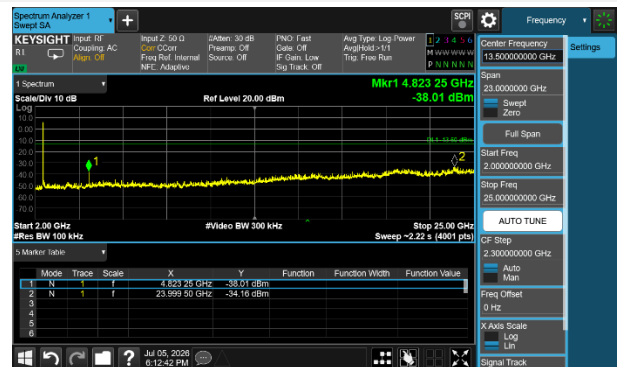
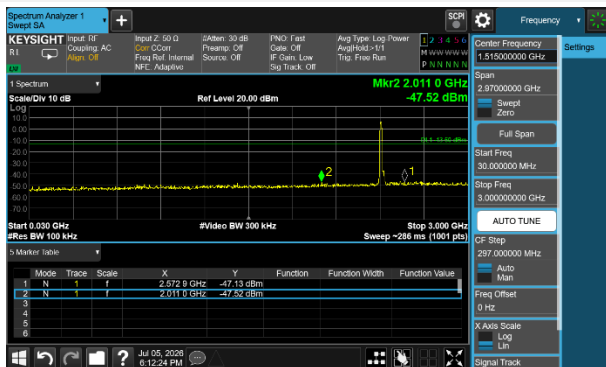
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-32.64	1.58	-18.42	Pass
Middle	-31.86	1.38	-18.62	Pass
High	-33.71	-0.47	-20.47	Pass

Test Plots

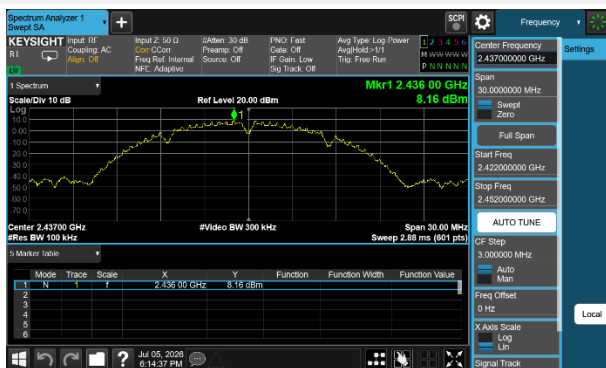
802.11b LOW CHANNEL CARRIER LEVEL



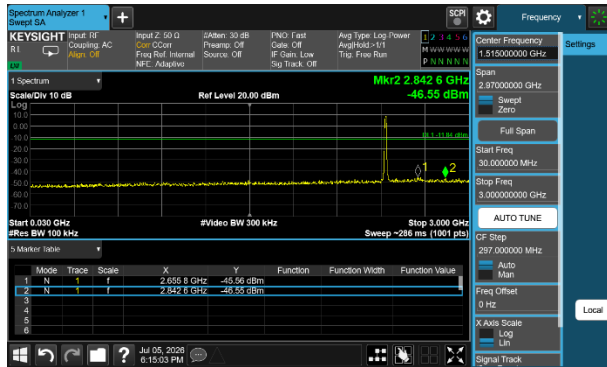
802.11b LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz 802.11b LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



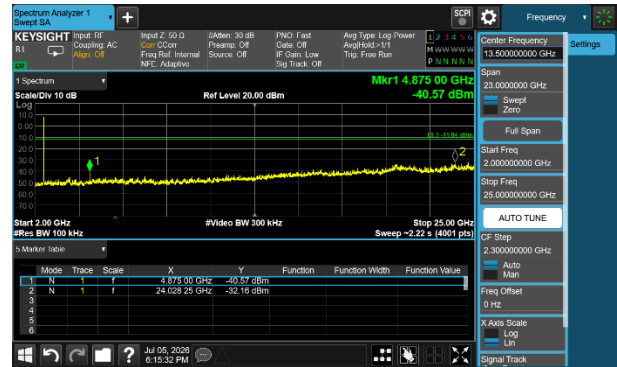
802.11b MIDDLE CHANNEL CARRIER LEVEL



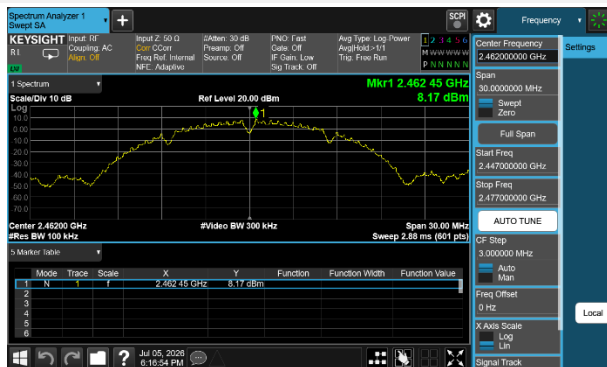
802.11b MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



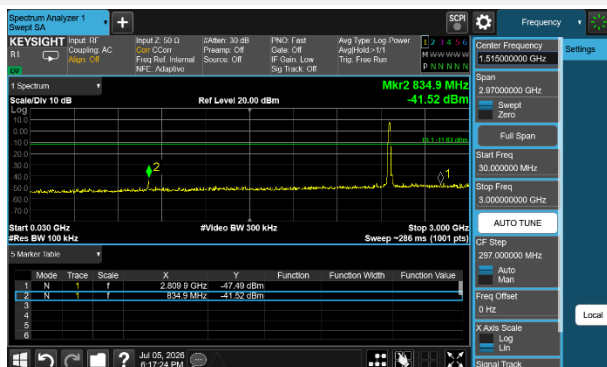
802.11b MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



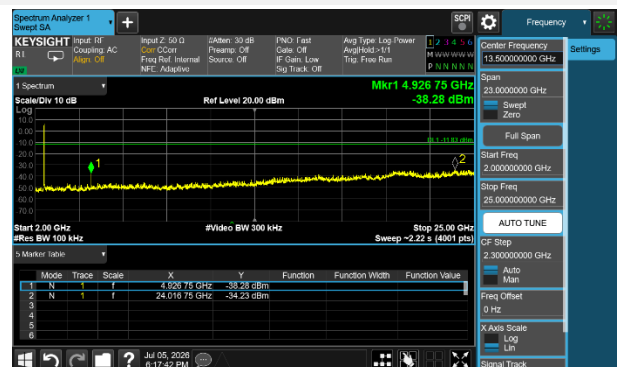
802.11b HIGH CHANNEL CARRIER LEVEL



802.11b HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



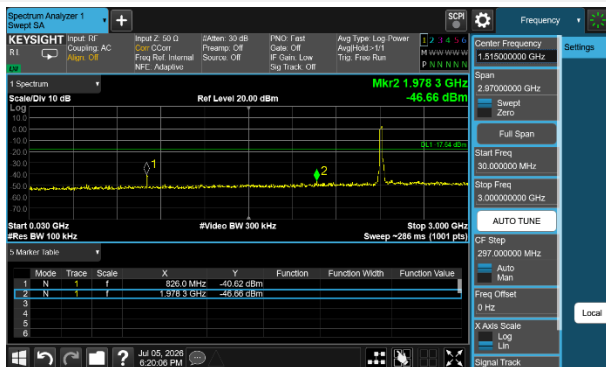
802.11b HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



802.11g LOW CHANNEL CARRIER LEVEL



802.11g LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



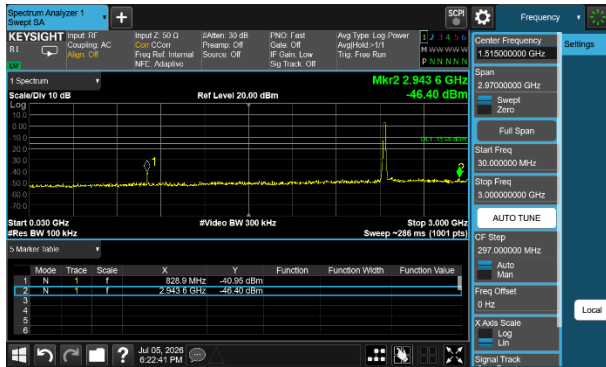
802.11g LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



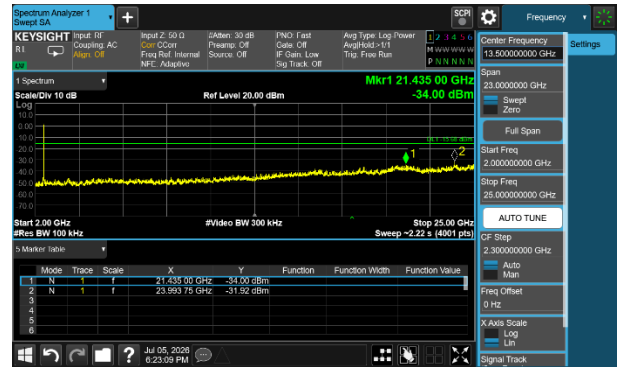
802.11g MIDDLE CHANNEL CARRIER LEVEL



802.11g MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



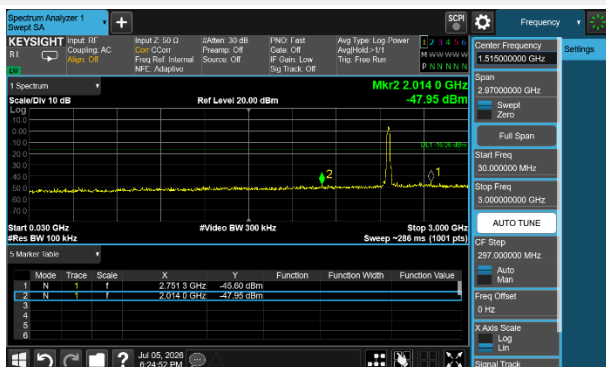
802.11g MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



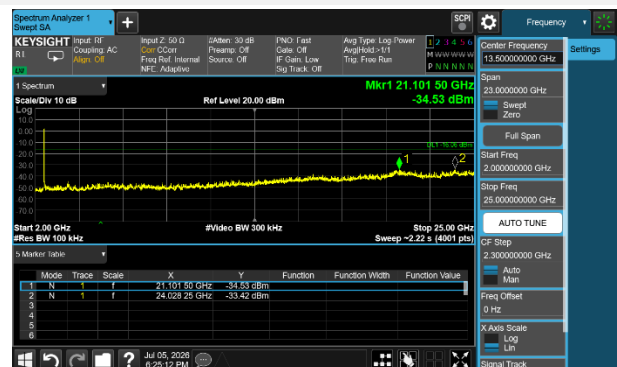
802.11g HIGH CHANNEL CARRIER LEVEL



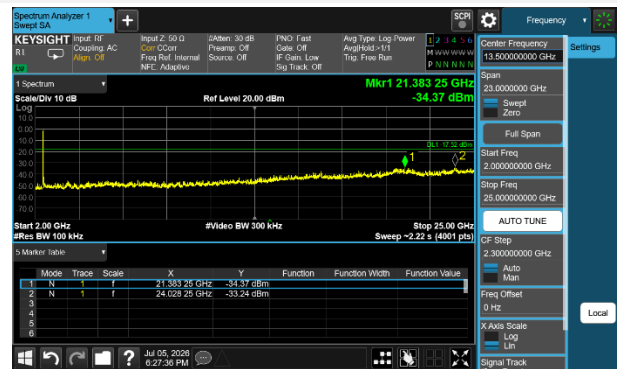
802.11g HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



802.11g HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

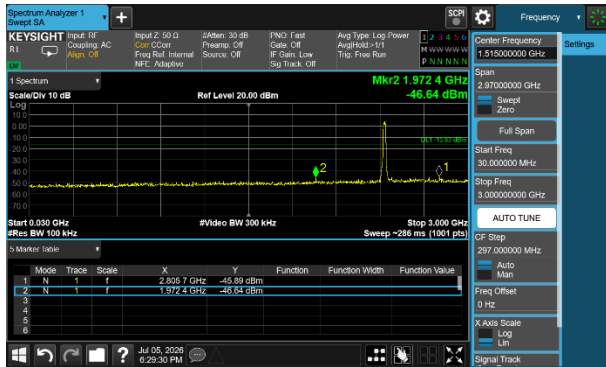
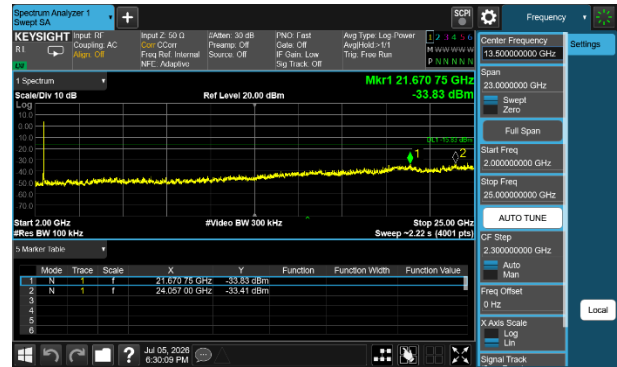


802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

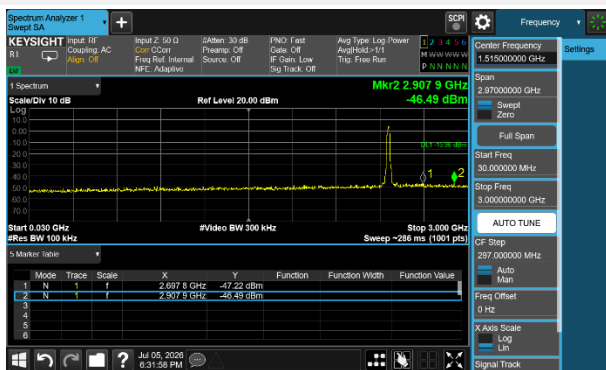
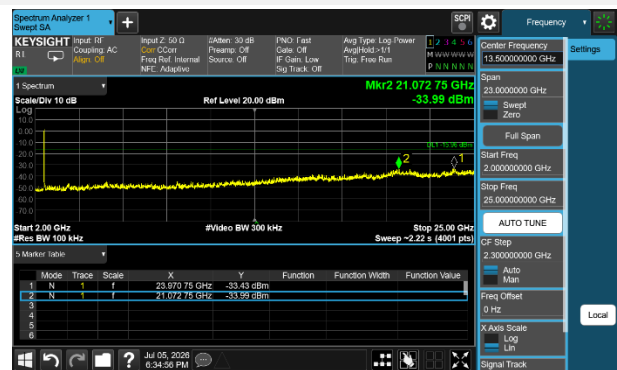
802.11n-20 MHz LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-20 MHz LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL

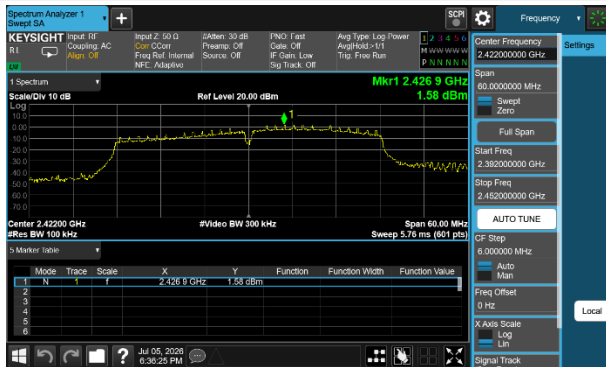
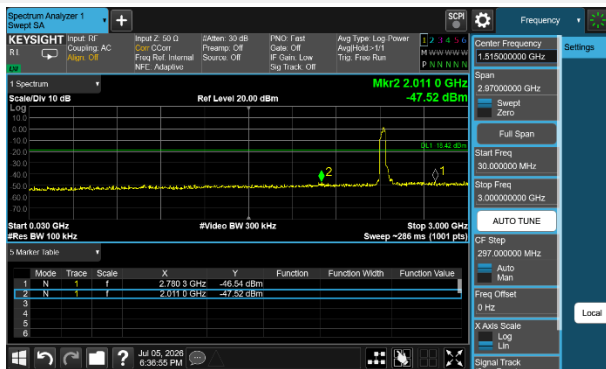
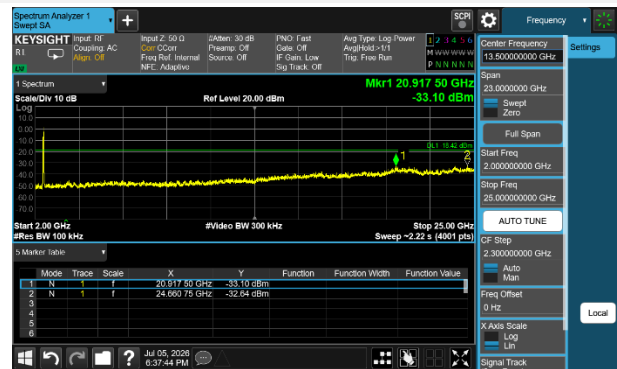


802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

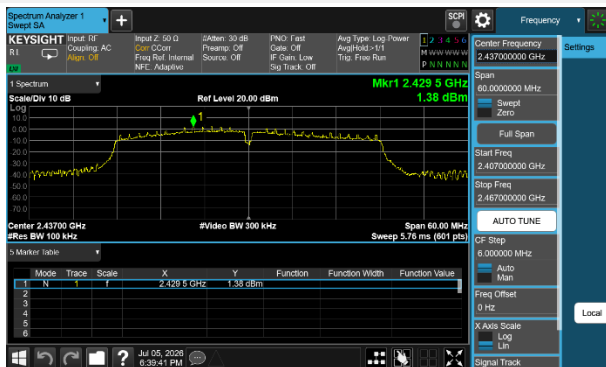
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL

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

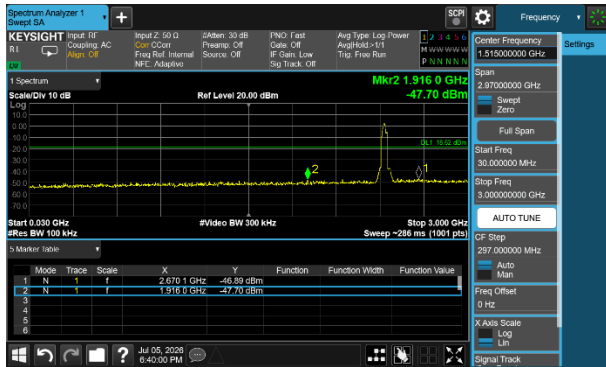
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



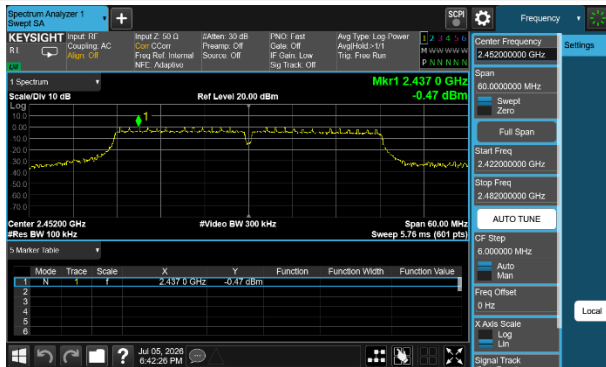
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



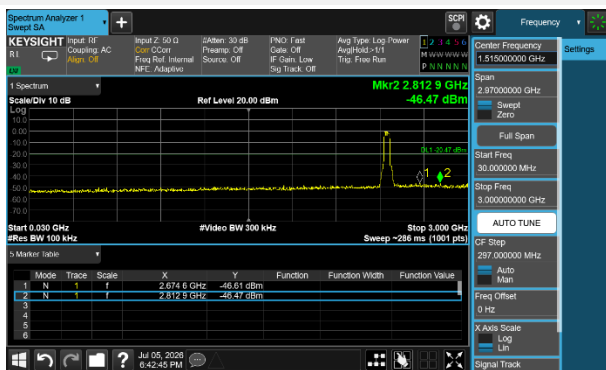
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



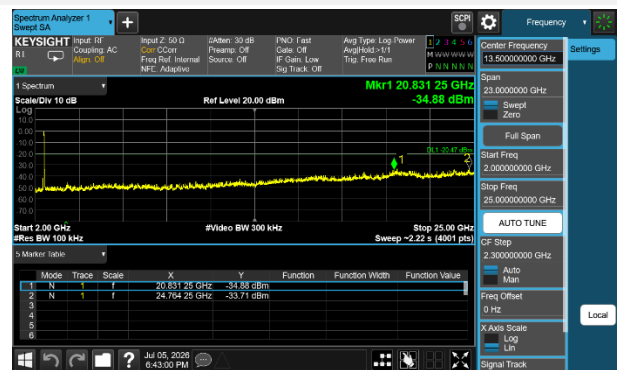
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



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



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



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

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

Test Data

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-40.96	6.40	-13.60	Pass
High Channel	-44.26	8.17	-11.83	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-34.19	2.36	-17.64	Pass
High Channel	-40.41	3.94	-16.06	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-33.43	2.48	-17.52	Pass
High Channel	-37.30	4.04	-15.96	Pass

802.11n-40 MHz Mode:

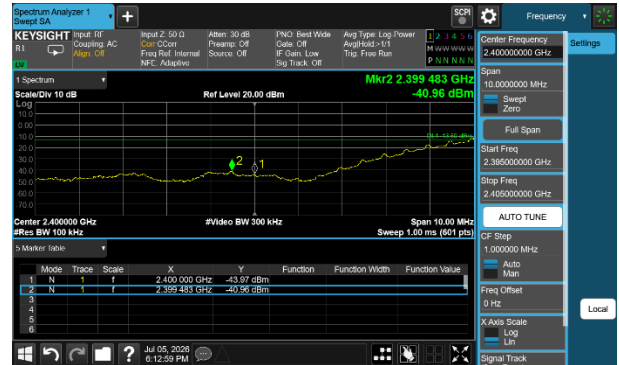
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-41.88	1.58	-18.42	Pass
High Channel	-31.82	-0.47	-20.47	Pass

Test Plots

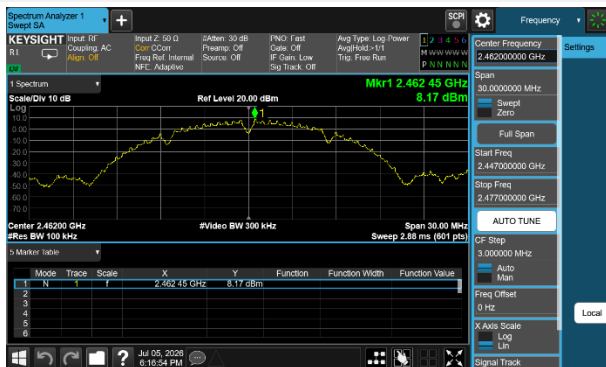
802.11b LOW CHANNEL, CARRIER LEVEL



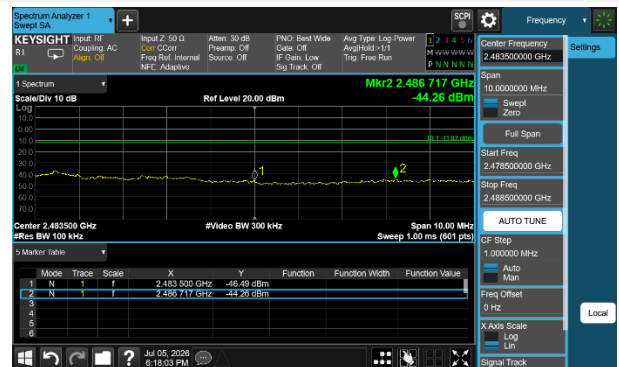
802.11b LOW CHANNEL, BAND EDGE



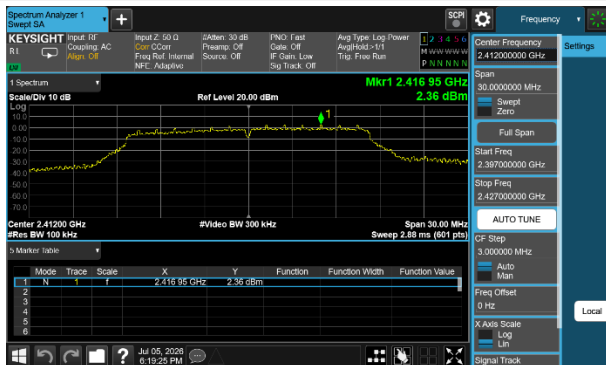
802.11b HIGH CHANNEL, CARRIER LEVEL



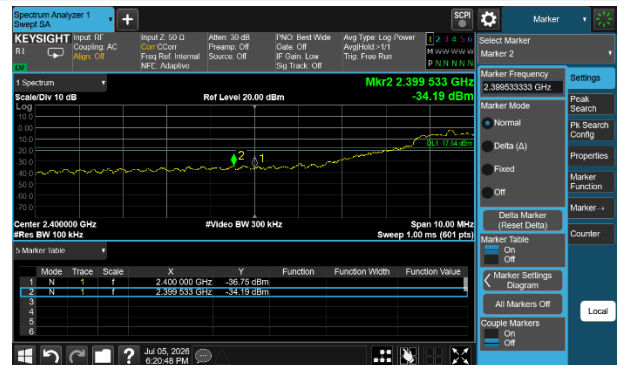
802.11b HIGH CHANNEL, BAND EDGE



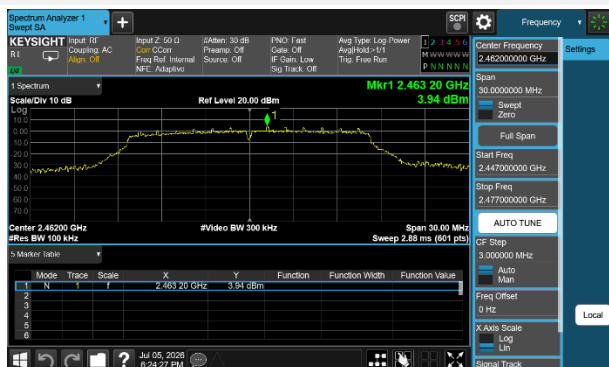
802.11g LOW CHANNEL, CARRIER LEVEL



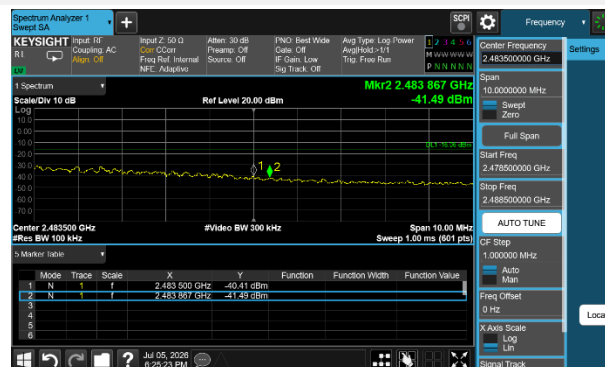
802.11g LOW CHANNEL, BAND EDGE



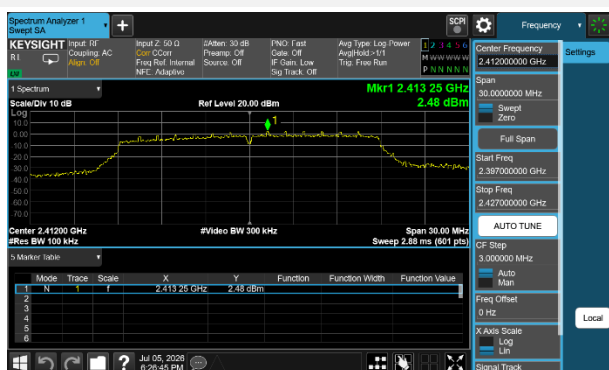
802.11g HIGH CHANNEL, CARRIER LEVEL



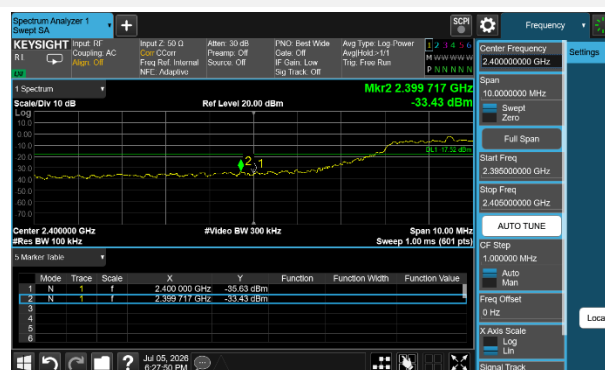
802.11g HIGH CHANNEL, BAND EDGE



802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



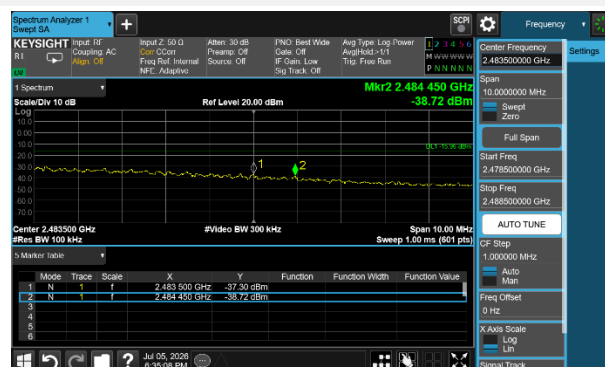
802.11n-20 MHz LOW CHANNEL, BAND EDGE



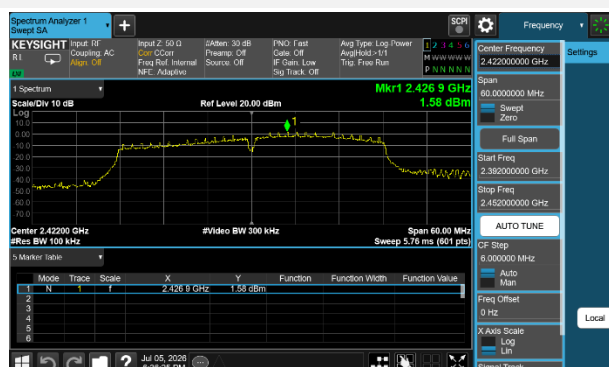
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



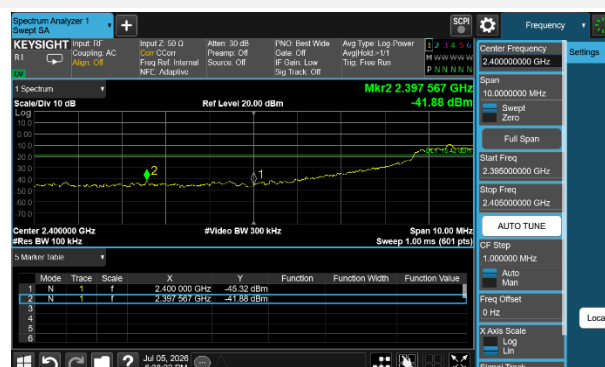
802.11n-20 MHz HIGH CHANNEL, BAND EDGE



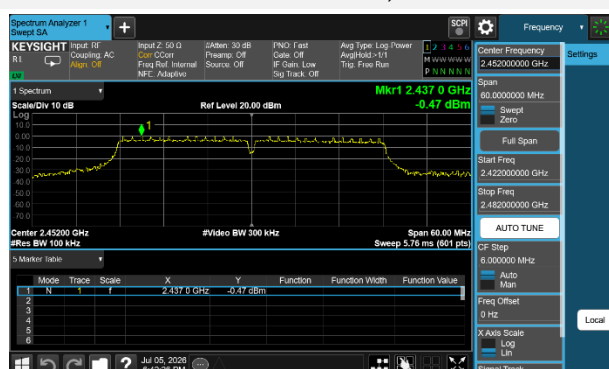
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



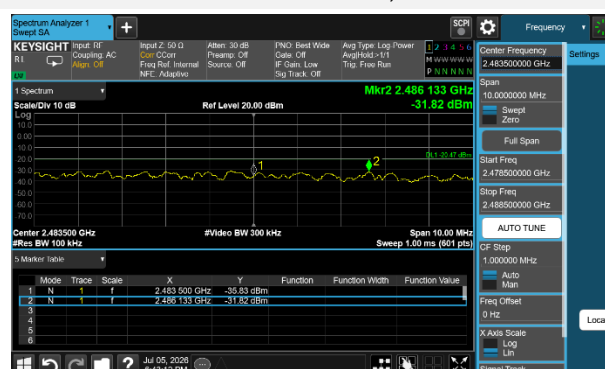
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

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

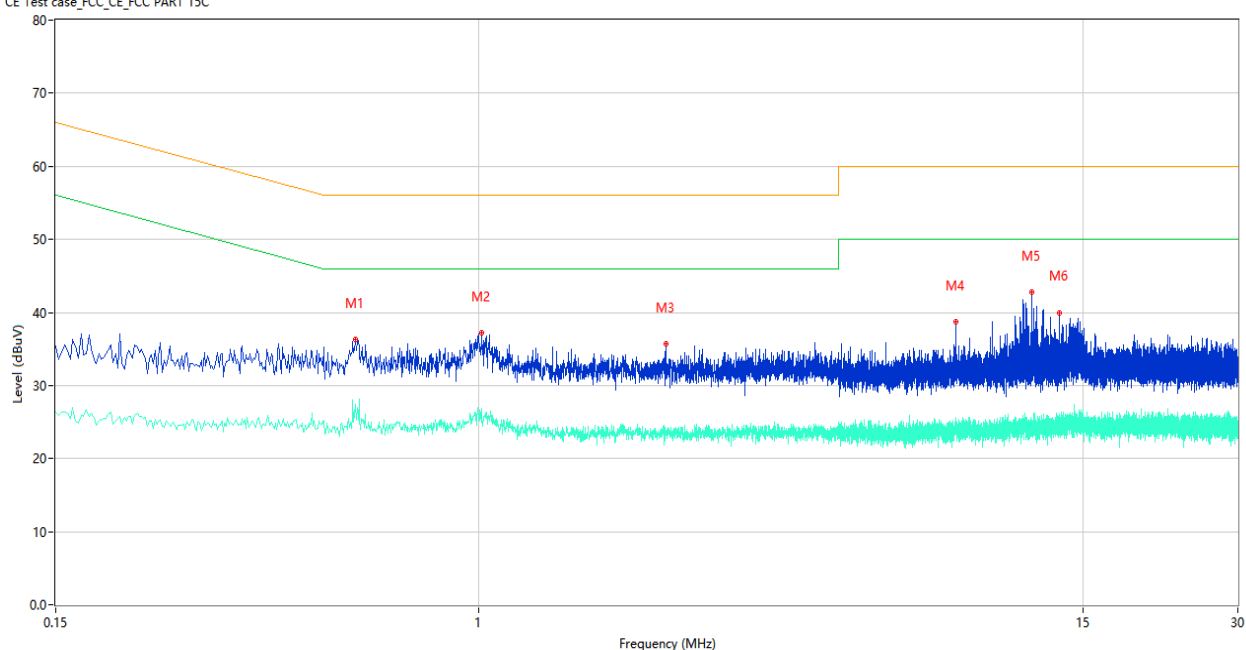
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

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

Test Data and Plots

PHASE L

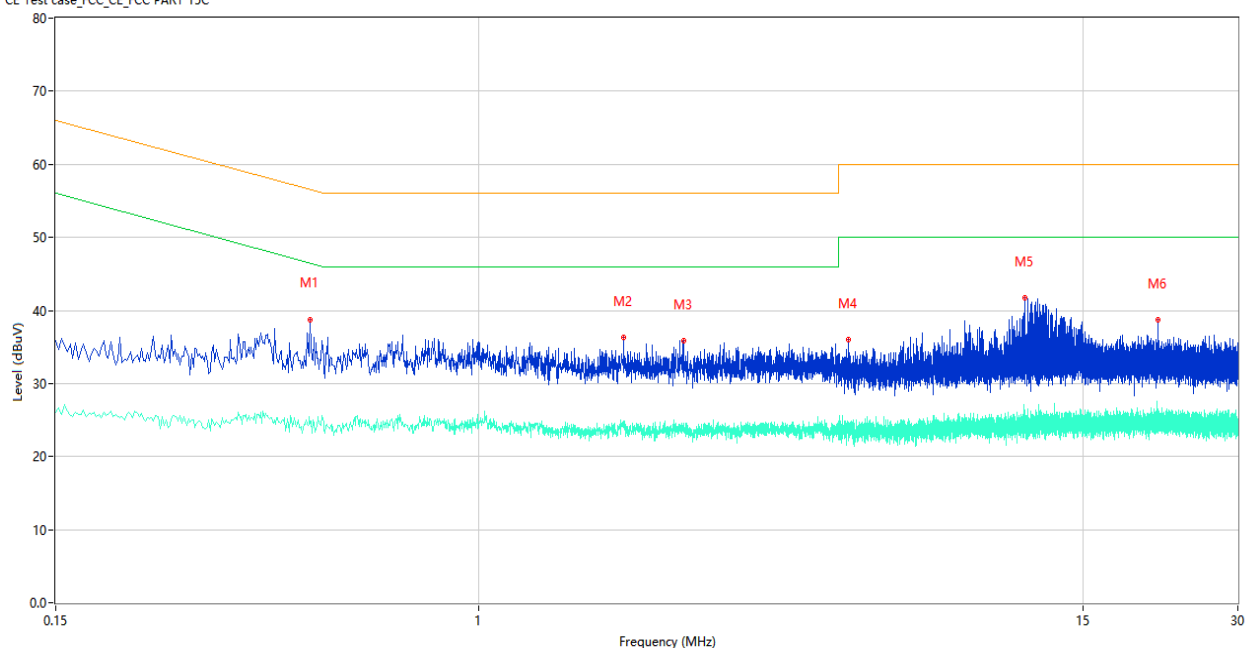
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.576	36.33	10.08	56.00	19.67	Peak	L	Pass
1**	0.576	27.36	10.08	46.00	18.64	AV	L	Pass
2	1.012	37.20	10.00	56.00	18.80	Peak	L	Pass
2**	1.012	26.85	10.00	46.00	19.15	AV	L	Pass
3	2.308	35.68	10.24	56.00	20.32	Peak	L	Pass
3**	2.308	23.25	10.24	46.00	22.75	AV	L	Pass
4	8.470	38.70	10.28	60.00	21.30	Peak	L	Pass
4**	8.470	23.62	10.28	50.00	26.38	AV	L	Pass
5	11.900	42.79	10.63	60.00	17.21	Peak	L	Pass
5**	11.900	23.55	10.63	50.00	26.45	AV	L	Pass
6	13.458	39.85	10.46	60.00	20.15	Peak	L	Pass
6**	13.458	26.12	10.46	50.00	23.88	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	0.470	38.78	9.99	56.51	17.73	Peak	N	Pass
1**	0.470	24.63	9.99	46.51	21.88	AV	N	Pass
2	1.910	36.24	10.60	56.00	19.76	Peak	N	Pass
2**	1.910	24.56	10.60	46.00	21.44	AV	N	Pass
3	2.504	35.87	10.13	56.00	20.13	Peak	N	Pass
3**	2.504	24.63	10.13	46.00	21.37	AV	N	Pass
4	5.236	36.04	10.49	60.00	23.96	Peak	N	Pass
4**	5.236	24.69	10.49	50.00	25.31	AV	N	Pass
5	11.542	41.78	10.73	60.00	18.22	Peak	N	Pass
5**	11.542	26.37	10.73	50.00	23.63	AV	N	Pass
6	20.936	38.67	11.08	60.00	21.33	Peak	N	Pass
6**	20.936	24.28	11.08	50.00	25.72	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 + 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.

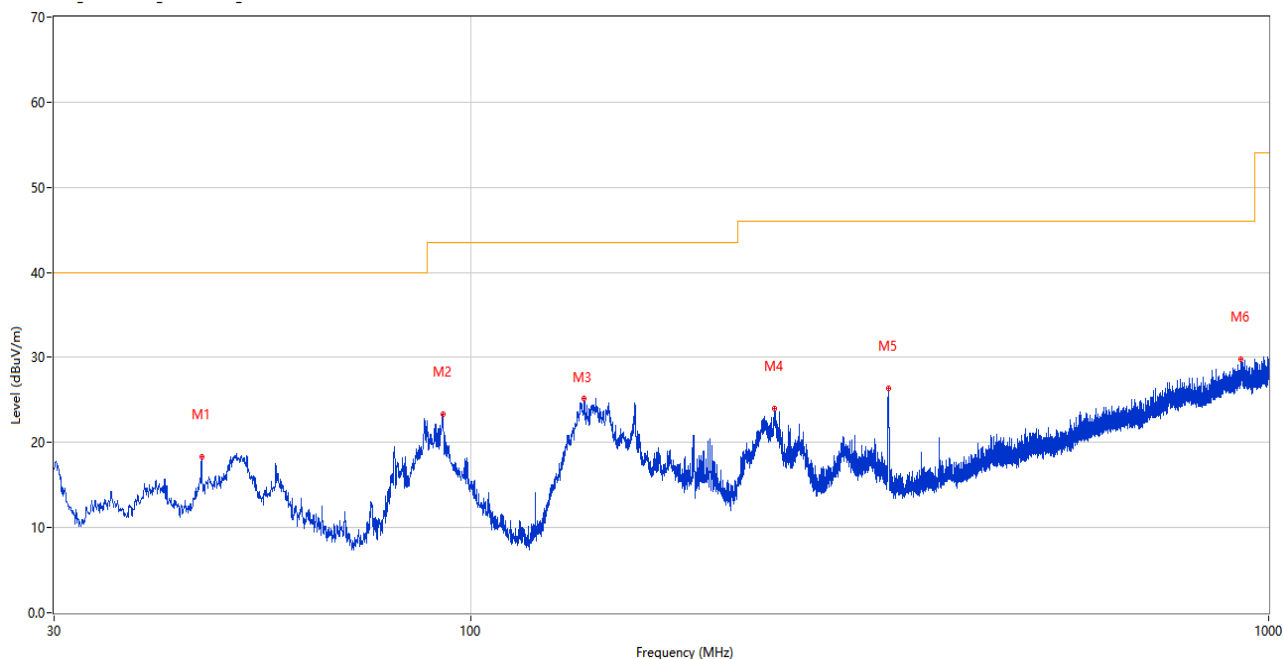
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

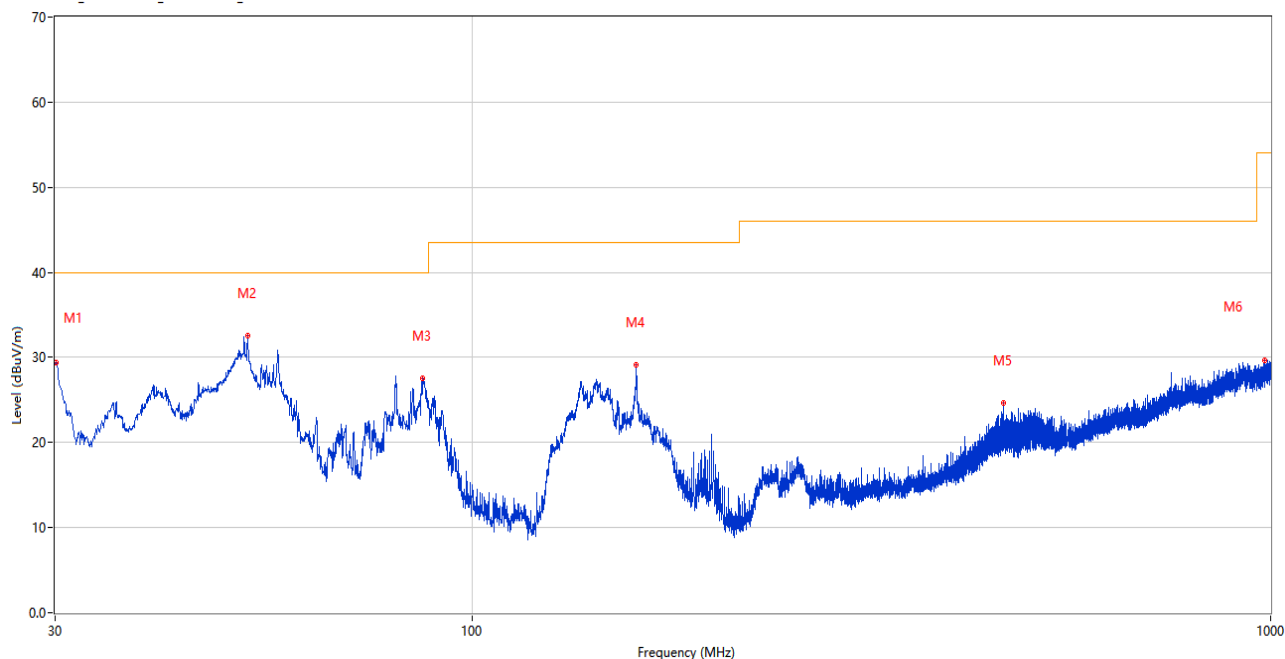
RE Test case_FCC Part 15C_FCC Part 15C_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	45.908	18.29	-29.37	40.0	21.71	Peak	201.80	100	Horizontal	Pass
2	92.129	23.30	-34.29	43.5	20.20	Peak	199.20	200	Horizontal	Pass
3	138.640	25.20	-28.98	43.5	18.30	Peak	164.30	100	Horizontal	Pass
4	240.054	23.97	-29.24	46.0	22.03	Peak	184.20	100	Horizontal	Pass
5	333.562	26.38	-25.18	46.0	19.62	Peak	359.70	100	Horizontal	Pass
6	923.661	29.73	-10.75	46.0	16.27	Peak	199.40	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC Part 15C_30MHz-1GHz



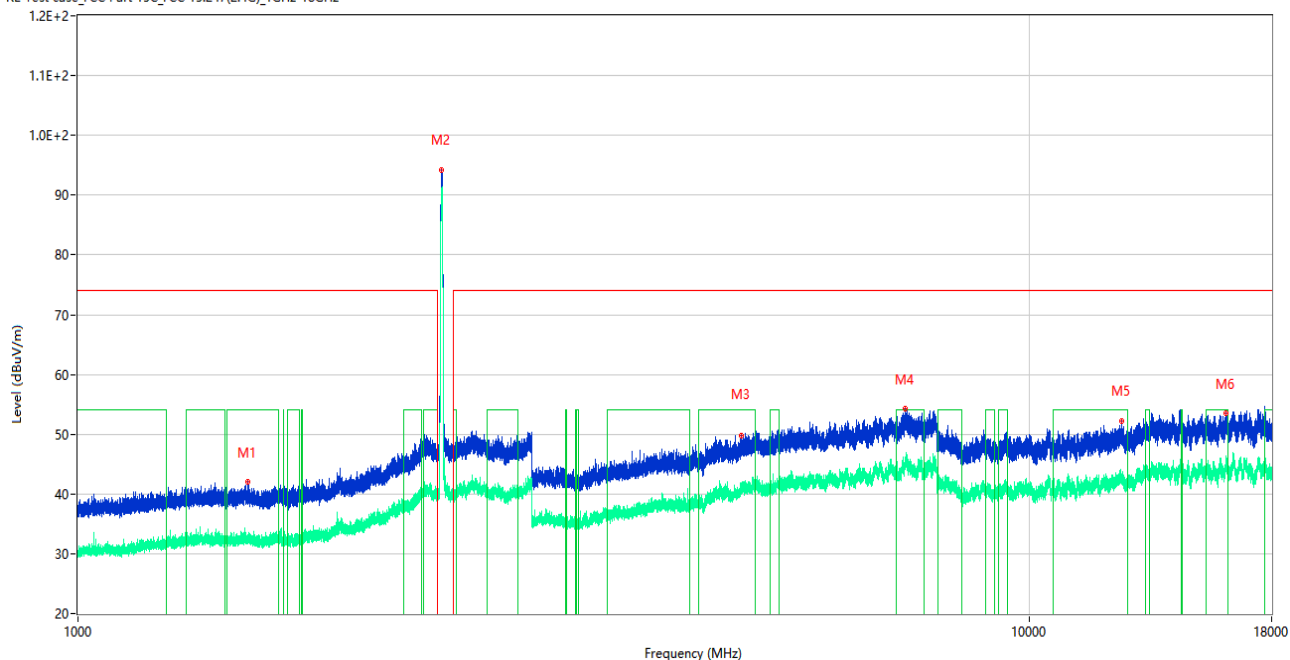
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	30.097	29.45	-30.41	40.0	10.55	Peak	237.00	100	Vertical	Pass
2	52.310	32.51	-29.29	40.0	7.49	Peak	330.40	100	Vertical	Pass
3	86.697	27.50	-34.41	40.0	12.50	Peak	37.10	100	Vertical	Pass
4	160.416	29.15	-27.94	43.5	14.35	Peak	138.80	100	Vertical	Pass
5	462.232	24.66	-21.07	46.0	21.34	Peak	159.60	100	Vertical	Pass
6	984.286	29.66	-11.07	54.0	24.34	Peak	131.30	200	Vertical	Pass

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

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

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

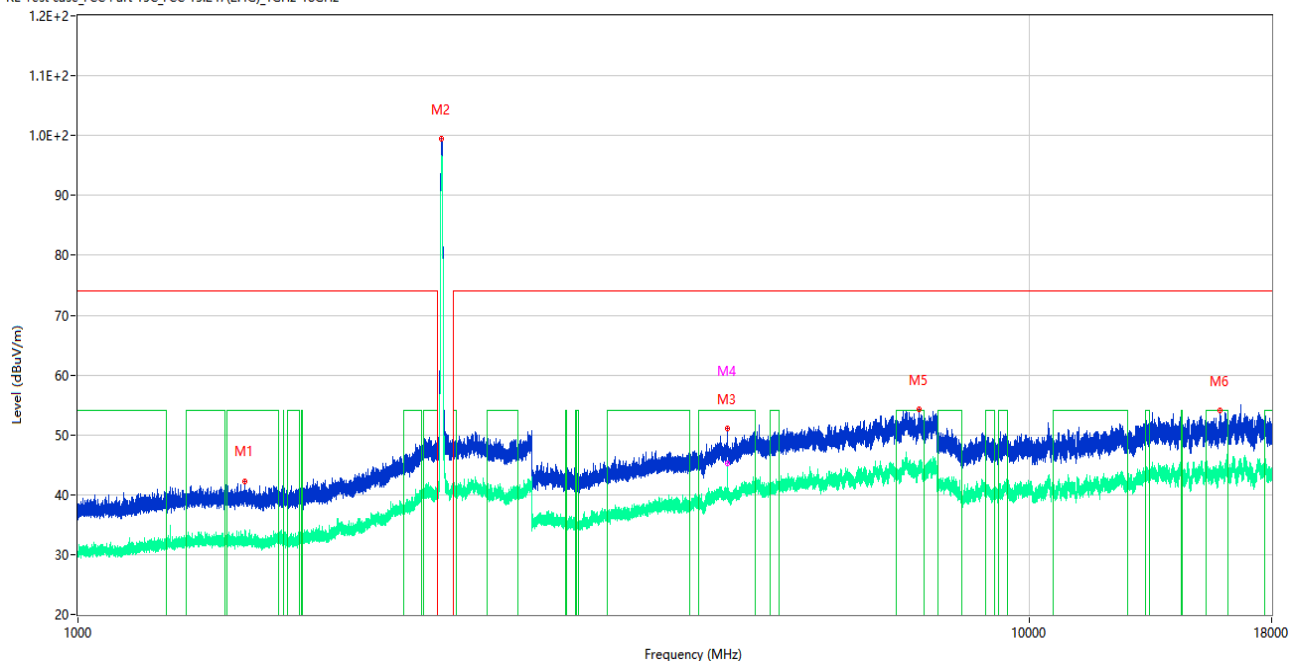
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1509.800	41.98	74.0	32.02	Peak	208.00	100	Horizontal	Pass
1**	1509.800	32.30	54.0	21.70	AV	208.00	100	Horizontal	Pass
2	2413.000	94.20	--	--	Peak	155.00	200	Horizontal	N/A
2**	2413.000	91.26	--	--	AV	155.00	200	Horizontal	N/A
3	4985.500	49.70	74.0	24.30	Peak	222.00	200	Horizontal	Pass
3**	4985.500	40.50	54.0	13.50	AV	222.00	200	Horizontal	Pass
4	7413.750	54.21	74.0	19.79	Peak	94.00	100	Horizontal	Pass
4**	7413.750	45.15	54.0	8.85	AV	94.00	100	Horizontal	Pass
5	12515.826	52.21	74.0	21.79	Peak	208.00	100	Horizontal	Pass
5**	12515.826	42.22	54.0	11.78	AV	208.00	100	Horizontal	Pass
6	16102.388	53.43	74.0	20.57	Peak	142.00	100	Horizontal	Pass
6**	16102.388	43.84	54.0	10.16	AV	142.00	100	Horizontal	Pass

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

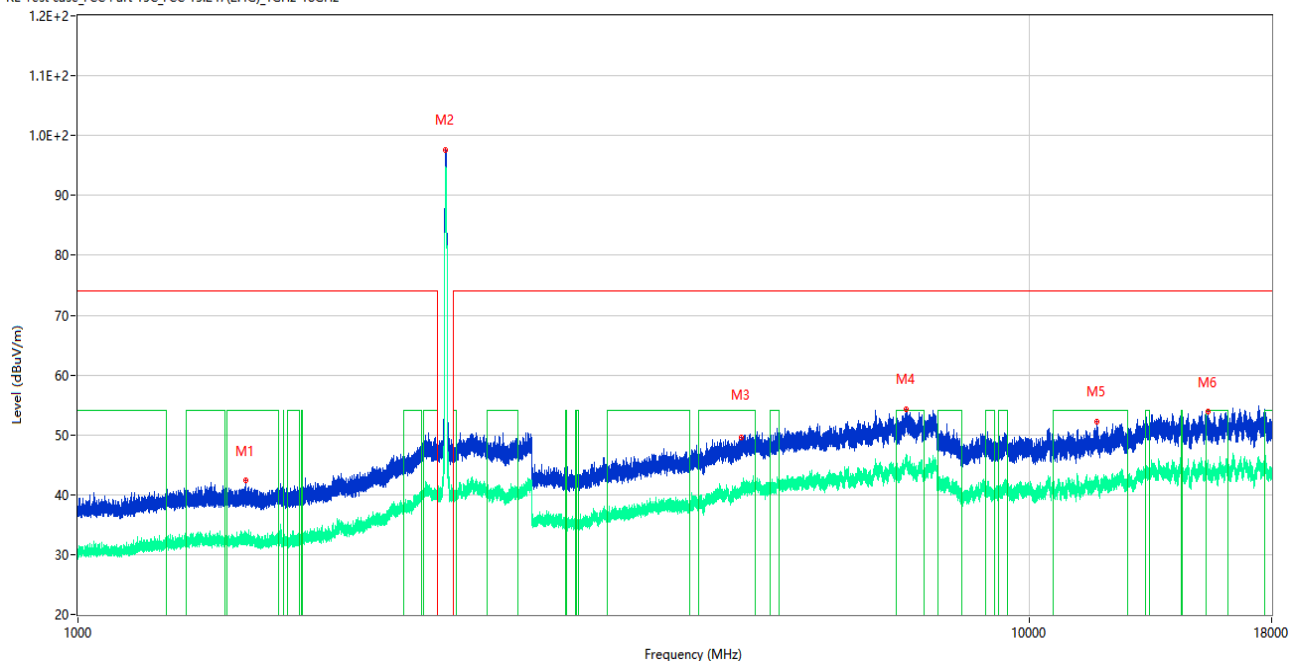
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.000	42.26	74.0	31.74	Peak	92.00	400	Vertical	Pass
1**	1497.000	32.25	54.0	21.75	AV	92.00	400	Vertical	Pass
2	2412.900	99.41	--	--	Peak	259.00	100	Vertical	N/A
2**	2412.900	96.56	--	--	AV	259.00	100	Vertical	N/A
3	4823.750	50.99	74.0	23.01	Peak	122.00	100	Vertical	Pass
3**	4823.750	43.55	54.0	10.45	AV	122.00	100	Vertical	Pass
4	4824.250	49.26	74.0	24.74	Peak	60.00	100	Vertical	Pass
4**	4824.250	45.24	54.0	8.76	AV	60.00	100	Vertical	Pass
5	7664.250	54.22	74.0	19.78	Peak	212.00	100	Vertical	Pass
5**	7664.250	43.57	54.0	10.43	AV	212.00	100	Vertical	Pass
6	15903.150	54.03	74.0	19.97	Peak	210.00	200	Vertical	Pass
6**	15903.150	45.17	54.0	8.83	AV	210.00	200	Vertical	Pass

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

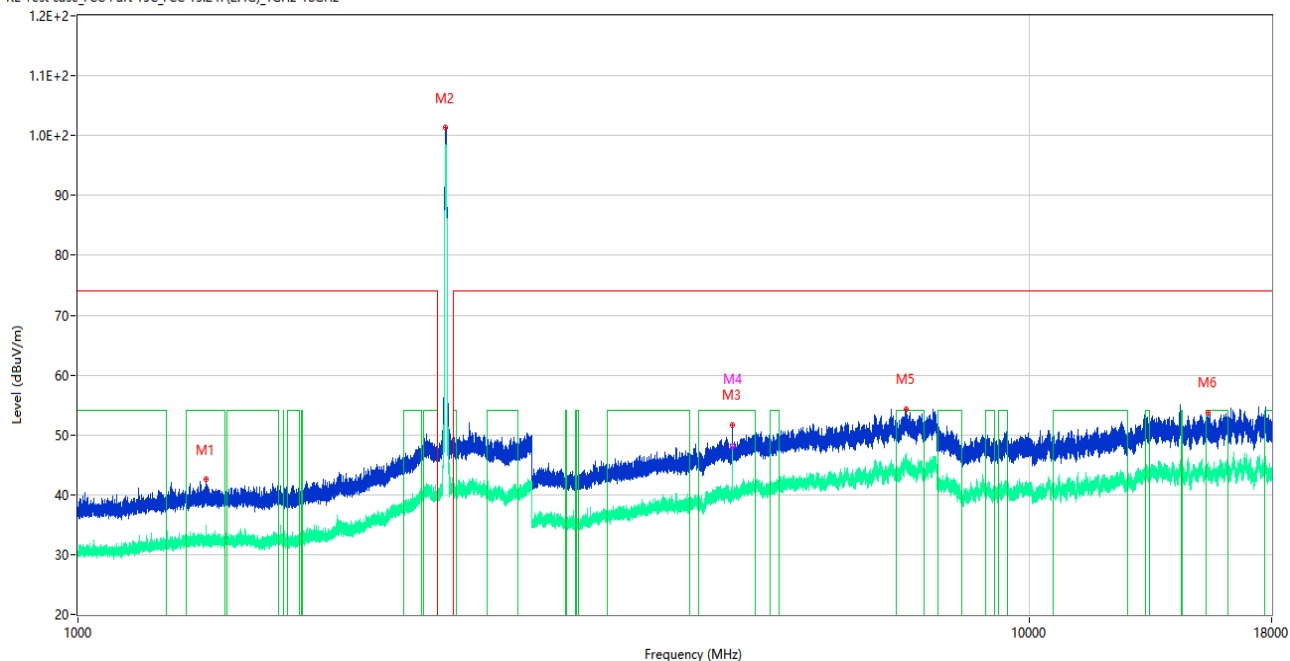
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1502.100	42.36	74.0	31.64	Peak	209.00	200	Horizontal	Pass
1**	1502.100	31.87	54.0	22.13	AV	209.00	200	Horizontal	Pass
2	2435.800	97.63	--	--	Peak	81.00	150	Horizontal	N/A
2**	2435.800	94.69	--	--	AV	81.00	150	Horizontal	N/A
3	4986.500	49.57	74.0	24.43	Peak	0.00	150	Horizontal	Pass
3**	4986.500	40.70	54.0	13.30	AV	0.00	150	Horizontal	Pass
4	7431.000	54.29	74.0	19.71	Peak	254.00	200	Horizontal	Pass
4**	7431.000	46.33	54.0	7.67	AV	254.00	200	Horizontal	Pass
5	11794.062	52.23	74.0	21.77	Peak	352.00	200	Horizontal	Pass
5**	11794.062	41.89	54.0	12.11	AV	352.00	200	Horizontal	Pass
6	15429.075	53.86	74.0	20.14	Peak	270.00	200	Horizontal	Pass
6**	15429.075	43.83	54.0	10.17	AV	270.00	200	Horizontal	Pass

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

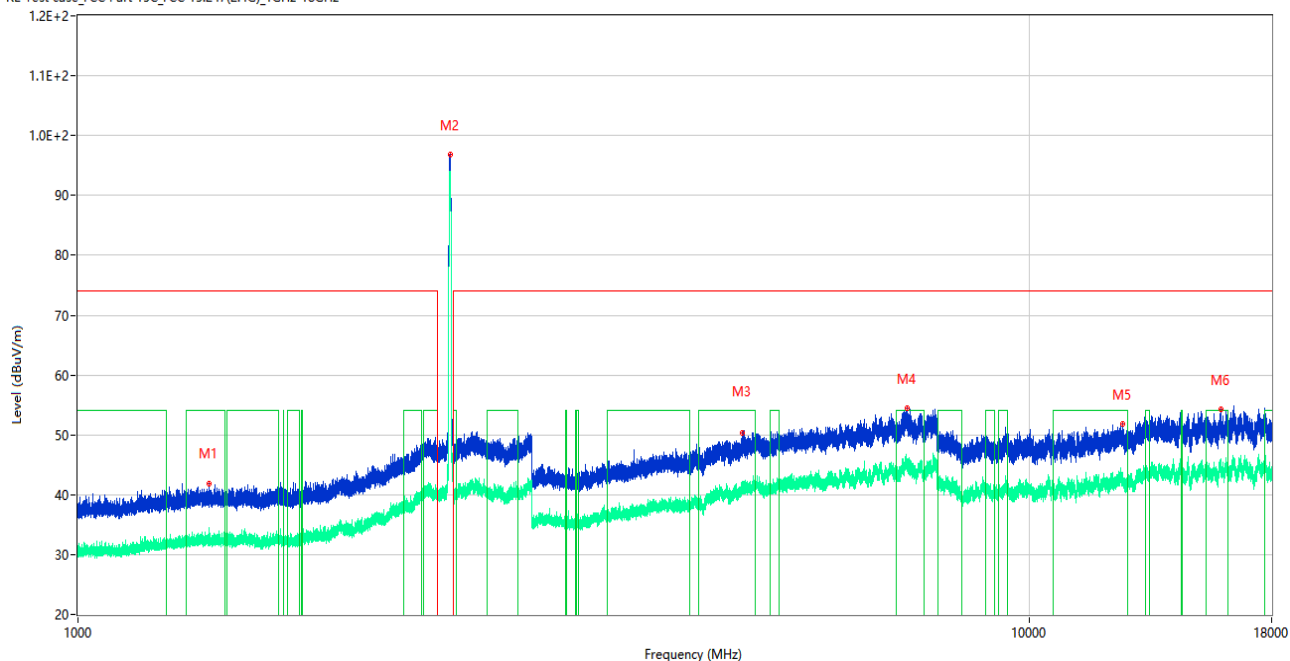
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1362.100	42.51	74.0	31.49	Peak	151.00	100	Vertical	Pass
1**	1362.100	32.18	54.0	21.82	AV	151.00	100	Vertical	Pass
2	2435.800	101.30	--	--	Peak	323.00	200	Vertical	N/A
2**	2435.800	98.42	--	--	AV	323.00	200	Vertical	N/A
3	4874.000	51.68	74.0	22.32	Peak	114.00	150	Vertical	Pass
3**	4874.000	47.44	54.0	6.56	AV	114.00	150	Vertical	Pass
4	4874.250	49.97	74.0	24.03	Peak	114.00	100	Vertical	Pass
4**	4874.250	48.11	54.0	5.89	AV	114.00	100	Vertical	Pass
5	7425.250	54.32	74.0	19.68	Peak	85.00	300	Vertical	Pass
5**	7425.250	46.28	54.0	7.72	AV	85.00	300	Vertical	Pass
6	15418.313	53.77	74.0	20.23	Peak	296.00	100	Vertical	Pass
6**	15418.313	44.71	54.0	9.29	AV	296.00	100	Vertical	Pass

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

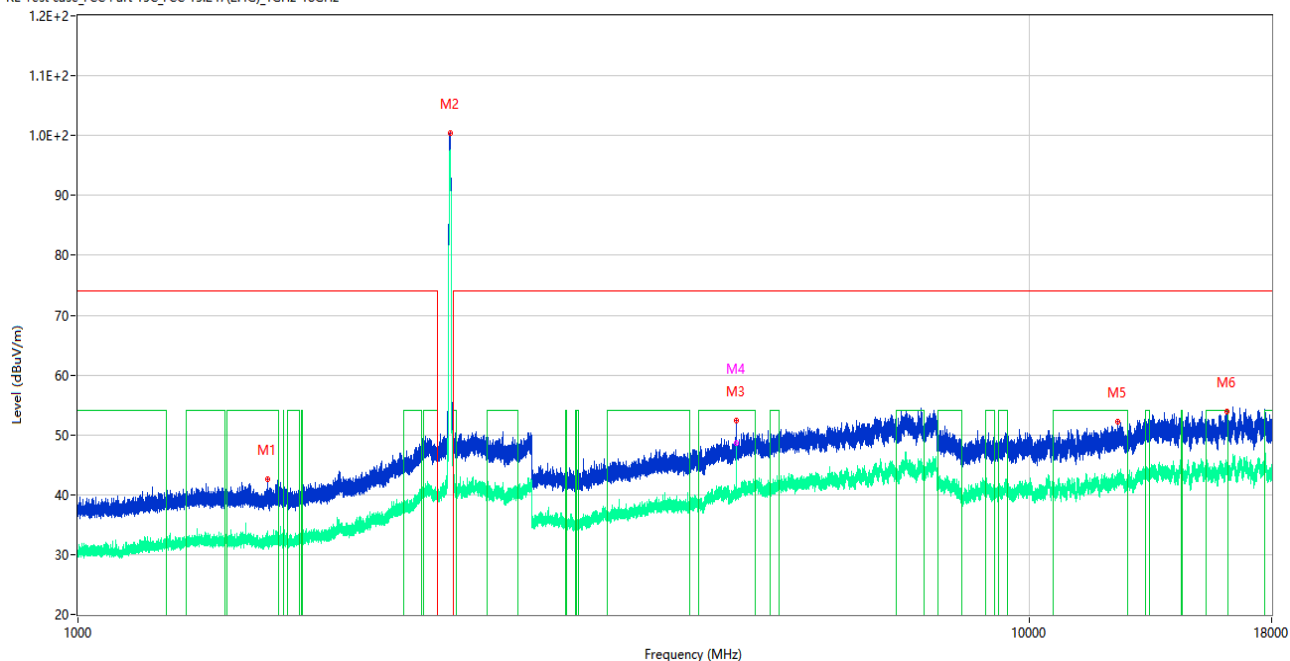
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1375.000	41.90	74.0	32.10	Peak	207.00	100	Horizontal	Pass
1**	1375.000	33.51	54.0	20.49	AV	207.00	100	Horizontal	Pass
2	2463.300	96.81	--	--	Peak	159.00	150	Horizontal	N/A
2**	2463.300	93.95	--	--	AV	159.00	150	Horizontal	N/A
3	4999.750	50.25	74.0	23.75	Peak	360.00	150	Horizontal	Pass
3**	4999.750	40.59	54.0	13.41	AV	360.00	150	Horizontal	Pass
4	7441.500	54.44	74.0	19.56	Peak	140.00	100	Horizontal	Pass
4**	7441.500	45.09	54.0	8.91	AV	140.00	100	Horizontal	Pass
5	12535.063	51.79	74.0	22.21	Peak	203.00	100	Horizontal	Pass
5**	12535.063	42.02	54.0	11.98	AV	203.00	100	Horizontal	Pass
6	15917.062	54.19	74.0	19.81	Peak	116.00	200	Horizontal	Pass
6**	15917.062	45.80	54.0	8.20	AV	116.00	200	Horizontal	Pass

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

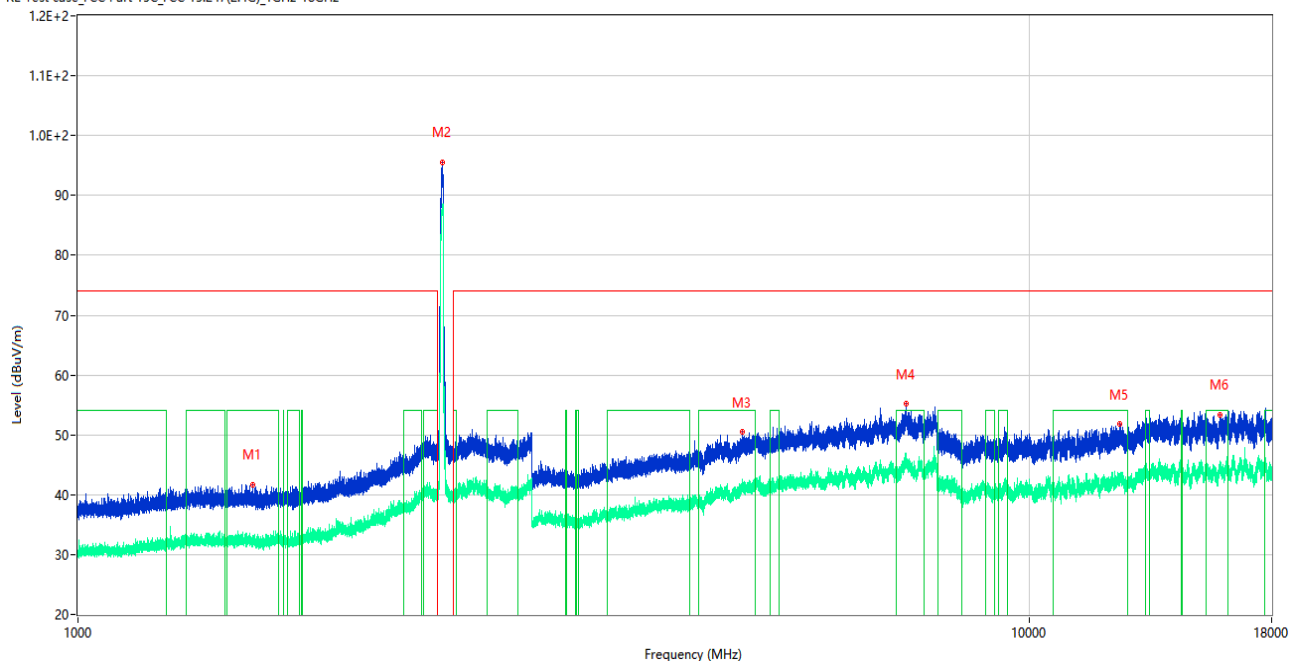
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1582.800	42.52	74.0	31.48	Peak	0.00	100	Vertical	Pass
1**	1582.800	32.25	54.0	21.75	AV	0.00	100	Vertical	Pass
2	2463.300	100.35	--	--	Peak	311.00	100	Vertical	N/A
2**	2463.300	97.50	--	--	AV	311.00	100	Vertical	N/A
3	4923.750	52.36	74.0	21.64	Peak	108.00	100	Vertical	Pass
3**	4923.750	46.10	54.0	7.90	AV	108.00	100	Vertical	Pass
4	4924.000	51.63	74.0	22.37	Peak	108.00	100	Vertical	Pass
4**	4924.000	48.58	54.0	5.42	AV	108.00	100	Vertical	Pass
5	12408.713	52.15	74.0	21.85	Peak	128.00	100	Vertical	Pass
5**	12408.713	42.39	54.0	11.61	AV	128.00	100	Vertical	Pass
6	16165.387	53.84	74.0	20.16	Peak	200.00	400	Vertical	Pass
6**	16165.387	44.16	54.0	9.84	AV	200.00	400	Vertical	Pass

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

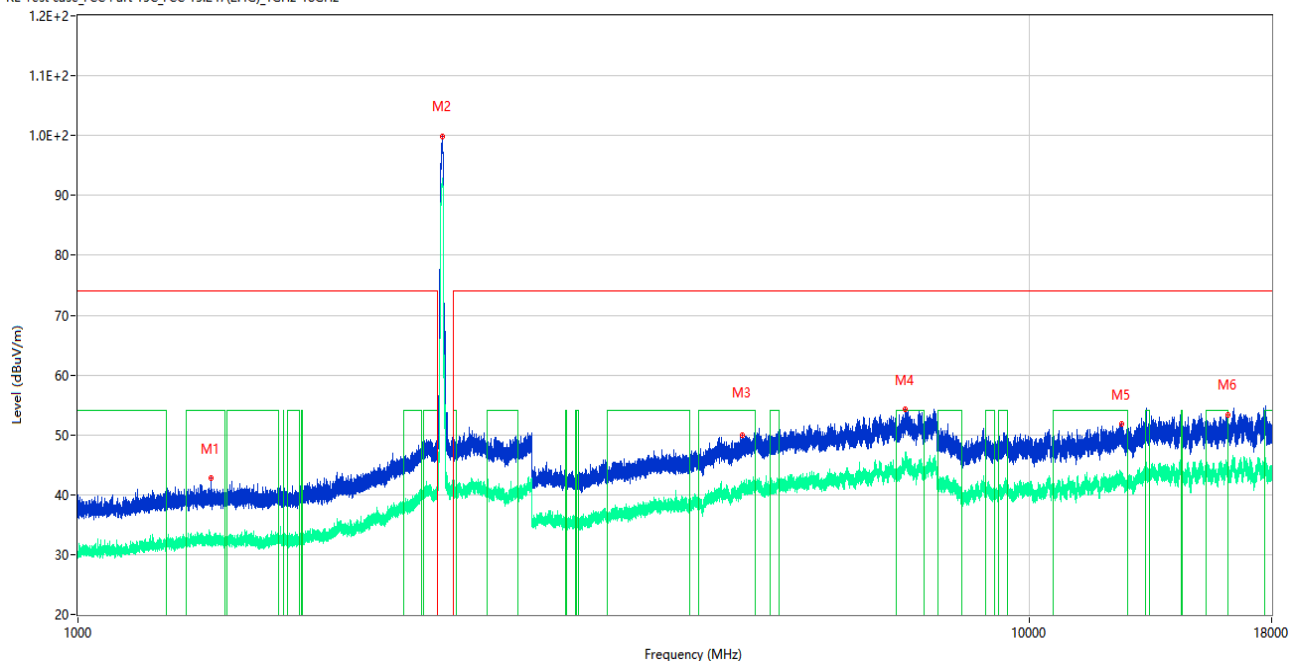
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.500	41.74	74.0	32.26	Peak	45.00	400	Horizontal	Pass
1**	1527.500	32.62	54.0	21.38	AV	45.00	400	Horizontal	Pass
2	2417.700	95.54	--	--	Peak	161.00	100	Horizontal	N/A
2**	2417.700	88.60	--	--	AV	161.00	100	Horizontal	N/A
3	4999.250	50.48	74.0	23.52	Peak	24.00	200	Horizontal	Pass
3**	4999.250	40.97	54.0	13.03	AV	24.00	200	Horizontal	Pass
4	7436.500	55.15	74.0	18.85	Peak	360.00	400	Horizontal	Pass
4**	7436.500	45.44	54.0	8.56	AV	360.00	400	Horizontal	Pass
5	12464.050	51.81	74.0	22.19	Peak	259.00	200	Horizontal	Pass
5**	12464.050	42.48	54.0	11.52	AV	259.00	200	Horizontal	Pass
6	15890.025	53.40	74.0	20.60	Peak	247.00	200	Horizontal	Pass
6**	15890.025	44.29	54.0	9.71	AV	247.00	200	Horizontal	Pass

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

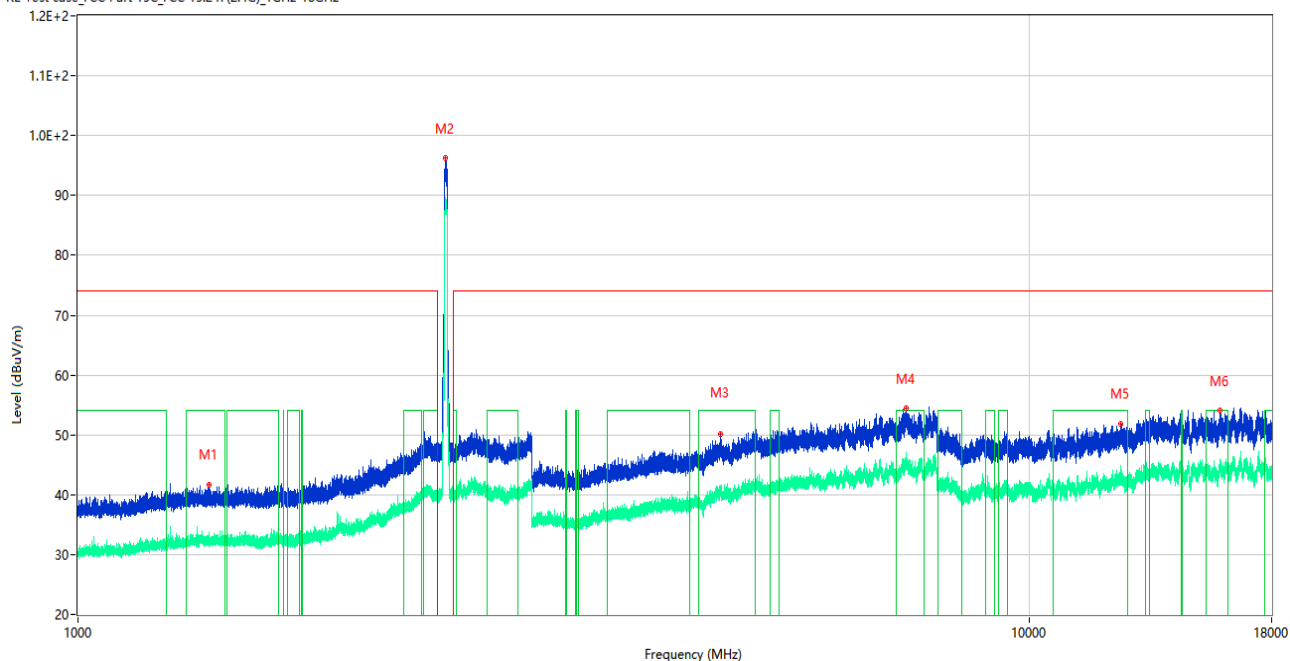
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1380.000	42.74	74.0	31.26	Peak	335.00	400	Vertical	Pass
1**	1380.000	32.17	54.0	21.83	AV	335.00	400	Vertical	Pass
2	2418.600	99.84	--	--	Peak	267.00	150	Vertical	N/A
2**	2418.600	92.29	--	--	AV	267.00	150	Vertical	N/A
3	4998.500	49.93	74.0	24.07	Peak	143.00	150	Vertical	Pass
3**	4998.500	41.04	54.0	12.96	AV	143.00	150	Vertical	Pass
4	7419.500	54.18	74.0	19.82	Peak	359.00	100	Vertical	Pass
4**	7419.500	45.92	54.0	8.08	AV	359.00	100	Vertical	Pass
5	12512.737	51.78	74.0	22.22	Peak	200.00	150	Vertical	Pass
5**	12512.737	42.54	54.0	11.46	AV	200.00	150	Vertical	Pass
6	16177.200	53.34	74.0	20.66	Peak	247.00	100	Vertical	Pass
6**	16177.200	43.25	54.0	10.75	AV	247.00	100	Vertical	Pass

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

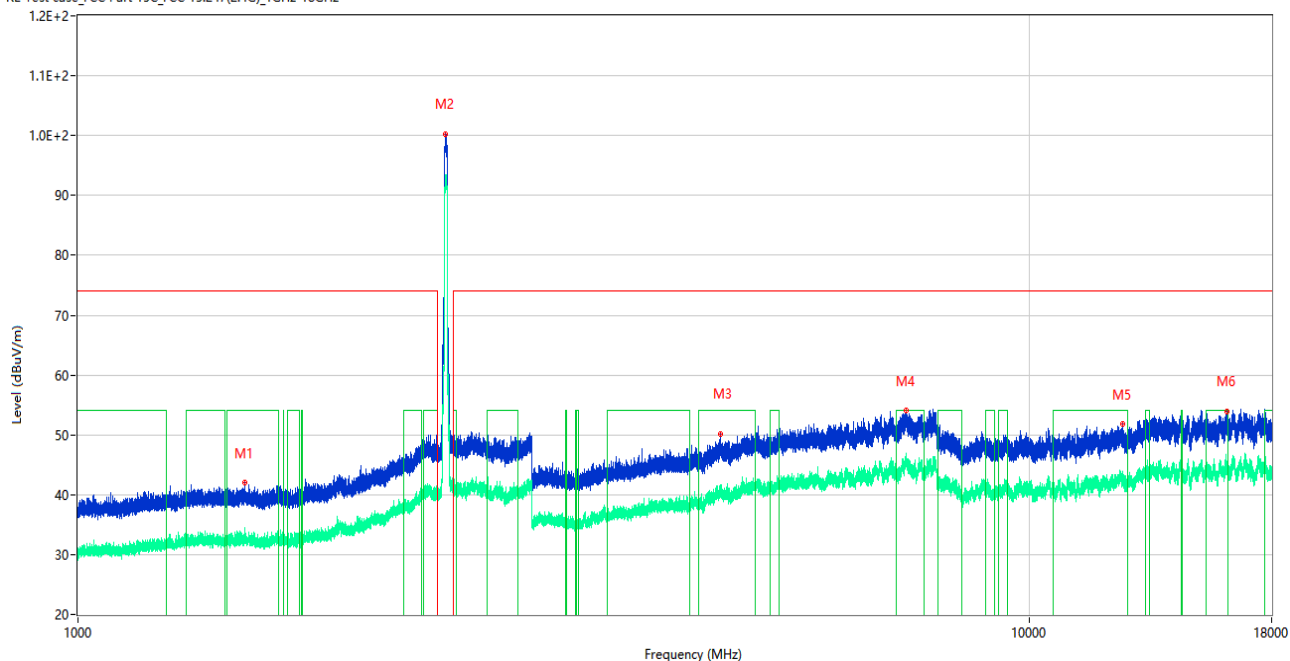
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1375.100	41.72	74.0	32.28	Peak	360.00	100	Horizontal	Pass
1**	1375.100	33.07	54.0	20.93	AV	360.00	100	Horizontal	Pass
2	2435.900	96.18	--	--	Peak	78.00	200	Horizontal	N/A
2**	2435.900	89.20	--	--	AV	78.00	200	Horizontal	N/A
3	4739.500	50.12	74.0	23.88	Peak	113.00	200	Horizontal	Pass
3**	4739.500	40.72	54.0	13.28	AV	113.00	200	Horizontal	Pass
4	7425.750	54.40	74.0	19.60	Peak	23.00	100	Horizontal	Pass
4**	7425.750	46.16	54.0	7.84	AV	23.00	100	Horizontal	Pass
5	12477.350	51.90	74.0	22.10	Peak	65.00	100	Horizontal	Pass
5**	12477.350	42.59	54.0	11.41	AV	65.00	100	Horizontal	Pass
6	15902.625	54.00	74.0	20.00	Peak	128.00	200	Horizontal	Pass
6**	15902.625	44.48	54.0	9.52	AV	128.00	200	Horizontal	Pass

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

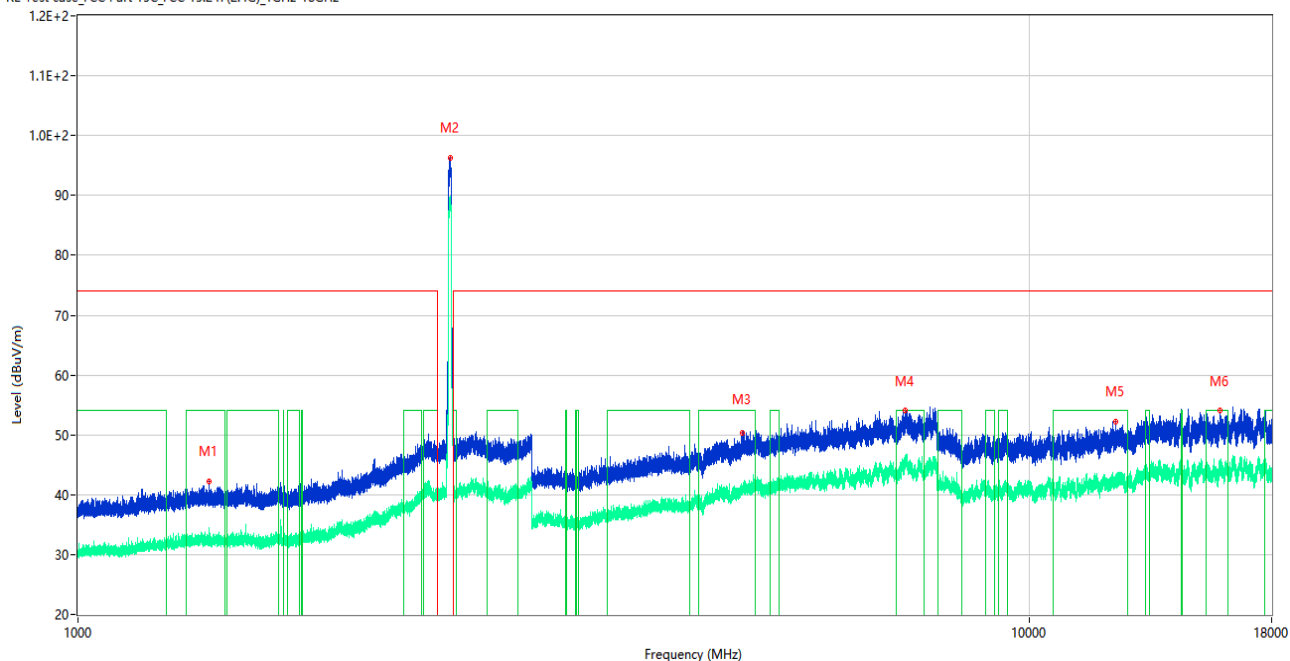
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.300	42.01	74.0	31.99	Peak	152.00	200	Vertical	Pass
1**	1499.300	32.63	54.0	21.37	AV	152.00	200	Vertical	Pass
2	2435.500	100.25	--	--	Peak	318.00	150	Vertical	N/A
2**	2435.500	93.02	--	--	AV	318.00	150	Vertical	N/A
3	4734.750	50.19	74.0	23.81	Peak	174.00	150	Vertical	Pass
3**	4734.750	41.01	54.0	12.99	AV	174.00	150	Vertical	Pass
4	7426.250	54.00	74.0	20.00	Peak	210.00	400	Vertical	Pass
4**	7426.250	46.08	54.0	7.92	AV	210.00	400	Vertical	Pass
5	12557.625	51.77	74.0	22.23	Peak	336.00	150	Vertical	Pass
5**	12557.625	42.40	54.0	11.60	AV	336.00	150	Vertical	Pass
6	16140.975	53.99	74.0	20.01	Peak	298.00	400	Vertical	Pass
6**	16140.975	44.09	54.0	9.91	AV	298.00	400	Vertical	Pass

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

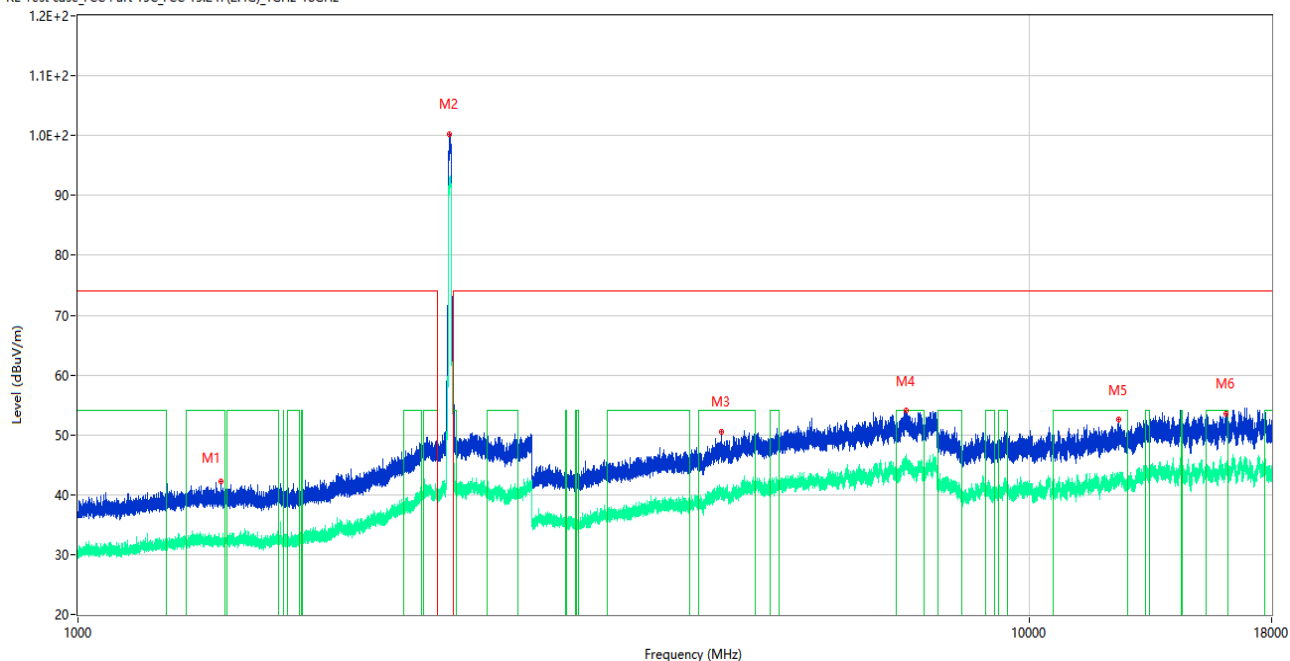
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1374.900	42.25	74.0	31.75	Peak	7.00	400	Horizontal	Pass
1**	1374.900	34.53	54.0	19.47	AV	7.00	400	Horizontal	Pass
2	2463.600	96.35	--	--	Peak	149.00	200	Horizontal	N/A
2**	2463.600	89.26	--	--	AV	149.00	200	Horizontal	N/A
3	4999.250	50.32	74.0	23.68	Peak	77.00	200	Horizontal	Pass
3**	4999.250	41.51	54.0	12.49	AV	77.00	200	Horizontal	Pass
4	7408.000	54.07	74.0	19.93	Peak	203.00	100	Horizontal	Pass
4**	7408.000	45.07	54.0	8.93	AV	203.00	100	Horizontal	Pass
5	12345.300	52.26	74.0	21.74	Peak	72.00	100	Horizontal	Pass
5**	12345.300	42.53	54.0	11.47	AV	72.00	100	Horizontal	Pass
6	15885.825	54.00	74.0	20.00	Peak	215.00	100	Horizontal	Pass
6**	15885.825	44.15	54.0	9.85	AV	215.00	100	Horizontal	Pass

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

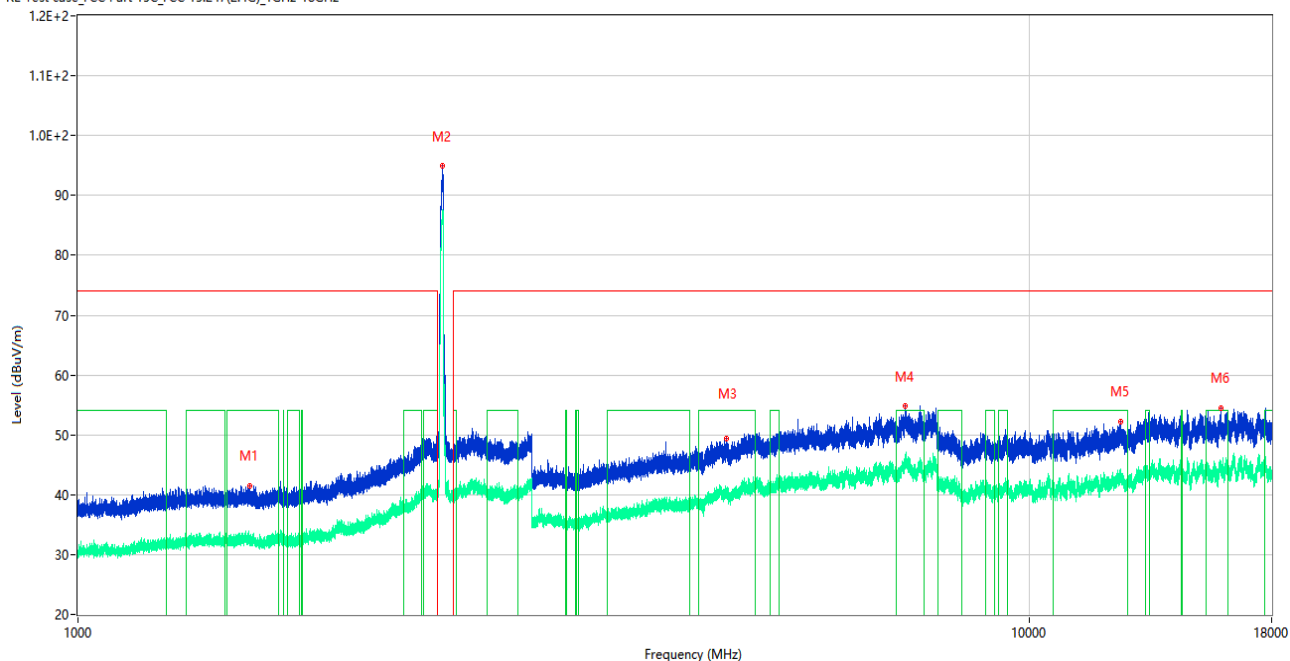
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1412.200	42.15	74.0	31.85	Peak	212.00	200	Vertical	Pass
1**	1412.200	32.55	54.0	21.45	AV	212.00	200	Vertical	Pass
2	2460.800	100.27	--	--	Peak	319.00	100	Vertical	N/A
2**	2460.800	92.52	--	--	AV	319.00	100	Vertical	N/A
3	4752.750	50.59	74.0	23.41	Peak	291.00	200	Vertical	Pass
3**	4752.750	39.76	54.0	14.24	AV	291.00	200	Vertical	Pass
4	7422.750	54.07	74.0	19.93	Peak	291.00	400	Vertical	Pass
4**	7422.750	46.16	54.0	7.84	AV	291.00	400	Vertical	Pass
5	12438.400	52.53	74.0	21.47	Peak	360.00	100	Vertical	Pass
5**	12438.400	42.41	54.0	11.59	AV	360.00	100	Vertical	Pass
6	16134.150	53.56	74.0	20.44	Peak	338.00	300	Vertical	Pass
6**	16134.150	44.18	54.0	9.82	AV	338.00	300	Vertical	Pass

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

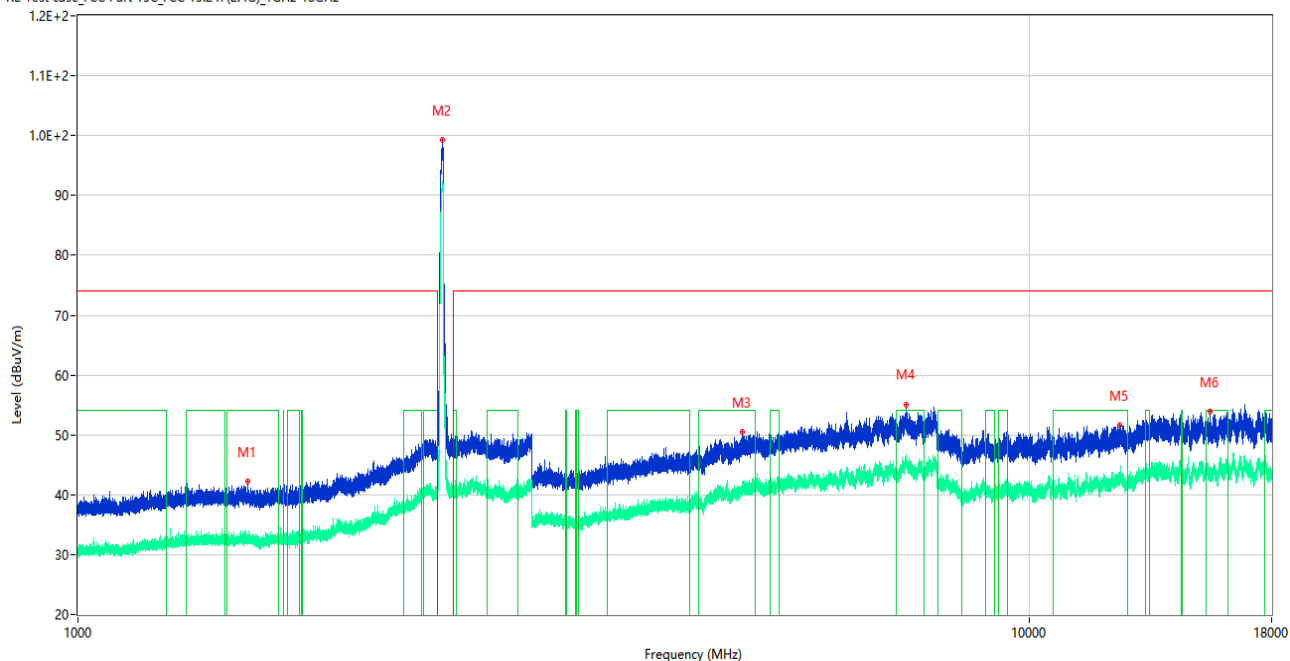
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1516.100	41.51	74.0	32.49	Peak	257.00	200	Horizontal	Pass
1**	1516.100	32.71	54.0	21.29	AV	257.00	200	Horizontal	Pass
2	2419.400	94.90	--	--	Peak	154.00	150	Horizontal	N/A
2**	2419.400	86.99	--	--	AV	154.00	150	Horizontal	N/A
3	4805.750	49.39	74.0	24.61	Peak	306.00	200	Horizontal	Pass
3**	4805.750	40.62	54.0	13.38	AV	306.00	200	Horizontal	Pass
4	7416.250	54.76	74.0	19.24	Peak	360.00	400	Horizontal	Pass
4**	7416.250	45.65	54.0	8.35	AV	360.00	400	Horizontal	Pass
5	12481.388	52.27	74.0	21.73	Peak	63.00	150	Horizontal	Pass
5**	12481.388	42.97	54.0	11.03	AV	63.00	150	Horizontal	Pass
6	15927.825	54.49	74.0	19.51	Peak	350.00	300	Horizontal	Pass
6**	15927.825	45.13	54.0	8.87	AV	350.00	300	Horizontal	Pass

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

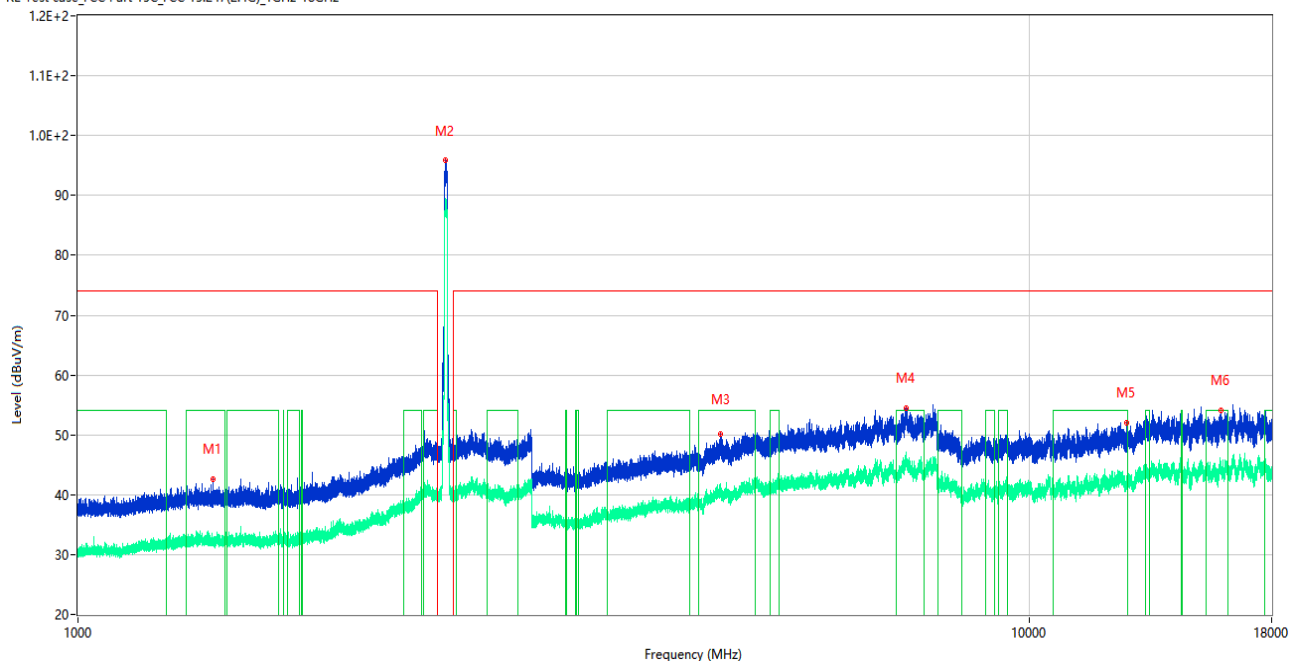
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1509.300	42.19	74.0	31.81	Peak	360.00	400	Vertical	Pass
1**	1509.300	33.17	54.0	20.83	AV	360.00	400	Vertical	Pass
2	2417.800	99.26	--	--	Peak	254.00	150	Vertical	N/A
2**	2417.800	92.38	--	--	AV	254.00	150	Vertical	N/A
3	4999.250	50.48	74.0	23.52	Peak	204.00	150	Vertical	Pass
3**	4999.250	40.84	54.0	13.16	AV	204.00	150	Vertical	Pass
4	7423.500	55.03	74.0	18.97	Peak	360.00	400	Vertical	Pass
4**	7423.500	45.99	54.0	8.01	AV	360.00	400	Vertical	Pass
5	12459.537	51.55	74.0	22.45	Peak	281.00	150	Vertical	Pass
5**	12459.537	43.00	54.0	11.00	AV	281.00	150	Vertical	Pass
6	15495.750	53.82	74.0	20.18	Peak	52.00	400	Vertical	Pass
6**	15495.750	43.97	54.0	10.03	AV	52.00	400	Vertical	Pass

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

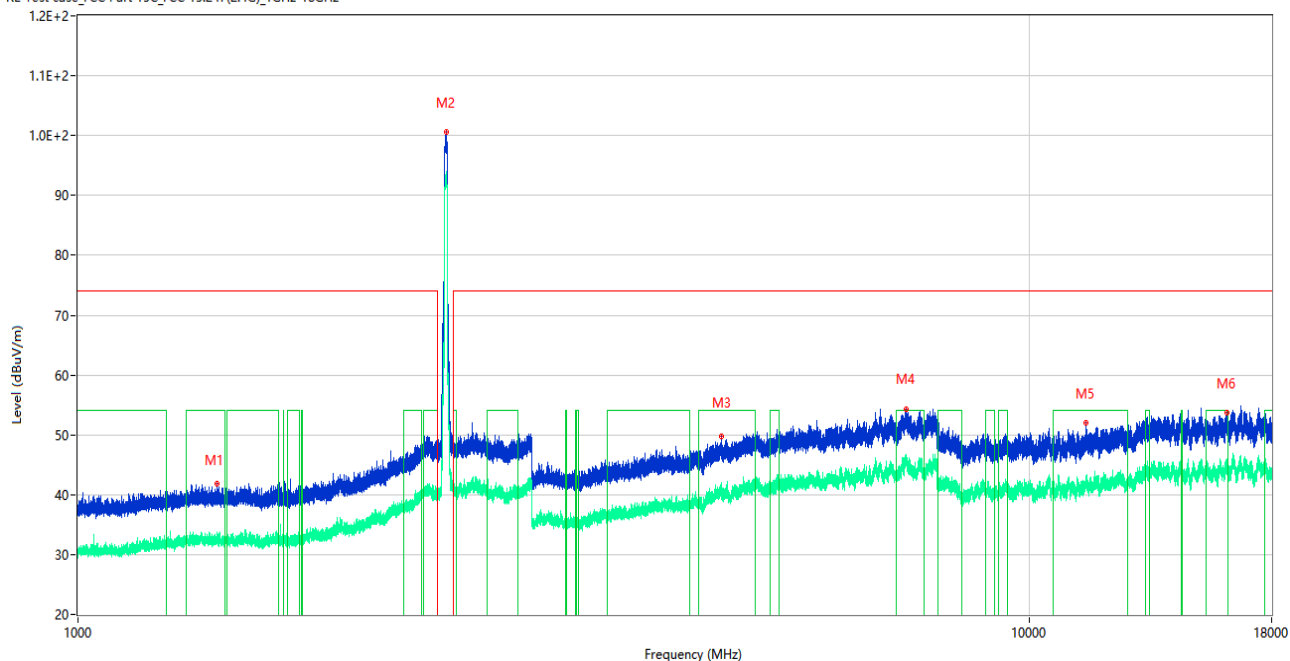
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1386.200	42.67	74.0	31.33	Peak	243.00	300	Horizontal	Pass
1**	1386.200	32.08	54.0	21.92	AV	243.00	300	Horizontal	Pass
2	2434.700	95.82	--	--	Peak	71.00	100	Horizontal	N/A
2**	2434.700	88.12	--	--	AV	71.00	100	Horizontal	N/A
3	4734.250	50.22	74.0	23.78	Peak	125.00	200	Horizontal	Pass
3**	4734.250	40.99	54.0	13.01	AV	125.00	200	Horizontal	Pass
4	7430.750	54.54	74.0	19.46	Peak	211.00	100	Horizontal	Pass
4**	7430.750	46.02	54.0	7.98	AV	211.00	100	Horizontal	Pass
5	12679.224	52.09	74.0	21.91	Peak	360.00	150	Horizontal	Pass
5**	12679.224	41.43	54.0	12.57	AV	360.00	150	Horizontal	Pass
6	15904.201	54.16	74.0	19.84	Peak	74.00	100	Horizontal	Pass
6**	15904.201	45.33	54.0	8.67	AV	74.00	100	Horizontal	Pass

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

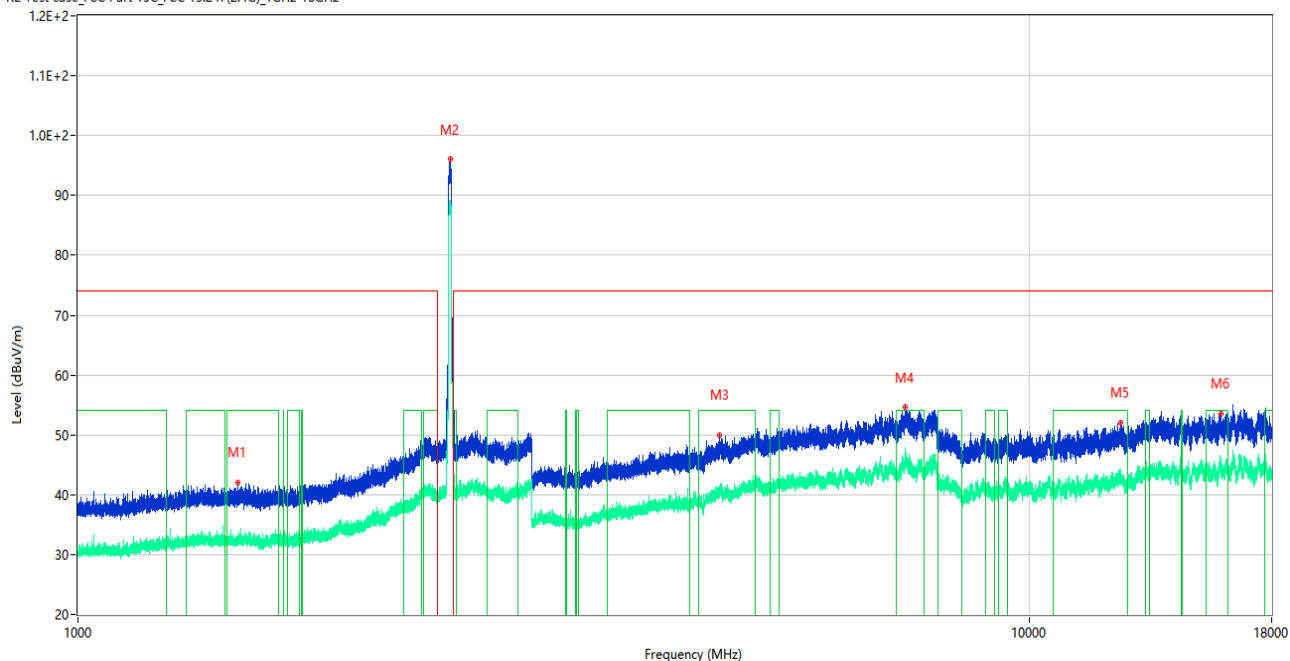
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1399.200	41.90	74.0	32.10	Peak	22.00	400	Vertical	Pass
1**	1399.200	31.95	54.0	22.05	AV	22.00	400	Vertical	Pass
2	2438.400	100.53	--	--	Peak	315.00	200	Vertical	N/A
2**	2438.400	93.95	--	--	AV	315.00	200	Vertical	N/A
3	4748.500	49.83	74.0	24.17	Peak	358.00	150	Vertical	Pass
3**	4748.500	40.50	54.0	13.50	AV	358.00	150	Vertical	Pass
4	7428.750	54.30	74.0	19.70	Peak	79.00	200	Vertical	Pass
4**	7428.750	45.42	54.0	8.58	AV	79.00	200	Vertical	Pass
5	11475.575	51.95	74.0	22.05	Peak	163.00	100	Vertical	Pass
5**	11475.575	41.78	54.0	12.22	AV	163.00	100	Vertical	Pass
6	16155.412	53.66	74.0	20.34	Peak	179.00	400	Vertical	Pass
6**	16155.412	43.99	54.0	10.01	AV	179.00	400	Vertical	Pass

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

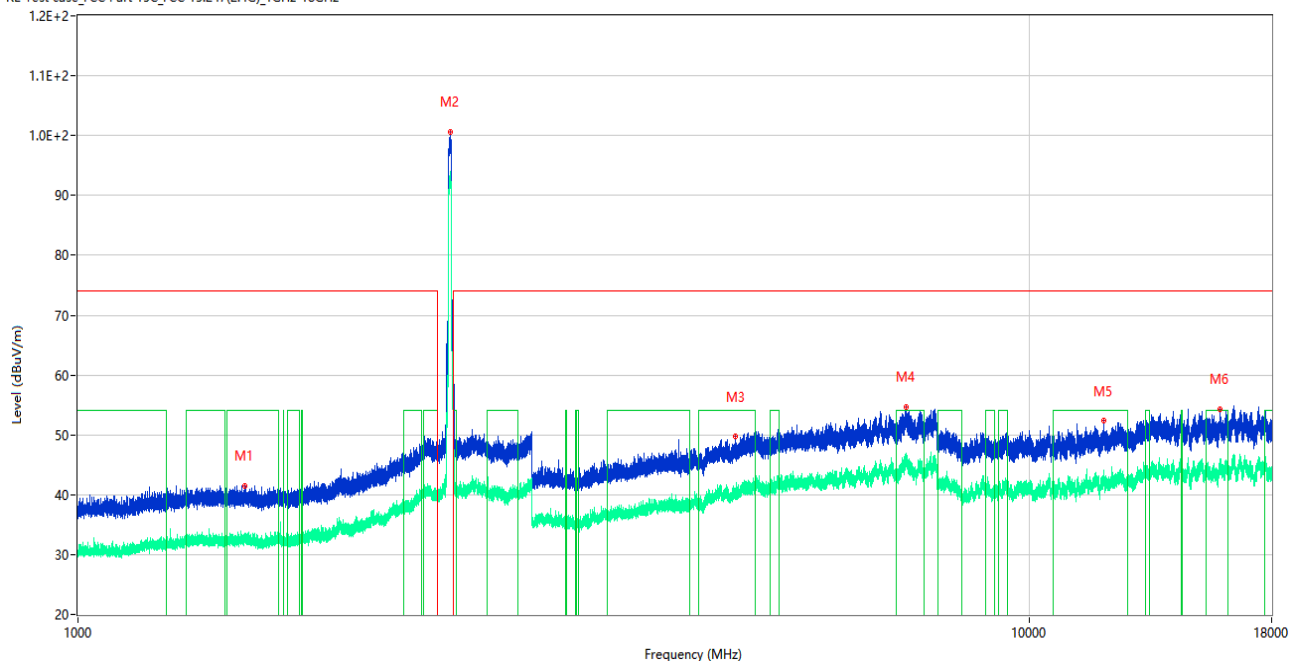
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1471.800	42.08	74.0	31.92	Peak	45.00	400	Horizontal	Pass
1**	1471.800	32.57	54.0	21.43	AV	45.00	400	Horizontal	Pass
2	2464.300	96.02	--	--	Peak	164.00	150	Horizontal	N/A
2**	2464.300	88.55	--	--	AV	164.00	150	Horizontal	N/A
3	4722.000	49.89	74.0	24.11	Peak	0.00	100	Horizontal	Pass
3**	4722.000	40.10	54.0	13.90	AV	0.00	100	Horizontal	Pass
4	7416.250	54.59	74.0	19.41	Peak	155.00	200	Horizontal	Pass
4**	7416.250	45.89	54.0	8.11	AV	155.00	200	Horizontal	Pass
5	12497.537	52.09	74.0	21.91	Peak	125.00	150	Horizontal	Pass
5**	12497.537	42.82	54.0	11.18	AV	125.00	150	Horizontal	Pass
6	15913.912	53.60	74.0	20.40	Peak	81.00	300	Horizontal	Pass
6**	15913.912	44.28	54.0	9.72	AV	81.00	300	Horizontal	Pass

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

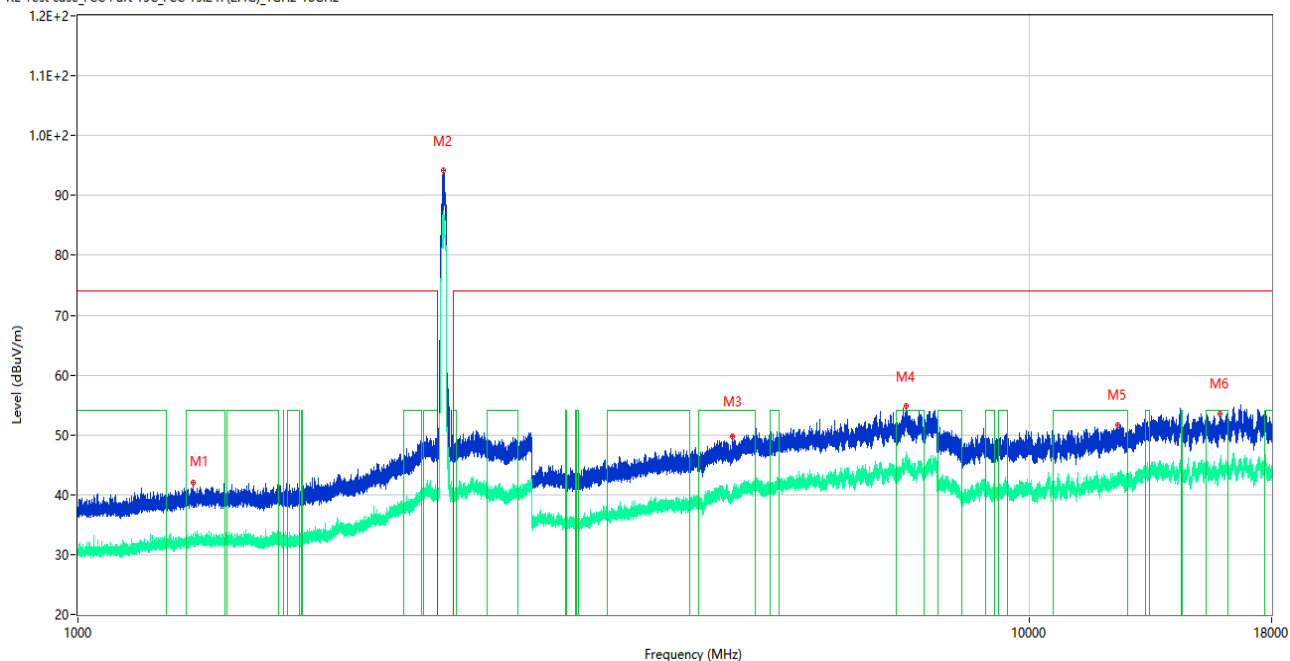
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.700	41.56	74.0	32.44	Peak	309.00	400	Vertical	Pass
1**	1496.700	33.01	54.0	20.99	AV	309.00	400	Vertical	Pass
2	2463.900	100.66	--	--	Peak	309.00	200	Vertical	N/A
2**	2463.900	93.10	--	--	AV	309.00	200	Vertical	N/A
3	4918.000	49.73	74.0	24.27	Peak	92.00	200	Vertical	Pass
3**	4918.000	39.82	54.0	14.18	AV	92.00	200	Vertical	Pass
4	7431.000	54.66	74.0	19.34	Peak	155.00	300	Vertical	Pass
4**	7431.000	46.11	54.0	7.89	AV	155.00	300	Vertical	Pass
5	11988.575	52.30	74.0	21.70	Peak	228.00	200	Vertical	Pass
5**	11988.575	42.77	54.0	11.23	AV	228.00	200	Vertical	Pass
6	15888.451	54.35	74.0	19.65	Peak	0.00	300	Vertical	Pass
6**	15888.451	44.36	54.0	9.64	AV	0.00	300	Vertical	Pass

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

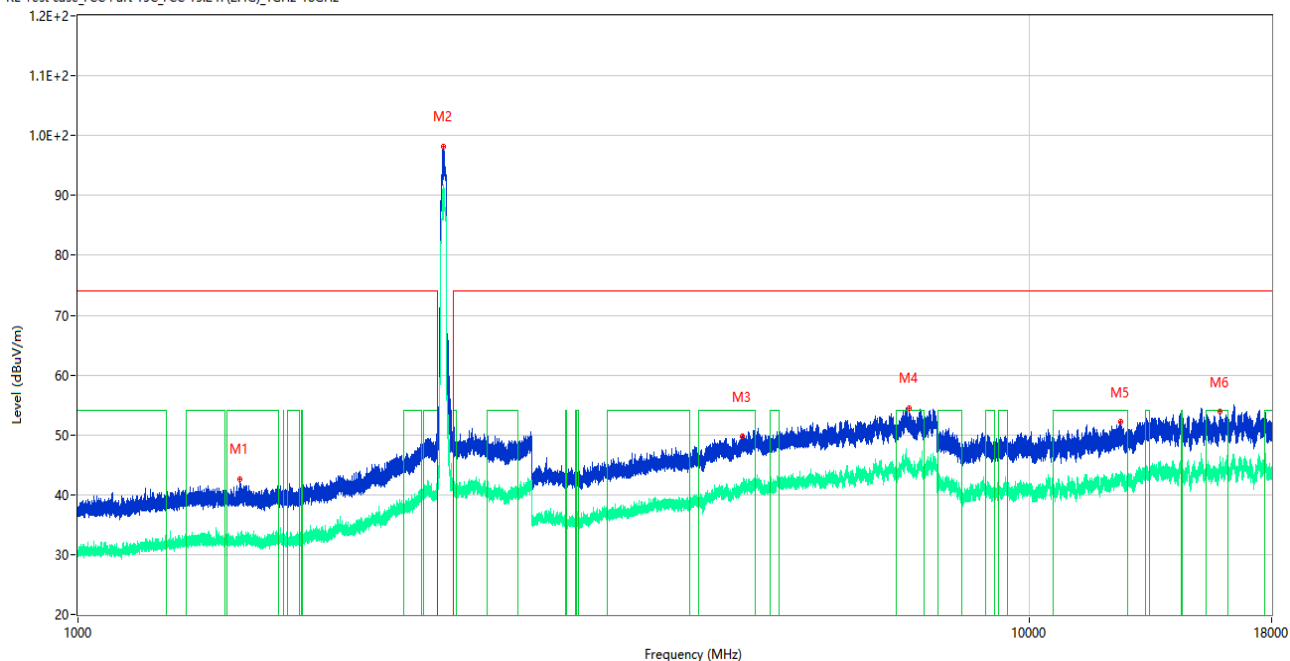
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1321.400	41.96	74.0	32.04	Peak	151.00	400	Horizontal	Pass
1**	1321.400	33.49	54.0	20.51	AV	151.00	400	Horizontal	Pass
2	2423.900	94.17	--	--	Peak	158.00	150	Horizontal	N/A
2**	2423.900	87.42	--	--	AV	158.00	150	Horizontal	N/A
3	4877.250	49.73	74.0	24.27	Peak	0.00	100	Horizontal	Pass
3**	4877.250	39.83	54.0	14.17	AV	0.00	100	Horizontal	Pass
4	7425.500	54.83	74.0	19.17	Peak	349.00	400	Horizontal	Pass
4**	7425.500	46.14	54.0	7.86	AV	349.00	400	Horizontal	Pass
5	12408.475	51.68	74.0	22.32	Peak	207.00	200	Horizontal	Pass
5**	12408.475	42.00	54.0	12.00	AV	207.00	200	Horizontal	Pass
6	15897.113	53.61	74.0	20.39	Peak	342.00	300	Horizontal	Pass
6**	15897.113	45.42	54.0	8.58	AV	342.00	300	Horizontal	Pass

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

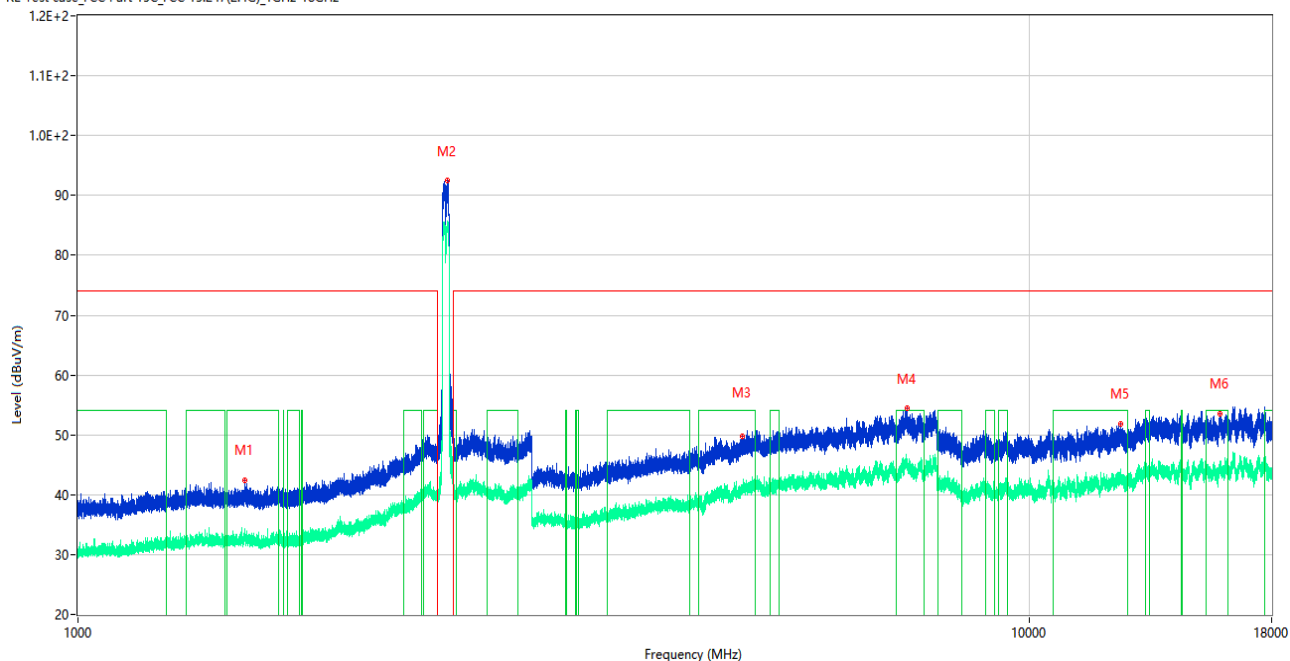
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1480.200	42.64	74.0	31.36	Peak	215.00	100	Vertical	Pass
1**	1480.200	32.77	54.0	21.23	AV	215.00	100	Vertical	Pass
2	2420.000	98.23	--	--	Peak	256.00	150	Vertical	N/A
2**	2420.000	91.07	--	--	AV	256.00	150	Vertical	N/A
3	4999.500	49.83	74.0	24.17	Peak	206.00	150	Vertical	Pass
3**	4999.500	41.03	54.0	12.97	AV	206.00	150	Vertical	Pass
4	7482.750	54.51	74.0	19.49	Peak	0.00	300	Vertical	Pass
4**	7482.750	44.72	54.0	9.28	AV	0.00	300	Vertical	Pass
5	12497.063	52.12	74.0	21.88	Peak	256.00	150	Vertical	Pass
5**	12497.063	42.58	54.0	11.42	AV	256.00	150	Vertical	Pass
6	15903.150	53.86	74.0	20.14	Peak	307.00	300	Vertical	Pass
6**	15903.150	44.54	54.0	9.46	AV	307.00	300	Vertical	Pass

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

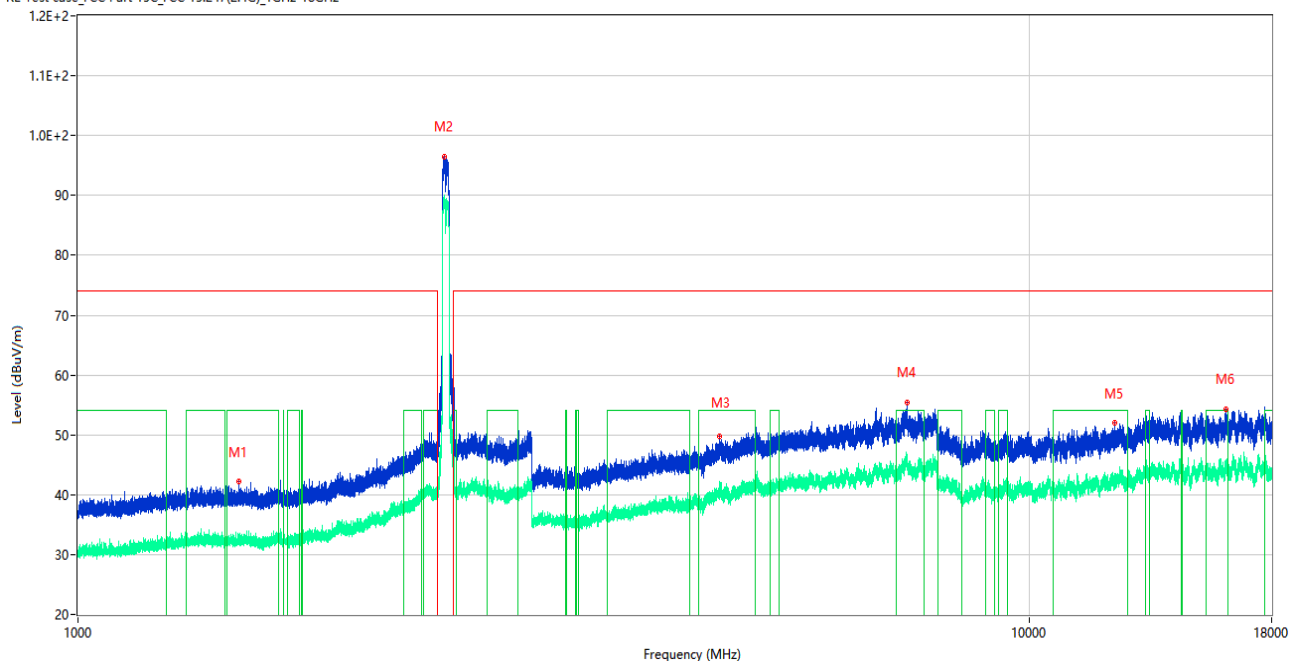
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.100	42.41	74.0	31.59	Peak	335.00	200	Horizontal	Pass
1**	1498.100	33.36	54.0	20.64	AV	335.00	200	Horizontal	Pass
2	2447.800	92.46	--	--	Peak	154.00	100	Horizontal	N/A
2**	2447.800	84.92	--	--	AV	154.00	100	Horizontal	N/A
3	4992.500	49.78	74.0	24.22	Peak	195.00	200	Horizontal	Pass
3**	4992.500	41.09	54.0	12.91	AV	195.00	200	Horizontal	Pass
4	7440.250	54.42	74.0	19.58	Peak	0.00	100	Horizontal	Pass
4**	7440.250	45.09	54.0	8.91	AV	0.00	100	Horizontal	Pass
5	12481.625	51.83	74.0	22.17	Peak	38.00	150	Horizontal	Pass
5**	12481.625	42.51	54.0	11.49	AV	38.00	150	Horizontal	Pass
6	15899.475	53.56	74.0	20.44	Peak	360.00	200	Horizontal	Pass
6**	15899.475	45.37	54.0	8.63	AV	360.00	200	Horizontal	Pass

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

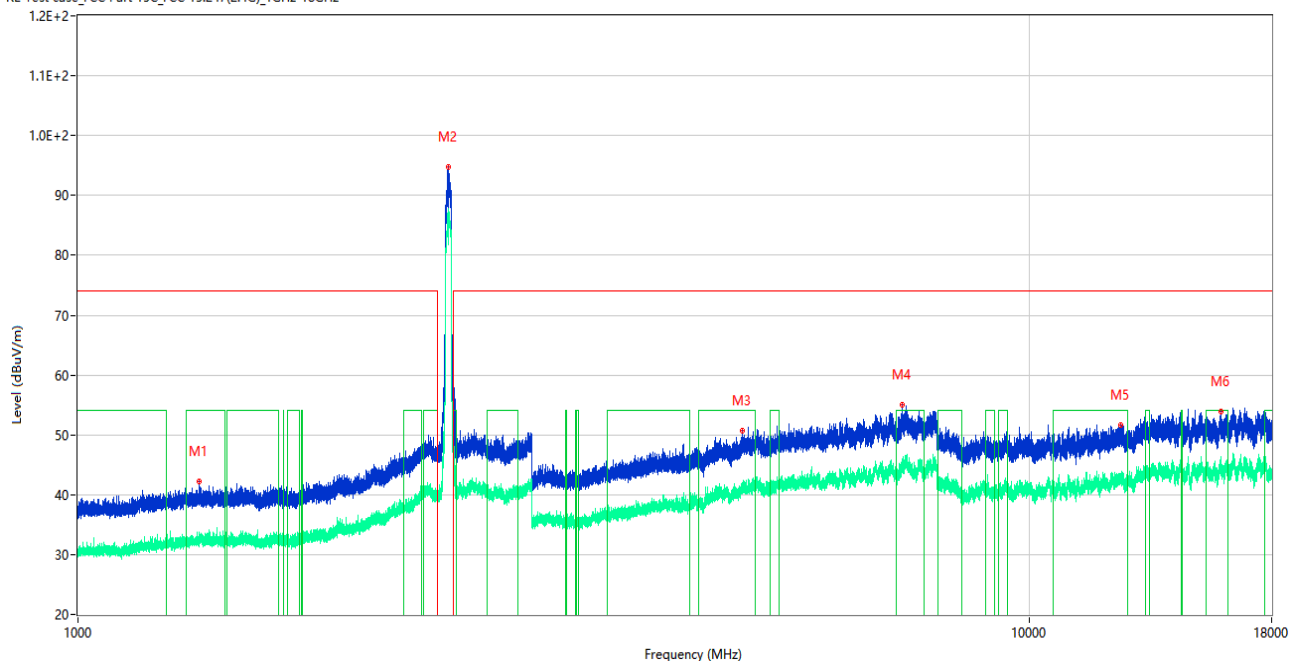
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1476.600	42.18	74.0	31.82	Peak	354.00	300	Vertical	Pass
1**	1476.600	32.39	54.0	21.61	AV	354.00	300	Vertical	Pass
2	2426.800	96.47	--	158.53	Peak	255.00	100	Vertical	Pass
2**	2426.800	88.84	--	-88.84	AV	255.00	100	Vertical	N/A
3	4728.750	49.67	74.0	24.33	Peak	239.00	100	Vertical	Pass
3**	4728.750	39.66	54.0	14.34	AV	239.00	100	Vertical	Pass
4	7443.250	55.47	74.0	18.53	Peak	357.00	300	Vertical	Pass
4**	7443.250	44.79	54.0	9.21	AV	357.00	300	Vertical	Pass
5	12318.224	51.96	74.0	22.04	Peak	263.00	150	Vertical	Pass
5**	12318.224	42.31	54.0	11.69	AV	263.00	150	Vertical	Pass
6	16134.412	54.36	74.0	19.64	Peak	127.00	200	Vertical	Pass
6**	16134.412	44.39	54.0	9.61	AV	127.00	200	Vertical	Pass

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

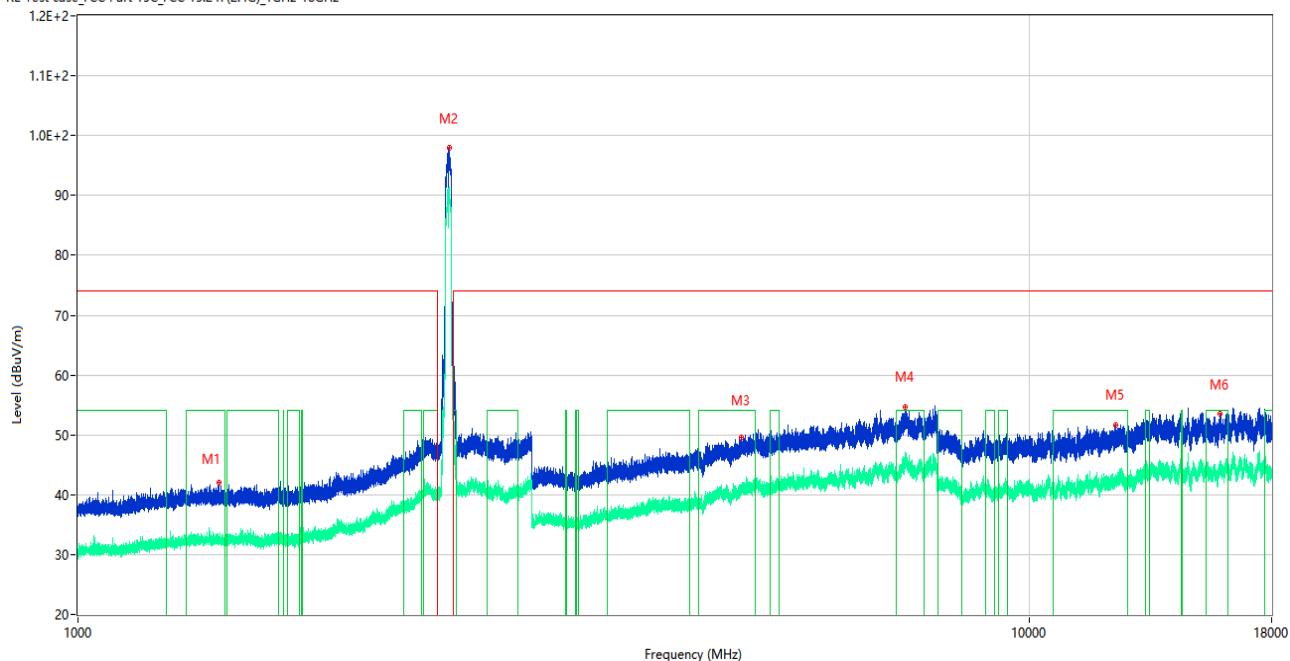
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1341.400	42.26	74.0	31.74	Peak	89.00	200	Horizontal	Pass
1**	1341.400	32.21	54.0	21.79	AV	89.00	200	Horizontal	Pass
2	2450.000	94.77	--	--	Peak	166.00	150	Horizontal	N/A
2**	2450.000	86.87	--	--	AV	166.00	150	Horizontal	N/A
3	4992.250	50.79	74.0	23.21	Peak	331.00	100	Horizontal	Pass
3**	4992.250	41.98	54.0	12.02	AV	331.00	100	Horizontal	Pass
4	7358.000	55.05	74.0	18.95	Peak	271.00	300	Horizontal	Pass
4**	7358.000	45.92	54.0	8.08	AV	271.00	300	Horizontal	Pass
5	12491.600	51.64	74.0	22.36	Peak	333.00	150	Horizontal	Pass
5**	12491.600	42.19	54.0	11.81	AV	333.00	150	Horizontal	Pass
6	15921.526	53.91	74.0	20.09	Peak	215.00	300	Horizontal	Pass
6**	15921.526	44.75	54.0	9.25	AV	215.00	300	Horizontal	Pass

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

RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz

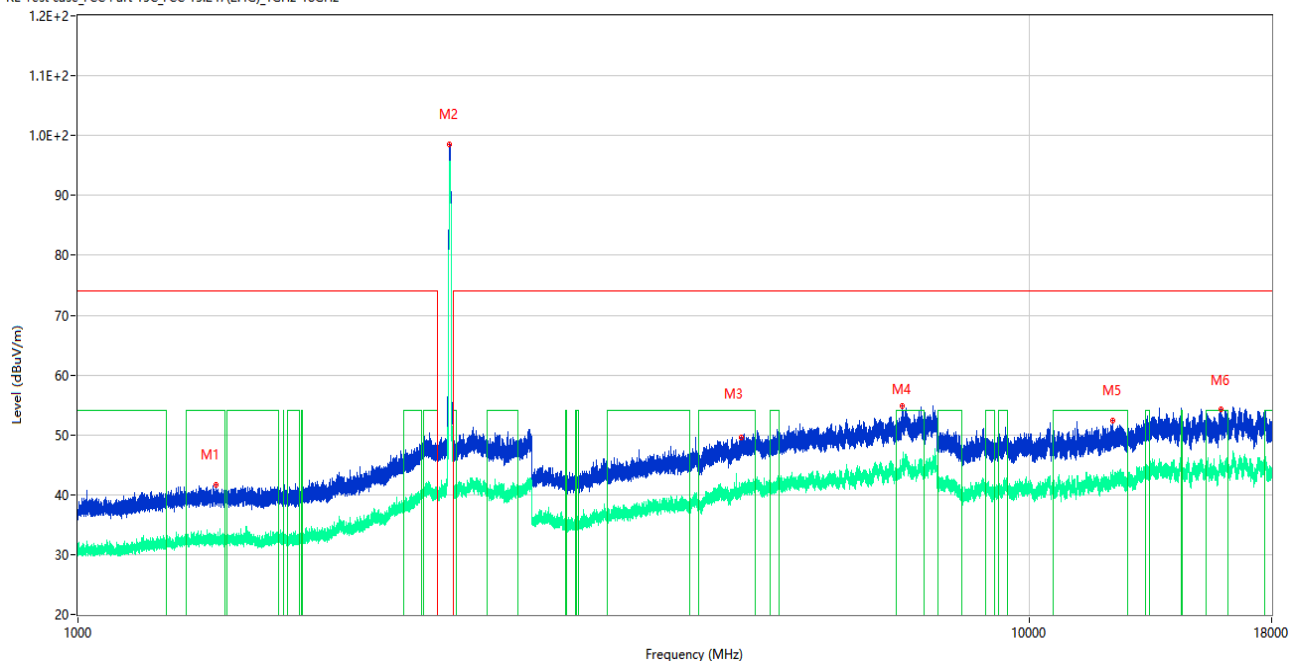


No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1407.800	42.03	74.0	31.97	Peak	248.00	200	Vertical	Pass
1**	1407.800	32.84	54.0	21.16	AV	248.00	200	Vertical	Pass
2	2456.100	97.91	--	--	Peak	327.00	150	Vertical	N/A
2**	2456.100	90.13	--	--	AV	327.00	150	Vertical	N/A
3	4985.500	49.51	74.0	24.49	Peak	359.00	100	Vertical	Pass
3**	4985.500	40.72	54.0	13.28	AV	359.00	100	Vertical	Pass
4	7417.750	54.65	74.0	19.35	Peak	269.00	300	Vertical	Pass
4**	7417.750	45.38	54.0	8.62	AV	269.00	300	Vertical	Pass
5	12343.875	51.64	74.0	22.36	Peak	33.00	100	Vertical	Pass
5**	12343.875	42.02	54.0	11.98	AV	33.00	100	Vertical	Pass
6	15875.063	53.49	74.0	20.51	Peak	208.00	200	Vertical	Pass
6**	15875.063	44.30	54.0	9.70	AV	208.00	200	Vertical	Pass

Motherboard 2

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

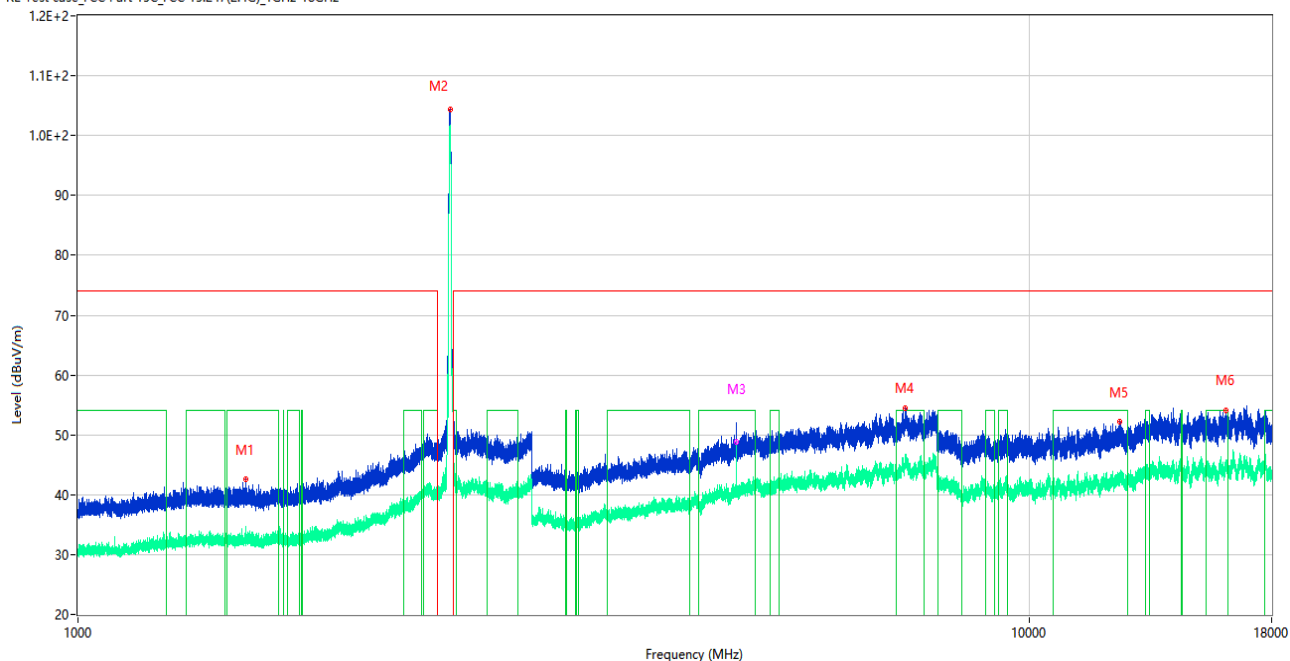
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1395.600	41.75	74.0	32.25	Peak	71.00	300	Horizontal	Pass
1**	1395.600	33.23	54.0	20.77	AV	71.00	300	Horizontal	Pass
2	2460.800	98.52	--	--	Peak	59.00	200	Horizontal	N/A
2**	2460.800	95.62	--	--	AV	59.00	200	Horizontal	N/A
3	4988.750	49.66	74.0	24.34	Peak	162.00	150	Horizontal	Pass
3**	4988.750	41.78	54.0	12.22	AV	162.00	150	Horizontal	Pass
4	7365.000	54.89	74.0	19.11	Peak	239.00	400	Horizontal	Pass
4**	7365.000	45.21	54.0	8.79	AV	239.00	400	Horizontal	Pass
5	12239.612	52.45	74.0	21.55	Peak	264.00	200	Horizontal	Pass
5**	12239.612	43.09	54.0	10.91	AV	264.00	200	Horizontal	Pass
6	15910.500	54.25	74.0	19.75	Peak	60.00	100	Horizontal	Pass
6**	15910.500	44.08	54.0	9.92	AV	60.00	100	Horizontal	Pass

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

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	1500.300	42.53	74.0	31.47	Peak	13.00	400	Vertical	Pass
1**	1500.300	33.97	54.0	20.03	AV	13.00	400	Vertical	Pass
2	2463.300	104.36	--	--	Peak	91.00	100	Vertical	N/A
2**	2463.300	101.54	--	--	AV	91.00	100	Vertical	N/A
3	4924.000	52.01	74.0	21.99	Peak	162.00	150	Vertical	Pass
3**	4924.000	48.77	54.0	5.23	AV	162.00	150	Vertical	Pass
4	7410.750	54.53	74.0	19.47	Peak	192.00	300	Vertical	Pass
4**	7410.750	46.73	54.0	7.27	AV	192.00	300	Vertical	Pass
5	12460.250	52.19	74.0	21.81	Peak	320.00	150	Vertical	Pass
5**	12460.250	43.13	54.0	10.87	AV	320.00	150	Vertical	Pass
6	16128.113	54.11	74.0	19.89	Peak	205.00	100	Vertical	Pass
6**	16128.113	45.17	54.0	8.83	AV	205.00	100	Vertical	Pass

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

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

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

Note ³: According the ANSI C63.10-2020 + 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: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

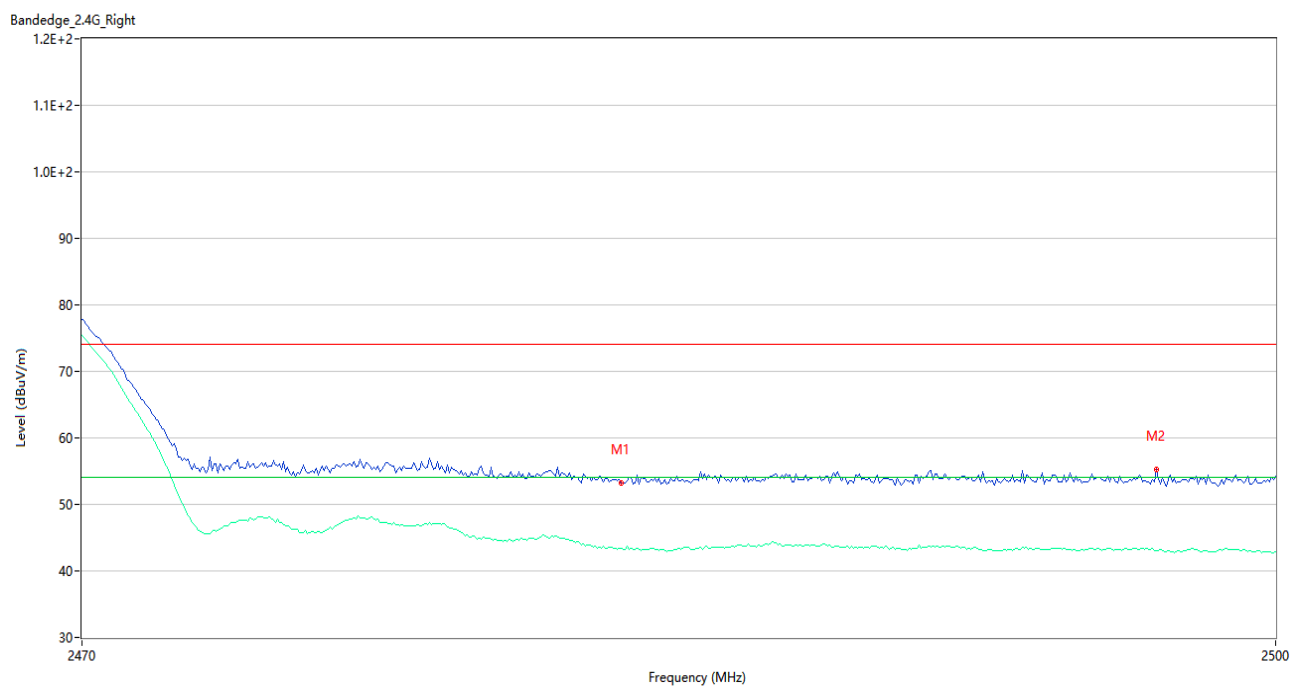
Test Data and Plots

802.11b LOW CHANNEL



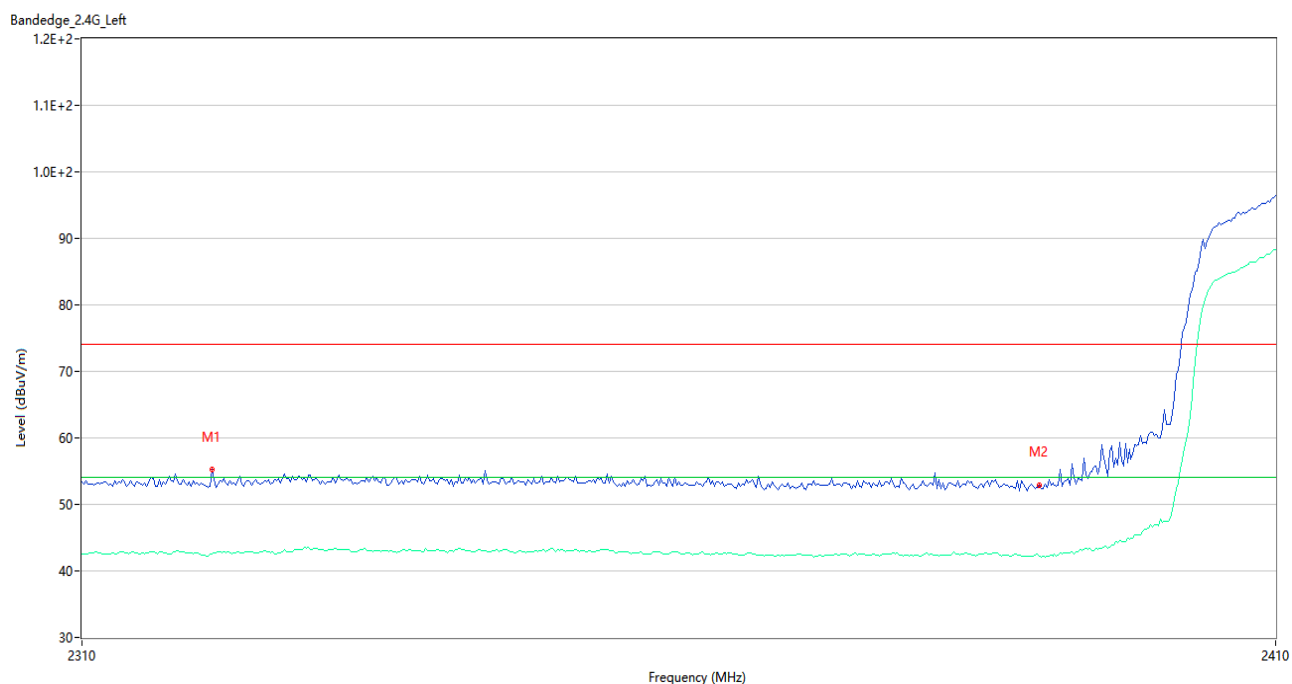
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2334.167	55.12	74.0	18.88	Peak	0.00	150	Vertical	Pass
1**	2334.167	43.07	54.0	10.93	AV	0.00	150	Vertical	Pass
2	2389.833	52.28	74.0	21.72	Peak	111.00	100	Vertical	Pass
2**	2389.833	42.16	54.0	11.84	AV	111.00	100	Vertical	Pass

802.11b HIGH CHANNEL



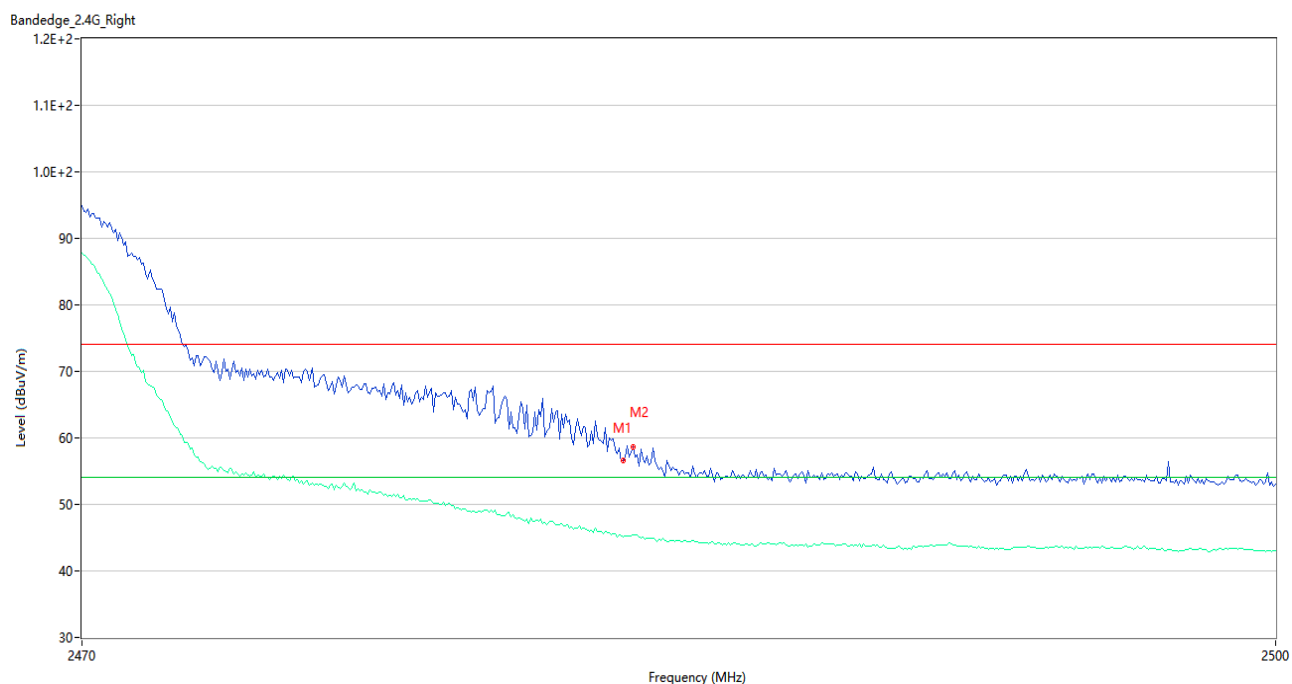
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.26	74.0	20.74	Peak	302.00	200	Vertical	Pass
1**	2483.500	43.46	54.0	10.54	AV	302.00	200	Vertical	Pass
2	2497.000	55.28	74.0	18.72	Peak	311.00	150	Vertical	Pass
2**	2497.000	43.02	54.0	10.98	AV	311.00	150	Vertical	Pass

802.11g LOW CHANNEL



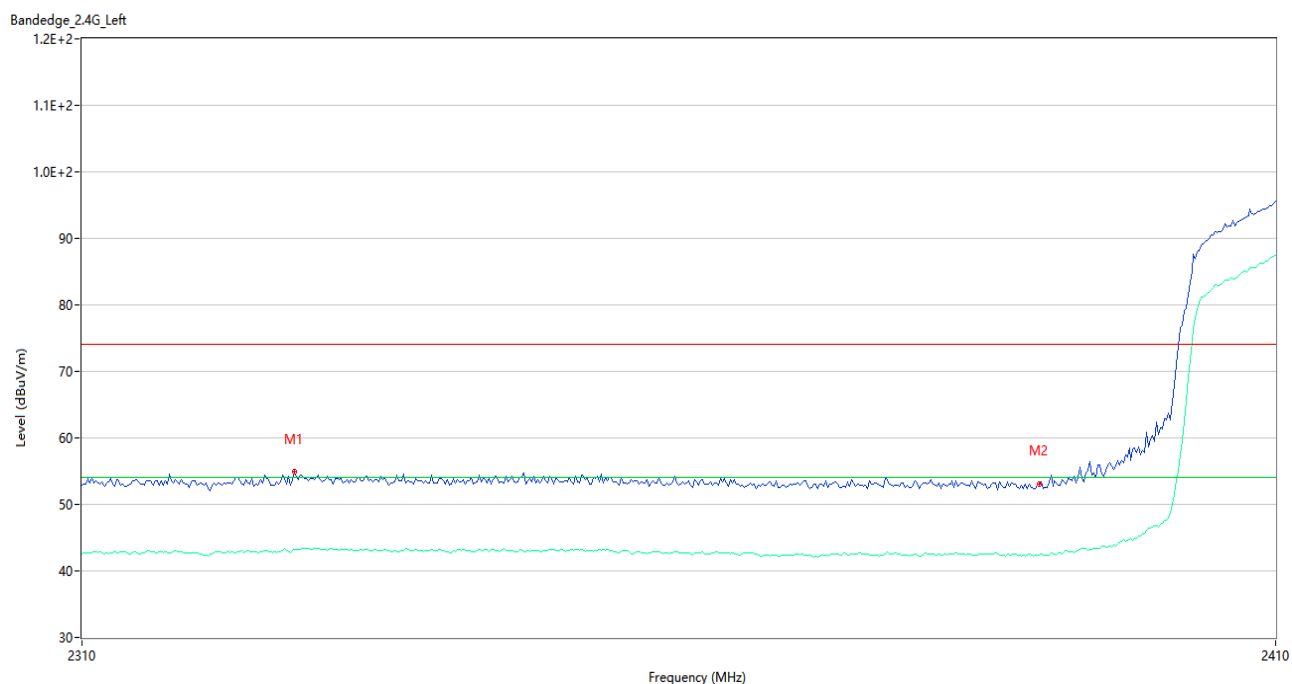
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2320.667	55.17	74.0	18.83	Peak	7.00	150	Vertical	Pass
1**	2320.667	42.60	54.0	11.40	AV	7.00	150	Vertical	Pass
2	2389.833	52.89	74.0	21.11	Peak	268.00	150	Vertical	Pass
2**	2389.833	42.14	54.0	11.86	AV	268.00	150	Vertical	Pass

802.11g HIGH CHANNEL



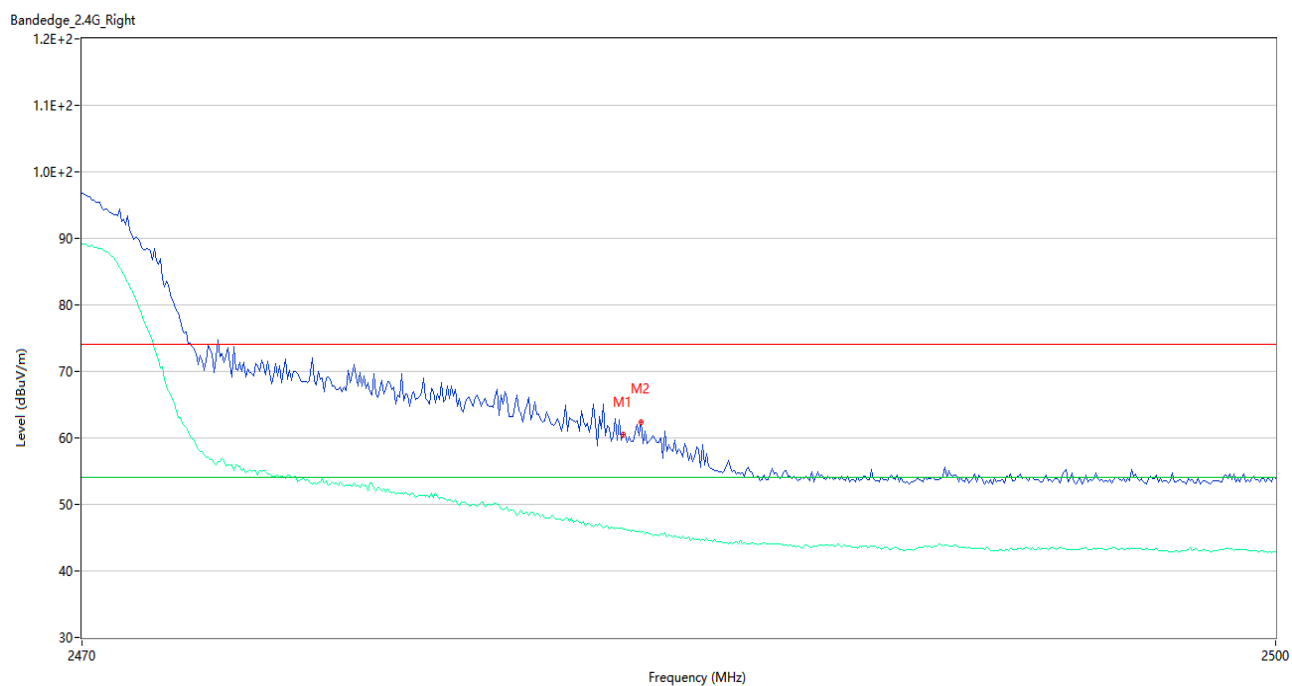
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	56.53	74.0	17.47	Peak	290.00	200	Vertical	Pass
1**	2483.550	45.13	54.0	8.87	AV	290.00	200	Vertical	Pass
2	2483.800	58.70	74.0	15.30	Peak	283.00	150	Vertical	Pass
2**	2483.800	45.40	54.0	8.60	AV	283.00	150	Vertical	Pass

802.11n20 LOW CHANNEL



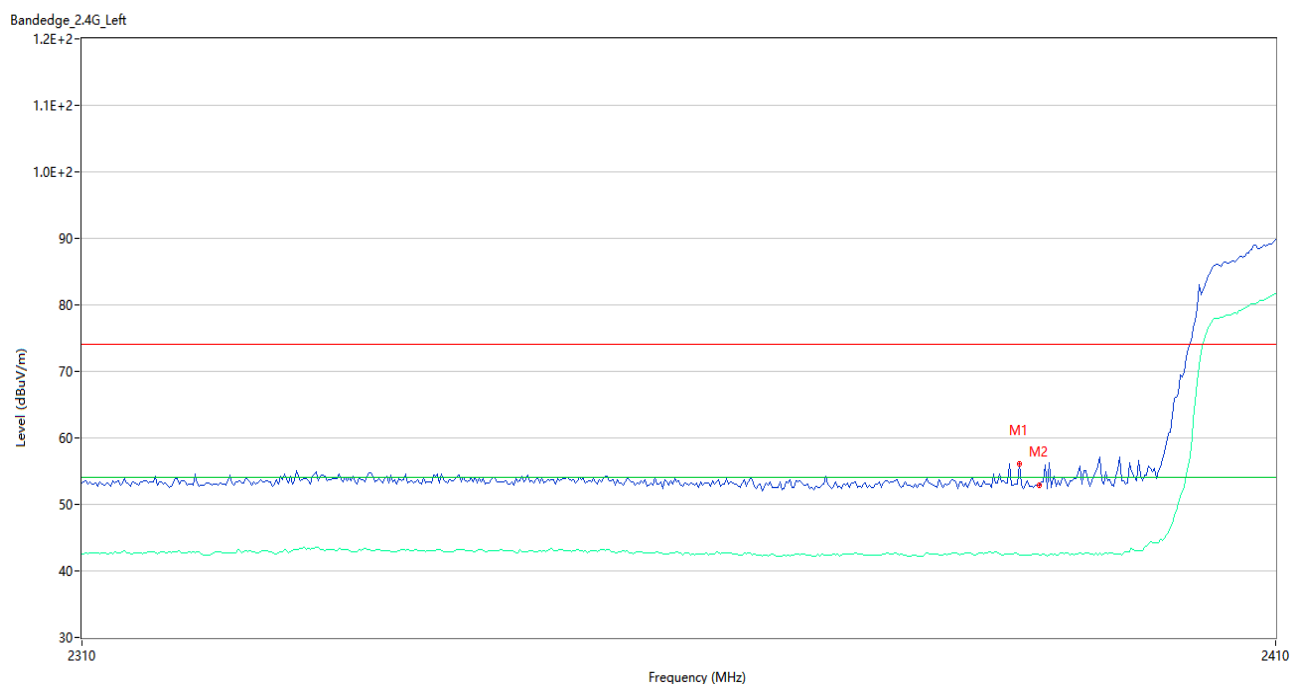
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2327.500	54.89	74.0	19.11	Peak	130.00	100	Vertical	Pass
1**	2327.500	43.24	54.0	10.76	AV	130.00	100	Vertical	Pass
2	2389.833	53.11	74.0	20.89	Peak	301.00	200	Vertical	Pass
2**	2389.833	42.37	54.0	11.63	AV	301.00	200	Vertical	Pass

802.11n20 HIGH CHANNEL



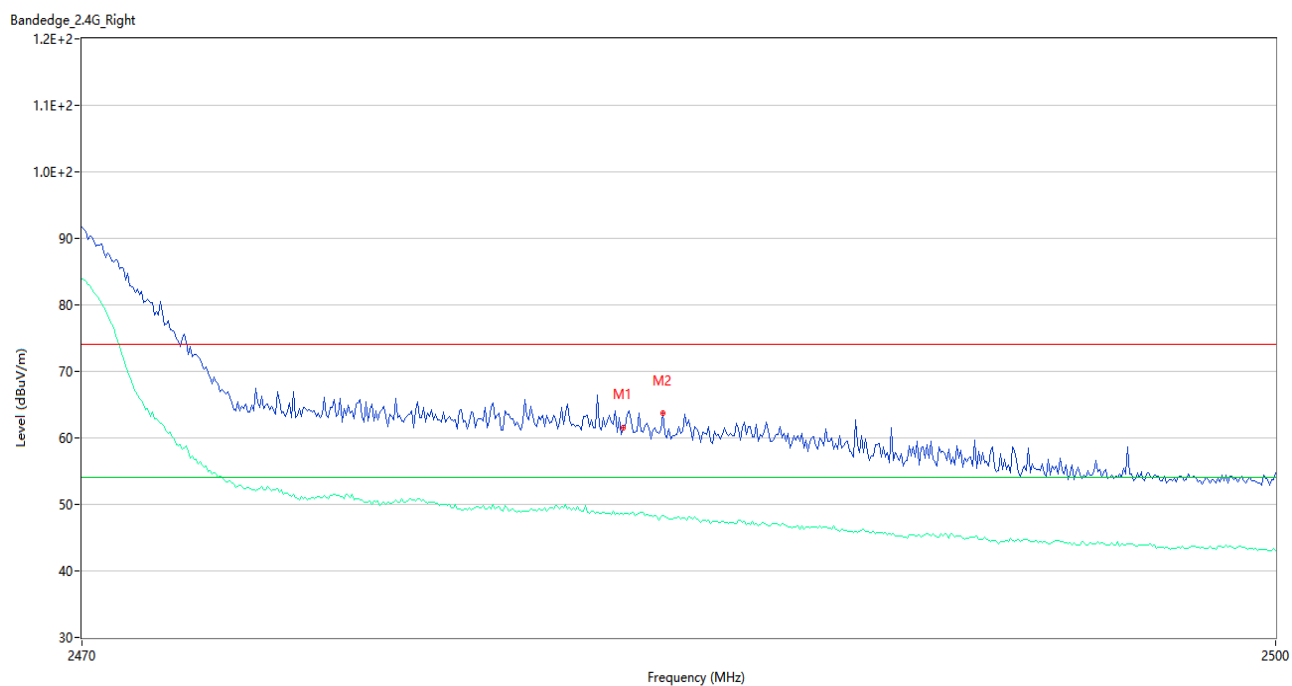
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	60.45	74.0	13.55	Peak	297.00	100	Vertical	Pass
1**	2483.550	46.22	54.0	7.78	AV	297.00	100	Vertical	Pass
2	2484.000	62.39	74.0	11.61	Peak	318.00	100	Vertical	Pass
2**	2484.000	45.77	54.0	8.23	AV	318.00	100	Vertical	Pass

802.11n40 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.167	56.18	74.0	17.82	Peak	298.00	100	Vertical	Pass
1**	2388.167	42.42	54.0	11.58	AV	298.00	100	Vertical	Pass
2	2389.833	52.95	74.0	21.05	Peak	295.00	200	Vertical	Pass
2**	2389.833	42.41	54.0	11.59	AV	295.00	200	Vertical	Pass

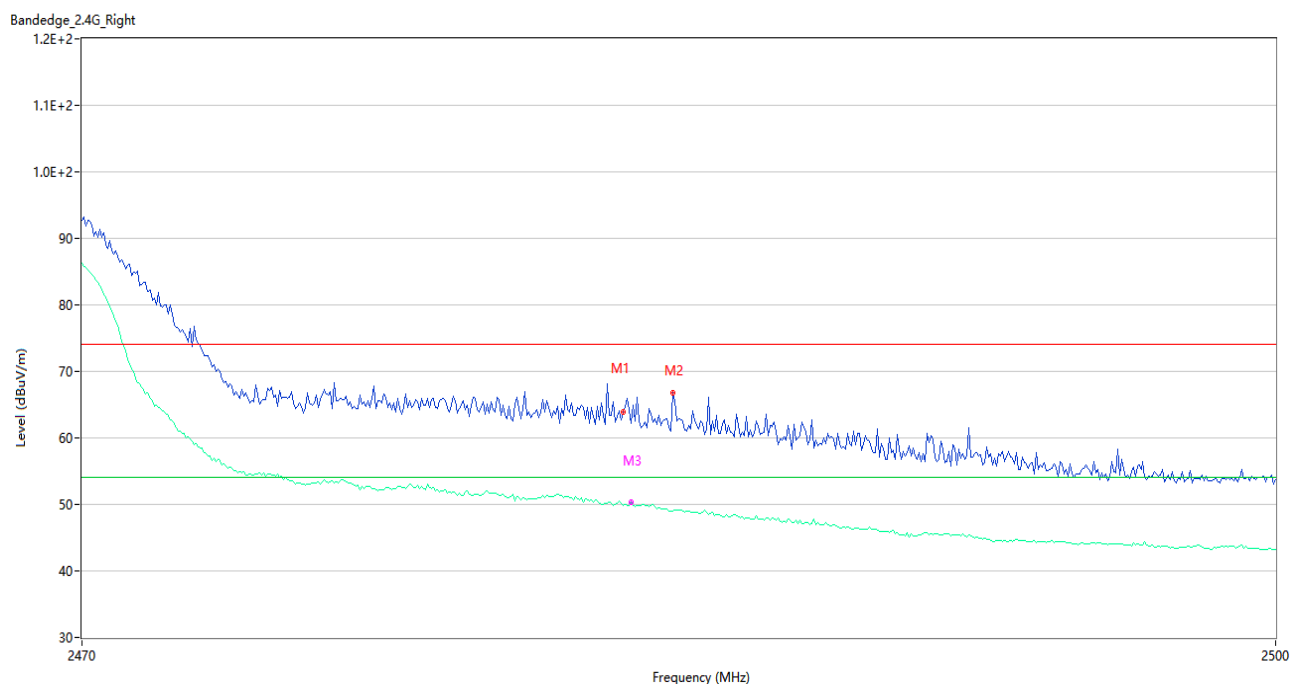
802.11n40 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	61.53	74.0	12.47	Peak	284.00	150	Vertical	Pass
1**	2483.550	48.40	54.0	5.60	AV	284.00	150	Vertical	Pass
2	2484.550	63.67	74.0	10.33	Peak	270.00	100	Vertical	Pass
2**	2484.550	48.22	54.0	5.78	AV	270.00	100	Vertical	Pass

Motherboard 2

802.11n40 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	63.88	74.0	10.12	Peak	264.00	100	Vertical	Pass
1**	2483.550	49.91	54.0	4.09	AV	264.00	100	Vertical	Pass
2	2484.800	66.81	74.0	7.19	Peak	133.00	200	Vertical	Pass
2**	2484.800	48.96	54.0	5.04	AV	133.00	200	Vertical	Pass
3	2483.750	62.17	74.0	11.83	Peak	133.00	100	Vertical	Pass
3**	2483.750	50.30	54.0	3.70	AV	133.00	100	Vertical	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-8.42	8	Pass
Middle	-6.17	8	Pass
High	-7.40	8	Pass

802.11g Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-12.50	8	Pass
Middle	-9.30	8	Pass
High	-11.87	8	Pass

802.11n-20 MHz Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-11.75	8	Pass
Middle	-9.36	8	Pass
High	-10.15	8	Pass

802.11n-40 MHz Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-13.00	8	Pass
Middle	-13.20	8	Pass
High	-16.43	8	Pass

Test Plots

802.11b LOW CHANNEL



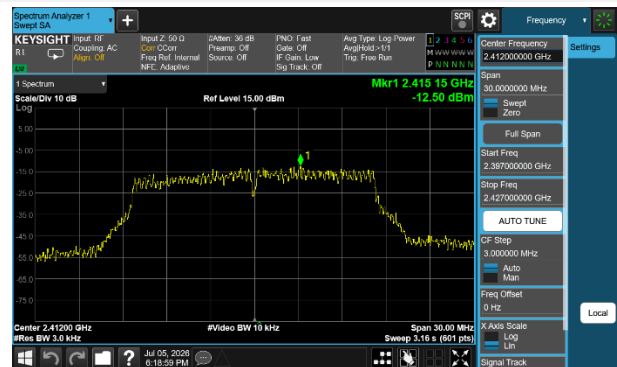
802.11b MIDDLE CHANNEL



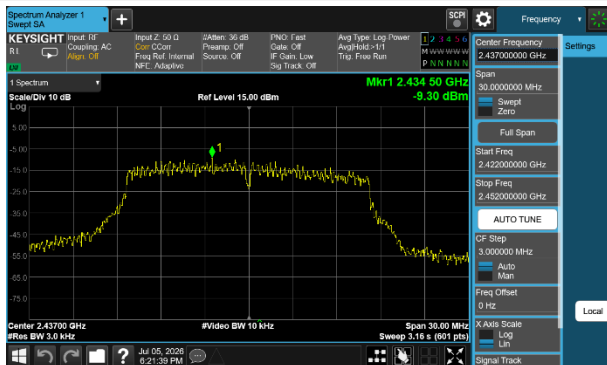
802.11b HIGH CHANNEL



802.11g LOW CHANNEL



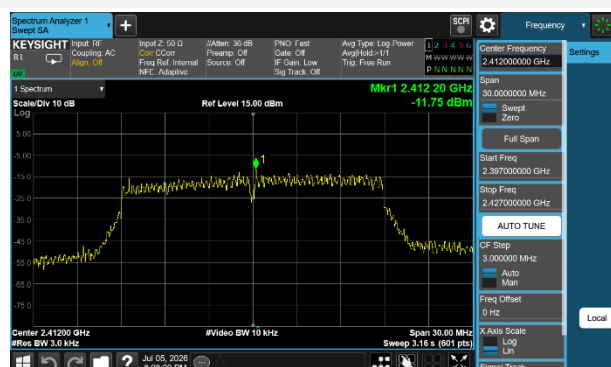
802.11g MIDDLE CHANNEL



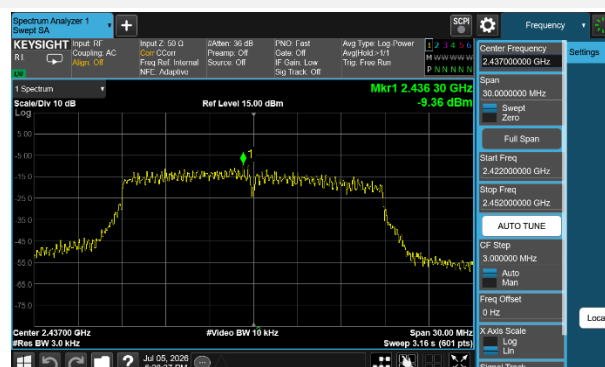
802.11g HIGH CHANNEL



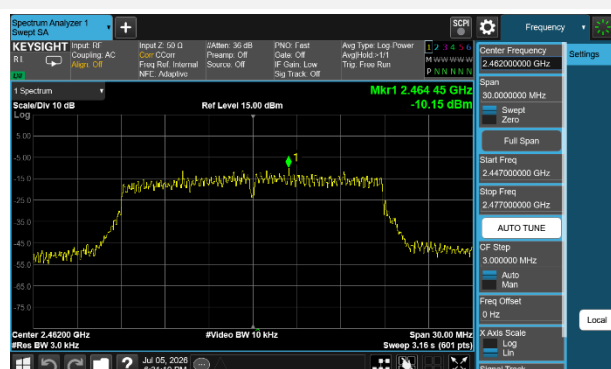
802.11n-20 MHz LOW CHANNEL



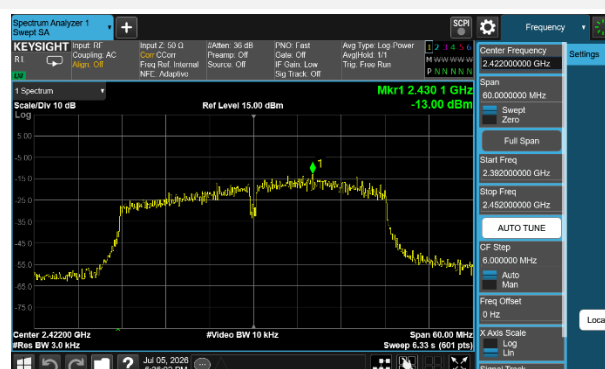
802.11n-20 MHz MIDDLE CHANNEL



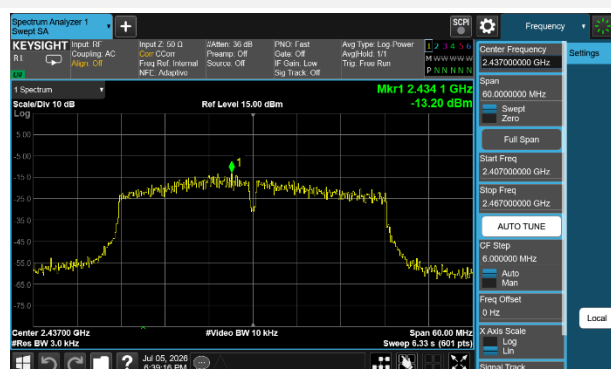
802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26060933-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26060933-AW-1.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26060933-AI-1.PDF”.

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--END OF REPORT--