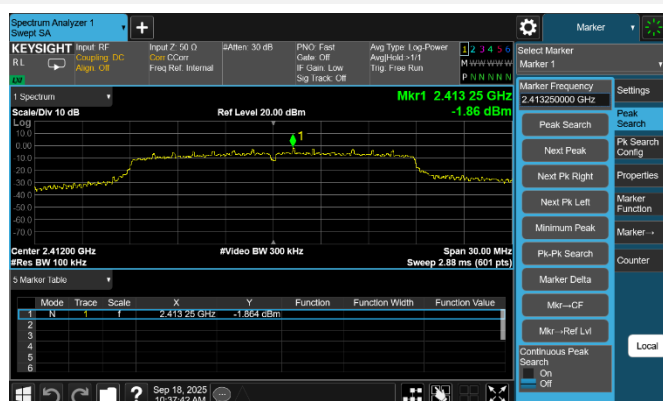
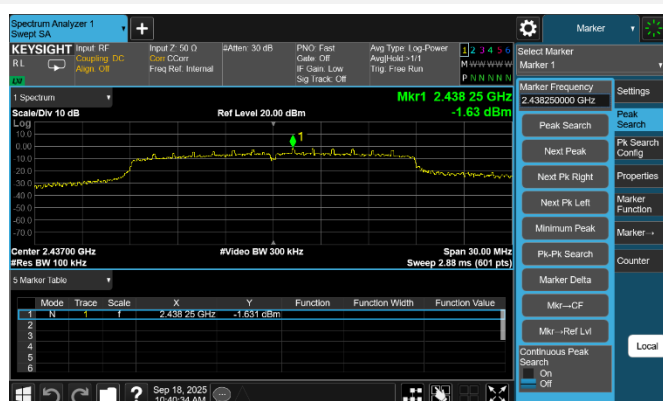


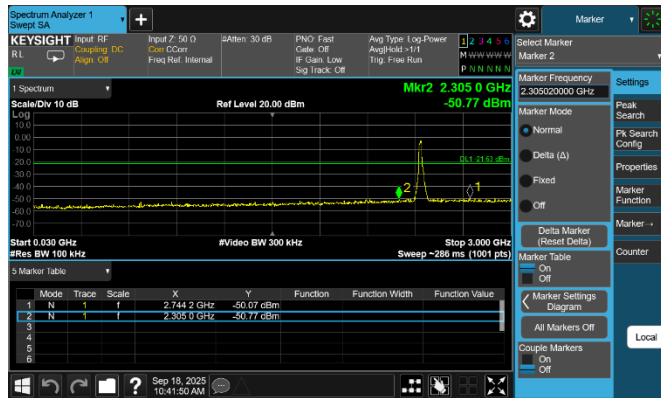
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

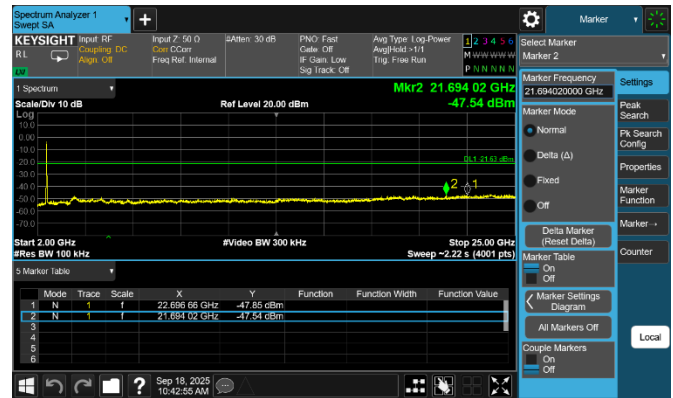
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



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



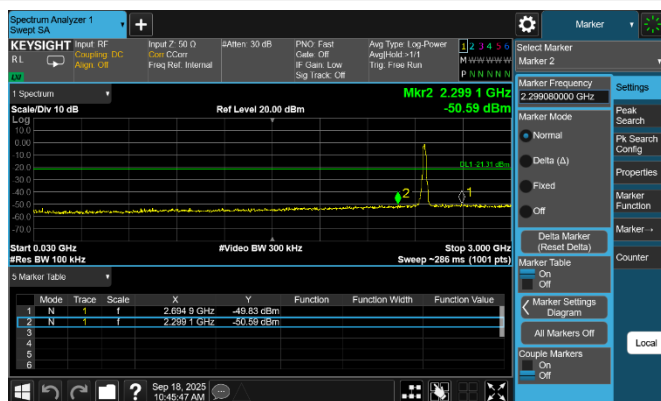
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



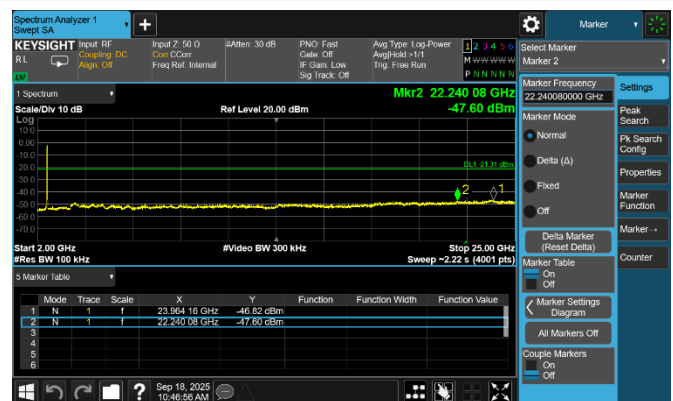
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



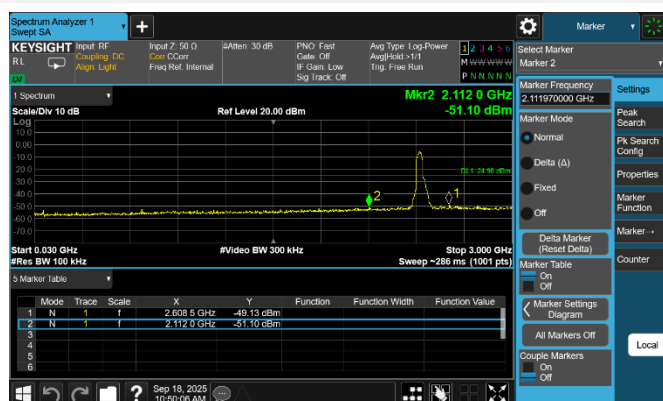
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



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



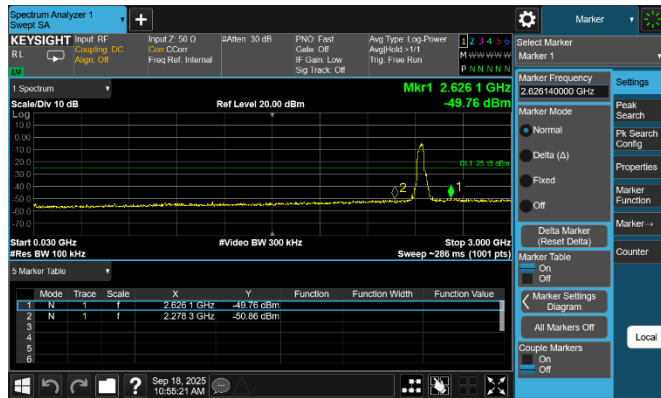
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

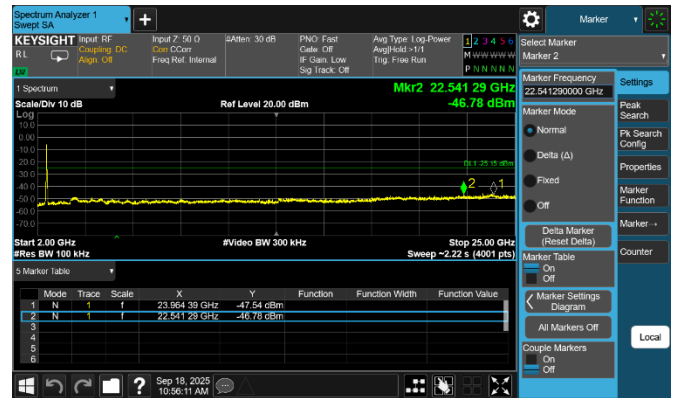
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



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



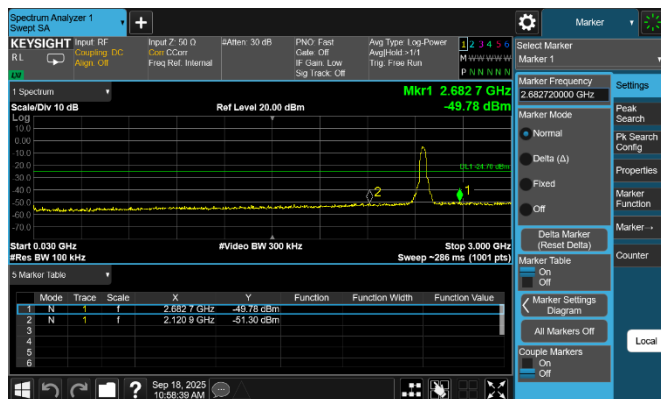
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



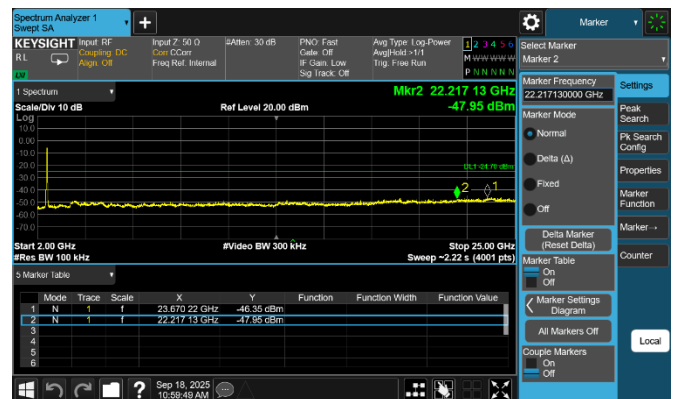
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



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

Test Data

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-43.79	2.27	-17.73	Pass
High	-48.69	2.63	-17.37	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-28.53	-1.48	-21.48	Pass
High	-40.45	-1.43	-21.43	Pass

802.11n-20 MHz Mode:

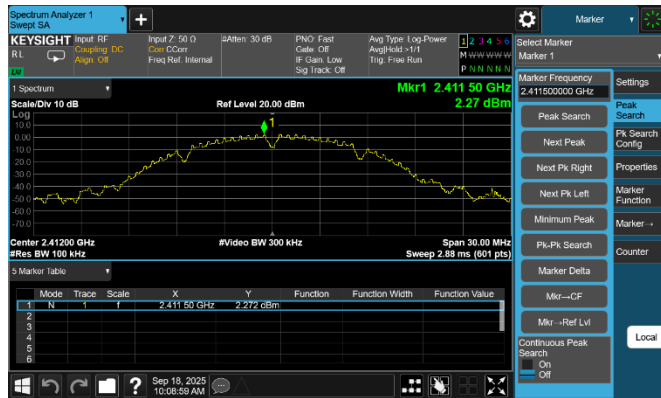
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-28.63	-1.86	-21.86	Pass
High	-39.63	-1.31	-21.31	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-35.34	-4.98	-24.98	Pass
High	-31.23	-4.70	-24.70	Pass

Test Plots

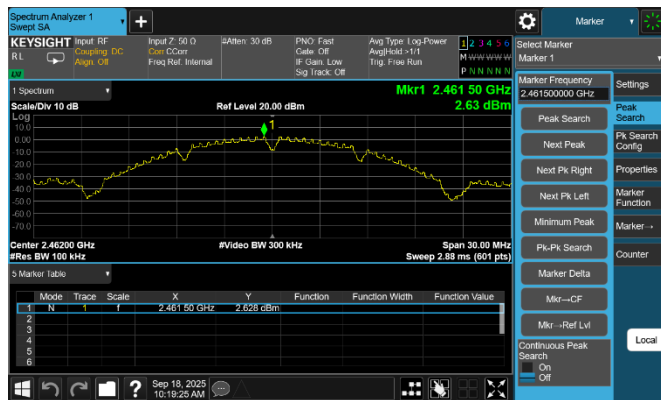
802.11b LOW CHANNEL, CARRIER LEVEL



802.11b LOW CHANNEL, BAND EDGE



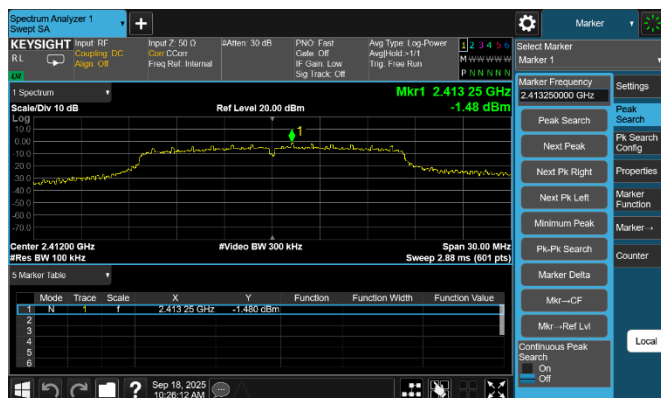
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



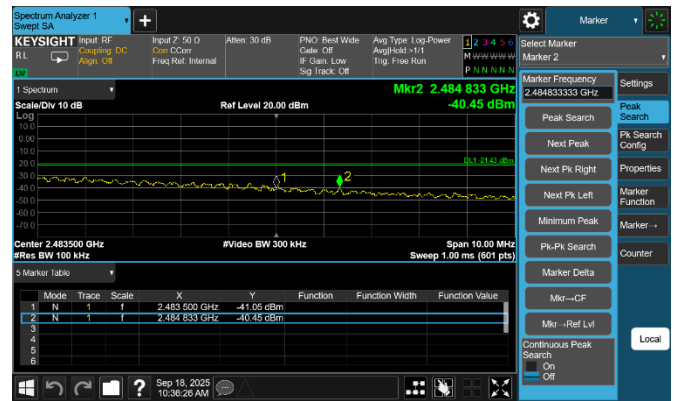
802.11g LOW CHANNEL, BAND EDGE



802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



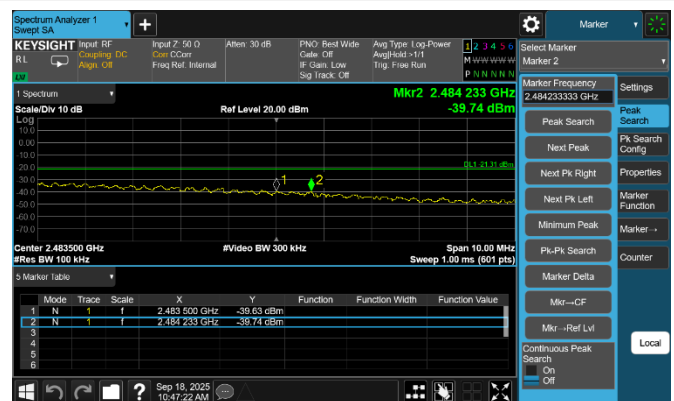
802.11n-20 MHz LOW CHANNEL, BAND EDGE



802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



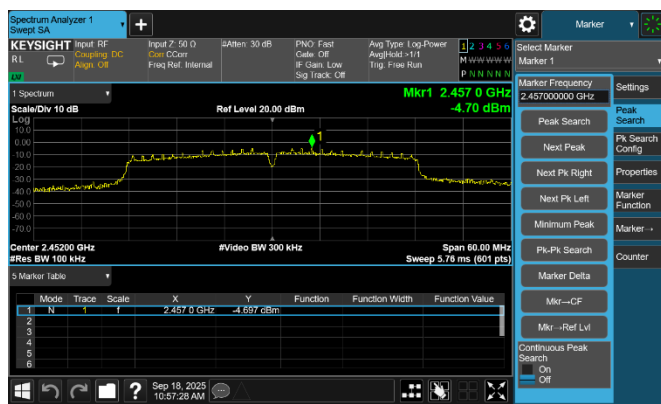
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



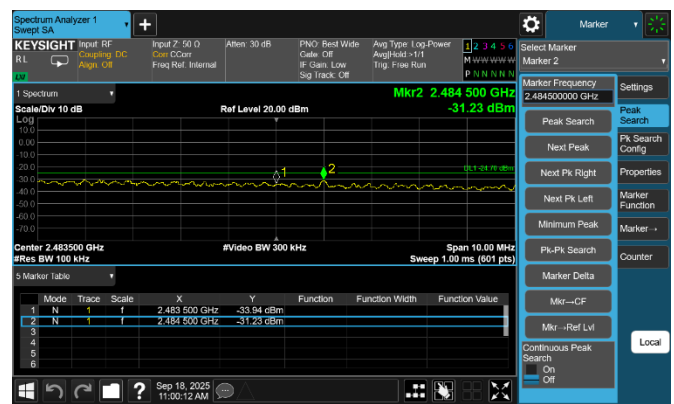
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



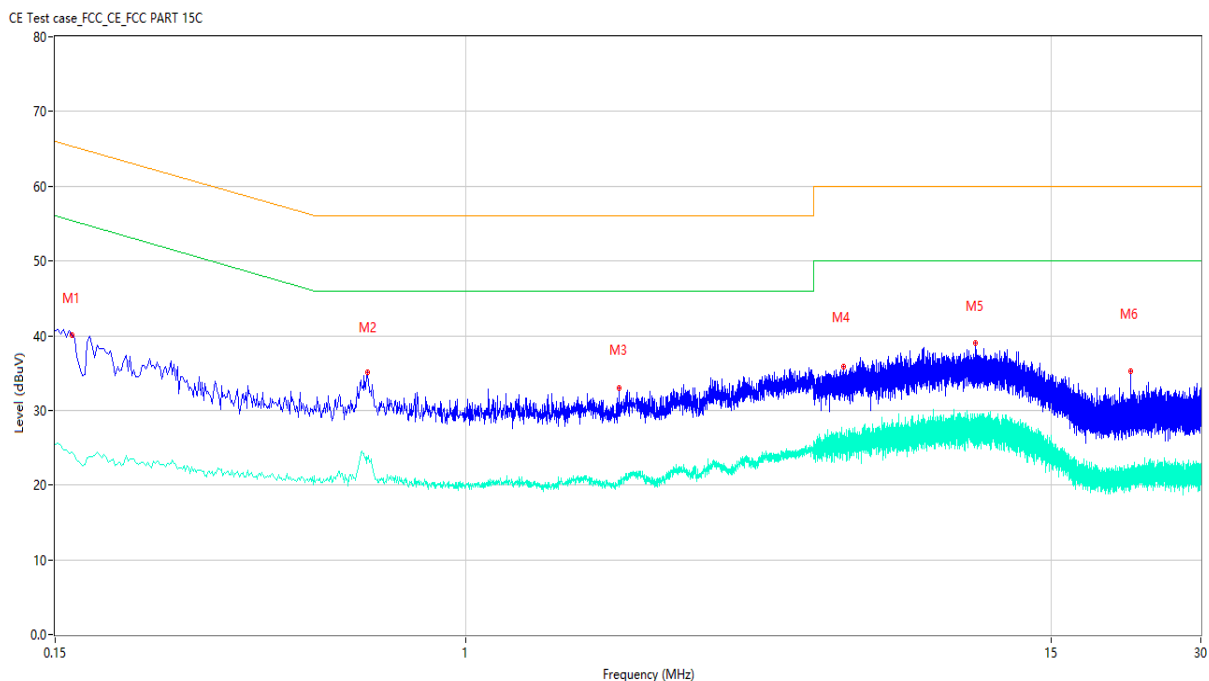
A.5 Conducted Emission

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

Note 2: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

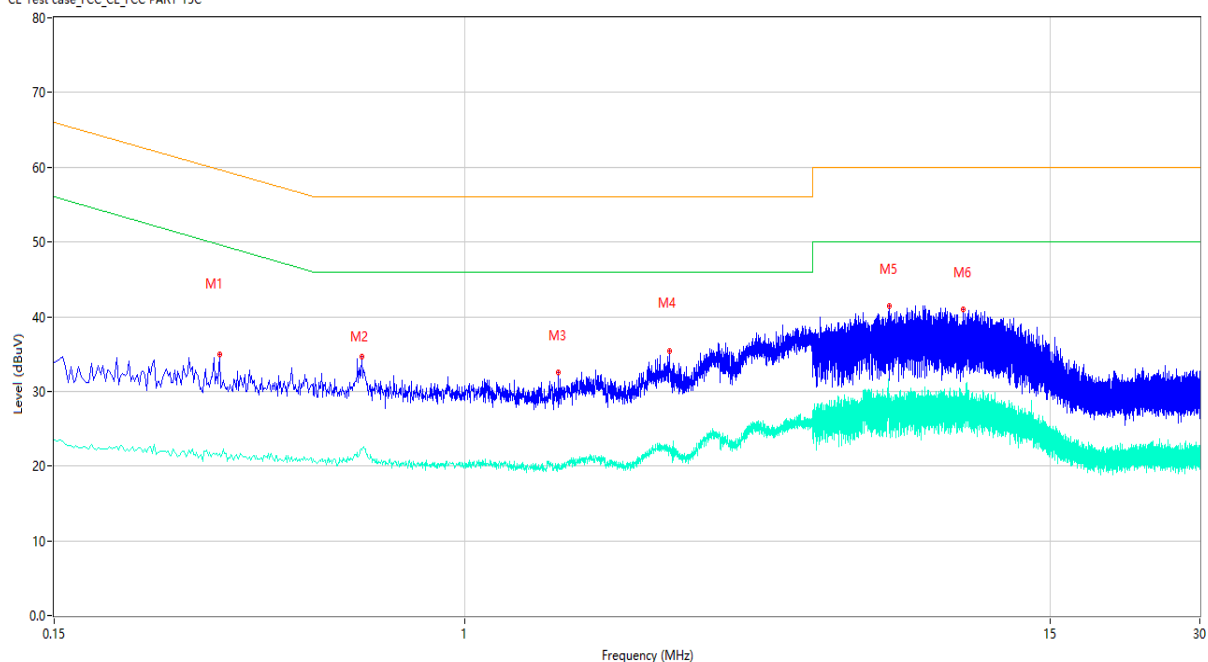
PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin(dB)	Detector	Line	Verdict
1	0.162	40.12	10.07	65.36	25.24	Peak	L	Pass
1**	0.162	24.34	10.07	55.36	31.02	AV	L	Pass
2	0.636	35.09	10.20	56.00	20.91	Peak	L	Pass
2**	0.636	23.47	10.20	46.00	22.53	AV	L	Pass
3	2.032	33.05	10.35	56.00	22.95	Peak	L	Pass
3**	2.032	20.65	10.35	46.00	25.35	AV	L	Pass
4	5.740	35.82	10.55	60.00	24.18	Peak	L	Pass
4**	5.740	26.33	10.55	50.00	23.67	AV	L	Pass
5	10.568	38.97	10.97	60.00	21.03	Peak	L	Pass
5**	10.568	29.09	10.97	50.00	20.91	AV	L	Pass
6	21.710	35.27	11.37	60.00	24.73	Peak	L	Pass
6**	21.710	21.27	11.37	50.00	28.73	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	0.322	34.89	10.16	59.66	24.77	Peak	N	Pass
1**	0.322	21.66	10.16	49.66	28.00	AV	N	Pass
2	0.622	34.63	10.20	56.00	21.37	Peak	N	Pass
2**	0.622	22.21	10.20	46.00	23.79	AV	N	Pass
3	1.544	32.57	10.25	56.00	23.43	Peak	N	Pass
3**	1.544	19.88	10.25	46.00	26.12	AV	N	Pass
4	2.586	35.42	10.28	56.00	20.58	Peak	N	Pass
4**	2.586	22.24	10.28	46.00	23.76	AV	N	Pass
5	7.144	41.38	10.63	60.00	18.62	Peak	N	Pass
5**	7.144	29.55	10.63	50.00	20.45	AV	N	Pass
6	10.042	40.98	10.94	60.00	19.02	Peak	N	Pass
6**	10.042	28.57	10.94	50.00	21.43	AV	N	Pass

A.6 Radiated Emission

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

Note 2: For the test data above 1 GHz, According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

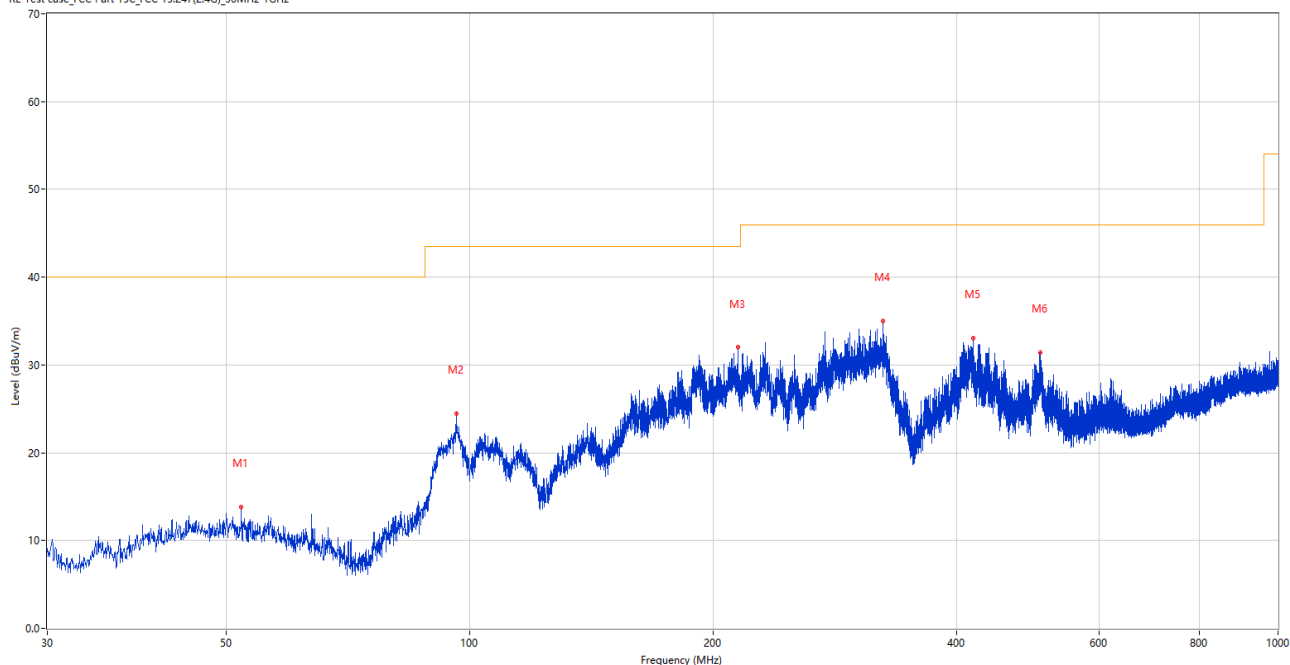
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note 4: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

30 MHz to 1 GHz, ANT H

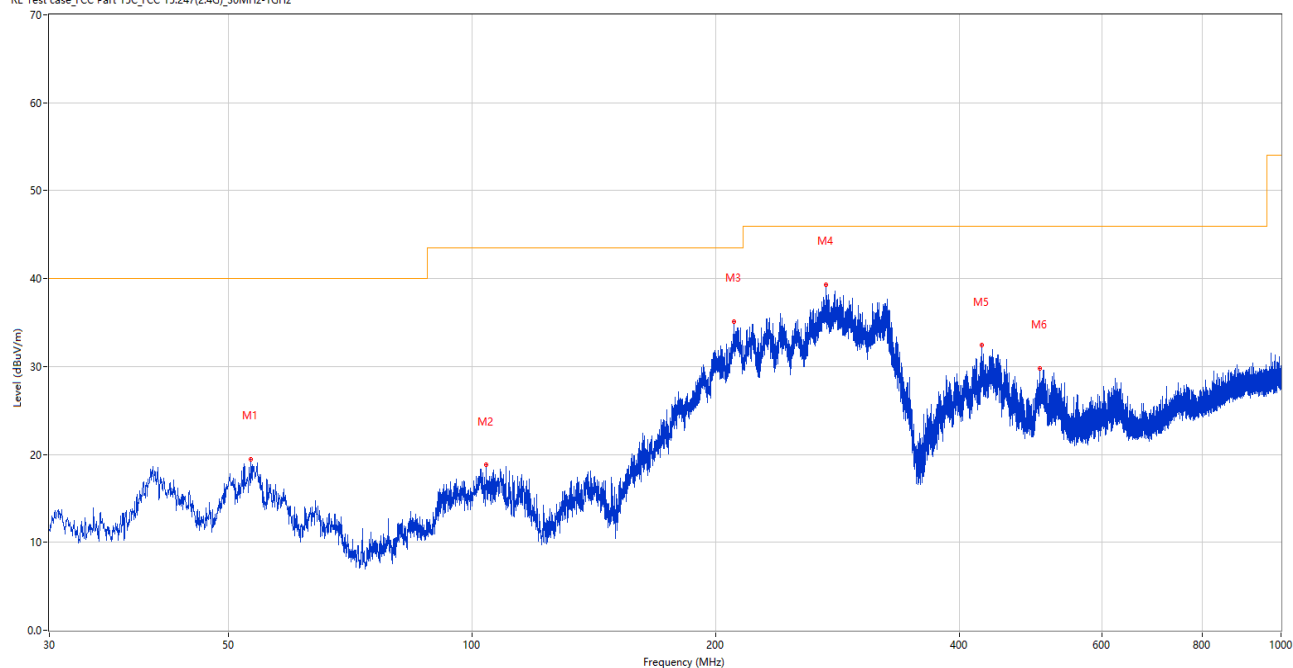
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	52.116	13.82	-24.70	40.0	26.18	Peak	191.00	200	Horizontal	Pass
2	96.202	24.48	-26.49	43.5	19.02	Peak	143.00	200	Horizontal	Pass
3	214.882	31.99	-26.22	43.5	11.51	Peak	290.00	100	Horizontal	Pass
4	324.734	35.02	-22.57	46.0	10.98	Peak	0.00	200	Horizontal	Pass
5	419.600	33.06	-19.86	46.0	12.94	Peak	64.00	200	Horizontal	Pass
6	507.434	31.40	-17.81	46.0	14.60	Peak	222.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	53.280	19.46	-24.84	40.0	20.54	Peak	111.00	100	Vertical	Pass
2	104.108	18.78	-26.16	43.5	24.72	Peak	86.00	200	Vertical	Pass
3	210.469	35.13	-26.36	43.5	8.37	Peak	172.00	100	Vertical	Pass
4	273.567	39.27	-24.02	46.0	6.73	Peak	172.00	100	Vertical	Pass
5	427.118	32.40	-19.81	46.0	13.60	Peak	234.00	100	Vertical	Pass
6	503.748	29.77	-17.89	46.0	16.23	Peak	276.00	100	Vertical	Pass

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

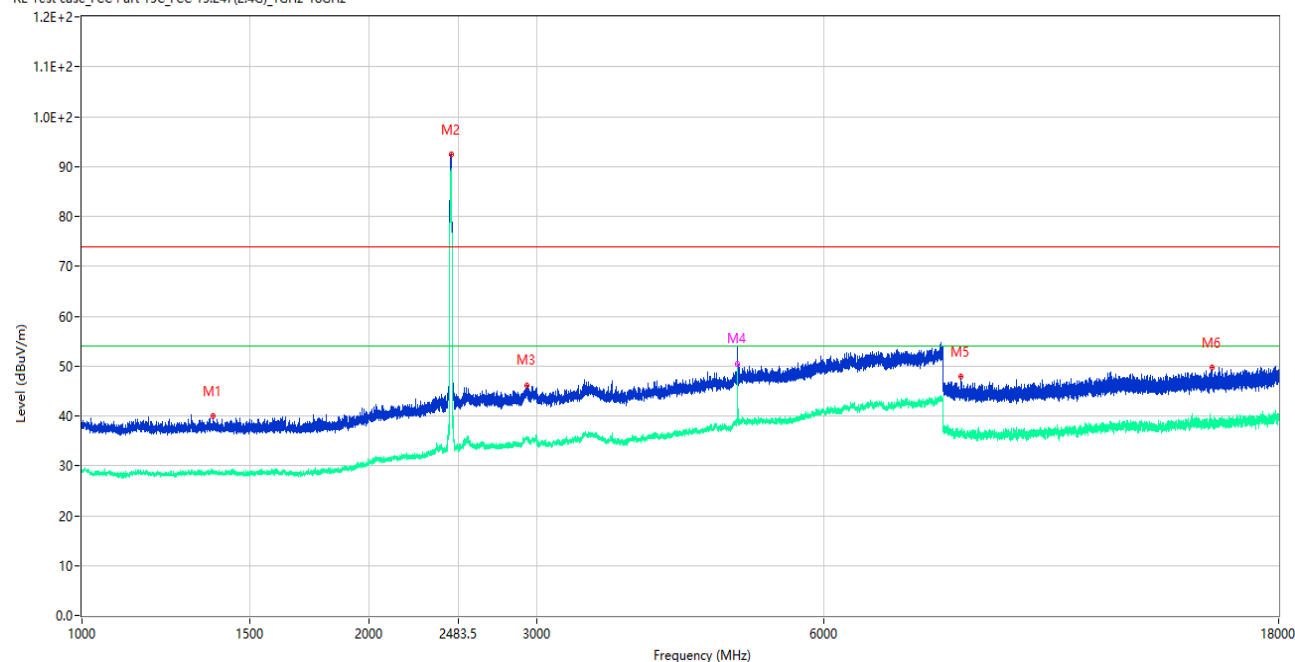
Note 2: The spurious above 18G is noise only, do not show on the report.

Note 3: All antenna were pre tested, but only the worst case has been reported in this report.

Note 4: All the configurations were pre tested, only the worst configuration has been reported in this report.

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

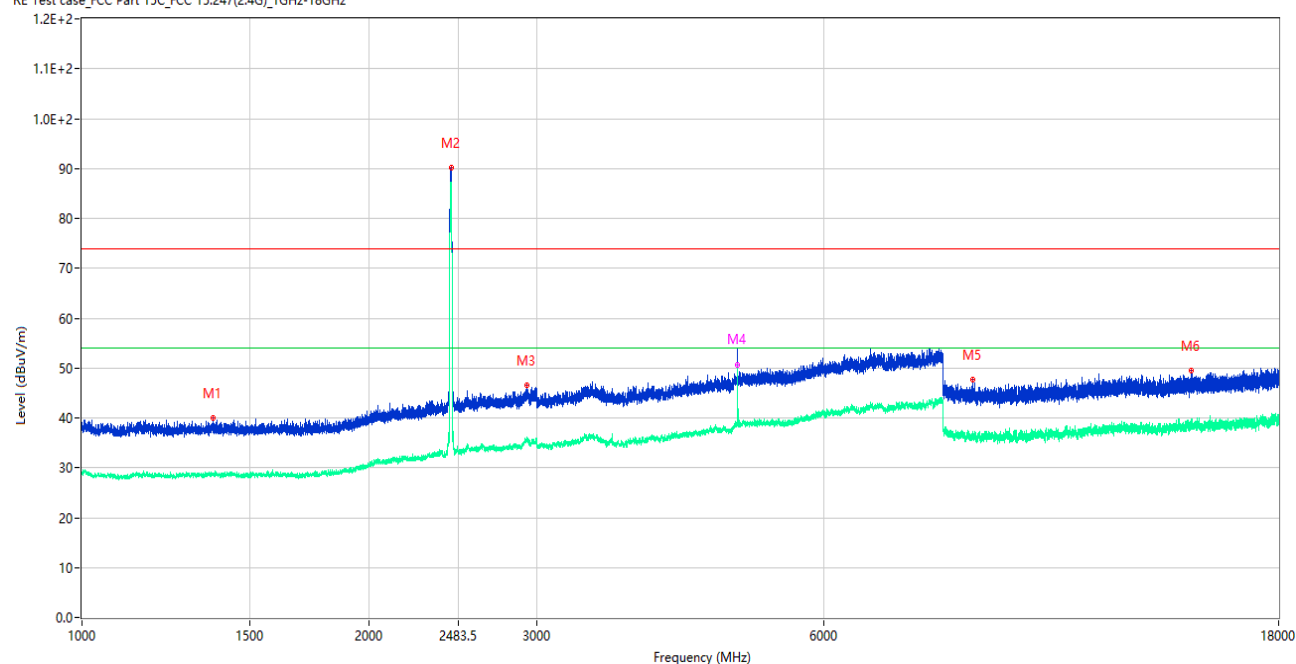
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1374.000	40.05	-15.99	74.0	33.95	Peak	191.00	150	Horizontal	Pass
1**	1374.000	28.42	-15.99	54.0	25.58	AV	191.00	150	Horizontal	Pass
2	2438.250	92.47	-12.38	74.0	-18.47	Peak	77.00	150	Horizontal	N/A
2**	2438.250	89.59	-12.38	54.0	-35.59	AV	77.00	150	Horizontal	N/A
3	2930.250	46.21	-7.95	74.0	27.79	Peak	209.00	150	Horizontal	Pass
3**	2930.250	35.61	-7.95	54.0	18.39	AV	209.00	150	Horizontal	Pass
4	4874.500	52.73	-2.25	74.0	21.27	Peak	89.00	150	Horizontal	Pass
4**	4874.500	50.48	-2.25	54.0	3.52	AV	89.00	150	Horizontal	Pass
5	8364.500	47.99	-4.64	74.0	26.01	Peak	360.00	150	Horizontal	Pass
5**	8364.500	36.67	-4.64	54.0	17.33	AV	360.00	150	Horizontal	Pass
6	15314.500	49.61	-2.20	74.0	24.39	Peak	33.00	150	Horizontal	Pass
6**	15314.500	38.93	-2.20	54.0	15.07	AV	33.00	150	Horizontal	Pass

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

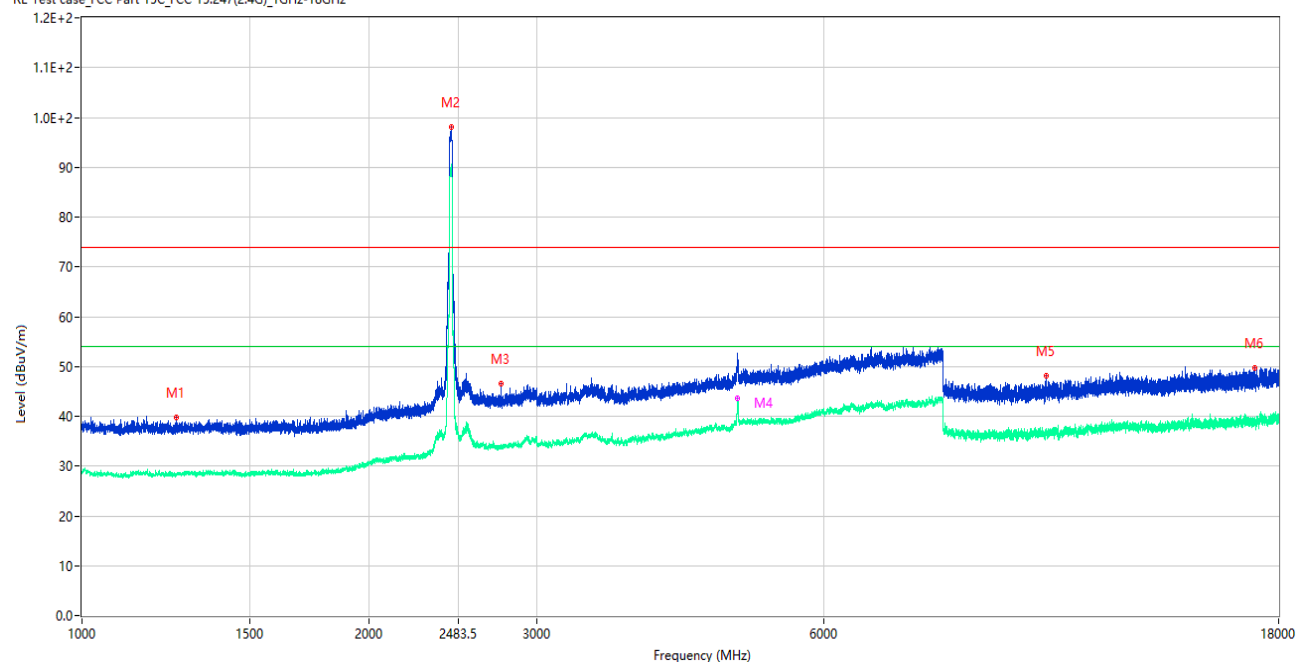
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1373.250	39.96	-15.98	74.0	34.04	Peak	63.00	150	Vertical	Pass
1**	1373.250	28.65	-15.98	54.0	25.35	AV	63.00	150	Vertical	Pass
2	2438.250	90.17	-12.38	74.0	-16.17	Peak	113.00	150	Vertical	N/A
2**	2438.250	87.31	-12.38	54.0	-33.31	AV	113.00	150	Vertical	N/A
3	2930.250	46.62	-7.95	74.0	27.38	Peak	358.00	150	Vertical	Pass
3**	2930.250	35.71	-7.95	54.0	18.29	AV	358.00	150	Vertical	Pass
4	4874.500	52.60	-2.25	74.0	21.40	Peak	182.00	150	Vertical	Pass
4**	4874.500	50.73	-2.25	54.0	3.27	AV	182.00	150	Vertical	Pass
5	8590.500	47.72	-4.89	74.0	26.28	Peak	11.00	150	Vertical	Pass
5**	8590.500	36.87	-4.89	54.0	17.13	AV	11.00	150	Vertical	Pass
6	14590.500	49.45	-2.17	74.0	24.55	Peak	66.00	150	Vertical	Pass
6**	14590.500	39.81	-2.17	54.0	14.19	AV	66.00	150	Vertical	Pass

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

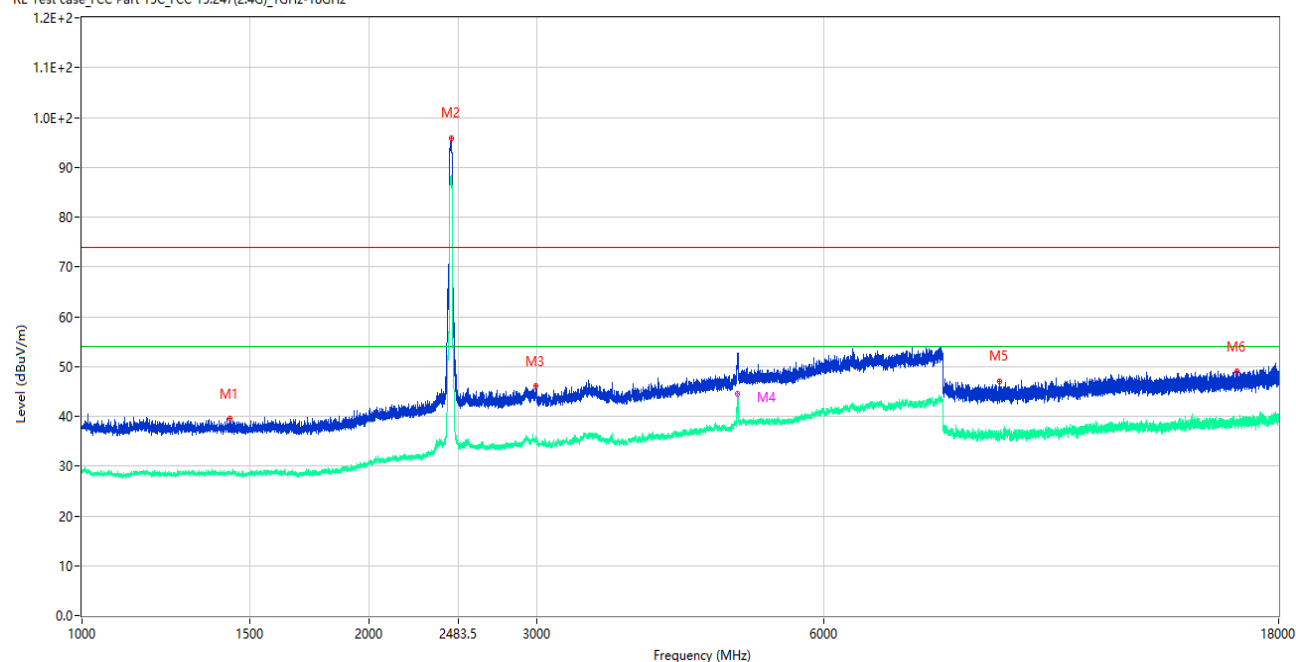
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1255.500	39.73	-16.12	74.0	34.27	Peak	239.00	150	Horizontal	Pass
1**	1255.500	27.98	-16.12	54.0	26.02	AV	239.00	150	Horizontal	Pass
2	2438.500	98.09	-12.37	74.0	-24.09	Peak	68.00	150	Horizontal	N/A
2**	2438.500	90.63	-12.37	54.0	-36.63	AV	68.00	150	Horizontal	N/A
3	2751.750	46.45	-10.58	74.0	27.55	Peak	58.00	150	Horizontal	Pass
3**	2751.750	33.44	-10.58	54.0	20.56	AV	58.00	150	Horizontal	Pass
4	4871.500	50.43	-2.21	74.0	23.57	Peak	151.00	150	Horizontal	Pass
4**	4871.500	43.51	-2.21	54.0	10.49	AV	151.00	150	Horizontal	Pass
5	10267.000	48.03	-3.04	74.0	25.97	Peak	0.00	150	Horizontal	Pass
5**	10267.000	36.66	-3.04	54.0	17.34	AV	0.00	150	Horizontal	Pass
6	16995.000	49.75	-1.54	74.0	24.25	Peak	351.00	150	Horizontal	Pass
6**	16995.000	38.19	-1.54	54.0	15.81	AV	351.00	150	Horizontal	Pass

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

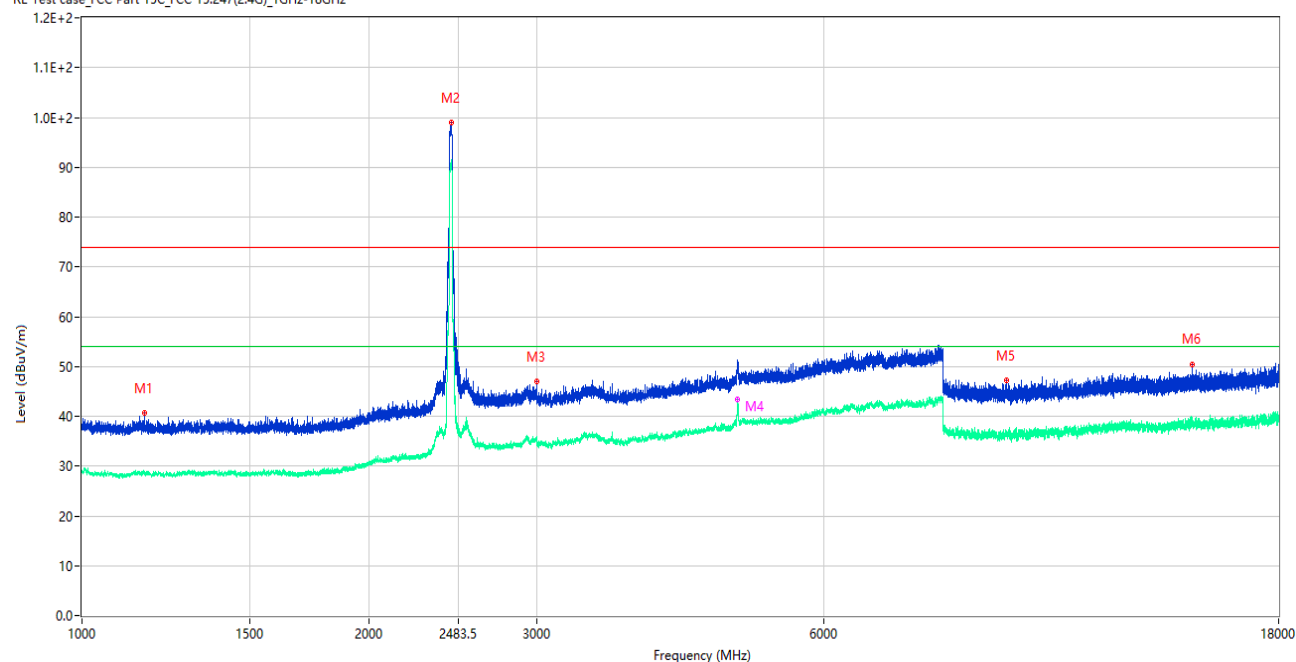
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1429.250	39.59	-15.99	74.0	34.41	Peak	121.00	150	Vertical	Pass
1**	1429.250	28.43	-15.99	54.0	25.57	AV	121.00	150	Vertical	Pass
2	2439.250	95.91	-12.37	74.0	-21.91	Peak	116.00	150	Vertical	N/A
2**	2439.250	87.98	-12.37	54.0	-33.98	AV	116.00	150	Vertical	N/A
3	2995.750	46.12	-8.85	74.0	27.88	Peak	227.00	150	Vertical	Pass
3**	2995.750	35.61	-8.85	54.0	18.39	AV	227.00	150	Vertical	Pass
4	4874.500	51.44	-2.25	74.0	22.56	Peak	137.00	150	Vertical	Pass
4**	4874.500	44.46	-2.25	54.0	9.54	AV	137.00	150	Vertical	Pass
5	9181.000	46.95	-5.32	74.0	27.05	Peak	148.00	150	Vertical	Pass
5**	9181.000	35.99	-5.32	54.0	18.01	AV	148.00	150	Vertical	Pass
6	16274.000	48.96	-1.87	74.0	25.04	Peak	176.00	150	Vertical	Pass
6**	16274.000	38.74	-1.87	54.0	15.26	AV	176.00	150	Vertical	Pass

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

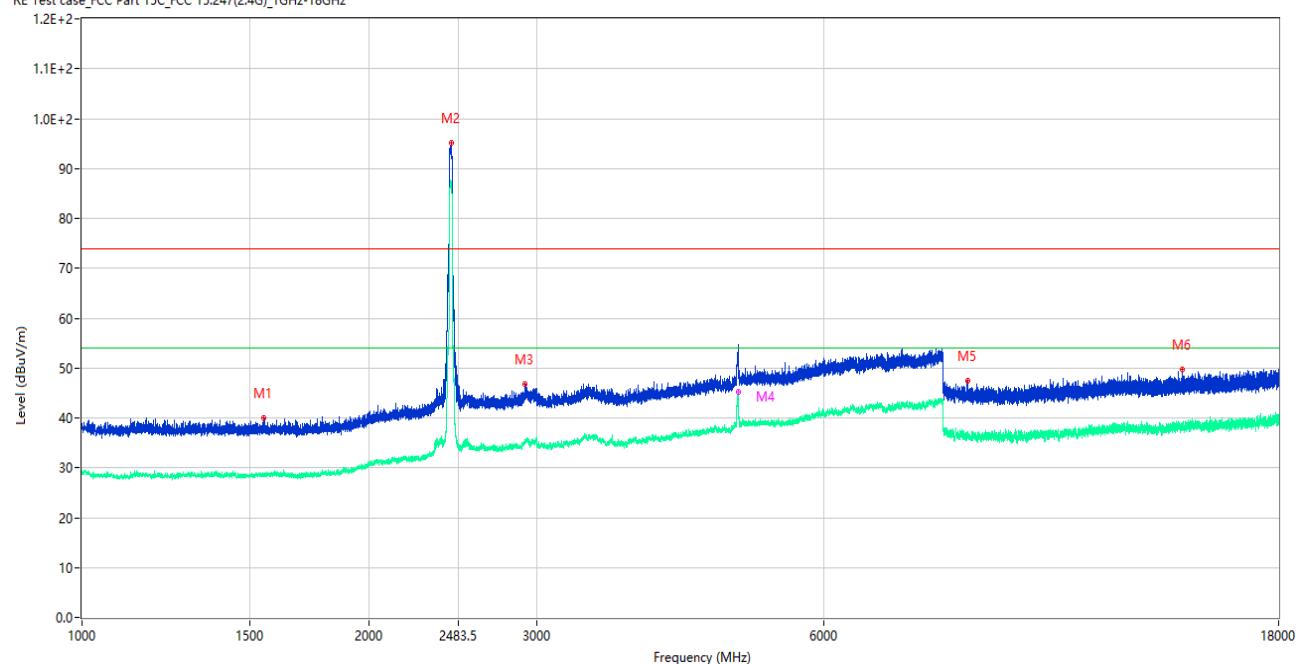
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.000	40.68	-15.46	74.0	33.32	Peak	360.00	150	Horizontal	Pass
1**	1164.000	28.30	-15.46	54.0	25.70	AV	360.00	150	Horizontal	Pass
2	2438.250	98.94	-12.38	74.0	-24.94	Peak	54.00	150	Horizontal	N/A
2**	2438.250	91.32	-12.38	54.0	-37.32	AV	54.00	150	Horizontal	N/A
3	2998.250	46.94	-8.79	74.0	27.06	Peak	23.00	150	Horizontal	Pass
3**	2998.250	35.69	-8.79	54.0	18.31	AV	23.00	150	Horizontal	Pass
4	4874.500	49.90	-2.25	74.0	24.10	Peak	39.00	150	Horizontal	Pass
4**	4874.500	43.28	-2.25	54.0	10.72	AV	39.00	150	Horizontal	Pass
5	9324.500	47.12	-5.20	74.0	26.88	Peak	206.00	150	Horizontal	Pass
5**	9324.500	37.11	-5.20	54.0	16.89	AV	206.00	150	Horizontal	Pass
6	14606.000	50.49	-2.88	74.0	23.51	Peak	0.00	150	Horizontal	Pass
6**	14606.000	38.54	-2.88	54.0	15.46	AV	0.00	150	Horizontal	Pass

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

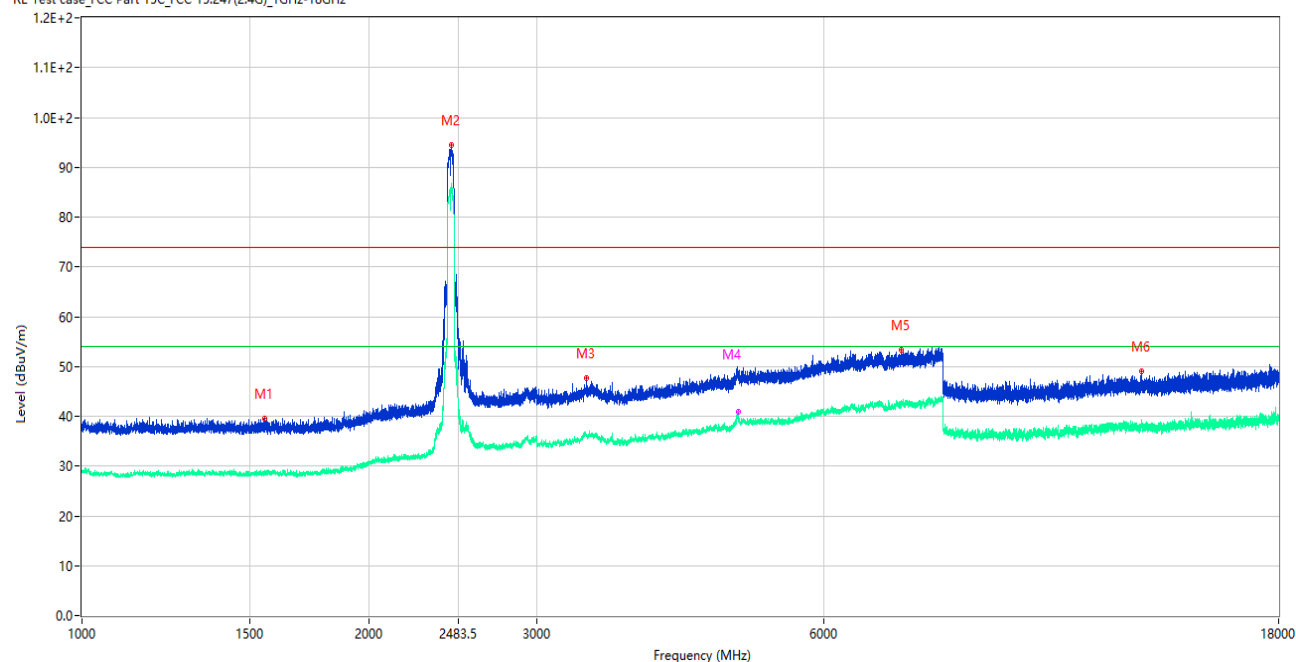
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1550.750	39.94	-16.01	74.0	34.06	Peak	69.00	150	Vertical	Pass
1**	1550.750	28.88	-16.01	54.0	25.12	AV	69.00	150	Vertical	Pass
2	2439.000	95.07	-12.37	74.0	-21.07	Peak	136.00	150	Vertical	N/A
2**	2439.000	87.29	-12.37	54.0	-33.29	AV	136.00	150	Vertical	N/A
3	2913.500	46.70	-9.12	74.0	27.30	Peak	260.00	150	Vertical	Pass
3**	2913.500	34.99	-9.12	54.0	19.01	AV	260.00	150	Vertical	Pass
4	4879.500	50.77	-2.28	74.0	23.23	Peak	132.00	150	Vertical	Pass
4**	4879.500	45.31	-2.28	54.0	8.69	AV	132.00	150	Vertical	Pass
5	8501.500	47.40	-4.69	74.0	26.60	Peak	0.00	150	Vertical	Pass
5**	8501.500	36.68	-4.69	54.0	17.32	AV	0.00	150	Vertical	Pass
6	14275.000	49.67	-2.23	74.0	24.33	Peak	351.00	150	Vertical	Pass
6**	14275.000	38.42	-2.23	54.0	15.58	AV	351.00	150	Vertical	Pass

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

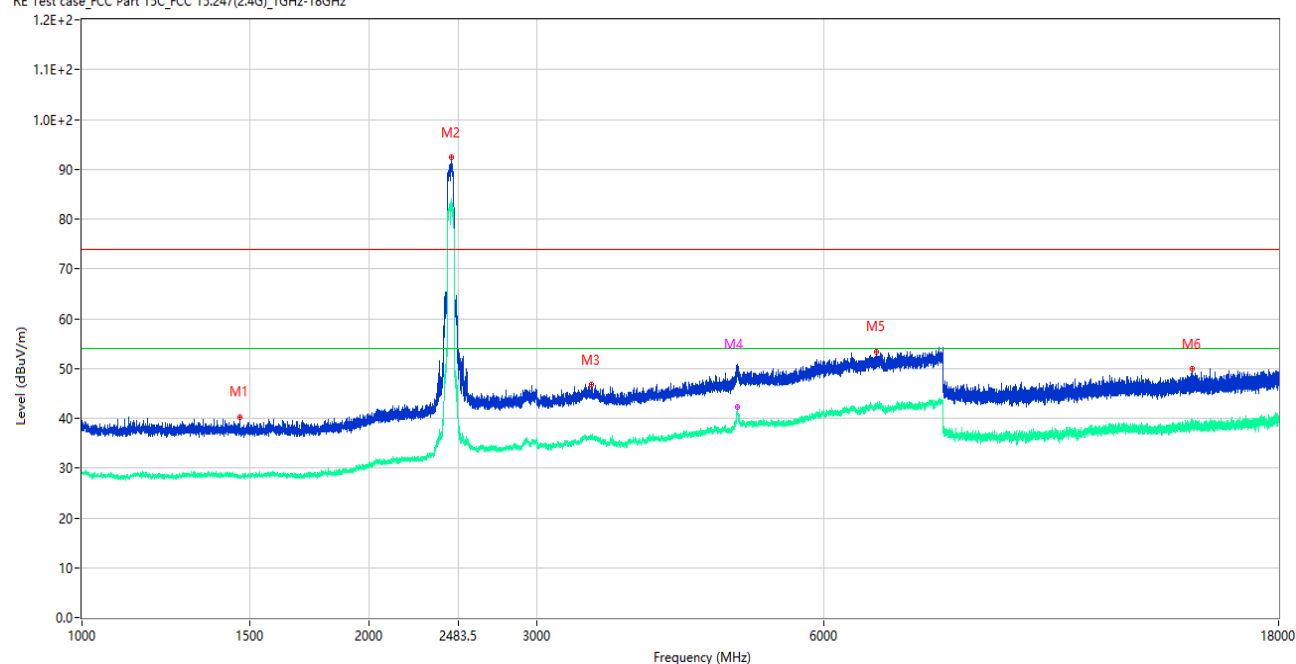
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1555.000	39.52	-16.00	74.0	34.48	Peak	279.00	150	Horizontal	Pass
1**	1555.000	28.60	-16.00	54.0	25.40	AV	279.00	150	Horizontal	Pass
2	2438.750	94.53	-12.37	74.0	-20.53	Peak	87.00	150	Horizontal	N/A
2**	2438.750	86.79	-12.37	54.0	-32.79	AV	87.00	150	Horizontal	N/A
3	3386.000	47.64	-5.51	74.0	26.36	Peak	17.00	150	Horizontal	Pass
3**	3386.000	35.84	-5.51	54.0	18.16	AV	17.00	150	Horizontal	Pass
4	4881.000	47.84	-2.30	74.0	26.16	Peak	155.00	150	Horizontal	Pass
4**	4881.000	40.84	-2.30	54.0	13.16	AV	155.00	150	Horizontal	Pass
5	7238.000	53.30	0.96	74.0	20.70	Peak	35.00	150	Horizontal	Pass
5**	7238.000	42.54	0.96	54.0	11.46	AV	35.00	150	Horizontal	Pass
6	12919.000	49.04	-2.55	74.0	24.96	Peak	360.00	150	Horizontal	Pass
6**	12919.000	38.11	-2.55	54.0	15.89	AV	360.00	150	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)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1464.750	40.32	-16.21	74.0	33.68	Peak	96.00	150	Vertical	Pass
1**	1464.750	28.34	-16.21	54.0	25.66	AV	96.00	150	Vertical	Pass
2	2441.250	92.40	-12.40	74.0	-18.40	Peak	127.00	150	Vertical	N/A
2**	2441.250	83.65	-12.40	54.0	-29.65	AV	127.00	150	Vertical	N/A
3	3426.000	46.72	-4.91	74.0	27.28	Peak	359.00	150	Vertical	Pass
3**	3426.000	36.36	-4.91	54.0	17.64	AV	359.00	150	Vertical	Pass
4	4873.000	48.71	-2.22	74.0	25.29	Peak	225.00	150	Vertical	Pass
4**	4873.000	42.27	-2.22	54.0	11.73	AV	225.00	150	Vertical	Pass
5	6807.500	53.44	0.38	74.0	20.56	Peak	333.00	150	Vertical	Pass
5**	6807.500	42.37	0.38	54.0	11.63	AV	333.00	150	Vertical	Pass
6	14619.500	49.89	-2.60	74.0	24.11	Peak	62.00	150	Vertical	Pass
6**	14619.500	38.26	-2.60	54.0	15.74	AV	62.00	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, 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 the configurations were pre tested, only the worst configuration has been reported in this report.

Note 5: All antenna were pre tested, but only the worst case has been reported in this report.

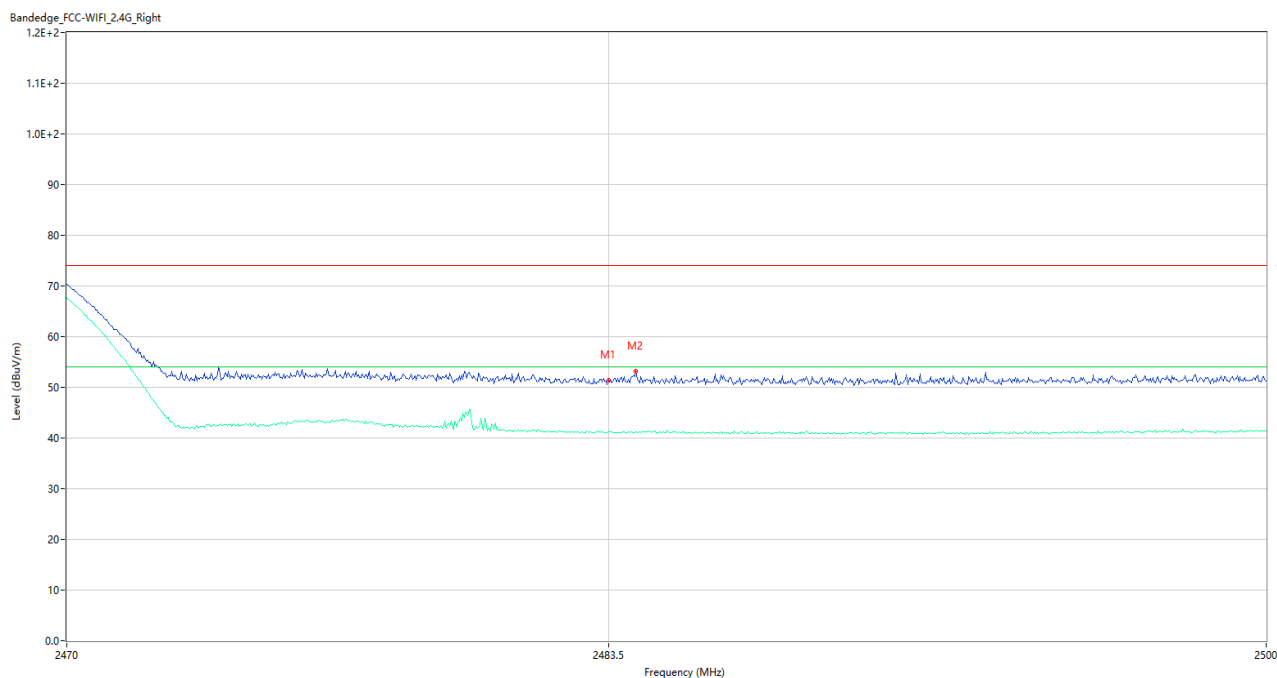
Test Data and Plots

802.11b LOW CHANNEL



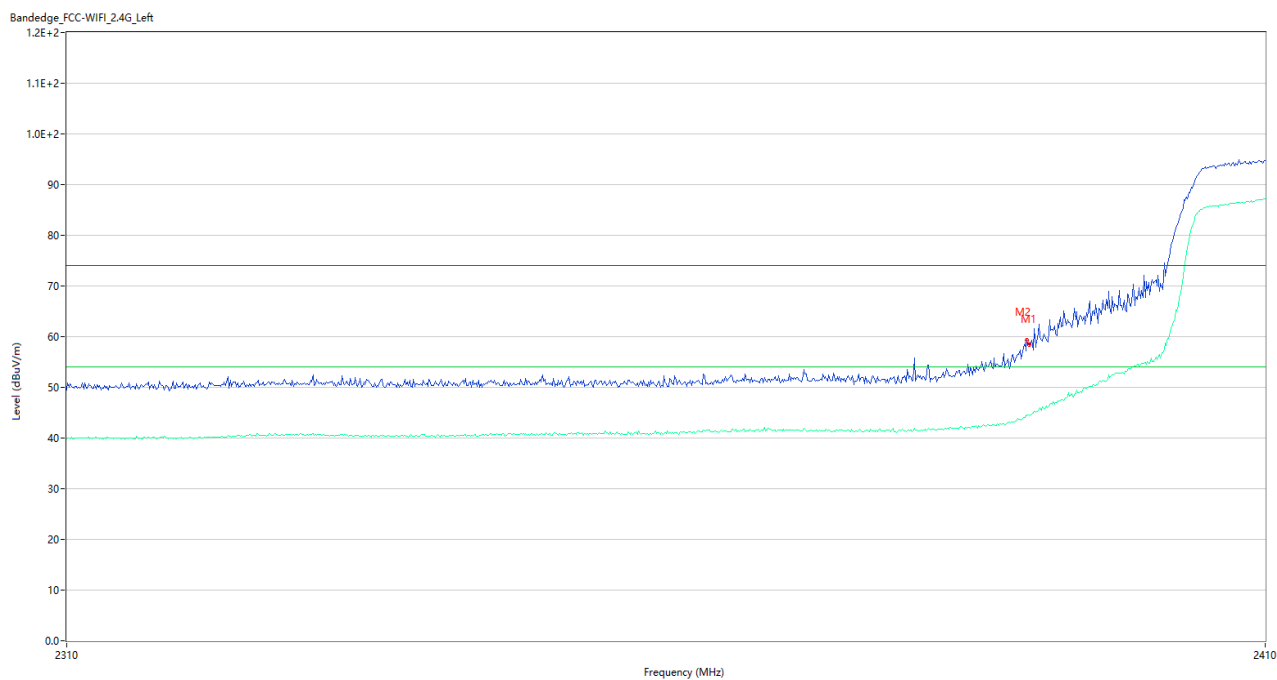
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.43	-4.87	74.0	23.57	Peak	41.02	150	Horizontal	Pass
1**	2390.000	40.31	-4.87	54.0	13.69	AV	41.02	150	Horizontal	Pass
2	2346.400	52.04	-4.80	74.0	21.96	Peak	222.00	150	Horizontal	Pass
2**	2346.400	40.35	-4.80	54.0	13.65	AV	222.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



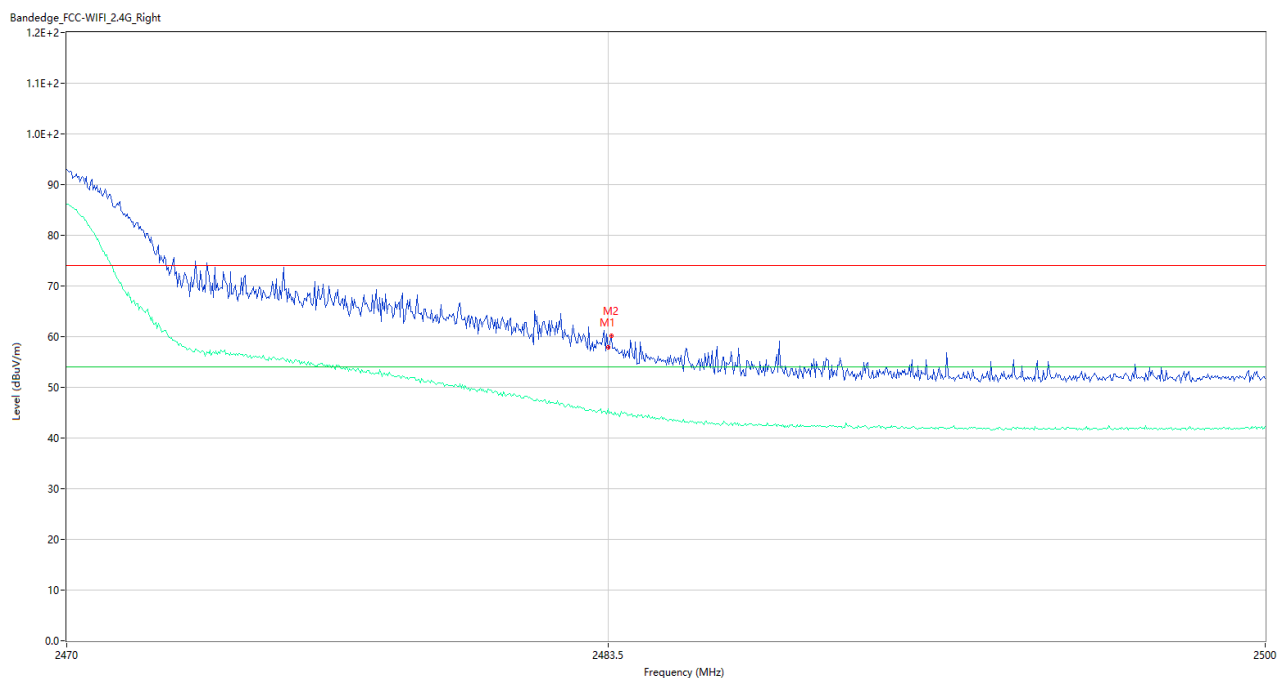
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.46	-3.78	74.0	22.54	Peak	246.00	150	Horizontal	Pass
1**	2483.500	41.25	-3.78	54.0	12.75	AV	246.00	150	Horizontal	Pass
2	2484.190	53.15	-3.78	74.0	20.85	Peak	360.00	150	Horizontal	Pass
2**	2484.190	41.14	-3.78	54.0	12.86	AV	360.00	150	Horizontal	Pass

802.11g LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	58.49	-4.87	74.0	15.51	Peak	251.70	150	Horizontal	Pass
1**	2390.000	44.31	-4.87	54.0	9.69	AV	251.70	150	Horizontal	Pass
2	2389.800	59.33	-4.86	74.0	14.67	Peak	77.00	150	Horizontal	Pass
2**	2389.800	44.40	-4.86	54.0	9.60	AV	77.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



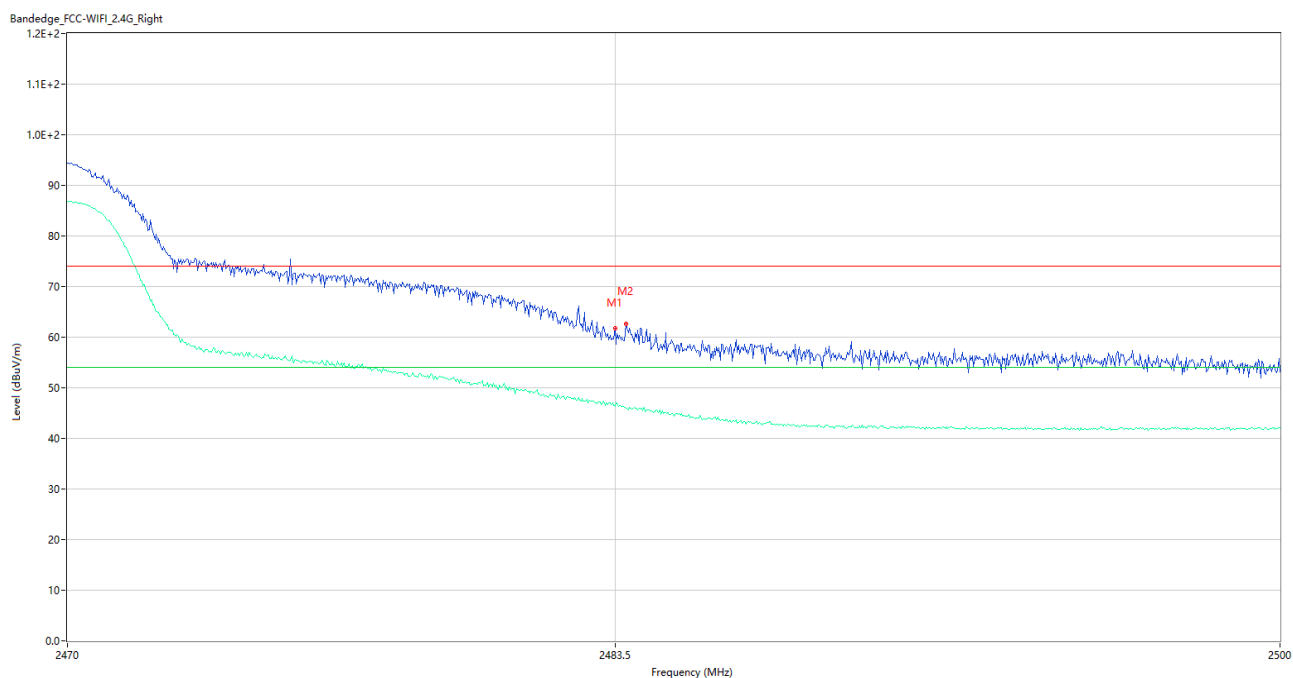
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	57.87	-3.78	74.0	16.13	Peak	17.00	150	Horizontal	Pass
1**	2483.500	45.87	-3.78	54.0	8.13	AV	17.00	150	Horizontal	Pass
2	2483.590	60.10	-3.78	74.0	13.90	Peak	54.00	150	Horizontal	Pass
2**	2483.590	45.03	-3.78	54.0	8.97	AV	54.00	150	Horizontal	Pass

802.11n20 LOW CHANNEL



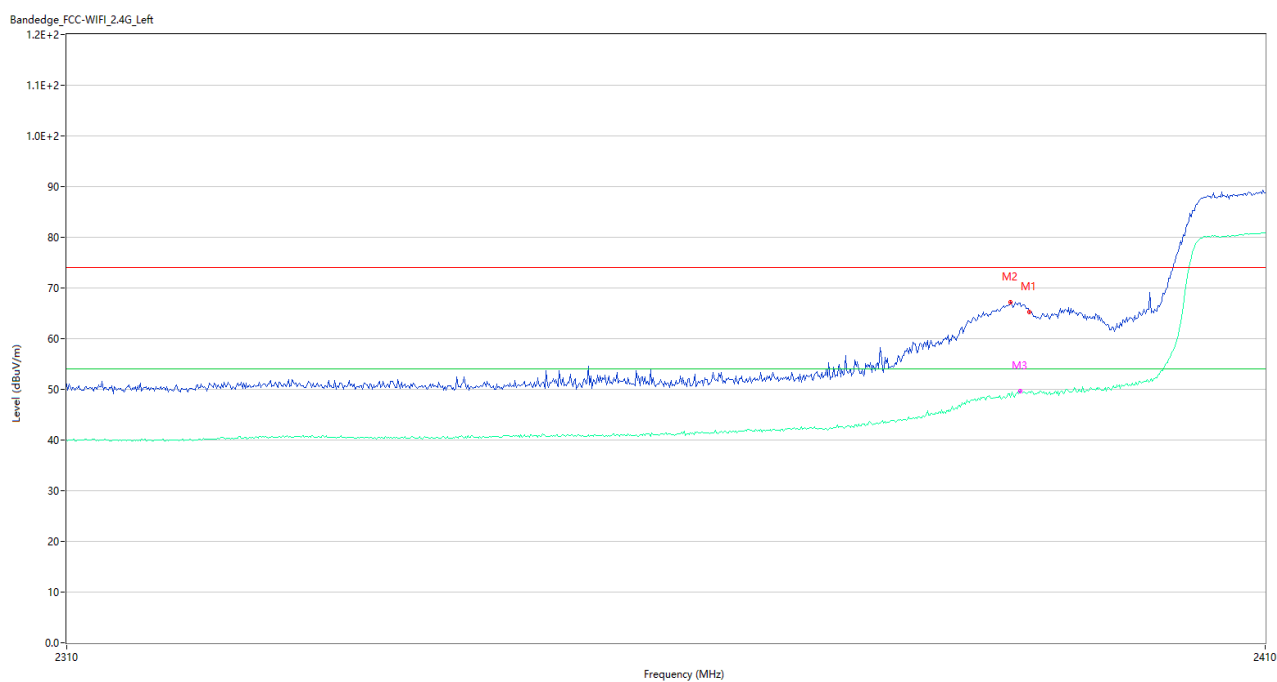
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	58.93	-4.87	74.0	15.07	Peak	41.28	150	Horizontal	Pass
1**	2390.000	45.98	-4.87	54.0	8.02	AV	41.28	150	Horizontal	Pass
2	2389.400	61.57	-4.84	74.0	12.43	Peak	81.00	150	Horizontal	Pass
2**	2389.400	45.11	-4.84	54.0	8.89	AV	81.00	150	Horizontal	Pass

802.11n20 HIGH CHANNEL



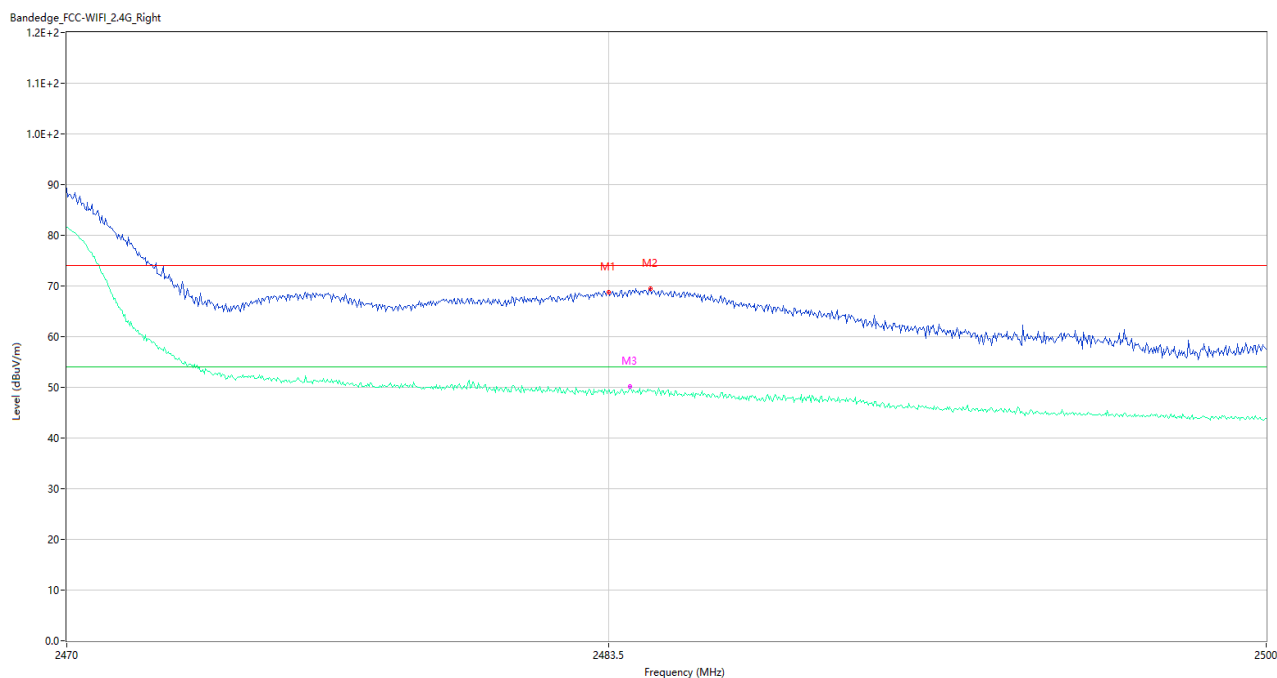
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	61.75	-3.78	74.0	12.25	Peak	90.00	150	Horizontal	Pass
1**	2483.500	46.27	-3.78	54.0	7.73	AV	90.00	150	Horizontal	Pass
2	2483.770	62.56	-3.78	74.0	11.44	Peak	87.00	150	Horizontal	Pass
2**	2483.770	45.90	-3.78	54.0	8.10	AV	87.00	150	Horizontal	Pass

802.11n40 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	65.28	-4.87	74.0	8.72	Peak	82.93	150	Horizontal	Pass
1**	2390.000	49.48	-4.87	54.0	4.52	AV	82.93	150	Horizontal	Pass
2	2388.400	67.13	-4.79	74.0	6.87	Peak	34.00	150	Horizontal	Pass
2**	2388.400	48.35	-4.79	54.0	5.65	AV	34.00	150	Horizontal	Pass
3	2389.200	66.98	-4.83	74.0	7.02	Peak	85.00	150	Horizontal	Pass
3**	2389.200	49.62	-4.83	54.0	4.38	AV	85.00	150	Horizontal	Pass

802.11n40 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin(dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	68.85	-3.78	74.0	5.15	Peak	83.00	150	Horizontal	Pass
1**	2483.500	49.42	-3.78	54.0	4.58	AV	83.00	150	Horizontal	Pass
2	2484.550	69.39	-3.78	74.0	4.61	Peak	83.00	150	Horizontal	Pass
2**	2484.550	49.40	-3.78	54.0	4.60	AV	83.00	150	Horizontal	Pass
3	2484.040	69.18	-3.78	74.0	4.82	Peak	83.00	150	Horizontal	Pass
3**	2484.040	50.21	-3.78	54.0	3.79	AV	83.00	150	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Note: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.14	8
Middle	-11.76	8
High	-11.89	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.15	8
Middle	-12.98	8
High	-10.80	8

802.11n-20 MHz Mode:

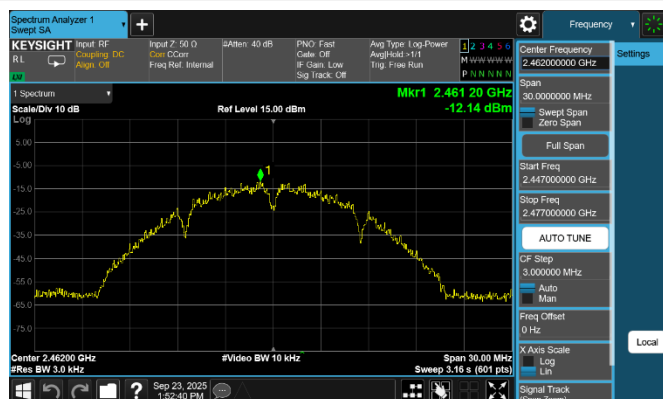
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.50	8
Middle	-11.58	8
High	-11.68	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.71	8
Middle	-14.55	8
High	-14.62	8

Test Plots

802.11b LOW CHANNEL



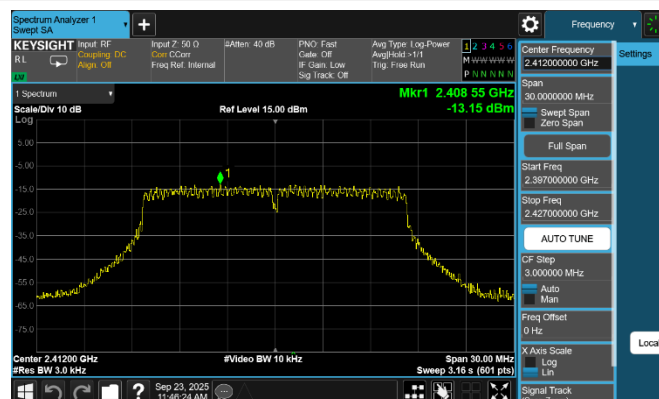
802.11b MIDDLE CHANNEL



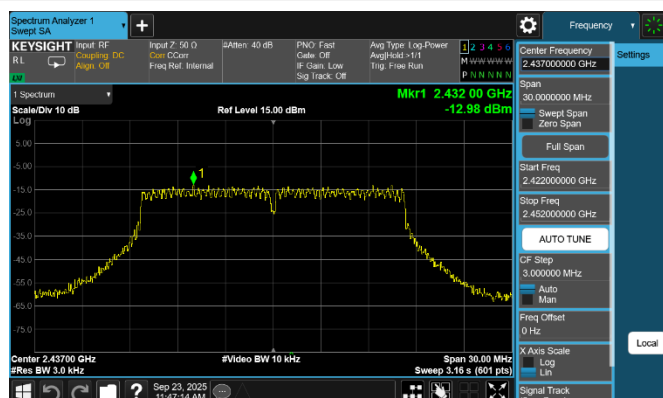
802.11b HIGH CHANNEL



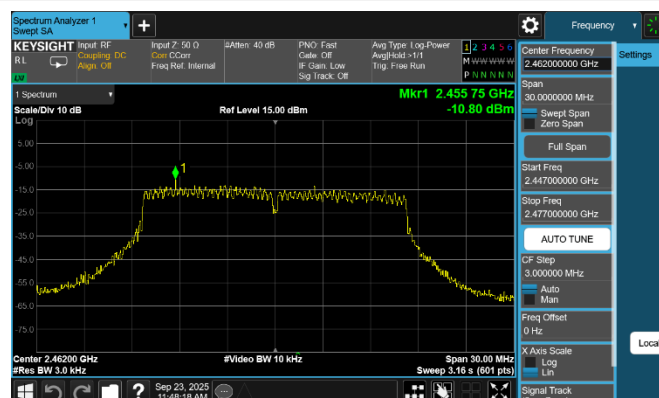
802.11g LOW CHANNEL



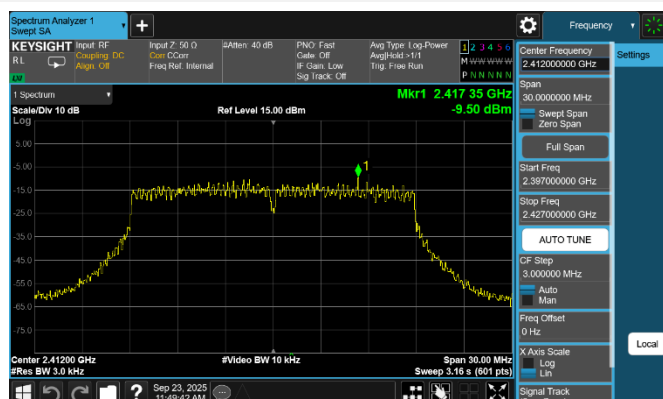
802.11g MIDDLE CHANNEL



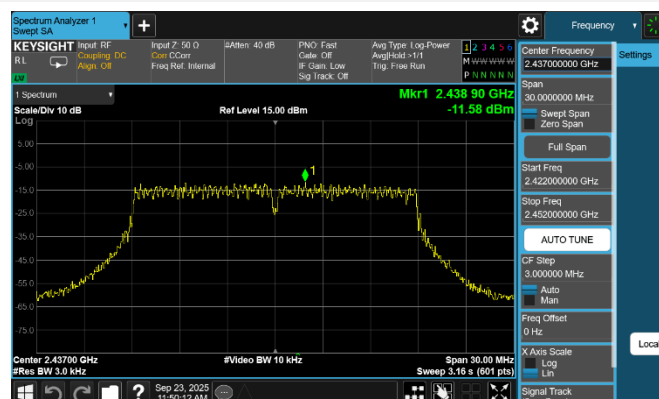
802.11g HIGH CHANNEL



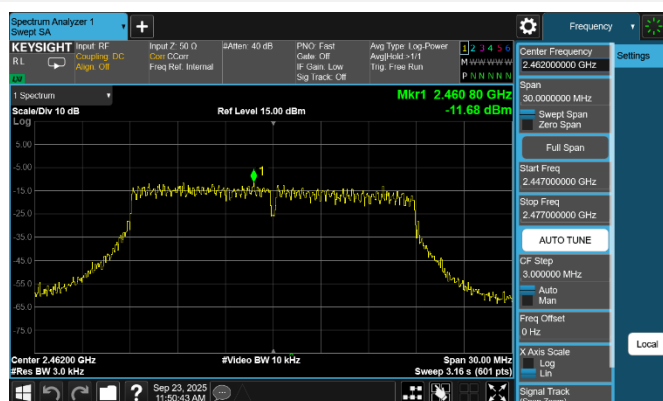
802.11n-20 MHz LOW CHANNEL



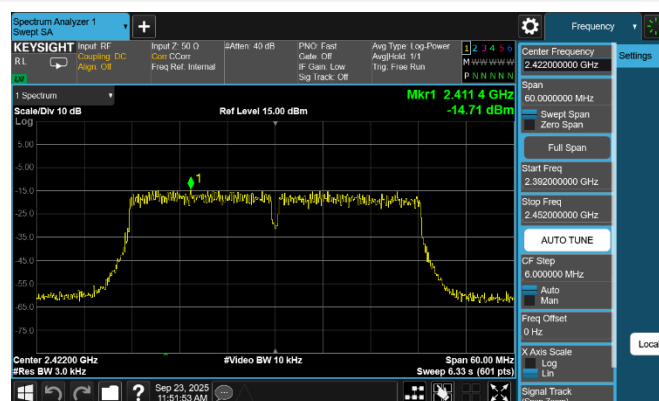
802.11n-20 MHz MIDDLE CHANNEL



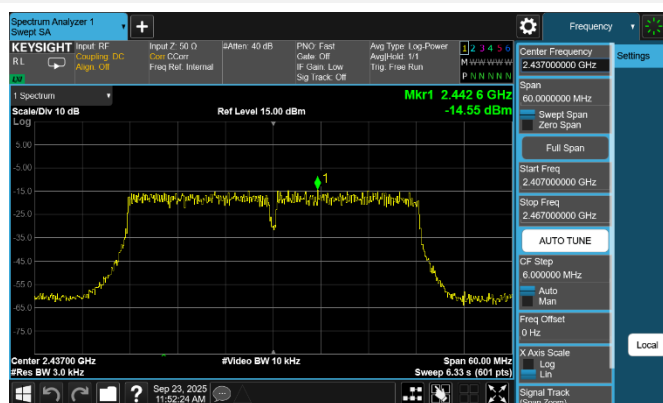
802.11n-20 MHz HIGH CHANNEL



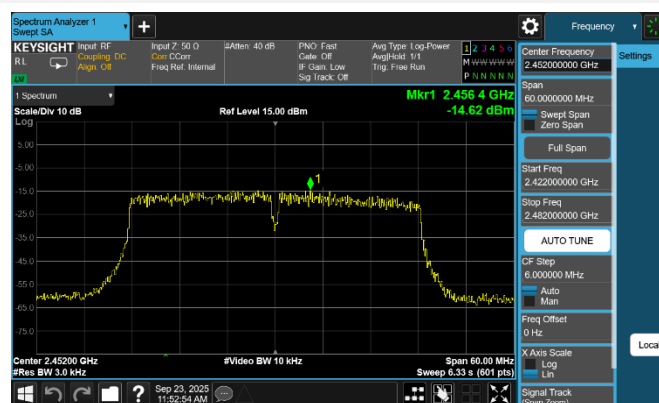
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH2591049-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2591049-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH2591049-AI.PDF”.

Statement

1. The Testing Center guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. For the report with Accreditation Symbol, the items marked with "☆" are not within the accredited scope.
3. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the test report stamp.
4. The test data and results are only valid for the tested samples provided by the customer.
5. This report shall not be partially reproduced without the written permission of the Testing Center.
6. Any objection shall be raised to the Testing Center within 30 days after receiving the report.

--END OF REPORT--