

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.

Note 2: All antenna were tested, but only the worst case has been reported in this report.

Note 3: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-43.00	8.39	-11.61	Pass
High	-47.41	7.58	-12.42	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-27.22	6.34	-13.66	Pass
High	-45.11	2.61	-17.39	Pass

802.11n-20 MHz Mode:

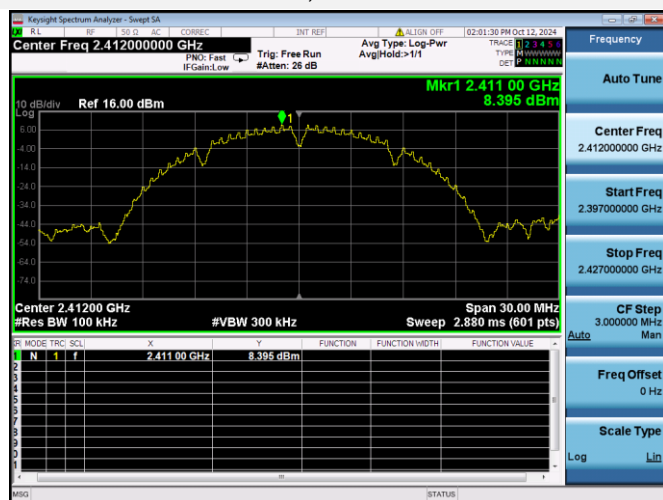
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-26.51	6.31	-13.69	Pass
High	-45.35	2.23	-17.77	Pass

802.11n-40 MHz Mode:

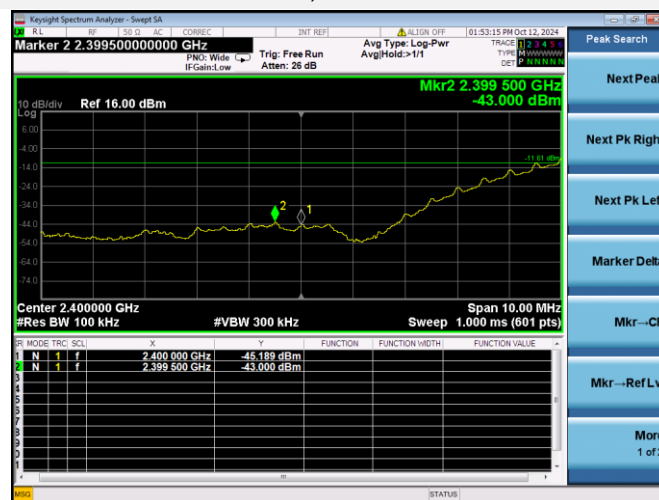
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-33.51	2.48	-17.52	Pass
High	-46.50	-2.62	-22.62	Pass

Test Plots

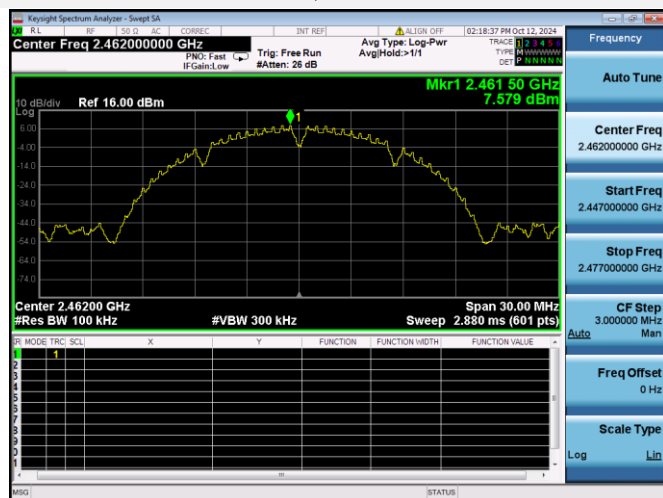
802.11b LOW CHANNEL, CARRIER LEVEL



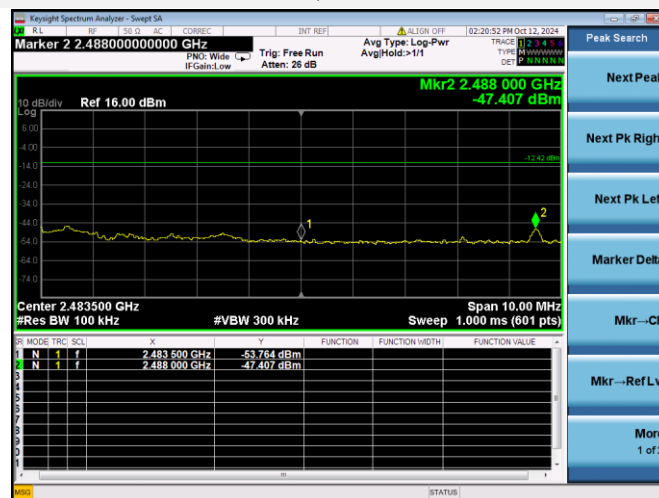
802.11b LOW CHANNEL, BAND EDGE



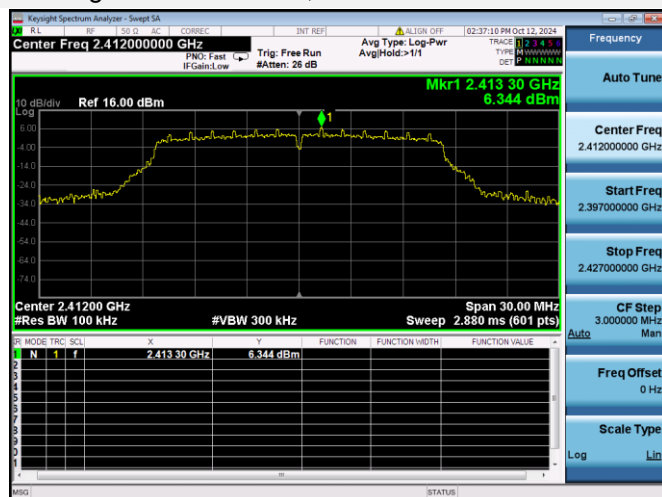
802.11b HIGH CHANNEL, CARRIER LEVEL



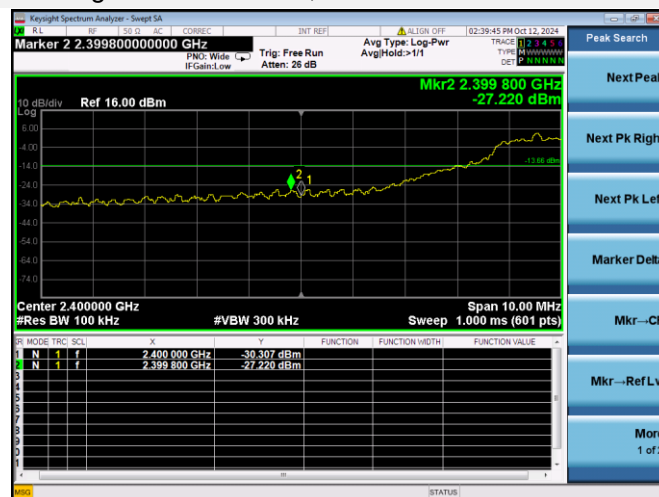
802.11b HIGH CHANNEL, BAND EDGE



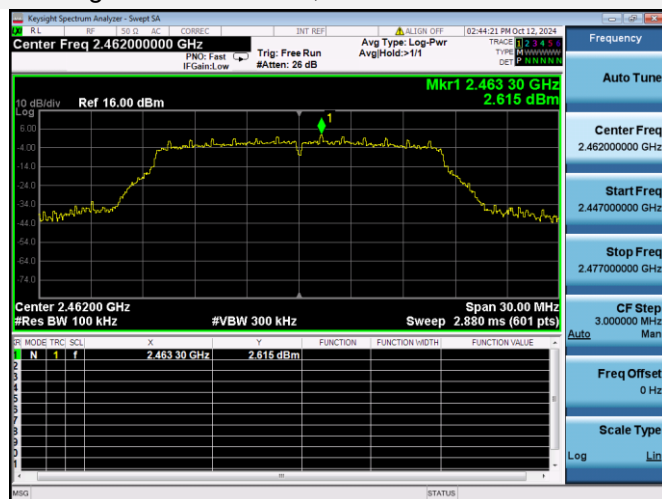
802.11g LOW CHANNEL, CARRIER LEVEL



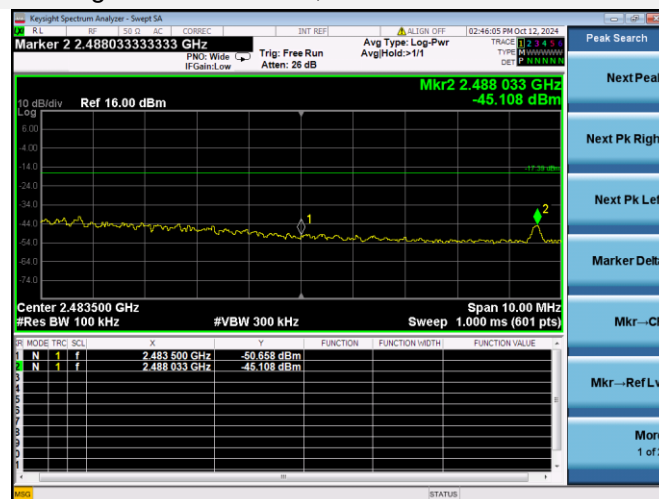
802.11g LOW CHANNEL, BAND EDGE



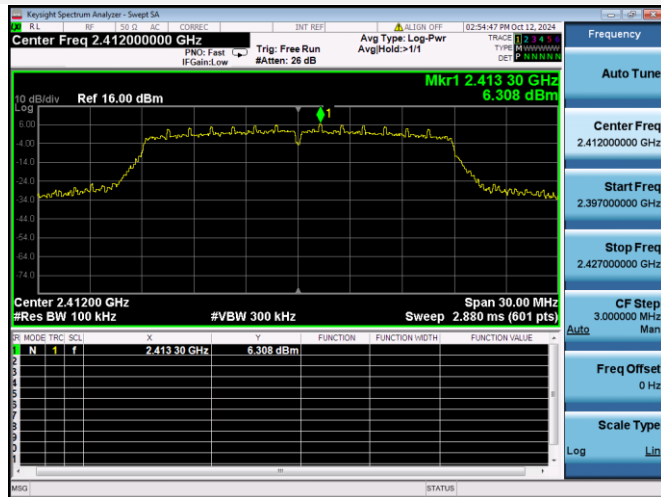
802.11g HIGH CHANNEL, CARRIER LEVEL



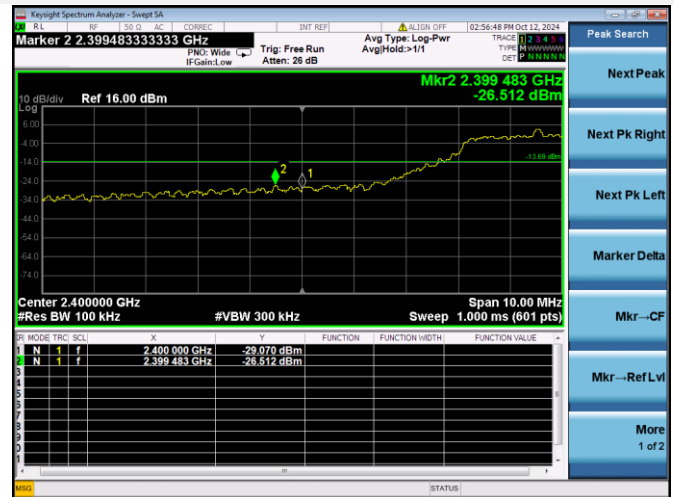
802.11g HIGH CHANNEL, BAND EDGE



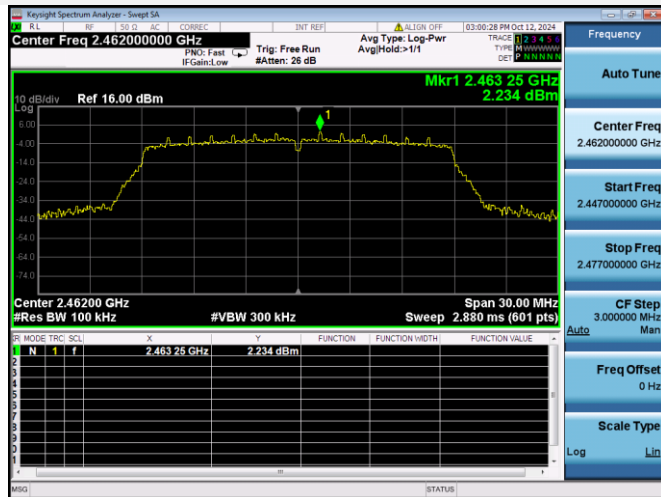
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



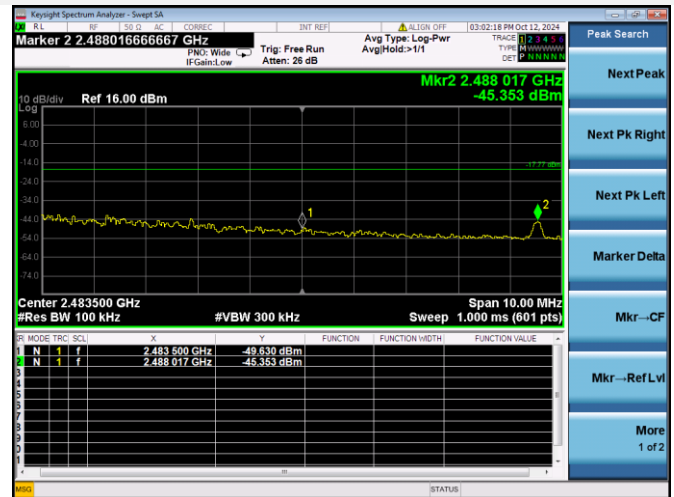
802.11n-20 MHz LOW CHANNEL, BAND EDGE



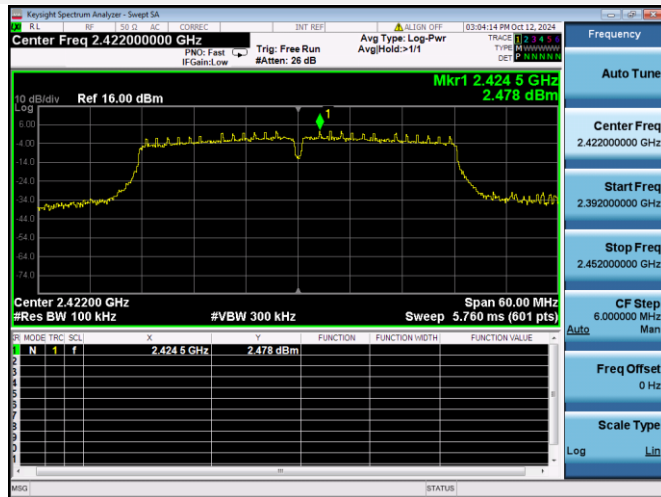
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



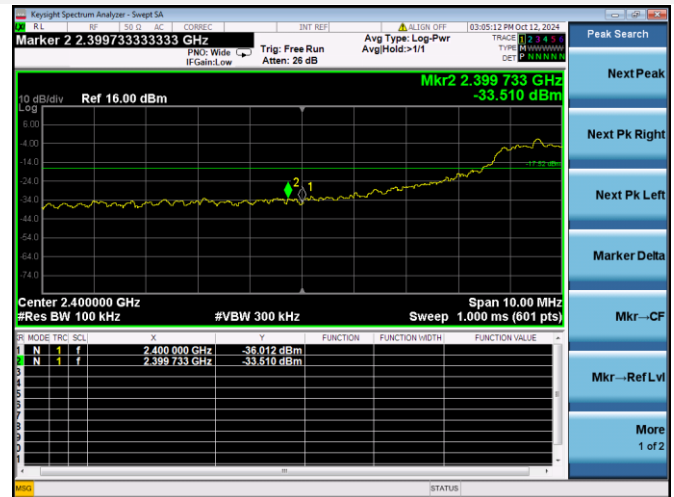
802.11n-20 MHz HIGH CHANNEL, BAND EDGE



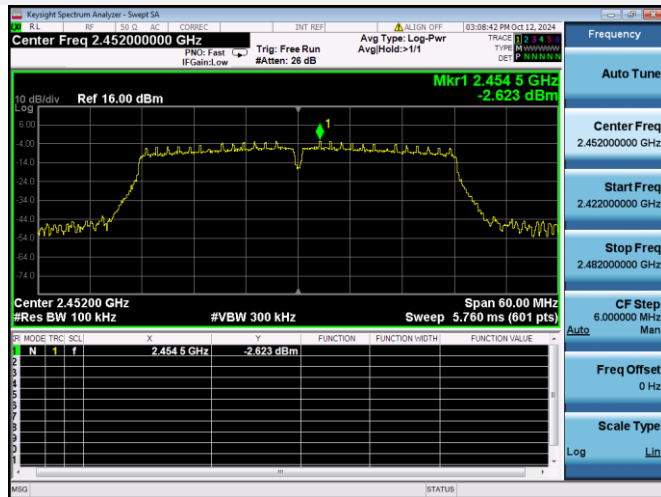
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



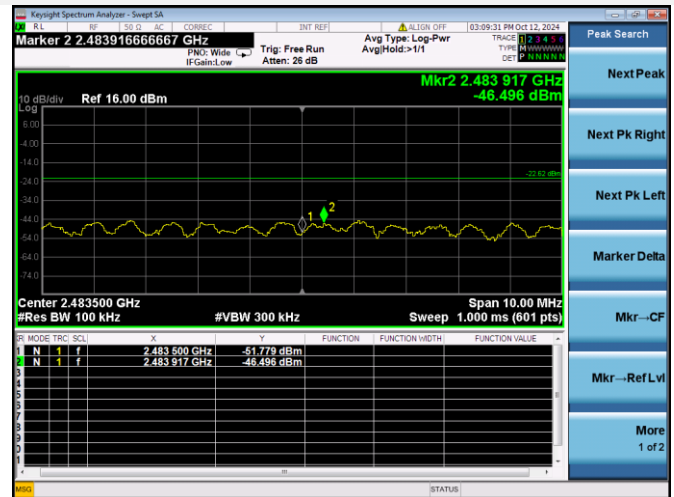
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



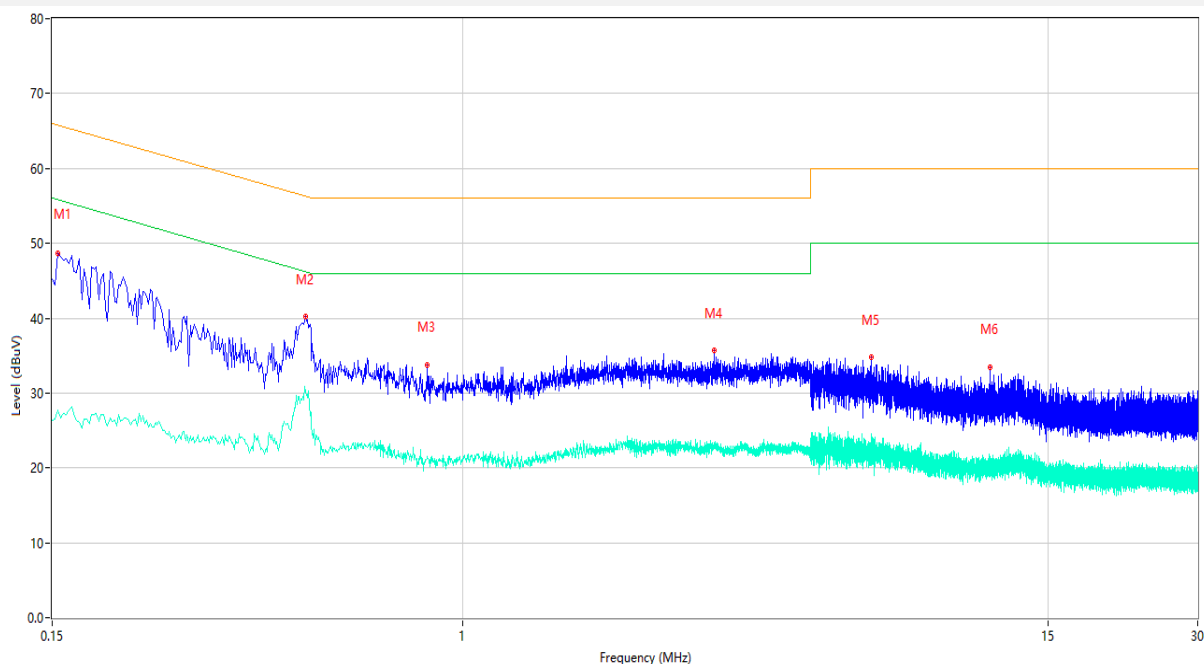
A.5 Conducted Emission

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)

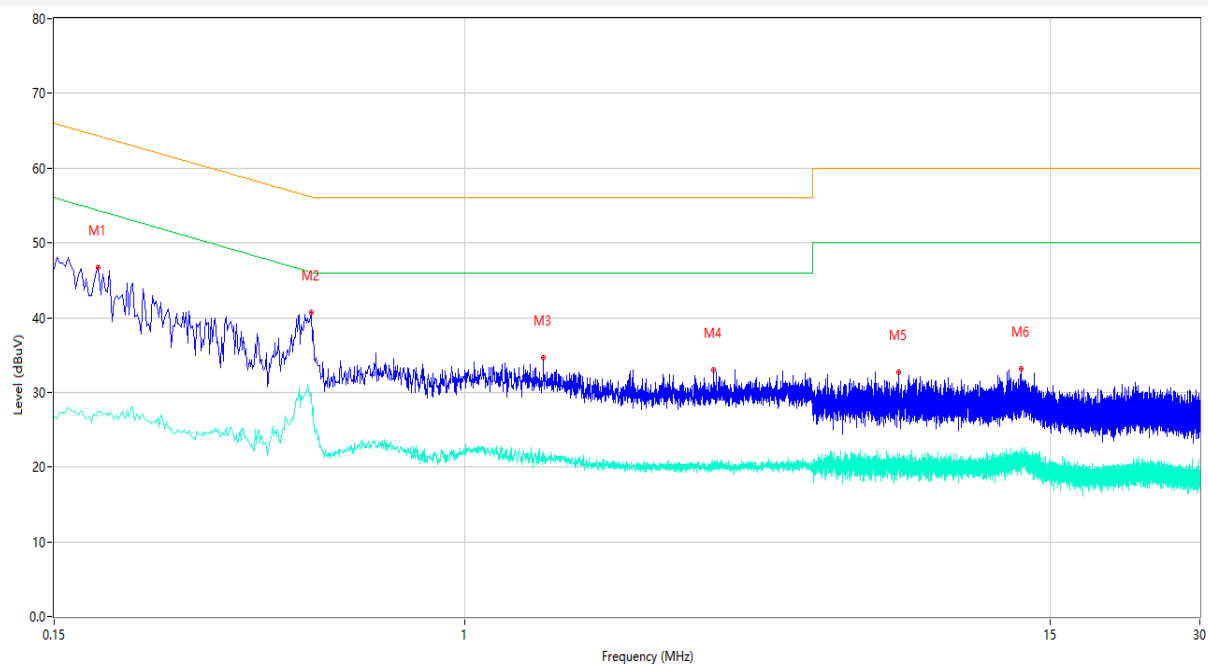
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	48.71	9.75	65.78	17.07	Peak	L	Pass
1**	0.154	27.69	9.75	55.78	28.09	AV	L	Pass
2	0.484	40.22	9.74	56.27	16.05	Peak	L	Pass
2**	0.484	30.18	9.74	46.27	16.09	AV	L	Pass
3	0.850	33.82	9.71	56.00	22.18	Peak	L	Pass
3**	0.850	21.48	9.71	46.00	24.52	AV	L	Pass
4	3.204	35.69	9.67	56.00	20.31	Peak	L	Pass
4**	3.204	22.69	9.67	46.00	23.31	AV	L	Pass
5	6.620	34.85	9.59	60.00	25.15	Peak	L	Pass
5**	6.620	24.50	9.59	50.00	25.50	AV	L	Pass
6	11.492	33.50	9.41	60.00	26.50	Peak	L	Pass
6**	11.492	21.50	9.41	50.00	28.50	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.184	46.71	9.74	64.30	17.59	Peak	N	Pass
1**	0.184	27.44	9.74	54.30	26.86	AV	N	Pass
2	0.492	40.66	9.80	56.13	15.47	Peak	N	Pass
2**	0.492	29.94	9.80	46.13	16.19	AV	N	Pass
3	1.442	34.72	9.87	56.00	21.28	Peak	N	Pass
3**	1.442	21.95	9.87	46.00	24.05	AV	N	Pass
4	3.170	33.02	9.85	56.00	22.98	Peak	N	Pass
4**	3.170	20.39	9.85	46.00	25.61	AV	N	Pass
5	7.446	32.70	9.79	60.00	27.30	Peak	N	Pass
5**	7.446	21.32	9.79	50.00	28.68	AV	N	Pass
6	13.110	33.13	9.60	60.00	26.87	Peak	N	Pass
6**	13.110	21.88	9.60	50.00	28.12	AV	N	Pass

A.6 Radiated Emission

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

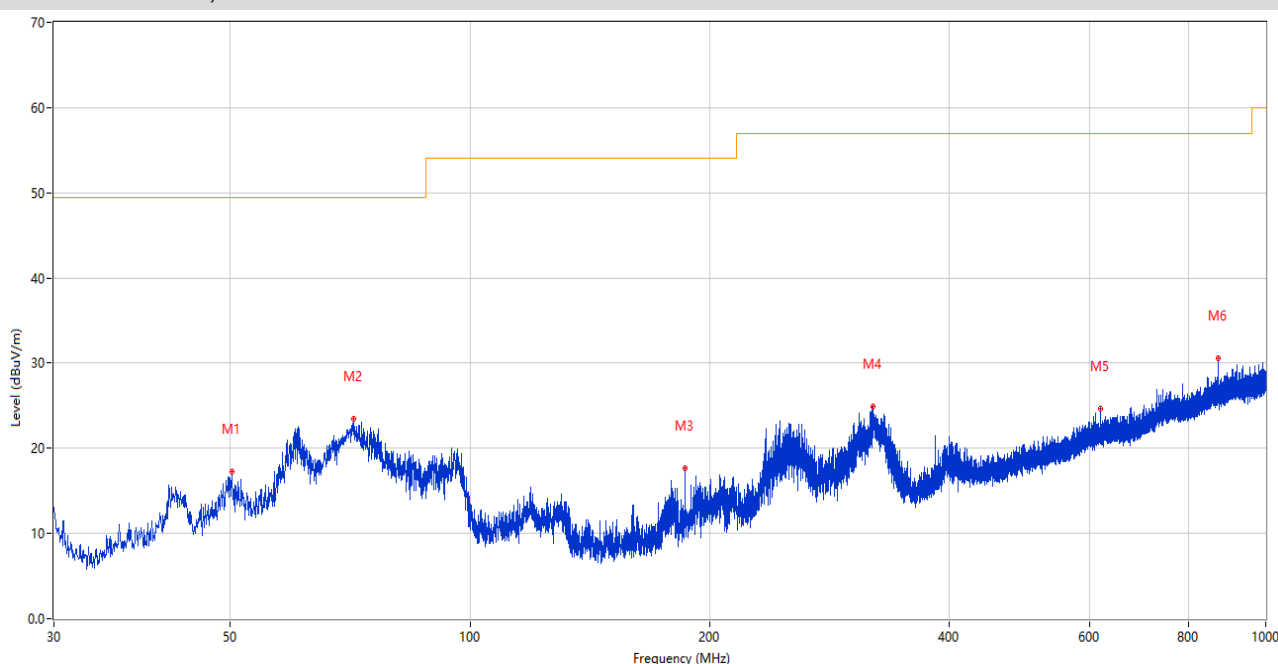
Note 2: For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

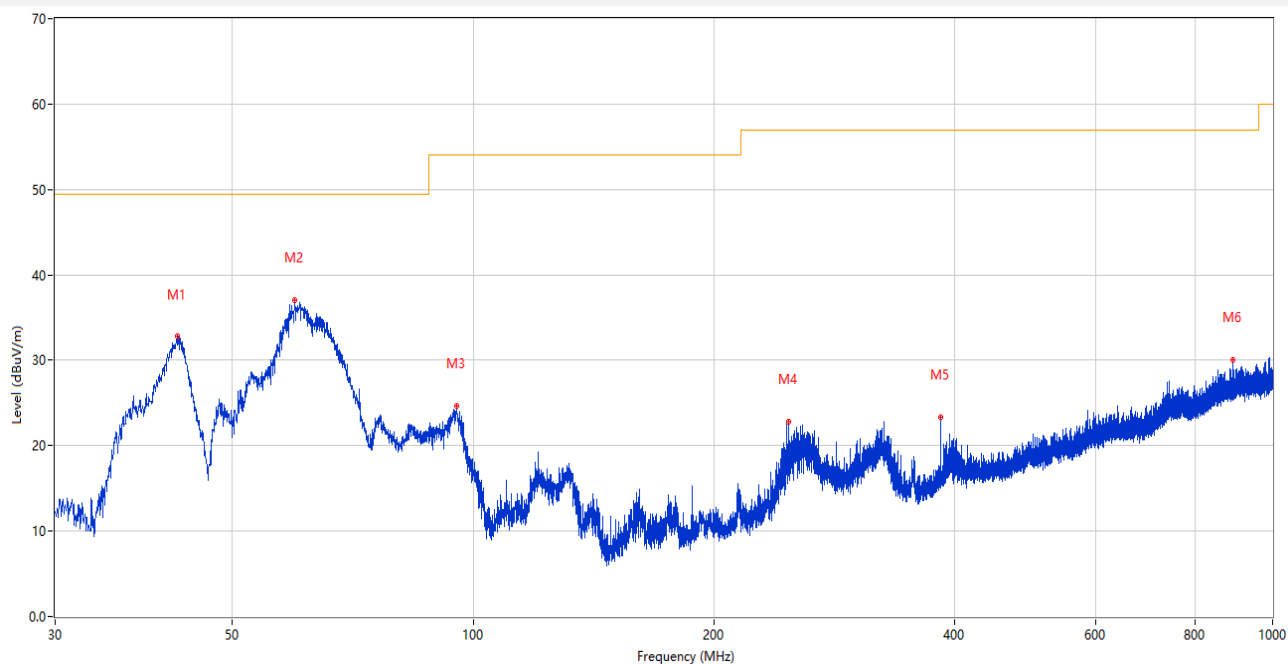
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	50.176	17.23	-24.61	49.5	32.27	Peak	345.00	200	Horizontal	Pass
2	71.467	23.43	-29.54	49.5	26.07	Peak	170.00	200	Horizontal	Pass
3	186.316	17.66	-27.35	54.0	36.34	Peak	285.00	200	Horizontal	Pass
4	320.952	24.91	-22.91	57.0	32.09	Peak	276.00	100	Horizontal	Pass
5	620.730	24.69	-15.11	57.0	32.31	Peak	129.00	100	Horizontal	Pass
6	871.669	30.65	-10.64	57.0	26.35	Peak	114.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	42.610	32.76	-25.26	49.5	16.74	Peak	227.00	100	Vertical	Pass
2	59.730	36.99	-26.11	49.5	12.51	Peak	353.00	100	Vertical	Pass
3	95.232	24.68	-26.87	54.0	29.32	Peak	360.00	100	Vertical	Pass
4	247.959	22.76	-24.48	57.0	34.24	Peak	55.00	100	Vertical	Pass
5	384.002	23.34	-21.22	57.0	33.66	Peak	227.00	200	Vertical	Pass
6	892.185	30.10	-10.48	57.0	26.90	Peak	360.00	100	Vertical	Pass

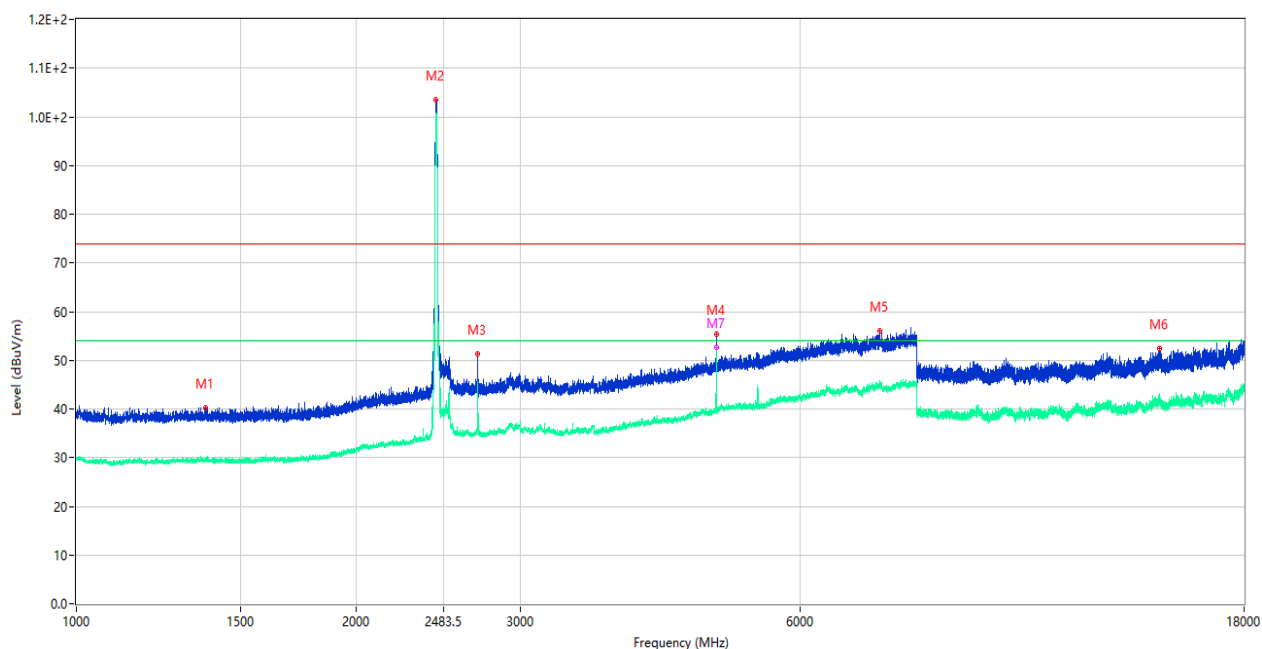
Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

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.

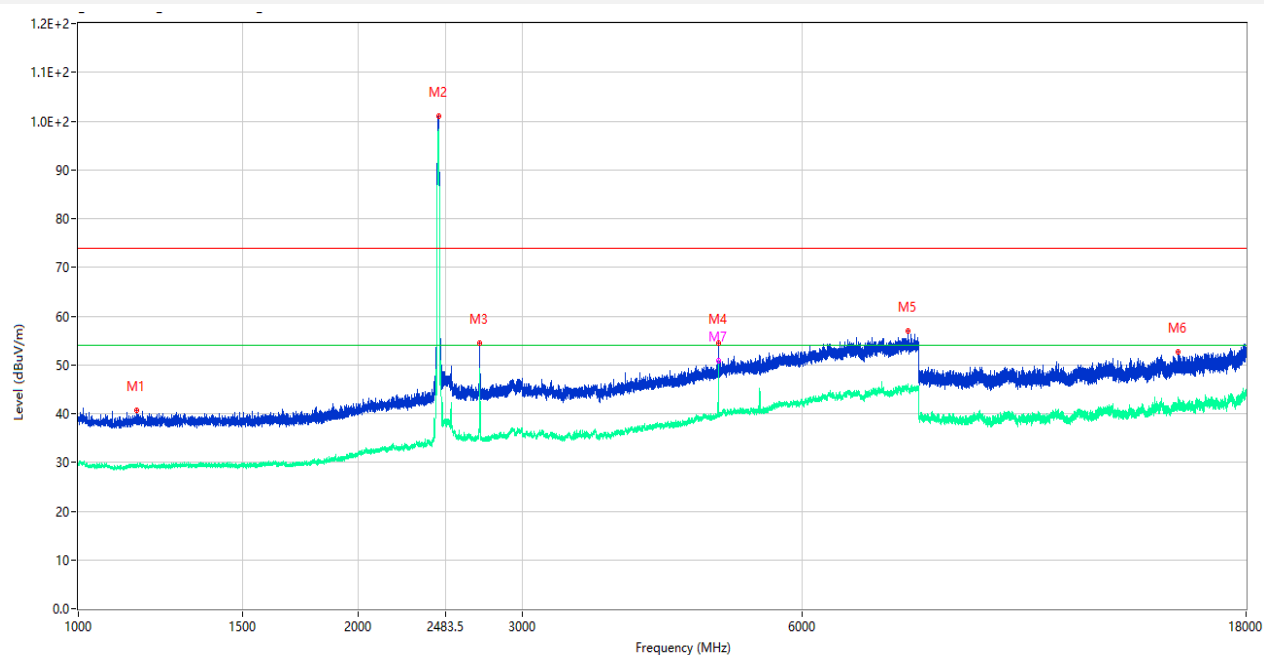
Note 4: All the configurations were pre tested, only the worst configuration has been reported in this report.

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



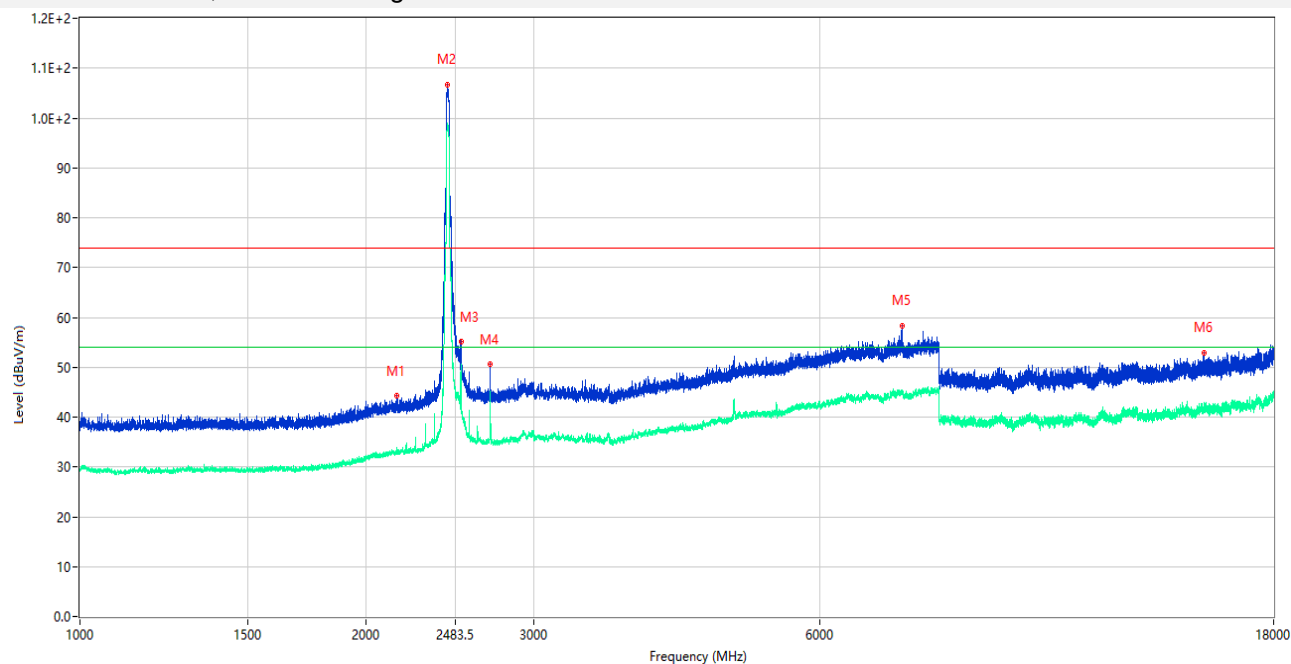
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1375.750	40.22	-15.08	74.0	33.78	Peak	359.00	150	Horizontal	Pass
1**	1375.750	29.38	-15.08	54.0	24.62	AV	359.00	150	Horizontal	Pass
2	2435.750	103.58	-11.28	74.0	-29.58	Peak	152.00	150	Horizontal	N/A
2**	2435.750	100.53	-11.28	54.0	-46.53	AV	152.00	150	Horizontal	N/A
3	2698.750	51.19	-9.58	74.0	22.81	Peak	245.00	150	Horizontal	Pass
3**	2698.750	44.12	-9.58	54.0	9.88	AV	245.00	150	Horizontal	Pass
4	4874.000	55.33	-1.30	74.0	18.67	Peak	83.00	150	Horizontal	Pass
4**	4874.000	50.34	-1.30	54.0	3.66	AV	83.00	150	Horizontal	Pass
5	7297.000	56.07	2.73	74.0	17.93	Peak	0.00	150	Horizontal	Pass
5**	7297.000	44.34	2.73	54.0	9.66	AV	0.00	150	Horizontal	Pass
6	14585.500	52.40	0.95	74.0	21.60	Peak	175.00	150	Horizontal	Pass
6**	14585.500	42.52	0.95	54.0	11.48	AV	175.00	150	Horizontal	Pass
7	4874.500	54.22	-1.32	74.0	19.78	Peak	83.00	150	Horizontal	Pass
7**	4874.500	52.54	-1.32	54.0	1.46	AV	83.00	150	Horizontal	Pass

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



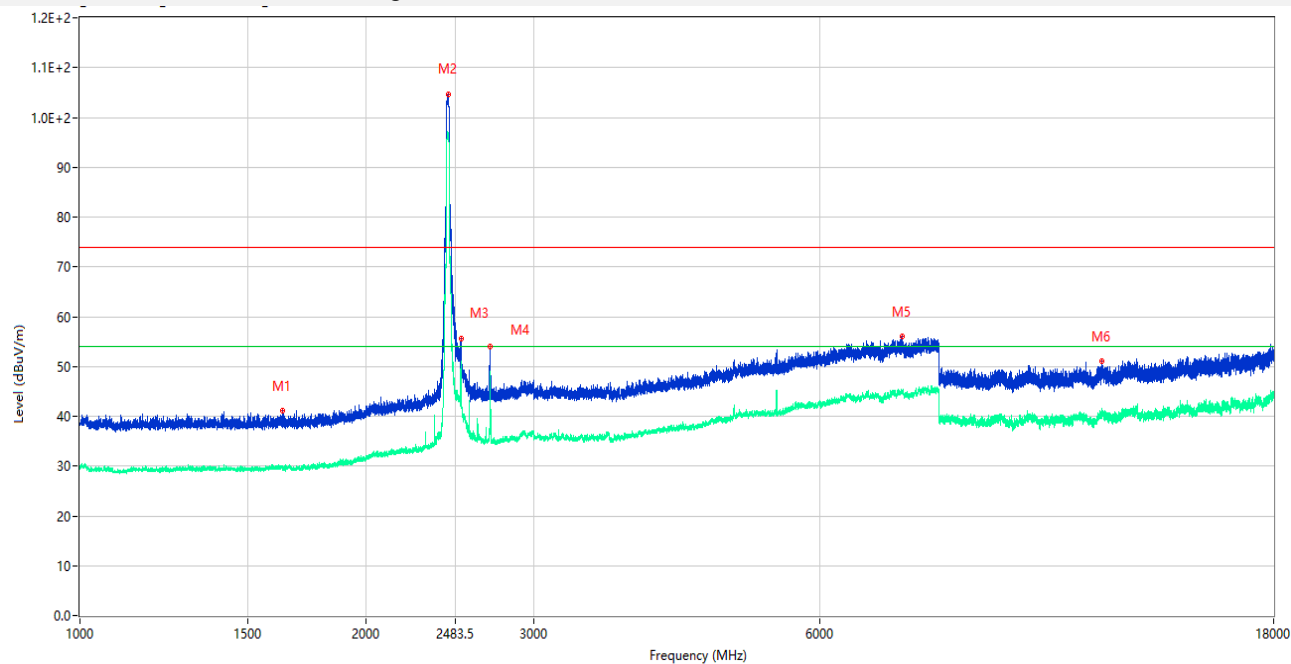
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1154.250	40.67	-14.68	74.0	33.33	Peak	44.00	150	Vertical	Pass
1**	1154.250	29.20	-14.68	54.0	24.80	AV	44.00	150	Vertical	Pass
2	2438.250	101.09	-11.32	74.0	-27.09	Peak	102.00	150	Vertical	N/A
2**	2438.250	98.25	-11.32	54.0	-44.25	AV	102.00	150	Vertical	N/A
3	2699.750	54.50	-9.59	74.0	19.50	Peak	164.00	150	Vertical	Pass
3**	2699.750	47.48	-9.59	54.0	6.52	AV	164.00	150	Vertical	Pass
4	4874.000	54.53	-1.30	74.0	19.47	Peak	211.00	150	Vertical	Pass
4**	4874.000	48.02	-1.30	54.0	5.98	AV	211.00	150	Vertical	Pass
5	7802.000	56.94	3.73	74.0	17.06	Peak	329.00	150	Vertical	Pass
5**	7802.000	45.14	3.73	54.0	8.86	AV	329.00	150	Vertical	Pass
6	15213.000	52.68	1.35	74.0	21.32	Peak	359.00	150	Vertical	Pass
6**	15213.000	42.24	1.35	54.0	11.76	AV	359.00	150	Vertical	Pass
7	4874.500	52.91	-1.32	74.0	21.09	Peak	4.00	150	Vertical	Pass
7**	4874.500	50.80	-1.32	54.0	3.20	AV	4.00	150	Vertical	Pass

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



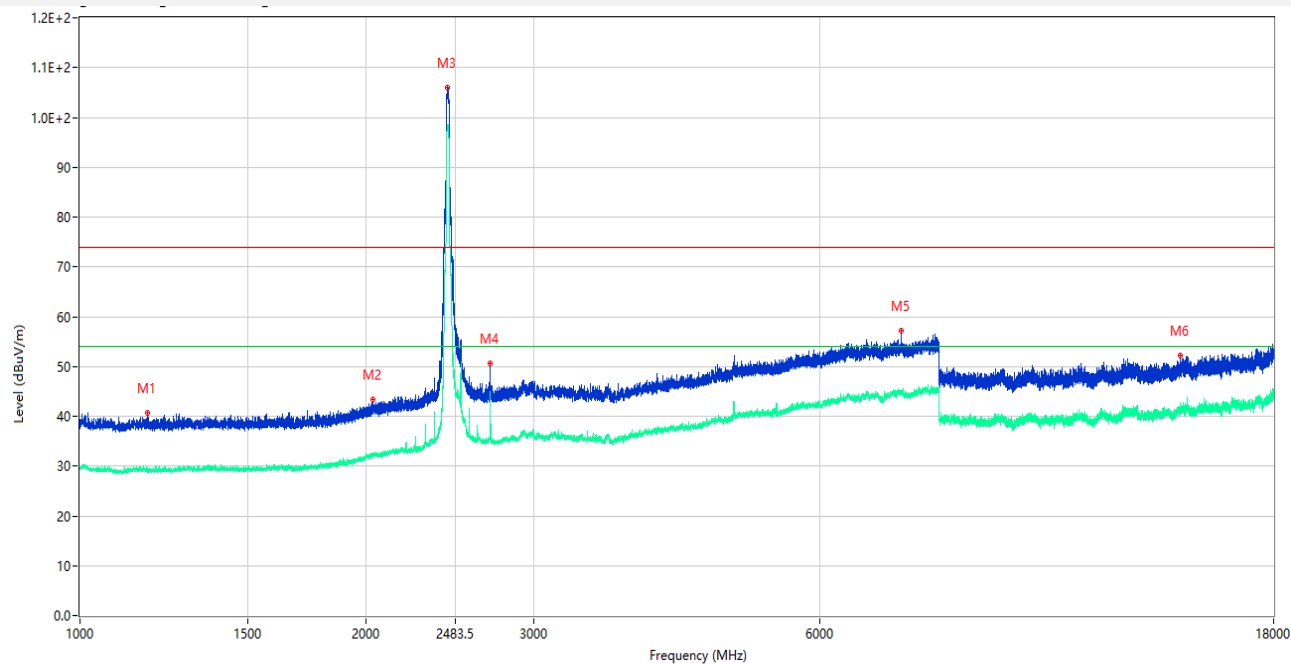
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2151.000	44.28	-12.42	74.0	29.72	Peak	261.00	150	Horizontal	Pass
1**	2151.000	33.42	-12.42	54.0	20.58	AV	261.00	150	Horizontal	Pass
2	2435.500	106.78	-11.26	74.0	-32.78	Peak	150.00	150	Horizontal	N/A
2**	2435.500	98.45	-11.26	54.0	-44.45	AV	150.00	150	Horizontal	N/A
3	2515.000	55.20	-10.87	74.0	18.80	Peak	353.00	150	Horizontal	Pass
3**	2515.000	49.91	-10.87	54.0	4.09	AV	353.00	150	Horizontal	Pass
4	2701.000	50.59	-9.59	74.0	23.41	Peak	248.00	150	Horizontal	Pass
4**	2701.000	44.58	-9.59	54.0	9.42	AV	248.00	150	Horizontal	Pass
5	7318.000	58.40	2.63	74.0	15.60	Peak	158.00	150	Horizontal	Pass
5**	7318.000	45.07	2.63	54.0	8.93	AV	158.00	150	Horizontal	Pass
6	15211.000	52.99	1.16	74.0	21.01	Peak	218.00	150	Horizontal	Pass
6**	15211.000	42.53	1.16	54.0	11.47	AV	218.00	150	Horizontal	Pass

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



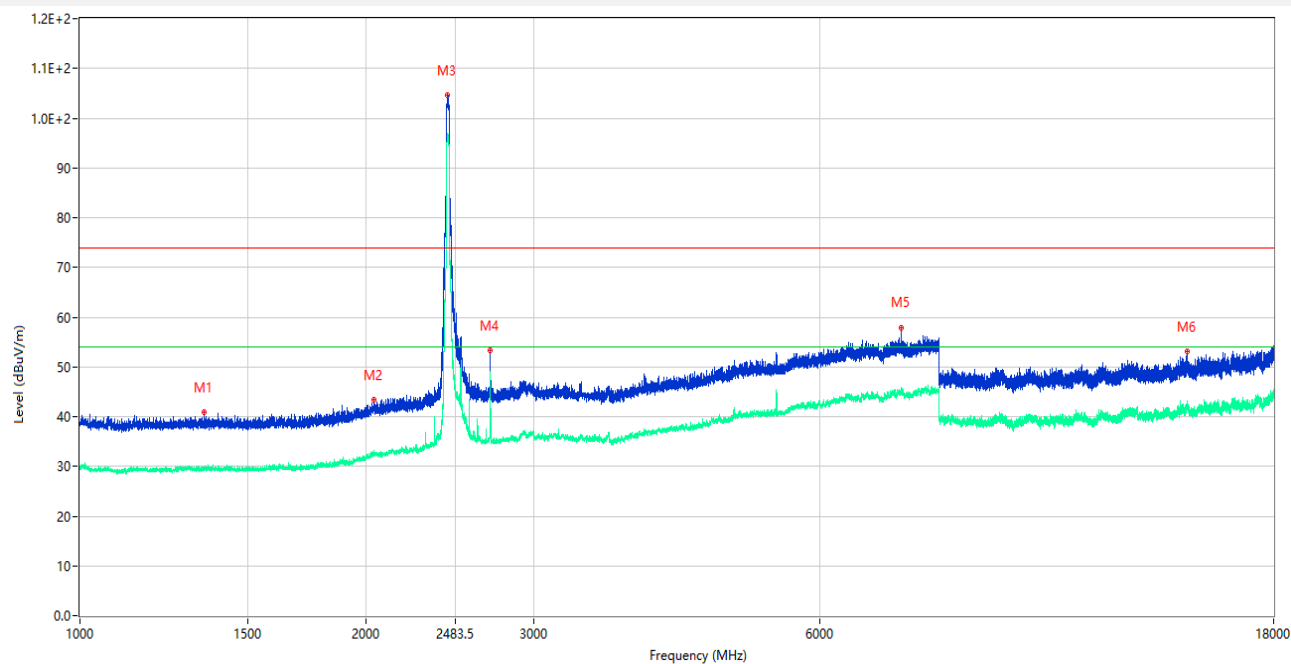
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1631.500	41.19	-14.87	74.0	32.81	Peak	360.00	150	Vertical	Pass
1**	1631.500	29.75	-14.87	54.0	24.25	AV	360.00	150	Vertical	Pass
2	2438.250	104.73	-11.32	74.0	-30.73	Peak	107.00	150	Vertical	N/A
2**	2438.250	96.91	-11.32	54.0	-42.91	AV	107.00	150	Vertical	N/A
3	2515.000	55.59	-10.87	74.0	18.41	Peak	173.00	150	Vertical	Pass
3**	2515.000	50.31	-10.87	54.0	3.69	AV	173.00	150	Vertical	Pass
4	2701.000	53.91	-9.59	74.0	20.09	Peak	178.00	150	Vertical	Pass
4**	2701.000	48.24	-9.59	54.0	5.76	AV	178.00	150	Vertical	Pass
5	7316.000	56.00	2.63	74.0	18.00	Peak	111.00	150	Vertical	Pass
5**	7316.000	44.76	2.63	54.0	9.24	AV	111.00	150	Vertical	Pass
6	11888.000	51.00	-1.04	74.0	23.00	Peak	51.00	150	Vertical	Pass
6**	11888.000	40.13	-1.04	54.0	13.87	AV	51.00	150	Vertical	Pass

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



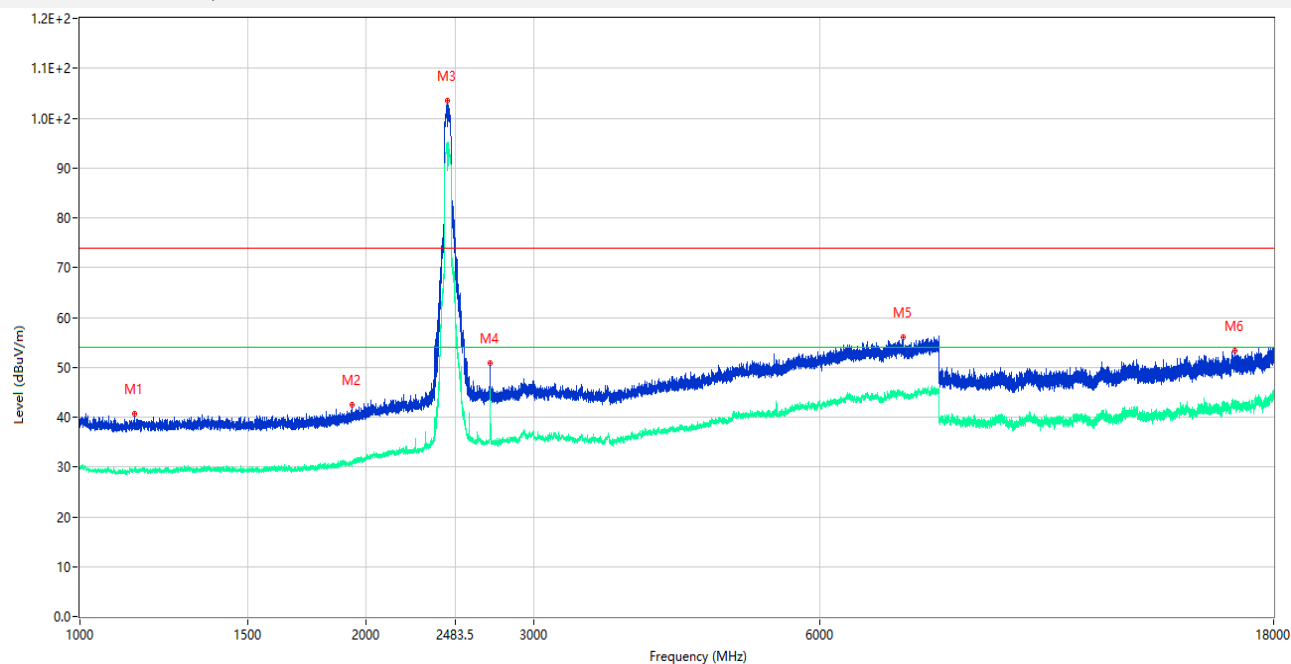
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1177.500	40.66	-14.76	74.0	33.34	Peak	2.00	150	Horizontal	Pass
1**	1177.500	29.24	-14.76	54.0	24.76	AV	2.00	150	Horizontal	Pass
2	2034.250	43.37	-12.26	74.0	30.63	Peak	14.00	150	Horizontal	Pass
2**	2034.250	32.04	-12.26	54.0	21.96	AV	14.00	150	Horizontal	Pass
3	2436.000	106.00	-11.29	74.0	-32.00	Peak	149.00	150	Horizontal	N/A
3**	2436.000	98.18	-11.29	54.0	-44.18	AV	149.00	150	Horizontal	N/A
4	2701.000	50.54	-9.59	74.0	23.46	Peak	243.00	150	Horizontal	Pass
4**	2701.000	44.51	-9.59	54.0	9.49	AV	243.00	150	Horizontal	Pass
5	7308.500	57.14	2.60	74.0	16.86	Peak	172.00	150	Horizontal	Pass
5**	7308.500	45.26	2.60	54.0	8.74	AV	172.00	150	Horizontal	Pass
6	14370.500	52.12	1.63	74.0	21.88	Peak	360.00	150	Horizontal	Pass
6**	14370.500	42.02	1.63	54.0	11.98	AV	360.00	150	Horizontal	Pass

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



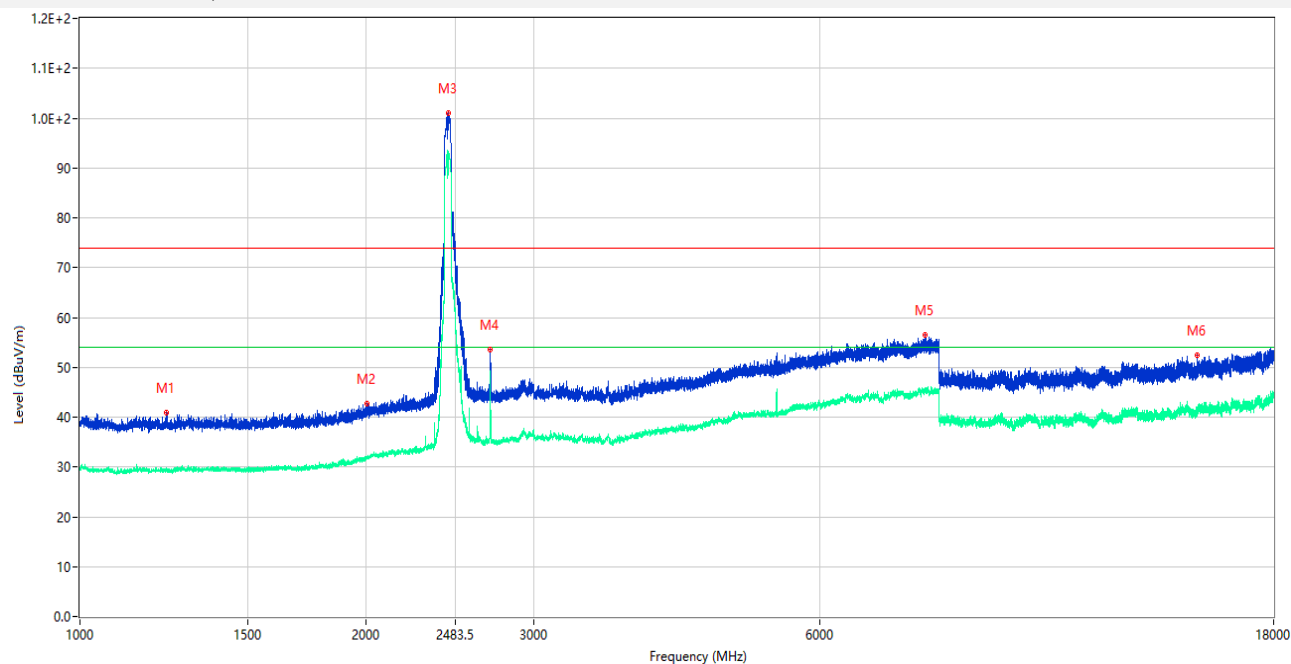
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1350.250	40.82	-15.03	74.0	33.18	Peak	237.00	150	Vertical	Pass
1**	1350.250	29.53	-15.03	54.0	24.47	AV	237.00	150	Vertical	Pass
2	2036.250	43.42	-12.16	74.0	30.58	Peak	175.00	150	Vertical	Pass
2**	2036.250	32.49	-12.16	54.0	21.51	AV	175.00	150	Vertical	Pass
3	2435.000	104.58	-11.24	74.0	-30.58	Peak	100.00	150	Vertical	N/A
3**	2435.000	96.67	-11.24	54.0	-42.67	AV	100.00	150	Vertical	N/A
4	2699.000	53.34	-9.57	74.0	20.66	Peak	179.00	150	Vertical	Pass
4**	2699.000	48.81	-9.57	54.0	5.19	AV	179.00	150	Vertical	Pass
5	7312.000	57.94	2.62	74.0	16.06	Peak	188.00	150	Vertical	Pass
5**	7312.000	45.06	2.62	54.0	8.94	AV	188.00	150	Vertical	Pass
6	14591.500	53.05	1.34	74.0	20.95	Peak	0.00	150	Vertical	Pass
6**	14591.500	42.63	1.34	54.0	11.37	AV	0.00	150	Vertical	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1141.500	40.62	-14.70	74.0	33.38	Peak	241.00	150	Horizontal	Pass
1**	1141.500	29.29	-14.70	54.0	24.71	AV	241.00	150	Horizontal	Pass
2	1931.750	42.53	-14.16	74.0	31.47	Peak	212.00	150	Horizontal	Pass
2**	1931.750	30.47	-14.16	54.0	23.53	AV	212.00	150	Horizontal	Pass
3	2433.250	103.50	-11.22	74.0	-29.50	Peak	149.00	150	Horizontal	N/A
3**	2433.250	94.91	-11.22	54.0	-40.91	AV	149.00	150	Horizontal	N/A
4	2698.750	50.87	-9.58	74.0	23.13	Peak	249.00	150	Horizontal	Pass
4**	2698.750	44.43	-9.58	54.0	9.57	AV	249.00	150	Horizontal	Pass
5	7340.500	55.99	3.22	74.0	18.01	Peak	338.00	150	Horizontal	Pass
5**	7340.500	45.21	3.22	54.0	8.79	AV	338.00	150	Horizontal	Pass
6	16391.500	53.38	1.91	74.0	20.62	Peak	279.00	150	Horizontal	Pass
6**	16391.500	42.80	1.91	54.0	11.20	AV	279.00	150	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1233.000	40.80	-15.04	74.0	33.20	Peak	162.00	150	Vertical	Pass
1**	1233.000	29.27	-15.04	54.0	24.73	AV	162.00	150	Vertical	Pass
2	2005.500	42.66	-13.00	74.0	31.34	Peak	17.00	150	Vertical	Pass
2**	2005.500	31.64	-13.00	54.0	22.36	AV	17.00	150	Vertical	Pass
3	2440.750	100.92	-11.38	74.0	-26.92	Peak	100.00	150	Vertical	N/A
3**	2440.750	93.08	-11.38	54.0	-39.08	AV	100.00	150	Vertical	N/A
4	2699.000	53.54	-9.57	74.0	20.46	Peak	173.00	150	Vertical	Pass
4**	2699.000	48.66	-9.57	54.0	5.34	AV	173.00	150	Vertical	Pass
5	7734.000	56.55	3.22	74.0	17.45	Peak	241.00	150	Vertical	Pass
5**	7734.000	45.56	3.22	54.0	8.44	AV	241.00	150	Vertical	Pass
6	14965.500	52.45	1.02	74.0	21.55	Peak	112.00	150	Vertical	Pass
6**	14965.500	41.60	1.02	54.0	12.40	AV	112.00	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.

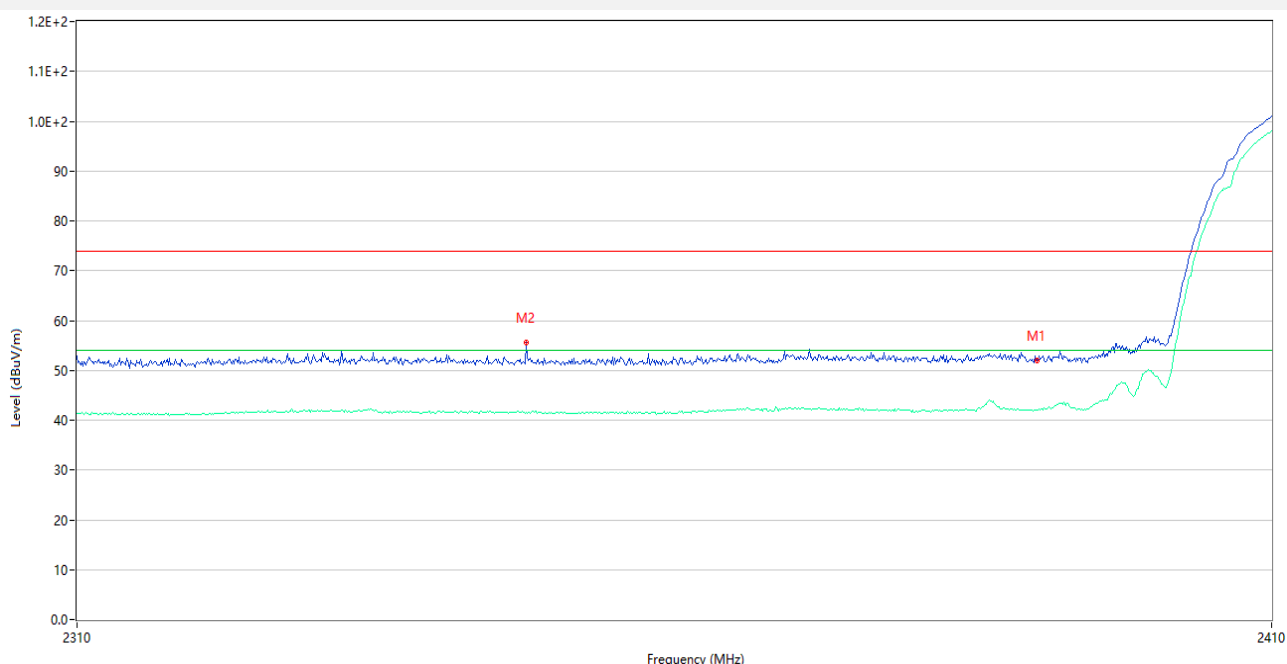
Note 3: According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

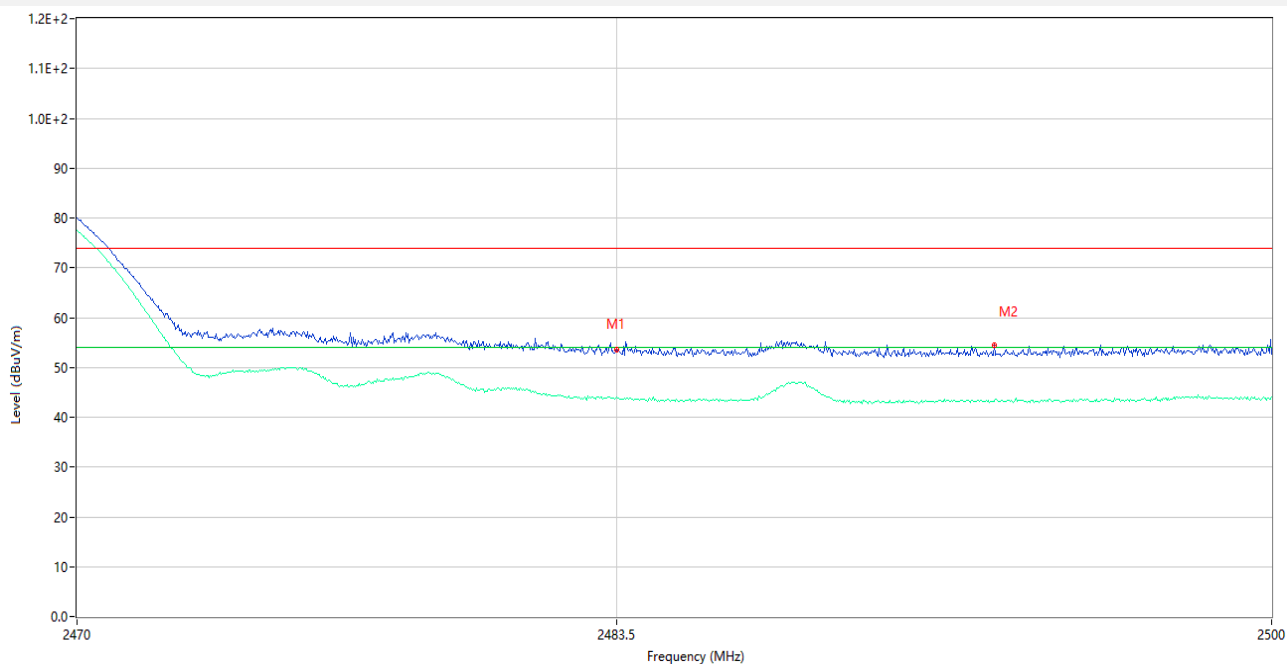
Test Data and Plots

802.11b LOW CHANNEL



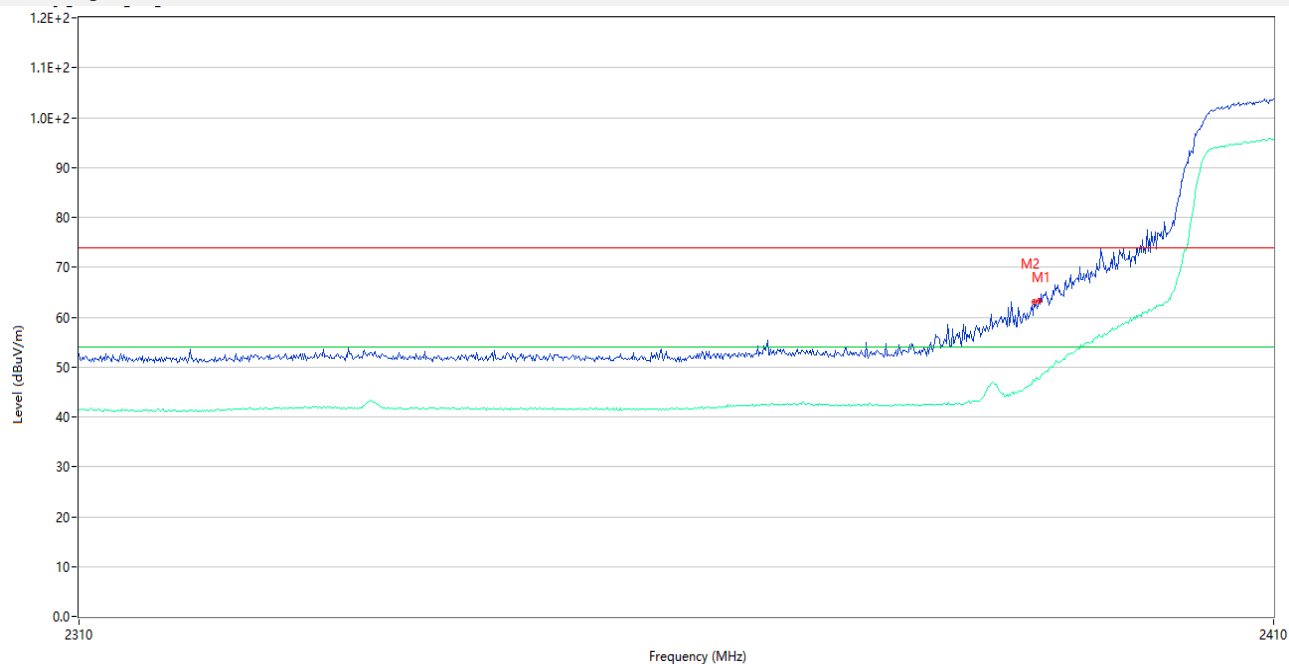
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	51.88	-3.73	74.0	22.12	Peak	167.10	150	Horizontal	Pass
1**	2390.000	41.97	-3.73	54.0	12.03	AV	167.10	150	Horizontal	Pass
2	2347.100	55.53	-3.72	74.0	18.47	Peak	5.00	150	Horizontal	Pass
2**	2347.100	41.53	-3.72	54.0	12.47	AV	5.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



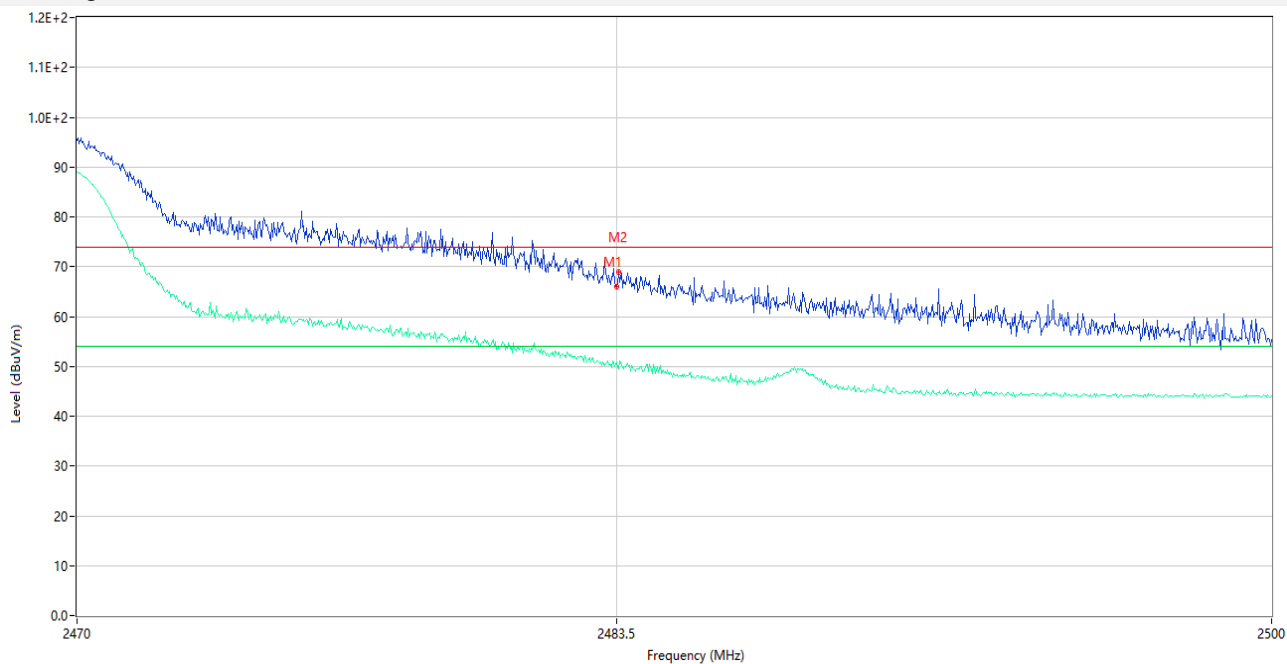
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.60	-2.60	74.0	20.40	Peak	163.00	150	Horizontal	Pass
1**	2483.500	44.01	-2.60	54.0	9.99	AV	163.00	150	Horizontal	Pass
2	2493.010	54.52	-2.76	74.0	19.48	Peak	167.00	150	Horizontal	Pass
2**	2493.010	43.18	-2.76	54.0	10.82	AV	167.00	150	Horizontal	Pass

802.11g LOW CHANNEL



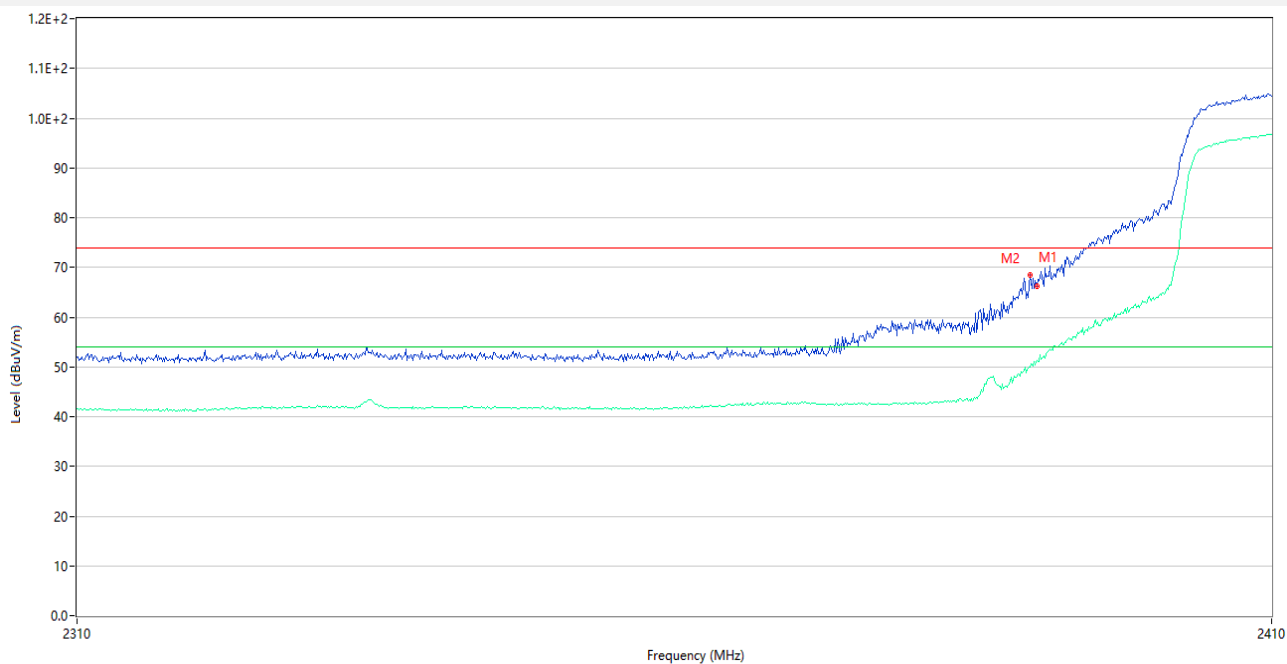
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	63.26	-3.73	74.0	10.74	Peak	150.85	150	Horizontal	Pass
1**	2390.000	47.54	-3.73	54.0	6.46	AV	150.85	150	Horizontal	Pass
2	2389.600	63.02	-3.71	74.0	10.98	Peak	144.00	150	Horizontal	Pass
2**	2389.600	47.15	-3.71	54.0	6.85	AV	144.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



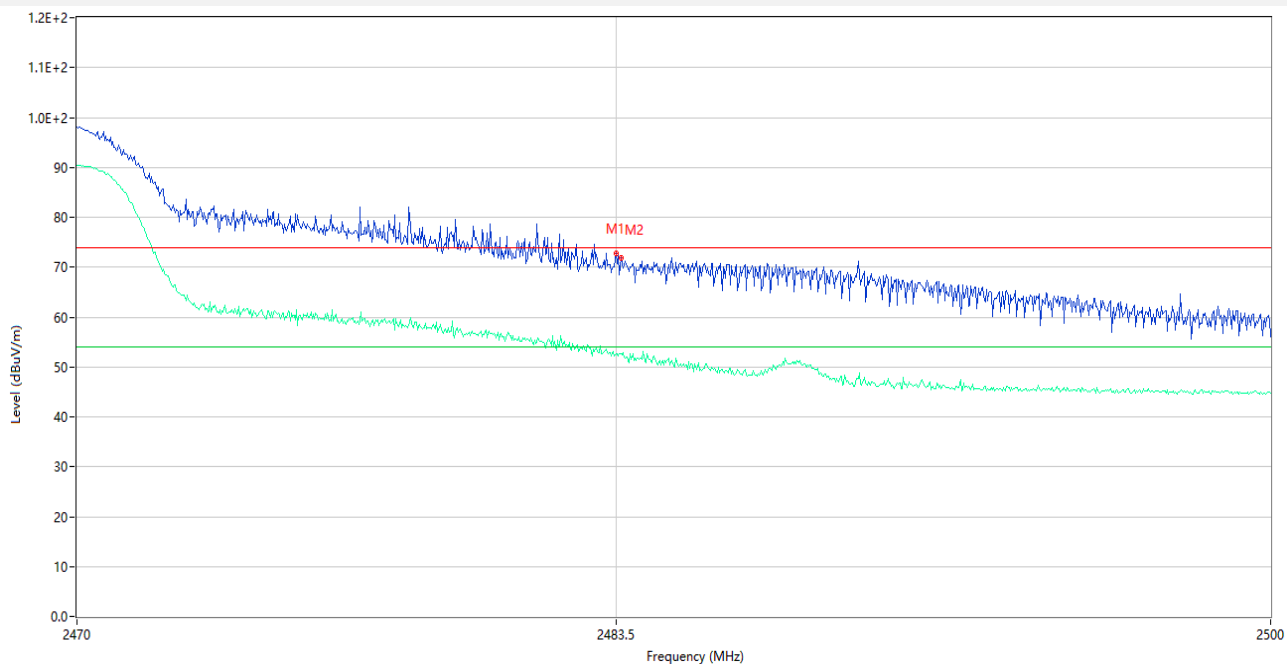
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	66.02	-2.60	74.0	7.98	Peak	31.00	150	Horizontal	Pass
1**	2483.500	50.79	-2.60	54.0	3.21	AV	31.00	150	Horizontal	Pass
2	2483.560	68.84	-2.60	74.0	5.16	Peak	146.00	150	Horizontal	Pass
2**	2483.560	49.46	-2.60	54.0	4.54	AV	146.00	150	Horizontal	Pass

802.11n20 LOW CHANNEL



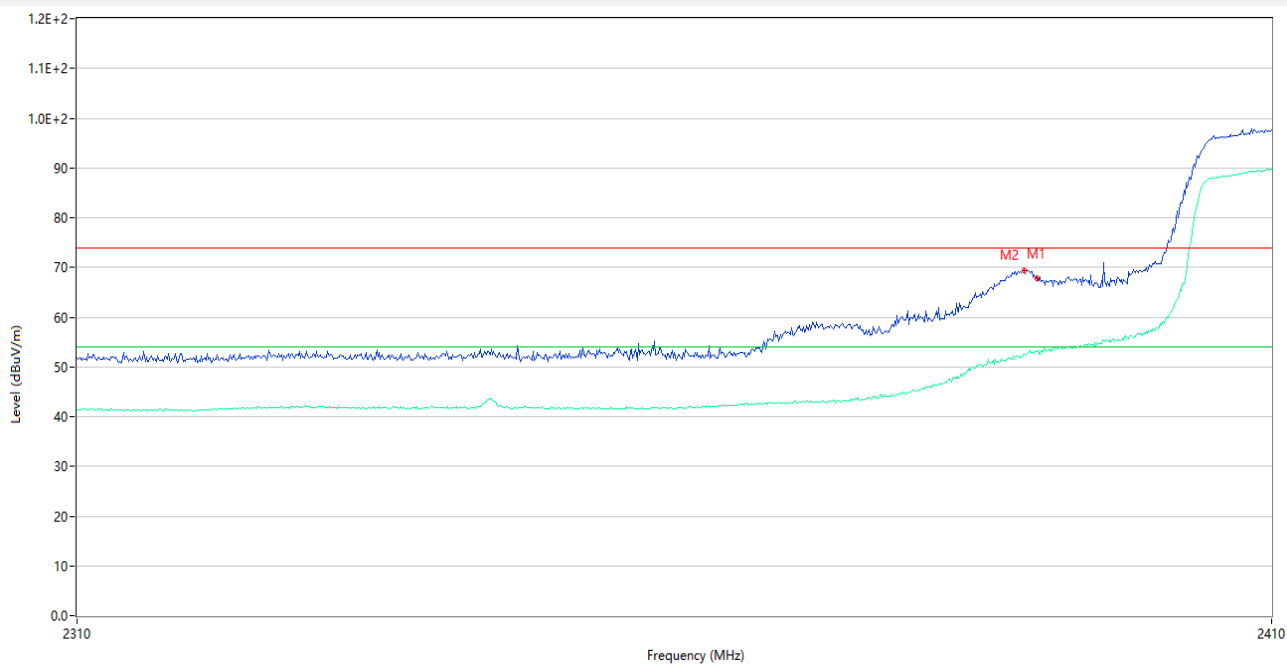
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	66.32	-3.73	74.0	7.68	Peak	360.00	150	Horizontal	Pass
1**	2390.000	50.54	-3.73	54.0	3.46	AV	360.00	150	Horizontal	Pass
2	2389.400	68.42	-3.70	74.0	5.58	Peak	142.00	150	Horizontal	Pass
2**	2389.400	49.91	-3.70	54.0	4.09	AV	142.00	150	Horizontal	Pass

802.11n20 HIGH CHANNEL



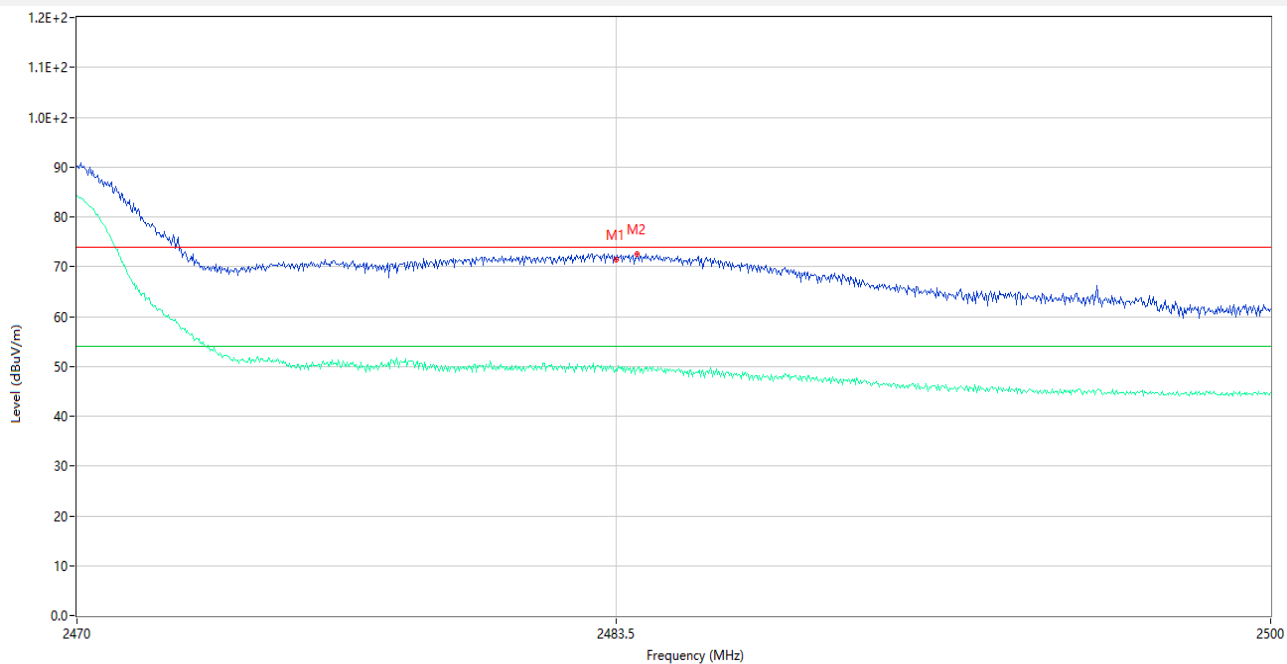
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	72.66	-2.60	74.0	1.34	Peak	147.00	150	Horizontal	Pass
1**	2483.500	52.66	-2.60	54.0	1.34	AV	147.00	150	Horizontal	Pass
2	2483.620	71.88	-2.60	74.0	2.12	Peak	170.00	150	Horizontal	Pass
2**	2483.620	52.63	-2.60	54.0	1.37	AV	170.00	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	67.81	-3.73	74.0	6.19	Peak	160.98	150	Horizontal	Pass
1**	2390.000	52.99	-3.73	54.0	1.01	AV	160.98	150	Horizontal	Pass
2	2388.900	69.48	-3.67	74.0	4.52	Peak	145.00	150	Horizontal	Pass
2**	2388.900	52.63	-3.67	54.0	1.37	AV	145.00	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	71.50	-2.60	74.0	2.50	Peak	163.00	150	Horizontal	Pass
1**	2483.500	49.41	-2.60	54.0	4.59	AV	163.00	150	Horizontal	Pass
2	2484.040	72.50	-2.61	74.0	1.50	Peak	166.00	150	Horizontal	Pass
2**	2484.040	49.50	-2.61	54.0	4.50	AV	166.00	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	-6.98	8
Middle	-6.80	8
High	-7.84	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.89	8
Middle	-8.21	8
High	-12.01	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.42	8
Middle	-8.07	8
High	-12.00	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.58	8
Middle	-11.88	8
High	-18.30	8

Test Plots

802.11b LOW CHANNEL



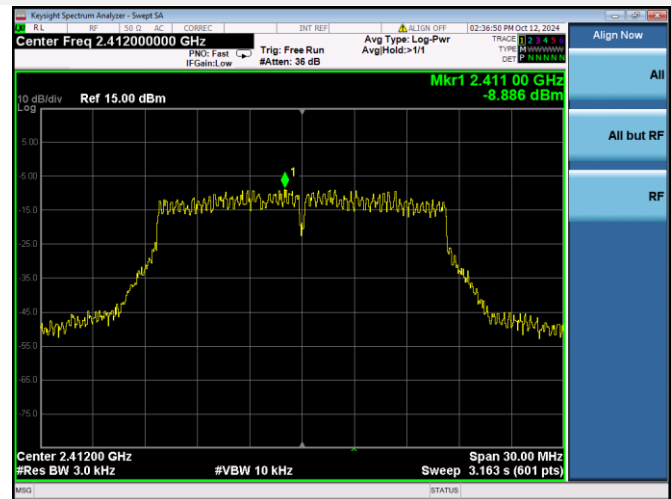
802.11b MIDDLE CHANNEL



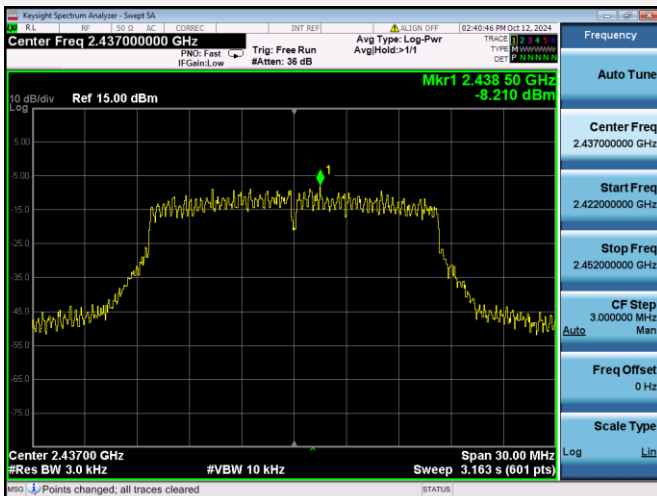
802.11b HIGH CHANNEL



802.11g LOW CHANNEL



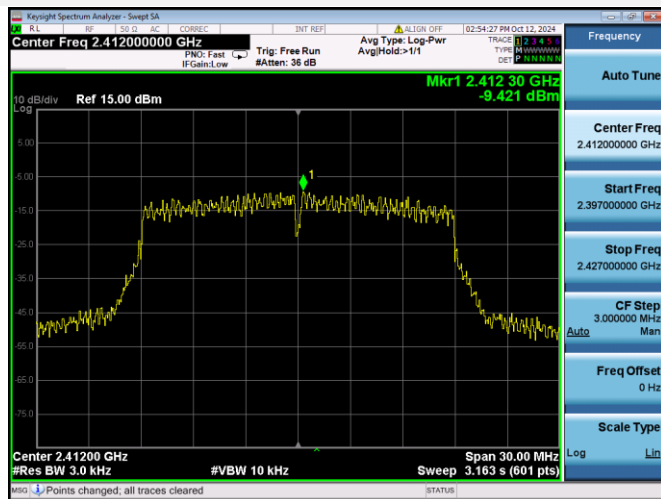
802.11g MIDDLE CHANNEL



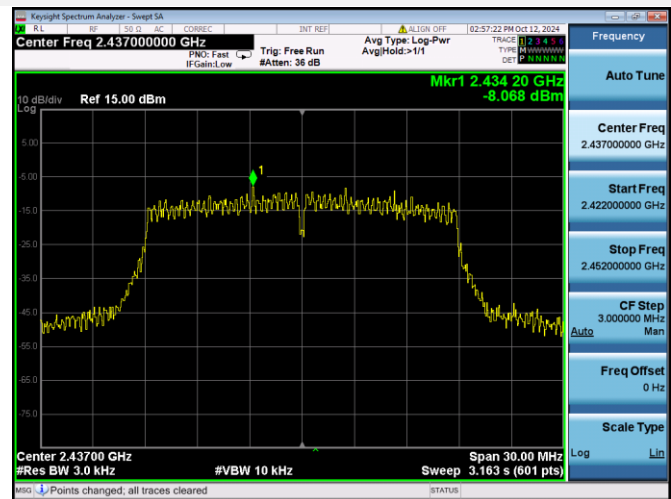
802.11g HIGH CHANNEL



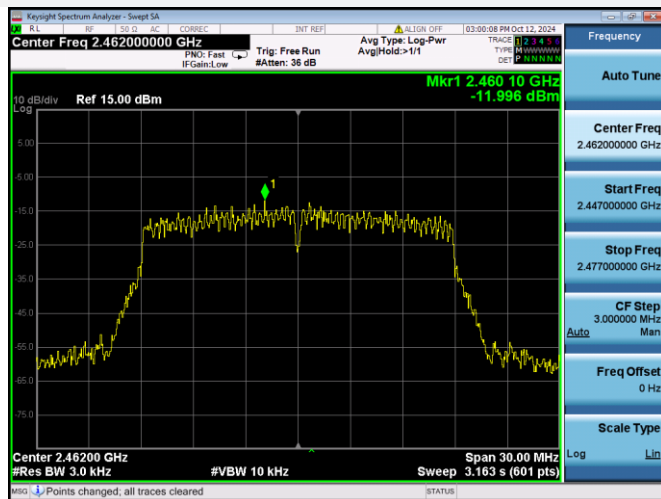
802.11n-20 MHz LOW CHANNEL



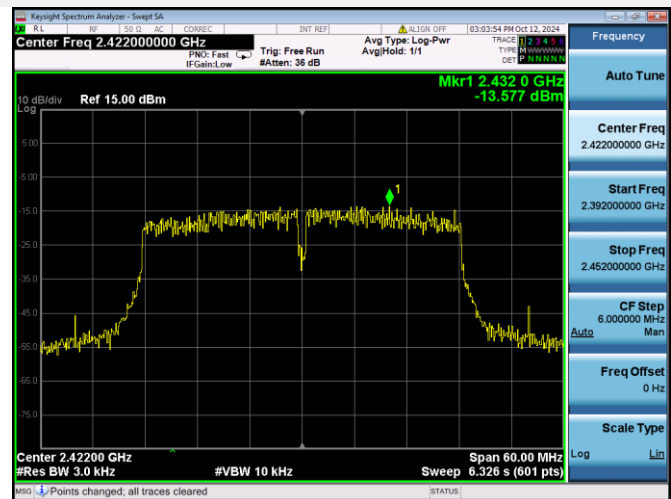
802.11 n-20 MHz MIDDLE CHANNEL



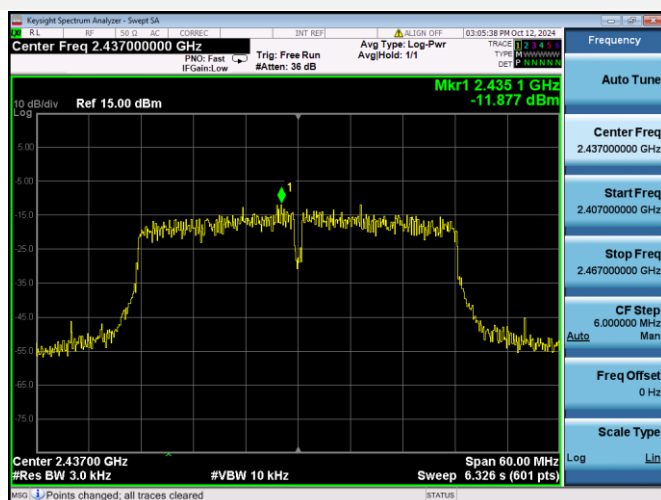
802.11n-20 MHz HIGH CHANNEL



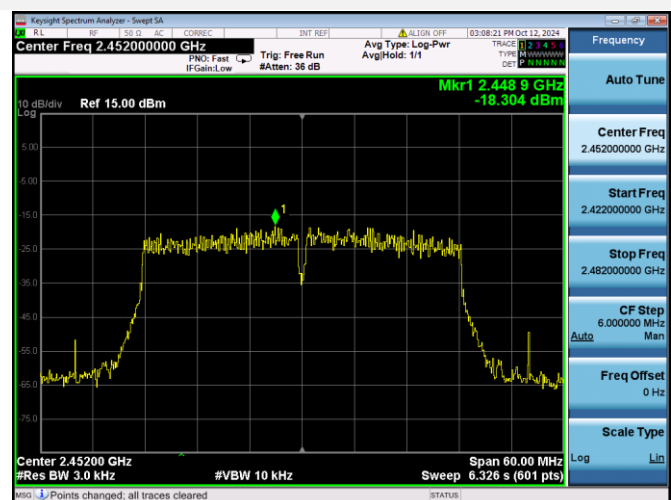
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH2490661-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2490661-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH2490661-AI.PDF”.

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--END OF REPORT--