

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

Note¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

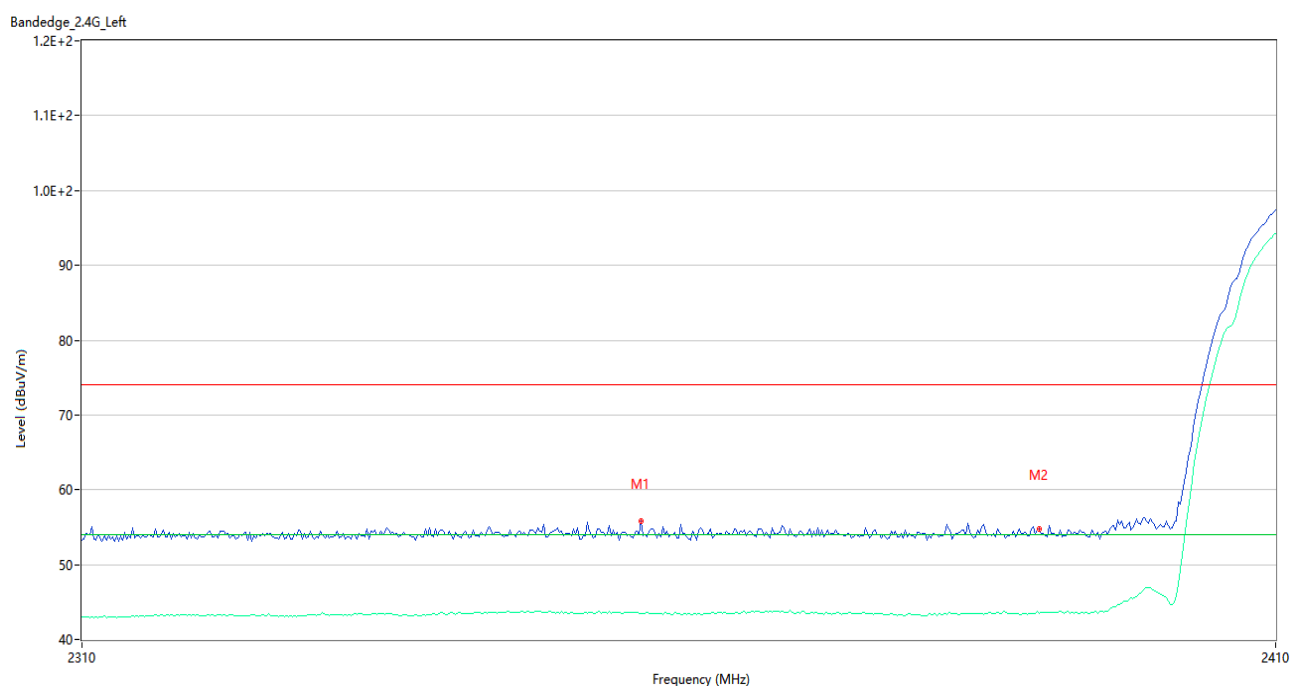
Note²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note³: 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.

Note⁴: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

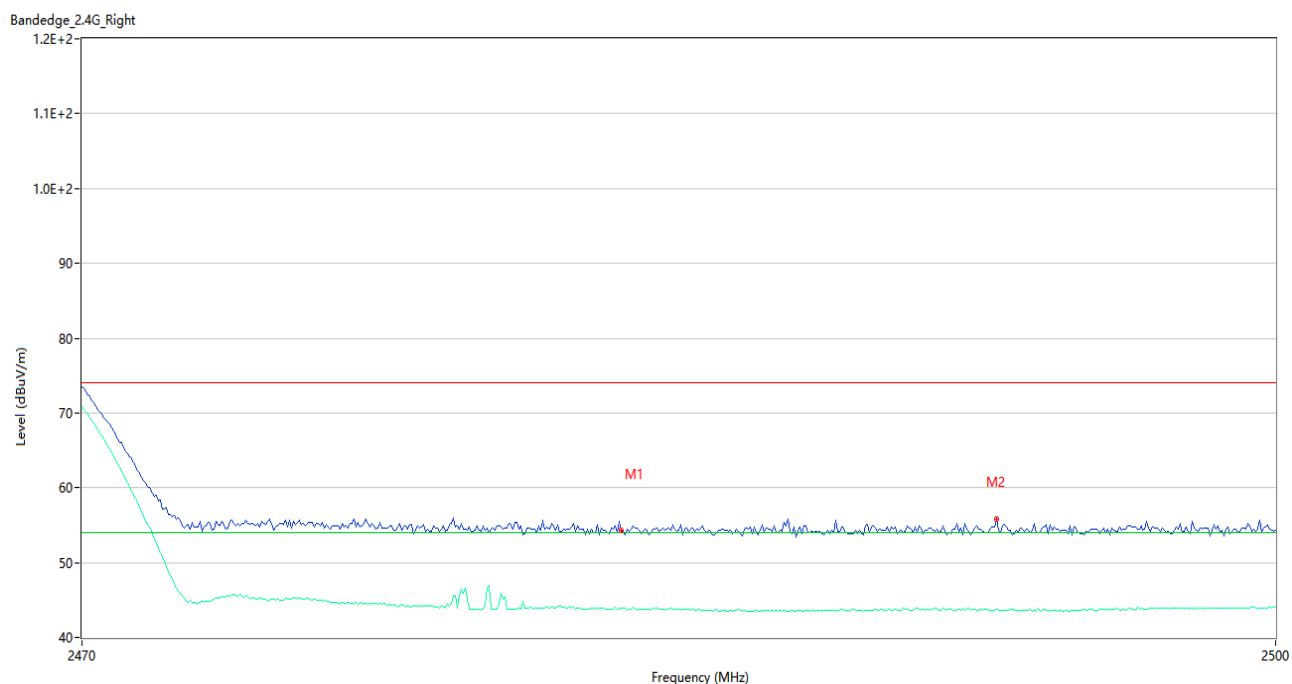
Test Data and Plots

802.11b LOW CHANNEL



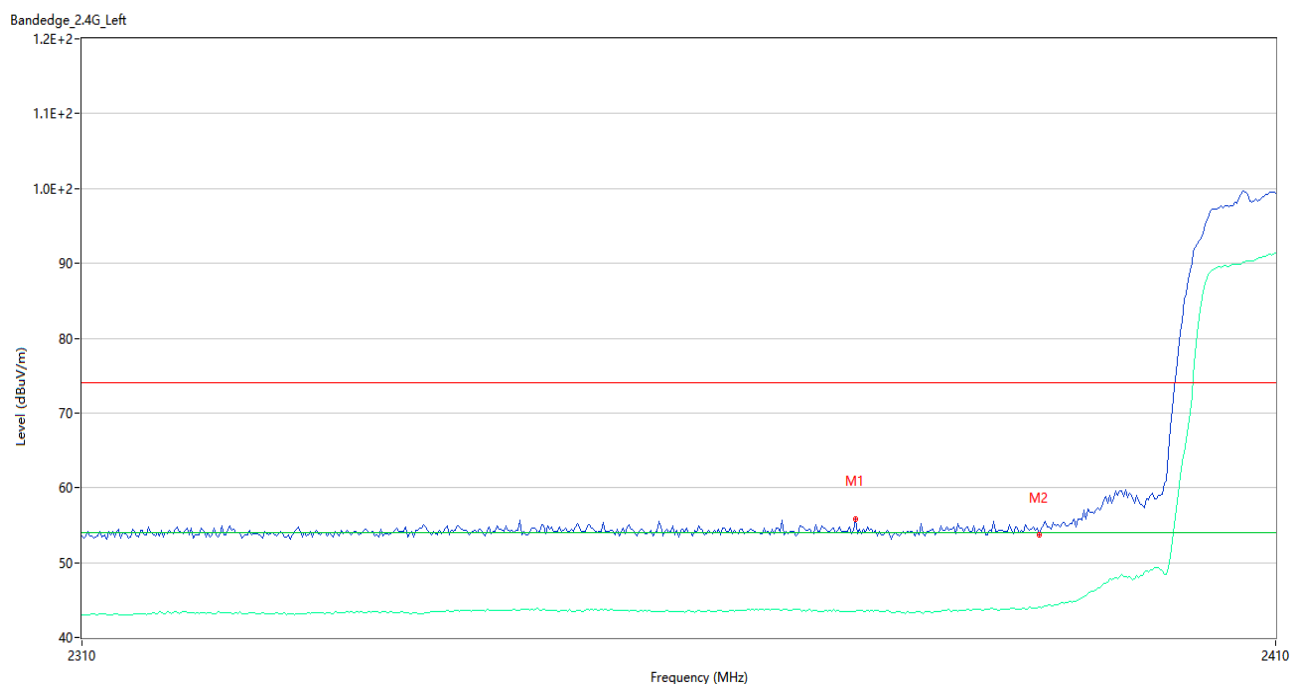
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2356.333	55.82	74.0	18.18	Peak	284.00	100	Horizontal	Pass
1**	2356.333	43.46	54.0	10.54	AV	284.00	100	Horizontal	Pass
2	2389.833	54.71	74.0	19.29	Peak	137.00	150	Horizontal	Pass
2**	2389.833	43.45	54.0	10.55	AV	137.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



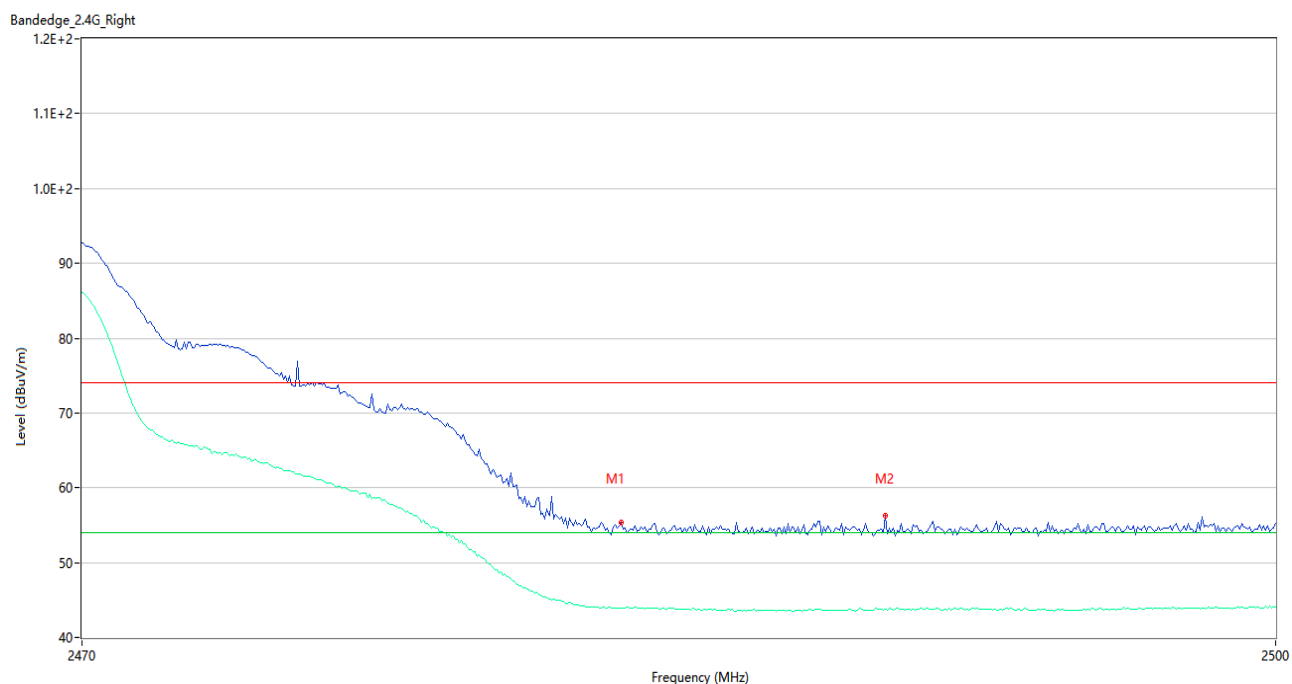
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.39	74.0	19.61	Peak	102.00	200	Horizontal	Pass
1**	2483.500	43.85	54.0	10.15	AV	102.00	200	Horizontal	Pass
2	2492.950	55.86	74.0	18.14	Peak	262.00	200	Horizontal	Pass
2**	2492.950	43.80	54.0	10.20	AV	262.00	200	Horizontal	Pass

802.11g LOW CHANNEL



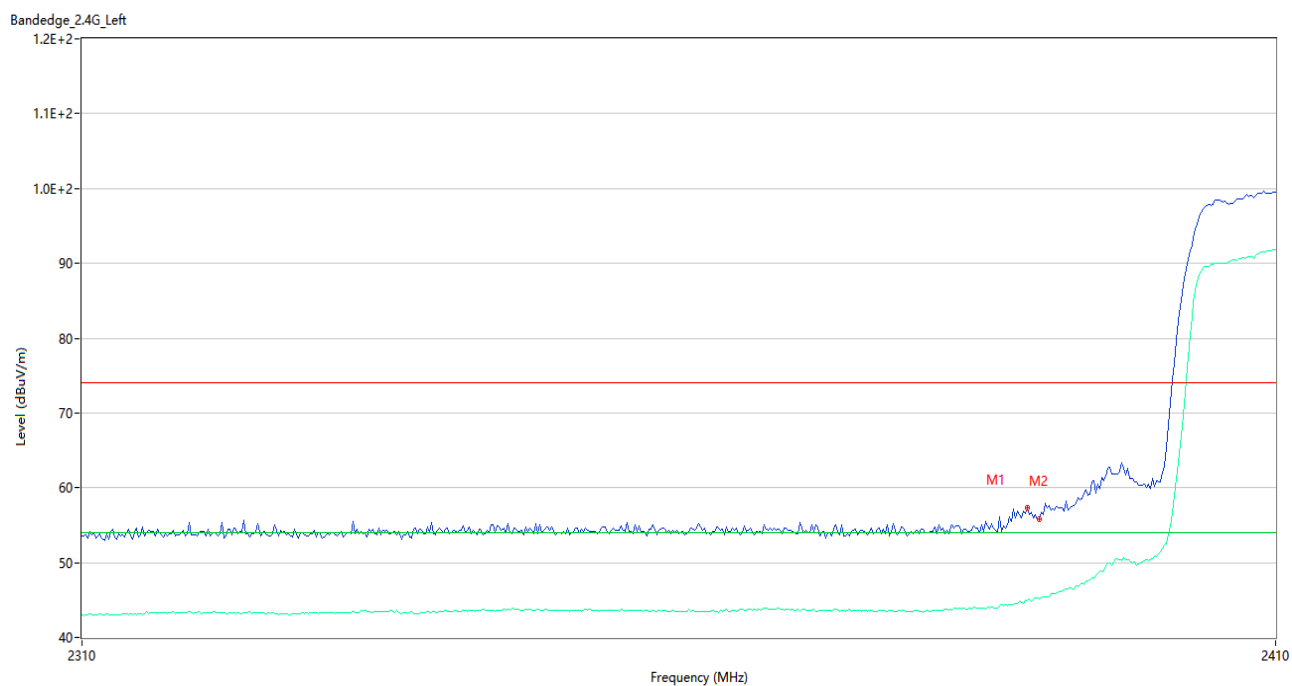
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2374.333	55.88	74.0	18.12	Peak	83.00	100	Horizontal	Pass
1**	2374.333	43.46	54.0	10.54	AV	83.00	100	Horizontal	Pass
2	2389.833	53.75	74.0	20.25	Peak	2.00	150	Horizontal	Pass
2**	2389.833	44.13	54.0	9.87	AV	2.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



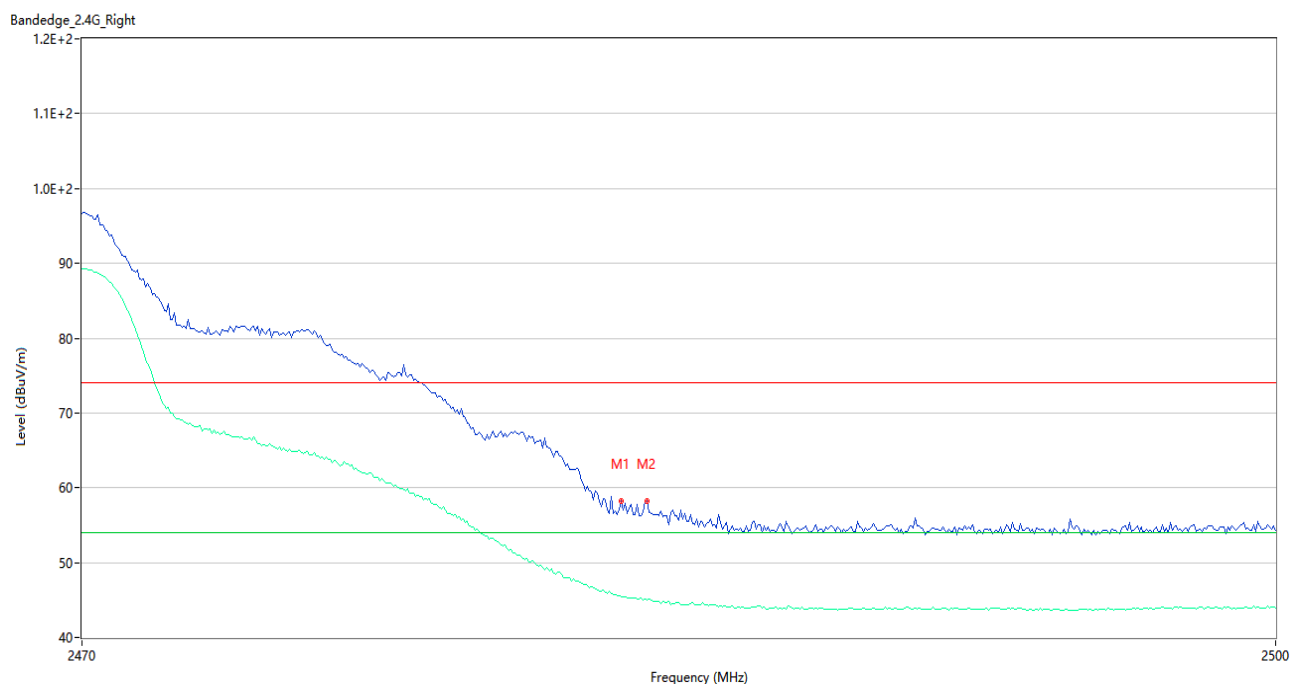
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.31	74.0	18.69	Peak	302.00	100	Horizontal	Pass
1**	2483.500	43.96	54.0	10.04	AV	302.00	100	Horizontal	Pass
2	2490.150	56.28	74.0	17.72	Peak	2.00	100	Horizontal	Pass
2**	2490.150	43.76	54.0	10.24	AV	2.00	100	Horizontal	Pass

802.11n20 LOW CHANNEL



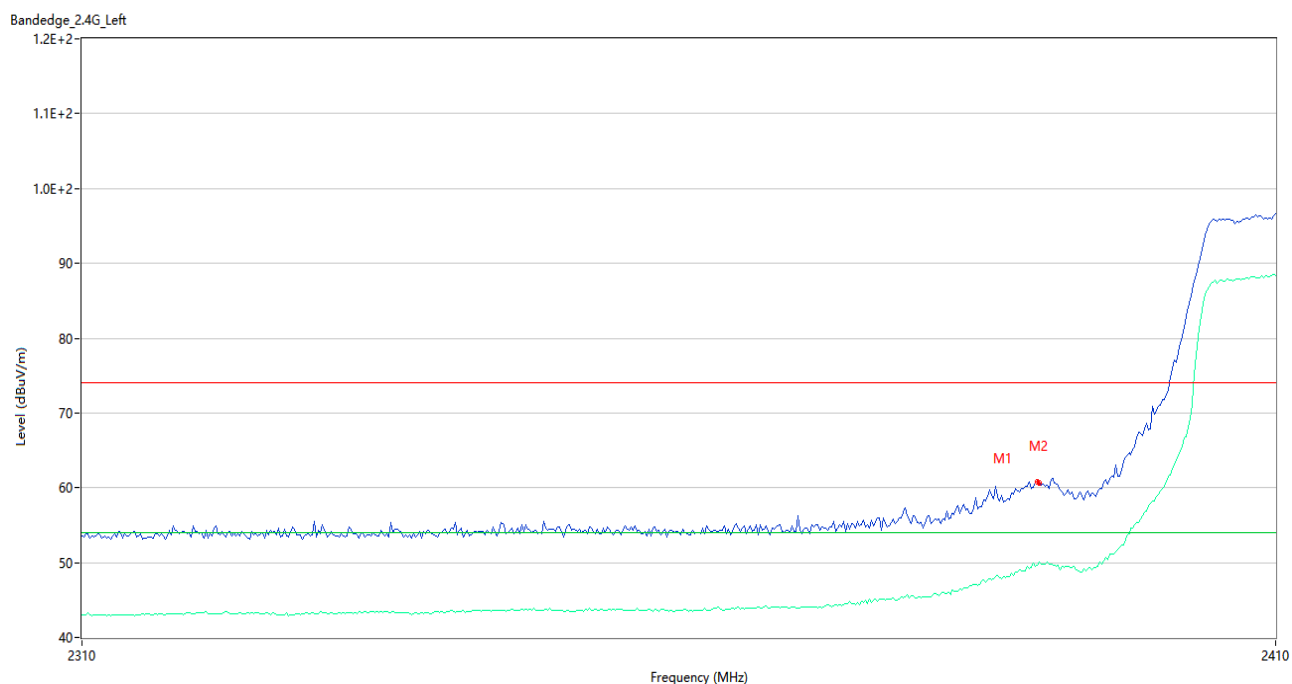
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.833	57.38	74.0	16.62	Peak	326.00	100	Horizontal	Pass
1**	2388.833	45.02	54.0	8.98	AV	326.00	100	Horizontal	Pass
2	2389.833	55.88	74.0	18.12	Peak	326.00	200	Horizontal	Pass
2**	2389.833	45.08	54.0	8.92	AV	326.00	200	Horizontal	Pass

802.11n20 HIGH CHANNEL



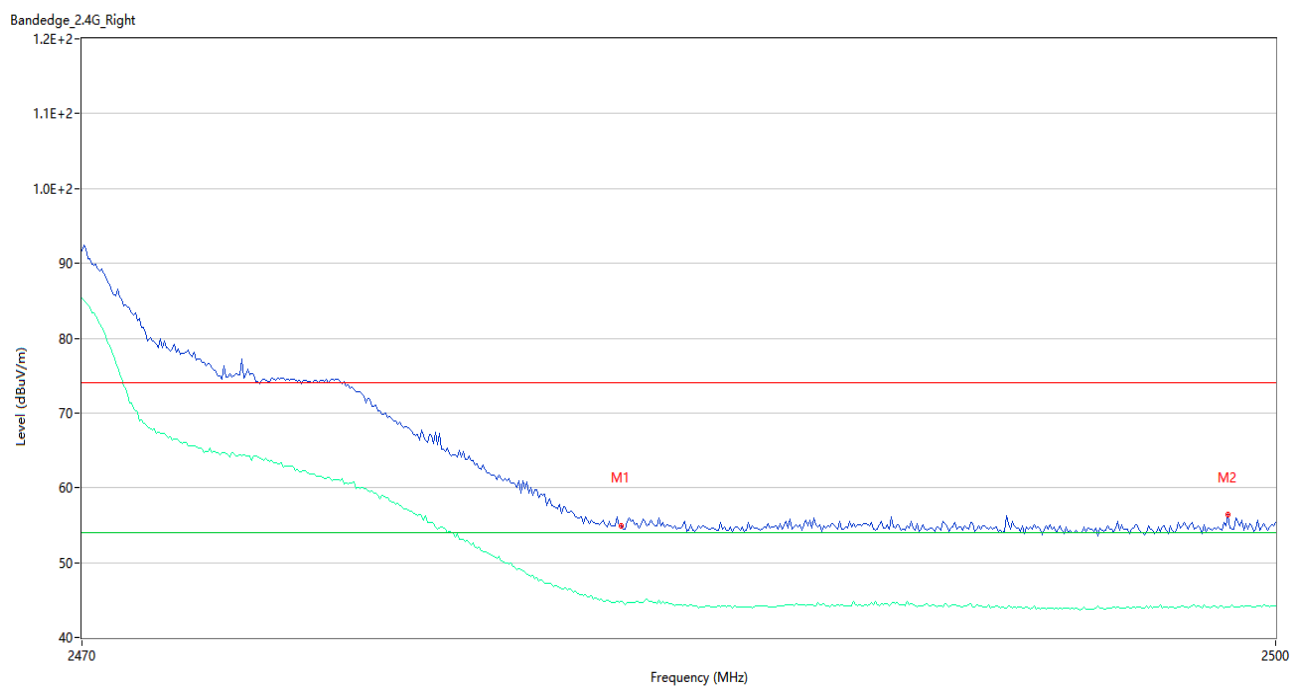
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	58.17	74.0	15.83	Peak	40.00	150	Horizontal	Pass
1**	2483.500	45.37	54.0	8.63	AV	40.00	150	Horizontal	Pass
2	2484.150	58.24	74.0	15.76	Peak	322.00	100	Horizontal	Pass
2**	2484.150	44.93	54.0	9.07	AV	322.00	100	Horizontal	Pass

802.11n40 LOW CHANNEL



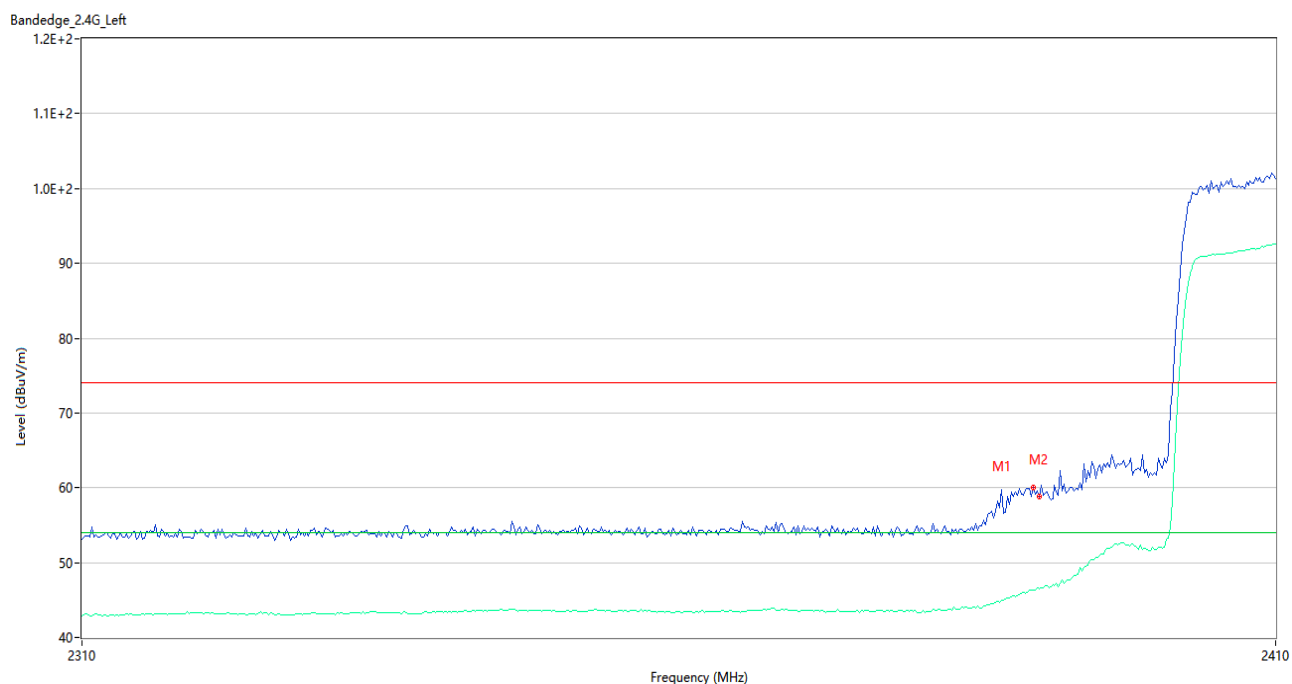
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.667	60.84	74.0	13.16	Peak	318.00	150	Horizontal	Pass
1**	2389.667	49.68	54.0	4.32	AV	318.00	150	Horizontal	Pass
2	2389.833	60.58	74.0	13.42	Peak	102.00	150	Horizontal	Pass
2**	2389.833	50.10	54.0	3.90	AV	102.00	150	Horizontal	Pass

802.11n40 HIGH CHANNEL



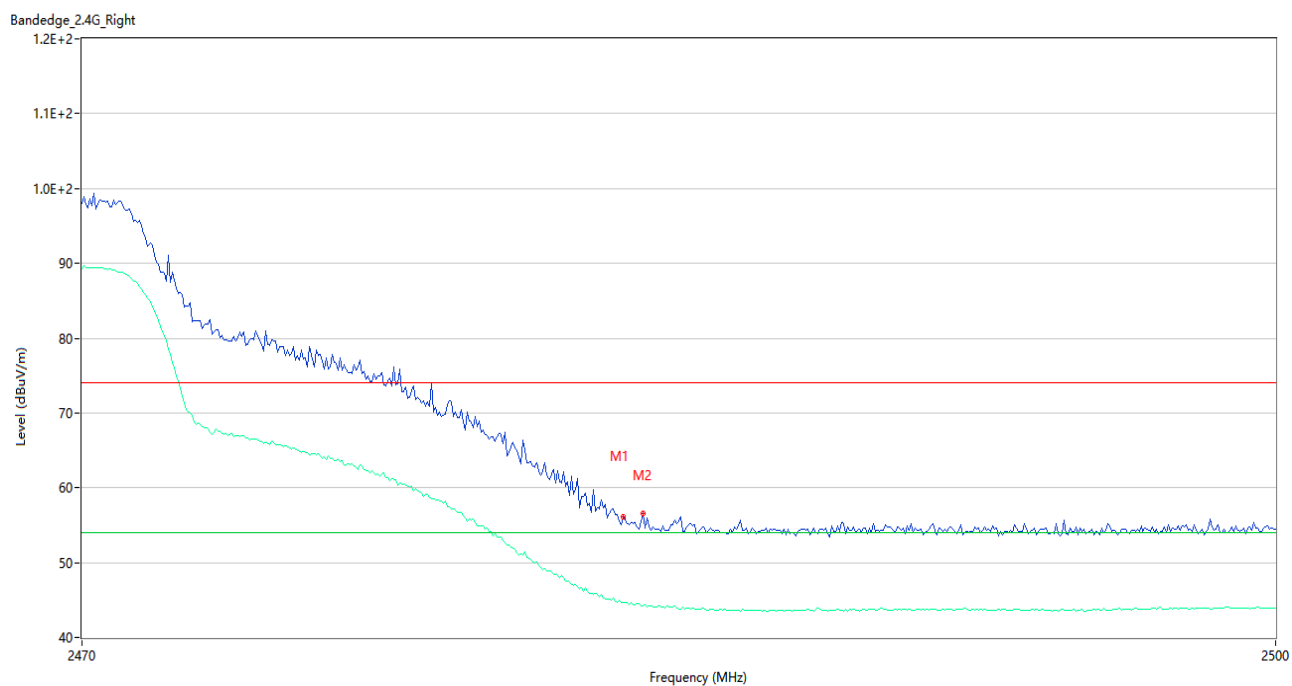
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.98	74.0	19.02	Peak	109.00	100	Horizontal	Pass
1**	2483.500	44.79	54.0	9.21	AV	109.00	100	Horizontal	Pass
2	2498.800	56.47	74.0	17.53	Peak	288.00	150	Horizontal	Pass
2**	2498.800	44.03	54.0	9.97	AV	288.00	150	Horizontal	Pass

802.11ax20(SU) LOW CHANNEL



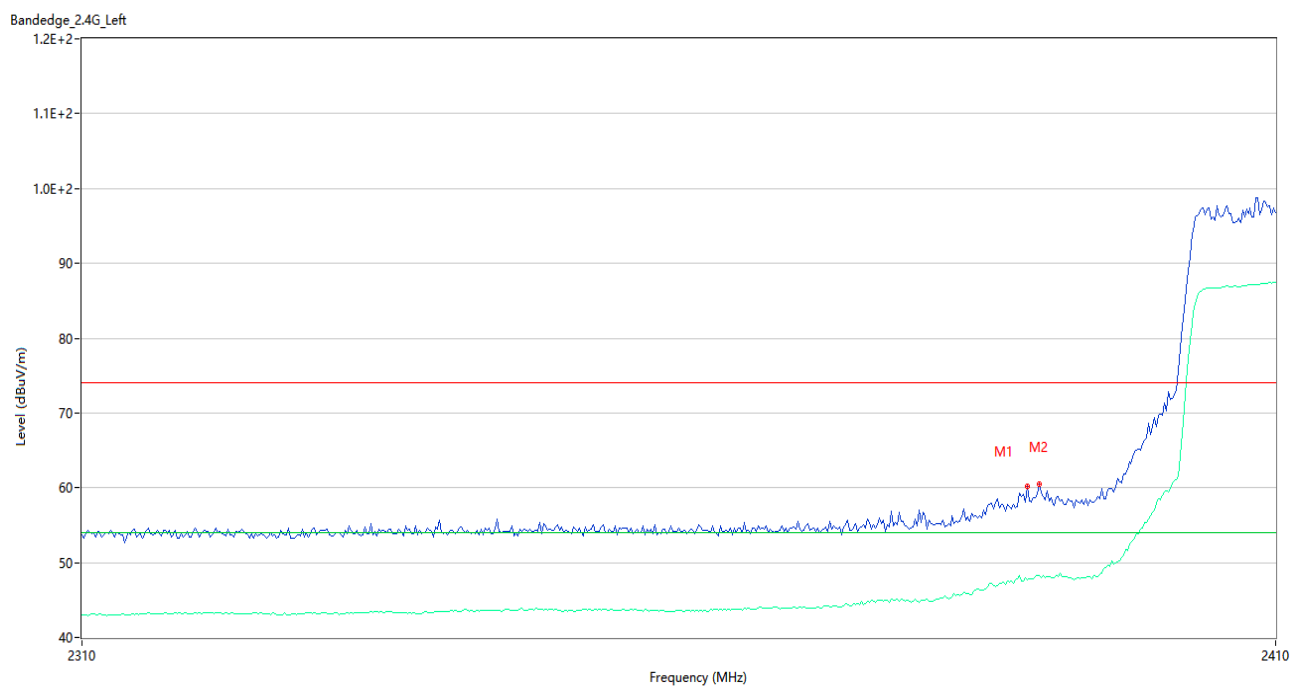
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.333	59.99	74.0	14.01	Peak	317.00	100	Horizontal	Pass
1**	2389.333	46.33	54.0	7.67	AV	317.00	100	Horizontal	Pass
2	2389.833	58.85	74.0	15.15	Peak	85.00	100	Horizontal	Pass
2**	2389.833	46.41	54.0	7.59	AV	85.00	100	Horizontal	Pass

802.11ax20(SU) HIGH CHANNEL



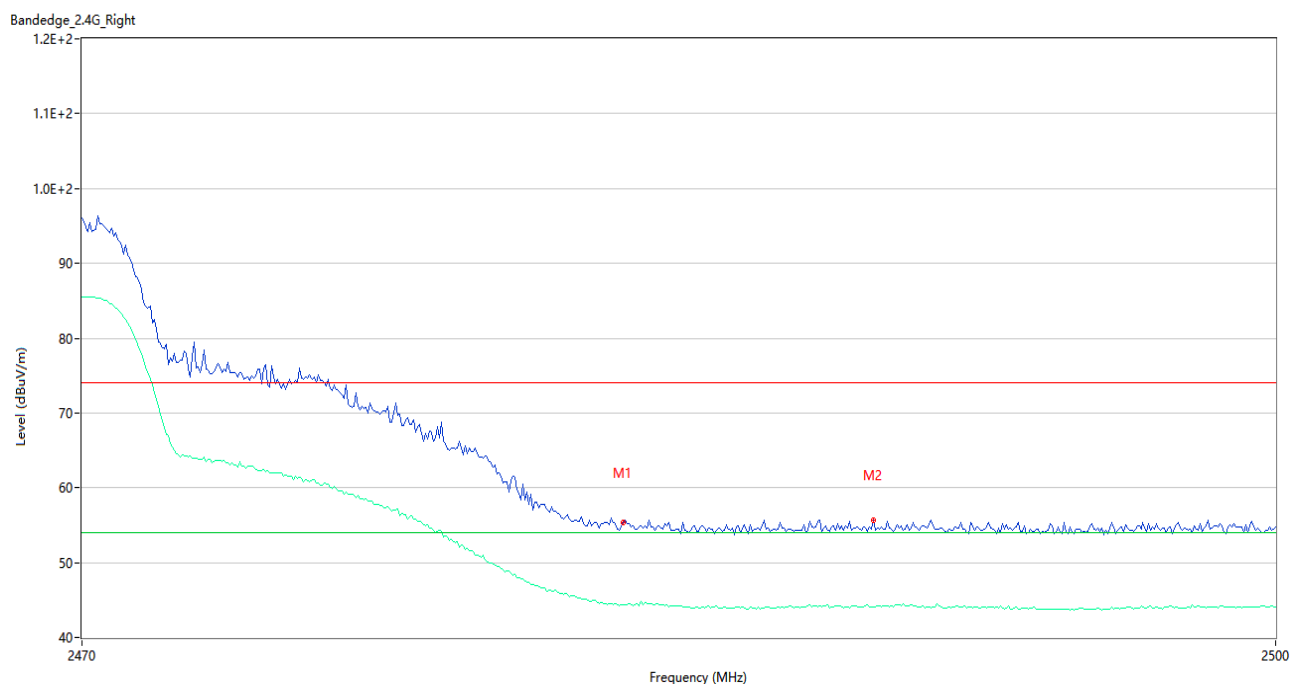
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	56.07	74.0	17.93	Peak	34.00	150	Horizontal	Pass
1**	2483.550	44.68	54.0	9.32	AV	34.00	150	Horizontal	Pass
2	2484.050	56.63	74.0	17.37	Peak	11.00	200	Horizontal	Pass
2**	2484.050	44.22	54.0	9.78	AV	11.00	200	Horizontal	Pass

802.11ax40(SU) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.833	60.17	74.0	13.83	Peak	310.00	100	Horizontal	Pass
1**	2388.833	47.70	54.0	6.30	AV	310.00	100	Horizontal	Pass
2	2389.833	60.51	74.0	13.49	Peak	320.00	150	Horizontal	Pass
2**	2389.833	48.35	54.0	5.65	AV	320.00	150	Horizontal	Pass

802.11ax40(SU) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	55.35	74.0	18.65	Peak	2.00	200	Horizontal	Pass
1**	2483.550	44.32	54.0	9.68	AV	2.00	200	Horizontal	Pass
2	2489.850	55.70	74.0	18.30	Peak	106.00	100	Horizontal	Pass
2**	2489.850	44.06	54.0	9.94	AV	106.00	100	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.17	8
Middle	-14.77	8
High	-12.18	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.23	8
Middle	-11.93	8
High	-10.66	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.87	8
Middle	-9.22	8
High	-9.90	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.92	8
Middle	-13.18	8
High	-12.45	8

802.11ax-20 MHz(SU) Mode:

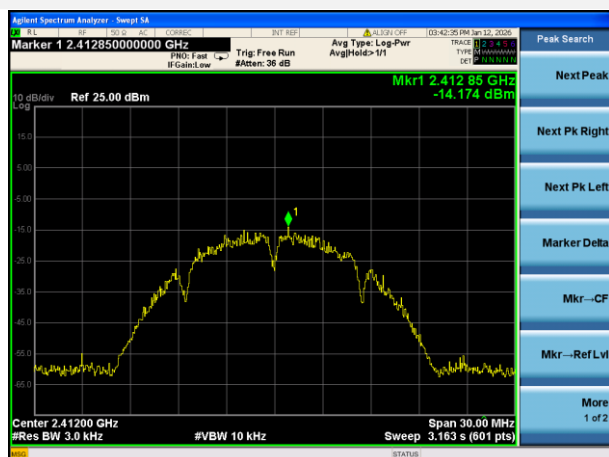
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.73	8
Middle	-10.73	8
High	-9.67	8

802.11ax-40 MHz(SU) Mode:

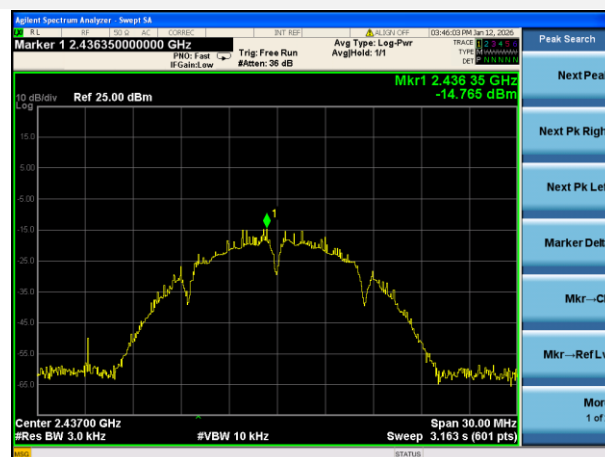
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.19	8
Middle	-12.59	8
High	-12.80	8

Test Plots

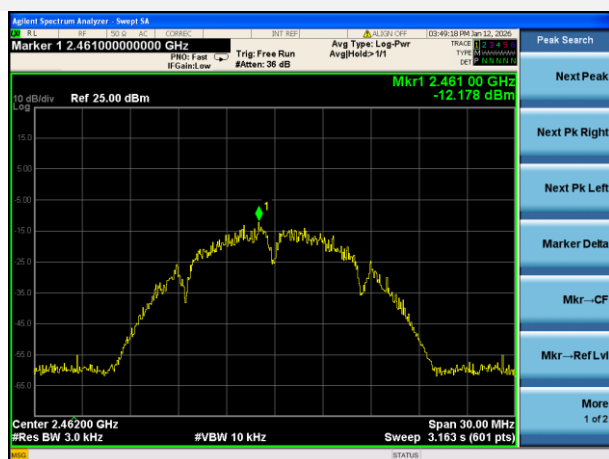
802.11b LOW CHANNEL



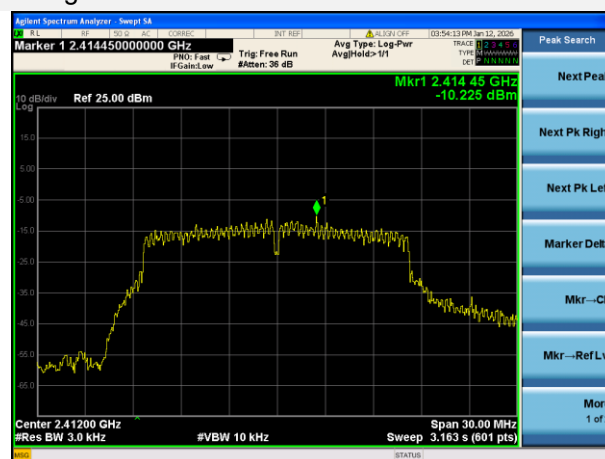
802.11b MIDDLE CHANNEL



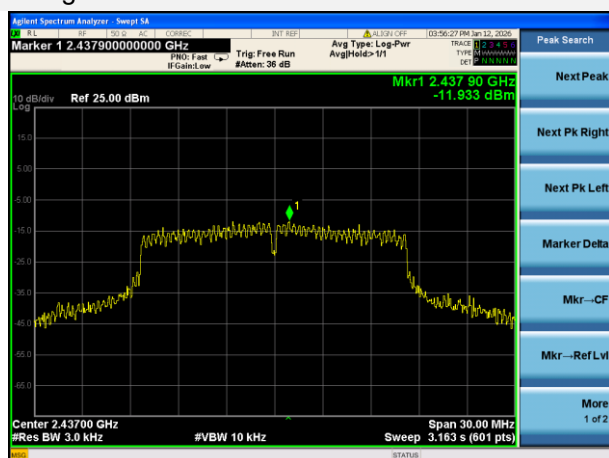
802.11b HIGH CHANNEL



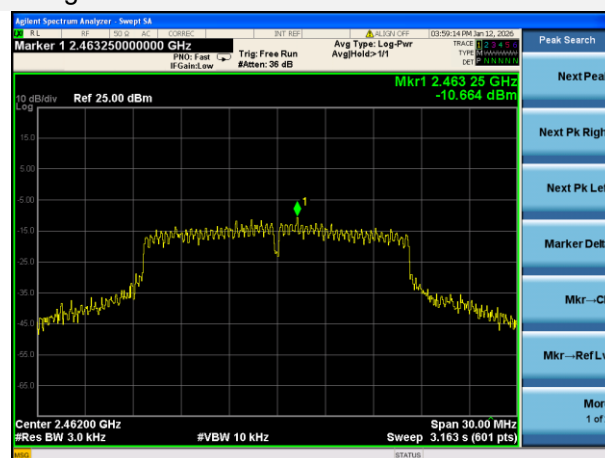
802.11g LOW CHANNEL



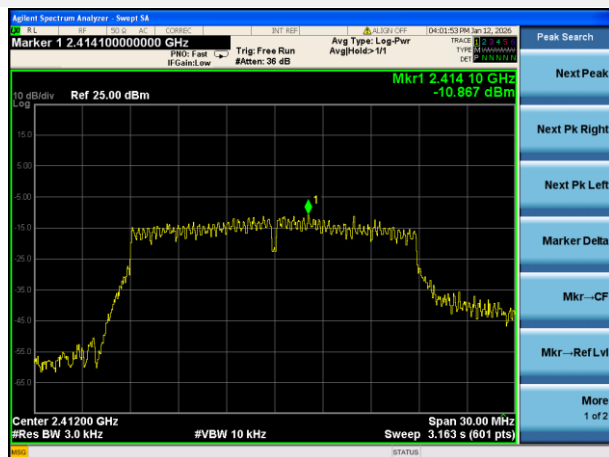
802.11g MIDDLE CHANNEL



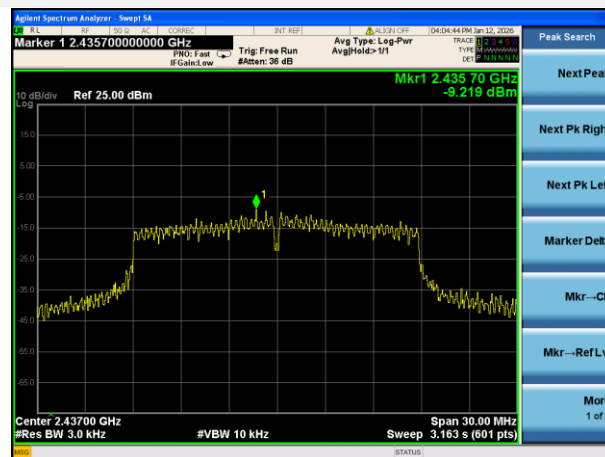
802.11g HIGH CHANNEL



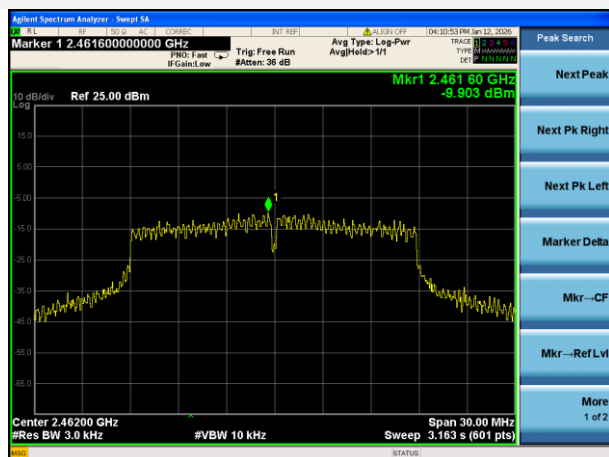
802.11n-20 MHz LOW CHANNEL



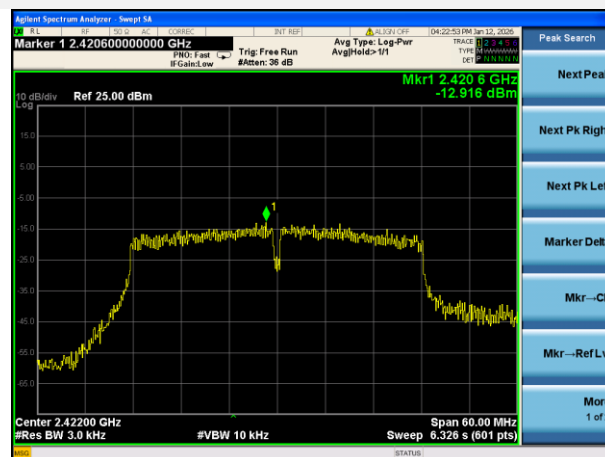
802.11n-20 MHz MIDDLE CHANNEL



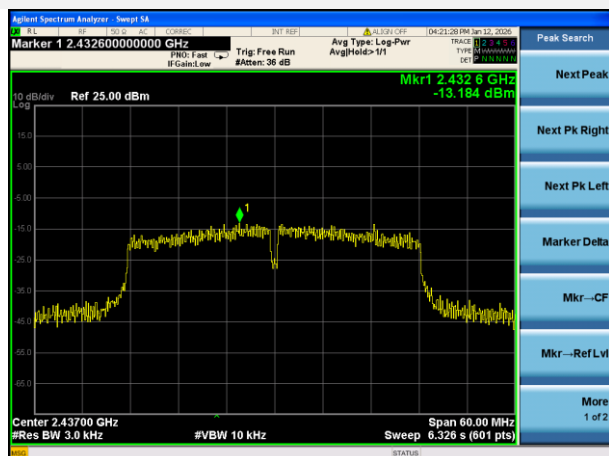
802.11n-20 MHz HIGH CHANNEL



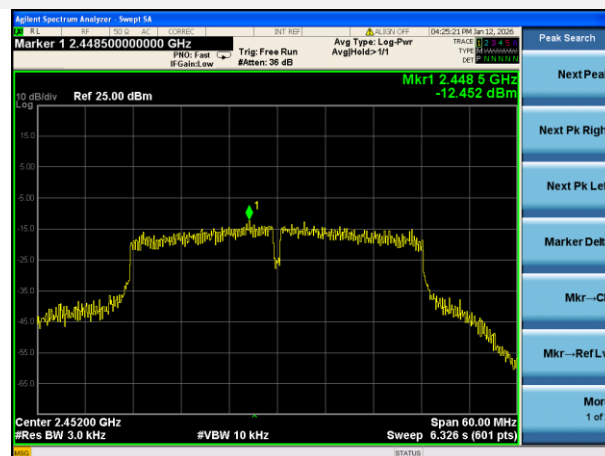
802.11n-40 MHz LOW CHANNEL



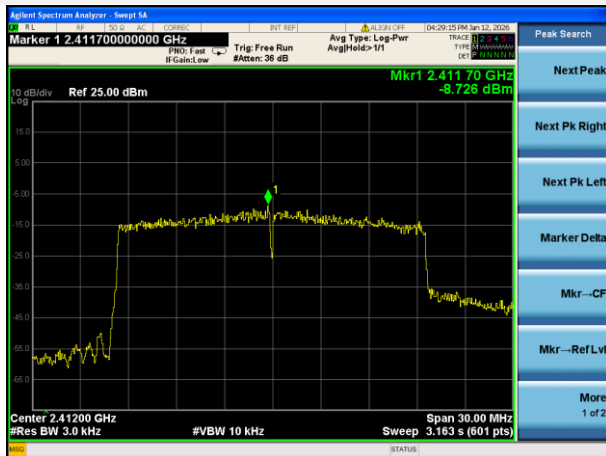
802.11n-40 MHz MIDDLE CHANNEL



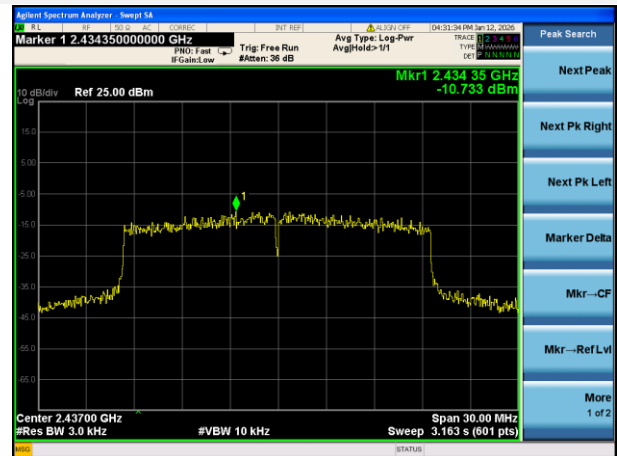
802.11n-40 MHz HIGH CHANNEL



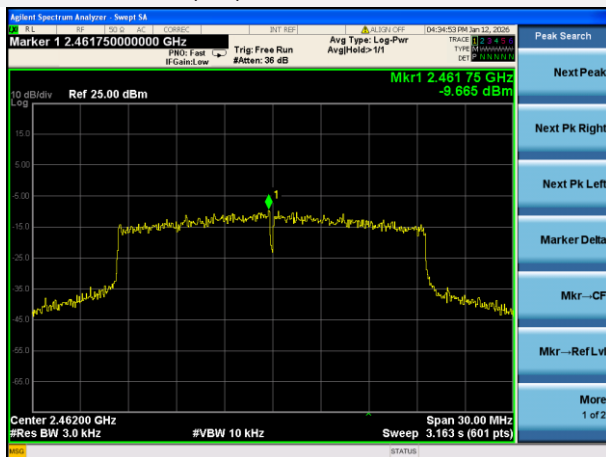
802.11ax-20 MHz(SU) LOW CHANNEL



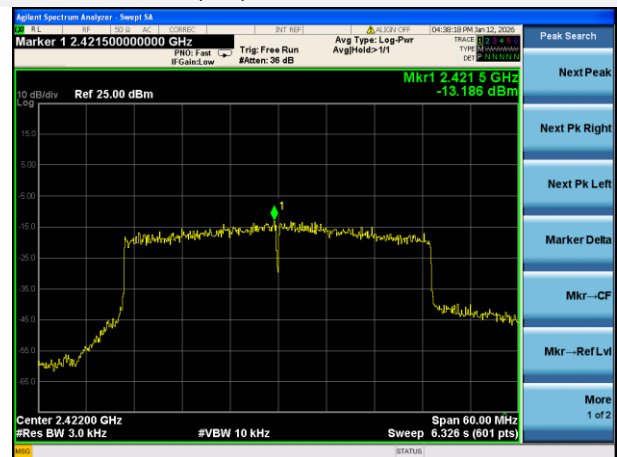
802.11ax-20 MHz(SU) MIDDLE CHANNEL



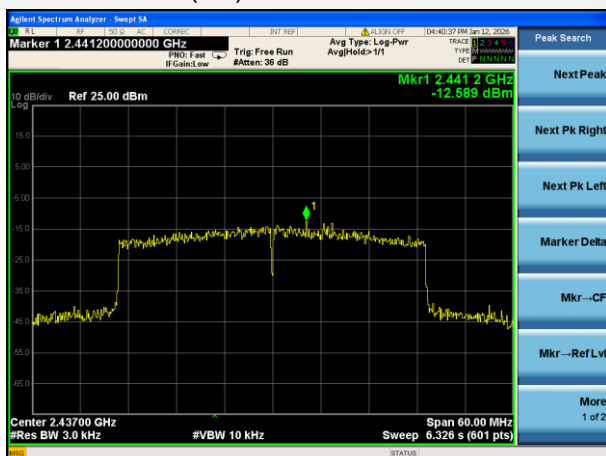
802.11ax-20 MHz(SU) HIGH CHANNEL



802.11ax-40 MHz(SU) LOW CHANNEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL



802.11ax-40 MHz(SU) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ25C1115-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ25C1115-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ25C1115-AI.PDF”.

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