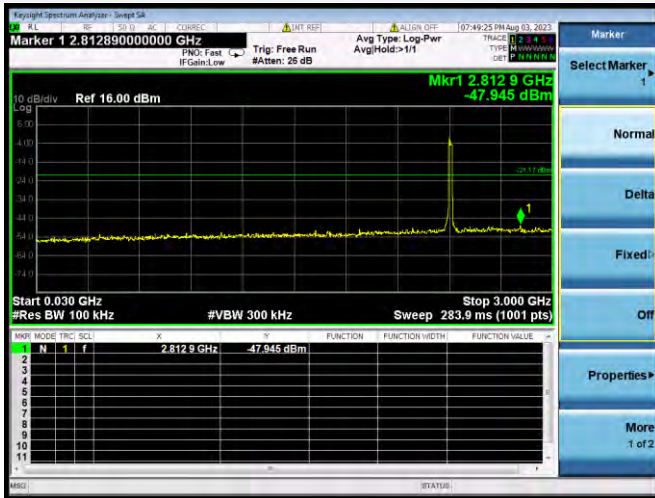
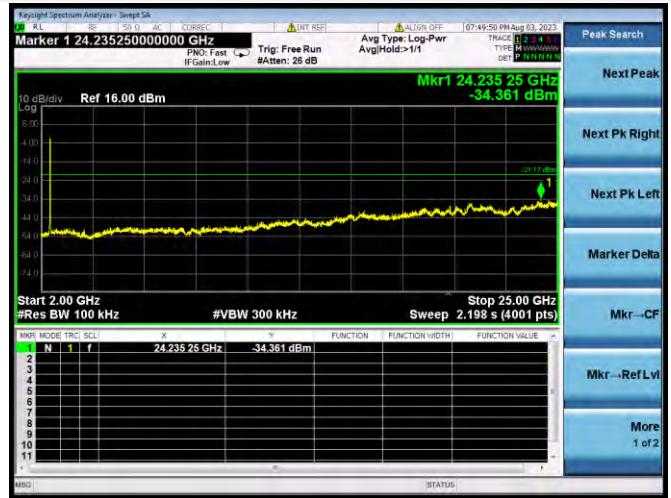


802.11n-20 MHz CHANNEL 1, SPURIOUS
30 MHz ~ 3 GHz



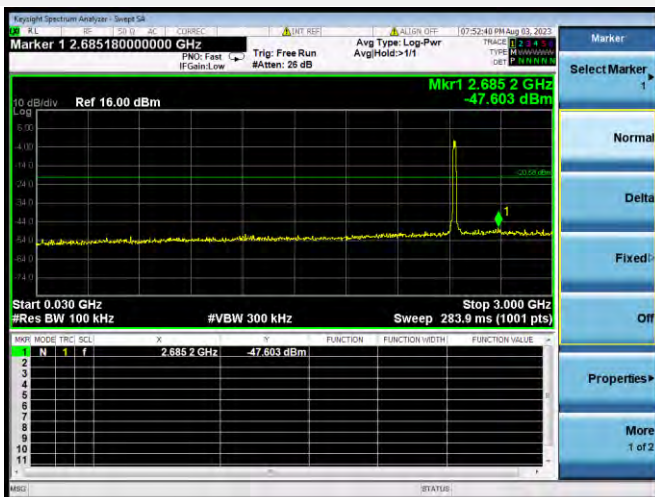
802.11n-20 MHz CHANNEL 1, SPURIOUS
2 GHz ~ 25 GHz



802.11n-20 MHz CHANNEL 6 CARRIER LEVEL



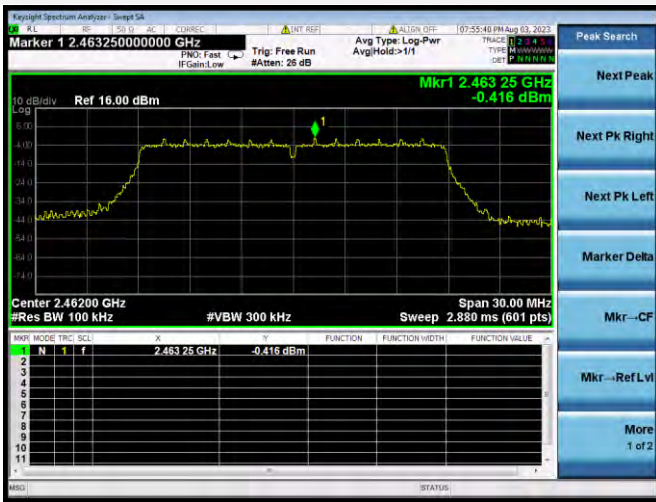
802.11n-20 MHz CHANNEL 6, SPURIOUS
30 MHz ~ 3 GHz



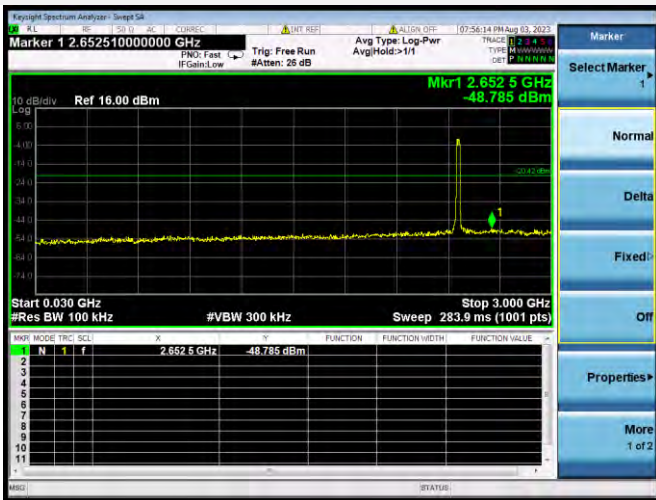
802.11n-20 MHz CHANNEL 6, SPURIOUS
2 GHz ~ 25 GHz



802.11n-20 MHz CHANNEL 11 CARRIER LEVEL



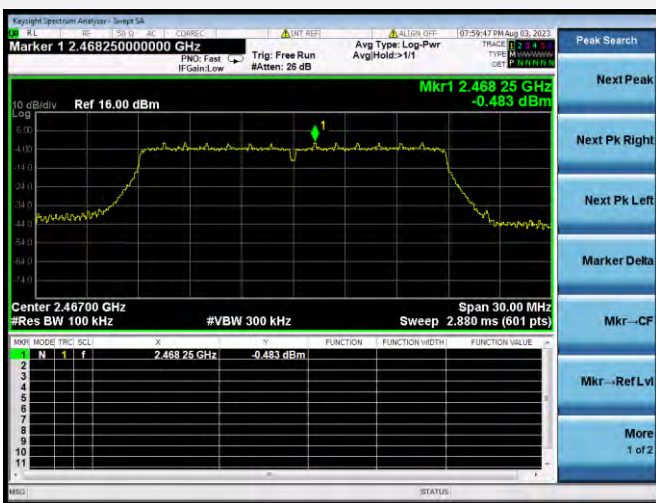
802.11n-20 MHz CHANNEL 11, SPURIOUS
30 MHz ~ 3 GHz



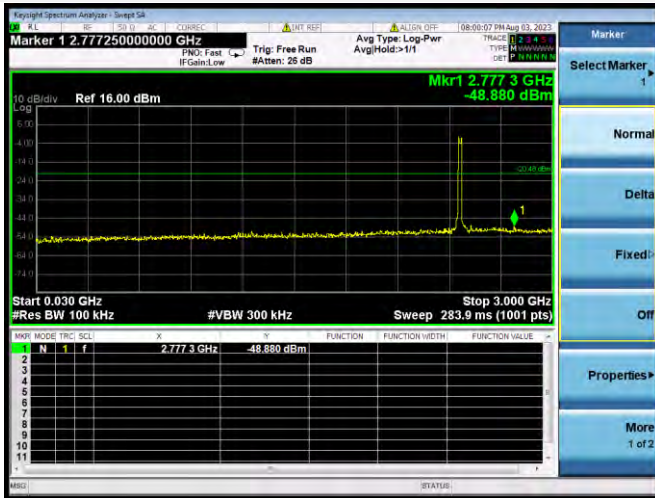
802.11n-20 MHz CHANNEL 11, SPURIOUS
2 GHz ~ 25 GHz



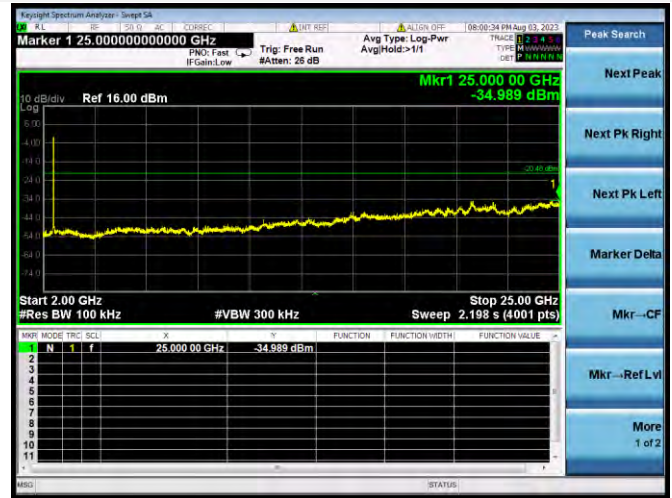
802.11n-20 MHz CHANNEL 12 CARRIER LEVEL



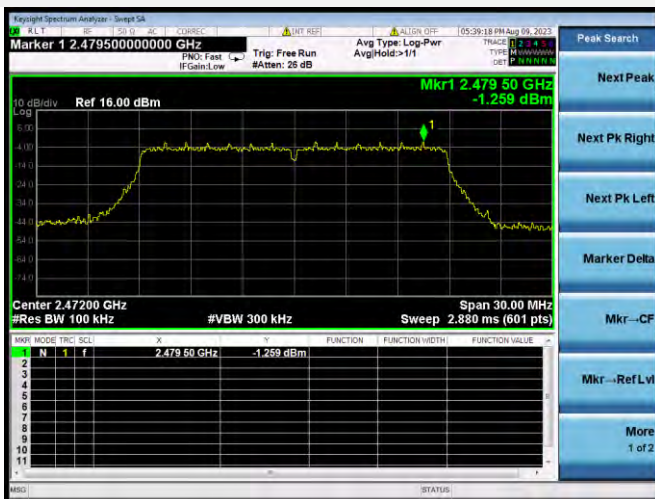
802.11n-20 MHz CHANNEL 12, SPURIOUS
30 MHz ~ 3 GHz



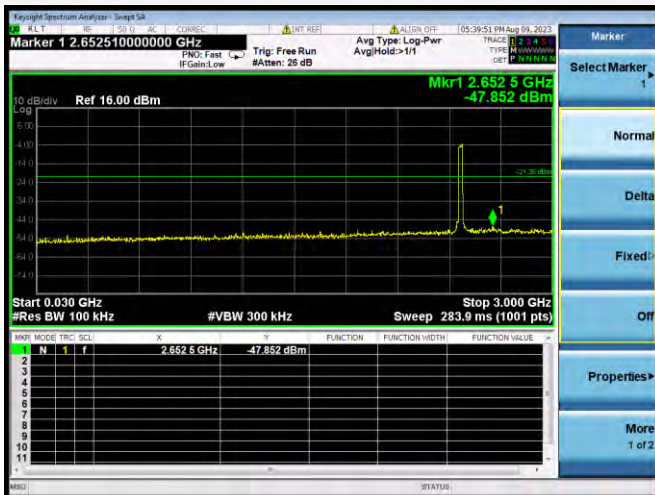
802.11n-20 MHz CHANNEL 12, SPURIOUS
2 GHz ~ 25 GHz



802.11n-20 MHz CHANNEL 13 CARRIER LEVEL



802.11n-20 MHz CHANNEL 13, SPURIOUS
30 MHz ~ 3 GHz



802.11n-20 MHz CHANNEL 13, 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	
CH1	-40.25	5.06	-14.95	Pass
CH11	-43.59	3.77	-16.23	Pass
CH12	-44.23	4.11	-15.89	Pass
CH13	-42.56	3.04	-16.96	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-38.78	-0.93	-20.93	Pass
CH11	-44.57	-1.28	-21.28	Pass
CH12	-44.54	-1.06	-21.06	Pass
CH13	-42.85	-1.18	-21.18	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
CH1	-39.45	-1.17	-21.17	Pass
CH11	-44.33	-0.42	-20.42	Pass
CH12	-44.10	-0.48	-20.48	Pass
CH13	-43.10	-1.26	-21.26	Pass

Test Plots

802.11b CHANNEL 1, CARRIER LEVEL



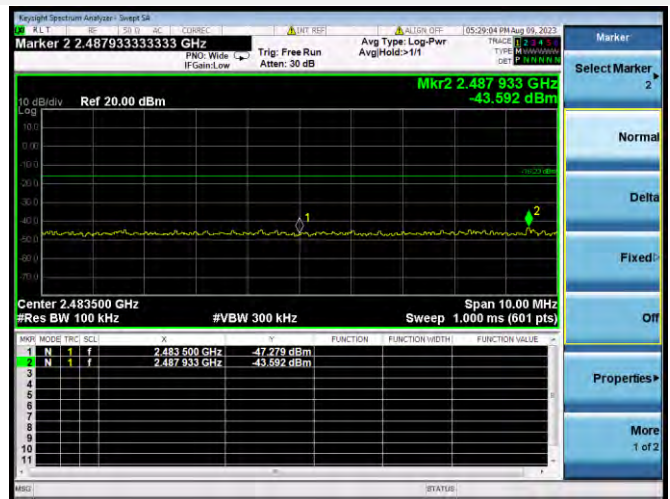
802.11b CHANNEL 1, BAND EDGE



802.11b CHANNEL 11, CARRIER LEVEL



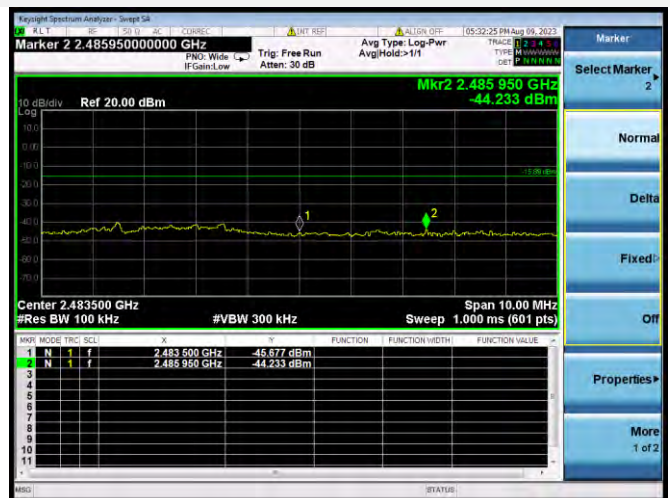
802.11b CHANNEL 11, BAND EDGE



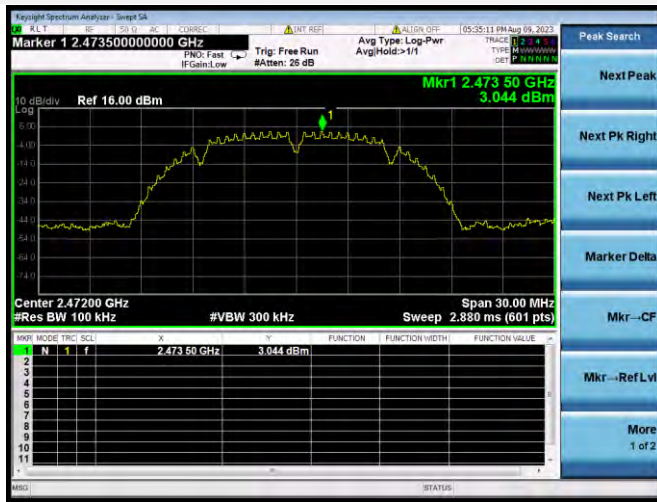
802.11b CHANNEL 12, CARRIER LEVEL



802.11b CHANNEL 12, BAND EDGE



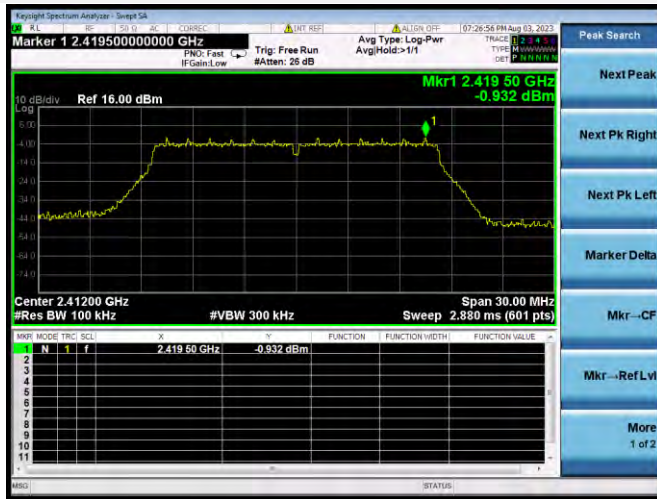
802.11b CHANNEL 13, CARRIER LEVEL



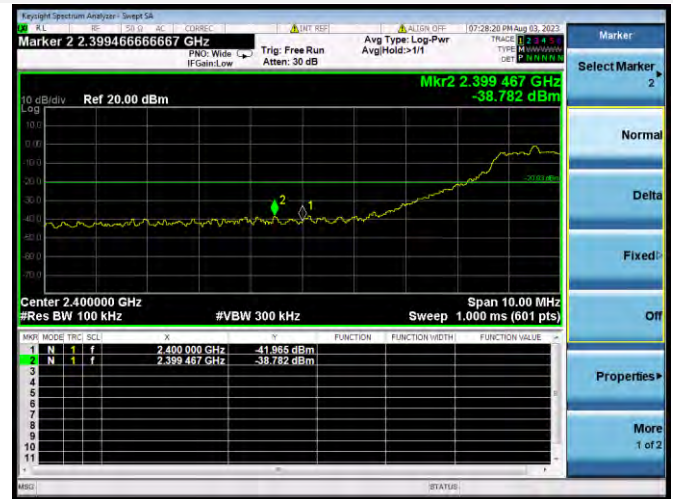
802.11b CHANNEL 13, BAND EDGE



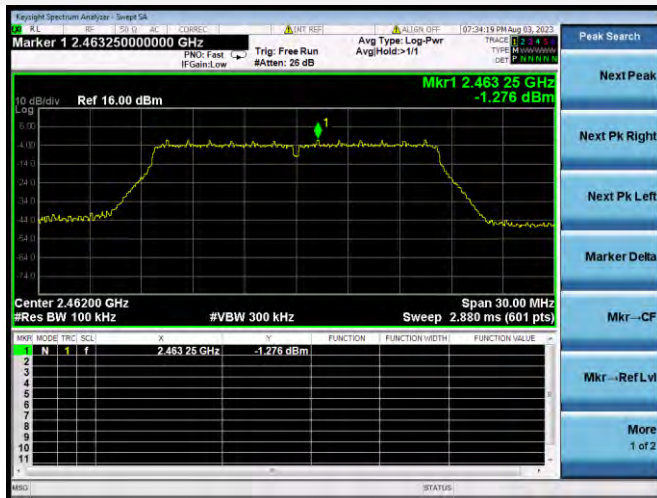
802.11g CHANNEL 1, CARRIER LEVEL



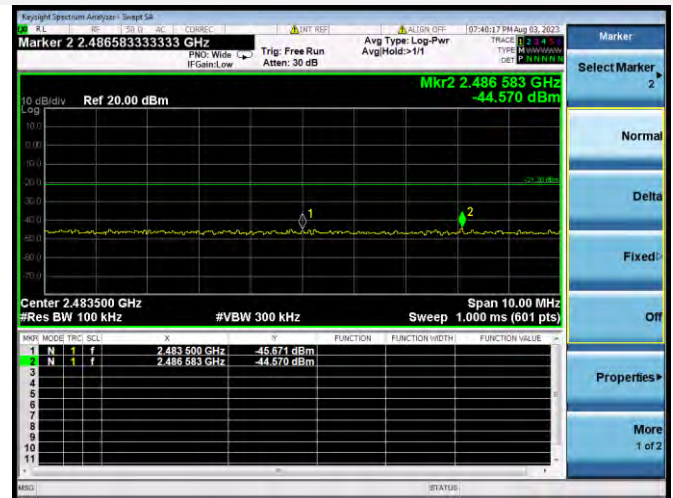
802.11g CHANNEL 1, BAND EDGE



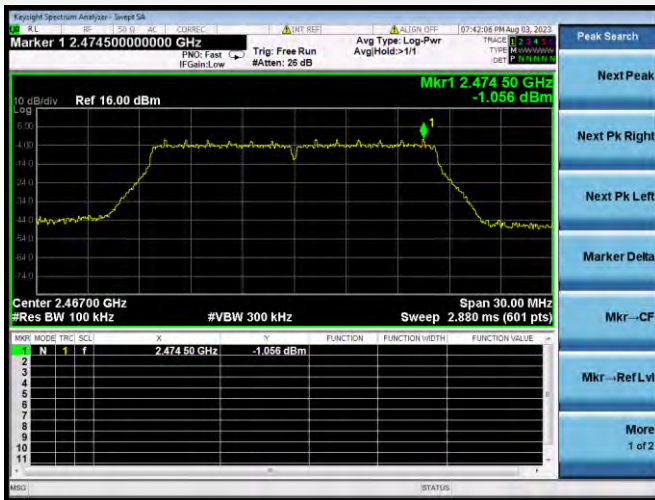
802.11g CHANNEL 11, CARRIER LEVEL



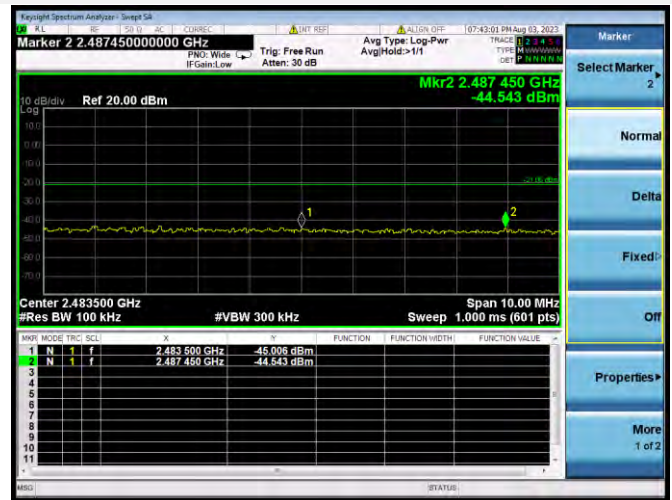
802.11g CHANNEL 11, BAND EDGE



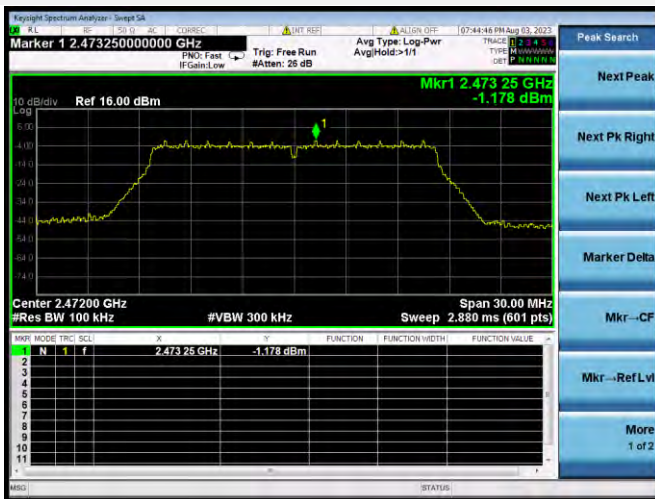
802.11g CHANNEL 12, CARRIER LEVEL



802.11g CHANNEL 12, BAND EDGE



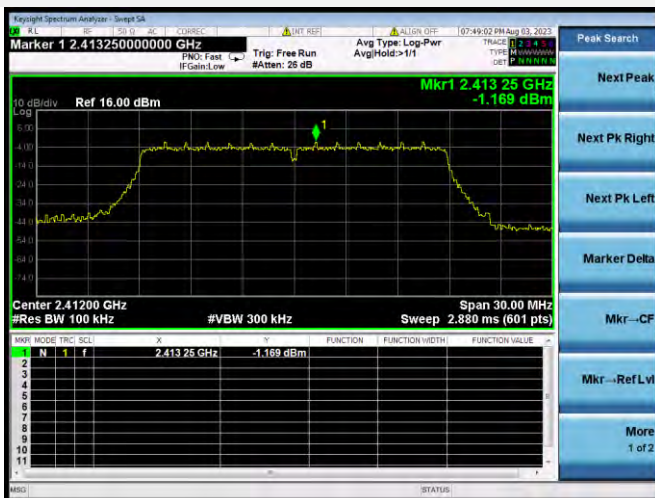
802.11g CHANNEL 13, CARRIER LEVEL



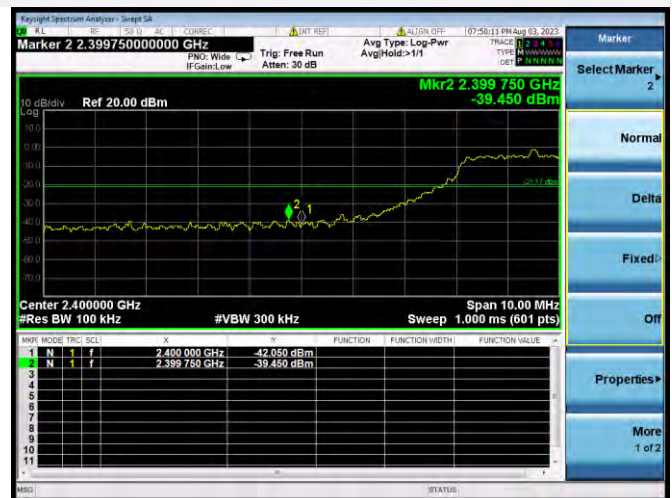
802.11g CHANNEL 13, BAND EDGE



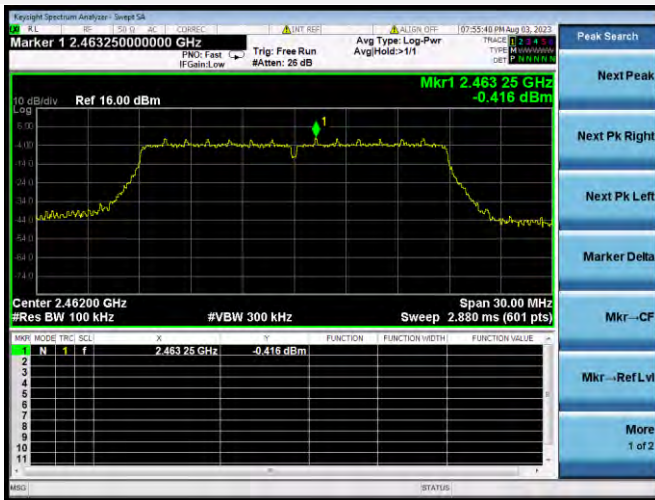
802.11n-20 MHz CHANNEL 1, CARRIER LEVEL



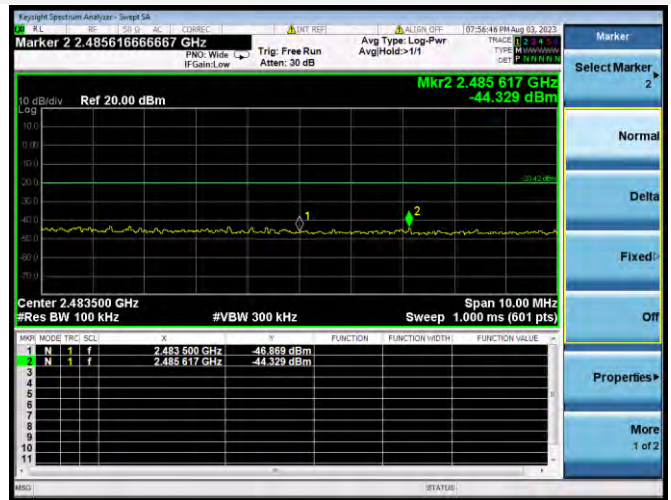
802.11n-20 MHz CHANNEL 1, BAND EDGE



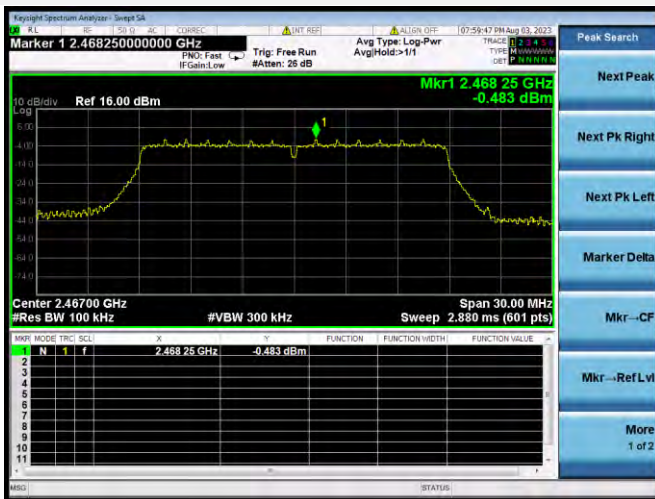
802.11n-20 MHz CHANNEL 11, CARRIER LEVEL



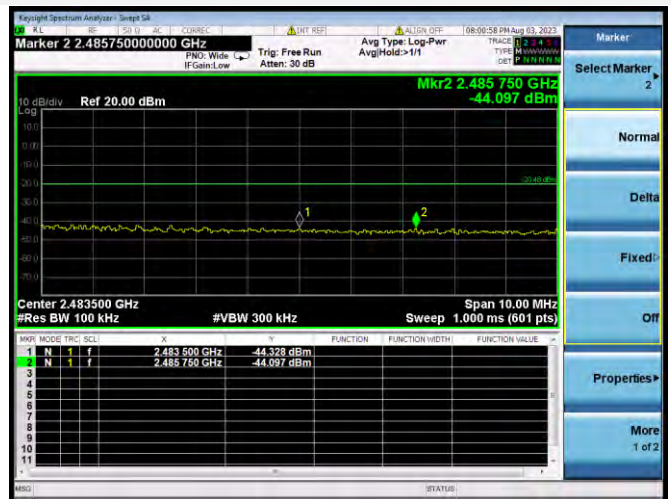
802.11n-20 MHz CHANNEL 11, BAND EDGE



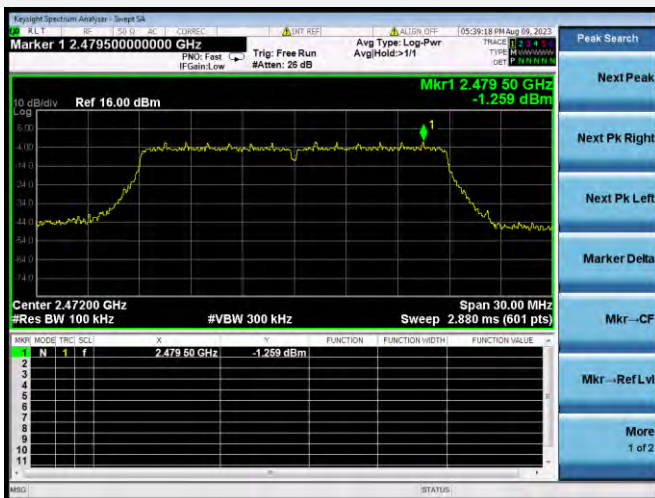
802.11n-20 MHz CHANNEL 12, CARRIER LEVEL



802.11n-20 MHz CHANNEL 12, BAND EDGE



802.11n-20 MHz CHANNEL 13, CARRIER LEVEL



802.11n-20 MHz CHANNEL 13, BAND EDGE

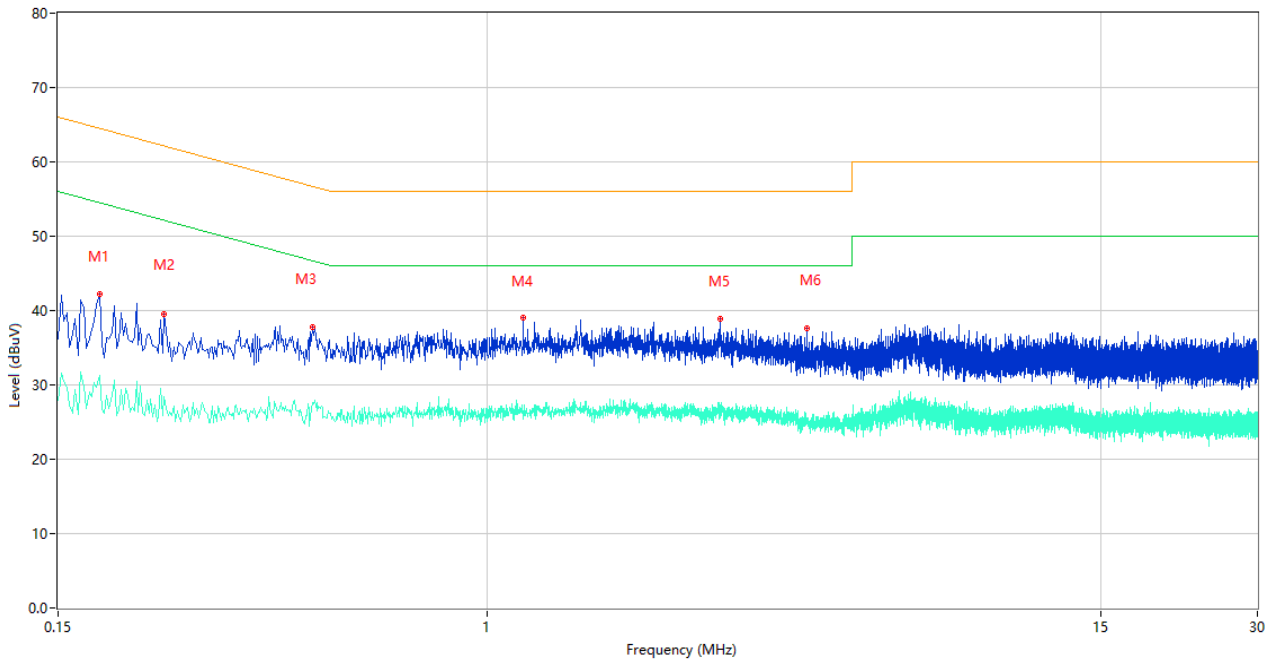


A.5 Conducted Emissions

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

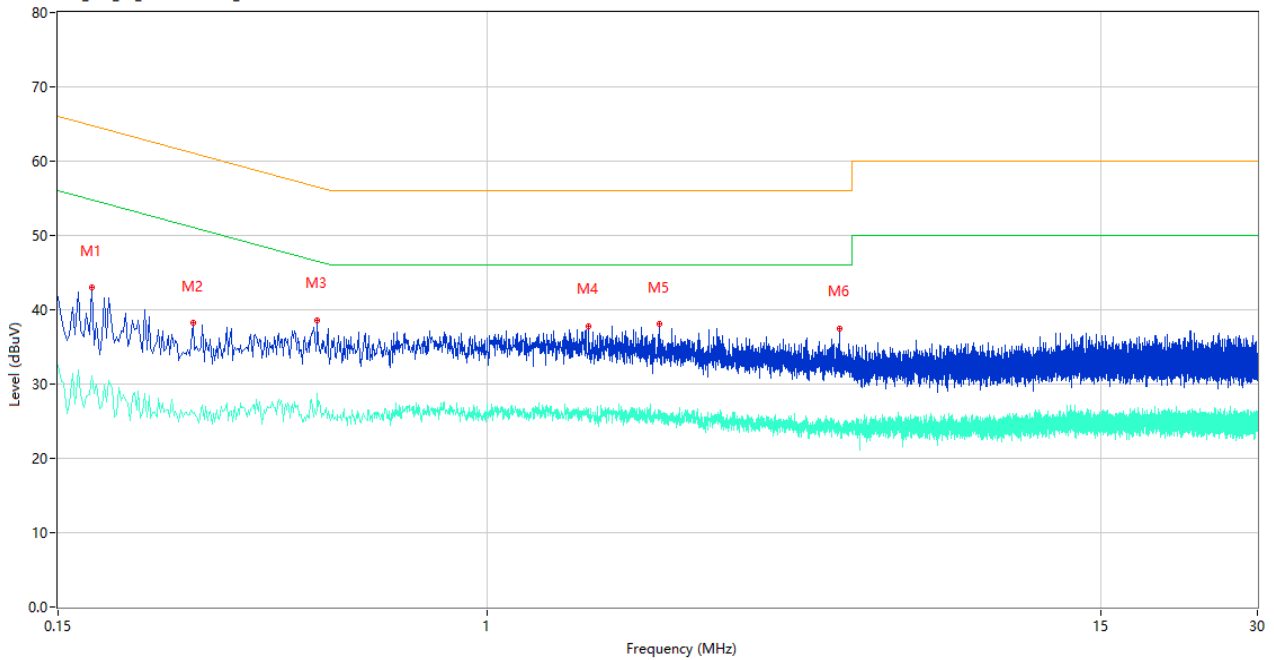
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.180	42.24	9.78	64.49	22.25	Peak	L	Pass
1**	0.180	31.31	9.78	54.49	23.18	AV	L	Pass
2	0.240	39.60	9.77	62.10	22.50	Peak	L	Pass
2**	0.240	28.39	9.77	52.10	23.71	AV	L	Pass
3	0.462	37.83	10.02	56.66	18.83	Peak	L	Pass
3**	0.462	27.58	10.02	46.66	19.08	AV	L	Pass
4	1.170	39.04	10.19	56.00	16.96	Peak	L	Pass
4**	1.170	26.55	10.19	46.00	19.45	AV	L	Pass
5	2.790	38.94	10.36	56.00	17.06	Peak	L	Pass
5**	2.790	26.91	10.36	46.00	19.09	AV	L	Pass
6	4.094	37.69	10.45	56.00	18.31	Peak	L	Pass
6**	4.094	25.62	10.45	46.00	20.38	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.174	42.95	9.78	64.77	21.82	Peak	N	Pass
1**	0.174	31.11	9.78	54.77	23.66	AV	N	Pass
2	0.272	38.22	9.76	61.06	22.84	Peak	N	Pass
2**	0.272	26.06	9.76	51.06	25.00	AV	N	Pass
3	0.472	38.59	10.01	56.48	17.89	Peak	N	Pass
3**	0.472	28.70	10.01	46.48	17.78	AV	N	Pass
4	1.564	37.72	10.06	56.00	18.28	Peak	N	Pass
4**	1.564	26.60	10.06	46.00	19.40	AV	N	Pass
5	2.140	38.08	10.15	56.00	17.92	Peak	N	Pass
5**	2.140	26.20	10.15	46.00	19.80	AV	N	Pass
6	4.748	37.53	10.09	56.00	18.47	Peak	N	Pass
6**	4.748	23.73	10.09	46.00	22.27	AV	N	Pass

A.6 Radiated Emission

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

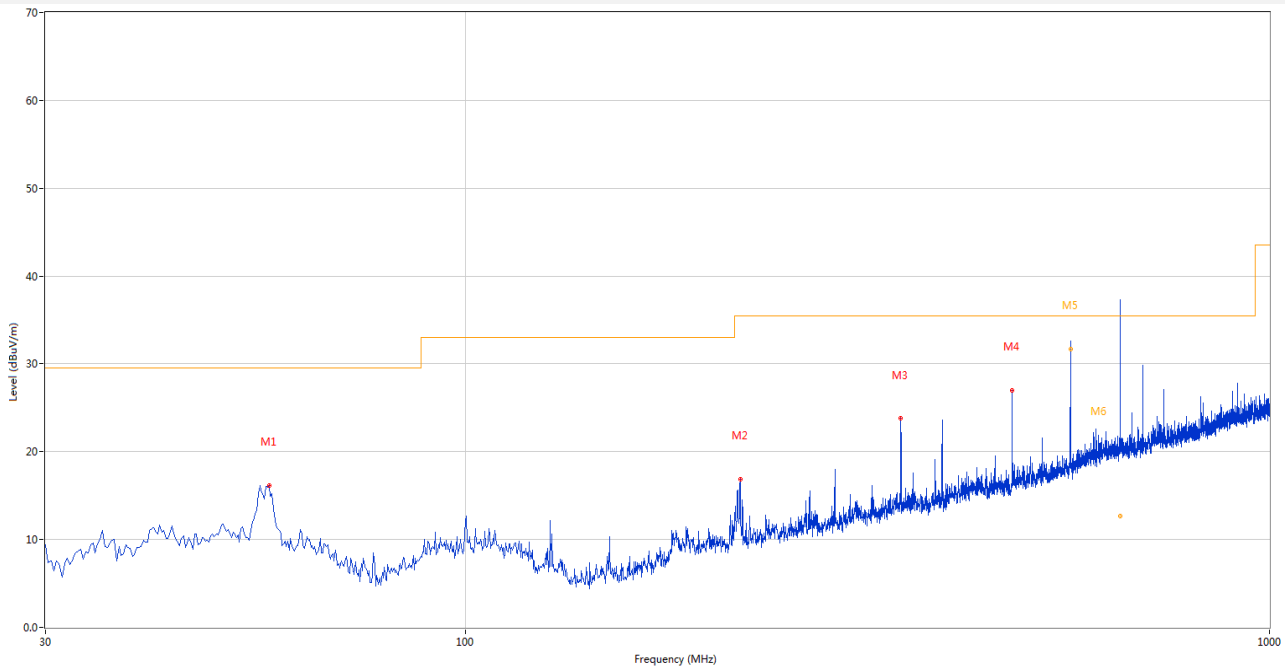
Note ²: For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

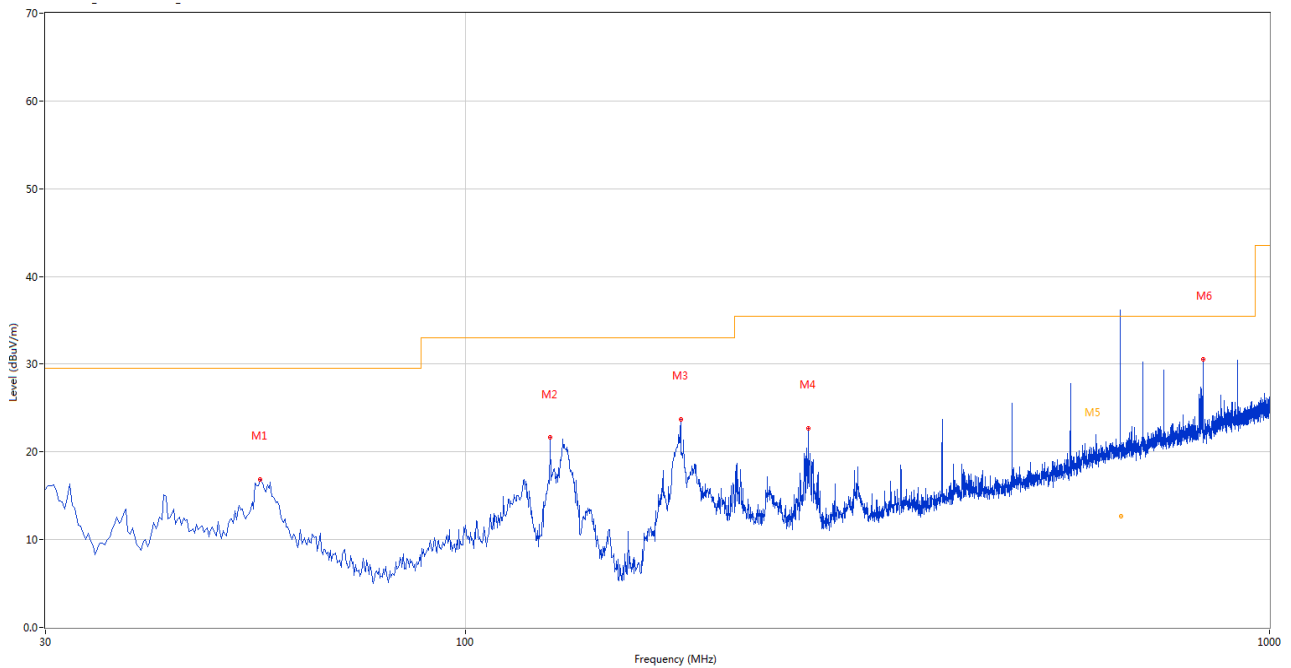
Test Data and Plots

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	56.911	16.17	-27.06	29.5	13.33	Peak	16.00	200	Horizontal	Pass
2	219.588	16.88	-27.62	35.5	18.62	Peak	87.00	200	Horizontal	Pass
3	347.838	23.76	-23.49	35.5	11.74	Peak	103.00	200	Horizontal	Pass
4	478.513	27.03	-21.05	35.5	8.47	Peak	115.00	200	Horizontal	Pass
5	565.502	32.40	-19.31	35.5	3.10	Peak	152.00	139	Horizontal	Pass
5*	565.502	31.64	-19.31	35.5	3.86	QP	152.00	139	Horizontal	Pass
6	651.928	18.12	-17.09	35.5	17.38	Peak	155.00	111	Horizontal	Pass
6*	651.928	12.65	-17.09	35.5	22.85	QP	155.00	111	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	55.456	16.87	-26.67	29.5	12.63	Peak	358.00	100	Vertical	Pass
2	127.461	21.62	-31.00	33.0	11.38	Peak	87.00	100	Vertical	Pass
3	185.161	23.73	-29.24	33.0	9.27	Peak	211.00	100	Vertical	Pass
4	266.621	22.66	-25.93	35.5	12.84	Peak	360.00	200	Vertical	Pass
5	653.108	18.06	-17.09	35.5	17.44	Peak	189.00	128	Vertical	Pass
5*	653.108	12.63	-17.09	35.5	22.87	QP	189.00	128	Vertical	Pass
6	826.413	30.57	-14.21	35.5	4.93	Peak	130.00	200	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.

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.200	40.87	-17.49	74.0	33.13	Peak	29.00	400	Horizontal	Pass
1**	1331.200	29.99	-17.49	54.0	24.01	AV	29.00	400	Horizontal	Pass
2	2413.600	97.77	-12.52	74.0	-23.77	Peak	261.00	100	Horizontal	N/A
2**	2413.600	94.85	-12.52	54.0	-40.85	AV	261.00	100	Horizontal	N/A
3	4824.000	53.71	-3.41	74.0	20.29	Peak	129.00	150	Horizontal	Pass
3**	4824.000	50.55	-3.41	54.0	3.45	AV	129.00	150	Horizontal	Pass
4	6672.600	55.10	0.17	74.0	18.90	Peak	345.00	300	Horizontal	Pass
4**	6672.600	44.76	0.17	54.0	9.24	AV	345.00	300	Horizontal	Pass
5	12836.625	53.80	1.28	74.0	20.20	Peak	17.00	300	Horizontal	Pass
5**	12836.625	44.45	1.28	54.0	9.55	AV	17.00	300	Horizontal	Pass
6	17437.463	56.73	3.14	74.0	17.27	Peak	280.00	300	Horizontal	Pass
6**	17437.463	46.96	3.14	54.0	7.04	AV	280.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.000	43.94	-17.48	74.0	30.06	Peak	105.00	300	Vertical	Pass
1**	1331.000	34.25	-17.48	54.0	19.75	AV	105.00	300	Vertical	Pass
2	2413.700	103.90	-12.52	74.0	-29.90	Peak	296.00	100	Vertical	N/A
2**	2413.700	100.79	-12.52	54.0	-46.79	AV	296.00	100	Vertical	N/A
3	4824.000	52.77	-3.41	74.0	21.23	Peak	112.00	150	Vertical	Pass
3**	4824.000	50.26	-3.41	54.0	3.74	AV	112.00	150	Vertical	Pass
4	6612.400	54.82	1.39	74.0	19.18	Peak	285.00	200	Vertical	Pass
4**	6612.400	46.04	1.39	54.0	7.96	AV	285.00	200	Vertical	Pass
5	12824.287	54.15	1.02	74.0	19.85	Peak	247.00	200	Vertical	Pass
5**	12824.287	44.58	1.02	54.0	9.42	AV	247.00	200	Vertical	Pass
6	16380.900	56.72	1.80	74.0	17.28	Peak	225.00	300	Vertical	Pass
6**	16380.900	45.89	1.80	54.0	8.11	AV	225.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1435.600	40.77	-17.49	74.0	33.23	Peak	24.00	200	Horizontal	Pass
1**	1435.600	37.25	-17.49	54.0	16.75	AV	24.00	200	Horizontal	Pass
2	2438.500	98.52	-12.44	74.0	-24.52	Peak	248.00	100	Horizontal	N/A
2**	2438.500	95.56	-12.44	54.0	-41.56	AV	248.00	100	Horizontal	N/A
3	4874.000	53.68	-3.29	74.0	20.32	Peak	27.00	150	Horizontal	Pass
3**	4874.000	50.92	-3.29	54.0	3.08	AV	27.00	150	Horizontal	Pass
4	6607.200	55.16	1.50	74.0	18.84	Peak	358.00	100	Horizontal	Pass
4**	6607.200	46.50	1.50	54.0	7.50	AV	358.00	100	Horizontal	Pass
5	12794.362	54.35	1.16	74.0	19.65	Peak	108.00	300	Horizontal	Pass
5**	12794.362	43.98	1.16	54.0	10.02	AV	108.00	300	Horizontal	Pass
6	15846.713	55.86	1.36	74.0	18.14	Peak	257.00	200	Horizontal	Pass
6**	15846.713	46.10	1.36	54.0	7.90	AV	257.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.700	41.07	-17.62	74.0	32.93	Peak	5.00	200	Vertical	Pass
1**	1327.700	28.67	-17.62	54.0	25.33	AV	5.00	200	Vertical	Pass
2	2435.600	102.52	-12.53	74.0	-28.52	Peak	106.00	100	Vertical	N/A
2**	2435.600	99.49	-12.53	54.0	-45.49	AV	106.00	100	Vertical	N/A
3	4874.200	52.33	-3.28	74.0	21.67	Peak	296.00	150	Vertical	Pass
3**	4874.200	49.19	-3.28	54.0	4.81	AV	296.00	150	Vertical	Pass
4	6671.800	56.02	0.20	74.0	17.98	Peak	151.00	400	Vertical	Pass
4**	6671.800	45.36	0.20	54.0	8.64	AV	151.00	400	Vertical	Pass
5	11601.724	53.92	-0.04	74.0	20.08	Peak	300.00	100	Vertical	Pass
5**	11601.724	42.46	-0.04	54.0	11.54	AV	300.00	100	Vertical	Pass
6	13331.174	56.09	0.95	74.0	17.91	Peak	69.00	100	Vertical	Pass
6**	13331.174	46.51	0.95	54.0	7.49	AV	69.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1435.700	40.87	-17.49	74.0	33.13	Peak	23.00	300	Horizontal	Pass
1**	1435.700	36.88	-17.49	54.0	17.12	AV	23.00	300	Horizontal	Pass
2	2463.500	99.56	-12.49	74.0	-25.56	Peak	247.00	200	Horizontal	N/A
2**	2463.500	96.64	-12.49	54.0	-42.64	AV	247.00	200	Horizontal	N/A
3	4924.200	54.15	-2.35	74.0	19.85	Peak	27.00	150	Horizontal	Pass
3**	4924.200	50.99	-2.35	54.0	3.01	AV	27.00	150	Horizontal	Pass
4	6606.400	55.32	1.42	74.0	18.68	Peak	360.00	100	Horizontal	Pass
4**	6606.400	46.13	1.42	54.0	7.87	AV	360.00	100	Horizontal	Pass
5	12880.725	54.79	1.57	74.0	19.21	Peak	143.00	400	Horizontal	Pass
5**	12880.725	44.21	1.57	54.0	9.79	AV	143.00	400	Horizontal	Pass
6	17401.762	56.52	3.23	74.0	17.48	Peak	288.00	200	Horizontal	Pass
6**	17401.762	46.28	3.23	54.0	7.72	AV	288.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.500	41.43	-17.52	74.0	32.57	Peak	115.00	100	Vertical	Pass
1**	1332.500	34.27	-17.52	54.0	19.73	AV	115.00	100	Vertical	Pass
2	2463.400	101.59	-12.49	74.0	-27.59	Peak	99.00	100	Vertical	N/A
2**	2463.400	98.62	-12.49	54.0	-44.62	AV	99.00	100	Vertical	N/A
3	4924.000	52.77	-2.34	74.0	21.23	Peak	264.00	150	Vertical	Pass
3**	4924.000	49.26	-2.34	54.0	4.74	AV	264.00	150	Vertical	Pass
4	6752.200	55.04	-0.06	74.0	18.96	Peak	181.00	200	Vertical	Pass
4**	6752.200	44.52	-0.06	54.0	9.48	AV	181.00	200	Vertical	Pass
5	12833.212	54.31	1.21	74.0	19.69	Peak	196.00	400	Vertical	Pass
5**	12833.212	44.31	1.21	54.0	9.69	AV	196.00	400	Vertical	Pass
6	17178.636	56.21	0.63	74.0	17.79	Peak	233.00	150	Vertical	Pass
6**	17178.636	46.81	0.63	54.0	7.19	AV	233.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1435.600	40.79	-17.49	74.0	33.21	Peak	23.00	200	Horizontal	Pass
1**	1435.600	37.19	-17.49	54.0	16.81	AV	23.00	200	Horizontal	Pass
2	2465.600	98.49	-12.45	74.0	-24.49	Peak	243.00	150	Horizontal	N/A
2**	2465.600	95.60	-12.45	54.0	-41.60	AV	243.00	150	Horizontal	N/A
3	4934.200	52.62	-2.90	74.0	21.38	Peak	37.00	150	Horizontal	Pass
3**	4934.200	50.17	-2.90	54.0	3.83	AV	37.00	150	Horizontal	Pass
4	6616.200	54.85	0.82	74.0	19.15	Peak	59.00	100	Horizontal	Pass
4**	6616.200	45.47	0.82	54.0	8.53	AV	59.00	100	Horizontal	Pass
5	12795.938	53.75	1.15	74.0	20.25	Peak	161.00	100	Horizontal	Pass
5**	12795.938	44.52	1.15	54.0	9.48	AV	161.00	100	Horizontal	Pass
6	17416.724	56.01	3.68	74.0	17.99	Peak	326.00	150	Horizontal	Pass
6**	17416.724	46.97	3.68	54.0	7.03	AV	326.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.200	42.42	-17.49	74.0	31.58	Peak	124.00	300	Vertical	Pass
1**	1331.200	32.86	-17.49	54.0	21.14	AV	124.00	300	Vertical	Pass
2	2465.500	102.50	-12.44	74.0	-28.50	Peak	101.00	100	Vertical	N/A
2**	2465.500	99.46	-12.44	54.0	-45.46	AV	101.00	100	Vertical	N/A
3	4934.200	52.91	-2.90	74.0	21.09	Peak	272.00	150	Vertical	Pass
3**	4934.200	50.19	-2.90	54.0	3.81	AV	272.00	150	Vertical	Pass
4	6681.400	55.35	0.14	74.0	18.65	Peak	88.00	300	Vertical	Pass
4**	6681.400	45.26	0.14	54.0	8.74	AV	88.00	300	Vertical	Pass
5	12877.838	53.60	1.54	74.0	20.40	Peak	125.00	100	Vertical	Pass
5**	12877.838	44.18	1.54	54.0	9.82	AV	125.00	100	Vertical	Pass
6	17421.187	55.93	3.72	74.0	18.07	Peak	143.00	100	Vertical	Pass
6**	17421.187	46.89	3.72	54.0	7.11	AV	143.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1509.000	39.12	-17.56	74.0	34.88	Peak	45.00	300	Horizontal	Pass
1**	1509.000	29.43	-17.56	54.0	24.57	AV	45.00	300	Horizontal	Pass
2	2473.500	97.26	-12.21	74.0	-23.26	Peak	236.00	100	Horizontal	N/A
2**	2473.500	94.40	-12.21	54.0	-40.40	AV	236.00	100	Horizontal	N/A
3	4944.200	51.64	-2.93	74.0	22.36	Peak	360.00	150	Horizontal	Pass
3**	4944.200	49.23	-2.93	54.0	4.77	AV	360.00	150	Horizontal	Pass
4	6278.200	54.64	0.22	74.0	19.36	Peak	360.00	300	Horizontal	Pass
4**	6278.200	45.51	0.22	54.0	8.49	AV	360.00	300	Horizontal	Pass
5	12816.938	53.86	0.87	74.0	20.14	Peak	15.00	300	Horizontal	Pass
5**	12816.938	43.61	0.87	54.0	10.39	AV	15.00	300	Horizontal	Pass
6	16096.349	56.43	1.29	74.0	17.57	Peak	274.00	300	Horizontal	Pass
6**	16096.349	46.43	1.29	54.0	7.57	AV	274.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.600	43.12	-17.52	74.0	30.88	Peak	117.00	400	Vertical	Pass
1**	1332.600	34.03	-17.52	54.0	19.97	AV	117.00	400	Vertical	Pass
2	2473.600	100.73	-12.20	74.0	-26.73	Peak	67.00	200	Vertical	N/A
2**	2473.600	97.85	-12.20	54.0	-43.85	AV	67.00	200	Vertical	N/A
3	4944.200	52.51	-2.93	74.0	21.49	Peak	83.00	150	Vertical	Pass
3**	4944.200	49.94	-2.93	54.0	4.06	AV	83.00	150	Vertical	Pass
4	6609.400	55.08	1.57	74.0	18.92	Peak	71.00	300	Vertical	Pass
4**	6609.400	46.04	1.57	54.0	7.96	AV	71.00	300	Vertical	Pass
5	12889.912	54.30	1.59	74.0	19.70	Peak	337.00	400	Vertical	Pass
5**	12889.912	44.59	1.59	54.0	9.41	AV	337.00	400	Vertical	Pass
6	17429.062	56.79	3.48	74.0	17.21	Peak	110.00	300	Vertical	Pass
6**	17429.062	46.39	3.48	54.0	7.61	AV	110.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.400	41.30	-17.70	74.0	32.70	Peak	122.00	300	Horizontal	Pass
1**	1328.400	33.84	-17.70	54.0	20.16	AV	122.00	300	Horizontal	Pass
2	2404.900	99.01	-12.29	74.0	-25.01	Peak	228.00	150	Horizontal	N/A
2**	2404.900	93.16	-12.29	54.0	-39.16	AV	228.00	150	Horizontal	N/A
3	4996.200	50.78	-2.80	74.0	23.22	Peak	83.00	100	Horizontal	Pass
3**	4996.200	42.70	-2.80	54.0	11.30	AV	83.00	100	Horizontal	Pass
4	6613.000	54.62	1.35	74.0	19.38	Peak	179.00	400	Horizontal	Pass
4**	6613.000	46.59	1.35	54.0	7.41	AV	179.00	400	Horizontal	Pass
5	12813.263	53.98	0.85	74.0	20.02	Peak	351.00	100	Horizontal	Pass
5**	12813.263	43.79	0.85	54.0	10.21	AV	351.00	100	Horizontal	Pass
6	15811.800	55.91	2.13	74.0	18.09	Peak	291.00	400	Horizontal	Pass
6**	15811.800	47.18	2.13	54.0	6.82	AV	291.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.000	46.04	-17.53	74.0	27.96	Peak	64.00	150	Vertical	Pass
1**	1330.000	34.88	-17.53	54.0	19.12	AV	64.00	150	Vertical	Pass
2	2416.500	103.35	-12.29	74.0	-29.35	Peak	69.00	150	Vertical	N/A
2**	2416.500	95.00	-12.29	54.0	-41.00	AV	69.00	150	Vertical	N/A
3	4988.600	51.74	-2.73	74.0	22.26	Peak	301.00	150	Vertical	Pass
3**	4988.600	42.20	-2.73	54.0	11.80	AV	301.00	150	Vertical	Pass
4	6401.000	55.29	-0.07	74.0	18.71	Peak	38.00	300	Vertical	Pass
4**	6401.000	45.15	-0.07	54.0	8.85	AV	38.00	300	Vertical	Pass
5	12724.412	53.76	1.24	74.0	20.24	Peak	100.00	200	Vertical	Pass
5**	12724.412	44.15	1.24	54.0	9.85	AV	100.00	200	Vertical	Pass
6	16053.037	55.84	0.76	74.0	18.16	Peak	237.00	400	Vertical	Pass
6**	16053.037	45.34	0.76	54.0	8.66	AV	237.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1019.500	40.12	-18.14	74.0	33.88	Peak	116.00	300	Horizontal	Pass
1**	1019.500	28.97	-18.14	54.0	25.03	AV	116.00	300	Horizontal	Pass
2	2441.200	99.18	-12.44	74.0	-25.18	Peak	226.00	150	Horizontal	N/A
2**	2441.200	90.57	-12.44	54.0	-36.57	AV	226.00	150	Horizontal	N/A
3	4880.200	51.12	-3.36	74.0	22.88	Peak	149.00	100	Horizontal	Pass
3**	4880.200	42.76	-3.36	54.0	11.24	AV	149.00	100	Horizontal	Pass
4	6776.800	54.83	0.32	74.0	19.17	Peak	160.00	200	Horizontal	Pass
4**	6776.800	44.88	0.32	54.0	9.12	AV	160.00	200	Horizontal	Pass
5	12839.513	53.67	1.32	74.0	20.33	Peak	163.00	100	Horizontal	Pass
5**	12839.513	44.11	1.32	54.0	9.89	AV	163.00	100	Horizontal	Pass
6	17467.650	56.09	2.90	74.0	17.91	Peak	237.00	100	Horizontal	Pass
6**	17467.650	46.79	2.90	54.0	7.21	AV	237.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.600	46.39	-17.50	74.0	27.61	Peak	102.00	200	Vertical	Pass
1**	1331.600	40.09	-17.50	54.0	13.91	AV	102.00	200	Vertical	Pass
2	2434.200	102.55	-12.62	74.0	-28.55	Peak	16.00	150	Vertical	N/A
2**	2434.200	93.93	-12.62	54.0	-39.93	AV	16.00	150	Vertical	N/A
3	4906.000	51.28	-2.28	74.0	22.72	Peak	205.00	100	Vertical	Pass
3**	4906.000	42.47	-2.28	54.0	11.53	AV	205.00	100	Vertical	Pass
4	6603.000	55.03	0.84	74.0	18.97	Peak	6.00	300	Vertical	Pass
4**	6603.000	45.54	0.84	54.0	8.46	AV	6.00	300	Vertical	Pass
5	12890.963	53.98	1.58	74.0	20.02	Peak	124.00	400	Vertical	Pass
5**	12890.963	43.88	1.58	54.0	10.12	AV	124.00	400	Vertical	Pass
6	17409.901	55.75	3.44	74.0	18.25	Peak	14.00	150	Vertical	Pass
6**	17409.901	46.99	3.44	54.0	7.01	AV	14.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1435.500	41.89	-17.49	74.0	32.11	Peak	32.00	400	Horizontal	Pass
1**	1435.500	38.04	-17.49	54.0	15.96	AV	32.00	400	Horizontal	Pass
2	2460.000	97.71	-12.56	74.0	-23.71	Peak	243.00	200	Horizontal	N/A
2**	2460.000	88.63	-12.56	54.0	-34.63	AV	243.00	200	Horizontal	N/A
3	4889.800	51.07	-3.30	74.0	22.93	Peak	168.00	100	Horizontal	Pass
3**	4889.800	42.32	-3.30	54.0	11.68	AV	168.00	100	Horizontal	Pass
4	6679.400	55.37	0.18	74.0	18.63	Peak	157.00	400	Horizontal	Pass
4**	6679.400	45.72	0.18	54.0	8.28	AV	157.00	400	Horizontal	Pass
5	12830.063	54.10	1.13	74.0	19.90	Peak	112.00	400	Horizontal	Pass
5**	12830.063	44.07	1.13	54.0	9.93	AV	112.00	400	Horizontal	Pass
6	17440.088	56.09	3.02	74.0	17.91	Peak	268.00	200	Horizontal	Pass
6**	17440.088	46.35	3.02	54.0	7.65	AV	268.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.500	45.55	-17.50	74.0	28.45	Peak	46.00	300	Vertical	Pass
1**	1331.500	34.53	-17.50	54.0	19.47	AV	46.00	300	Vertical	Pass
2	2465.000	100.60	-12.44	74.0	-26.60	Peak	69.00	200	Vertical	N/A
2**	2465.000	93.08	-12.44	54.0	-39.08	AV	69.00	200	Vertical	N/A
3	5117.200	52.64	-1.99	74.0	21.36	Peak	298.00	150	Vertical	Pass
3**	5117.200	42.83	-1.99	54.0	11.17	AV	298.00	150	Vertical	Pass
4	6270.400	54.58	0.48	74.0	19.42	Peak	320.00	200	Vertical	Pass
4**	6270.400	45.89	0.48	54.0	8.11	AV	320.00	200	Vertical	Pass
5	12449.275	53.69	1.88	74.0	20.31	Peak	29.00	200	Vertical	Pass
5**	12449.275	43.41	1.88	54.0	10.59	AV	29.00	200	Vertical	Pass
6	17417.251	56.61	3.69	74.0	17.39	Peak	74.00	400	Vertical	Pass
6**	17417.251	46.78	3.69	54.0	7.22	AV	74.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.300	41.59	-17.52	74.0	32.41	Peak	125.00	100	Horizontal	Pass
1**	1332.300	30.61	-17.52	54.0	23.39	AV	125.00	100	Horizontal	Pass
2	2473.200	97.47	-12.24	74.0	-23.47	Peak	230.00	150	Horizontal	N/A
2**	2473.200	89.14	-12.24	54.0	-35.14	AV	230.00	150	Horizontal	N/A
3	4942.200	51.41	-2.92	74.0	22.59	Peak	191.00	100	Horizontal	Pass
3**	4942.200	42.02	-2.92	54.0	11.98	AV	191.00	100	Horizontal	Pass
4	6623.400	54.76	0.48	74.0	19.24	Peak	360.00	400	Horizontal	Pass
4**	6623.400	45.15	0.48	54.0	8.85	AV	360.00	400	Horizontal	Pass
5	12900.938	53.30	1.47	74.0	20.70	Peak	0.00	200	Horizontal	Pass
5**	12900.938	44.44	1.47	54.0	9.56	AV	0.00	200	Horizontal	Pass
6	17575.012	55.99	2.22	74.0	18.01	Peak	193.00	150	Horizontal	Pass
6**	17575.012	46.05	2.22	54.0	7.95	AV	193.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1166.100	46.55	-18.05	74.0	27.45	Peak	90.00	200	Vertical	Pass
1**	1166.100	33.04	-18.05	54.0	20.96	AV	90.00	200	Vertical	Pass
2	2463.400	101.66	-12.49	74.0	-27.66	Peak	59.00	100	Vertical	N/A
2**	2463.400	93.36	-12.49	54.0	-39.36	AV	59.00	100	Vertical	N/A
3	5426.600	53.70	-2.05	74.0	20.30	Peak	264.00	150	Vertical	Pass
3**	5426.600	43.22	-2.05	54.0	10.78	AV	264.00	150	Vertical	Pass
4	6684.600	54.87	0.00	74.0	19.13	Peak	221.00	100	Vertical	Pass
4**	6684.600	45.48	0.00	54.0	8.52	AV	221.00	100	Vertical	Pass
5	12890.963	54.00	1.58	74.0	20.00	Peak	16.00	300	Vertical	Pass
5**	12890.963	44.67	1.58	54.0	9.33	AV	16.00	300	Vertical	Pass
6	17434.313	55.80	3.29	74.0	18.20	Peak	231.00	400	Vertical	Pass
6**	17434.313	46.62	3.29	54.0	7.38	AV	231.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1435.200	41.88	-17.50	74.0	32.12	Peak	31.00	400	Horizontal	Pass
1**	1435.200	36.55	-17.50	54.0	17.45	AV	31.00	400	Horizontal	Pass
2	2474.700	97.69	-12.03	74.0	-23.69	Peak	243.00	150	Horizontal	N/A
2**	2474.700	89.83	-12.03	54.0	-35.83	AV	243.00	150	Horizontal	N/A
3	5158.000	51.79	-2.69	74.0	22.21	Peak	61.00	150	Horizontal	Pass
3**	5158.000	42.05	-2.69	54.0	11.95	AV	61.00	150	Horizontal	Pass
4	6604.200	55.36	1.05	74.0	18.64	Peak	347.00	400	Horizontal	Pass
4**	6604.200	46.21	1.05	54.0	7.79	AV	347.00	400	Horizontal	Pass
5	12822.450	53.75	0.98	74.0	20.25	Peak	247.00	400	Horizontal	Pass
5**	12822.450	44.95	0.98	54.0	9.05	AV	247.00	400	Horizontal	Pass
6	17448.225	55.95	2.84	74.0	18.05	Peak	188.00	200	Horizontal	Pass
6**	17448.225	46.65	2.84	54.0	7.35	AV	188.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.000	47.47	-17.97	74.0	26.53	Peak	70.00	100	Vertical	Pass
1**	1164.000	37.47	-17.97	54.0	16.53	AV	70.00	100	Vertical	Pass
2	2478.500	101.48	-12.09	74.0	-27.48	Peak	82.00	150	Vertical	N/A
2**	2478.500	94.00	-12.09	54.0	-40.00	AV	82.00	150	Vertical	N/A
3	4938.000	51.55	-2.85	74.0	22.45	Peak	92.00	150	Vertical	Pass
3**	4938.000	41.73	-2.85	54.0	12.27	AV	92.00	150	Vertical	Pass
4	6071.800	54.86	-1.99	74.0	19.14	Peak	7.00	200	Vertical	Pass
4**	6071.800	44.05	-1.99	54.0	9.95	AV	7.00	200	Vertical	Pass
5	12830.325	54.27	1.13	74.0	19.73	Peak	268.00	100	Vertical	Pass
5**	12830.325	44.64	1.13	54.0	9.36	AV	268.00	100	Vertical	Pass
6	15848.025	56.59	1.35	74.0	17.41	Peak	360.00	300	Vertical	Pass
6**	15848.025	46.87	1.35	54.0	7.13	AV	360.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1293.300	40.34	-17.51	74.0	33.66	Peak	57.00	100	Horizontal	Pass
1**	1293.300	29.84	-17.51	54.0	24.16	AV	57.00	100	Horizontal	Pass
2	2419.000	99.83	-12.40	74.0	-25.83	Peak	239.00	200	Horizontal	N/A
2**	2419.000	90.97	-12.40	54.0	-36.97	AV	239.00	200	Horizontal	N/A
3	4914.400	51.91	-2.67	74.0	22.09	Peak	360.00	100	Horizontal	Pass
3**	4914.400	41.60	-2.67	54.0	12.40	AV	360.00	100	Horizontal	Pass
4	6609.000	54.64	1.59	74.0	19.36	Peak	187.00	400	Horizontal	Pass
4**	6609.000	46.32	1.59	54.0	7.68	AV	187.00	400	Horizontal	Pass
5	12857.099	54.16	1.43	74.0	19.84	Peak	55.00	300	Horizontal	Pass
5**	12857.099	44.10	1.43	54.0	9.90	AV	55.00	300	Horizontal	Pass
6	15860.625	56.23	0.91	74.0	17.77	Peak	155.00	300	Horizontal	Pass
6**	15860.625	46.37	0.91	54.0	7.63	AV	155.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.600	44.64	-17.97	74.0	29.36	Peak	38.00	300	Vertical	Pass
1**	1161.600	28.76	-17.97	54.0	25.24	AV	38.00	300	Vertical	Pass
2	2407.300	102.82	-12.45	74.0	-28.82	Peak	57.00	200	Vertical	N/A
2**	2407.300	95.63	-12.45	54.0	-41.63	AV	57.00	200	Vertical	N/A
3	4898.400	51.24	-2.63	74.0	22.76	Peak	7.00	100	Vertical	Pass
3**	4898.400	42.53	-2.63	54.0	11.47	AV	7.00	100	Vertical	Pass
4	6397.200	55.07	-0.57	74.0	18.93	Peak	286.00	100	Vertical	Pass
4**	6397.200	45.04	-0.57	54.0	8.96	AV	286.00	100	Vertical	Pass
5	12804.338	53.39	0.95	74.0	20.61	Peak	16.00	300	Vertical	Pass
5**	12804.338	43.77	0.95	54.0	10.23	AV	16.00	300	Vertical	Pass
6	17488.912	55.43	2.30	74.0	18.57	Peak	137.00	150	Vertical	Pass
6**	17488.912	45.89	2.30	54.0	8.11	AV	137.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1435.600	41.77	-17.49	74.0	32.23	Peak	30.00	300	Horizontal	Pass
1**	1435.600	38.22	-17.49	54.0	15.78	AV	30.00	300	Horizontal	Pass
2	2438.400	98.32	-12.44	74.0	-24.32	Peak	235.00	200	Horizontal	N/A
2**	2438.400	90.56	-12.44	54.0	-36.56	AV	235.00	200	Horizontal	N/A
3	4886.200	51.84	-3.48	74.0	22.16	Peak	29.00	150	Horizontal	Pass
3**	4886.200	41.38	-3.48	54.0	12.62	AV	29.00	150	Horizontal	Pass
4	6745.600	54.97	0.86	74.0	19.03	Peak	352.00	400	Horizontal	Pass
4**	6745.600	45.69	0.86	54.0	8.31	AV	352.00	400	Horizontal	Pass
5	12287.988	53.89	1.71	74.0	20.11	Peak	243.00	200	Horizontal	Pass
5**	12287.988	44.18	1.71	54.0	9.82	AV	243.00	200	Horizontal	Pass
6	15791.325	56.37	2.05	74.0	17.63	Peak	78.00	100	Horizontal	Pass
6**	15791.325	46.16	2.05	54.0	7.84	AV	78.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.500	46.83	-17.47	74.0	27.17	Peak	97.00	200	Vertical	Pass
1**	1330.500	35.78	-17.47	54.0	18.22	AV	97.00	200	Vertical	Pass
2	2440.700	101.19	-12.43	74.0	-27.19	Peak	79.00	200	Vertical	N/A
2**	2440.700	94.13	-12.43	54.0	-40.13	AV	79.00	200	Vertical	N/A
3	4912.400	51.69	-2.70	74.0	22.31	Peak	196.00	100	Vertical	Pass
3**	4912.400	41.60	-2.70	54.0	12.40	AV	196.00	100	Vertical	Pass
4	6609.200	55.28	1.58	74.0	18.72	Peak	251.00	400	Vertical	Pass
4**	6609.200	46.93	1.58	54.0	7.07	AV	251.00	400	Vertical	Pass
5	12855.525	54.00	1.42	74.0	20.00	Peak	76.00	100	Vertical	Pass
5**	12855.525	44.43	1.42	54.0	9.57	AV	76.00	100	Vertical	Pass
6	17424.075	55.57	3.65	74.0	18.43	Peak	174.00	150	Vertical	Pass
6**	17424.075	47.55	3.65	54.0	6.45	AV	174.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.400	41.91	-17.52	74.0	32.09	Peak	164.00	200	Horizontal	Pass
1**	1332.400	29.61	-17.52	54.0	24.39	AV	164.00	200	Horizontal	Pass
2	2464.800	97.23	-12.45	74.0	-23.23	Peak	242.00	150	Horizontal	N/A
2**	2464.800	89.47	-12.45	54.0	-35.47	AV	242.00	150	Horizontal	N/A
3	4875.800	51.78	-3.35	74.0	22.22	Peak	17.00	200	Horizontal	Pass
3**	4875.800	41.87	-3.35	54.0	12.13	AV	17.00	200	Horizontal	Pass
4	6608.000	55.00	1.55	74.0	19.00	Peak	205.00	200	Horizontal	Pass
4**	6608.000	46.39	1.55	54.0	7.61	AV	205.00	200	Horizontal	Pass
5	12966.563	54.32	0.92	74.0	19.68	Peak	87.00	200	Horizontal	Pass
5**	12966.563	43.58	0.92	54.0	10.42	AV	87.00	200	Horizontal	Pass
6	17406.224	56.68	3.35	74.0	17.32	Peak	344.00	100	Horizontal	Pass
6**	17406.224	47.10	3.35	54.0	6.90	AV	344.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.400	47.95	-17.99	74.0	26.05	Peak	68.00	400	Vertical	Pass
1**	1164.400	35.26	-17.99	54.0	18.74	AV	68.00	400	Vertical	Pass
2	2469.600	101.41	-12.38	74.0	-27.41	Peak	98.00	200	Vertical	N/A
2**	2469.600	93.49	-12.38	54.0	-39.49	AV	98.00	200	Vertical	N/A
3	5243.400	52.55	-2.28	74.0	21.45	Peak	37.00	150	Vertical	Pass
3**	5243.400	42.92	-2.28	54.0	11.08	AV	37.00	150	Vertical	Pass
4	6610.800	54.81	1.48	74.0	19.19	Peak	335.00	200	Vertical	Pass
4**	6610.800	46.26	1.48	54.0	7.74	AV	335.00	200	Vertical	Pass
5	12092.200	53.60	0.52	74.0	20.40	Peak	75.00	300	Vertical	Pass
5**	12092.200	43.66	0.52	54.0	10.34	AV	75.00	300	Vertical	Pass
6	17418.301	55.70	3.72	74.0	18.30	Peak	0.00	150	Vertical	Pass
6**	17418.301	46.98	3.72	54.0	7.02	AV	0.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1435.400	41.91	-17.49	74.0	32.09	Peak	19.00	400	Horizontal	Pass
1**	1435.400	36.96	-17.49	54.0	17.04	AV	19.00	400	Horizontal	Pass
2	2474.600	98.41	-12.05	74.0	-24.41	Peak	242.00	200	Horizontal	N/A
2**	2474.600	91.20	-12.05	54.0	-37.20	AV	242.00	200	Horizontal	N/A
3	5202.200	52.25	-2.26	74.0	21.75	Peak	98.00	150	Horizontal	Pass
3**	5202.200	42.51	-2.26	54.0	11.49	AV	98.00	150	Horizontal	Pass
4	6686.000	55.35	-0.07	74.0	18.65	Peak	285.00	400	Horizontal	Pass
4**	6686.000	45.40	-0.07	54.0	8.60	AV	285.00	400	Horizontal	Pass
5	12865.762	54.07	1.43	74.0	19.93	Peak	15.00	100	Horizontal	Pass
5**	12865.762	43.85	1.43	54.0	10.15	AV	15.00	100	Horizontal	Pass
6	16990.687	56.01	1.83	74.0	17.99	Peak	53.00	150	Horizontal	Pass
6**	16990.687	45.53	1.83	54.0	8.47	AV	53.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1167.000	47.85	-18.07	74.0	26.15	Peak	85.00	400	Vertical	Pass
1**	1167.000	30.46	-18.07	54.0	23.54	AV	85.00	400	Vertical	Pass
2	2473.300	102.28	-12.23	74.0	-28.28	Peak	92.00	200	Vertical	N/A
2**	2473.300	95.58	-12.23	54.0	-41.58	AV	92.00	200	Vertical	N/A
3	5114.200	51.73	-2.15	74.0	22.27	Peak	347.00	150	Vertical	Pass
3**	5114.200	42.34	-2.15	54.0	11.66	AV	347.00	150	Vertical	Pass
4	6609.600	55.55	1.55	74.0	18.45	Peak	160.00	100	Vertical	Pass
4**	6609.600	45.99	1.55	54.0	8.01	AV	160.00	100	Vertical	Pass
5	12826.651	53.87	1.07	74.0	20.13	Peak	105.00	200	Vertical	Pass
5**	12826.651	44.28	1.07	54.0	9.72	AV	105.00	200	Vertical	Pass
6	17469.225	56.22	2.91	74.0	17.78	Peak	51.00	300	Vertical	Pass
6**	17469.225	46.36	2.91	54.0	7.64	AV	51.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1000.000	41.73	-18.20	74.0	32.27	Peak	234.00	300	Horizontal	Pass
1**	1000.000	34.30	-18.20	54.0	19.70	AV	234.00	300	Horizontal	Pass
2	2469.800	98.22	-12.38	74.0	-24.22	Peak	228.00	150	Horizontal	N/A
2**	2469.800	90.23	-12.38	54.0	-36.23	AV	228.00	150	Horizontal	N/A
3	5063.400	51.83	-2.73	74.0	22.17	Peak	58.00	150	Horizontal	Pass
3**	5063.400	42.70	-2.73	54.0	11.30	AV	58.00	150	Horizontal	Pass
4	6400.600	55.25	-0.10	74.0	18.75	Peak	37.00	400	Horizontal	Pass
4**	6400.600	45.66	-0.10	54.0	8.34	AV	37.00	400	Horizontal	Pass
5	12870.487	53.67	1.45	74.0	20.33	Peak	148.00	400	Horizontal	Pass
5**	12870.487	44.45	1.45	54.0	9.55	AV	148.00	400	Horizontal	Pass
6	17182.839	55.87	0.59	74.0	18.13	Peak	314.00	150	Horizontal	Pass
6**	17182.839	47.23	0.59	54.0	6.77	AV	314.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.900	44.47	-17.52	74.0	29.53	Peak	74.00	400	Vertical	Pass
1**	1332.900	34.55	-17.52	54.0	19.45	AV	74.00	400	Vertical	Pass
2	2477.700	102.91	-12.08	74.0	-28.91	Peak	41.00	150	Vertical	N/A
2**	2477.700	94.89	-12.08	54.0	-40.89	AV	41.00	150	Vertical	N/A
3	5125.800	52.44	-1.84	74.0	21.56	Peak	327.00	150	Vertical	Pass
3**	5125.800	42.73	-1.84	54.0	11.27	AV	327.00	150	Vertical	Pass
4	6404.800	55.44	0.26	74.0	18.56	Peak	276.00	200	Vertical	Pass
4**	6404.800	45.67	0.26	54.0	8.33	AV	276.00	200	Vertical	Pass
5	12876.262	54.23	1.52	74.0	19.77	Peak	106.00	400	Vertical	Pass
5**	12876.262	44.99	1.52	54.0	9.01	AV	106.00	400	Vertical	Pass
6	17439.562	55.53	3.04	74.0	18.47	Peak	178.00	400	Vertical	Pass
6**	17439.562	46.73	3.04	54.0	7.27	AV	178.00	400	Vertical	Pass

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

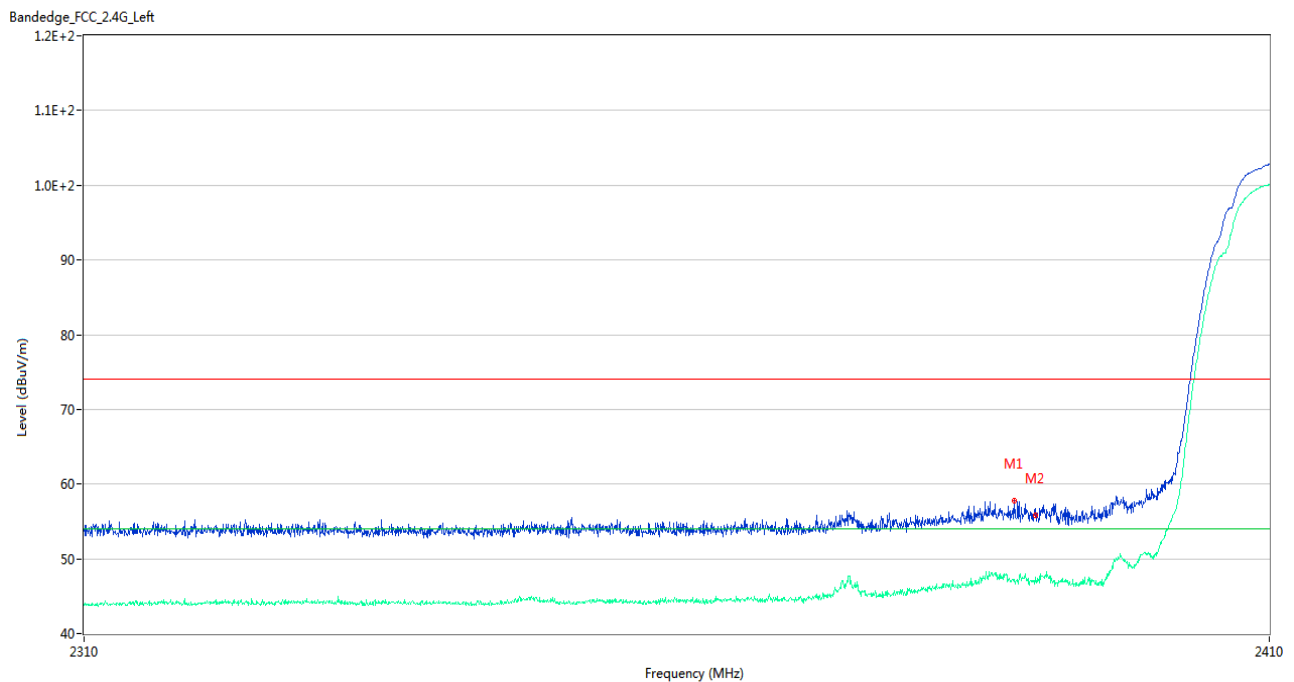
Note ¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

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.

Test Data and Plots

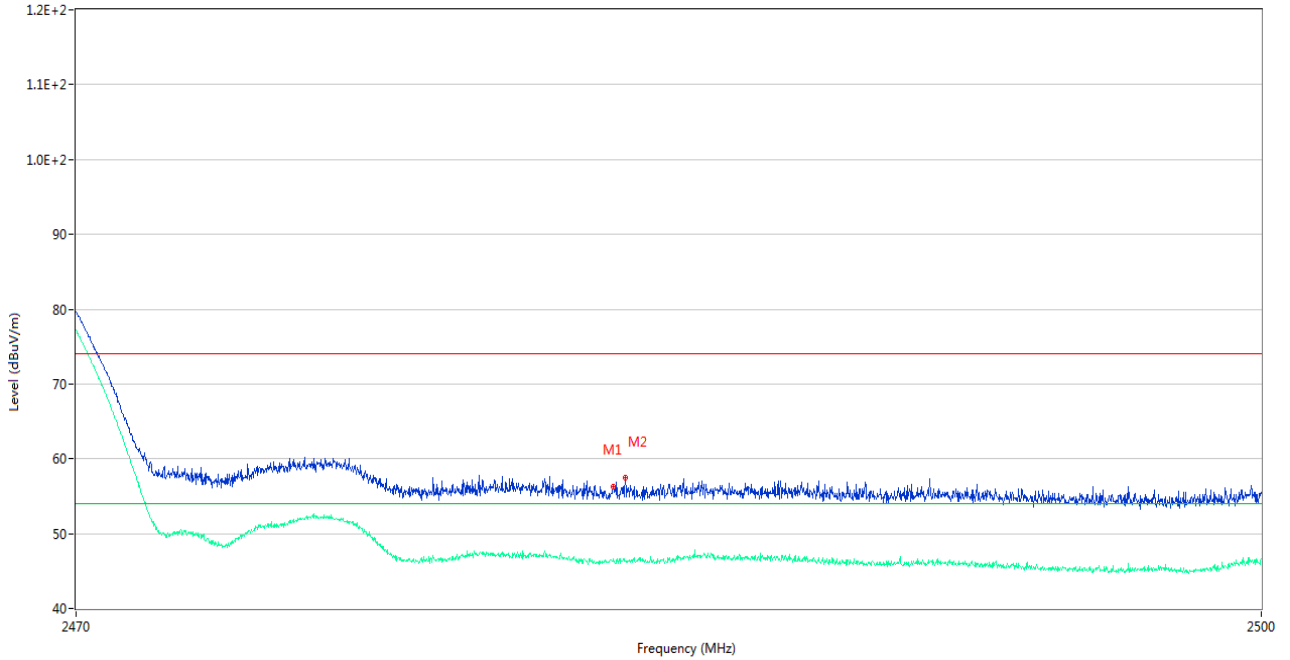
802.11b Channel 1



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.100	57.75	-0.65	74.0	16.25	Peak	70.00	200	Horizontal	Pass
1**	2388.100	46.96	-0.65	54.0	7.04	AV	70.00	200	Horizontal	Pass
2	2389.950	55.80	-0.59	74.0	18.20	Peak	81.00	150	Horizontal	Pass
2**	2389.950	46.97	-0.59	54.0	7.03	AV	81.00	150	Horizontal	Pass

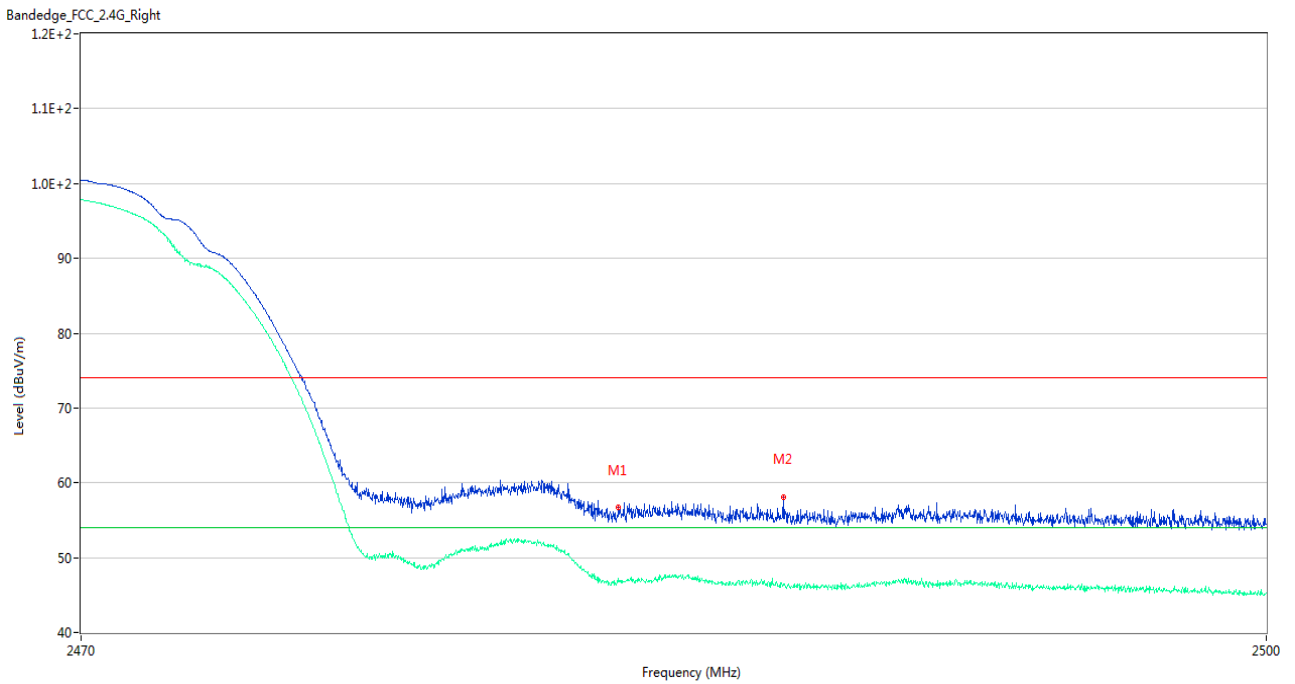
802.11b Channel 11

Bandedge_FCC_2.4G_Right



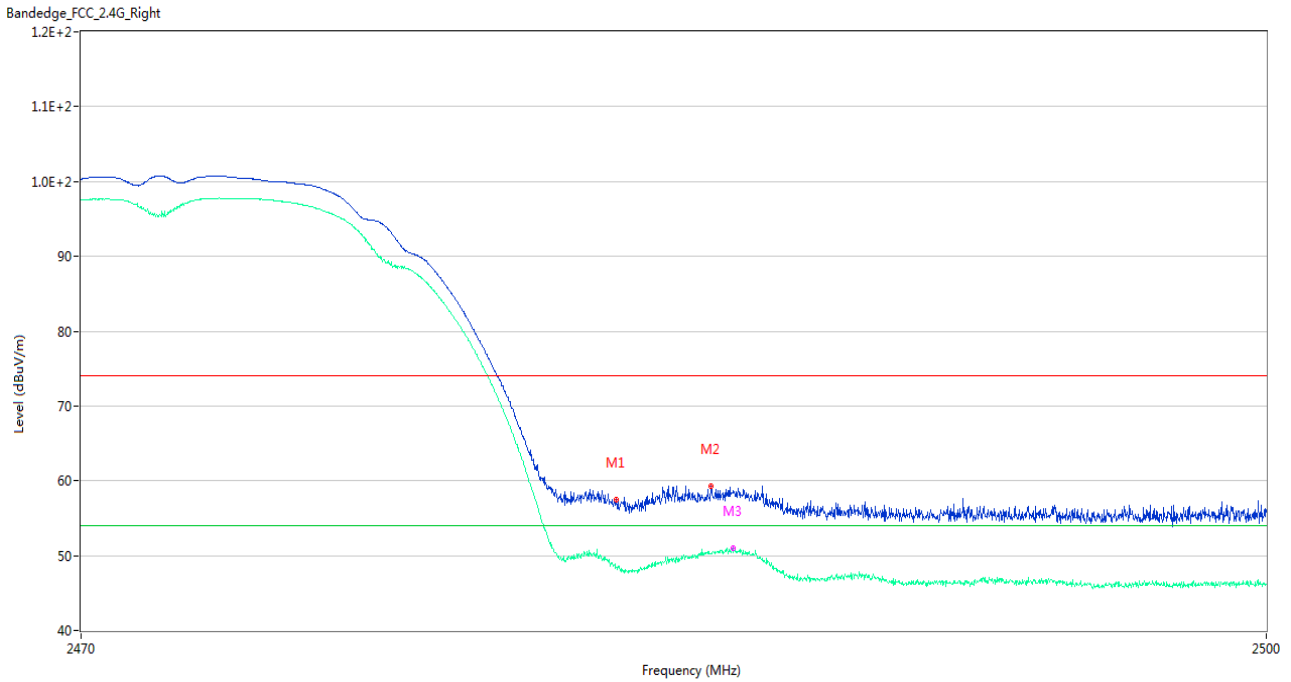
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.560	56.24	-0.06	74.0	17.76	Peak	58.00	150	Horizontal	Pass
1**	2483.560	46.62	-0.06	54.0	7.38	AV	58.00	150	Horizontal	Pass
2	2483.860	57.48	-0.09	74.0	16.52	Peak	63.00	200	Horizontal	Pass
2**	2483.860	46.32	-0.09	54.0	7.68	AV	63.00	200	Horizontal	Pass

802.11b Channel 12



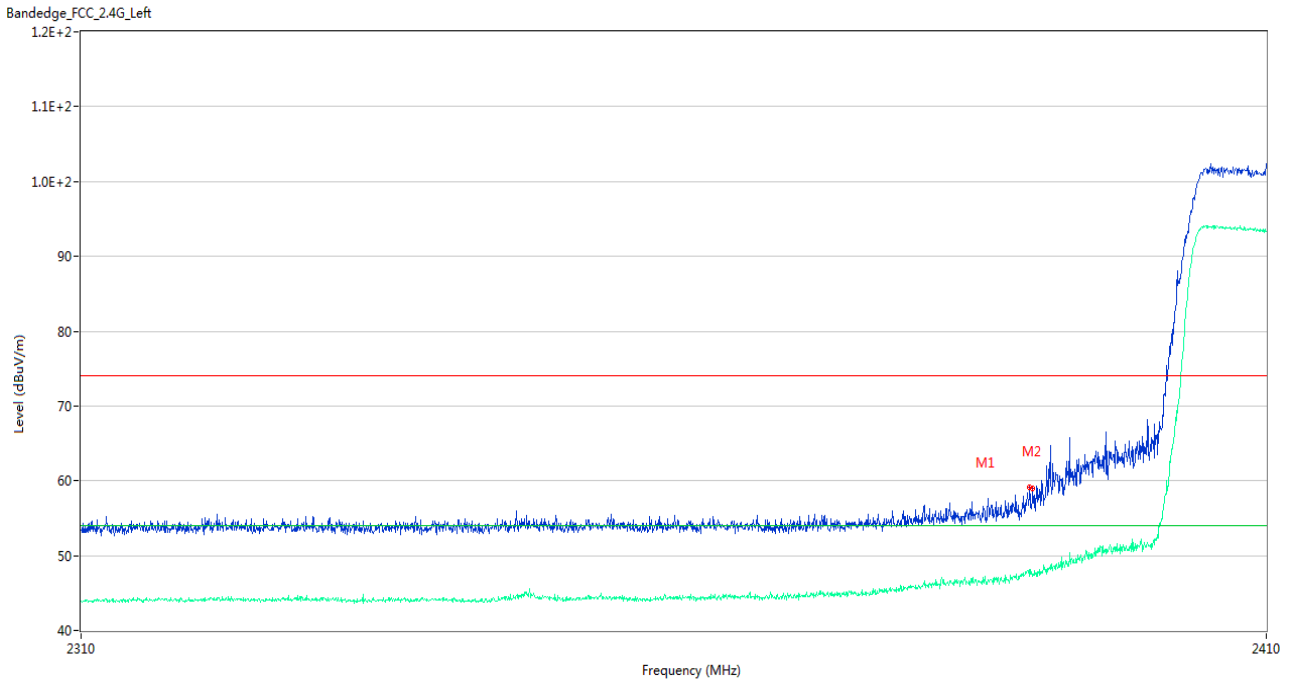
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.560	56.67	-0.06	74.0	17.33	Peak	276.00	150	Horizontal	Pass
1**	2483.560	47.22	-0.06	54.0	6.78	AV	276.00	150	Horizontal	Pass
2	2487.730	58.13	-0.13	74.0	15.87	Peak	73.00	100	Horizontal	Pass
2**	2487.730	46.25	-0.13	54.0	7.75	AV	73.00	100	Horizontal	Pass

802.11b Channel 13



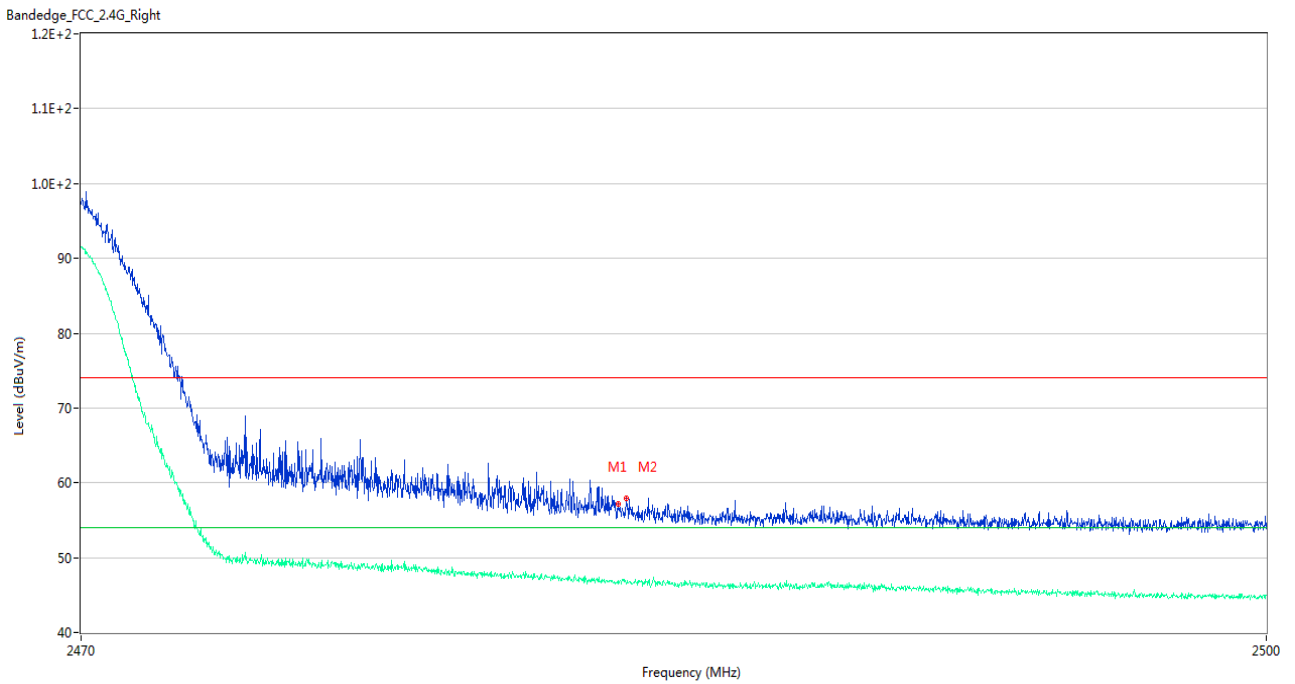
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	57.49	-0.05	74.0	16.51	Peak	57.00	150	Horizontal	Pass
1**	2483.500	48.38	-0.05	54.0	5.62	AV	57.00	150	Horizontal	Pass
2	2485.900	59.29	-0.20	74.0	14.71	Peak	273.00	200	Horizontal	Pass
2**	2485.900	50.20	-0.20	54.0	3.80	AV	273.00	200	Horizontal	Pass
3	2486.455	58.38	-0.22	74.0	15.62	Peak	271.00	150	Horizontal	Pass
3**	2486.455	50.93	-0.22	54.0	3.07	AV	271.00	150	Horizontal	Pass

802.11g Channel 1



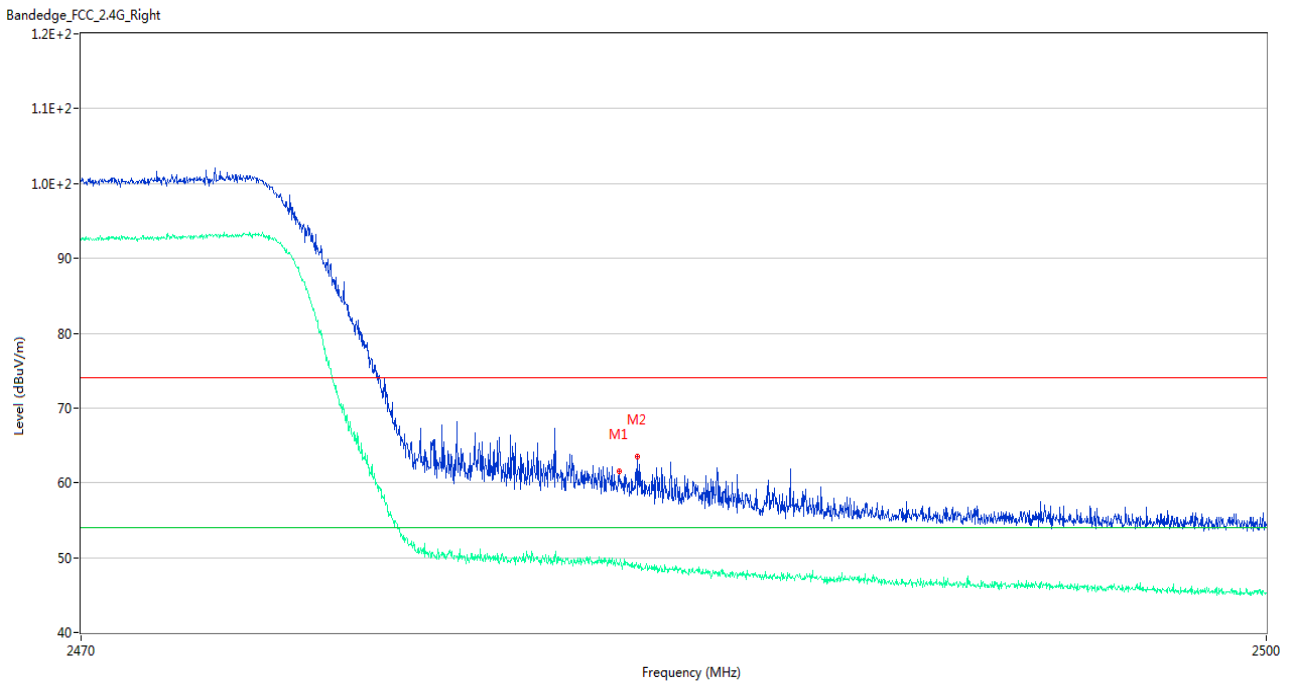
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.700	59.09	-0.60	74.0	14.91	Peak	66.00	200	Horizontal	Pass
1**	2389.700	47.24	-0.60	54.0	6.76	AV	66.00	200	Horizontal	Pass
2	2389.950	58.92	-0.59	74.0	15.08	Peak	74.00	150	Horizontal	Pass
2**	2389.950	47.51	-0.59	54.0	6.49	AV	74.00	150	Horizontal	Pass

802.11g Channel 11



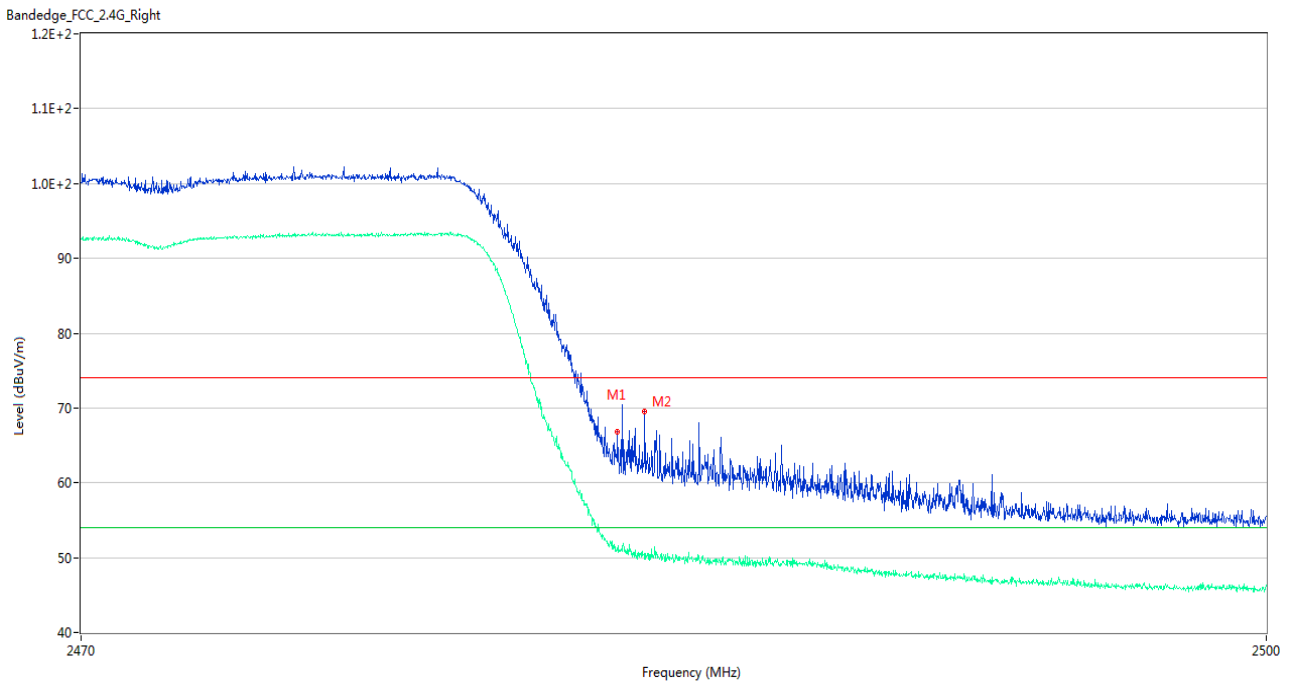
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.545	57.11	-0.06	74.0	16.89	Peak	270.00	150	Horizontal	Pass
1**	2483.545	46.87	-0.06	54.0	7.13	AV	270.00	150	Horizontal	Pass
2	2483.755	57.99	-0.08	74.0	16.01	Peak	53.00	150	Horizontal	Pass
2**	2483.755	46.45	-0.08	54.0	7.55	AV	53.00	150	Horizontal	Pass

802.11g Channel 12



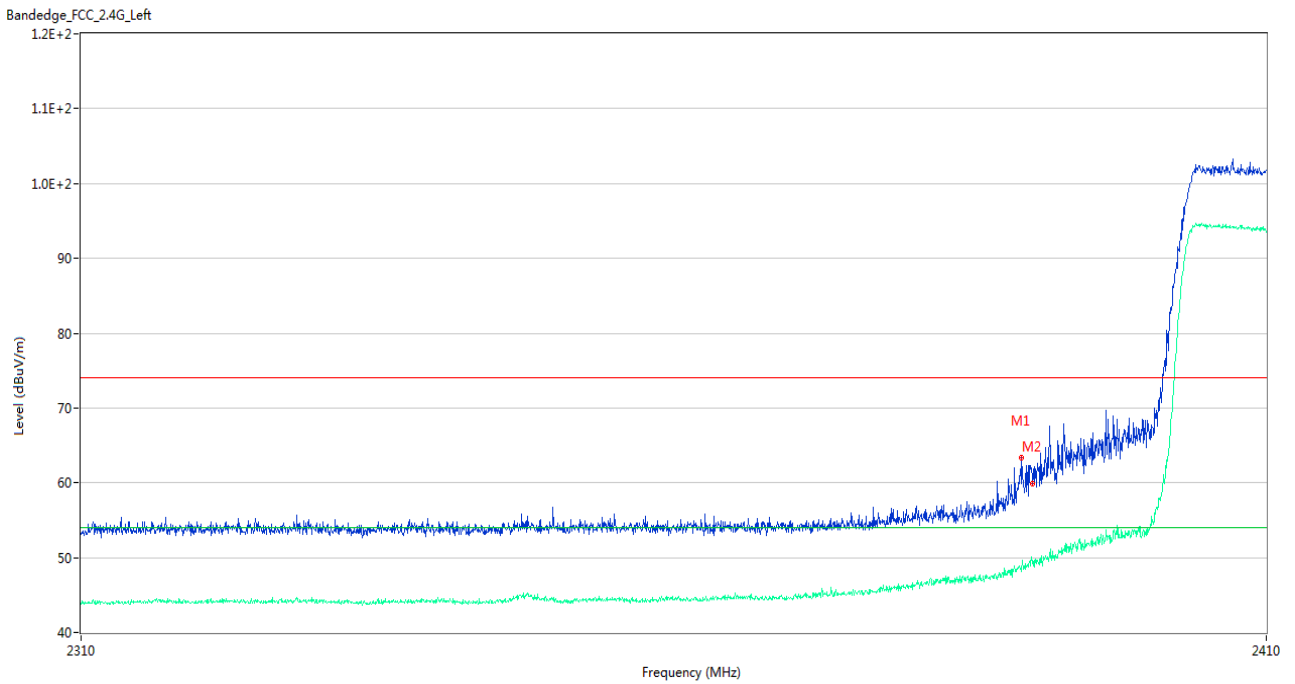
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.575	61.56	-0.06	74.0	12.44	Peak	69.00	150	Horizontal	Pass
1**	2483.575	49.18	-0.06	54.0	4.82	AV	69.00	150	Horizontal	Pass
2	2484.025	63.46	-0.10	74.0	10.54	Peak	281.00	150	Horizontal	Pass
2**	2484.025	48.67	-0.10	54.0	5.33	AV	281.00	150	Horizontal	Pass

802.11g Channel 13



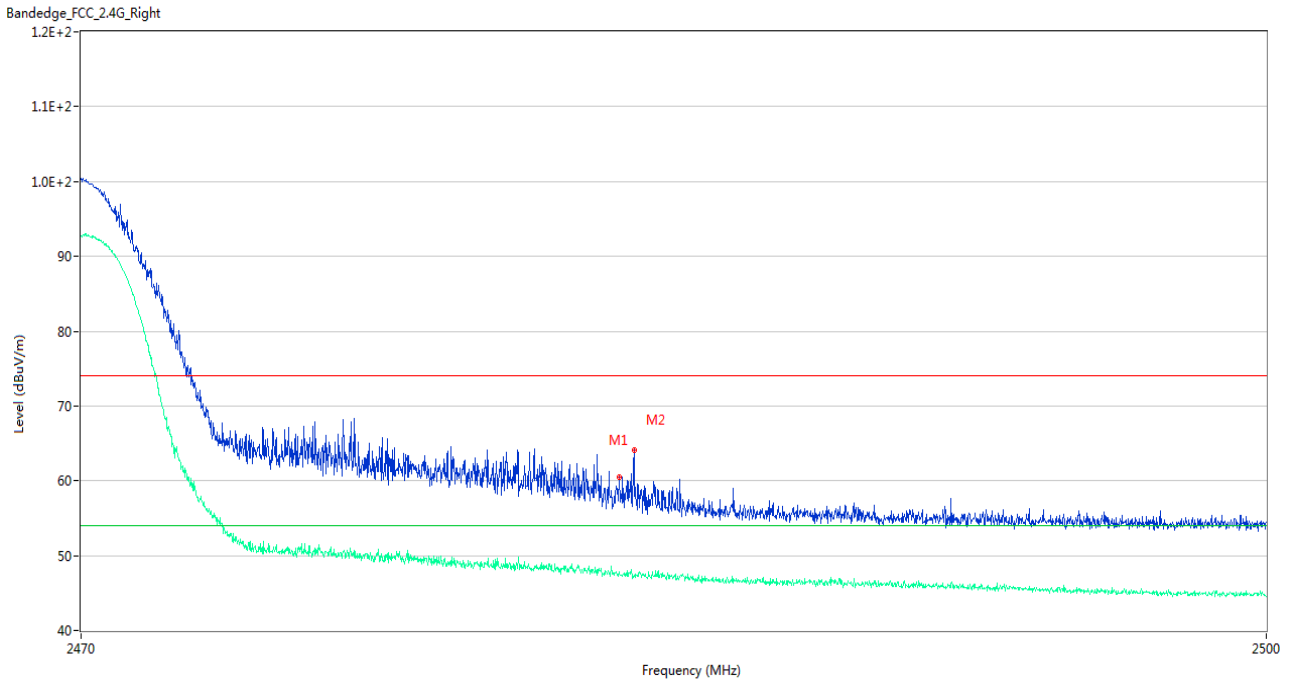
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.530	66.84	-0.05	74.0	7.16	Peak	270.00	200	Horizontal	Pass
1**	2483.530	50.94	-0.05	54.0	3.06	AV	270.00	200	Horizontal	Pass
2	2484.220	69.54	-0.12	74.0	4.46	Peak	279.00	100	Horizontal	Pass
2**	2484.220	49.81	-0.12	54.0	4.19	AV	279.00	100	Horizontal	Pass

802.11n20 Channel 1



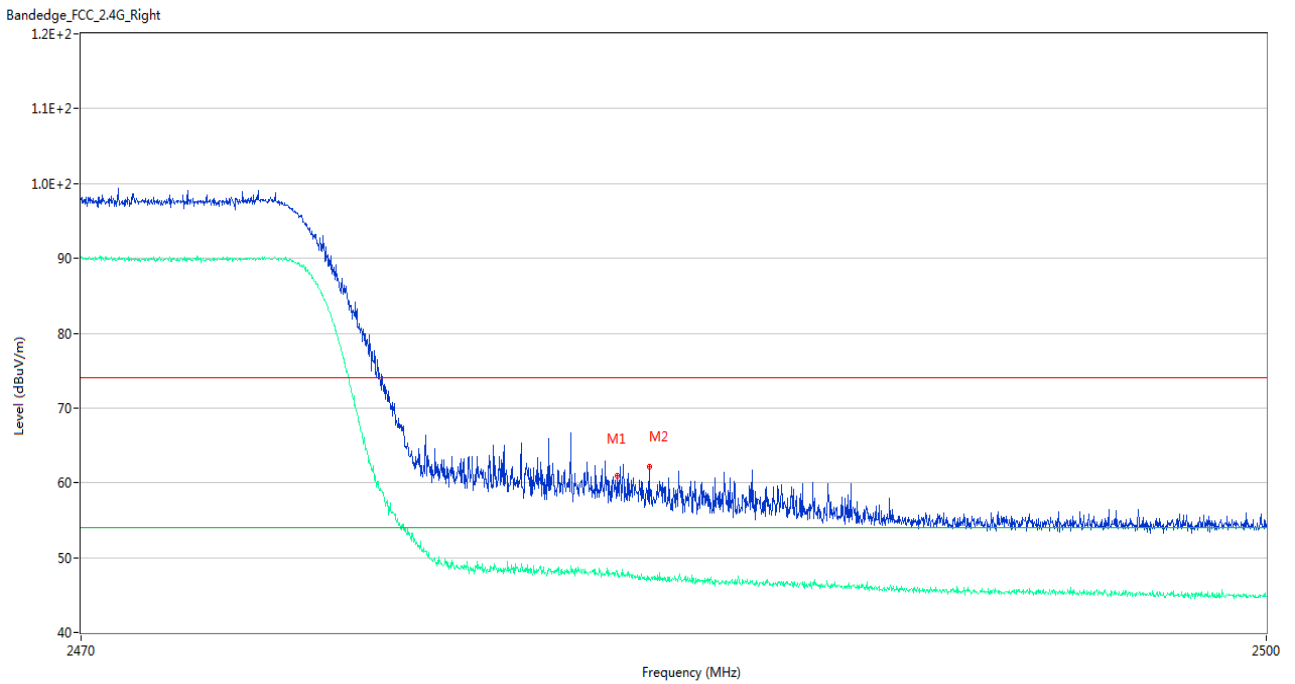
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.000	63.34	-0.62	74.0	10.66	Peak	64.00	200	Horizontal	Pass
1**	2389.000	48.58	-0.62	54.0	5.42	AV	64.00	200	Horizontal	Pass
2	2389.950	59.82	-0.59	74.0	14.18	Peak	75.00	150	Horizontal	Pass
2**	2389.950	49.33	-0.59	54.0	4.67	AV	75.00	150	Horizontal	Pass

802.11n20 Channel 11



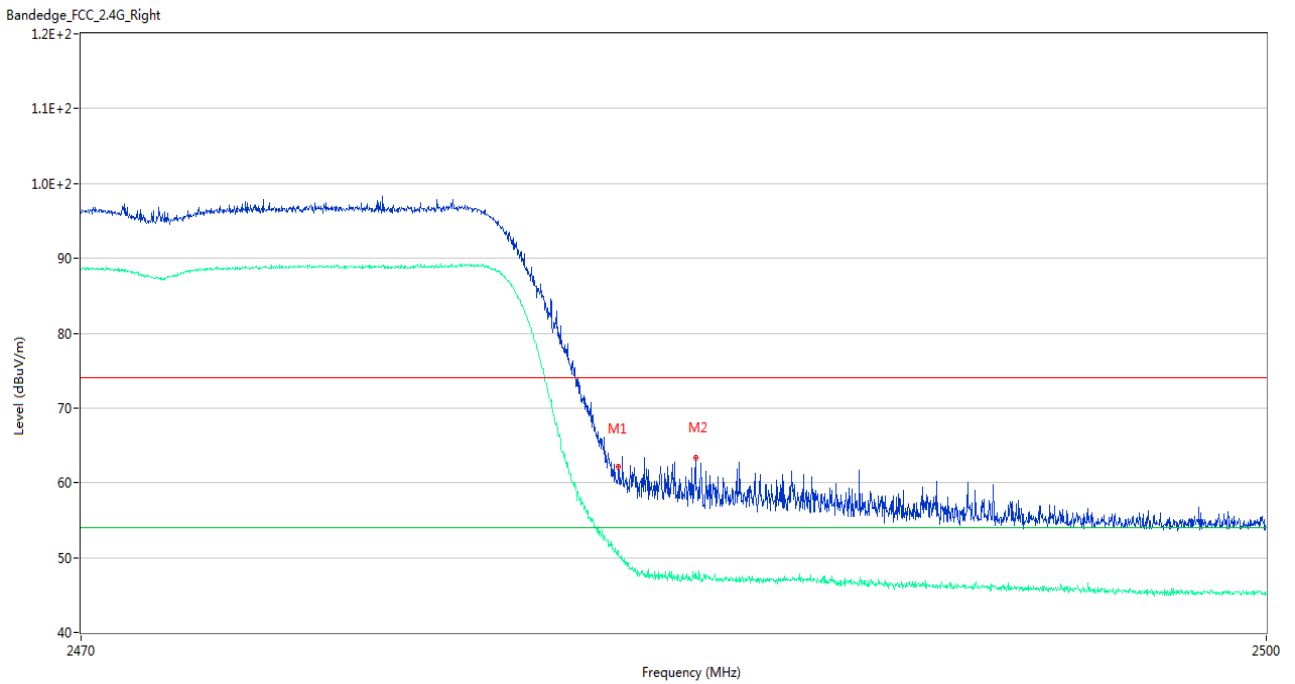
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.575	60.48	-0.06	74.0	13.52	Peak	72.00	200	Horizontal	Pass
1**	2483.575	47.77	-0.06	54.0	6.23	AV	72.00	200	Horizontal	Pass
2	2483.950	64.11	-0.09	74.0	9.89	Peak	66.00	200	Horizontal	Pass
2**	2483.950	47.43	-0.09	54.0	6.57	AV	66.00	200	Horizontal	Pass

802.11n20 Channel 12



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.515	60.95	-0.05	74.0	13.05	Peak	242.00	100	Horizontal	Pass
1**	2483.515	48.06	-0.05	54.0	5.94	AV	242.00	100	Horizontal	Pass
2	2484.340	62.13	-0.13	74.0	11.87	Peak	235.00	150	Horizontal	Pass
2**	2484.340	47.22	-0.13	54.0	6.78	AV	235.00	150	Horizontal	Pass

802.11n20 Channel 13



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.560	62.20	-0.06	74.0	11.80	Peak	249.00	200	Horizontal	Pass
1**	2483.560	50.33	-0.06	54.0	3.67	AV	249.00	200	Horizontal	Pass
2	2485.510	63.37	-0.18	74.0	10.63	Peak	252.00	150	Horizontal	Pass
2**	2485.510	47.23	-0.18	54.0	6.77	AV	252.00	150	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH1	-7.38	8
CH6	-11.27	8
CH11	-8.68	8
CH12	-8.17	8
CH13	-9.17	8

802.11g Mode:

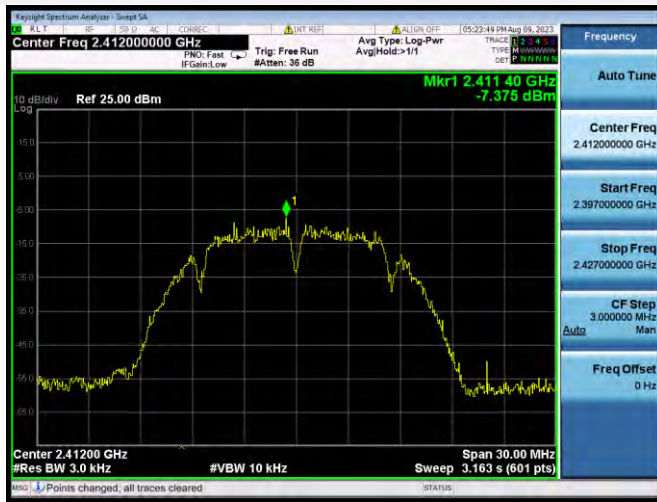
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH1	-14.85	8
CH6	-15.19	8
CH11	-14.94	8
CH12	-15.12	8
CH13	-14.72	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
CH1	-15.35	8
CH6	-14.91	8
CH11	-15.32	8
CH12	-13.35	8
CH13	-15.88	8

Test Plots

802.11b CHANNEL 1



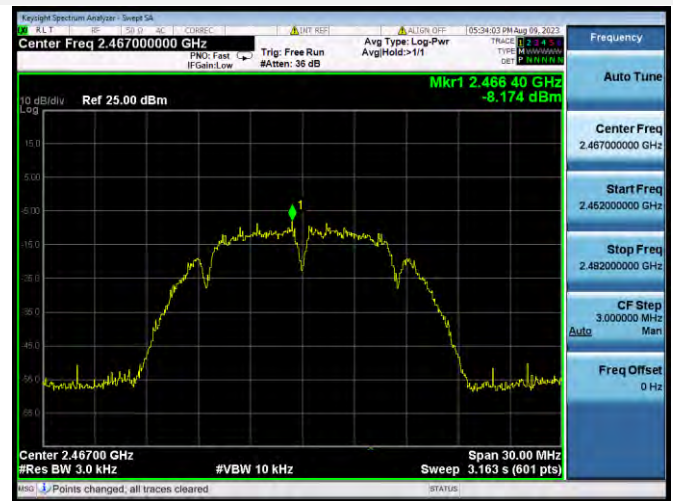
802.11b CHANNEL 6



802.11b CHANNEL 11



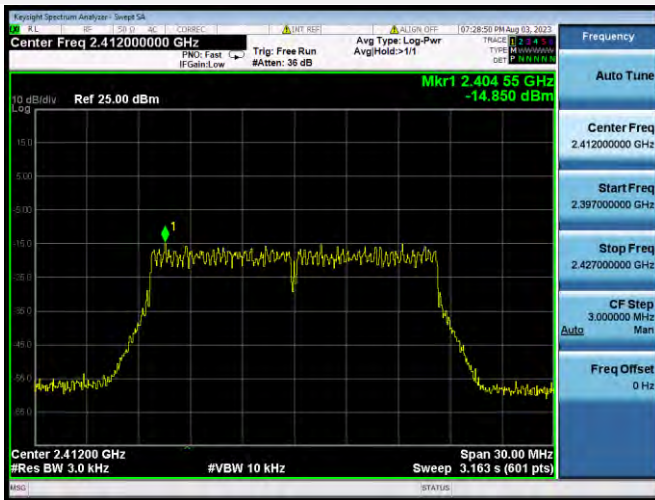
802.11b CHANNEL 12



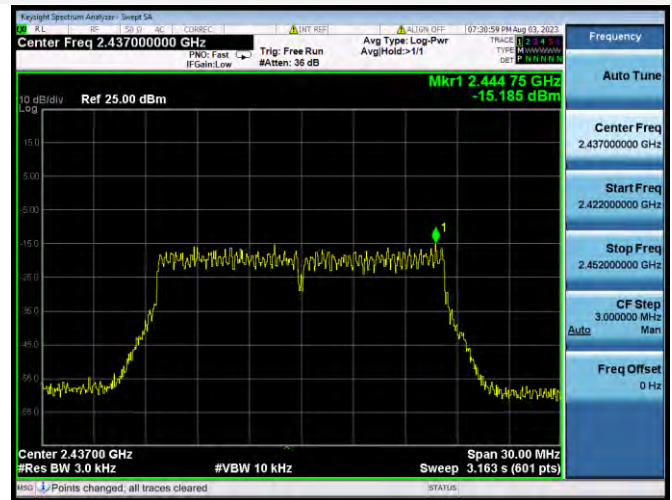
802.11b CHANNEL 13



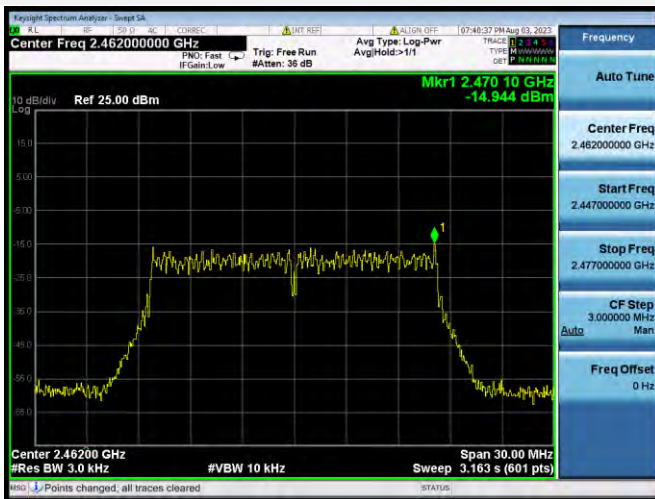
802.11g CHANNEL 1



802.11g CHANNEL 6



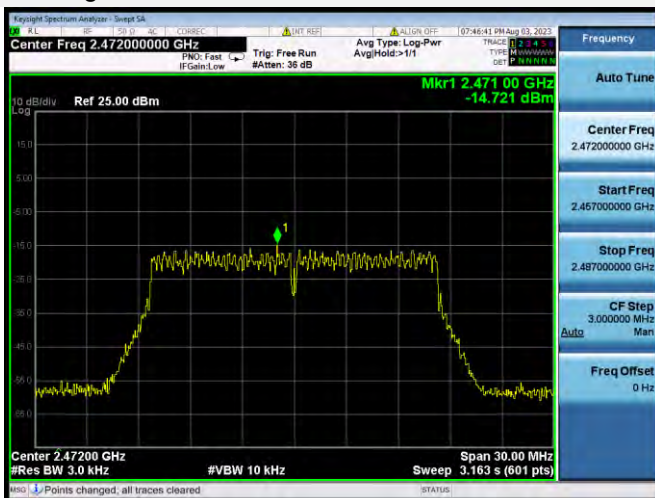
802.11g CHANNEL 11



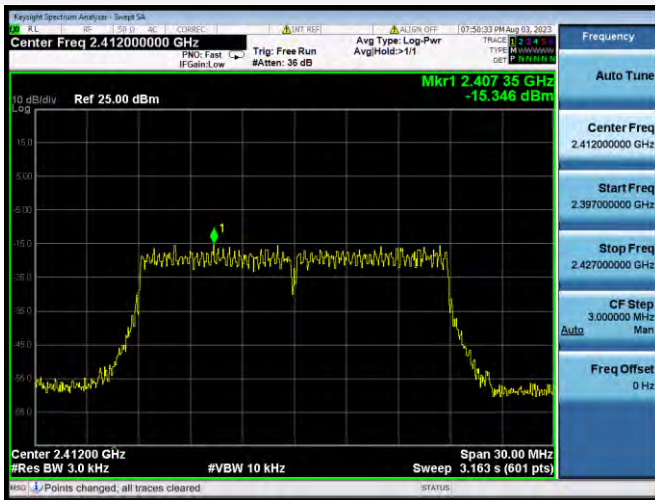
802.11g CHANNEL 12



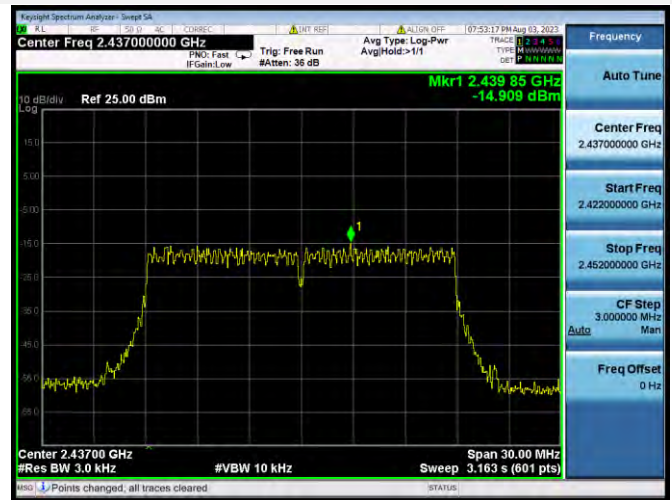
802.11g CHANNEL 13



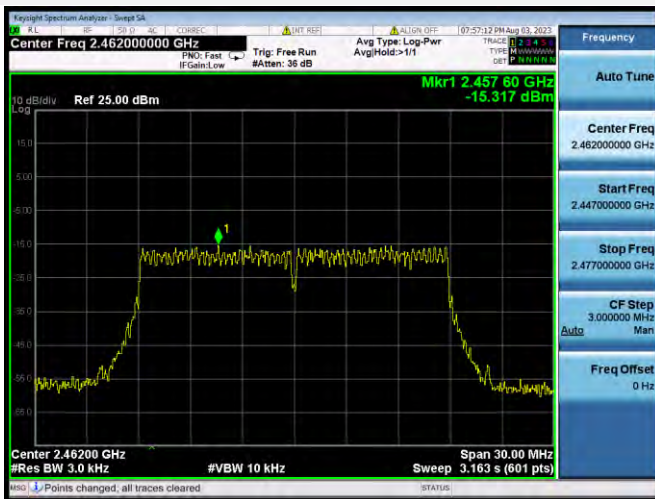
802.11n-20 MHz CHANNEL 1



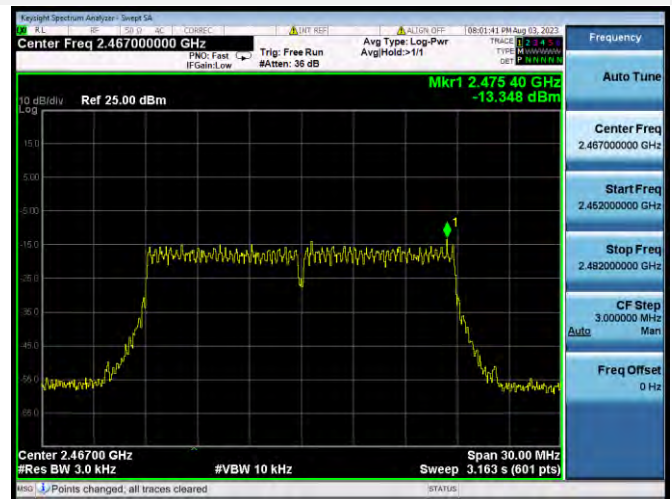
802.11n-20 MHz CHANNEL 6



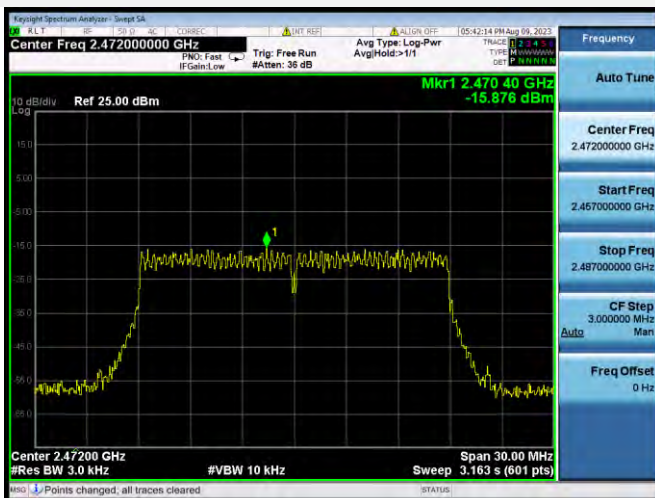
802.11n-20 MHz CHANNEL 11



802.11n-20 MHz CHANNEL 12



802.11n-20 MHz CHANNEL 13



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2380138-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2380138-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2380138-AI.PDF”.

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--END OF REPORT--