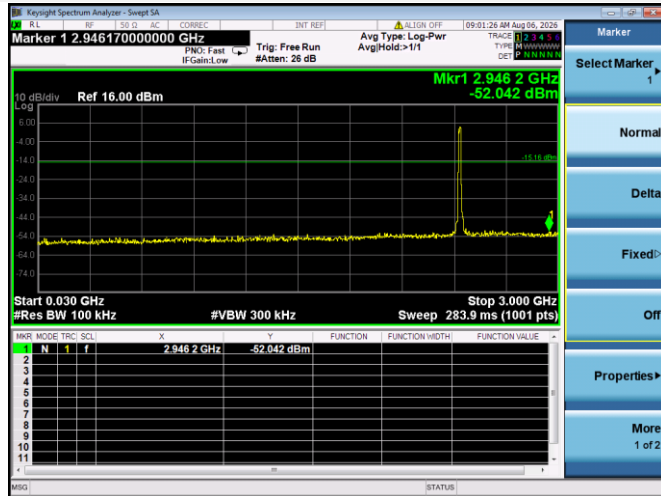
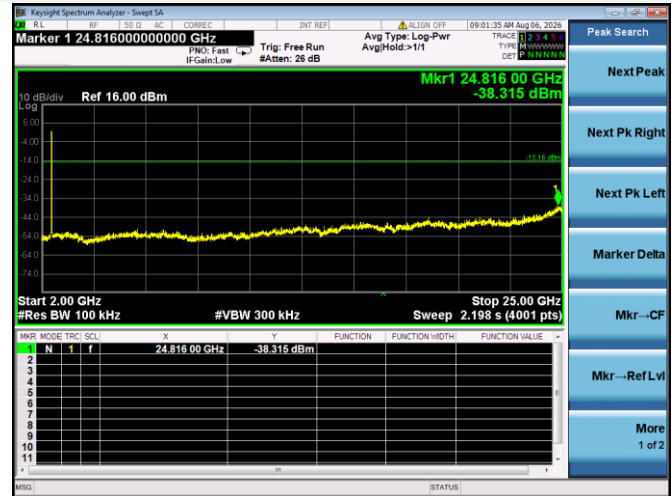


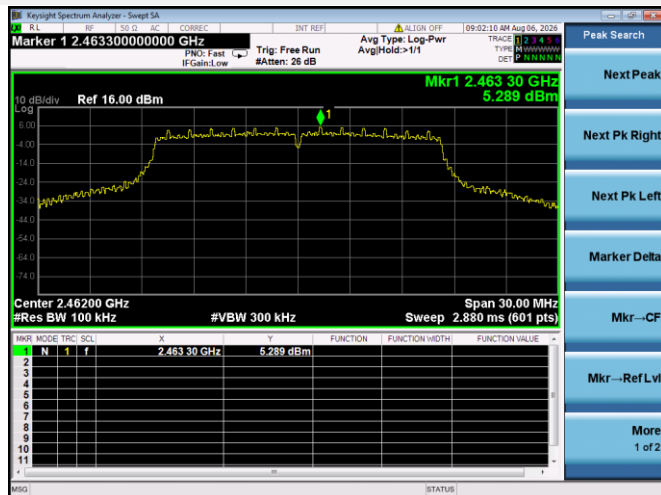
802.11g MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



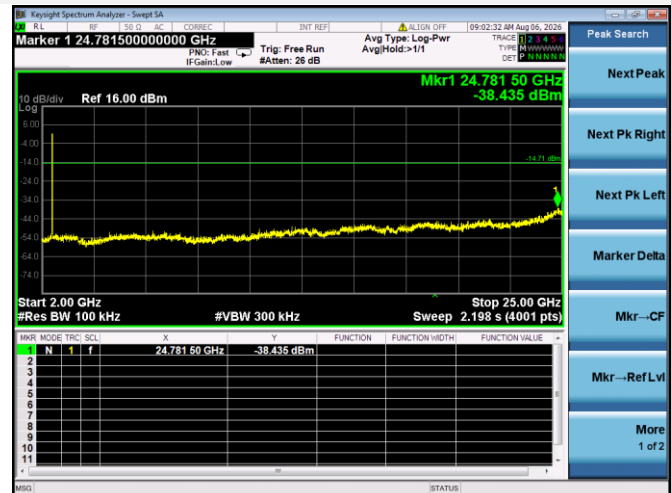
802.11g MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



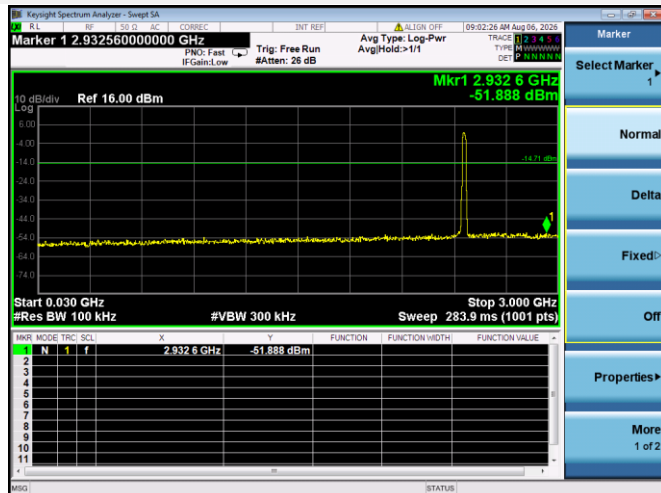
802.11g HIGH CHANNEL CARRIER LEVEL



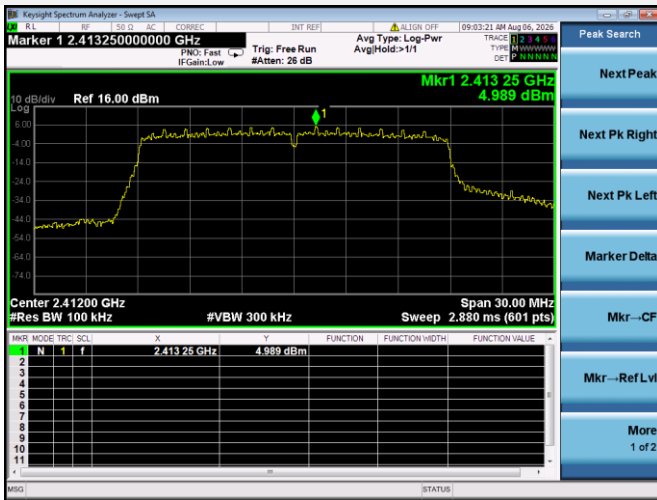
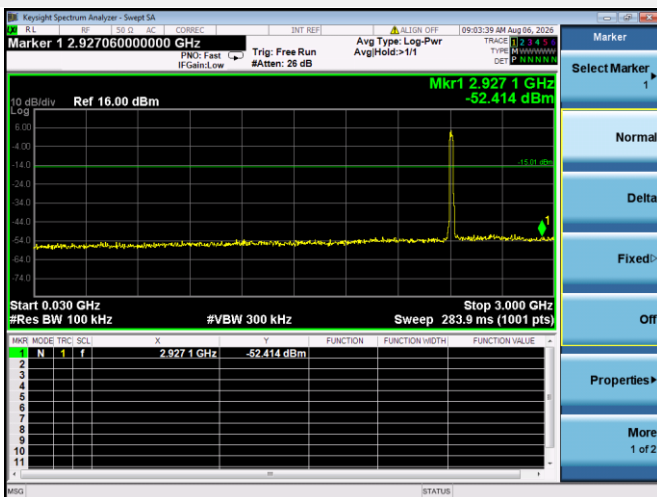
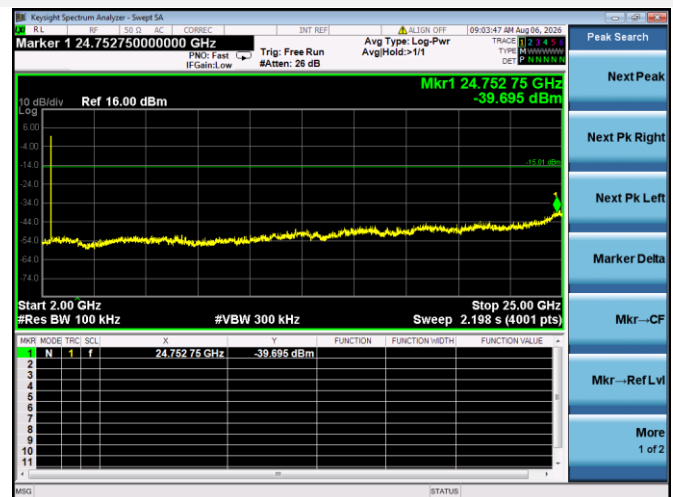
802.11g HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



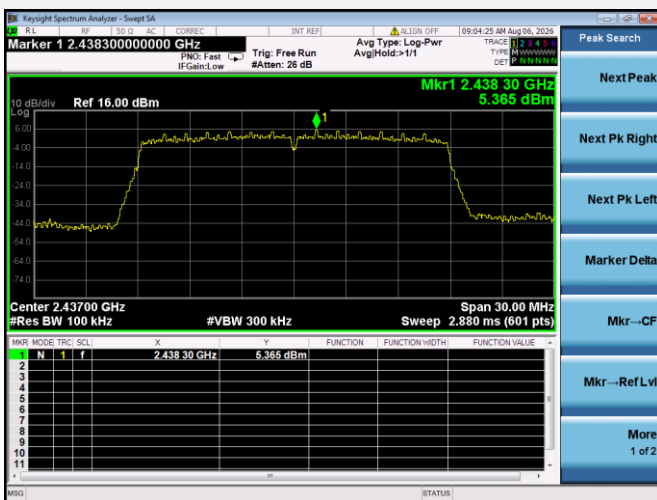
802.11g HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



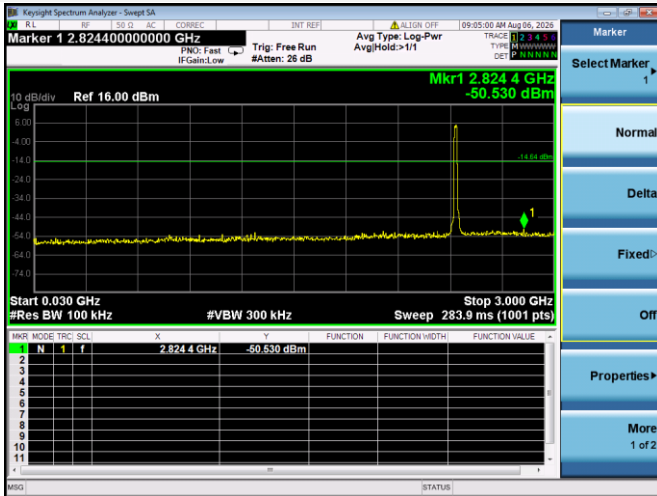
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

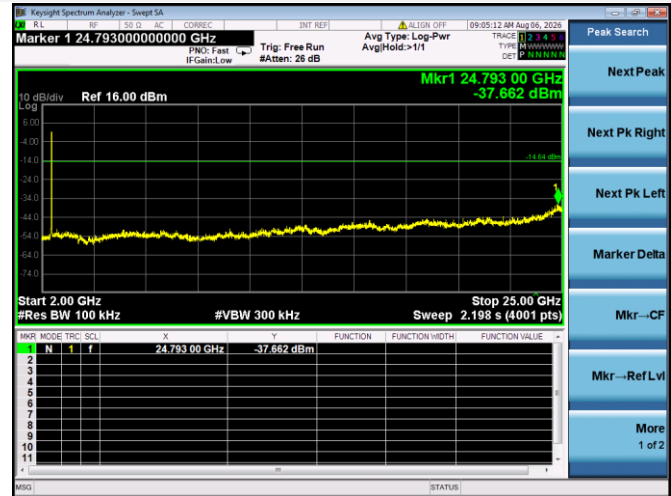
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



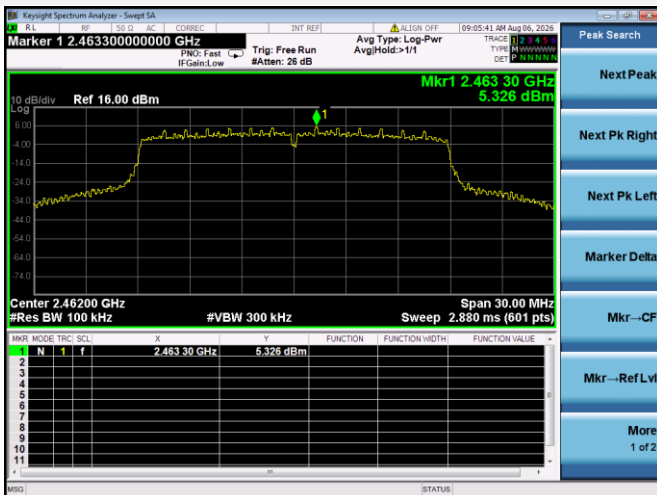
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



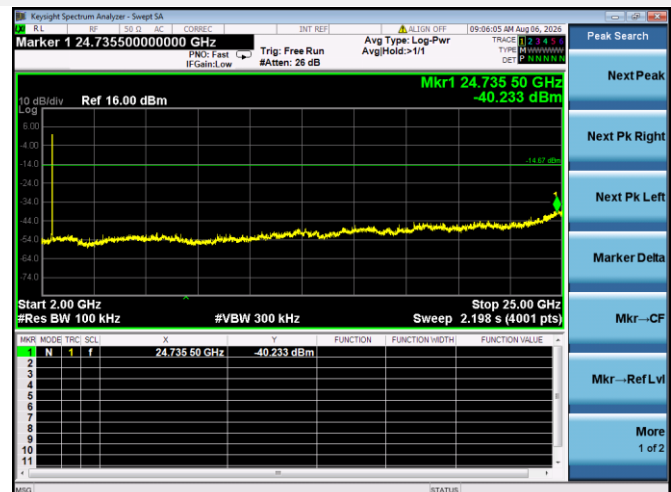
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



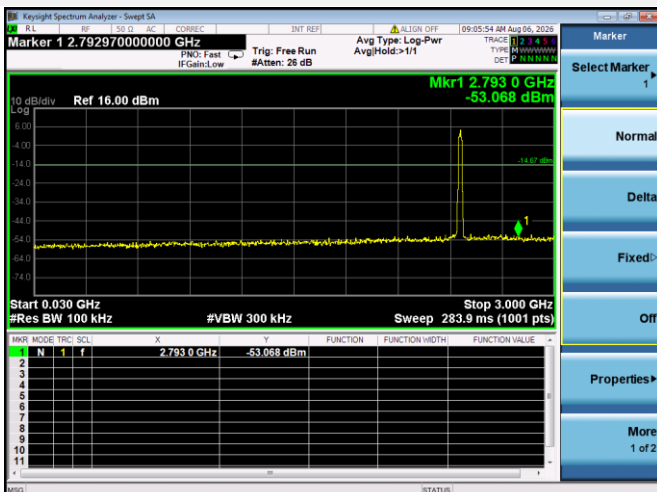
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



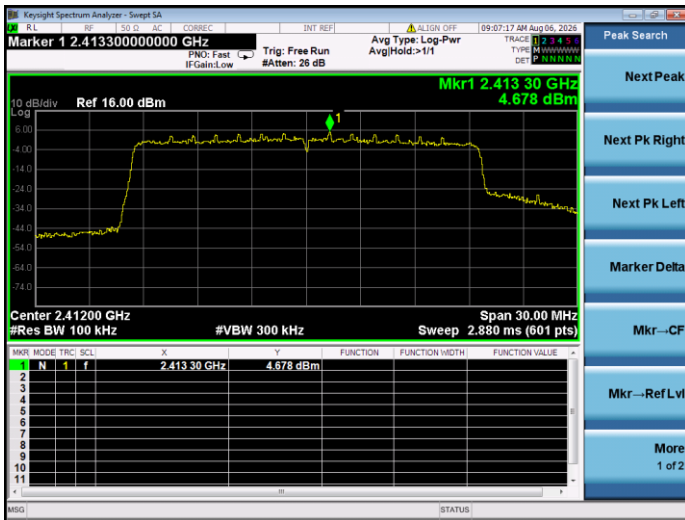
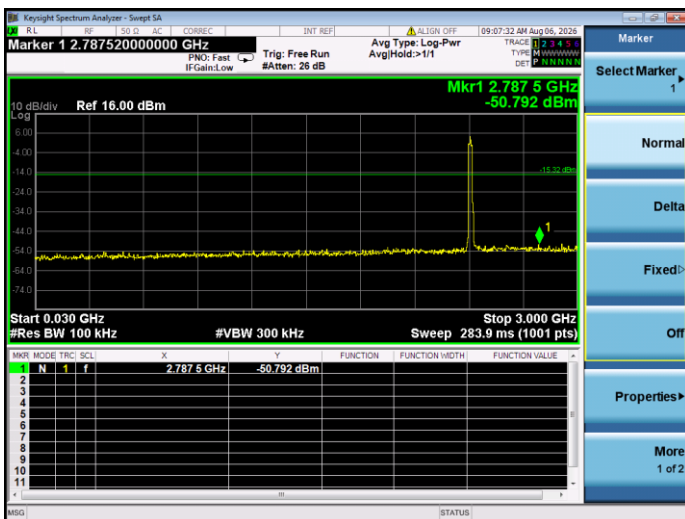
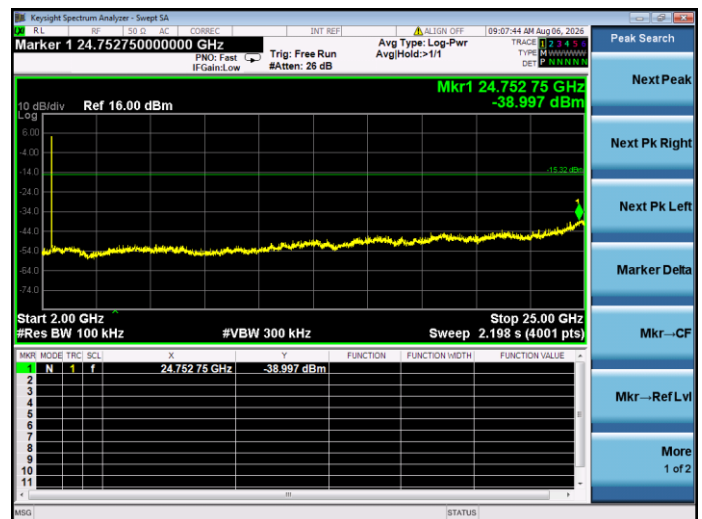
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



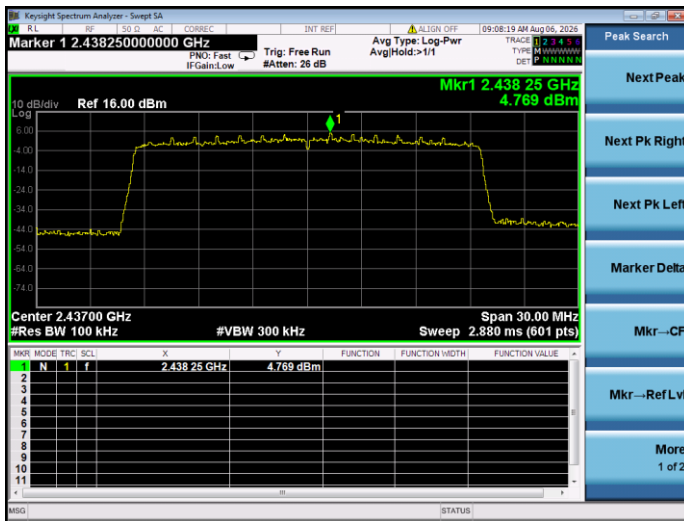
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



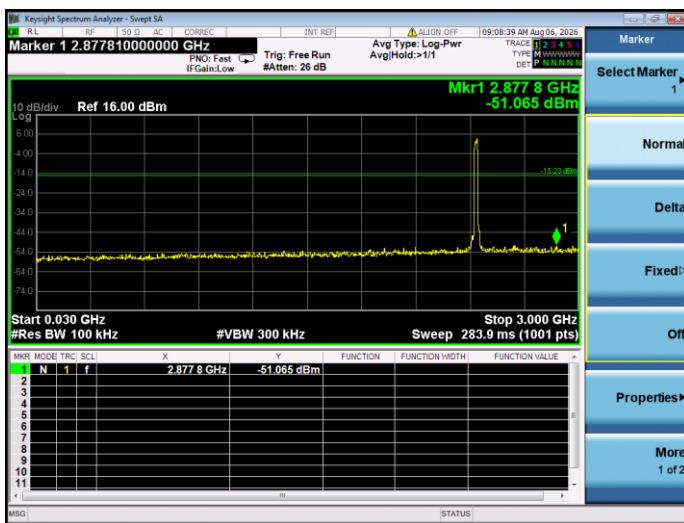
802.11ax-20 MHz(SU) LOW CHANNEL CARRIER LEVEL

802.11ax-20 MHz(SU) LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11ax-20 MHz(SU) LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

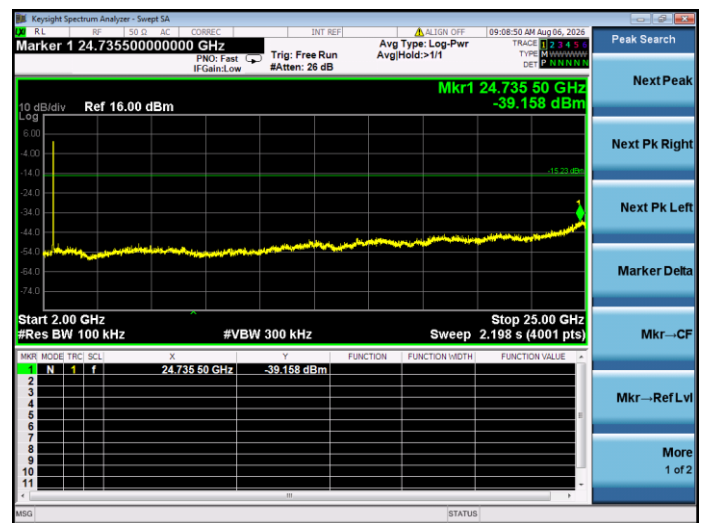
802.11ax-20 MHz(SU) MIDDLE CHANNEL CARRIER LEVEL



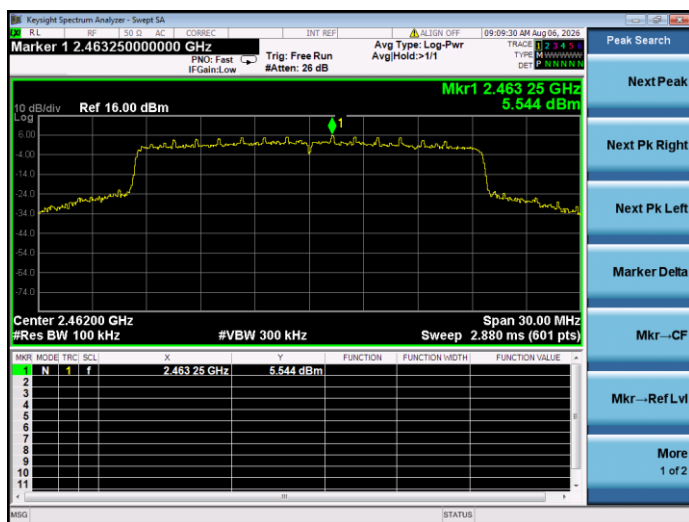
802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



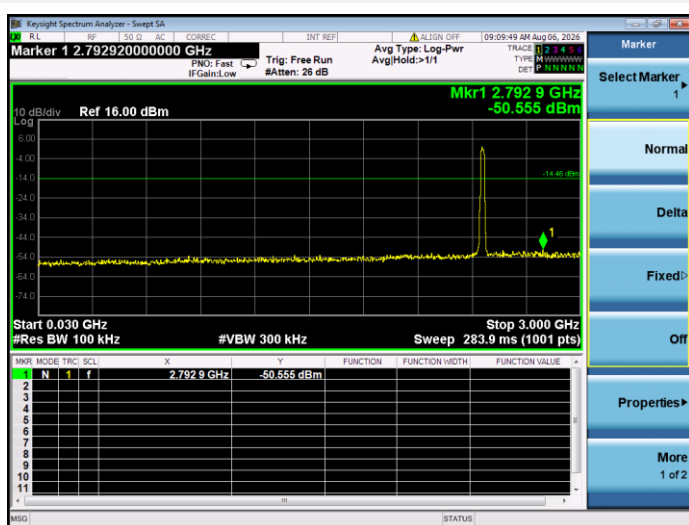
802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



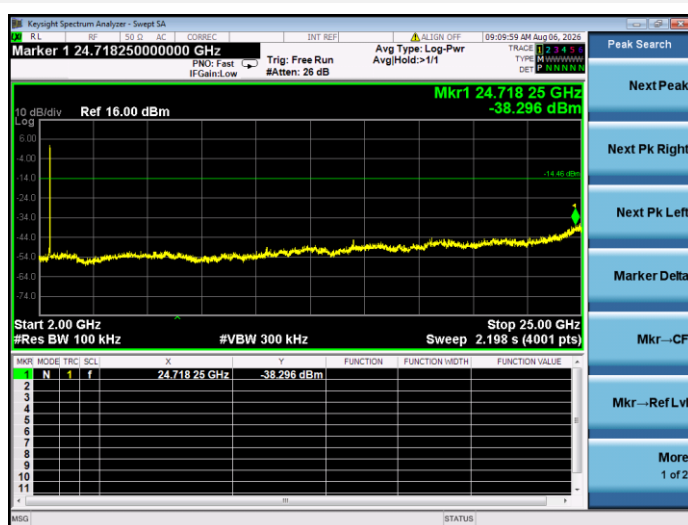
802.11ax-20 MHz(SU) HIGH CHANNEL CARRIER LEVEL



802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



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

Note¹: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note³: All antenna were pre tested, but only the worst case 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 Channel	-41.56	7.36	-12.64	Pass
High Channel	-46.00	7.09	-12.92	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-44.24	5.09	-14.91	Pass
High Channel	-50.92	5.29	-14.71	Pass

802.11n-20 MHz Mode:

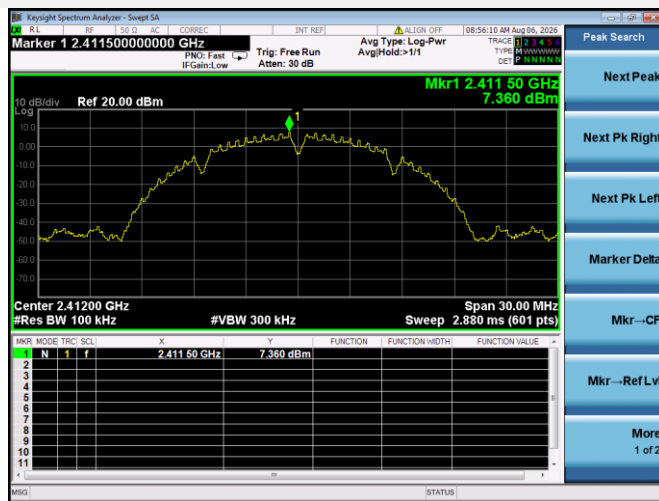
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-44.18	4.99	-15.01	Pass
High Channel	-51.79	5.33	-14.67	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-43.18	4.68	-15.32	Pass
High Channel	-49.82	5.54	-14.46	Pass

Test Plots

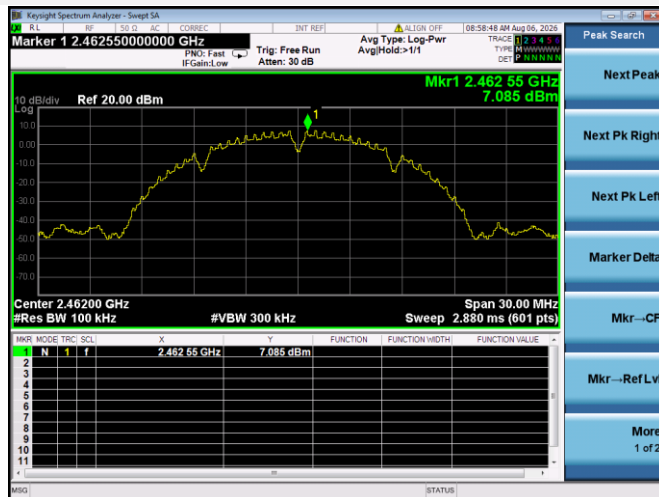
802.11b LOW CHANNEL, CARRIER LEVEL



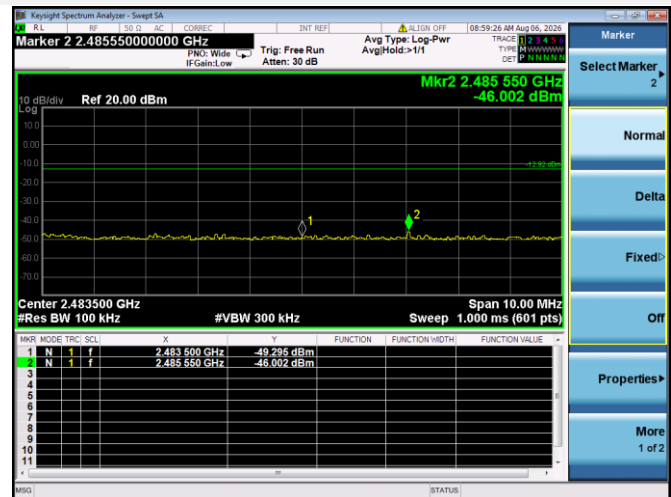
802.11b LOW CHANNEL, BAND EDGE



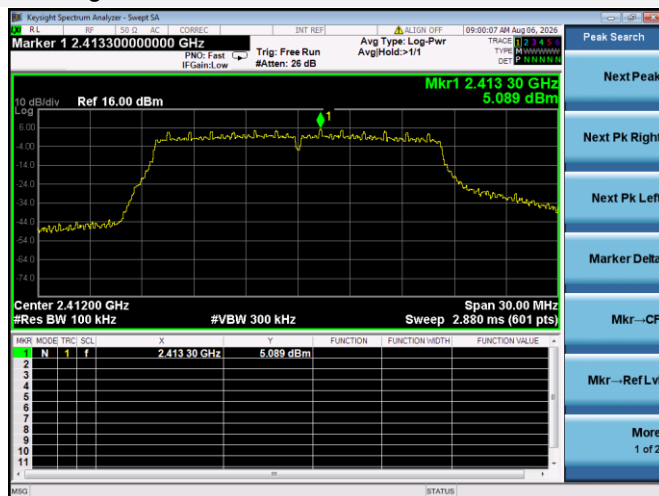
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



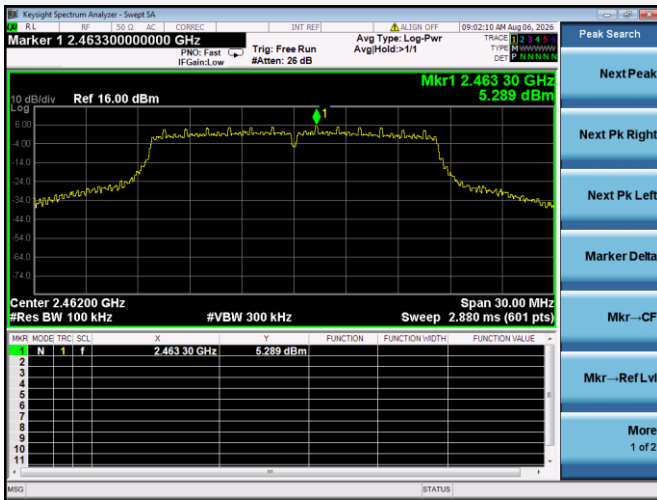
802.11g LOW CHANNEL, CARRIER LEVEL



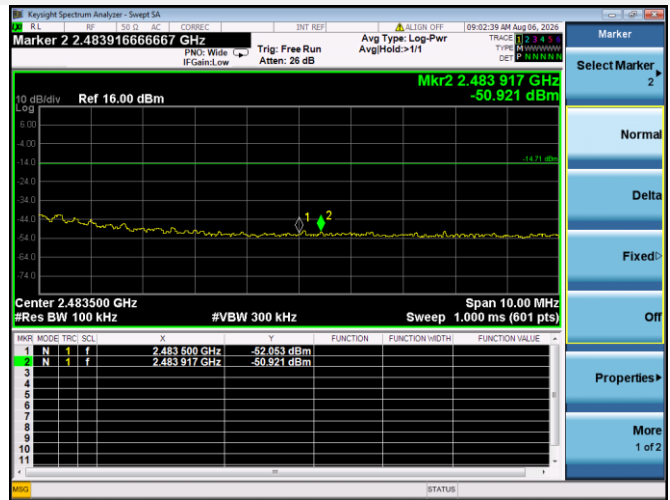
802.11g LOW CHANNEL, BAND EDGE



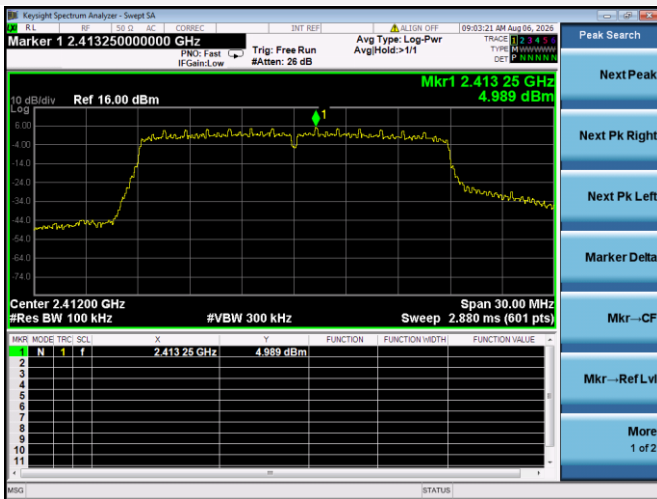
802.11g HIGH CHANNEL, CARRIER LEVEL



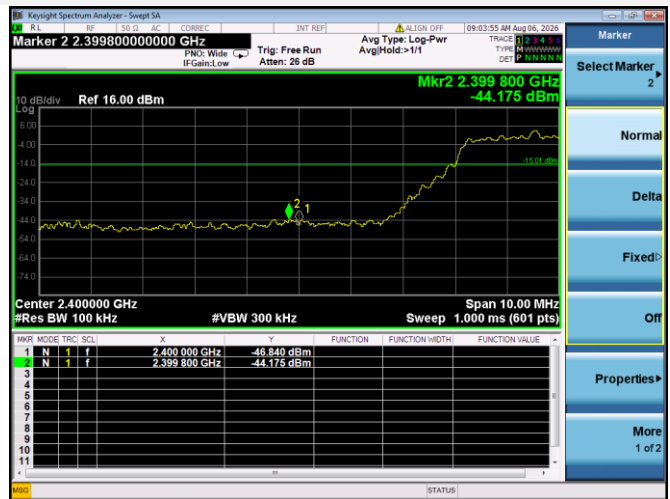
802.11g HIGH CHANNEL, BAND EDGE



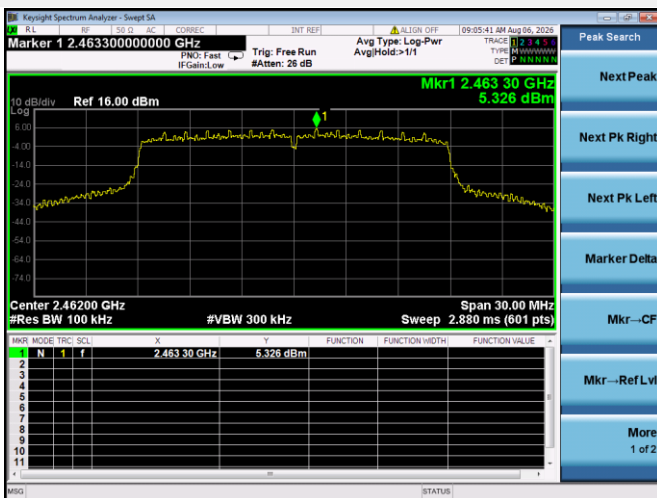
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



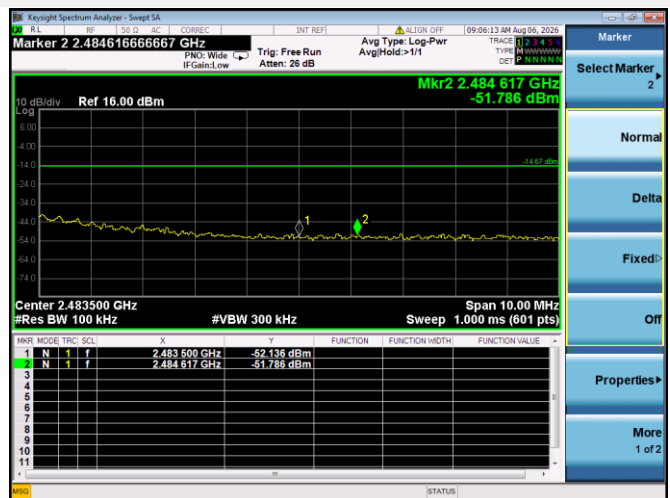
802.11n-20 MHz LOW CHANNEL, BAND EDGE



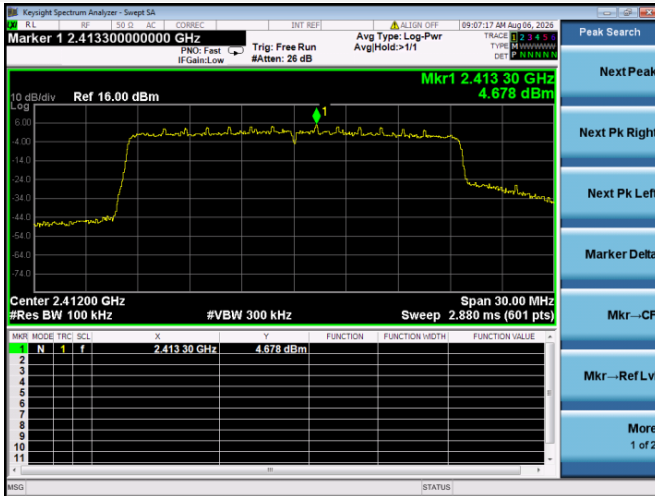
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



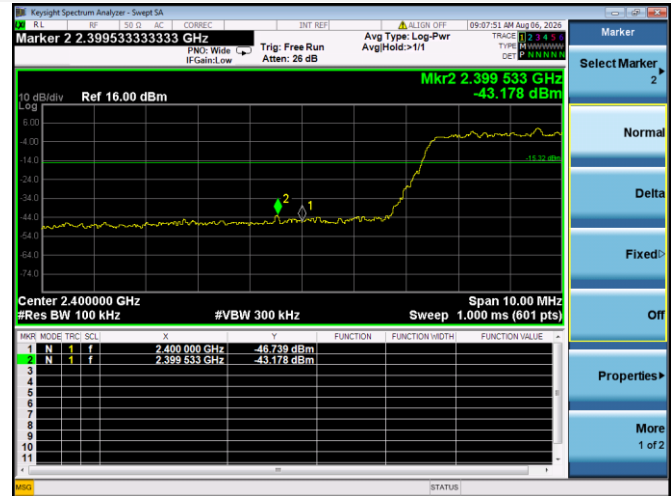
802.11n-20 MHz HIGH CHANNEL, BAND EDGE



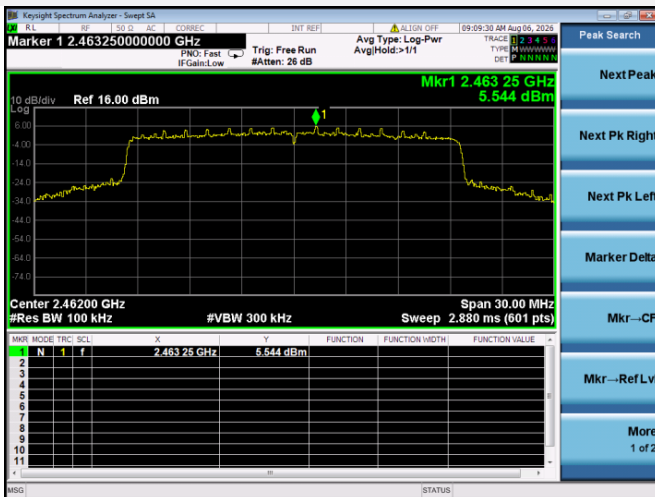
802.11ax-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL



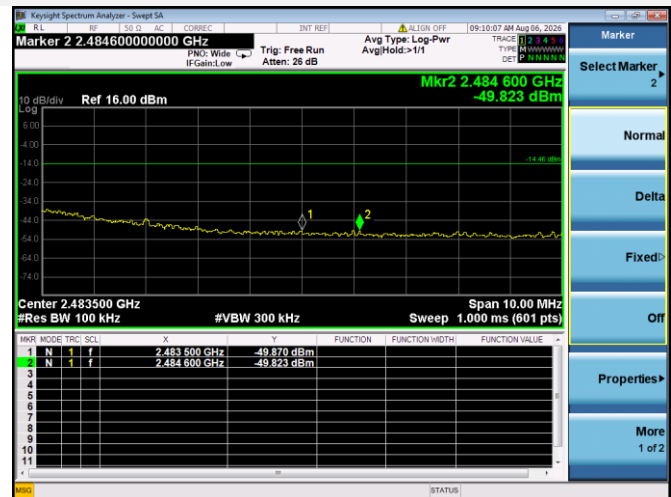
802.11ax-20 MHz(SU) LOW CHANNEL, BAND EDGE



802.11ax-20 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



802.11ax-20 MHz(SU) HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

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

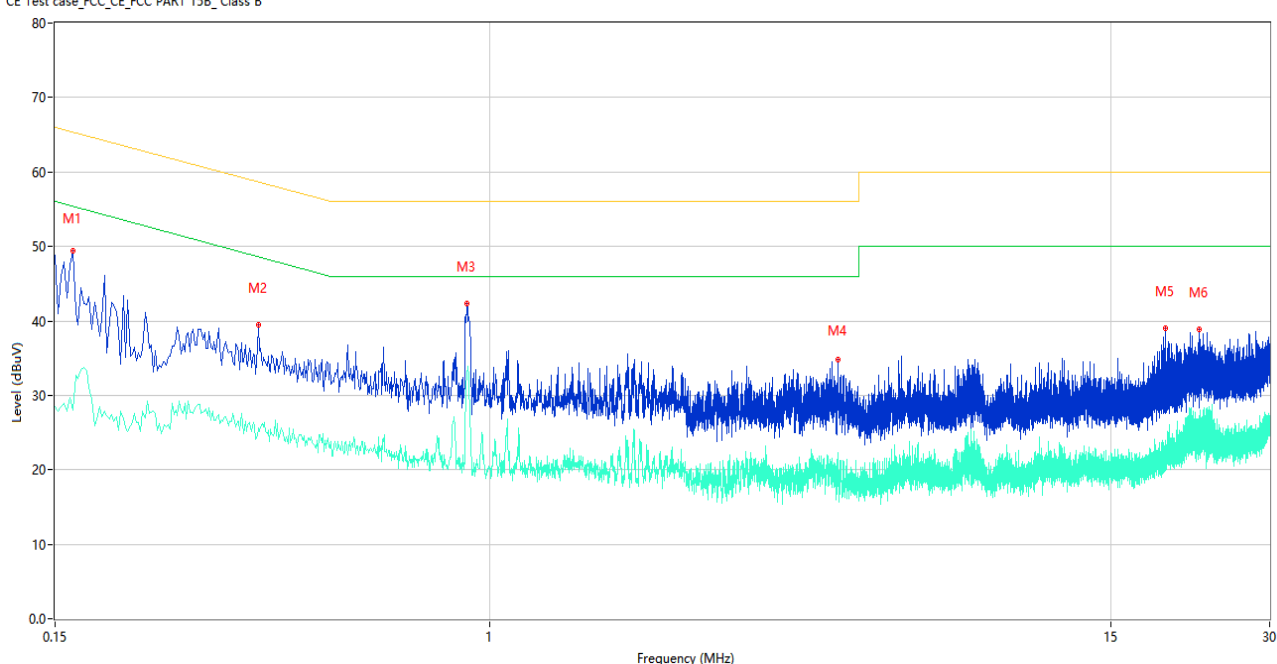
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

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

Test Data and Plots

PHASE L

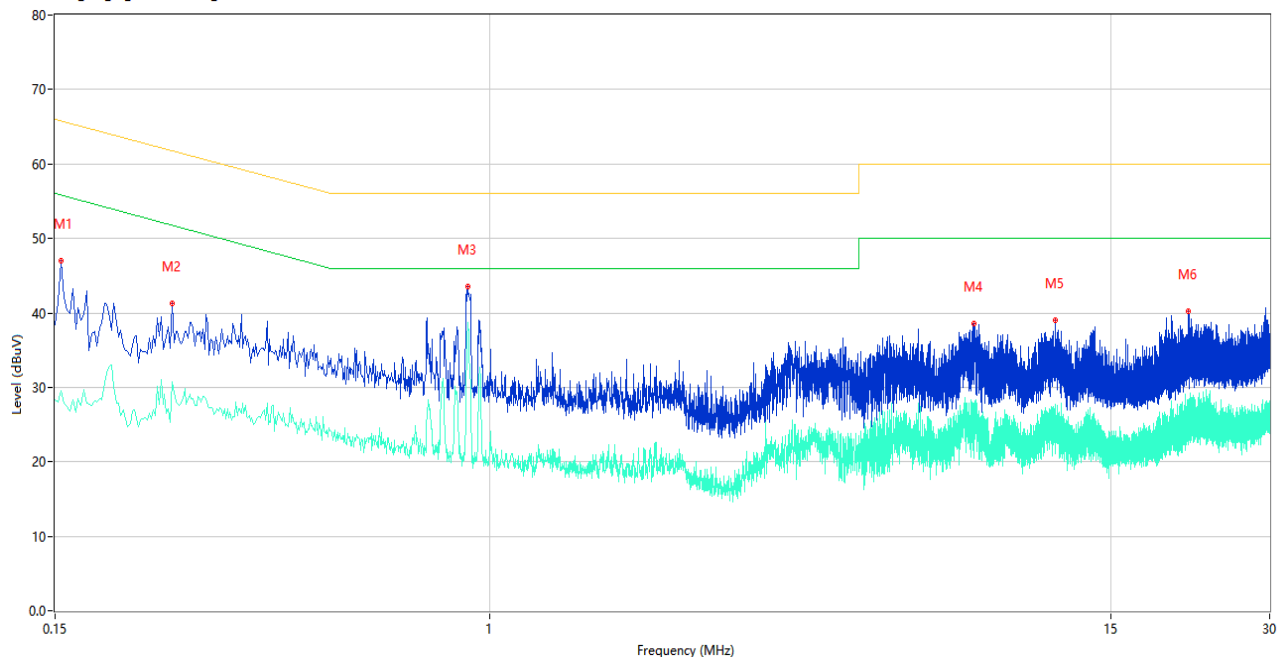
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.162	49.39	10.23	65.36	15.97	Peak	L	Pass
1**	0.162	28.07	10.23	55.36	27.29	AV	L	Pass
2	0.364	39.51	10.24	58.64	19.13	Peak	L	Pass
2**	0.364	25.62	10.24	48.64	23.02	AV	L	Pass
3	0.906	42.30	10.30	56.00	13.70	Peak	L	Pass
3**	0.906	33.36	10.30	46.00	12.64	AV	L	Pass
4	4.566	34.75	11.01	56.00	21.25	Peak	L	Pass
4**	4.566	20.98	11.01	46.00	25.02	AV	L	Pass
5	19.036	38.98	14.84	60.00	21.02	Peak	L	Pass
5**	19.036	21.37	14.84	50.00	28.63	AV	L	Pass
6	22.084	38.81	15.40	60.00	21.19	Peak	L	Pass
6**	22.084	27.22	15.40	50.00	22.78	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	46.99	10.23	65.78	18.79	Peak	N	Pass
1**	0.154	29.54	10.23	55.78	26.24	AV	N	Pass
2	0.250	41.31	10.22	61.76	20.45	Peak	N	Pass
2**	0.250	30.81	10.22	51.76	20.95	AV	N	Pass
3	0.908	43.55	10.28	56.00	12.45	Peak	N	Pass
3**	0.908	38.70	10.28	46.00	7.30	AV	N	Pass
4	8.268	38.62	12.30	60.00	21.38	Peak	N	Pass
4**	8.268	24.75	12.30	50.00	25.25	AV	N	Pass
5	11.776	38.97	12.98	60.00	21.03	Peak	N	Pass
5**	11.776	27.76	12.98	50.00	22.24	AV	N	Pass
6	21.064	40.19	15.33	60.00	19.81	Peak	N	Pass
6**	21.064	27.24	15.33	50.00	22.76	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 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

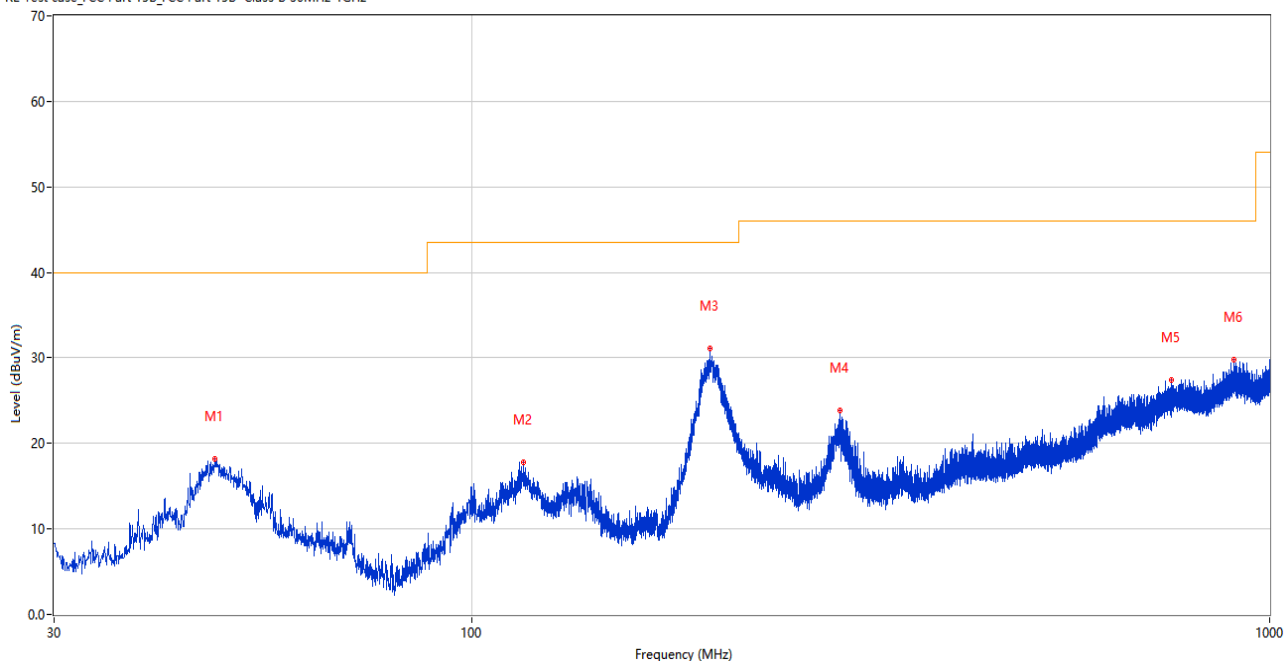
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

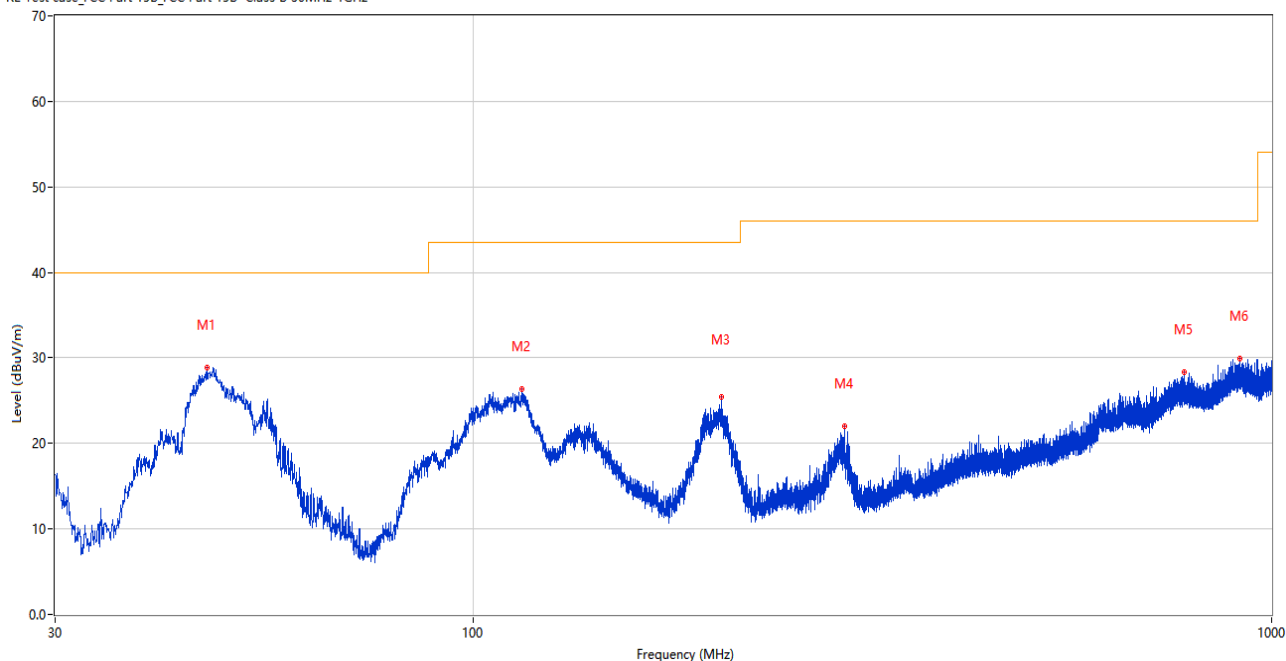
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	47.751	18.14	-25.31	40.0	21.86	Peak	232.00	100	Horizontal	Pass
2	116.233	17.77	-27.50	43.5	25.73	Peak	244.00	100	Horizontal	Pass
3	198.780	31.07	-26.09	43.5	12.43	Peak	118.00	100	Horizontal	Pass
4	289.233	23.87	-23.32	46.0	22.13	Peak	176.00	100	Horizontal	Pass
5	752.262	27.41	-11.85	46.0	18.59	Peak	255.00	100	Horizontal	Pass
6	902.224	29.86	-8.72	46.0	16.14	Peak	288.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	46.441	28.92	-25.45	40.0	11.08	Peak	216.00	100	Vertical	Pass
2	115.118	26.33	-27.32	43.5	17.17	Peak	255.00	100	Vertical	Pass
3	204.552	25.48	-26.59	43.5	18.02	Peak	255.00	100	Vertical	Pass
4	292.191	22.04	-23.26	46.0	23.96	Peak	309.00	100	Vertical	Pass
5	776.997	28.40	-11.22	46.0	17.60	Peak	103.00	200	Vertical	Pass
6	913.136	29.95	-8.56	46.0	16.05	Peak	337.00	200	Vertical	Pass

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

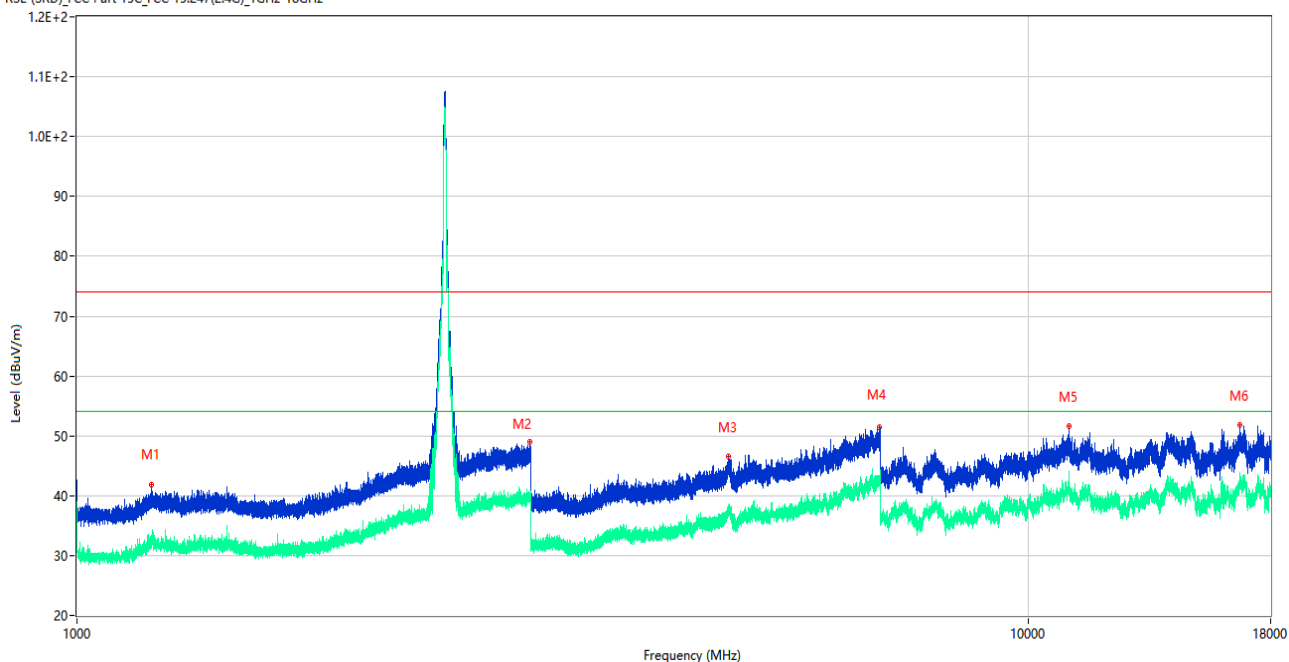
Note²: The spurious from 18GHz-25GHz is noise only, only reflect the worst result.

Note³: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note⁴: All antenna were pre tested, but only the worst case has been reported in this report.

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

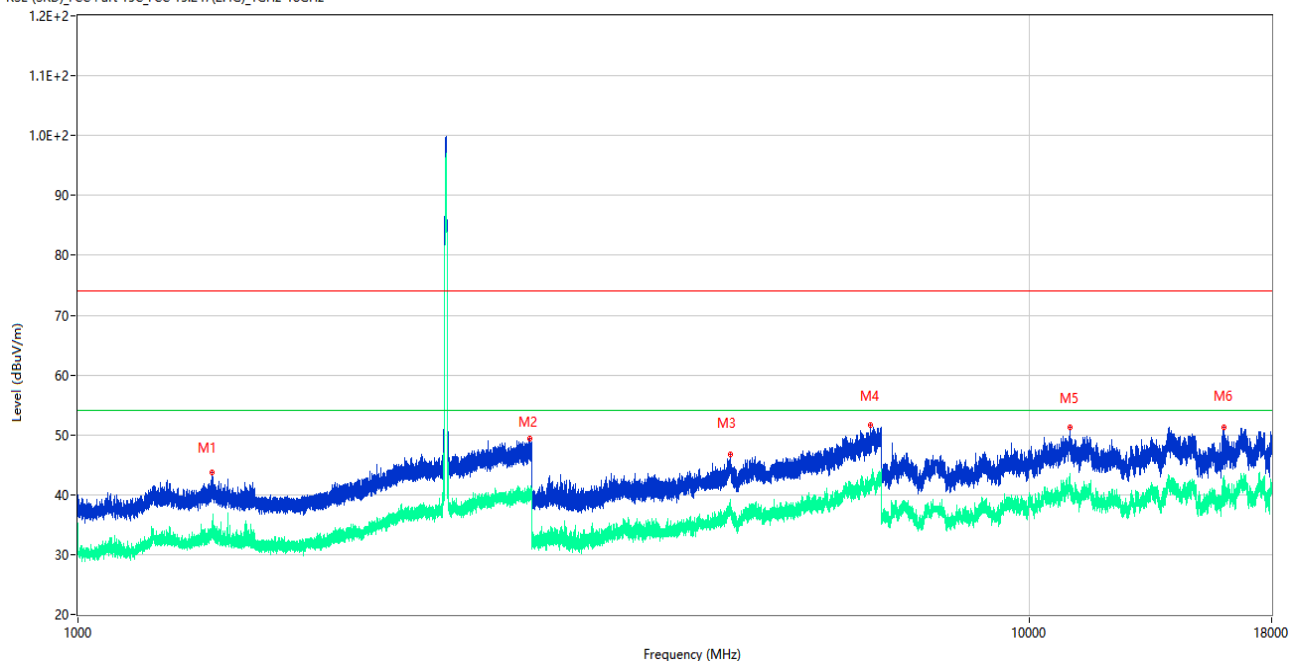
RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.100	41.80	74.0	32.20	Peak	195.00	100	Horizontal	Pass
1**	1197.100	31.37	54.0	22.63	AV	195.00	100	Horizontal	Pass
2	2994.300	48.97	74.0	25.03	Peak	32.00	100	Horizontal	Pass
2**	2994.300	39.58	54.0	14.42	AV	32.00	100	Horizontal	Pass
3	4845.200	46.53	74.0	27.47	Peak	187.00	400	Horizontal	Pass
3**	4845.200	37.88	54.0	16.12	AV	187.00	400	Horizontal	Pass
4	6978.600	51.40	74.0	22.60	Peak	187.00	400	Horizontal	Pass
4**	6978.600	42.98	54.0	11.02	AV	187.00	400	Horizontal	Pass
5	11044.263	51.54	74.0	22.46	Peak	272.00	100	Horizontal	Pass
5**	11044.263	42.92	54.0	11.08	AV	272.00	100	Horizontal	Pass
6	16707.713	51.77	74.0	22.23	Peak	149.00	100	Horizontal	Pass
6**	16707.713	41.96	54.0	12.04	AV	149.00	100	Horizontal	Pass

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

RSE (SRD)_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1383.000	43.73	74.0	30.27	Peak	109.00	300	Vertical	Pass
1**	1383.000	35.57	54.0	18.43	AV	109.00	300	Vertical	Pass
2	2985.400	49.46	74.0	24.54	Peak	98.00	100	Vertical	Pass
2**	2985.400	40.13	54.0	13.87	AV	98.00	100	Vertical	Pass
3	4857.600	46.84	74.0	27.16	Peak	6.00	100	Vertical	Pass
3**	4857.600	37.55	54.0	16.45	AV	6.00	100	Vertical	Pass
4	6812.400	51.62	74.0	22.38	Peak	111.00	300	Vertical	Pass
4**	6812.400	41.59	54.0	12.41	AV	111.00	300	Vertical	Pass
5	11048.863	51.19	74.0	22.81	Peak	179.00	100	Vertical	Pass
5**	11048.863	42.00	54.0	12.00	AV	179.00	100	Vertical	Pass
6	16042.537	51.18	74.0	22.82	Peak	352.00	100	Vertical	Pass
6**	16042.537	41.39	54.0	12.61	AV	352.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.611	41.80	74.0	32.20	Peak	1.00	200	Horizontal	Pass
1**	1199.611	30.96	54.0	23.04	AV	1.00	200	Horizontal	Pass
2	2993.054	49.10	74.0	24.90	Peak	75.00	100	Horizontal	Pass
2**	2993.054	39.02	54.0	14.98	AV	75.00	100	Horizontal	Pass
3	4847.046	46.35	74.0	27.65	Peak	266.00	200	Horizontal	Pass
3**	4847.046	37.51	54.0	16.49	AV	266.00	200	Horizontal	Pass
4	6978.631	51.10	74.0	22.91	Peak	104.00	400	Horizontal	Pass
4**	6978.631	42.65	54.0	11.36	AV	104.00	400	Horizontal	Pass
5	11042.117	50.72	74.0	23.28	Peak	107.00	400	Horizontal	Pass
5**	11042.117	42.17	54.0	11.83	AV	107.00	400	Horizontal	Pass
6	16704.955	51.55	74.0	22.46	Peak	172.00	300	Horizontal	Pass
6**	16704.955	41.45	54.0	12.55	AV	172.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1382.656	43.37	74.0	30.63	Peak	158.00	400	Vertical	Pass
1**	1382.656	34.94	54.0	19.06	AV	158.00	400	Vertical	Pass
2	2982.782	48.65	74.0	25.35	Peak	205.00	100	Vertical	Pass
2**	2982.782	39.81	54.0	14.19	AV	205.00	100	Vertical	Pass
3	4855.797	46.11	74.0	27.89	Peak	281.00	200	Vertical	Pass
3**	4855.797	36.89	54.0	17.11	AV	281.00	200	Vertical	Pass
4	6812.827	51.81	74.0	22.19	Peak	352.00	100	Vertical	Pass
4**	6812.827	41.65	54.0	12.35	AV	352.00	100	Vertical	Pass
5	11045.687	50.24	74.0	23.76	Peak	304.00	400	Vertical	Pass
5**	11045.687	41.46	54.0	12.54	AV	304.00	400	Vertical	Pass
6	16045.678	50.82	74.0	23.18	Peak	350.00	300	Vertical	Pass
6**	16045.678	41.04	54.0	12.96	AV	350.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.443	41.39	74.0	32.61	Peak	260.00	400	Horizontal	Pass
1**	1200.443	31.39	54.0	22.61	AV	260.00	400	Horizontal	Pass
2	2993.867	48.32	74.0	25.68	Peak	300.00	300	Horizontal	Pass
2**	2993.867	39.21	54.0	14.79	AV	300.00	300	Horizontal	Pass
3	4846.002	46.18	74.0	27.82	Peak	357.00	200	Horizontal	Pass
3**	4846.002	37.53	54.0	16.47	AV	357.00	200	Horizontal	Pass
4	6974.928	50.93	74.0	23.08	Peak	103.00	200	Horizontal	Pass
4**	6974.928	42.83	54.0	11.18	AV	103.00	200	Horizontal	Pass
5	11046.826	50.97	74.0	23.03	Peak	320.00	300	Horizontal	Pass
5**	11046.826	42.30	54.0	11.70	AV	320.00	300	Horizontal	Pass
6	16707.773	51.83	74.0	22.18	Peak	51.00	100	Horizontal	Pass
6**	16707.773	41.96	54.0	12.04	AV	51.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1382.558	43.53	74.0	30.47	Peak	176.00	300	Vertical	Pass
1**	1382.558	34.91	54.0	19.09	AV	176.00	300	Vertical	Pass
2	2985.908	48.95	74.0	25.05	Peak	23.00	400	Vertical	Pass
2**	2985.908	39.30	54.0	14.70	AV	23.00	400	Vertical	Pass
3	4859.311	46.43	74.0	27.57	Peak	97.00	200	Vertical	Pass
3**	4859.311	37.18	54.0	16.82	AV	97.00	200	Vertical	Pass
4	6810.194	51.03	74.0	22.97	Peak	303.00	300	Vertical	Pass
4**	6810.194	41.09	54.0	12.91	AV	303.00	300	Vertical	Pass
5	11047.701	50.76	74.0	23.24	Peak	336.00	300	Vertical	Pass
5**	11047.701	41.79	54.0	12.21	AV	336.00	300	Vertical	Pass
6	16042.345	50.44	74.0	23.56	Peak	249.00	100	Vertical	Pass
6**	16042.345	40.61	54.0	13.39	AV	249.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1196.677	41.62	74.0	32.38	Peak	350.00	400	Horizontal	Pass
1**	1196.677	30.93	54.0	23.07	AV	350.00	400	Horizontal	Pass
2	2993.317	48.50	74.0	25.50	Peak	195.00	200	Horizontal	Pass
2**	2993.317	39.68	54.0	14.32	AV	195.00	200	Horizontal	Pass
3	4847.916	46.21	74.0	27.79	Peak	331.00	200	Horizontal	Pass
3**	4847.916	37.48	54.0	16.52	AV	331.00	200	Horizontal	Pass
4	6979.109	50.85	74.0	23.16	Peak	18.00	200	Horizontal	Pass
4**	6979.109	42.73	54.0	11.28	AV	18.00	200	Horizontal	Pass
5	11043.942	51.25	74.0	22.75	Peak	70.00	400	Horizontal	Pass
5**	11043.942	42.18	54.0	11.82	AV	70.00	400	Horizontal	Pass
6	16706.626	51.89	74.0	22.12	Peak	282.00	200	Horizontal	Pass
6**	16706.626	41.35	54.0	12.65	AV	282.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1386.986	42.46	74.0	31.54	Peak	185.00	100	Vertical	Pass
1**	1386.986	34.64	54.0	19.36	AV	185.00	100	Vertical	Pass
2	2984.589	48.47	74.0	25.53	Peak	56.00	400	Vertical	Pass
2**	2984.589	39.60	54.0	14.40	AV	56.00	400	Vertical	Pass
3	4855.985	45.11	74.0	28.89	Peak	247.00	200	Vertical	Pass
3**	4855.985	36.26	54.0	17.74	AV	247.00	200	Vertical	Pass
4	6812.604	51.07	74.0	22.93	Peak	148.00	300	Vertical	Pass
4**	6812.604	41.64	54.0	12.36	AV	148.00	300	Vertical	Pass
5	11044.947	49.30	74.0	24.70	Peak	176.00	400	Vertical	Pass
5**	11044.947	40.95	54.0	13.05	AV	176.00	400	Vertical	Pass
6	16045.613	50.42	74.0	23.58	Peak	124.00	300	Vertical	Pass
6**	16045.613	40.04	54.0	13.96	AV	124.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.410	40.93	74.0	33.07	Peak	282.00	200	Horizontal	Pass
1**	1197.410	30.18	54.0	23.82	AV	282.00	200	Horizontal	Pass
2	2990.694	48.70	74.0	25.30	Peak	40.00	100	Horizontal	Pass
2**	2990.694	38.61	54.0	15.39	AV	40.00	100	Horizontal	Pass
3	4849.197	45.83	74.0	28.17	Peak	142.00	200	Horizontal	Pass
3**	4849.197	37.23	54.0	16.77	AV	142.00	200	Horizontal	Pass
4	6975.945	50.40	74.0	23.61	Peak	117.00	200	Horizontal	Pass
4**	6975.945	42.25	54.0	11.76	AV	117.00	200	Horizontal	Pass
5	11046.473	50.11	74.0	23.89	Peak	133.00	300	Horizontal	Pass
5**	11046.473	41.84	54.0	12.16	AV	133.00	300	Horizontal	Pass
6	16709.033	51.05	74.0	22.96	Peak	131.00	300	Horizontal	Pass
6**	16709.033	40.85	54.0	13.15	AV	131.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1382.538	42.89	74.0	31.11	Peak	29.00	100	Vertical	Pass
1**	1382.538	34.32	54.0	19.68	AV	29.00	100	Vertical	Pass
2	2986.378	48.47	74.0	25.53	Peak	136.00	400	Vertical	Pass
2**	2986.378	38.69	54.0	15.31	AV	136.00	400	Vertical	Pass
3	4855.741	45.80	74.0	28.20	Peak	278.00	200	Vertical	Pass
3**	4855.741	36.71	54.0	17.29	AV	278.00	200	Vertical	Pass
4	6812.686	50.50	74.0	23.50	Peak	41.00	100	Vertical	Pass
4**	6812.686	40.22	54.0	13.78	AV	41.00	100	Vertical	Pass
5	11052.800	50.36	74.0	23.64	Peak	248.00	200	Vertical	Pass
5**	11052.800	40.92	54.0	13.08	AV	248.00	200	Vertical	Pass
6	16041.594	49.49	74.0	24.51	Peak	313.00	100	Vertical	Pass
6**	16041.594	40.53	54.0	13.47	AV	313.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.211	40.58	74.0	33.42	Peak	94.00	100	Horizontal	Pass
1**	1197.211	30.93	54.0	23.07	AV	94.00	100	Horizontal	Pass
2	2996.750	47.95	74.0	26.05	Peak	163.00	100	Horizontal	Pass
2**	2996.750	38.36	54.0	15.64	AV	163.00	100	Horizontal	Pass
3	4844.354	45.63	74.0	28.37	Peak	198.00	200	Horizontal	Pass
3**	4844.354	37.14	54.0	16.86	AV	198.00	200	Horizontal	Pass
4	6981.429	50.73	74.0	23.28	Peak	235.00	100	Horizontal	Pass
4**	6981.429	42.04	54.0	11.97	AV	235.00	100	Horizontal	Pass
5	11045.304	50.31	74.0	23.69	Peak	300.00	400	Horizontal	Pass
5**	11045.304	41.95	54.0	12.05	AV	300.00	400	Horizontal	Pass
6	16710.406	51.12	74.0	22.89	Peak	172.00	400	Horizontal	Pass
6**	16710.406	41.74	54.0	12.26	AV	172.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1379.736	42.36	74.0	31.64	Peak	105.00	200	Vertical	Pass
1**	1379.736	34.54	54.0	19.46	AV	105.00	200	Vertical	Pass
2	2989.239	48.46	74.0	25.54	Peak	322.00	300	Vertical	Pass
2**	2989.239	39.59	54.0	14.41	AV	322.00	300	Vertical	Pass
3	4860.480	45.08	74.0	28.92	Peak	304.00	200	Vertical	Pass
3**	4860.480	36.23	54.0	17.77	AV	304.00	200	Vertical	Pass
4	6816.339	51.06	74.0	22.94	Peak	175.00	400	Vertical	Pass
4**	6816.339	41.55	54.0	12.45	AV	175.00	400	Vertical	Pass
5	11045.865	49.29	74.0	24.71	Peak	274.00	100	Vertical	Pass
5**	11045.865	40.90	54.0	13.10	AV	274.00	100	Vertical	Pass
6	16040.702	50.41	74.0	23.59	Peak	275.00	100	Vertical	Pass
6**	16040.702	39.99	54.0	14.01	AV	275.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.363	41.61	74.0	32.40	Peak	284.00	100	Horizontal	Pass
1**	1198.363	30.91	54.0	23.09	AV	284.00	100	Horizontal	Pass
2	2992.047	48.42	74.0	25.58	Peak	113.00	400	Horizontal	Pass
2**	2992.047	39.62	54.0	14.38	AV	113.00	400	Horizontal	Pass
3	4848.585	46.11	74.0	27.89	Peak	358.00	200	Horizontal	Pass
3**	4848.585	37.41	54.0	16.59	AV	358.00	200	Horizontal	Pass
4	6979.523	50.81	74.0	23.19	Peak	273.00	200	Horizontal	Pass
4**	6979.523	42.67	54.0	11.33	AV	273.00	200	Horizontal	Pass
5	11045.271	51.22	74.0	22.78	Peak	53.00	200	Horizontal	Pass
5**	11045.271	42.17	54.0	11.83	AV	53.00	200	Horizontal	Pass
6	16704.939	51.88	74.0	22.12	Peak	198.00	100	Horizontal	Pass
6**	16704.939	41.27	54.0	12.73	AV	198.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1384.057	42.83	74.0	31.17	Peak	66.00	400	Vertical	Pass
1**	1384.057	34.26	54.0	19.74	AV	66.00	400	Vertical	Pass
2	2983.323	48.47	74.0	25.53	Peak	335.00	200	Vertical	Pass
2**	2983.323	38.60	54.0	15.40	AV	335.00	200	Vertical	Pass
3	4858.727	45.74	74.0	28.26	Peak	289.00	200	Vertical	Pass
3**	4858.727	36.64	54.0	17.36	AV	289.00	200	Vertical	Pass
4	6811.149	50.46	74.0	23.54	Peak	253.00	400	Vertical	Pass
4**	6811.149	40.20	54.0	13.81	AV	253.00	400	Vertical	Pass
5	11049.404	50.33	74.0	23.67	Peak	250.00	300	Vertical	Pass
5**	11049.404	40.88	54.0	13.12	AV	250.00	300	Vertical	Pass
6	16039.198	49.41	74.0	24.59	Peak	320.00	300	Vertical	Pass
6**	16039.198	40.45	54.0	13.55	AV	320.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.613	41.83	74.0	32.17	Peak	7.00	400	Horizontal	Pass
1**	1198.613	31.66	54.0	22.34	AV	7.00	400	Horizontal	Pass
2	2996.284	49.14	74.0	24.86	Peak	122.00	300	Horizontal	Pass
2**	2996.284	39.78	54.0	14.22	AV	122.00	300	Horizontal	Pass
3	4846.340	46.62	74.0	27.38	Peak	31.00	200	Horizontal	Pass
3**	4846.340	38.15	54.0	15.85	AV	31.00	200	Horizontal	Pass
4	6976.885	51.37	74.0	22.63	Peak	119.00	200	Horizontal	Pass
4**	6976.885	43.08	54.0	10.92	AV	119.00	200	Horizontal	Pass
5	11047.090	51.62	74.0	22.38	Peak	62.00	300	Horizontal	Pass
5**	11047.090	42.98	54.0	11.02	AV	62.00	300	Horizontal	Pass
6	16711.041	52.03	74.0	21.97	Peak	34.00	300	Horizontal	Pass
6**	16711.041	42.18	54.0	11.82	AV	34.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1382.115	41.97	74.0	32.03	Peak	128.00	400	Vertical	Pass
1**	1382.115	33.64	54.0	20.36	AV	128.00	400	Vertical	Pass
2	2989.072	47.61	74.0	26.39	Peak	52.00	100	Vertical	Pass
2**	2989.072	39.01	54.0	14.99	AV	52.00	100	Vertical	Pass
3	4853.704	44.77	74.0	29.23	Peak	329.00	200	Vertical	Pass
3**	4853.704	35.95	54.0	18.05	AV	329.00	200	Vertical	Pass
4	6810.332	50.86	74.0	23.14	Peak	224.00	300	Vertical	Pass
4**	6810.332	41.06	54.0	12.94	AV	224.00	300	Vertical	Pass
5	11046.516	49.26	74.0	24.74	Peak	122.00	300	Vertical	Pass
5**	11046.516	40.13	54.0	13.87	AV	122.00	300	Vertical	Pass
6	16043.668	50.06	74.0	23.94	Peak	265.00	100	Vertical	Pass
6**	16043.668	39.25	54.0	14.75	AV	265.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1194.166	41.80	74.0	32.20	Peak	206.00	400	Horizontal	Pass
1**	1194.166	31.64	54.0	22.36	AV	206.00	400	Horizontal	Pass
2	2991.168	49.15	74.0	24.85	Peak	49.00	100	Horizontal	Pass
2**	2991.168	39.79	54.0	14.21	AV	49.00	100	Horizontal	Pass
3	4844.543	46.56	74.0	27.44	Peak	320.00	200	Horizontal	Pass
3**	4844.543	38.13	54.0	15.88	AV	320.00	200	Horizontal	Pass
4	6979.456	51.35	74.0	22.65	Peak	10.00	400	Horizontal	Pass
4**	6979.456	43.08	54.0	10.93	AV	10.00	400	Horizontal	Pass
5	11043.492	51.70	74.0	22.30	Peak	142.00	200	Horizontal	Pass
5**	11043.492	43.04	54.0	10.96	AV	142.00	200	Horizontal	Pass
6	16711.222	52.01	74.0	21.99	Peak	214.00	100	Horizontal	Pass
6**	16711.222	42.13	54.0	11.88	AV	214.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1383.227	42.82	74.0	31.18	Peak	344.00	300	Vertical	Pass
1**	1383.227	33.93	54.0	20.07	AV	344.00	300	Vertical	Pass
2	2988.567	48.28	74.0	25.72	Peak	241.00	100	Vertical	Pass
2**	2988.567	38.32	54.0	15.68	AV	241.00	100	Vertical	Pass
3	4856.978	45.53	74.0	28.47	Peak	193.00	200	Vertical	Pass
3**	4856.978	36.04	54.0	17.96	AV	193.00	200	Vertical	Pass
4	6811.599	49.82	74.0	24.18	Peak	280.00	200	Vertical	Pass
4**	6811.599	40.12	54.0	13.89	AV	280.00	200	Vertical	Pass
5	11050.889	49.90	74.0	24.10	Peak	139.00	300	Vertical	Pass
5**	11050.889	40.56	54.0	13.44	AV	139.00	300	Vertical	Pass
6	16043.421	48.80	74.0	25.20	Peak	37.00	400	Vertical	Pass
6**	16043.421	40.32	54.0	13.68	AV	37.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1195.455	41.47	74.0	32.53	Peak	124.00	100	Horizontal	Pass
1**	1195.455	30.27	54.0	23.73	AV	124.00	100	Horizontal	Pass
2	2993.492	48.22	74.0	25.78	Peak	20.00	400	Horizontal	Pass
2**	2993.492	38.45	54.0	15.55	AV	20.00	400	Horizontal	Pass
3	4842.054	45.75	74.0	28.25	Peak	268.00	200	Horizontal	Pass
3**	4842.054	37.29	54.0	16.71	AV	268.00	200	Horizontal	Pass
4	6980.723	50.18	74.0	23.83	Peak	145.00	400	Horizontal	Pass
4**	6980.723	42.12	54.0	11.89	AV	145.00	400	Horizontal	Pass
5	11047.589	50.55	74.0	23.45	Peak	154.00	300	Horizontal	Pass
5**	11047.589	41.19	54.0	12.81	AV	154.00	300	Horizontal	Pass
6	16708.272	50.62	74.0	23.39	Peak	117.00	400	Horizontal	Pass
6**	16708.272	40.69	54.0	13.31	AV	117.00	400	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1379.858	42.87	74.0	31.13	Peak	113.00	300	Vertical	Pass
1**	1379.858	34.68	54.0	19.32	AV	113.00	300	Vertical	Pass
2	2988.784	47.88	74.0	26.12	Peak	201.00	400	Vertical	Pass
2**	2988.784	39.51	54.0	14.49	AV	201.00	400	Vertical	Pass
3	4853.803	45.32	74.0	28.68	Peak	343.00	200	Vertical	Pass
3**	4853.803	36.33	54.0	17.67	AV	343.00	200	Vertical	Pass
4	6811.842	51.71	74.0	22.29	Peak	194.00	300	Vertical	Pass
4**	6811.842	41.09	54.0	12.91	AV	194.00	300	Vertical	Pass
5	11047.042	49.33	74.0	24.67	Peak	160.00	300	Vertical	Pass
5**	11047.042	41.41	54.0	12.59	AV	160.00	300	Vertical	Pass
6	16045.973	49.86	74.0	24.14	Peak	258.00	400	Vertical	Pass
6**	16045.973	40.08	54.0	13.92	AV	258.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax20(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1193.359	41.09	74.0	32.91	Peak	331.00	300	Horizontal	Pass
1**	1193.359	31.26	54.0	22.74	AV	331.00	300	Horizontal	Pass
2	2994.021	47.62	74.0	26.38	Peak	262.00	200	Horizontal	Pass
2**	2994.021	38.97	54.0	15.03	AV	262.00	200	Horizontal	Pass
3	4845.195	46.07	74.0	27.93	Peak	159.00	200	Horizontal	Pass
3**	4845.195	37.46	54.0	16.54	AV	159.00	200	Horizontal	Pass
4	6976.102	49.99	74.0	24.02	Peak	106.00	300	Horizontal	Pass
4**	6976.102	42.59	54.0	11.42	AV	106.00	300	Horizontal	Pass
5	11040.925	50.94	74.0	23.06	Peak	29.00	200	Horizontal	Pass
5**	11040.925	41.67	54.0	12.33	AV	29.00	200	Horizontal	Pass
6	16707.839	51.39	74.0	22.62	Peak	340.00	100	Horizontal	Pass
6**	16707.839	41.61	54.0	12.39	AV	340.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax20(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1382.718	42.97	74.0	31.03	Peak	97.00	100	Vertical	Pass
1**	1382.718	34.13	54.0	19.87	AV	97.00	100	Vertical	Pass
2	2989.210	48.90	74.0	25.10	Peak	325.00	200	Vertical	Pass
2**	2989.210	38.43	54.0	15.57	AV	325.00	200	Vertical	Pass
3	4855.410	45.68	74.0	28.32	Peak	130.00	200	Vertical	Pass
3**	4855.410	36.39	54.0	17.61	AV	130.00	200	Vertical	Pass
4	6811.068	50.48	74.0	23.52	Peak	189.00	300	Vertical	Pass
4**	6811.068	40.93	54.0	13.07	AV	189.00	300	Vertical	Pass
5	11052.558	50.49	74.0	23.51	Peak	349.00	200	Vertical	Pass
5**	11052.558	40.90	54.0	13.10	AV	349.00	200	Vertical	Pass
6	16039.208	50.32	74.0	23.68	Peak	253.00	400	Vertical	Pass
6**	16039.208	40.50	54.0	13.50	AV	253.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax20(SU) High Channel

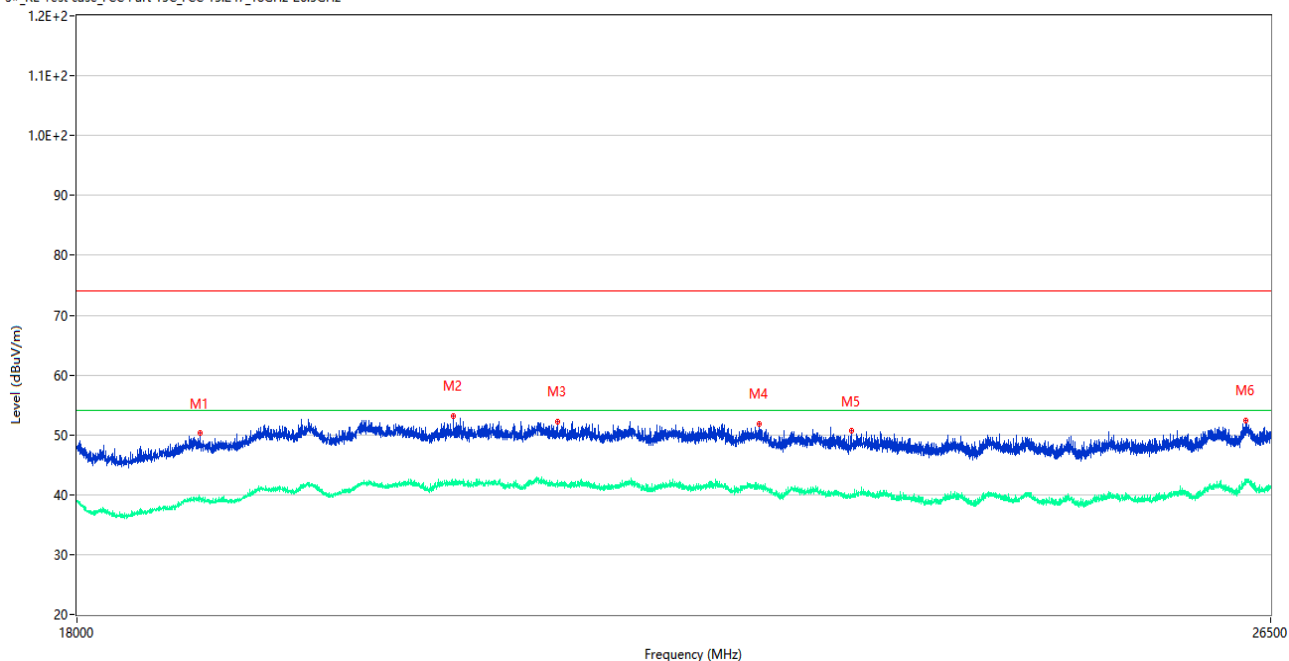
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.250	40.98	74.0	33.02	Peak	32.00	200	Horizontal	Pass
1**	1198.250	31.60	54.0	22.40	AV	32.00	200	Horizontal	Pass
2	2991.104	49.19	74.0	24.81	Peak	316.00	200	Horizontal	Pass
2**	2991.104	39.34	54.0	14.66	AV	316.00	200	Horizontal	Pass
3	4847.284	45.85	74.0	28.15	Peak	190.00	200	Horizontal	Pass
3**	4847.284	37.64	54.0	16.36	AV	190.00	200	Horizontal	Pass
4	6974.659	51.31	74.0	22.70	Peak	183.00	400	Horizontal	Pass
4**	6974.659	42.61	54.0	11.40	AV	183.00	400	Horizontal	Pass
5	11040.858	50.96	74.0	23.04	Peak	359.00	200	Horizontal	Pass
5**	11040.858	42.43	54.0	11.57	AV	359.00	200	Horizontal	Pass
6	16710.143	51.18	74.0	22.83	Peak	321.00	300	Horizontal	Pass
6**	16710.143	41.69	54.0	12.31	AV	321.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1381.507	43.08	74.0	30.92	Peak	147.00	100	Vertical	Pass
1**	1381.507	35.59	54.0	18.41	AV	147.00	100	Vertical	Pass
2	2983.766	49.39	74.0	24.61	Peak	268.00	400	Vertical	Pass
2**	2983.766	39.66	54.0	14.34	AV	268.00	400	Vertical	Pass
3	4857.415	45.88	74.0	28.12	Peak	12.00	200	Vertical	Pass
3**	4857.415	37.13	54.0	16.87	AV	12.00	200	Vertical	Pass
4	6810.831	51.64	74.0	22.36	Peak	17.00	300	Vertical	Pass
4**	6810.831	41.58	54.0	12.42	AV	17.00	300	Vertical	Pass
5	11045.191	50.50	74.0	23.50	Peak	336.00	100	Vertical	Pass
5**	11045.191	41.22	54.0	12.78	AV	336.00	100	Vertical	Pass
6	16041.769	50.39	74.0	23.61	Peak	121.00	200	Vertical	Pass
6**	16041.769	40.96	54.0	13.04	AV	121.00	200	Vertical	Pass

18 GHz to 26.5 GHz, ANT H 802.11b Low Channel

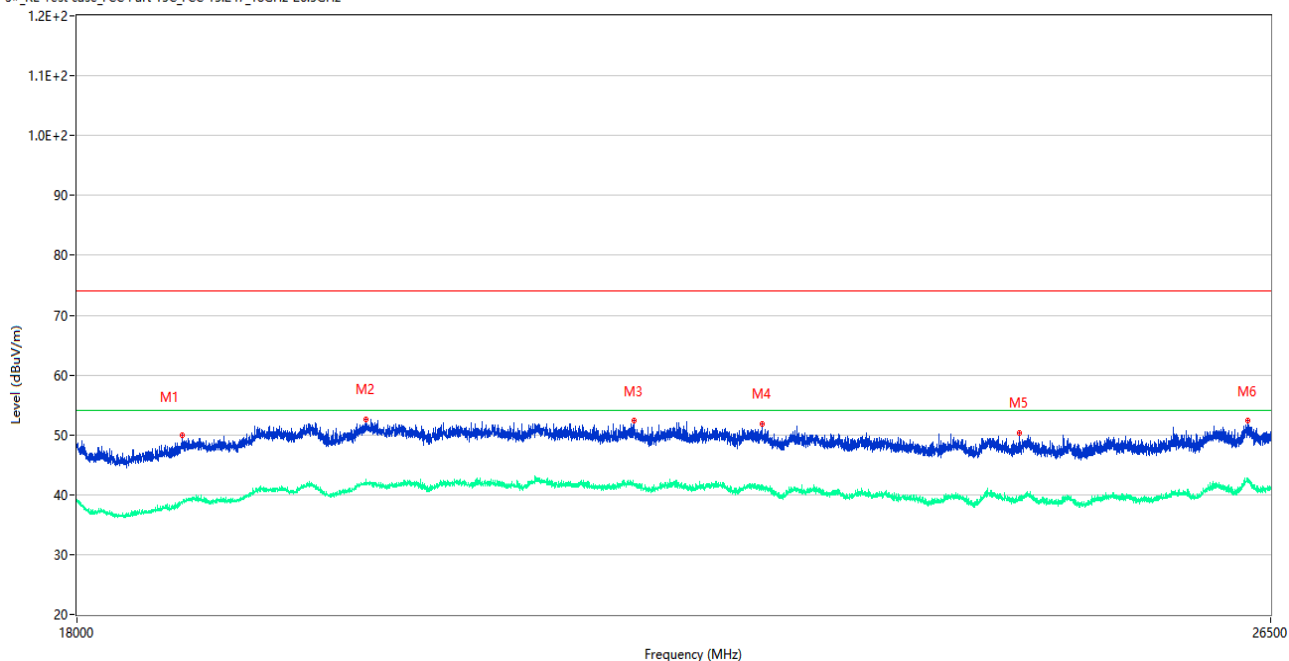
3#_RE Test case_FCC Part 15C_FCC 15.247_18GHz-26.5GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	18731.999	50.28	74.0	23.72	Peak	49.00	150	Horizontal	Pass
1**	18731.999	39.16	54.0	14.84	AV	49.00	150	Horizontal	Pass
2	20335.000	53.15	74.0	20.85	Peak	74.00	150	Horizontal	Pass
2**	20335.000	41.62	54.0	12.38	AV	74.00	150	Horizontal	Pass
3	21034.000	52.23	74.0	21.77	Peak	342.00	150	Horizontal	Pass
3**	21034.000	41.56	54.0	12.44	AV	342.00	150	Horizontal	Pass
4	22456.001	51.82	74.0	22.18	Peak	137.00	150	Horizontal	Pass
4**	22456.001	41.45	54.0	12.55	AV	137.00	150	Horizontal	Pass
5	23136.999	50.63	74.0	23.37	Peak	281.00	150	Horizontal	Pass
5**	23136.999	39.57	54.0	14.43	AV	281.00	150	Horizontal	Pass
6	26290.999	52.47	74.0	21.53	Peak	62.00	150	Horizontal	Pass
6**	26290.999	42.65	54.0	11.35	AV	62.00	150	Horizontal	Pass

18 GHz to 26.5 GHz, ANT V 802.11b Low Channel

3#_RE Test case_FCC Part 15C_FCC 15.247_18GHz-26.5GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	18623.001	49.87	74.0	24.13	Peak	186.00	150	Vertical	Pass
1**	18623.001	38.46	54.0	15.54	AV	186.00	150	Vertical	Pass
2	19765.000	52.63	74.0	21.37	Peak	356.00	150	Vertical	Pass
2**	19765.000	41.87	54.0	12.13	AV	356.00	150	Vertical	Pass
3	21561.999	52.34	74.0	21.66	Peak	10.00	150	Vertical	Pass
3**	21561.999	41.91	54.0	12.09	AV	10.00	150	Vertical	Pass
4	22475.000	51.87	74.0	22.13	Peak	10.00	150	Vertical	Pass
4**	22475.000	41.18	54.0	12.82	AV	10.00	150	Vertical	Pass
5	24426.000	50.35	74.0	23.65	Peak	130.00	150	Vertical	Pass
5**	24426.000	39.06	54.0	14.94	AV	130.00	150	Vertical	Pass
6	26303.001	52.36	74.0	21.64	Peak	279.00	150	Vertical	Pass
6**	26303.001	42.46	54.0	11.54	AV	279.00	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 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

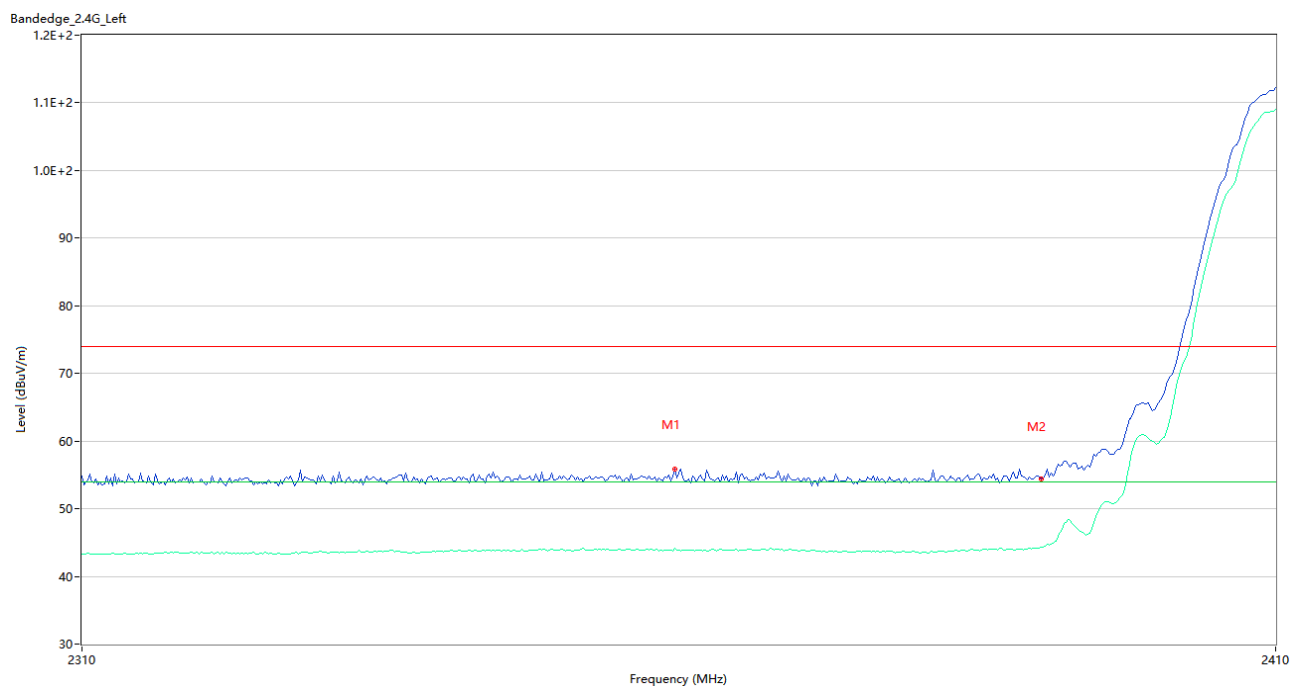
Note ⁴: All the configurations were pre tested, only the worst configuration has been reported in this report.

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

Note ⁶: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

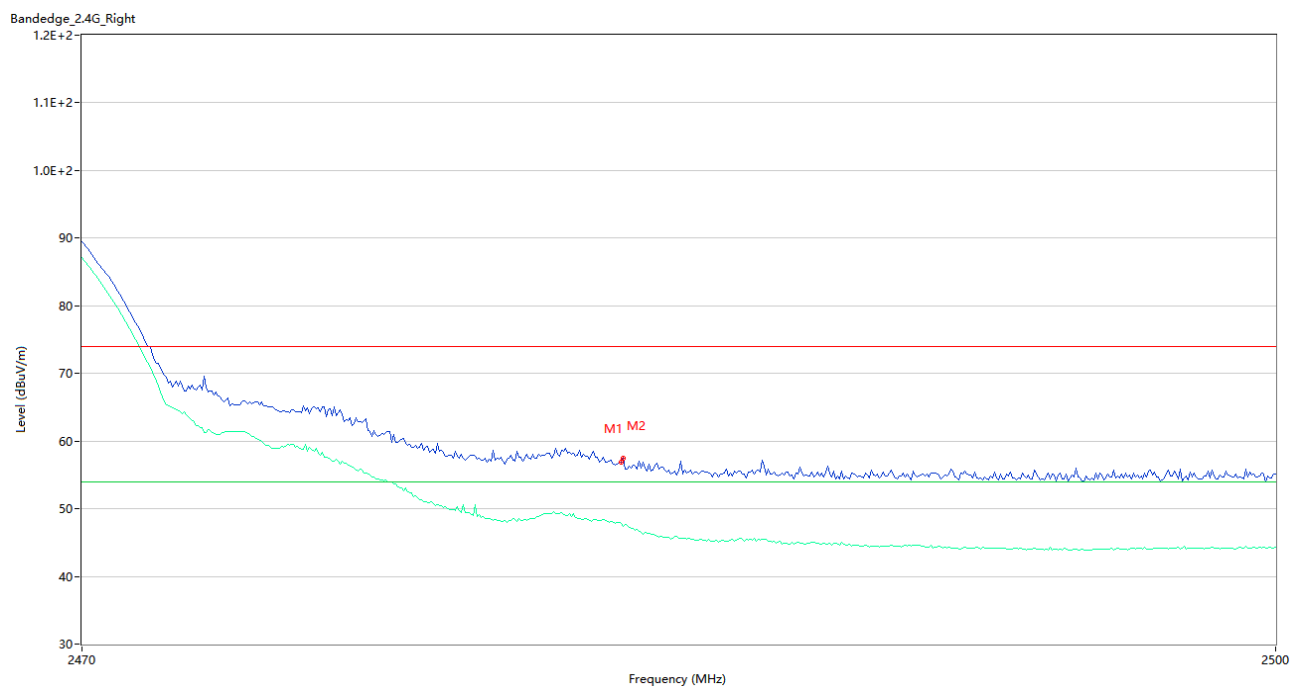
Test Data and Plots

802.11b LOW CHANNEL



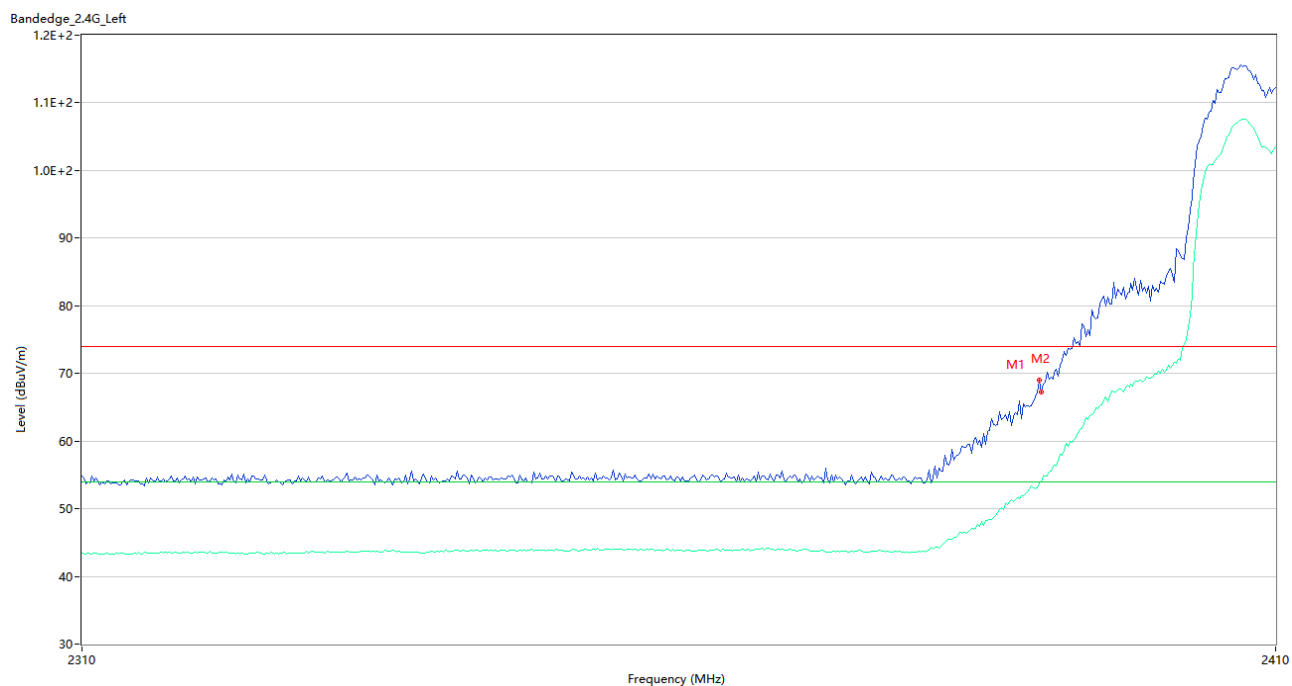
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2359.167	55.90	74.0	18.10	Peak	331.00	100	Horizontal	Pass
1**	2359.167	44.17	54.0	9.83	AV	331.00	100	Horizontal	Pass
2	2390.000	54.38	74.0	19.62	Peak	266.00	100	Horizontal	Pass
2**	2390.000	44.29	54.0	9.71	AV	266.00	100	Horizontal	Pass

802.11b HIGH CHANNEL



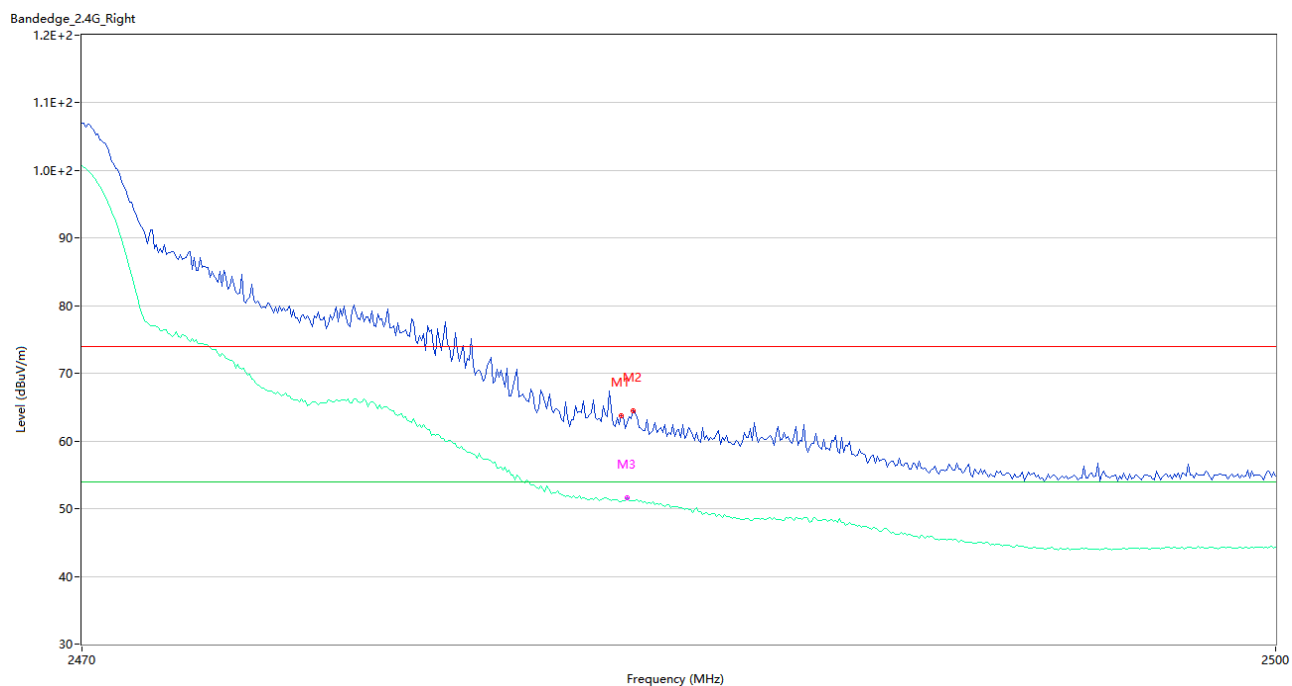
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	56.88	74.0	17.12	Peak	225.00	100	Horizontal	Pass
1**	2483.500	47.86	54.0	6.14	AV	225.00	100	Horizontal	Pass
2	2483.550	57.40	74.0	16.60	Peak	215.00	100	Horizontal	Pass
2**	2483.550	47.45	54.0	6.55	AV	215.00	100	Horizontal	Pass

802.11g LOW CHANNEL



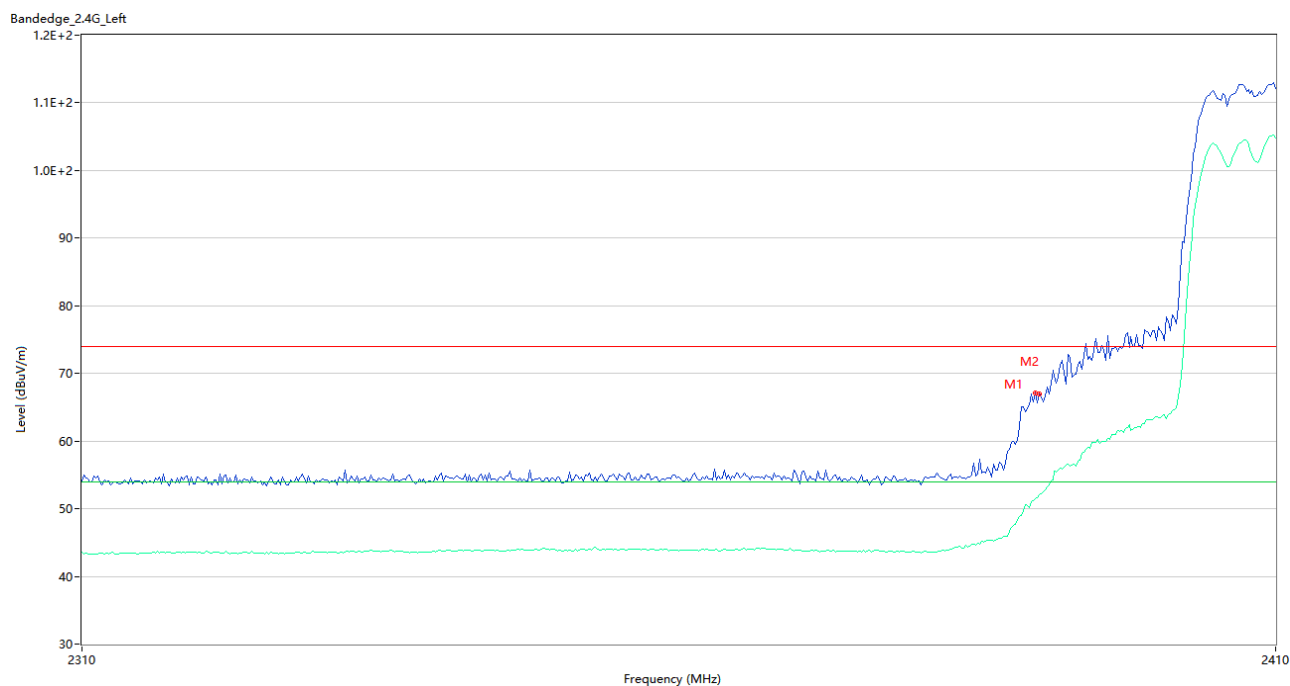
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.833	69.03	74.0	4.97	Peak	210.00	100	Horizontal	Pass
1**	2389.833	53.88	54.0	0.12	AV	210.00	100	Horizontal	Pass
2	2390.000	67.28	74.0	6.72	Peak	223.00	100	Horizontal	Pass
2**	2390.000	53.89	54.0	0.11	AV	223.00	100	Horizontal	Pass

802.11g HIGH CHANNEL



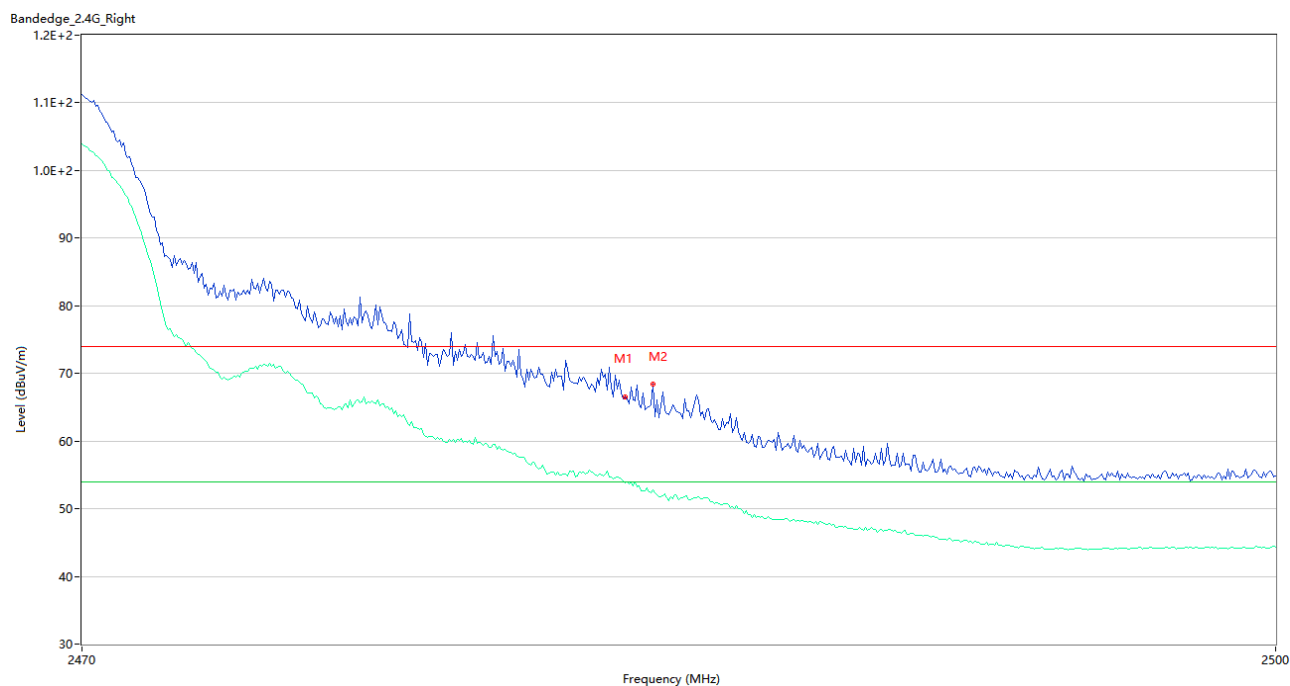
No.	Frequency (MHz)	Results (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	63.70	74.0	10.30	Peak	217.00	100	Horizontal	Pass
1**	2483.500	51.09	54.0	2.91	AV	217.00	100	Horizontal	Pass
2	2483.800	64.42	74.0	9.58	Peak	207.00	200	Horizontal	Pass
2**	2483.800	51.23	54.0	2.77	AV	207.00	200	Horizontal	Pass
3	2483.650	62.79	74.0	11.21	Peak	207.00	100	Horizontal	Pass
3**	2483.650	51.61	54.0	2.39	AV	207.00	100	Horizontal	Pass

802.11n20 LOW CHANNEL



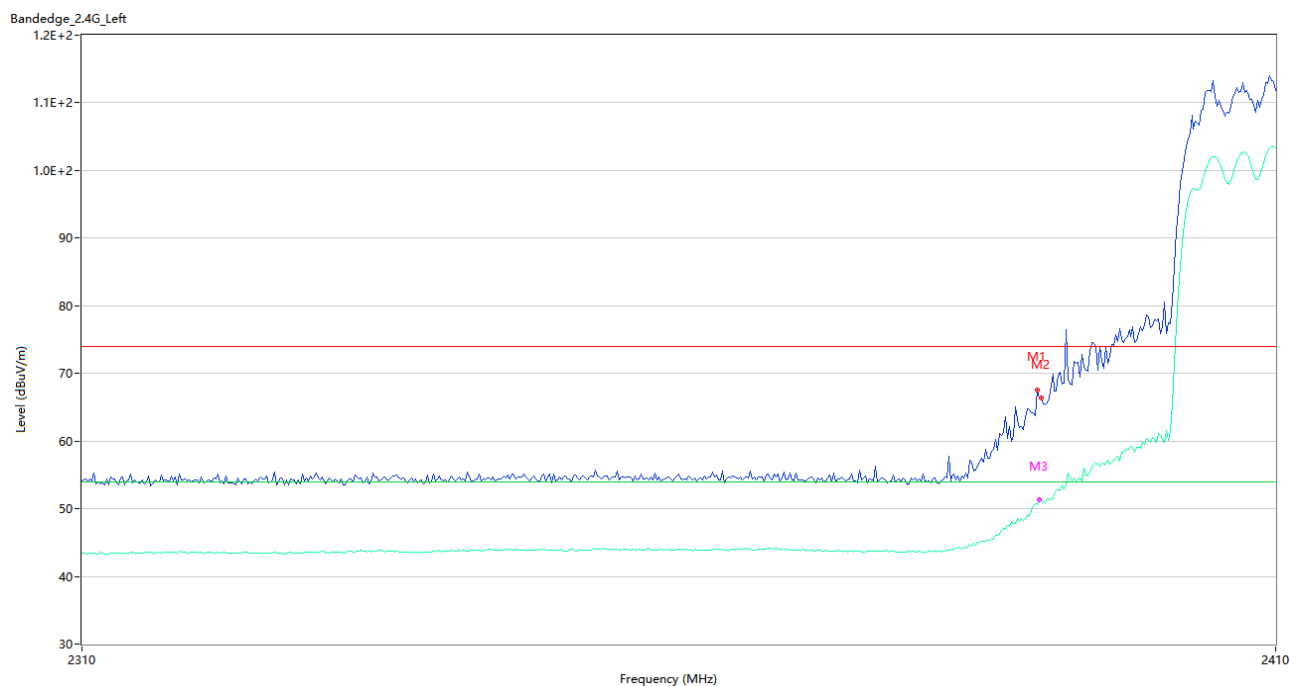
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.500	67.15	74.0	6.85	Peak	210.00	100	Horizontal	Pass
1**	2389.500	51.42	54.0	2.58	AV	210.00	100	Horizontal	Pass
2	2390.000	66.95	74.0	7.05	Peak	210.00	100	Horizontal	Pass
2**	2390.000	52.06	54.0	1.94	AV	210.00	100	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	66.57	74.0	7.43	Peak	208.00	100	Horizontal	Pass
1**	2483.500	53.76	54.0	0.24	AV	208.00	100	Horizontal	Pass
2	2484.300	68.45	74.0	5.55	Peak	208.00	100	Horizontal	Pass
2**	2484.300	52.76	54.0	1.24	AV	208.00	100	Horizontal	Pass

802.11ax20(SU) LOW CHANNEL



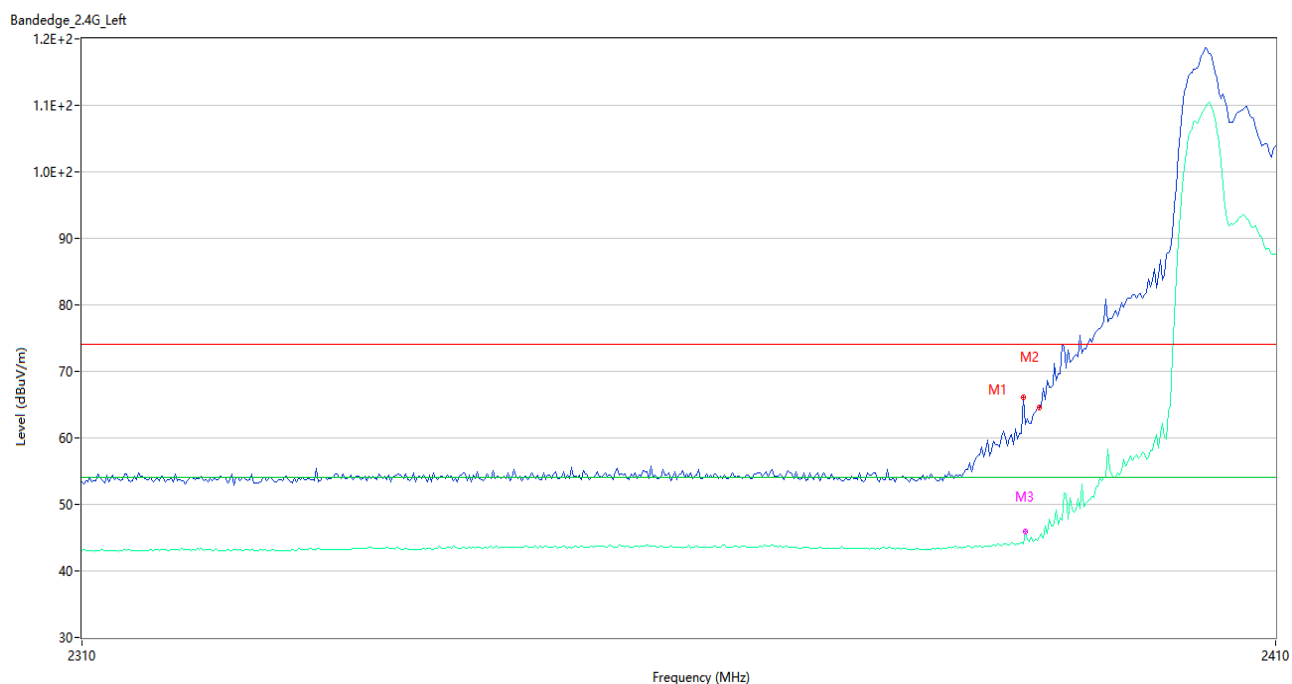
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.667	67.53	74.0	6.47	Peak	217.00	150	Horizontal	Pass
1**	2389.667	50.55	54.0	3.45	AV	217.00	150	Horizontal	Pass
2	2390.000	66.33	74.0	7.67	Peak	217.00	100	Horizontal	Pass
2**	2390.000	51.54	54.0	2.46	AV	217.00	100	Horizontal	Pass
3	2389.833	66.38	74.0	7.62	Peak	233.00	100	Horizontal	Pass
3**	2389.833	51.34	54.0	2.66	AV	233.00	100	Horizontal	Pass

802.11ax20(SU) HIGH CHANNEL



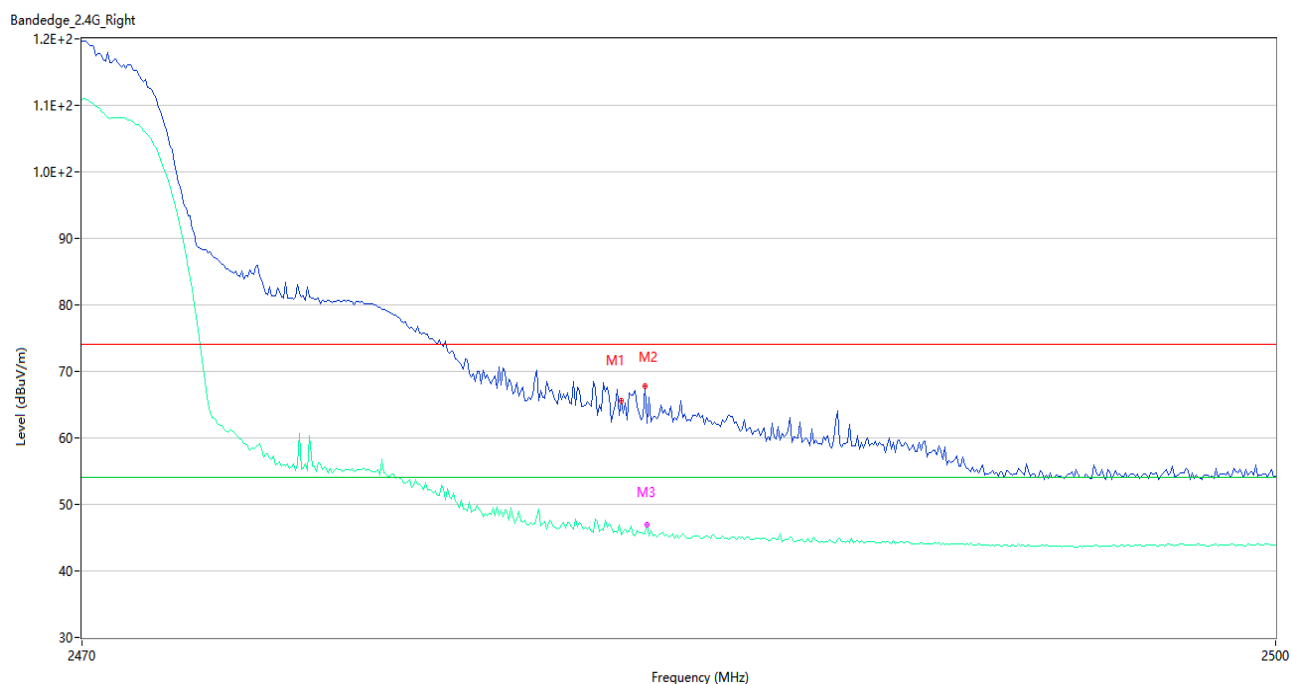
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	65.28	74.0	8.72	Peak	215.00	200	Horizontal	Pass
1**	2483.550	52.92	54.0	1.08	AV	215.00	200	Horizontal	Pass
2	2486.150	68.17	74.0	5.83	Peak	204.00	150	Horizontal	Pass
2**	2486.150	50.14	54.0	3.86	AV	204.00	150	Horizontal	Pass
3	2483.800	67.09	74.0	6.91	Peak	215.00	100	Horizontal	Pass
3**	2483.800	52.93	54.0	1.07	AV	215.00	100	Horizontal	Pass

802.11ax20(RU26) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.500	66.08	74.0	7.92	Peak	219.00	150	Horizontal	Pass
1**	2388.500	44.02	54.0	9.98	AV	219.00	150	Horizontal	Pass
2	2389.833	64.53	74.0	9.47	Peak	325.00	100	Horizontal	Pass
2**	2389.833	45.04	54.0	8.96	AV	325.00	100	Horizontal	Pass
3	2388.667	62.10	74.0	11.90	Peak	193.00	100	Horizontal	Pass
3**	2388.667	45.92	54.0	8.08	AV	193.00	100	Horizontal	Pass

802.11ax20(RU26) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	65.61	74.0	8.39	Peak	0.00	200	Horizontal	Pass
1**	2483.500	45.41	54.0	8.59	AV	0.00	200	Horizontal	Pass
2	2484.100	67.81	74.0	6.19	Peak	339.00	200	Horizontal	Pass
2**	2484.100	45.57	54.0	8.43	AV	339.00	200	Horizontal	Pass
3	2484.150	62.25	74.0	11.75	Peak	323.00	100	Horizontal	Pass
3**	2484.150	46.93	54.0	7.07	AV	323.00	100	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

ANT-1

802.11b Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-7.12	8	Pass
Middle	-6.48	8	Pass
High	-7.06	8	Pass

802.11g Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-9.17	8	Pass
Middle	-10.44	8	Pass
High	-9.05	8	Pass

802.11n-20 MHz Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-9.92	8	Pass
Middle	-8.17	8	Pass
High	-10.68	8	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-9.89	8	Pass
Middle	-9.43	8	Pass
High	-9.51	8	Pass

802.11ax-20 MHz(RU26) Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-3.51	8	Pass
Middle	-1.96	8	Pass
High	-4.13	8	Pass

802.11ax-20 MHz(RU52) Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-5.06	8	Pass
Middle	-4.79	8	Pass
High	-6.26	8	Pass

802.11ax-20 MHz(RU106) Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-9.29	8	Pass
Middle	-7.13	8	Pass
High	-8.75	8	Pass

ANT-2**802.11b Mode:**

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-5.659	8	Pass
Middle	-7.361	8	Pass
High	-6.687	8	Pass

802.11g Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-8.355	8	Pass
Middle	-8.172	8	Pass
High	-9.329	8	Pass

802.11n-20 MHz Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-8.786	8	Pass
Middle	-9.38	8	Pass
High	-9.031	8	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-10.282	8	Pass
Middle	-9.787	8	Pass
High	-9.904	8	Pass

802.11ax-20 MHz(RU26) Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-2.69	8	Pass
Middle	-1.33	8	Pass
High	-1.99	8	Pass

802.11ax-20 MHz(RU52) Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-4.66	8	Pass
Middle	-5.59	8	Pass
High	-4.83	8	Pass

802.11ax-20 MHz(RU106) Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-7.81	8	Pass
Middle	-7.30	8	Pass
High	-8.08	8	Pass

MIMO

802.11b Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-3.32	8	Pass
Middle	-3.89	8	Pass
High	-3.86	8	Pass

802.11g Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-5.73	8	Pass
Middle	-6.15	8	Pass
High	-6.18	8	Pass

802.11n-20 MHz Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-6.31	8	Pass
Middle	-5.72	8	Pass
High	-6.77	8	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-7.07	8	Pass
Middle	-6.59	8	Pass
High	-6.69	8	Pass

802.11ax-20 MHz(RU26) Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-0.07	8	Pass
Middle	1.38	8	Pass
High	0.08	8	Pass

802.11ax-20 MHz(RU52) Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-1.84	8	Pass
Middle	-2.16	8	Pass
High	-2.48	8	Pass

802.11ax-20 MHz(RU106) Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-5.48	8	Pass
Middle	-4.20	8	Pass
High	-5.39	8	Pass