

A.6 Radiated Emission

Note¹: The symbol of “--” in the table which means not application.

Note²: 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.

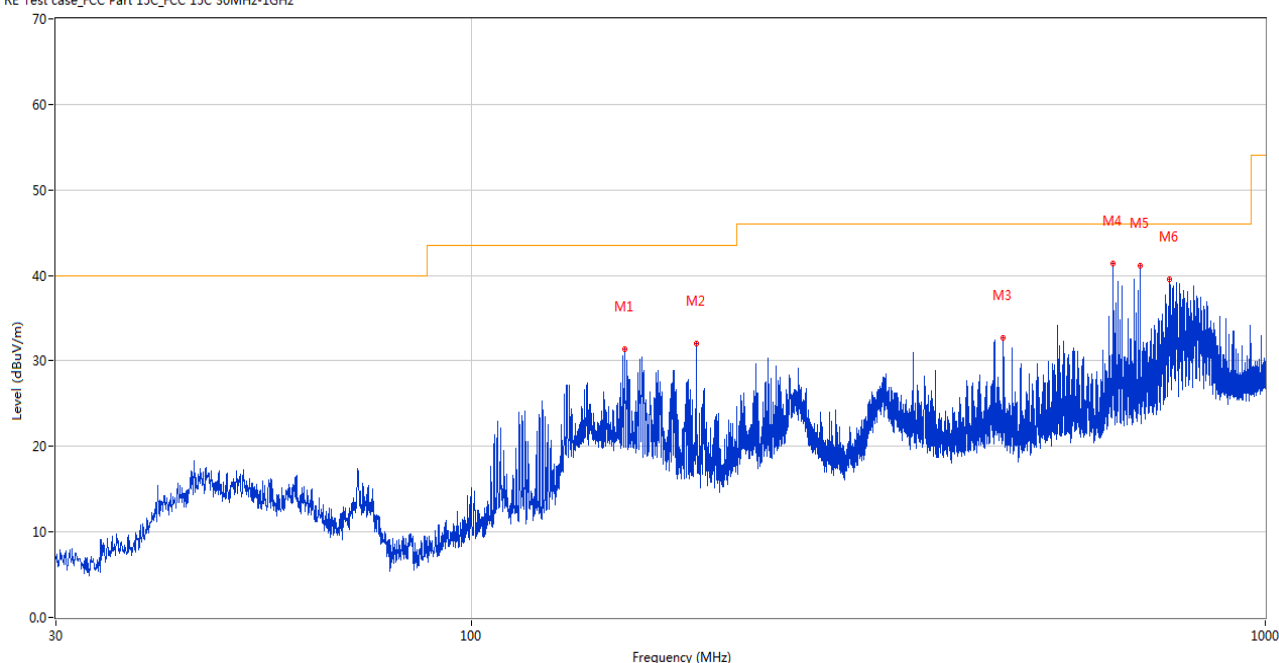
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

30 MHz to 1 GHz, ANT H

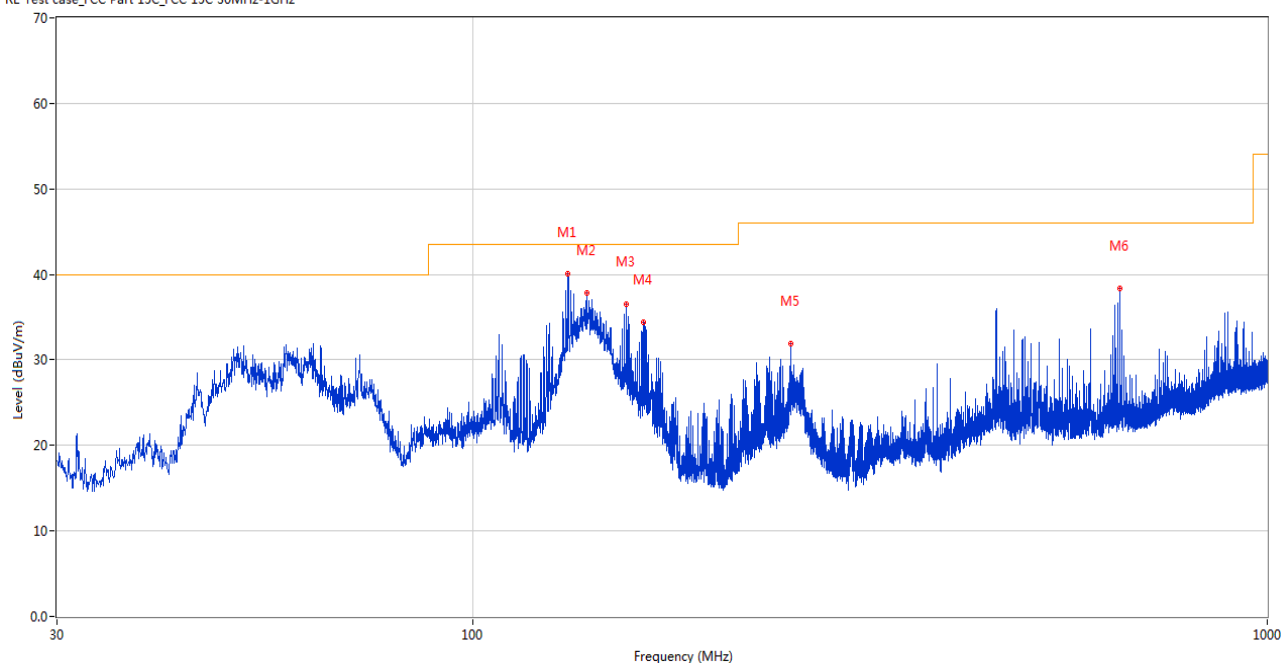
RE Test case_FCC Part 15C_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	156.294	31.36	-29.25	43.5	12.14	Peak	247.10	200	Horizontal	Pass
2	192.038	32.04	-26.33	43.5	11.46	Peak	247.10	100	Horizontal	Pass
3	467.955	32.69	-19.20	46.0	13.31	Peak	88.10	100	Horizontal	Pass
4	643.865	41.39	-14.22	46.0	4.61	Peak	116.50	100	Horizontal	Pass
5	696.002	41.14	-13.85	46.0	4.86	Peak	81.80	200	Horizontal	Pass
6	758.179	39.49	-11.76	46.0	6.51	Peak	116.50	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	131.947	40.01	-29.31	43.5	3.49	Peak	11.30	100	Vertical	Pass
2	139.319	37.84	-29.81	43.5	5.66	Peak	300.30	100	Vertical	Pass
3	156.197	36.52	-29.26	43.5	6.98	Peak	229.30	100	Vertical	Pass
4	164.296	34.40	-28.52	43.5	9.10	Peak	102.50	100	Vertical	Pass
5	251.500	31.85	-24.28	46.0	14.15	Peak	266.60	200	Vertical	Pass
6	652.206	38.42	-14.45	46.0	7.58	Peak	12.30	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.

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

Note ⁴: All antenna were pre tested, but only the worst case has been reported in this report.

SISO-Main Antenna

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.783	45.56	74.0	28.44	Peak	245.00	100	Horizontal	Pass
1**	1330.783	35.13	54.0	18.87	AV	245.00	100	Horizontal	Pass
2	2998.625	52.76	74.0	21.24	Peak	14.00	100	Horizontal	Pass
2**	2998.625	38.67	54.0	15.33	AV	14.00	100	Horizontal	Pass
3	4809.207	47.83	74.0	26.17	Peak	312.00	200	Horizontal	Pass
3**	4809.207	41.13	54.0	12.87	AV	312.00	200	Horizontal	Pass
4	6886.458	50.40	74.0	23.60	Peak	344.00	400	Horizontal	Pass
4**	6886.458	45.37	54.0	8.63	AV	344.00	400	Horizontal	Pass
5	12488.647	56.15	74.0	17.85	Peak	182.00	100	Horizontal	Pass
5**	12488.647	45.54	54.0	8.46	AV	182.00	100	Horizontal	Pass
6	17090.915	54.36	74.0	19.64	Peak	76.00	400	Horizontal	Pass
6**	17090.915	44.67	54.0	9.33	AV	76.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.988	43.52	74.0	30.48	Peak	238.00	100	Vertical	Pass
1**	1334.988	36.05	54.0	17.95	AV	238.00	100	Vertical	Pass
2	2983.683	52.80	74.0	21.20	Peak	330.00	200	Vertical	Pass
2**	2983.683	42.56	54.0	11.44	AV	330.00	200	Vertical	Pass
3	4857.153	47.78	74.0	26.22	Peak	191.00	200	Vertical	Pass
3**	4857.153	40.43	54.0	13.57	AV	191.00	200	Vertical	Pass
4	7927.161	54.66	74.0	19.34	Peak	28.00	100	Vertical	Pass
4**	7927.161	46.01	54.0	7.99	AV	28.00	100	Vertical	Pass
5	12991.752	52.20	74.0	21.80	Peak	67.00	300	Vertical	Pass
5**	12991.752	45.77	54.0	8.23	AV	67.00	300	Vertical	Pass
6	17013.776	53.09	74.0	20.91	Peak	55.00	300	Vertical	Pass
6**	17013.776	48.56	54.0	5.44	AV	55.00	300	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	1332.771	42.31	74.0	31.69	Peak	177.00	400	Horizontal	Pass
1**	1332.771	37.72	54.0	16.28	AV	177.00	400	Horizontal	Pass
2	3000.093	48.01	74.0	25.99	Peak	178.00	100	Horizontal	Pass
2**	3000.093	43.12	54.0	10.88	AV	178.00	100	Horizontal	Pass
3	4810.740	49.49	74.0	24.51	Peak	2.00	200	Horizontal	Pass
3**	4810.740	42.06	54.0	11.94	AV	2.00	200	Horizontal	Pass
4	6886.759	54.44	74.0	19.56	Peak	115.00	100	Horizontal	Pass
4**	6886.759	45.10	54.0	8.90	AV	115.00	100	Horizontal	Pass
5	12488.757	55.33	74.0	18.67	Peak	354.00	400	Horizontal	Pass
5**	12488.757	45.79	54.0	8.21	AV	354.00	400	Horizontal	Pass
6	17092.565	56.34	74.0	17.66	Peak	202.00	200	Horizontal	Pass
6**	17092.565	45.43	54.0	8.57	AV	202.00	200	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	1333.227	46.08	74.0	27.92	Peak	31.00	200	Vertical	Pass
1**	1333.227	40.66	54.0	13.34	AV	31.00	200	Vertical	Pass
2	2979.041	48.13	74.0	25.87	Peak	271.00	200	Vertical	Pass
2**	2979.041	38.93	54.0	15.07	AV	271.00	200	Vertical	Pass
3	4850.268	49.61	74.0	24.39	Peak	127.00	200	Vertical	Pass
3**	4850.268	42.27	54.0	11.73	AV	127.00	200	Vertical	Pass
4	7928.636	55.34	74.0	18.66	Peak	47.00	100	Vertical	Pass
4**	7928.636	47.39	54.0	6.61	AV	47.00	100	Vertical	Pass
5	12997.047	53.17	74.0	20.83	Peak	131.00	200	Vertical	Pass
5**	12997.047	43.87	54.0	10.13	AV	131.00	200	Vertical	Pass
6	17012.725	54.32	74.0	19.68	Peak	284.00	400	Vertical	Pass
6**	17012.725	46.94	54.0	7.06	AV	284.00	400	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	1331.135	45.94	74.0	28.06	Peak	182.00	100	Horizontal	Pass
1**	1331.135	33.94	54.0	20.06	AV	182.00	100	Horizontal	Pass
2	2993.863	52.59	74.0	21.41	Peak	76.00	200	Horizontal	Pass
2**	2993.863	41.55	54.0	12.45	AV	76.00	200	Horizontal	Pass
3	4809.521	46.75	74.0	27.25	Peak	70.00	200	Horizontal	Pass
3**	4809.521	38.50	54.0	15.50	AV	70.00	200	Horizontal	Pass
4	6889.199	50.76	74.0	23.24	Peak	37.00	300	Horizontal	Pass
4**	6889.199	43.64	54.0	10.36	AV	37.00	300	Horizontal	Pass
5	12491.849	53.92	74.0	20.08	Peak	157.00	100	Horizontal	Pass
5**	12491.849	47.12	54.0	6.88	AV	157.00	100	Horizontal	Pass
6	17091.776	57.93	74.0	16.07	Peak	277.00	200	Horizontal	Pass
6**	17091.776	47.80	54.0	6.20	AV	277.00	200	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	1330.248	45.84	74.0	28.16	Peak	61.00	300	Vertical	Pass
1**	1330.248	37.91	54.0	16.09	AV	61.00	300	Vertical	Pass
2	2985.602	51.66	74.0	22.34	Peak	109.00	200	Vertical	Pass
2**	2985.602	41.95	54.0	12.05	AV	109.00	200	Vertical	Pass
3	4854.120	51.34	74.0	22.66	Peak	340.00	200	Vertical	Pass
3**	4854.120	39.33	54.0	14.67	AV	340.00	200	Vertical	Pass
4	7930.102	53.23	74.0	20.77	Peak	175.00	400	Vertical	Pass
4**	7930.102	44.95	54.0	9.05	AV	175.00	400	Vertical	Pass
5	12993.793	50.95	74.0	23.05	Peak	41.00	200	Vertical	Pass
5**	12993.793	45.41	54.0	8.59	AV	41.00	200	Vertical	Pass
6	17015.759	56.50	74.0	17.50	Peak	24.00	100	Vertical	Pass
6**	17015.759	48.17	54.0	5.83	AV	24.00	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	1327.842	42.24	74.0	31.76	Peak	124.00	100	Horizontal	Pass
1**	1327.842	37.23	54.0	16.77	AV	124.00	100	Horizontal	Pass
2	2999.523	48.17	74.0	25.83	Peak	192.00	200	Horizontal	Pass
2**	2999.523	41.32	54.0	12.68	AV	192.00	200	Horizontal	Pass
3	4812.797	49.78	74.0	24.22	Peak	333.00	200	Horizontal	Pass
3**	4812.797	38.59	54.0	15.41	AV	333.00	200	Horizontal	Pass
4	6883.000	53.44	74.0	20.56	Peak	51.00	200	Horizontal	Pass
4**	6883.000	45.02	54.0	8.98	AV	51.00	200	Horizontal	Pass
5	12485.670	56.80	74.0	17.20	Peak	1.00	400	Horizontal	Pass
5**	12485.670	46.35	54.0	7.65	AV	1.00	400	Horizontal	Pass
6	17086.346	53.72	74.0	20.28	Peak	306.00	200	Horizontal	Pass
6**	17086.346	45.56	54.0	8.44	AV	306.00	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	1331.809	43.70	74.0	30.30	Peak	128.00	400	Vertical	Pass
1**	1331.809	38.43	54.0	15.57	AV	128.00	400	Vertical	Pass
2	2980.216	47.73	74.0	26.27	Peak	213.00	300	Vertical	Pass
2**	2980.216	39.74	54.0	14.26	AV	213.00	300	Vertical	Pass
3	4852.759	51.69	74.0	22.31	Peak	355.00	200	Vertical	Pass
3**	4852.759	39.77	54.0	14.23	AV	355.00	200	Vertical	Pass
4	7928.479	54.83	74.0	19.17	Peak	319.00	400	Vertical	Pass
4**	7928.479	45.64	54.0	8.36	AV	319.00	400	Vertical	Pass
5	12992.509	52.00	74.0	22.00	Peak	223.00	200	Vertical	Pass
5**	12992.509	44.40	54.0	9.60	AV	223.00	200	Vertical	Pass
6	17012.333	53.38	74.0	20.62	Peak	115.00	400	Vertical	Pass
6**	17012.333	43.71	54.0	10.29	AV	115.00	400	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	1329.801	45.92	74.0	28.08	Peak	296.00	200	Horizontal	Pass
1**	1329.801	35.18	54.0	18.82	AV	296.00	200	Horizontal	Pass
2	3000.086	51.23	74.0	22.77	Peak	265.00	300	Horizontal	Pass
2**	3000.086	43.40	54.0	10.60	AV	265.00	300	Horizontal	Pass
3	4808.274	49.00	74.0	25.00	Peak	184.00	200	Horizontal	Pass
3**	4808.274	41.99	54.0	12.01	AV	184.00	200	Horizontal	Pass
4	6883.120	55.78	74.0	18.22	Peak	230.00	100	Horizontal	Pass
4**	6883.120	44.58	54.0	9.42	AV	230.00	100	Horizontal	Pass
5	12487.620	52.41	74.0	21.59	Peak	140.00	200	Horizontal	Pass
5**	12487.620	46.52	54.0	7.48	AV	140.00	200	Horizontal	Pass
6	17091.169	56.10	74.0	17.90	Peak	292.00	100	Horizontal	Pass
6**	17091.169	46.14	54.0	7.86	AV	292.00	100	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	1329.430	47.54	74.0	26.46	Peak	176.00	300	Vertical	Pass
1**	1329.430	35.70	54.0	18.30	AV	176.00	300	Vertical	Pass
2	2985.076	47.63	74.0	26.37	Peak	322.00	300	Vertical	Pass
2**	2985.076	40.18	54.0	13.82	AV	322.00	300	Vertical	Pass
3	4850.534	51.12	74.0	22.88	Peak	23.00	200	Vertical	Pass
3**	4850.534	42.27	54.0	11.73	AV	23.00	200	Vertical	Pass
4	7931.893	52.25	74.0	21.75	Peak	154.00	300	Vertical	Pass
4**	7931.893	42.75	54.0	11.25	AV	154.00	300	Vertical	Pass
5	12993.938	55.29	74.0	18.71	Peak	129.00	100	Vertical	Pass
5**	12993.938	46.01	54.0	7.99	AV	129.00	100	Vertical	Pass
6	17014.898	56.50	74.0	17.50	Peak	324.00	300	Vertical	Pass
6**	17014.898	45.44	54.0	8.56	AV	324.00	300	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	1330.291	42.14	74.0	31.86	Peak	231.00	100	Horizontal	Pass
1**	1330.291	36.62	54.0	17.38	AV	231.00	100	Horizontal	Pass
2	2992.769	49.94	74.0	24.06	Peak	247.00	100	Horizontal	Pass
2**	2992.769	42.86	54.0	11.14	AV	247.00	100	Horizontal	Pass
3	4813.276	47.86	74.0	26.14	Peak	121.00	200	Horizontal	Pass
3**	4813.276	43.37	54.0	10.63	AV	121.00	200	Horizontal	Pass
4	6883.762	53.71	74.0	20.29	Peak	182.00	100	Horizontal	Pass
4**	6883.762	45.94	54.0	8.06	AV	182.00	100	Horizontal	Pass
5	12487.631	55.00	74.0	19.00	Peak	234.00	400	Horizontal	Pass
5**	12487.631	46.22	54.0	7.78	AV	234.00	400	Horizontal	Pass
6	17088.049	55.63	74.0	18.37	Peak	80.00	300	Horizontal	Pass
6**	17088.049	46.02	54.0	7.98	AV	80.00	300	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	1335.929	45.04	74.0	28.96	Peak	26.00	200	Vertical	Pass
1**	1335.929	37.51	54.0	16.49	AV	26.00	200	Vertical	Pass
2	2979.461	49.61	74.0	24.39	Peak	127.00	300	Vertical	Pass
2**	2979.461	43.38	54.0	10.62	AV	127.00	300	Vertical	Pass
3	4852.872	50.81	74.0	23.19	Peak	196.00	200	Vertical	Pass
3**	4852.872	37.90	54.0	16.10	AV	196.00	200	Vertical	Pass
4	7934.276	54.84	74.0	19.16	Peak	213.00	100	Vertical	Pass
4**	7934.276	42.97	54.0	11.03	AV	213.00	100	Vertical	Pass
5	12997.268	55.38	74.0	18.62	Peak	112.00	100	Vertical	Pass
5**	12997.268	46.48	54.0	7.52	AV	112.00	100	Vertical	Pass
6	17013.878	53.60	74.0	20.40	Peak	234.00	300	Vertical	Pass
6**	17013.878	47.84	54.0	6.16	AV	234.00	300	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	1325.802	46.76	74.0	27.24	Peak	334.00	200	Horizontal	Pass
1**	1325.802	39.51	54.0	14.49	AV	334.00	200	Horizontal	Pass
2	2999.258	47.73	74.0	26.27	Peak	209.00	200	Horizontal	Pass
2**	2999.258	41.72	54.0	12.28	AV	209.00	200	Horizontal	Pass
3	4807.682	48.98	74.0	25.02	Peak	211.00	200	Horizontal	Pass
3**	4807.682	42.49	54.0	11.51	AV	211.00	200	Horizontal	Pass
4	6882.664	53.23	74.0	20.77	Peak	28.00	400	Horizontal	Pass
4**	6882.664	43.05	54.0	10.95	AV	28.00	400	Horizontal	Pass
5	12486.713	56.38	74.0	17.62	Peak	302.00	400	Horizontal	Pass
5**	12486.713	44.18	54.0	9.82	AV	302.00	400	Horizontal	Pass
6	17092.621	54.41	74.0	19.59	Peak	81.00	400	Horizontal	Pass
6**	17092.621	48.16	54.0	5.84	AV	81.00	400	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	1336.192	43.74	74.0	30.26	Peak	324.00	200	Vertical	Pass
1**	1336.192	35.75	54.0	18.25	AV	324.00	200	Vertical	Pass
2	2984.699	49.76	74.0	24.24	Peak	98.00	300	Vertical	Pass
2**	2984.699	39.35	54.0	14.65	AV	98.00	300	Vertical	Pass
3	4854.400	47.58	74.0	26.42	Peak	282.00	200	Vertical	Pass
3**	4854.400	38.31	54.0	15.69	AV	282.00	200	Vertical	Pass
4	7931.407	55.88	74.0	18.12	Peak	173.00	400	Vertical	Pass
4**	7931.407	43.79	54.0	10.21	AV	173.00	400	Vertical	Pass
5	12994.476	55.07	74.0	18.93	Peak	27.00	100	Vertical	Pass
5**	12994.476	46.55	54.0	7.45	AV	27.00	100	Vertical	Pass
6	17017.513	55.53	74.0	18.47	Peak	319.00	400	Vertical	Pass
6**	17017.513	47.59	54.0	6.41	AV	319.00	400	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	1330.370	47.33	74.0	26.67	Peak	208.00	400	Horizontal	Pass
1**	1330.370	35.05	54.0	18.95	AV	208.00	400	Horizontal	Pass
2	2997.610	48.85	74.0	25.15	Peak	335.00	100	Horizontal	Pass
2**	2997.610	38.62	54.0	15.38	AV	335.00	100	Horizontal	Pass
3	4813.127	48.19	74.0	25.81	Peak	13.00	200	Horizontal	Pass
3**	4813.127	39.26	54.0	14.74	AV	13.00	200	Horizontal	Pass
4	6887.092	53.97	74.0	20.03	Peak	8.00	100	Horizontal	Pass
4**	6887.092	42.13	54.0	11.87	AV	8.00	100	Horizontal	Pass
5	12489.138	55.32	74.0	18.68	Peak	232.00	300	Horizontal	Pass
5**	12489.138	47.44	54.0	6.56	AV	232.00	300	Horizontal	Pass
6	17088.175	55.16	74.0	18.84	Peak	229.00	400	Horizontal	Pass
6**	17088.175	46.73	54.0	7.27	AV	229.00	400	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	1331.701	46.13	74.0	27.87	Peak	328.00	200	Vertical	Pass
1**	1331.701	38.05	54.0	15.95	AV	328.00	200	Vertical	Pass
2	2979.789	53.40	74.0	20.60	Peak	109.00	100	Vertical	Pass
2**	2979.789	41.93	54.0	12.07	AV	109.00	100	Vertical	Pass
3	4855.306	49.14	74.0	24.86	Peak	300.00	200	Vertical	Pass
3**	4855.306	39.43	54.0	14.57	AV	300.00	200	Vertical	Pass
4	7929.114	53.77	74.0	20.23	Peak	187.00	300	Vertical	Pass
4**	7929.114	41.68	54.0	12.32	AV	187.00	300	Vertical	Pass
5	12991.782	54.43	74.0	19.57	Peak	27.00	100	Vertical	Pass
5**	12991.782	47.69	54.0	6.31	AV	27.00	100	Vertical	Pass
6	17017.851	57.86	74.0	16.14	Peak	166.00	300	Vertical	Pass
6**	17017.851	47.24	54.0	6.76	AV	166.00	300	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	1333.122	45.74	74.0	28.26	Peak	250.00	200	Horizontal	Pass
1**	1333.122	34.26	54.0	19.74	AV	250.00	200	Horizontal	Pass
2	3000.191	52.87	74.0	21.13	Peak	63.00	200	Horizontal	Pass
2**	3000.191	39.41	54.0	14.59	AV	63.00	200	Horizontal	Pass
3	4811.801	46.62	74.0	27.38	Peak	214.00	200	Horizontal	Pass
3**	4811.801	41.97	54.0	12.03	AV	214.00	200	Horizontal	Pass
4	6883.760	51.85	74.0	22.15	Peak	279.00	400	Horizontal	Pass
4**	6883.760	44.86	54.0	9.14	AV	279.00	400	Horizontal	Pass
5	12488.526	53.43	74.0	20.57	Peak	85.00	400	Horizontal	Pass
5**	12488.526	44.04	54.0	9.96	AV	85.00	400	Horizontal	Pass
6	17086.386	52.60	74.0	21.40	Peak	269.00	400	Horizontal	Pass
6**	17086.386	47.38	54.0	6.62	AV	269.00	400	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	1335.816	48.01	74.0	25.99	Peak	73.00	400	Vertical	Pass
1**	1335.816	39.33	54.0	14.67	AV	73.00	400	Vertical	Pass
2	2978.873	48.46	74.0	25.54	Peak	141.00	200	Vertical	Pass
2**	2978.873	40.93	54.0	13.07	AV	141.00	200	Vertical	Pass
3	4856.681	47.37	74.0	26.63	Peak	73.00	200	Vertical	Pass
3**	4856.681	41.52	54.0	12.48	AV	73.00	200	Vertical	Pass
4	7927.616	52.05	74.0	21.95	Peak	243.00	300	Vertical	Pass
4**	7927.616	42.67	54.0	11.33	AV	243.00	300	Vertical	Pass
5	12994.728	50.99	74.0	23.01	Peak	155.00	100	Vertical	Pass
5**	12994.728	44.42	54.0	9.58	AV	155.00	100	Vertical	Pass
6	17015.821	54.40	74.0	19.60	Peak	298.00	300	Vertical	Pass
6**	17015.821	46.40	54.0	7.60	AV	298.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.314	47.44	74.0	26.56	Peak	84.00	100	Horizontal	Pass
1**	1330.314	34.40	54.0	19.60	AV	84.00	100	Horizontal	Pass
2	2993.838	47.67	74.0	26.33	Peak	169.00	400	Horizontal	Pass
2**	2993.838	40.55	54.0	13.45	AV	169.00	400	Horizontal	Pass
3	4808.077	46.70	74.0	27.30	Peak	323.00	200	Horizontal	Pass
3**	4808.077	40.05	54.0	13.95	AV	323.00	200	Horizontal	Pass
4	6884.907	55.42	74.0	18.58	Peak	356.00	300	Horizontal	Pass
4**	6884.907	46.26	54.0	7.74	AV	356.00	300	Horizontal	Pass
5	12491.465	53.96	74.0	20.04	Peak	133.00	400	Horizontal	Pass
5**	12491.465	44.66	54.0	9.34	AV	133.00	400	Horizontal	Pass
6	17090.736	57.22	74.0	16.78	Peak	194.00	300	Horizontal	Pass
6**	17090.736	45.10	54.0	8.90	AV	194.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.605	47.45	74.0	26.55	Peak	222.00	400	Vertical	Pass
1**	1332.605	37.50	54.0	16.50	AV	222.00	400	Vertical	Pass
2	2982.864	48.87	74.0	25.13	Peak	312.00	200	Vertical	Pass
2**	2982.864	42.67	54.0	11.33	AV	312.00	200	Vertical	Pass
3	4851.621	48.45	74.0	25.55	Peak	125.00	200	Vertical	Pass
3**	4851.621	38.41	54.0	15.59	AV	125.00	200	Vertical	Pass
4	7928.224	53.41	74.0	20.59	Peak	355.00	100	Vertical	Pass
4**	7928.224	45.68	54.0	8.32	AV	355.00	100	Vertical	Pass
5	12993.272	52.56	74.0	21.44	Peak	242.00	100	Vertical	Pass
5**	12993.272	41.99	54.0	12.01	AV	242.00	100	Vertical	Pass
6	17015.250	52.55	74.0	21.45	Peak	123.00	400	Vertical	Pass
6**	17015.250	48.10	54.0	5.90	AV	123.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.649	45.24	74.0	28.76	Peak	54.00	200	Horizontal	Pass
1**	1328.649	37.37	54.0	16.63	AV	54.00	200	Horizontal	Pass
2	2994.557	47.33	74.0	26.67	Peak	21.00	100	Horizontal	Pass
2**	2994.557	43.89	54.0	10.11	AV	21.00	100	Horizontal	Pass
3	4812.517	49.70	74.0	24.30	Peak	148.00	200	Horizontal	Pass
3**	4812.517	43.07	54.0	10.93	AV	148.00	200	Horizontal	Pass
4	6883.516	55.30	74.0	18.70	Peak	279.00	400	Horizontal	Pass
4**	6883.516	42.04	54.0	11.96	AV	279.00	400	Horizontal	Pass
5	12485.472	52.02	74.0	21.98	Peak	12.00	200	Horizontal	Pass
5**	12485.472	44.48	54.0	9.52	AV	12.00	200	Horizontal	Pass
6	17086.909	54.20	74.0	19.80	Peak	66.00	300	Horizontal	Pass
6**	17086.909	48.65	54.0	5.35	AV	66.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.070	44.06	74.0	29.94	Peak	348.00	400	Vertical	Pass
1**	1330.070	39.30	54.0	14.70	AV	348.00	400	Vertical	Pass
2	2985.969	50.35	74.0	23.65	Peak	188.00	200	Vertical	Pass
2**	2985.969	43.96	54.0	10.04	AV	188.00	200	Vertical	Pass
3	4852.221	48.77	74.0	25.23	Peak	315.00	200	Vertical	Pass
3**	4852.221	39.55	54.0	14.45	AV	315.00	200	Vertical	Pass
4	7933.153	51.07	74.0	22.93	Peak	310.00	400	Vertical	Pass
4**	7933.153	47.19	54.0	6.81	AV	310.00	400	Vertical	Pass
5	12994.273	53.25	74.0	20.75	Peak	30.00	300	Vertical	Pass
5**	12994.273	45.09	54.0	8.91	AV	30.00	300	Vertical	Pass
6	17012.875	58.22	74.0	15.78	Peak	41.00	200	Vertical	Pass
6**	17012.875	45.92	54.0	8.08	AV	41.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.305	45.83	74.0	28.17	Peak	39.00	300	Horizontal	Pass
1**	1328.305	36.95	54.0	17.05	AV	39.00	300	Horizontal	Pass
2	2993.988	52.98	74.0	21.02	Peak	292.00	200	Horizontal	Pass
2**	2993.988	39.75	54.0	14.25	AV	292.00	200	Horizontal	Pass
3	4813.950	49.89	74.0	24.11	Peak	238.00	200	Horizontal	Pass
3**	4813.950	38.36	54.0	15.64	AV	238.00	200	Horizontal	Pass
4	6882.595	50.59	74.0	23.41	Peak	108.00	300	Horizontal	Pass
4**	6882.595	45.53	54.0	8.47	AV	108.00	300	Horizontal	Pass
5	12490.679	52.28	74.0	21.72	Peak	231.00	400	Horizontal	Pass
5**	12490.679	47.12	54.0	6.88	AV	231.00	400	Horizontal	Pass
6	17086.913	57.52	74.0	16.48	Peak	181.00	300	Horizontal	Pass
6**	17086.913	48.28	54.0	5.72	AV	181.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.273	47.10	74.0	26.90	Peak	107.00	200	Vertical	Pass
1**	1329.273	37.05	54.0	16.95	AV	107.00	200	Vertical	Pass
2	2983.190	52.11	74.0	21.89	Peak	209.00	400	Vertical	Pass
2**	2983.190	40.06	54.0	13.94	AV	209.00	400	Vertical	Pass
3	4856.571	52.31	74.0	21.69	Peak	51.00	200	Vertical	Pass
3**	4856.571	38.32	54.0	15.68	AV	51.00	200	Vertical	Pass
4	7927.598	52.83	74.0	21.17	Peak	173.00	100	Vertical	Pass
4**	7927.598	42.21	54.0	11.79	AV	173.00	100	Vertical	Pass
5	12993.533	56.38	74.0	17.62	Peak	224.00	300	Vertical	Pass
5**	12993.533	45.52	54.0	8.48	AV	224.00	300	Vertical	Pass
6	17011.799	56.43	74.0	17.57	Peak	331.00	400	Vertical	Pass
6**	17011.799	47.84	54.0	6.16	AV	331.00	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	1327.281	47.13	74.0	26.87	Peak	232.00	400	Horizontal	Pass
1**	1327.281	39.43	54.0	14.57	AV	232.00	400	Horizontal	Pass
2	2996.898	50.73	74.0	23.27	Peak	50.00	300	Horizontal	Pass
2**	2996.898	39.33	54.0	14.67	AV	50.00	300	Horizontal	Pass
3	4813.850	47.20	74.0	26.80	Peak	268.00	200	Horizontal	Pass
3**	4813.850	39.21	54.0	14.79	AV	268.00	200	Horizontal	Pass
4	6885.700	51.60	74.0	22.40	Peak	201.00	300	Horizontal	Pass
4**	6885.700	44.11	54.0	9.89	AV	201.00	300	Horizontal	Pass
5	12489.114	51.54	74.0	22.46	Peak	184.00	200	Horizontal	Pass
5**	12489.114	42.13	54.0	11.87	AV	184.00	200	Horizontal	Pass
6	17091.514	54.48	74.0	19.52	Peak	62.00	300	Horizontal	Pass
6**	17091.514	43.26	54.0	10.74	AV	62.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V802.11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.412	44.39	74.0	29.61	Peak	138.00	300	Vertical	Pass
1**	1330.412	36.20	54.0	17.80	AV	138.00	300	Vertical	Pass
2	2982.322	51.25	74.0	22.75	Peak	343.00	100	Vertical	Pass
2**	2982.322	42.95	54.0	11.05	AV	343.00	100	Vertical	Pass
3	4851.714	47.77	74.0	26.23	Peak	114.00	200	Vertical	Pass
3**	4851.714	41.44	54.0	12.56	AV	114.00	200	Vertical	Pass
4	7926.955	54.06	74.0	19.94	Peak	232.00	400	Vertical	Pass
4**	7926.955	42.17	54.0	11.83	AV	232.00	400	Vertical	Pass
5	12997.426	55.10	74.0	18.90	Peak	308.00	200	Vertical	Pass
5**	12997.426	46.44	54.0	7.56	AV	308.00	200	Vertical	Pass
6	17014.301	57.50	74.0	16.50	Peak	11.00	400	Vertical	Pass
6**	17014.301	48.16	54.0	5.84	AV	11.00	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	1328.107	42.93	74.0	31.07	Peak	338.00	100	Horizontal	Pass
1**	1328.107	36.01	54.0	17.99	AV	338.00	100	Horizontal	Pass
2	2997.792	49.82	74.0	24.18	Peak	255.00	100	Horizontal	Pass
2**	2997.792	42.60	54.0	11.40	AV	255.00	100	Horizontal	Pass
3	4812.518	49.36	74.0	24.64	Peak	51.00	200	Horizontal	Pass
3**	4812.518	40.04	54.0	13.96	AV	51.00	200	Horizontal	Pass
4	6888.230	53.96	74.0	20.04	Peak	171.00	400	Horizontal	Pass
4**	6888.230	42.87	54.0	11.13	AV	171.00	400	Horizontal	Pass
5	12485.527	56.28	74.0	17.72	Peak	45.00	200	Horizontal	Pass
5**	12485.527	47.24	54.0	6.76	AV	45.00	200	Horizontal	Pass
6	17088.791	56.87	74.0	17.13	Peak	186.00	200	Horizontal	Pass
6**	17088.791	45.10	54.0	8.90	AV	186.00	200	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	1336.042	45.96	74.0	28.04	Peak	197.00	400	Vertical	Pass
1**	1336.042	35.30	54.0	18.70	AV	197.00	400	Vertical	Pass
2	2980.842	47.88	74.0	26.12	Peak	21.00	100	Vertical	Pass
2**	2980.842	43.68	54.0	10.32	AV	21.00	100	Vertical	Pass
3	4857.346	48.22	74.0	25.78	Peak	258.00	200	Vertical	Pass
3**	4857.346	41.60	54.0	12.40	AV	258.00	200	Vertical	Pass
4	7934.202	55.19	74.0	18.81	Peak	264.00	400	Vertical	Pass
4**	7934.202	46.95	54.0	7.05	AV	264.00	400	Vertical	Pass
5	12993.806	55.71	74.0	18.29	Peak	262.00	200	Vertical	Pass
5**	12993.806	47.30	54.0	6.70	AV	262.00	200	Vertical	Pass
6	17014.600	55.15	74.0	18.85	Peak	226.00	300	Vertical	Pass
6**	17014.600	44.13	54.0	9.87	AV	226.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H802.11ax20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.668	43.84	74.0	30.16	Peak	239.00	400	Horizontal	Pass
1**	1333.668	37.90	54.0	16.10	AV	239.00	400	Horizontal	Pass
2	3000.300	48.17	74.0	25.83	Peak	359.00	100	Horizontal	Pass
2**	3000.300	40.81	54.0	13.19	AV	359.00	100	Horizontal	Pass
3	4813.342	49.77	74.0	24.23	Peak	307.00	200	Horizontal	Pass
3**	4813.342	38.31	54.0	15.69	AV	307.00	200	Horizontal	Pass
4	6887.952	50.66	74.0	23.34	Peak	85.00	300	Horizontal	Pass
4**	6887.952	47.09	54.0	6.91	AV	85.00	300	Horizontal	Pass
5	12490.248	55.31	74.0	18.69	Peak	317.00	400	Horizontal	Pass
5**	12490.248	44.05	54.0	9.95	AV	317.00	400	Horizontal	Pass
6	17090.711	55.01	74.0	18.99	Peak	37.00	100	Horizontal	Pass
6**	17090.711	46.12	54.0	7.88	AV	37.00	100	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	1330.400	46.35	74.0	27.65	Peak	84.00	400	Vertical	Pass
1**	1330.400	36.05	54.0	17.95	AV	84.00	400	Vertical	Pass
2	2984.220	47.56	74.0	26.44	Peak	38.00	400	Vertical	Pass
2**	2984.220	44.22	54.0	9.78	AV	38.00	400	Vertical	Pass
3	4854.525	51.90	74.0	22.10	Peak	25.00	200	Vertical	Pass
3**	4854.525	42.09	54.0	11.91	AV	25.00	200	Vertical	Pass
4	7928.058	56.19	74.0	17.81	Peak	29.00	300	Vertical	Pass
4**	7928.058	43.68	54.0	10.32	AV	29.00	300	Vertical	Pass
5	12996.881	51.94	74.0	22.06	Peak	174.00	200	Vertical	Pass
5**	12996.881	44.40	54.0	9.60	AV	174.00	200	Vertical	Pass
6	17012.617	54.75	74.0	19.25	Peak	332.00	300	Vertical	Pass
6**	17012.617	48.28	54.0	5.72	AV	332.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax40(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.128	46.74	74.0	27.26	Peak	141.00	300	Horizontal	Pass
1**	1328.128	34.92	54.0	19.08	AV	141.00	300	Horizontal	Pass
2	2997.433	49.26	74.0	24.74	Peak	41.00	100	Horizontal	Pass
2**	2997.433	40.03	54.0	13.97	AV	41.00	100	Horizontal	Pass
3	4812.786	48.58	74.0	25.42	Peak	62.00	200	Horizontal	Pass
3**	4812.786	39.82	54.0	14.18	AV	62.00	200	Horizontal	Pass
4	6886.954	51.90	74.0	22.10	Peak	124.00	400	Horizontal	Pass
4**	6886.954	46.95	54.0	7.05	AV	124.00	400	Horizontal	Pass
5	12484.806	55.11	74.0	18.89	Peak	234.00	200	Horizontal	Pass
5**	12484.806	46.16	54.0	7.84	AV	234.00	200	Horizontal	Pass
6	17091.220	55.17	74.0	18.83	Peak	219.00	400	Horizontal	Pass
6**	17091.220	48.45	54.0	5.55	AV	219.00	400	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax40(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.720	45.95	74.0	28.05	Peak	68.00	100	Vertical	Pass
1**	1331.720	39.65	54.0	14.35	AV	68.00	100	Vertical	Pass
2	2981.056	47.48	74.0	26.52	Peak	282.00	300	Vertical	Pass
2**	2981.056	39.98	54.0	14.02	AV	282.00	300	Vertical	Pass
3	4856.369	47.85	74.0	26.15	Peak	270.00	200	Vertical	Pass
3**	4856.369	43.41	54.0	10.59	AV	270.00	200	Vertical	Pass
4	7933.691	51.33	74.0	22.67	Peak	60.00	100	Vertical	Pass
4**	7933.691	42.07	54.0	11.93	AV	60.00	100	Vertical	Pass
5	12997.649	51.75	74.0	22.25	Peak	316.00	400	Vertical	Pass
5**	12997.649	46.01	54.0	7.99	AV	316.00	400	Vertical	Pass
6	17016.674	54.47	74.0	19.53	Peak	40.00	100	Vertical	Pass
6**	17016.674	47.42	54.0	6.58	AV	40.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax40(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.466	42.61	74.0	31.39	Peak	64.00	100	Horizontal	Pass
1**	1328.466	36.47	54.0	17.53	AV	64.00	100	Horizontal	Pass
2	2998.350	51.71	74.0	22.29	Peak	295.00	400	Horizontal	Pass
2**	2998.350	43.96	54.0	10.04	AV	295.00	400	Horizontal	Pass
3	4811.507	51.12	74.0	22.88	Peak	25.00	200	Horizontal	Pass
3**	4811.507	40.48	54.0	13.52	AV	25.00	200	Horizontal	Pass
4	6885.903	51.45	74.0	22.55	Peak	80.00	400	Horizontal	Pass
4**	6885.903	45.86	54.0	8.14	AV	80.00	400	Horizontal	Pass
5	12488.258	56.71	74.0	17.29	Peak	114.00	300	Horizontal	Pass
5**	12488.258	44.62	54.0	9.38	AV	114.00	300	Horizontal	Pass
6	17092.438	53.38	74.0	20.62	Peak	145.00	200	Horizontal	Pass
6**	17092.438	47.98	54.0	6.02	AV	145.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax40(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.505	44.22	74.0	29.78	Peak	92.00	300	Vertical	Pass
1**	1332.505	35.27	54.0	18.73	AV	92.00	300	Vertical	Pass
2	2981.156	49.61	74.0	24.39	Peak	80.00	100	Vertical	Pass
2**	2981.156	39.67	54.0	14.33	AV	80.00	100	Vertical	Pass
3	4853.897	52.42	74.0	21.58	Peak	339.00	200	Vertical	Pass
3**	4853.897	42.43	54.0	11.57	AV	339.00	200	Vertical	Pass
4	7927.391	51.69	74.0	22.31	Peak	45.00	100	Vertical	Pass
4**	7927.391	42.31	54.0	11.69	AV	45.00	100	Vertical	Pass
5	12990.444	51.13	74.0	22.87	Peak	261.00	200	Vertical	Pass
5**	12990.444	42.69	54.0	11.31	AV	261.00	200	Vertical	Pass
6	17013.991	56.85	74.0	17.15	Peak	126.00	200	Vertical	Pass
6**	17013.991	47.53	54.0	6.47	AV	126.00	200	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax40(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.546	42.84	74.0	31.16	Peak	333.00	400	Horizontal	Pass
1**	1330.546	37.81	54.0	16.19	AV	333.00	400	Horizontal	Pass
2	2998.588	49.14	74.0	24.86	Peak	332.00	400	Horizontal	Pass
2**	2998.588	43.14	54.0	10.86	AV	332.00	400	Horizontal	Pass
3	4809.909	52.50	74.0	21.50	Peak	284.00	200	Horizontal	Pass
3**	4809.909	38.95	54.0	15.05	AV	284.00	200	Horizontal	Pass
4	6888.167	51.34	74.0	22.66	Peak	232.00	100	Horizontal	Pass
4**	6888.167	46.27	54.0	7.73	AV	232.00	100	Horizontal	Pass
5	12487.230	54.77	74.0	19.23	Peak	197.00	200	Horizontal	Pass
5**	12487.230	46.57	54.0	7.43	AV	197.00	200	Horizontal	Pass
6	17089.857	52.36	74.0	21.64	Peak	355.00	300	Horizontal	Pass
6**	17089.857	45.80	54.0	8.20	AV	355.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax40(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.886	47.59	74.0	26.41	Peak	240.00	400	Vertical	Pass
1**	1336.886	39.48	54.0	14.52	AV	240.00	400	Vertical	Pass
2	2979.453	50.04	74.0	23.96	Peak	3.00	200	Vertical	Pass
2**	2979.453	43.19	54.0	10.81	AV	3.00	200	Vertical	Pass
3	4853.993	50.05	74.0	23.95	Peak	265.00	200	Vertical	Pass
3**	4853.993	38.47	54.0	15.53	AV	265.00	200	Vertical	Pass
4	7933.852	51.92	74.0	22.08	Peak	96.00	100	Vertical	Pass
4**	7933.852	47.29	54.0	6.71	AV	96.00	100	Vertical	Pass
5	12996.327	50.61	74.0	23.39	Peak	194.00	100	Vertical	Pass
5**	12996.327	43.51	54.0	10.49	AV	194.00	100	Vertical	Pass
6	17018.168	53.21	74.0	20.79	Peak	227.00	200	Vertical	Pass
6**	17018.168	48.44	54.0	5.56	AV	227.00	200	Vertical	Pass

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

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

Note ²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

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

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

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

Test Data and Plots

SISO-Main Antenna

802.11b LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2385.881	57.68	74.0	16.32	Peak	66.00	200	Horizontal	Pass
1**	2385.881	49.48	54.0	4.52	AV	66.00	200	Horizontal	Pass
2	2390.000	53.62	74.0	20.38	Peak	260.00	100	Horizontal	Pass
2**	2390.000	46.9	54.0	7.10	AV	260.00	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	54.62	74.0	19.38	Peak	239.00	100	Horizontal	Pass
1**	2483.500	46.25	54.0	7.75	AV	239.00	100	Horizontal	Pass
2	2488.330	56.36	74.0	17.64	Peak	200.00	300	Horizontal	Pass
2**	2488.330	47.93	54.0	6.07	AV	200.00	300	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	2383.983	57.5	74.0	16.50	Peak	282.00	100	Horizontal	Pass
1**	2383.983	51.38	54.0	2.62	AV	282.00	100	Horizontal	Pass
2	2390.000	56.41	74.0	17.59	Peak	322.00	200	Horizontal	Pass
2**	2390.000	46.51	54.0	7.49	AV	322.00	200	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	57.45	74.0	16.55	Peak	309.00	200	Horizontal	Pass
1**	2483.500	44.89	54.0	9.11	AV	309.00	200	Horizontal	Pass
2	2486.365	58.55	74.0	15.45	Peak	163.00	100	Horizontal	Pass
2**	2486.365	49.9	54.0	4.10	AV	163.00	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	2383.793	57.32	74.0	16.68	Peak	311.00	100	Horizontal	Pass
1**	2383.793	47.99	54.0	6.01	AV	311.00	100	Horizontal	Pass
2	2390.000	53.51	74.0	20.49	Peak	89.00	300	Horizontal	Pass
2**	2390.000	43.98	54.0	10.02	AV	89.00	300	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	54.36	74.0	19.64	Peak	26.00	300	Horizontal	Pass
1**	2483.500	46.3	54.0	7.70	AV	26.00	300	Horizontal	Pass
2	2486.977	56.84	74.0	17.16	Peak	102.00	100	Horizontal	Pass
2**	2486.977	48.91	54.0	5.09	AV	102.00	100	Horizontal	Pass

802.11n40 LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2384.043	58.2	74.0	15.80	Peak	60.00	300	Horizontal	Pass
1**	2384.043	47.99	54.0	6.01	AV	60.00	300	Horizontal	Pass
2	2390.000	53.67	74.0	20.33	Peak	355.00	100	Horizontal	Pass
2**	2390.000	45.94	54.0	8.06	AV	355.00	100	Horizontal	Pass

802.11n40 HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	57.16	74.0	16.84	Peak	293.00	300	Horizontal	Pass
1**	2483.500	45.29	54.0	8.71	AV	293.00	300	Horizontal	Pass
2	2488.581	59.69	74.0	14.31	Peak	137.00	100	Horizontal	Pass
2**	2488.581	46.4	54.0	7.60	AV	137.00	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	2383.903	58.64	74.0	15.36	Peak	332.00	100	Horizontal	Pass
1**	2383.903	51.45	54.0	2.55	AV	332.00	100	Horizontal	Pass
2	2390.000	53.82	74.0	20.18	Peak	345.00	300	Horizontal	Pass
2**	2390.000	47.38	54.0	6.62	AV	345.00	300	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	2483.500	54.93	74.0	19.07	Peak	88.00	200	Horizontal	Pass
1**	2483.500	46.92	54.0	7.08	AV	88.00	200	Horizontal	Pass
2	2486.547	59.71	74.0	14.29	Peak	256.00	300	Horizontal	Pass
2**	2486.547	48.08	54.0	5.92	AV	256.00	300	Horizontal	Pass

802.11ax40(SU) LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2384.820	57.39	74.0	16.61	Peak	126.00	100	Horizontal	Pass
1**	2384.820	50.9	54.0	3.10	AV	126.00	100	Horizontal	Pass
2	2390.000	55.33	74.0	18.67	Peak	293.00	200	Horizontal	Pass
2**	2390.000	45.44	54.0	8.56	AV	293.00	200	Horizontal	Pass

802.11ax40(SU) HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.52	74.0	19.48	Peak	246.00	100	Horizontal	Pass
1**	2483.500	44.24	54.0	9.76	AV	246.00	100	Horizontal	Pass
2	2487.650	59.51	74.0	14.49	Peak	250.00	200	Horizontal	Pass
2**	2487.650	46.99	54.0	7.01	AV	250.00	200	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Note ¹: All the configurations were pre tested, only the worst configuration has been reported in this report.

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

Test Data

SISO-Main Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.83	8
Middle	-5.93	8
High	-7.70	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.71	8
Middle	-4.70	8
High	-9.31	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.15	8
Middle	-5.08	8
High	-8.64	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.36	8
Middle	-10.04	8
High	-14.65	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.11	8
Middle	-6.96	8
High	-10.09	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.07	8
Middle	-10.78	8
High	-12.84	8

802.11ax-20 MHz(RU26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.78	8
Middle	-6.35	8
High	-5.91	8

802.11ax-40 MHz(RU26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.37	8
Middle	-9.76	8
High	-5.44	8

Test Plots

SISO-Main Antenna

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



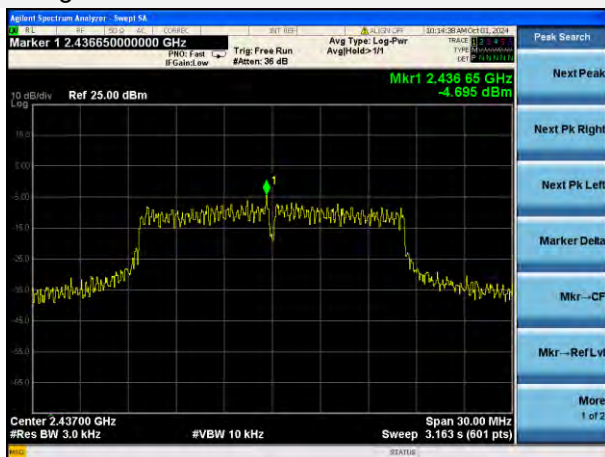
802.11b HIGH CHANNEL



802.11g LOW CHANNEL



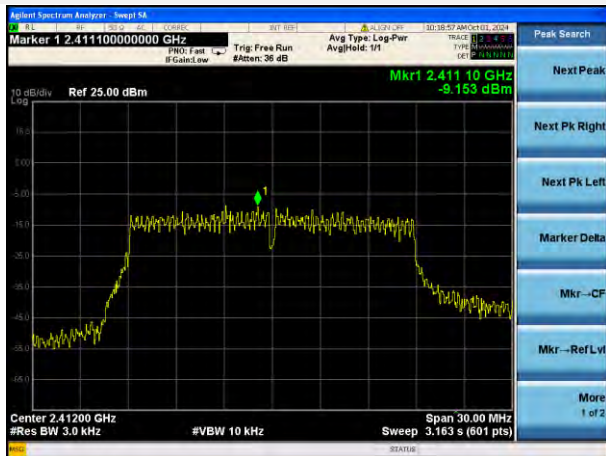
802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL



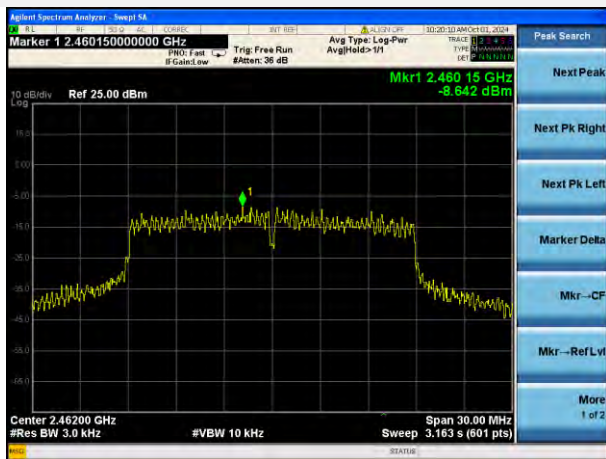
802.11n-20 MHz LOW CHANNEL



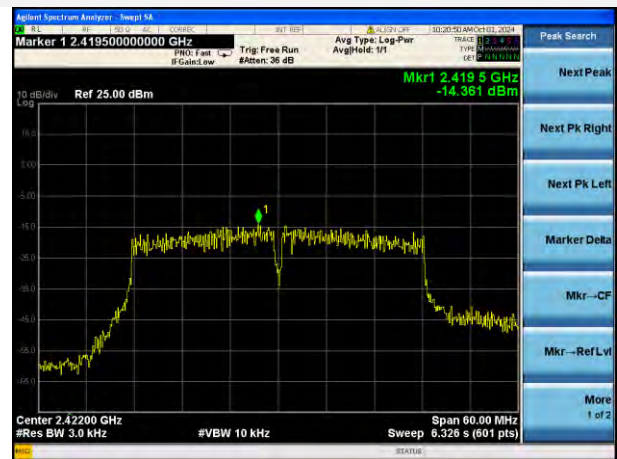
802.11n-20 MHz MIDDLE CHANNEL



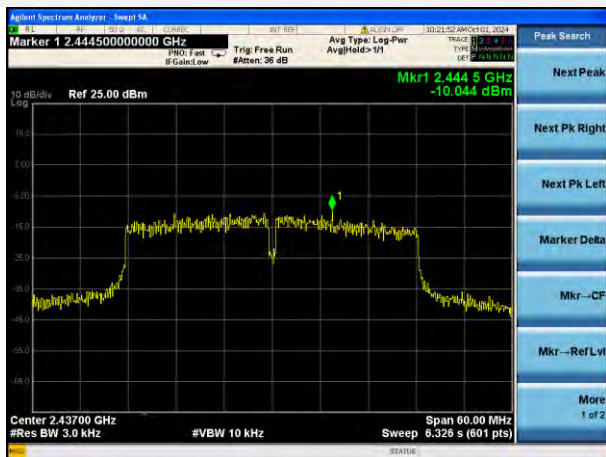
802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL



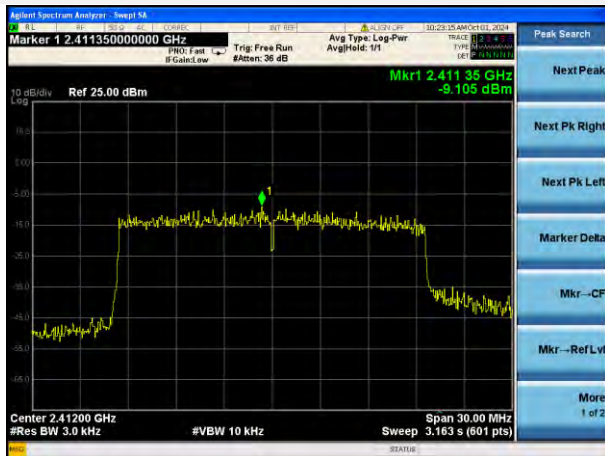
802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



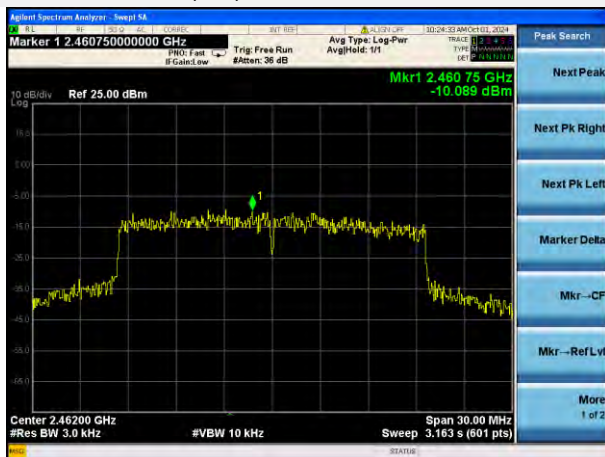
802.11ax-20 MHz(SU) LOW CHANNEL



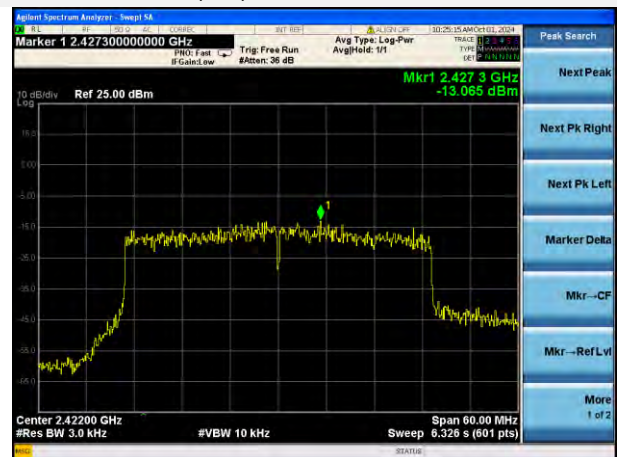
802.11ax-20 MHz(SU) MIDDLE CHANNEL



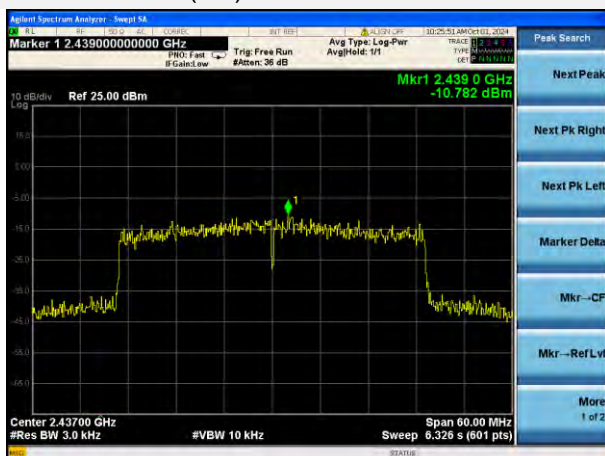
802.11ax-20 MHz(SU) HIGH CHANNEL



802.11ax-40 MHz(SU) LOW CHANNEL



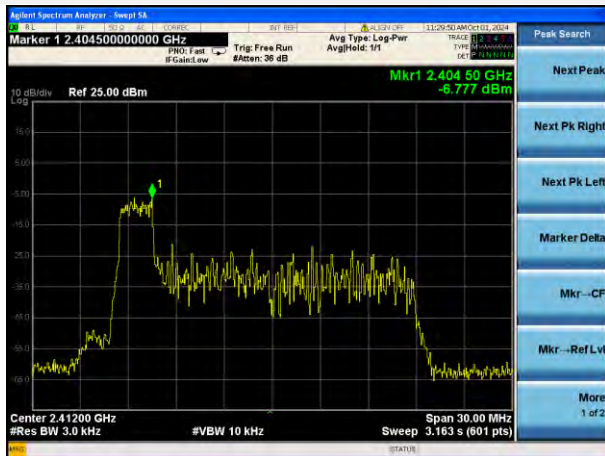
802.11ax-40 MHz(SU) MIDDLE CHANNEL



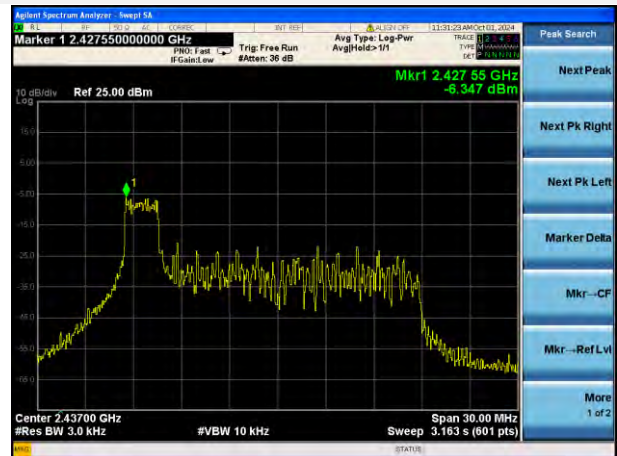
802.11ax-40 MHz(SU) HIGH CHANNEL



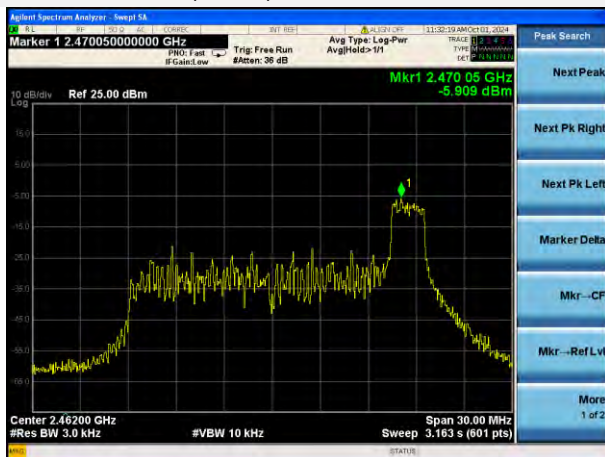
802.11ax-20 MHz(RU26) LOW CHANNEL



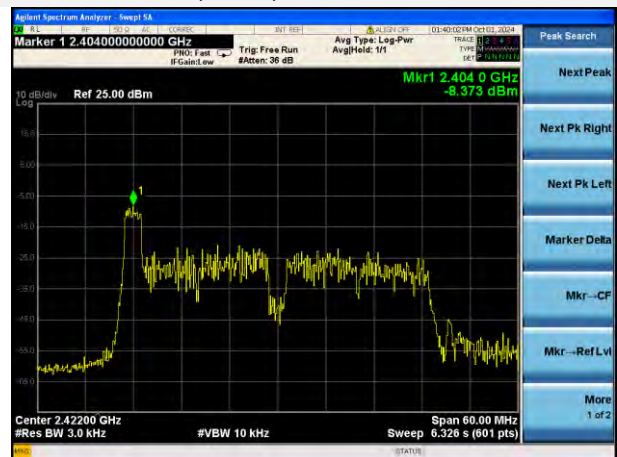
802.11ax-20 MHz(RU26) MIDDLE CHANNEL



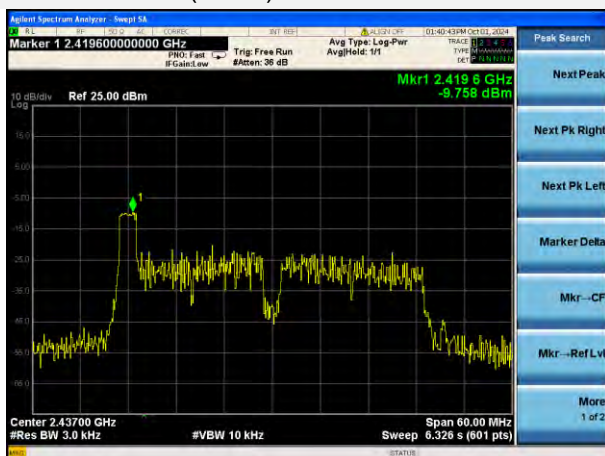
802.11ax-20 MHz(RU26) HIGH CHANNEL



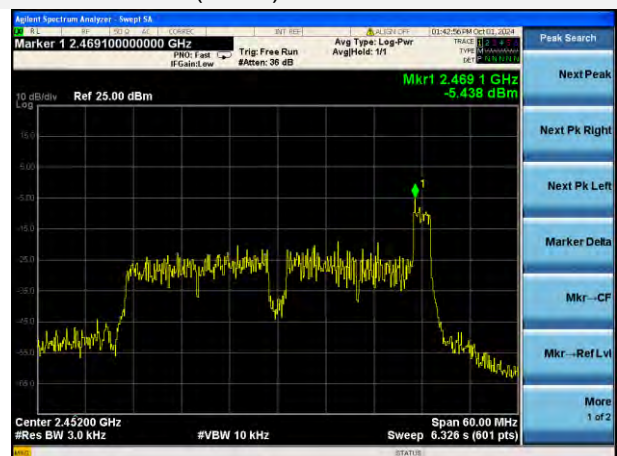
802.11ax-40 MHz(RU26) LOW CHANNEL



802.11ax-40 MHz(RU26) MIDDLE CHANNEL



802.11ax-40 MHz(RU26) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2490583-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2490583-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2490583-AI.PDF”.

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--END OF REPORT--