

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.

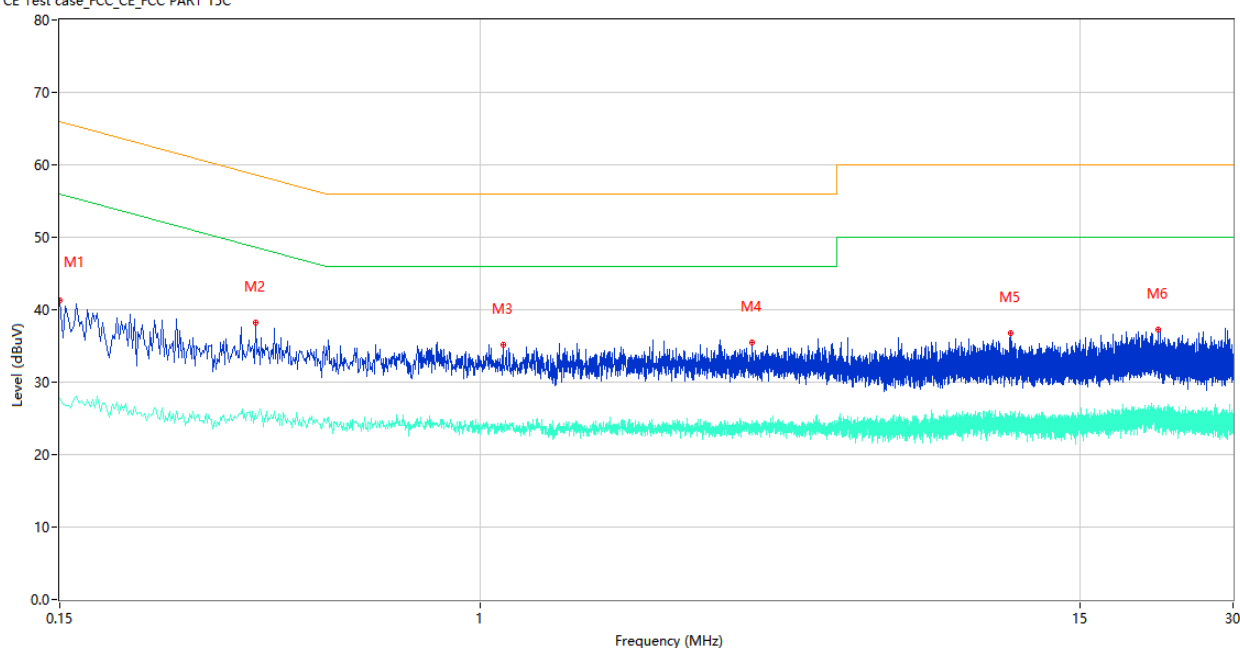
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

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

Test Data and Plots

PHASE L

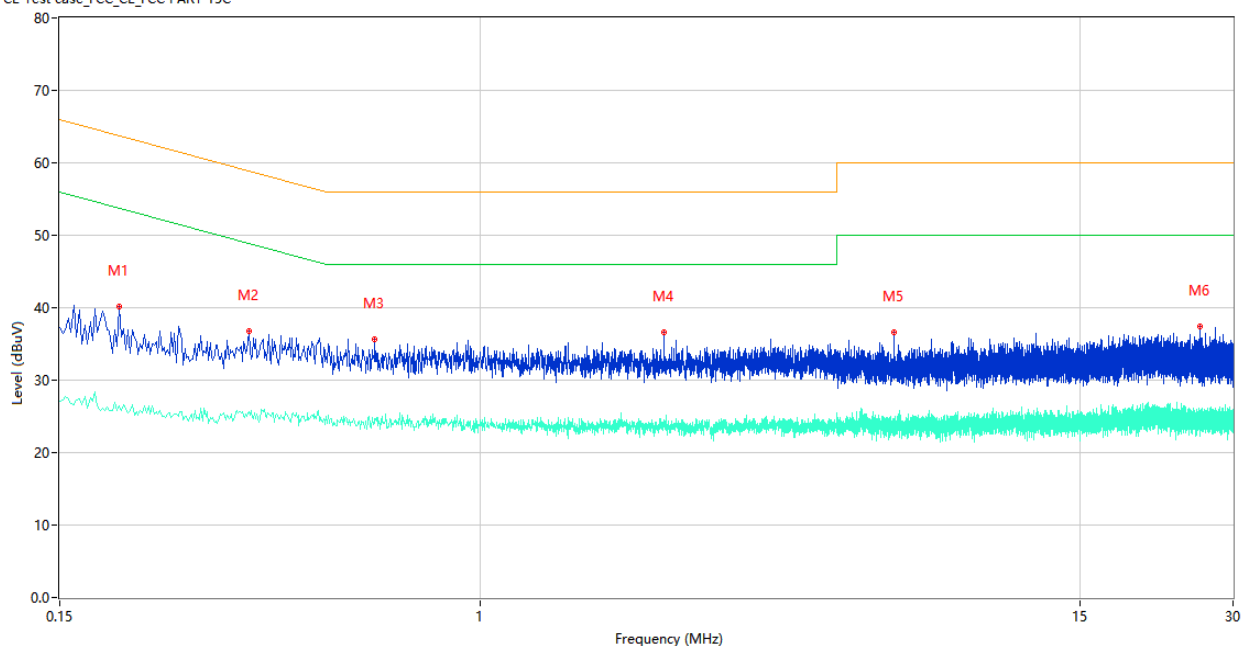
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	41.34	9.86	66.00	24.66	Peak	L	Pass
1**	0.150	27.71	9.86	56.00	28.29	AV	L	Pass
2	0.364	38.19	10.76	58.64	20.45	Peak	L	Pass
2**	0.364	25.68	10.76	48.64	22.96	AV	L	Pass
3	1.110	35.17	10.14	56.00	20.83	Peak	L	Pass
3**	1.110	23.84	10.14	46.00	22.16	AV	L	Pass
4	3.424	35.52	10.32	56.00	20.48	Peak	L	Pass
4**	3.424	23.86	10.32	46.00	22.14	AV	L	Pass
5	10.980	36.72	10.79	60.00	23.28	Peak	L	Pass
5**	10.980	24.53	10.79	50.00	25.47	AV	L	Pass
6	21.382	37.21	11.13	60.00	22.79	Peak	L	Pass
6**	21.382	26.07	11.13	50.00	23.93	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.196	40.11	9.84	63.78	23.67	Peak	N	Pass
1**	0.196	26.40	9.84	53.78	27.38	AV	N	Pass
2	0.352	36.81	10.81	58.92	22.11	Peak	N	Pass
2**	0.352	25.62	10.81	48.92	23.30	AV	N	Pass
3	0.622	35.63	10.24	56.00	20.37	Peak	N	Pass
3**	0.622	24.60	10.24	46.00	21.40	AV	N	Pass
4	2.294	36.68	10.38	56.00	19.32	Peak	N	Pass
4**	2.294	24.52	10.38	46.00	21.48	AV	N	Pass
5	6.486	36.55	10.23	60.00	23.45	Peak	N	Pass
5**	6.486	24.63	10.23	50.00	25.37	AV	N	Pass
6	25.864	37.42	10.66	60.00	22.58	Peak	N	Pass
6**	25.864	24.48	10.66	50.00	25.52	AV	N	Pass

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 C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

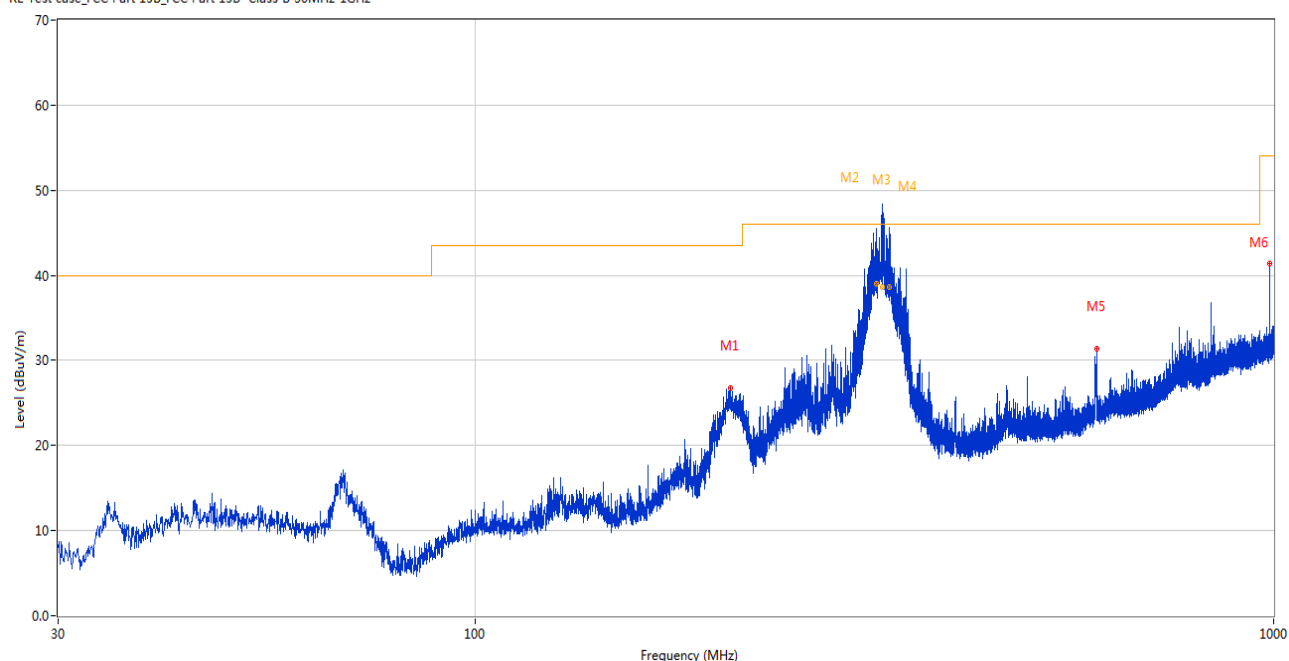
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

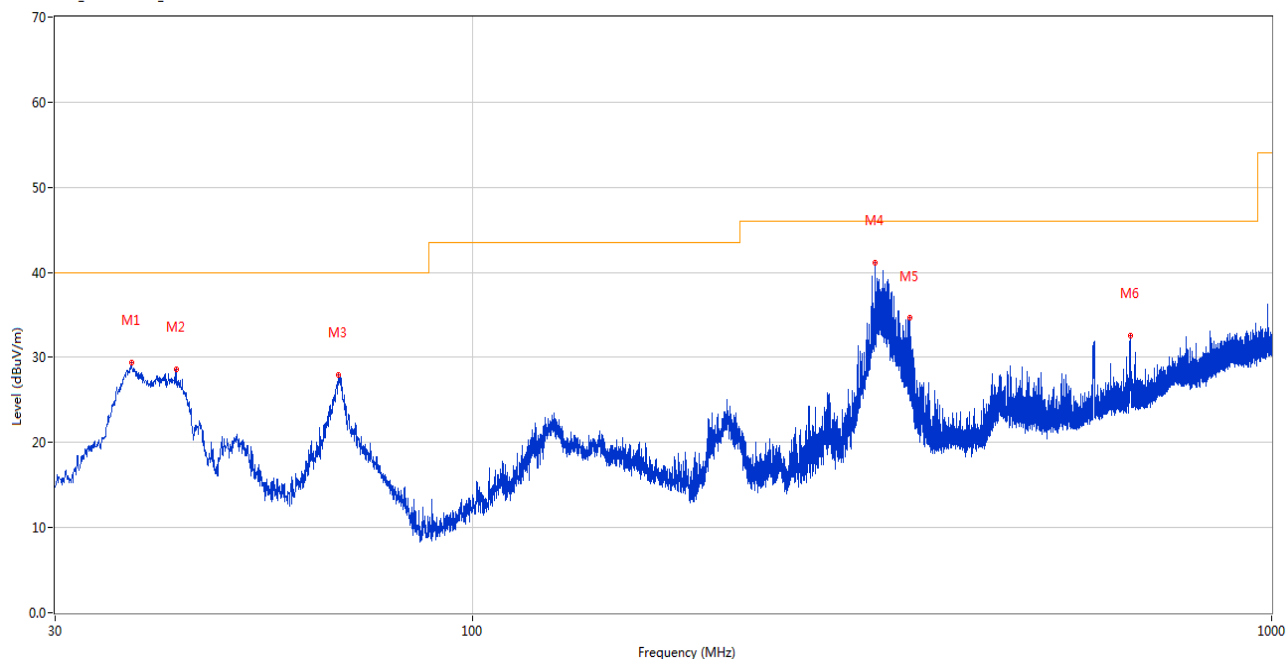
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	208.722	26.74	-24.76	43.5	16.76	Peak	104.60	100	Horizontal	Pass
2	317.654	45.53	-21.04	46.0	0.47	Peak	302.80	100	Horizontal	N/A
2*	317.654	38.96	-21.04	46.0	7.04	QP	302.80	100	Horizontal	Pass
3	323.730	48.16	-20.88	46.0	-2.16	Peak	248.10	104	Horizontal	N/A
3*	323.730	38.64	-20.88	46.0	7.36	QP	248.10	104	Horizontal	Pass
4	329.536	45.57	-20.49	46.0	0.43	Peak	284.70	100	Horizontal	N/A
4*	329.536	38.61	-20.49	46.0	7.39	QP	284.70	100	Horizontal	Pass
5	599.875	31.37	-12.56	46.0	14.63	Peak	108.40	100	Horizontal	Pass
6	987.438	41.36	-4.54	54.0	12.64	Peak	212.00	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/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	37.372	29.44	-26.69	40.0	10.56	Peak	141.10	100	Vertical	Pass
2	42.513	28.60	-24.95	40.0	11.40	Peak	190.70	100	Vertical	Pass
3	67.830	27.94	-27.44	40.0	12.06	Peak	110.20	100	Vertical	Pass
4	318.963	41.12	-21.00	46.0	4.88	Peak	311.10	100	Vertical	Pass
5	351.991	34.63	-19.18	46.0	11.37	Peak	298.20	100	Vertical	Pass
6	665.302	32.53	-11.57	46.0	13.47	Peak	216.50	100	Vertical	Pass

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

Note ²: The spurious above 18G is noise only, do not show on the report.

Note ³: All antenna were pre tested, but only the worst case has been reported in this report.

SISO-ANT2

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	1366.363	45.40	74.0	28.60	Peak	104.00	400	Horizontal	Pass
1**	1366.363	36.59	54.0	17.41	AV	104.00	400	Horizontal	Pass
2	2733.596	53.53	74.0	20.47	Peak	265.00	200	Horizontal	Pass
2**	2733.596	44.74	54.0	9.26	AV	265.00	200	Horizontal	Pass
3	4992.316	49.97	74.0	24.03	Peak	201.00	200	Horizontal	Pass
3**	4992.316	41.26	54.0	12.75	AV	201.00	200	Horizontal	Pass
4	7998.917	56.07	74.0	17.93	Peak	235.00	300	Horizontal	Pass
4**	7998.917	47.49	54.0	6.51	AV	235.00	300	Horizontal	Pass
5	12630.322	50.74	74.0	23.26	Peak	51.00	100	Horizontal	Pass
5**	12630.322	41.85	54.0	12.15	AV	51.00	100	Horizontal	Pass
6	17351.961	53.86	74.0	20.14	Peak	22.00	100	Horizontal	Pass
6**	17351.961	44.03	54.0	9.97	AV	22.00	100	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	1332.400	42.61	74.0	31.39	Peak	36.00	200	Vertical	Pass
1**	1332.400	31.19	54.0	22.81	AV	36.00	200	Vertical	Pass
2	2083.658	50.82	74.0	23.18	Peak	74.00	400	Vertical	Pass
2**	2083.658	44.09	54.0	9.91	AV	74.00	400	Vertical	Pass
3	6804.246	52.46	74.0	21.54	Peak	1.00	200	Vertical	Pass
3**	6804.246	43.42	54.0	10.58	AV	1.00	200	Vertical	Pass
4	7965.815	56.57	74.0	17.43	Peak	199.00	100	Vertical	Pass
4**	7965.815	43.62	54.0	10.38	AV	199.00	100	Vertical	Pass
5	12462.970	49.79	74.0	24.21	Peak	200.00	400	Vertical	Pass
5**	12462.970	39.89	54.0	14.11	AV	200.00	400	Vertical	Pass
6	17105.011	51.87	74.0	22.13	Peak	60.00	300	Vertical	Pass
6**	17105.011	42.95	54.0	11.05	AV	60.00	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	1368.475	44.86	74.0	29.14	Peak	360.00	100	Horizontal	Pass
1**	1368.475	36.18	54.0	17.82	AV	360.00	100	Horizontal	Pass
2	2737.124	53.41	74.0	20.59	Peak	334.00	300	Horizontal	Pass
2**	2737.124	44.45	54.0	9.55	AV	334.00	300	Horizontal	Pass
3	4995.722	49.92	74.0	24.08	Peak	202.00	200	Horizontal	Pass
3**	4995.722	40.74	54.0	13.27	AV	202.00	200	Horizontal	Pass
4	7999.688	55.33	74.0	18.67	Peak	339.00	200	Horizontal	Pass
4**	7999.688	47.06	54.0	6.94	AV	339.00	200	Horizontal	Pass
5	12626.370	49.78	74.0	24.22	Peak	261.00	200	Horizontal	Pass
5**	12626.370	41.03	54.0	12.98	AV	261.00	200	Horizontal	Pass
6	17353.373	53.87	74.0	20.13	Peak	200.00	200	Horizontal	Pass
6**	17353.373	43.60	54.0	10.40	AV	200.00	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	1335.619	42.45	74.0	31.55	Peak	72.00	200	Vertical	Pass
1**	1335.619	30.70	54.0	23.30	AV	72.00	200	Vertical	Pass
2	2080.431	50.04	74.0	23.96	Peak	45.00	400	Vertical	Pass
2**	2080.431	43.69	54.0	10.31	AV	45.00	400	Vertical	Pass
3	6804.822	51.79	74.0	22.21	Peak	79.00	200	Vertical	Pass
3**	6804.822	43.37	54.0	10.63	AV	79.00	200	Vertical	Pass
4	7967.568	56.05	74.0	17.95	Peak	359.00	300	Vertical	Pass
4**	7967.568	43.15	54.0	10.85	AV	359.00	300	Vertical	Pass
5	12463.829	49.02	74.0	24.98	Peak	339.00	300	Vertical	Pass
5**	12463.829	39.54	54.0	14.46	AV	339.00	300	Vertical	Pass
6	17102.801	51.62	74.0	22.38	Peak	339.00	300	Vertical	Pass
6**	17102.801	42.63	54.0	11.37	AV	339.00	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	1367.664	44.56	74.0	29.44	Peak	173.00	100	Horizontal	Pass
1**	1367.664	36.52	54.0	17.48	AV	173.00	100	Horizontal	Pass
2	2735.685	52.88	74.0	21.12	Peak	202.00	300	Horizontal	Pass
2**	2735.685	44.34	54.0	9.66	AV	202.00	300	Horizontal	Pass
3	4993.185	49.78	74.0	24.22	Peak	285.00	200	Horizontal	Pass
3**	4993.185	40.27	54.0	13.74	AV	285.00	200	Horizontal	Pass
4	7996.331	55.45	74.0	18.55	Peak	36.00	200	Horizontal	Pass
4**	7996.331	46.90	54.0	7.10	AV	36.00	200	Horizontal	Pass
5	12627.185	49.94	74.0	24.06	Peak	17.00	300	Horizontal	Pass
5**	12627.185	41.78	54.0	12.23	AV	17.00	300	Horizontal	Pass
6	17349.229	53.04	74.0	20.96	Peak	265.00	400	Horizontal	Pass
6**	17349.229	43.75	54.0	10.25	AV	265.00	400	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	1336.367	42.33	74.0	31.67	Peak	136.00	100	Vertical	Pass
1**	1336.367	30.61	54.0	23.39	AV	136.00	100	Vertical	Pass
2	2080.594	50.33	74.0	23.67	Peak	271.00	300	Vertical	Pass
2**	2080.594	43.34	54.0	10.66	AV	271.00	300	Vertical	Pass
3	6804.814	51.90	74.0	22.10	Peak	287.00	200	Vertical	Pass
3**	6804.814	42.70	54.0	11.30	AV	287.00	200	Vertical	Pass
4	7970.637	55.81	74.0	18.19	Peak	122.00	200	Vertical	Pass
4**	7970.637	43.02	54.0	10.98	AV	122.00	200	Vertical	Pass
5	12466.878	49.48	74.0	24.52	Peak	168.00	400	Vertical	Pass
5**	12466.878	39.47	54.0	14.53	AV	168.00	400	Vertical	Pass
6	17101.458	50.90	74.0	23.10	Peak	352.00	300	Vertical	Pass
6**	17101.458	42.77	54.0	11.23	AV	352.00	300	Vertical	Pass

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

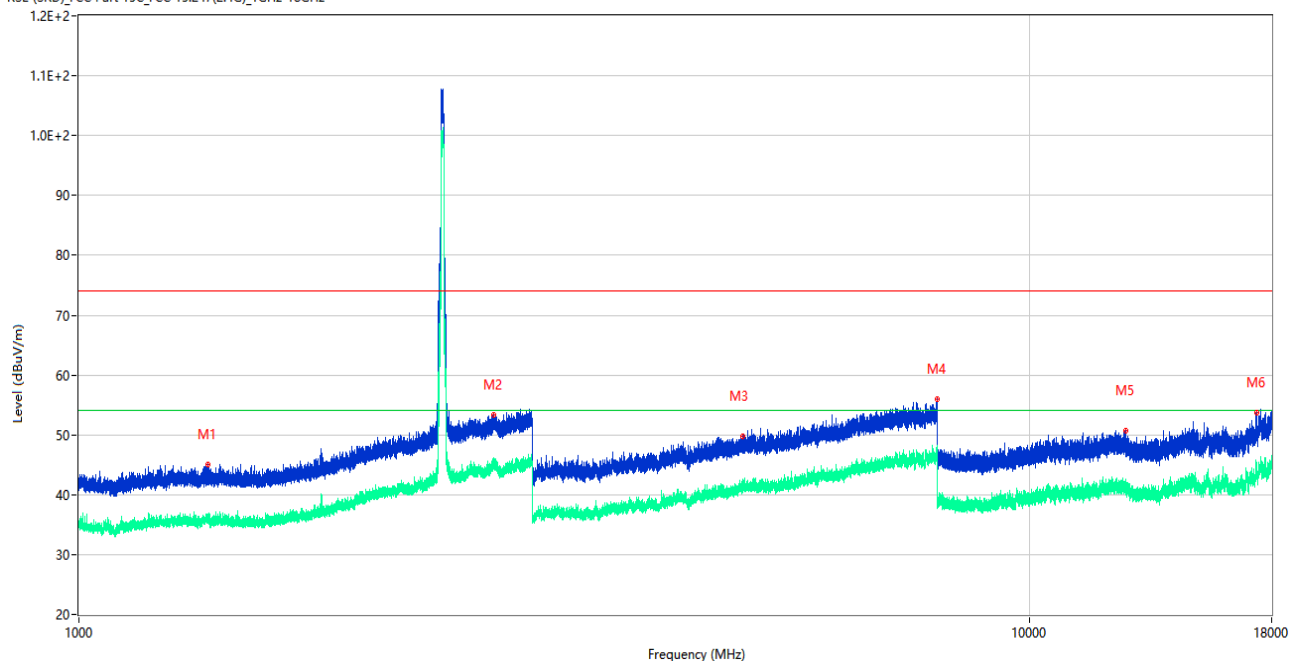
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1363.373	44.87	74.0	29.13	Peak	281.00	300	Horizontal	Pass
1**	1363.373	35.82	54.0	18.18	AV	281.00	300	Horizontal	Pass
2	2735.761	52.96	74.0	21.04	Peak	41.00	400	Horizontal	Pass
2**	2735.761	44.03	54.0	9.97	AV	41.00	400	Horizontal	Pass
3	4996.116	49.10	74.0	24.90	Peak	336.00	200	Horizontal	Pass
3**	4996.116	40.48	54.0	13.53	AV	336.00	200	Horizontal	Pass
4	7993.209	55.72	74.0	18.28	Peak	258.00	200	Horizontal	Pass
4**	7993.209	47.20	54.0	6.80	AV	258.00	200	Horizontal	Pass
5	12631.588	50.29	74.0	23.71	Peak	136.00	300	Horizontal	Pass
5**	12631.588	41.30	54.0	12.71	AV	136.00	300	Horizontal	Pass
6	17355.718	53.69	74.0	20.31	Peak	51.00	100	Horizontal	Pass
6**	17355.718	43.06	54.0	10.94	AV	51.00	100	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	1331.933	42.35	74.0	31.65	Peak	222.00	400	Vertical	Pass
1**	1331.933	30.68	54.0	23.32	AV	222.00	400	Vertical	Pass
2	2079.522	49.32	74.0	24.68	Peak	169.00	400	Vertical	Pass
2**	2079.522	42.90	54.0	11.10	AV	169.00	400	Vertical	Pass
3	6801.691	51.50	74.0	22.50	Peak	72.00	200	Vertical	Pass
3**	6801.691	42.89	54.0	11.11	AV	72.00	200	Vertical	Pass
4	7969.468	55.26	74.0	18.74	Peak	263.00	400	Vertical	Pass
4**	7969.468	42.40	54.0	11.60	AV	263.00	400	Vertical	Pass
5	12468.616	48.31	74.0	25.69	Peak	243.00	100	Vertical	Pass
5**	12468.616	39.32	54.0	14.68	AV	243.00	100	Vertical	Pass
6	17105.876	51.00	74.0	23.00	Peak	266.00	300	Vertical	Pass
6**	17105.876	41.89	54.0	12.11	AV	266.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Middle 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	1366.525	45.25	74.0	28.75	Peak	89.00	200	Horizontal	Pass
1**	1366.525	36.54	54.0	17.46	AV	89.00	200	Horizontal	Pass
2	2738.340	53.60	74.0	20.40	Peak	337.00	100	Horizontal	Pass
2**	2738.340	45.02	54.0	8.98	AV	337.00	100	Horizontal	Pass
3	4992.421	50.06	74.0	23.94	Peak	140.00	200	Horizontal	Pass
3**	4992.421	41.27	54.0	12.74	AV	140.00	200	Horizontal	Pass
4	7998.478	56.08	74.0	17.92	Peak	275.00	400	Horizontal	Pass
4**	7998.478	47.59	54.0	6.41	AV	275.00	400	Horizontal	Pass
5	12631.718	50.74	74.0	23.26	Peak	74.00	400	Horizontal	Pass
5**	12631.718	41.95	54.0	12.06	AV	74.00	400	Horizontal	Pass
6	17354.636	53.97	74.0	20.03	Peak	206.00	400	Horizontal	Pass
6**	17354.636	44.72	54.0	9.28	AV	206.00	400	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	1333.408	41.66	74.0	32.34	Peak	342.00	100	Vertical	Pass
1**	1333.408	30.46	54.0	23.54	AV	342.00	100	Vertical	Pass
2	2081.106	50.16	74.0	23.84	Peak	140.00	200	Vertical	Pass
2**	2081.106	42.61	54.0	11.39	AV	140.00	200	Vertical	Pass
3	6804.629	51.77	74.0	22.23	Peak	270.00	200	Vertical	Pass
3**	6804.629	41.94	54.0	12.06	AV	270.00	200	Vertical	Pass
4	7966.368	55.08	74.0	18.92	Peak	30.00	300	Vertical	Pass
4**	7966.368	43.00	54.0	11.00	AV	30.00	300	Vertical	Pass
5	12463.016	48.60	74.0	25.40	Peak	186.00	100	Vertical	Pass
5**	12463.016	39.46	54.0	14.54	AV	186.00	100	Vertical	Pass
6	17103.076	50.89	74.0	23.11	Peak	171.00	400	Vertical	Pass
6**	17103.076	42.02	54.0	11.98	AV	171.00	400	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	1369.636	43.95	74.0	30.05	Peak	279.00	100	Horizontal	Pass
1**	1369.636	35.87	54.0	18.13	AV	279.00	100	Horizontal	Pass
2	2734.568	52.41	74.0	21.59	Peak	130.00	200	Horizontal	Pass
2**	2734.568	44.16	54.0	9.84	AV	130.00	200	Horizontal	Pass
3	4990.347	49.02	74.0	24.98	Peak	233.00	200	Horizontal	Pass
3**	4990.347	39.77	54.0	14.24	AV	233.00	200	Horizontal	Pass
4	7998.082	54.75	74.0	19.25	Peak	203.00	300	Horizontal	Pass
4**	7998.082	46.24	54.0	7.76	AV	203.00	300	Horizontal	Pass
5	12625.439	49.92	74.0	24.08	Peak	77.00	300	Horizontal	Pass
5**	12625.439	41.70	54.0	12.31	AV	77.00	300	Horizontal	Pass
6	17353.807	52.46	74.0	21.54	Peak	196.00	200	Horizontal	Pass
6**	17353.807	43.43	54.0	10.57	AV	196.00	200	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	1330.367	42.35	74.0	31.66	Peak	268.00	200	Vertical	Pass
1**	1330.367	30.60	54.0	23.40	AV	268.00	200	Vertical	Pass
2	2076.684	49.30	74.0	24.70	Peak	34.00	300	Vertical	Pass
2**	2076.684	42.83	54.0	11.17	AV	34.00	300	Vertical	Pass
3	6801.124	51.49	74.0	22.51	Peak	230.00	200	Vertical	Pass
3**	6801.124	42.84	54.0	11.16	AV	230.00	200	Vertical	Pass
4	7964.918	55.16	74.0	18.84	Peak	155.00	100	Vertical	Pass
4**	7964.918	42.32	54.0	11.68	AV	155.00	100	Vertical	Pass
5	12463.807	48.25	74.0	25.75	Peak	294.00	200	Vertical	Pass
5**	12463.807	39.23	54.0	14.77	AV	294.00	200	Vertical	Pass
6	17100.900	50.99	74.0	23.01	Peak	292.00	100	Vertical	Pass
6**	17100.900	41.89	54.0	12.11	AV	292.00	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	1366.616	44.81	74.0	29.19	Peak	46.00	400	Horizontal	Pass
1**	1366.616	35.76	54.0	18.24	AV	46.00	400	Horizontal	Pass
2	2734.912	52.94	74.0	21.06	Peak	180.00	100	Horizontal	Pass
2**	2734.912	43.98	54.0	10.02	AV	180.00	100	Horizontal	Pass
3	4990.516	49.04	74.0	24.96	Peak	217.00	200	Horizontal	Pass
3**	4990.516	40.41	54.0	13.59	AV	217.00	200	Horizontal	Pass
4	7996.873	55.63	74.0	18.37	Peak	358.00	100	Horizontal	Pass
4**	7996.873	47.15	54.0	6.85	AV	358.00	100	Horizontal	Pass
5	12626.779	50.26	74.0	23.74	Peak	242.00	100	Horizontal	Pass
5**	12626.779	41.26	54.0	12.74	AV	242.00	100	Horizontal	Pass
6	17353.322	53.61	74.0	20.39	Peak	145.00	200	Horizontal	Pass
6**	17353.322	42.99	54.0	11.01	AV	145.00	200	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	1331.588	41.61	74.0	32.39	Peak	359.00	200	Vertical	Pass
1**	1331.588	30.41	54.0	23.60	AV	359.00	200	Vertical	Pass
2	2082.997	50.11	74.0	23.89	Peak	85.00	200	Vertical	Pass
2**	2082.997	42.59	54.0	11.41	AV	85.00	200	Vertical	Pass
3	6804.152	51.73	74.0	22.27	Peak	337.00	200	Vertical	Pass
3**	6804.152	41.91	54.0	12.09	AV	337.00	200	Vertical	Pass
4	7970.624	54.99	74.0	19.01	Peak	336.00	100	Vertical	Pass
4**	7970.624	42.97	54.0	11.04	AV	336.00	100	Vertical	Pass
5	12465.979	48.55	74.0	25.45	Peak	111.00	100	Vertical	Pass
5**	12465.979	39.46	54.0	14.54	AV	111.00	100	Vertical	Pass
6	17104.418	50.80	74.0	23.20	Peak	260.00	100	Vertical	Pass
6**	17104.418	41.98	54.0	12.02	AV	260.00	100	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	1363.597	45.19	74.0	28.81	Peak	85.00	300	Horizontal	Pass
1**	1363.597	36.49	54.0	17.51	AV	85.00	300	Horizontal	Pass
2	2736.124	53.55	74.0	20.46	Peak	320.00	400	Horizontal	Pass
2**	2736.124	45.02	54.0	8.98	AV	320.00	400	Horizontal	Pass
3	4990.085	50.00	74.0	24.00	Peak	203.00	200	Horizontal	Pass
3**	4990.085	41.21	54.0	12.79	AV	203.00	200	Horizontal	Pass
4	7994.763	56.05	74.0	17.95	Peak	202.00	200	Horizontal	Pass
4**	7994.763	47.52	54.0	6.48	AV	202.00	200	Horizontal	Pass
5	12627.726	50.70	74.0	23.30	Peak	161.00	400	Horizontal	Pass
5**	12627.726	41.90	54.0	12.10	AV	161.00	400	Horizontal	Pass
6	17352.958	53.95	74.0	20.05	Peak	141.00	100	Horizontal	Pass
6**	17352.958	43.94	54.0	10.06	AV	141.00	100	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	1329.155	42.33	74.0	31.68	Peak	167.00	300	Vertical	Pass
1**	1329.155	30.10	54.0	23.90	AV	167.00	300	Vertical	Pass
2	2081.227	48.40	74.0	25.60	Peak	95.00	300	Vertical	Pass
2**	2081.227	42.43	54.0	11.57	AV	95.00	300	Vertical	Pass
3	6800.745	50.84	74.0	23.16	Peak	36.00	200	Vertical	Pass
3**	6800.745	42.33	54.0	11.67	AV	36.00	200	Vertical	Pass
4	7965.770	54.25	74.0	19.75	Peak	55.00	300	Vertical	Pass
4**	7965.770	41.52	54.0	12.48	AV	55.00	300	Vertical	Pass
5	12462.973	47.83	74.0	26.17	Peak	22.00	200	Vertical	Pass
5**	12462.973	38.64	54.0	15.36	AV	22.00	200	Vertical	Pass
6	17101.445	50.84	74.0	23.16	Peak	117.00	400	Vertical	Pass
6**	17101.445	41.19	54.0	12.81	AV	117.00	400	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	1367.399	45.22	74.0	28.78	Peak	5.00	300	Horizontal	Pass
1**	1367.399	36.46	54.0	17.55	AV	5.00	300	Horizontal	Pass
2	2734.097	53.53	74.0	20.47	Peak	14.00	400	Horizontal	Pass
2**	2734.097	44.94	54.0	9.06	AV	14.00	400	Horizontal	Pass
3	4989.971	50.04	74.0	23.96	Peak	165.00	200	Horizontal	Pass
3**	4989.971	41.24	54.0	12.76	AV	165.00	200	Horizontal	Pass
4	8000.176	55.99	74.0	18.01	Peak	32.00	200	Horizontal	Pass
4**	8000.176	47.54	54.0	6.46	AV	32.00	200	Horizontal	Pass
5	12626.532	50.74	74.0	23.26	Peak	219.00	400	Horizontal	Pass
5**	12626.532	41.87	54.0	12.13	AV	219.00	400	Horizontal	Pass
6	17355.479	53.95	74.0	20.05	Peak	154.00	400	Horizontal	Pass
6**	17355.479	43.95	54.0	10.05	AV	154.00	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	1331.008	41.59	74.0	32.41	Peak	235.00	400	Vertical	Pass
1**	1331.008	29.66	54.0	24.35	AV	235.00	400	Vertical	Pass
2	2081.827	50.07	74.0	23.93	Peak	252.00	400	Vertical	Pass
2**	2081.827	42.37	54.0	11.63	AV	252.00	400	Vertical	Pass
3	6806.138	51.19	74.0	22.81	Peak	230.00	200	Vertical	Pass
3**	6806.138	40.96	54.0	13.04	AV	230.00	200	Vertical	Pass
4	7967.407	54.44	74.0	19.56	Peak	1.00	100	Vertical	Pass
4**	7967.407	42.96	54.0	11.05	AV	1.00	100	Vertical	Pass
5	12466.989	47.99	74.0	26.01	Peak	251.00	400	Vertical	Pass
5**	12466.989	39.25	54.0	14.75	AV	251.00	400	Vertical	Pass
6	17103.218	50.09	74.0	23.91	Peak	332.00	300	Vertical	Pass
6**	17103.218	41.78	54.0	12.22	AV	332.00	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	1364.944	45.23	74.0	28.77	Peak	201.00	400	Horizontal	Pass
1**	1364.944	36.48	54.0	17.52	AV	201.00	400	Horizontal	Pass
2	2734.527	53.53	74.0	20.47	Peak	315.00	100	Horizontal	Pass
2**	2734.527	45.02	54.0	8.98	AV	315.00	100	Horizontal	Pass
3	4995.293	49.99	74.0	24.01	Peak	46.00	200	Horizontal	Pass
3**	4995.293	41.24	54.0	12.76	AV	46.00	200	Horizontal	Pass
4	8000.524	55.98	74.0	18.02	Peak	177.00	400	Horizontal	Pass
4**	8000.524	47.51	54.0	6.49	AV	177.00	400	Horizontal	Pass
5	12625.776	50.72	74.0	23.28	Peak	138.00	100	Horizontal	Pass
5**	12625.776	41.92	54.0	12.08	AV	138.00	100	Horizontal	Pass
6	17353.069	53.94	74.0	20.06	Peak	7.00	100	Horizontal	Pass
6**	17353.069	43.90	54.0	10.10	AV	7.00	100	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	1335.563	42.32	74.0	31.68	Peak	144.00	300	Vertical	Pass
1**	1335.563	30.35	54.0	23.65	AV	144.00	300	Vertical	Pass
2	2077.341	49.87	74.0	24.13	Peak	41.00	100	Vertical	Pass
2**	2077.341	43.32	54.0	10.68	AV	41.00	100	Vertical	Pass
3	6803.437	51.53	74.0	22.47	Peak	46.00	200	Vertical	Pass
3**	6803.437	43.09	54.0	10.91	AV	46.00	200	Vertical	Pass
4	7970.767	56.51	74.0	17.49	Peak	315.00	400	Vertical	Pass
4**	7970.767	43.22	54.0	10.78	AV	315.00	400	Vertical	Pass
5	12461.452	49.15	74.0	24.85	Peak	109.00	100	Vertical	Pass
5**	12461.452	39.12	54.0	14.88	AV	109.00	100	Vertical	Pass
6	17102.581	51.86	74.0	22.14	Peak	229.00	100	Vertical	Pass
6**	17102.581	42.09	54.0	11.91	AV	229.00	100	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	1362.477	44.19	74.0	29.81	Peak	309.00	300	Horizontal	Pass
1**	1362.477	35.43	54.0	18.57	AV	309.00	300	Horizontal	Pass
2	2737.831	53.21	74.0	20.79	Peak	227.00	100	Horizontal	Pass
2**	2737.831	44.44	54.0	9.56	AV	227.00	100	Horizontal	Pass
3	4988.731	49.51	74.0	24.49	Peak	251.00	200	Horizontal	Pass
3**	4988.731	40.18	54.0	13.83	AV	251.00	200	Horizontal	Pass
4	7996.042	54.58	74.0	19.42	Peak	156.00	300	Horizontal	Pass
4**	7996.042	46.46	54.0	7.54	AV	156.00	300	Horizontal	Pass
5	12628.997	49.77	74.0	24.23	Peak	305.00	100	Horizontal	Pass
5**	12628.997	40.71	54.0	13.30	AV	305.00	100	Horizontal	Pass
6	17354.207	53.51	74.0	20.49	Peak	174.00	300	Horizontal	Pass
6**	17354.207	43.55	54.0	10.45	AV	174.00	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	1334.080	41.83	74.0	32.17	Peak	138.00	300	Vertical	Pass
1**	1334.080	29.70	54.0	24.30	AV	138.00	300	Vertical	Pass
2	2079.820	49.78	74.0	24.22	Peak	89.00	100	Vertical	Pass
2**	2079.820	43.36	54.0	10.64	AV	89.00	100	Vertical	Pass
3	6803.304	51.63	74.0	22.37	Peak	293.00	200	Vertical	Pass
3**	6803.304	42.54	54.0	11.46	AV	293.00	200	Vertical	Pass
4	7970.367	55.30	74.0	18.70	Peak	293.00	300	Vertical	Pass
4**	7970.367	42.68	54.0	11.32	AV	293.00	300	Vertical	Pass
5	12466.683	48.61	74.0	25.39	Peak	144.00	400	Vertical	Pass
5**	12466.683	39.41	54.0	14.59	AV	144.00	400	Vertical	Pass
6	17101.234	51.31	74.0	22.69	Peak	258.00	400	Vertical	Pass
6**	17101.234	42.08	54.0	11.92	AV	258.00	400	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	1367.990	44.31	74.0	29.69	Peak	229.00	400	Horizontal	Pass
1**	1367.990	35.71	54.0	18.29	AV	229.00	400	Horizontal	Pass
2	2733.506	52.69	74.0	21.31	Peak	197.00	200	Horizontal	Pass
2**	2733.506	44.78	54.0	9.22	AV	197.00	200	Horizontal	Pass
3	4990.795	49.85	74.0	24.15	Peak	309.00	200	Horizontal	Pass
3**	4990.795	41.26	54.0	12.75	AV	309.00	200	Horizontal	Pass
4	7993.565	55.90	74.0	18.10	Peak	338.00	100	Horizontal	Pass
4**	7993.565	47.49	54.0	6.51	AV	338.00	100	Horizontal	Pass
5	12632.190	50.59	74.0	23.41	Peak	223.00	300	Horizontal	Pass
5**	12632.190	41.37	54.0	12.64	AV	223.00	300	Horizontal	Pass
6	17351.847	53.84	74.0	20.16	Peak	341.00	100	Horizontal	Pass
6**	17351.847	43.78	54.0	10.22	AV	341.00	100	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	1331.003	41.80	74.0	32.20	Peak	4.00	200	Vertical	Pass
1**	1331.003	30.59	54.0	23.41	AV	4.00	200	Vertical	Pass
2	2082.003	49.84	74.0	24.16	Peak	315.00	400	Vertical	Pass
2**	2082.003	43.82	54.0	10.18	AV	315.00	400	Vertical	Pass
3	6802.092	52.11	74.0	21.89	Peak	0.00	200	Vertical	Pass
3**	6802.092	43.11	54.0	10.89	AV	0.00	200	Vertical	Pass
4	7966.839	55.86	74.0	18.14	Peak	21.00	400	Vertical	Pass
4**	7966.839	42.68	54.0	11.32	AV	21.00	400	Vertical	Pass
5	12465.841	49.61	74.0	24.39	Peak	86.00	100	Vertical	Pass
5**	12465.841	39.59	54.0	14.41	AV	86.00	100	Vertical	Pass
6	17102.674	51.31	74.0	22.69	Peak	168.00	300	Vertical	Pass
6**	17102.674	42.51	54.0	11.49	AV	168.00	300	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	1363.521	44.29	74.0	29.71	Peak	0.00	100	Horizontal	Pass
1**	1363.521	35.65	54.0	18.35	AV	0.00	100	Horizontal	Pass
2	2733.341	53.22	74.0	20.78	Peak	258.00	100	Horizontal	Pass
2**	2733.341	43.46	54.0	10.54	AV	258.00	100	Horizontal	Pass
3	4994.354	49.62	74.0	24.38	Peak	134.00	200	Horizontal	Pass
3**	4994.354	39.85	54.0	14.16	AV	134.00	200	Horizontal	Pass
4	7993.647	54.59	74.0	19.41	Peak	250.00	100	Horizontal	Pass
4**	7993.647	46.15	54.0	7.85	AV	250.00	100	Horizontal	Pass
5	12631.833	49.00	74.0	25.00	Peak	152.00	200	Horizontal	Pass
5**	12631.833	40.70	54.0	13.31	AV	152.00	200	Horizontal	Pass
6	17354.345	53.56	74.0	20.44	Peak	351.00	100	Horizontal	Pass
6**	17354.345	43.07	54.0	10.93	AV	351.00	100	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	1329.804	41.52	74.0	32.48	Peak	210.00	300	Vertical	Pass
1**	1329.804	30.36	54.0	23.64	AV	210.00	300	Vertical	Pass
2	2079.901	49.77	74.0	24.23	Peak	119.00	300	Vertical	Pass
2**	2079.901	43.17	54.0	10.83	AV	119.00	300	Vertical	Pass
3	6804.296	50.86	74.0	23.14	Peak	243.00	200	Vertical	Pass
3**	6804.296	42.78	54.0	11.22	AV	243.00	200	Vertical	Pass
4	7969.586	55.73	74.0	18.27	Peak	180.00	400	Vertical	Pass
4**	7969.586	43.01	54.0	10.99	AV	180.00	400	Vertical	Pass
5	12467.960	48.33	74.0	25.67	Peak	147.00	300	Vertical	Pass
5**	12467.960	39.07	54.0	14.93	AV	147.00	300	Vertical	Pass
6	17102.256	51.25	74.0	22.75	Peak	6.00	300	Vertical	Pass
6**	17102.256	42.59	54.0	11.41	AV	6.00	300	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	1369.428	44.02	74.0	29.98	Peak	31.00	100	Horizontal	Pass
1**	1369.428	35.97	54.0	18.03	AV	31.00	100	Horizontal	Pass
2	2734.638	52.66	74.0	21.34	Peak	22.00	400	Horizontal	Pass
2**	2734.638	43.48	54.0	10.52	AV	22.00	400	Horizontal	Pass
3	4993.608	49.47	74.0	24.53	Peak	249.00	200	Horizontal	Pass
3**	4993.608	39.42	54.0	14.59	AV	249.00	200	Horizontal	Pass
4	8000.564	54.74	74.0	19.26	Peak	243.00	400	Horizontal	Pass
4**	8000.564	46.18	54.0	7.82	AV	243.00	400	Horizontal	Pass
5	12629.373	49.03	74.0	24.97	Peak	125.00	100	Horizontal	Pass
5**	12629.373	41.71	54.0	12.30	AV	125.00	100	Horizontal	Pass
6	17352.545	52.28	74.0	21.72	Peak	351.00	300	Horizontal	Pass
6**	17352.545	43.54	54.0	10.46	AV	351.00	300	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	1328.996	42.27	74.0	31.73	Peak	56.00	300	Vertical	Pass
1**	1328.996	29.68	54.0	24.32	AV	56.00	300	Vertical	Pass
2	2079.141	49.86	74.0	24.14	Peak	77.00	100	Vertical	Pass
2**	2079.141	42.64	54.0	11.36	AV	77.00	100	Vertical	Pass
3	6801.252	51.56	74.0	22.44	Peak	69.00	200	Vertical	Pass
3**	6801.252	42.42	54.0	11.58	AV	69.00	200	Vertical	Pass
4	7963.367	54.94	74.0	19.06	Peak	33.00	400	Vertical	Pass
4**	7963.367	42.29	54.0	11.71	AV	33.00	400	Vertical	Pass
5	12466.143	49.06	74.0	24.94	Peak	208.00	400	Vertical	Pass
5**	12466.143	38.99	54.0	15.01	AV	208.00	400	Vertical	Pass
6	17104.543	49.96	74.0	24.04	Peak	65.00	100	Vertical	Pass
6**	17104.543	42.24	54.0	11.76	AV	65.00	100	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	1368.851	44.54	74.0	29.46	Peak	96.00	300	Horizontal	Pass
1**	1368.851	36.17	54.0	17.83	AV	96.00	300	Horizontal	Pass
2	2736.928	53.19	74.0	20.81	Peak	108.00	100	Horizontal	Pass
2**	2736.928	44.28	54.0	9.72	AV	108.00	100	Horizontal	Pass
3	4993.562	49.89	74.0	24.11	Peak	166.00	200	Horizontal	Pass
3**	4993.562	41.04	54.0	12.97	AV	166.00	200	Horizontal	Pass
4	8000.767	55.68	74.0	18.32	Peak	293.00	300	Horizontal	Pass
4**	8000.767	47.41	54.0	6.59	AV	293.00	300	Horizontal	Pass
5	12629.098	50.58	74.0	23.42	Peak	183.00	100	Horizontal	Pass
5**	12629.098	41.32	54.0	12.69	AV	183.00	100	Horizontal	Pass
6	17351.053	53.77	74.0	20.23	Peak	123.00	200	Horizontal	Pass
6**	17351.053	43.92	54.0	10.08	AV	123.00	200	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	1331.112	41.84	74.0	32.16	Peak	182.00	100	Vertical	Pass
1**	1331.112	31.10	54.0	22.90	AV	182.00	100	Vertical	Pass
2	2076.032	50.32	74.0	23.68	Peak	234.00	400	Vertical	Pass
2**	2076.032	43.96	54.0	10.04	AV	234.00	400	Vertical	Pass
3	6803.819	51.63	74.0	22.37	Peak	182.00	200	Vertical	Pass
3**	6803.819	42.73	54.0	11.27	AV	182.00	200	Vertical	Pass
4	7966.061	56.46	74.0	17.54	Peak	40.00	400	Vertical	Pass
4**	7966.061	42.84	54.0	11.16	AV	40.00	400	Vertical	Pass
5	12468.501	49.68	74.0	24.32	Peak	50.00	100	Vertical	Pass
5**	12468.501	39.25	54.0	14.75	AV	50.00	100	Vertical	Pass
6	17103.525	51.02	74.0	22.98	Peak	252.00	200	Vertical	Pass
6**	17103.525	42.67	54.0	11.33	AV	252.00	200	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	1367.165	44.31	74.0	29.69	Peak	302.00	100	Horizontal	Pass
1**	1367.165	35.67	54.0	18.33	AV	302.00	100	Horizontal	Pass
2	2734.263	52.77	74.0	21.23	Peak	207.00	400	Horizontal	Pass
2**	2734.263	44.18	54.0	9.82	AV	207.00	400	Horizontal	Pass
3	4994.778	49.80	74.0	24.20	Peak	318.00	200	Horizontal	Pass
3**	4994.778	41.06	54.0	12.95	AV	318.00	200	Horizontal	Pass
4	7995.212	55.87	74.0	18.13	Peak	173.00	100	Horizontal	Pass
4**	7995.212	47.01	54.0	6.99	AV	173.00	100	Horizontal	Pass
5	12624.830	50.72	74.0	23.28	Peak	337.00	300	Horizontal	Pass
5**	12624.830	41.82	54.0	12.19	AV	337.00	300	Horizontal	Pass
6	17356.135	53.26	74.0	20.74	Peak	197.00	100	Horizontal	Pass
6**	17356.135	43.04	54.0	10.96	AV	197.00	100	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	1331.197	42.45	74.0	31.55	Peak	348.00	300	Vertical	Pass
1**	1331.197	30.67	54.0	23.33	AV	348.00	300	Vertical	Pass
2	2077.640	50.26	74.0	23.74	Peak	245.00	200	Vertical	Pass
2**	2077.640	43.58	54.0	10.42	AV	245.00	200	Vertical	Pass
3	6806.279	52.43	74.0	21.57	Peak	209.00	200	Vertical	Pass
3**	6806.279	43.07	54.0	10.93	AV	209.00	200	Vertical	Pass
4	7967.070	56.12	74.0	17.88	Peak	38.00	200	Vertical	Pass
4**	7967.070	42.72	54.0	11.28	AV	38.00	200	Vertical	Pass
5	12466.740	49.18	74.0	24.82	Peak	279.00	200	Vertical	Pass
5**	12466.740	39.59	54.0	14.41	AV	279.00	200	Vertical	Pass
6	17108.725	51.13	74.0	22.87	Peak	125.00	400	Vertical	Pass
6**	17108.725	42.31	54.0	11.69	AV	125.00	400	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	1366.572	44.15	74.0	29.85	Peak	17.00	400	Horizontal	Pass
1**	1366.572	35.59	54.0	18.41	AV	17.00	400	Horizontal	Pass
2	2734.389	52.59	74.0	21.41	Peak	40.00	100	Horizontal	Pass
2**	2734.389	43.88	54.0	10.12	AV	40.00	100	Horizontal	Pass
3	4994.069	49.47	74.0	24.53	Peak	153.00	200	Horizontal	Pass
3**	4994.069	39.99	54.0	14.02	AV	153.00	200	Horizontal	Pass
4	7996.597	54.59	74.0	19.41	Peak	112.00	300	Horizontal	Pass
4**	7996.597	46.80	54.0	7.20	AV	112.00	300	Horizontal	Pass
5	12628.700	49.72	74.0	24.28	Peak	158.00	200	Horizontal	Pass
5**	12628.700	40.36	54.0	13.65	AV	158.00	200	Horizontal	Pass
6	17351.288	53.44	74.0	20.56	Peak	262.00	100	Horizontal	Pass
6**	17351.288	43.26	54.0	10.74	AV	262.00	100	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	1330.641	42.13	74.0	31.87	Peak	30.00	200	Vertical	Pass
1**	1330.641	30.46	54.0	23.54	AV	30.00	200	Vertical	Pass
2	2080.242	49.50	74.0	24.50	Peak	318.00	100	Vertical	Pass
2**	2080.242	42.76	54.0	11.24	AV	318.00	100	Vertical	Pass
3	6806.138	50.80	74.0	23.20	Peak	183.00	200	Vertical	Pass
3**	6806.138	42.89	54.0	11.11	AV	183.00	200	Vertical	Pass
4	7965.287	55.58	74.0	18.42	Peak	31.00	200	Vertical	Pass
4**	7965.287	42.49	54.0	11.51	AV	31.00	200	Vertical	Pass
5	12464.070	48.97	74.0	25.03	Peak	172.00	100	Vertical	Pass
5**	12464.070	38.80	54.0	15.20	AV	172.00	100	Vertical	Pass
6	17103.498	51.05	74.0	22.95	Peak	162.00	300	Vertical	Pass
6**	17103.498	42.61	54.0	11.39	AV	162.00	300	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	1363.568	43.89	74.0	30.11	Peak	211.00	100	Horizontal	Pass
1**	1363.568	35.69	54.0	18.31	AV	211.00	100	Horizontal	Pass
2	2731.650	52.26	74.0	21.74	Peak	194.00	300	Horizontal	Pass
2**	2731.650	44.29	54.0	9.71	AV	194.00	300	Horizontal	Pass
3	4996.143	49.71	74.0	24.29	Peak	142.00	200	Horizontal	Pass
3**	4996.143	39.33	54.0	14.68	AV	142.00	200	Horizontal	Pass
4	7999.969	55.19	74.0	18.81	Peak	255.00	300	Horizontal	Pass
4**	7999.969	46.78	54.0	7.22	AV	255.00	300	Horizontal	Pass
5	12625.066	49.83	74.0	24.17	Peak	104.00	200	Horizontal	Pass
5**	12625.066	41.36	54.0	12.65	AV	104.00	200	Horizontal	Pass
6	17352.415	52.75	74.0	21.25	Peak	350.00	200	Horizontal	Pass
6**	17352.415	43.04	54.0	10.96	AV	350.00	200	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	1329.135	42.04	74.0	31.96	Peak	268.00	200	Vertical	Pass
1**	1329.135	29.75	54.0	24.25	AV	268.00	200	Vertical	Pass
2	2083.954	49.44	74.0	24.56	Peak	48.00	200	Vertical	Pass
2**	2083.954	42.83	54.0	11.17	AV	48.00	200	Vertical	Pass
3	6802.036	51.72	74.0	22.28	Peak	197.00	200	Vertical	Pass
3**	6802.036	42.26	54.0	11.74	AV	197.00	200	Vertical	Pass
4	7969.578	55.67	74.0	18.33	Peak	332.00	200	Vertical	Pass
4**	7969.578	42.80	54.0	11.20	AV	332.00	200	Vertical	Pass
5	12466.116	49.05	74.0	24.95	Peak	121.00	100	Vertical	Pass
5**	12466.116	38.91	54.0	15.09	AV	121.00	100	Vertical	Pass
6	17105.598	50.70	74.0	23.30	Peak	112.00	200	Vertical	Pass
6**	17105.598	42.70	54.0	11.30	AV	112.00	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 C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

Note ⁵: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

Test Data and Plots**SISO-ANT2****802.11b LOW CHANNEL**

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2386.551	55.32	74.0	18.68	Peak	320.00	100	Horizontal	Pass
1**	2386.551	43.83	54.0	10.17	AV	320.00	100	Horizontal	Pass
2	2390.000	53.80	74.0	20.20	Peak	224.00	300	Horizontal	Pass
2**	2390.000	43.78	54.0	10.22	AV	224.00	300	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	54.10	74.0	19.90	Peak	213.00	100	Horizontal	Pass
1**	2483.500	44.12	54.0	9.88	AV	213.00	100	Horizontal	Pass
2	2501.067	54.94	74.0	19.06	Peak	118.00	100	Horizontal	Pass
2**	2501.067	43.87	54.0	10.13	AV	118.00	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	2335.262	55.04	74.0	18.96	Peak	351.00	300	Horizontal	Pass
1**	2335.262	43.27	54.0	10.73	AV	351.00	300	Horizontal	Pass
2	2390.000	56.19	74.0	17.81	Peak	146.00	100	Horizontal	Pass
2**	2390.000	44.12	54.0	9.88	AV	146.00	100	Horizontal	Pass

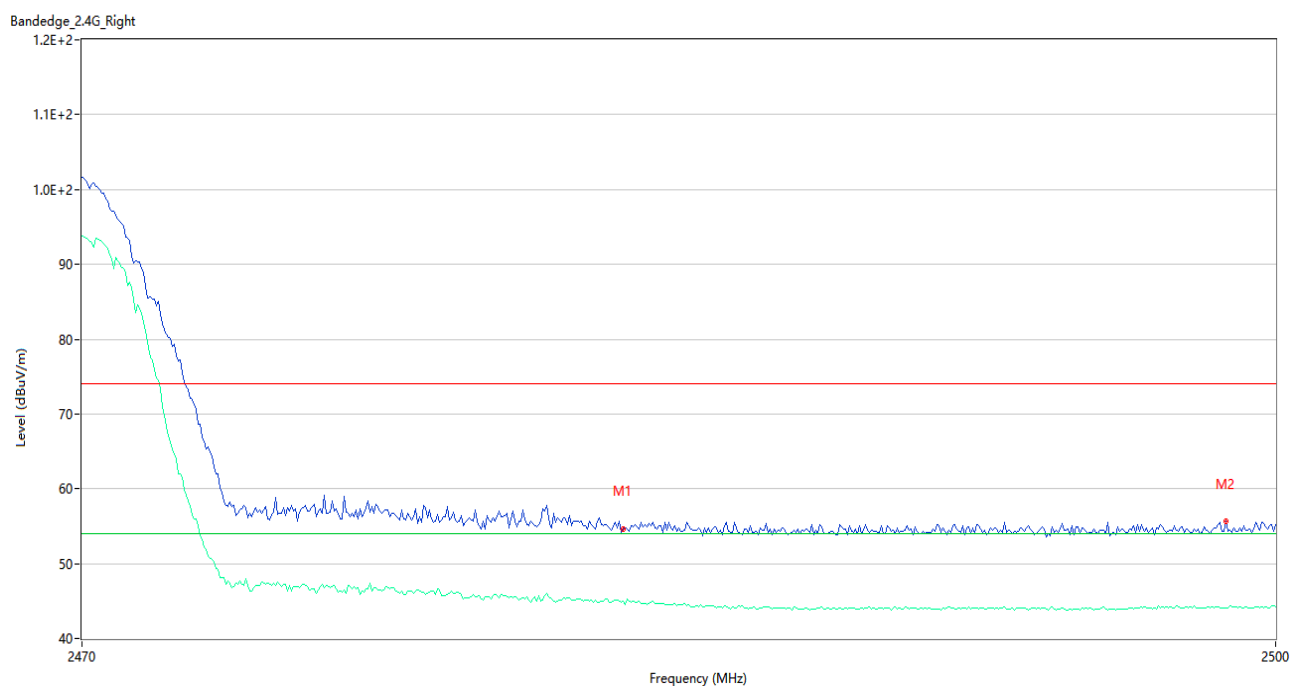
802.11g HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.66	74.0	18.34	Peak	198.00	100	Horizontal	Pass
1**	2483.500	44.28	54.0	9.72	AV	198.00	100	Horizontal	Pass
2	2483.953	56.07	74.0	17.93	Peak	258.00	100	Horizontal	Pass
2**	2483.953	44.18	54.0	9.82	AV	258.00	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	2387.143	56.05	74.0	17.95	Peak	203.00	200	Horizontal	Pass
1**	2387.143	44.52	54.0	9.48	AV	203.00	200	Horizontal	Pass
2	2390.000	56.46	74.0	17.54	Peak	83.00	100	Horizontal	Pass
2**	2390.000	44.32	54.0	9.68	AV	83.00	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	54.29	74.0	19.71	Peak	201.00	200	Horizontal	Pass
1**	2483.500	44.72	54.0	9.28	AV	201.00	200	Horizontal	Pass
2	2500.621	54.66	74.0	19.34	Peak	200.00	200	Horizontal	Pass
2**	2500.621	43.46	54.0	10.54	AV	200.00	200	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	2379.863	55.42	74.0	18.58	Peak	354.00	200	Horizontal	Pass
1**	2379.863	42.92	54.0	11.08	AV	354.00	200	Horizontal	Pass
2	2390.000	53.77	74.0	20.23	Peak	145.00	200	Horizontal	Pass
2**	2390.000	43.11	54.0	10.89	AV	145.00	200	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	56.12	74.0	17.88	Peak	24.00	100	Horizontal	Pass
1**	2483.500	43.69	54.0	10.31	AV	24.00	100	Horizontal	Pass
2	2486.300	56.34	74.0	17.66	Peak	325.00	200	Horizontal	Pass
2**	2486.300	44.47	54.0	9.53	AV	325.00	200	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	2379.926	56.75	74.0	17.25	Peak	42.00	300	Horizontal	Pass
1**	2379.926	44.25	54.0	9.75	AV	42.00	300	Horizontal	Pass
2	2390.000	56.43	74.0	17.57	Peak	340.00	200	Horizontal	Pass
2**	2390.000	44.60	54.0	9.40	AV	340.00	200	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	56.42	74.0	17.58	Peak	135.00	300	Horizontal	Pass
1**	2483.500	44.57	54.0	9.43	AV	135.00	300	Horizontal	Pass
2	2485.318	58.54	74.0	15.46	Peak	59.00	200	Horizontal	Pass
2**	2485.318	44.67	54.0	9.33	AV	59.00	200	Horizontal	Pass

802.11ax40(SU) LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2380.690	55.36	74.0	18.64	Peak	214.00	200	Horizontal	Pass
1**	2380.690	42.73	54.0	11.27	AV	214.00	200	Horizontal	Pass
2	2390.000	54.09	74.0	19.91	Peak	144.00	300	Horizontal	Pass
2**	2390.000	42.99	54.0	11.01	AV	144.00	300	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	54.83	74.0	19.17	Peak	33.00	300	Horizontal	Pass
1**	2483.500	43.77	54.0	10.23	AV	33.00	300	Horizontal	Pass
2	2485.489	59.63	74.0	14.37	Peak	356.00	100	Horizontal	Pass
2**	2485.489	44.50	54.0	9.50	AV	356.00	100	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

SISO-ANT1

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.35	8
Middle	-10.37	8
High	-9.62	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.15	8
Middle	-12.15	8
High	-11.99	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.29	8
Middle	-10.78	8
High	-11.75	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.27	8
Middle	-13.71	8
High	-13.08	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.04	8
Middle	-11.08	8
High	-11.47	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.19	8
Middle	-15.31	8
High	-14.54	8

SISO-ANT2

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.08	8
Middle	-10.15	8
High	-9.49	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.43	8
Middle	-12.04	8
High	-12.23	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.64	8
Middle	-12.44	8
High	-11.93	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.22	8
Middle	-13.88	8
High	-13.02	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.62	8
Middle	-12.08	8
High	-11.75	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.19	8
Middle	-15.08	8
High	-14.96	8

MIMO-ANT1**802.11b Mode:**

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.30	8
Middle	-13.28	8
High	-12.52	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.67	8
Middle	-14.68	8
High	-14.50	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.12	8
Middle	-13.45	8
High	-14.47	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.09	8
Middle	-16.41	8
High	-16.05	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.70	8
Middle	-13.65	8
High	-14.08	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.88	8
Middle	-17.95	8
High	-17.11	8

MIMO-ANT2**802.11b Mode:**

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.03	8
Middle	-13.12	8
High	-12.22	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.29	8
Middle	-14.78	8
High	-15.15	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.48	8
Middle	-15.27	8
High	-14.92	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.17	8
Middle	-16.56	8
High	-15.90	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.61	8
Middle	-14.73	8
High	-14.58	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.18	8
Middle	-17.75	8
High	-17.94	8

MIMO**802.11b Mode:**

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.07	8
Middle	-10.19	8
High	-9.35	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.96	8
Middle	-11.72	8
High	-11.80	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.28	8
Middle	-11.25	8
High	-11.68	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.12	8
Middle	-13.48	8
High	-12.97	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.12	8
Middle	-11.14	8
High	-11.31	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.01	8
Middle	-14.84	8
High	-14.49	8

Test Plots

SISO-ANT1

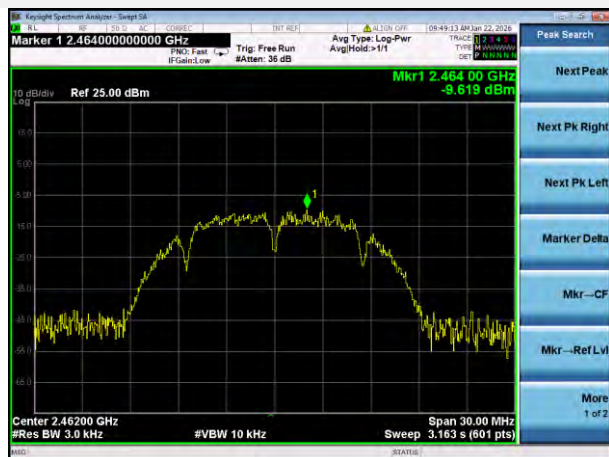
802.11b LOW CHANNEL



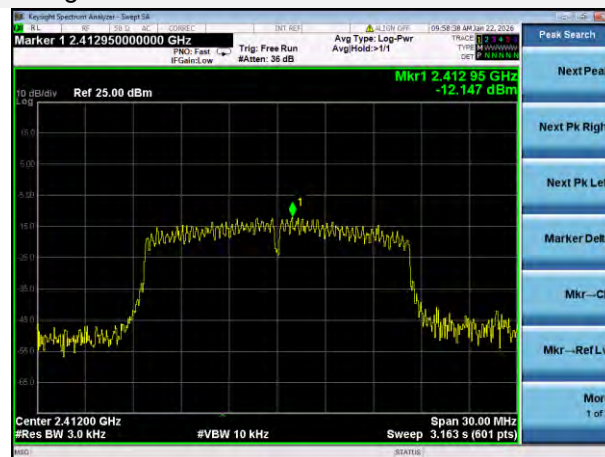
802.11b MIDDLE CHANNEL



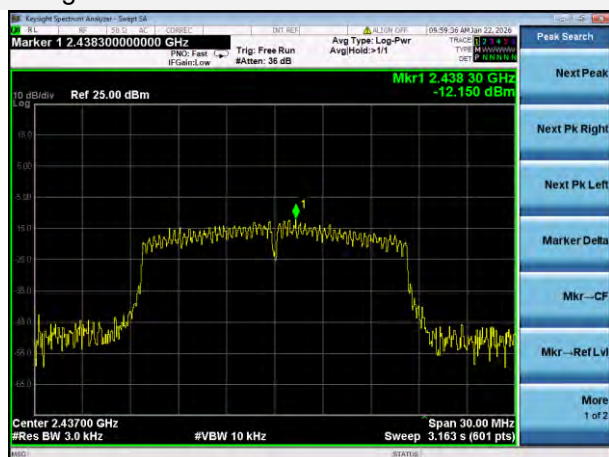
802.11b HIGH CHANNEL



802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL



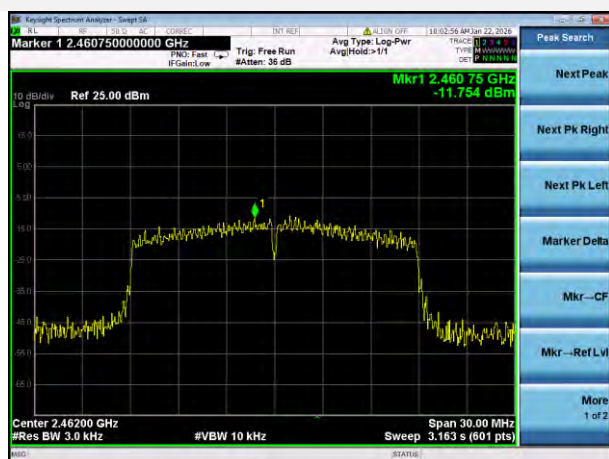
802.11n-20 MHz LOW CHANNEL



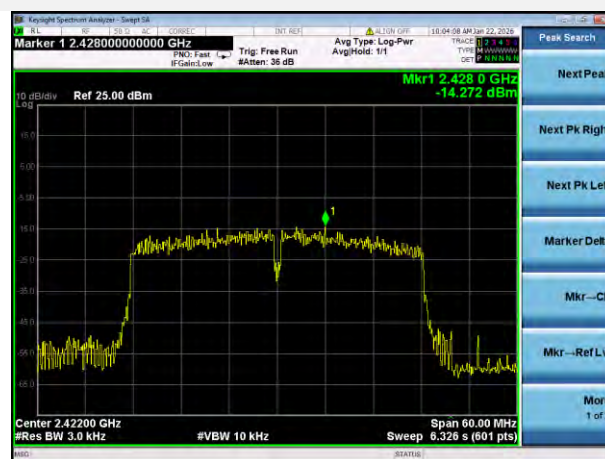
802.11n-20 MHz MIDDLE CHANNEL



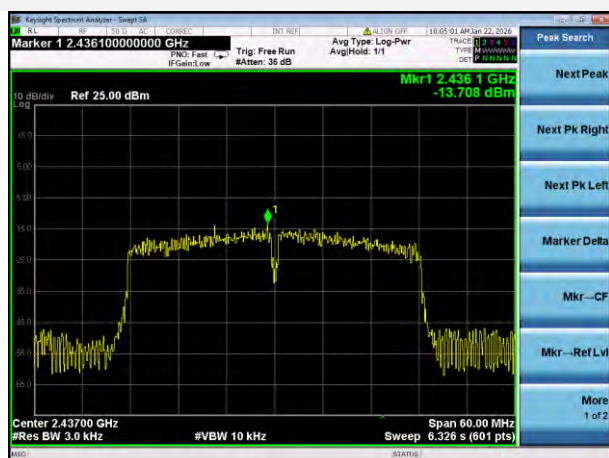
802.11n-20 MHz HIGH CHANNEL



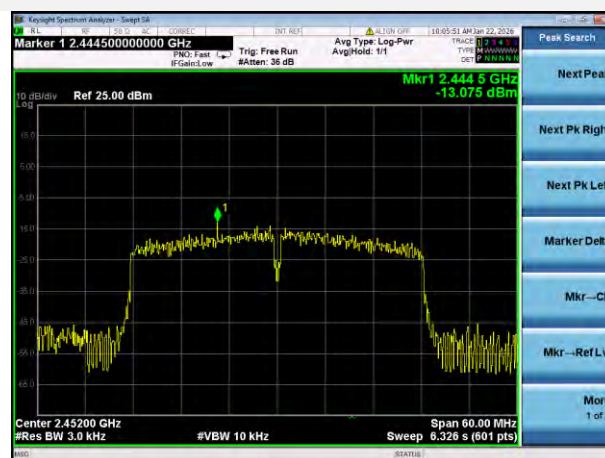
802.11n-40 MHz LOW CHANNEL



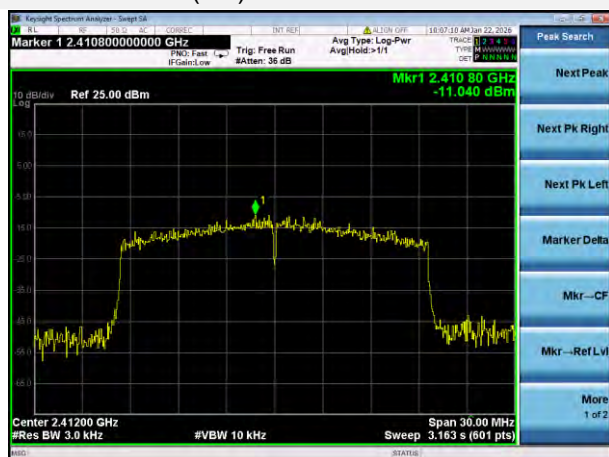
802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



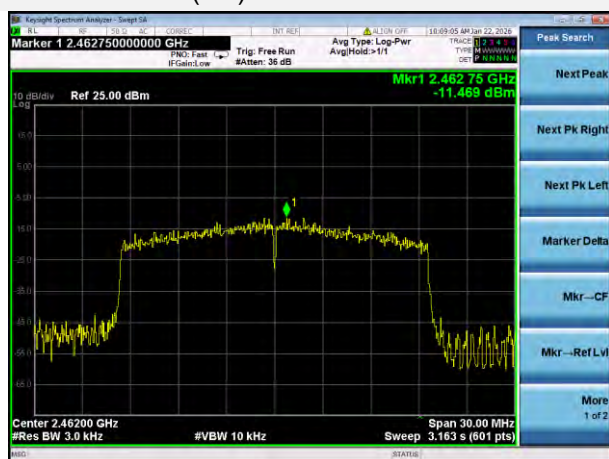
802.11ax-20 MHz(SU) LOW CHANNEL



802.11ax-20 MHz(SU) MIDDLE CHANNEL



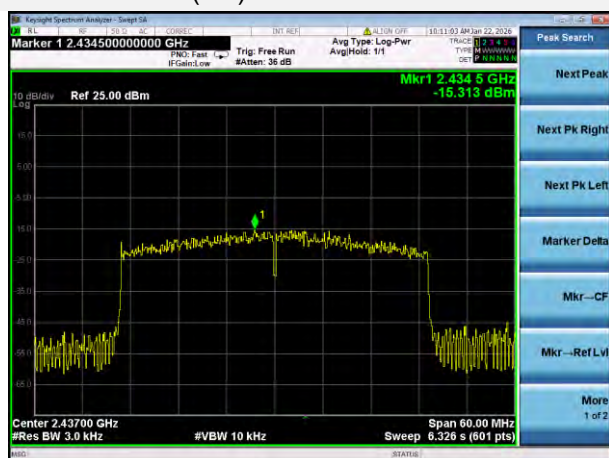
802.11ax-20 MHz(SU) HIGH CHANNEL



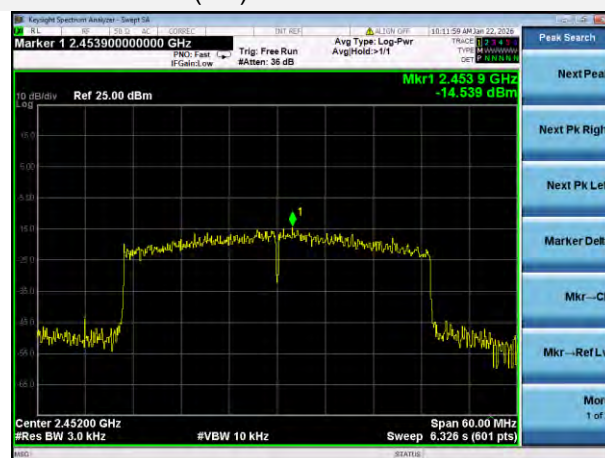
802.11ax-40 MHz(SU) LOW CHANNEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL



802.11ax-40 MHz(SU) HIGH CHANNEL



SISO-ANT2

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



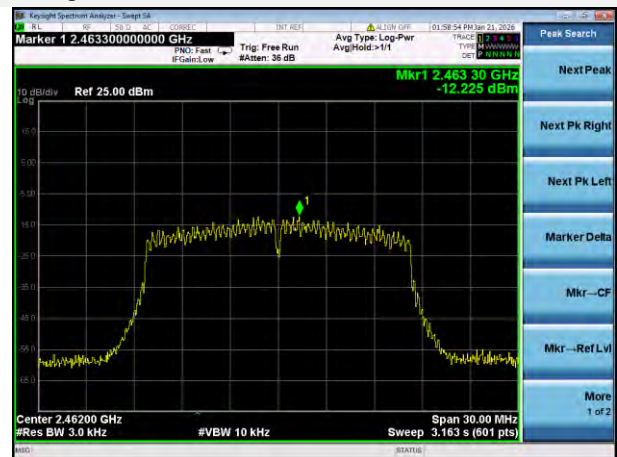
802.11g LOW CHANNEL



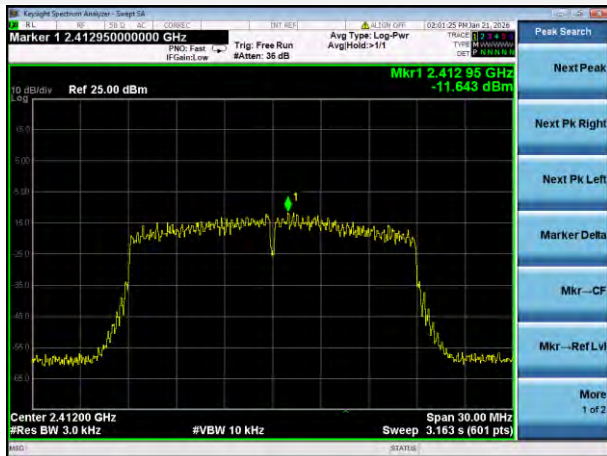
802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL



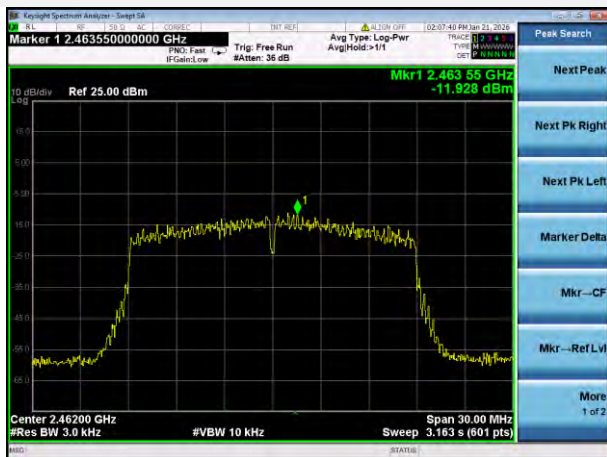
802.11n-20 MHz LOW CHANNEL



802.11n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



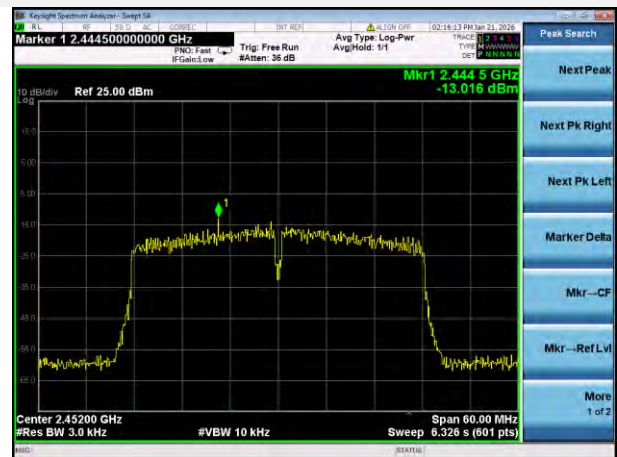
802.11n-40 MHz LOW CHANNEL



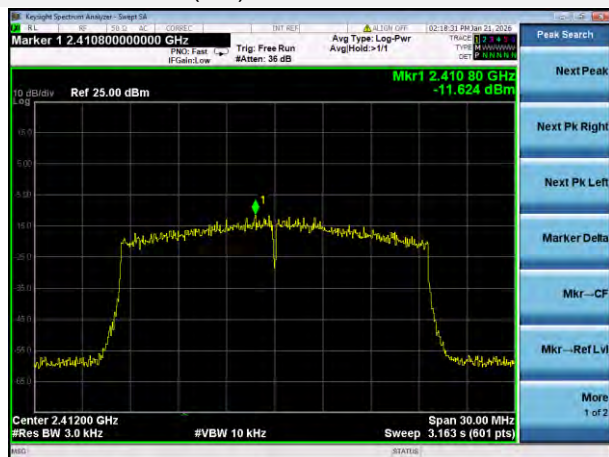
802.11n-40 MHz MIDDLE CHANNEL



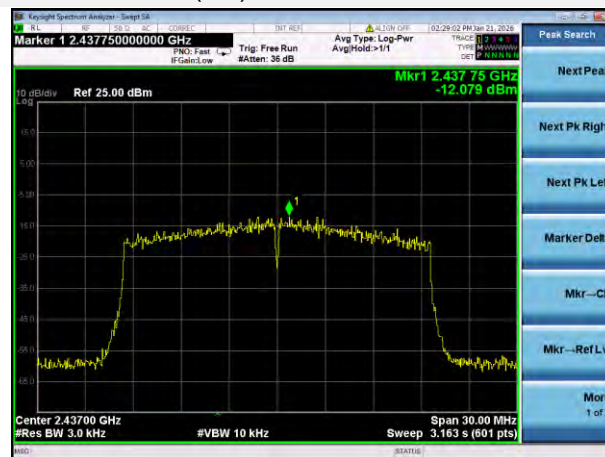
802.11n-40 MHz HIGH CHANNEL



802.11ax-20 MHz(SU) LOW CHANNEL



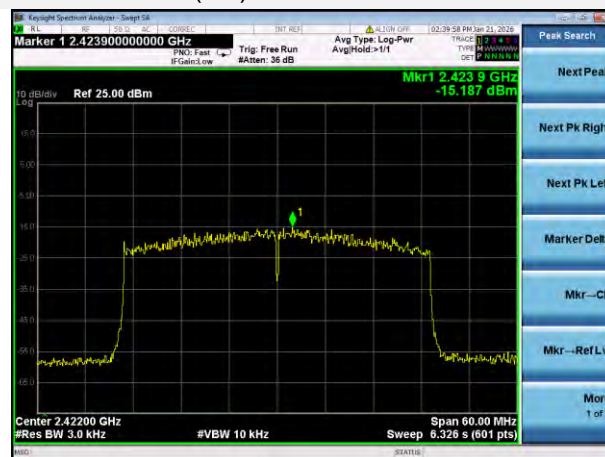
802.11ax-20 MHz(SU) MIDDLE CHANNEL



802.11ax-20 MHz(SU) HIGH CHANNEL



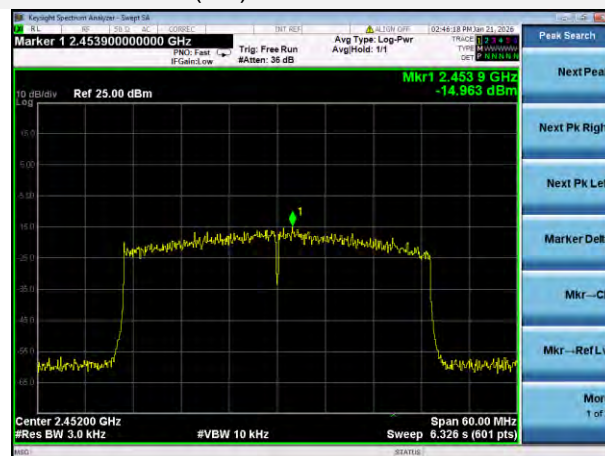
802.11ax-40 MHz(SU) LOW CHANNEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL



802.11ax-40 MHz(SU) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2610063-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2610063-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2610063-AI.PDF”.

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--END OF REPORT--