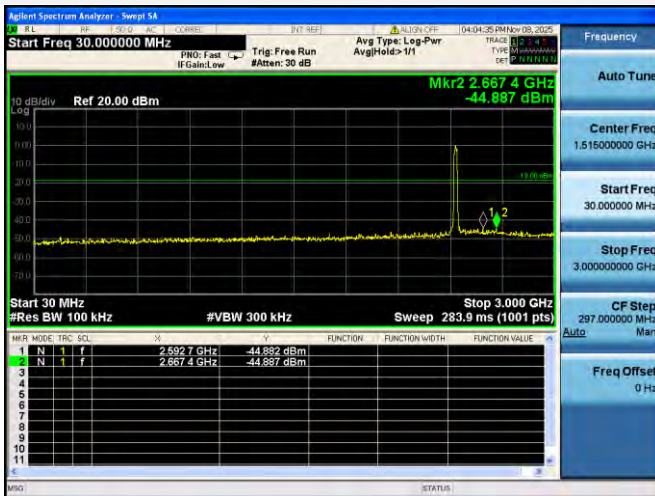
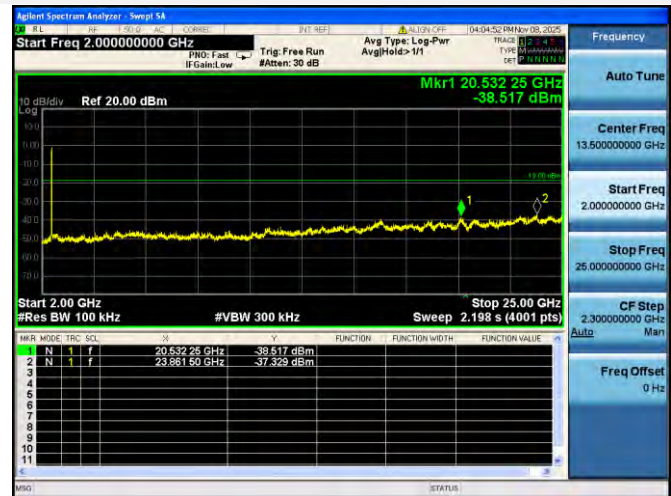


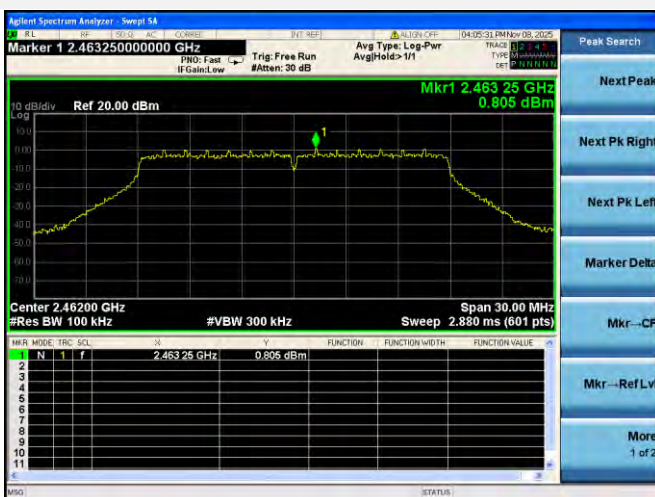
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



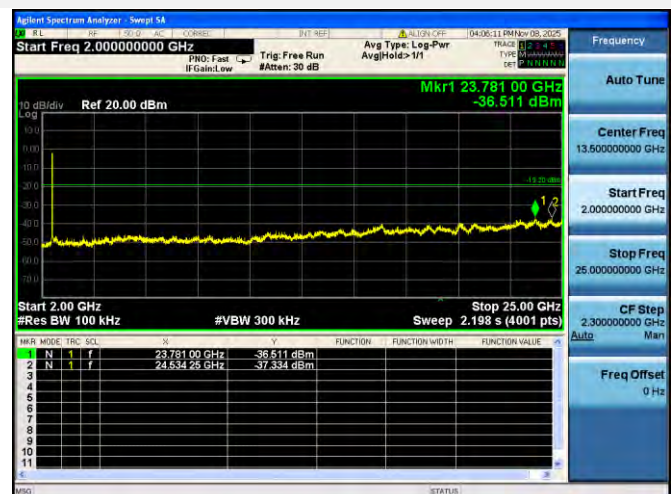
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



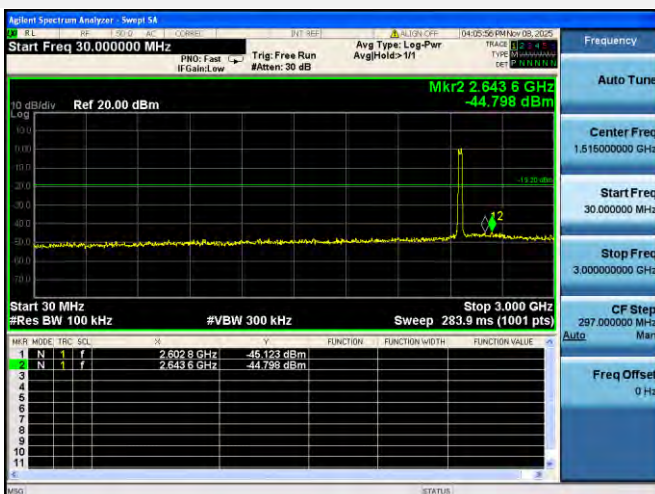
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



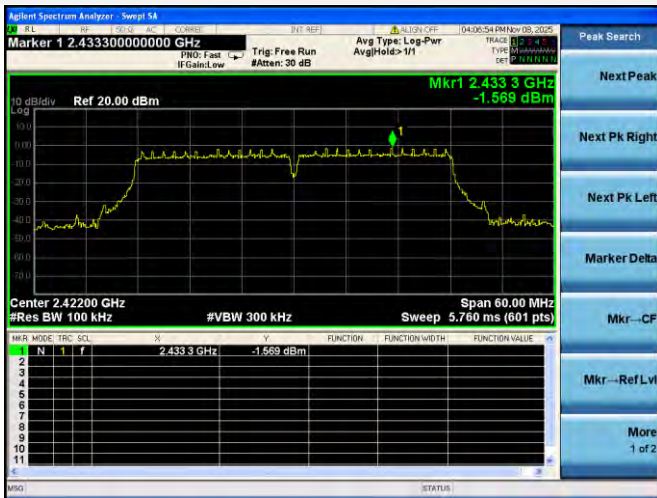
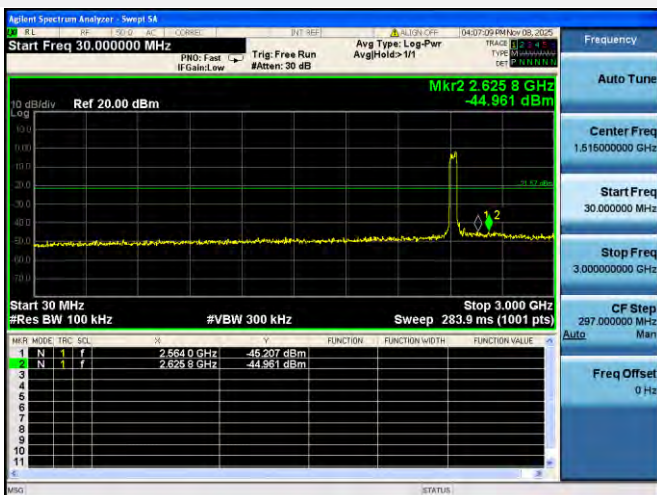
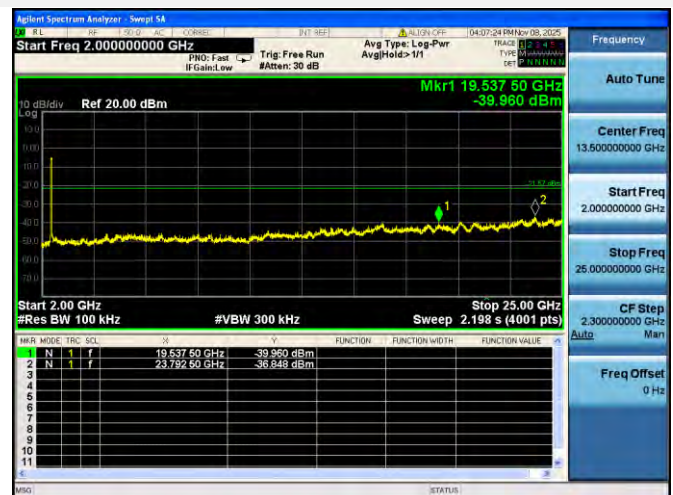
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



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



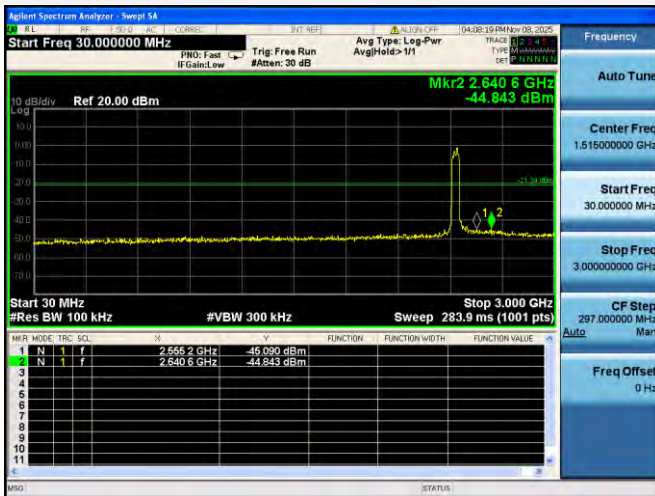
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

802.11n-40 MHz LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-40 MHz LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

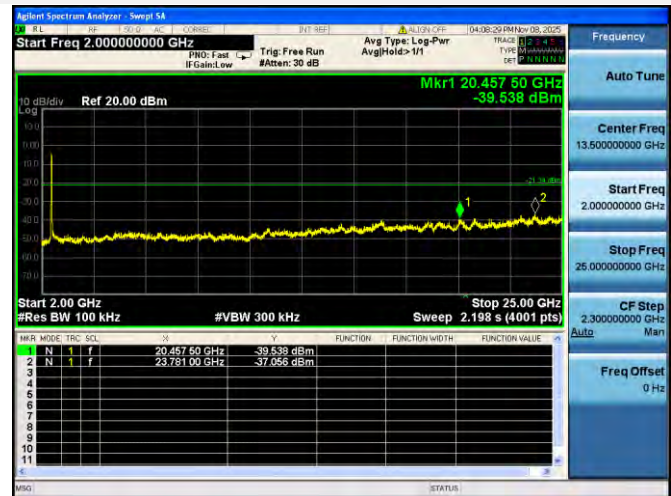
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



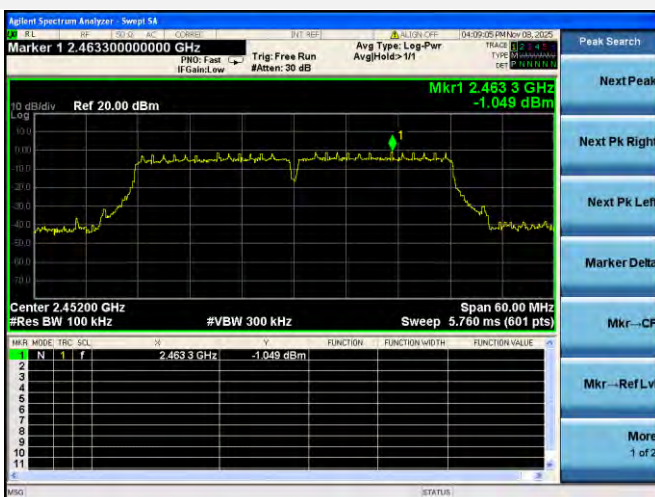
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



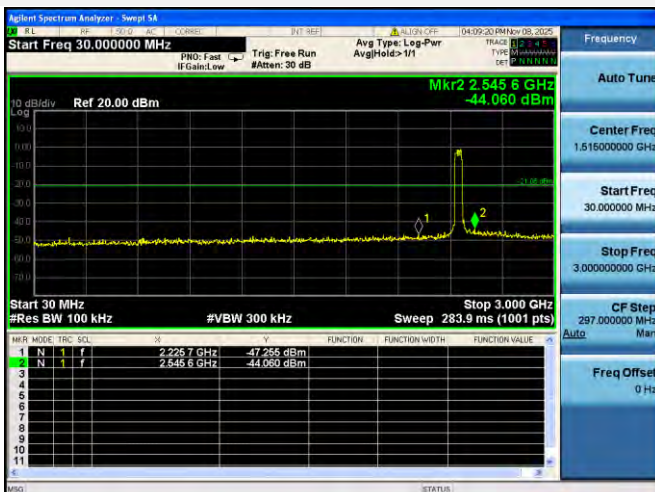
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



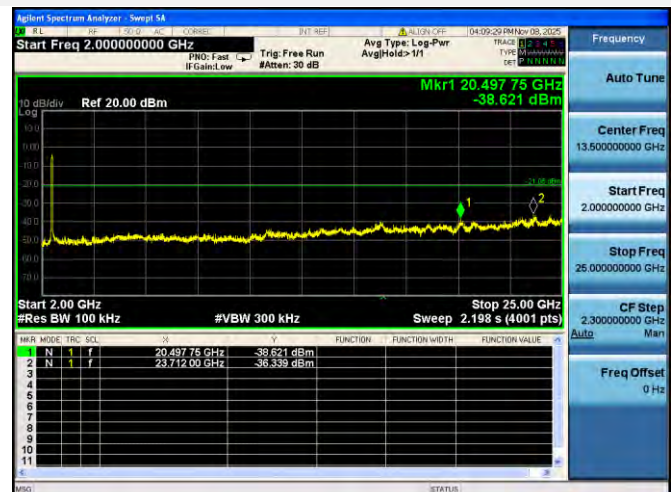
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



802.11n-40 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



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

Note ¹: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

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

Test Data

SISO-Antenna L

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-31.62	3.91	-16.09	Pass
High Channel	-45.69	3.53	-16.47	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-33.02	1.08	-18.92	Pass
High Channel	-44.06	1.24	-18.76	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-32.85	0.90	-19.11	Pass
High Channel	-43.71	1.57	-18.43	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-34.46	-1.50	-21.50	Pass
High Channel	-42.31	-2.05	-22.05	Pass

SISO-Antenna R

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-32.07	2.97	-17.03	Pass
High Channel	-45.56	4.13	-15.87	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-34.96	0.83	-19.17	Pass
High Channel	-43.91	0.90	-19.10	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-32.95	1.02	-18.98	Pass
High Channel	-43.48	0.81	-19.20	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-34.45	-1.57	-21.57	Pass
High Channel	-40.33	-1.05	-21.05	Pass

Test Plots

SISO-Antenna L

802.11b LOW CHANNEL, CARRIER LEVEL



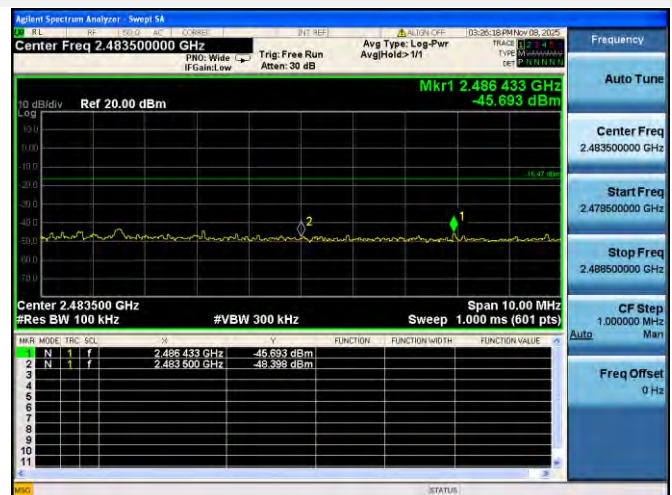
802.11b LOW CHANNEL, BAND EDGE



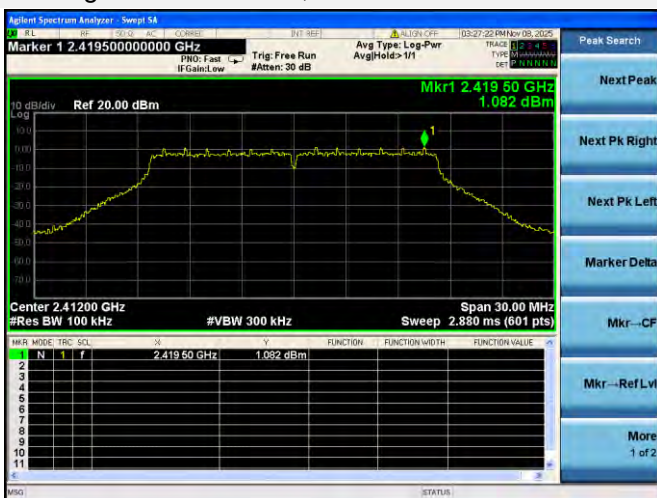
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



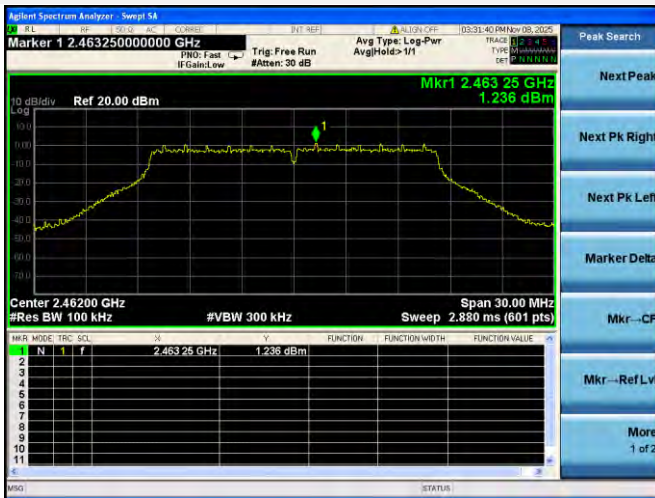
802.11g LOW CHANNEL, CARRIER LEVEL



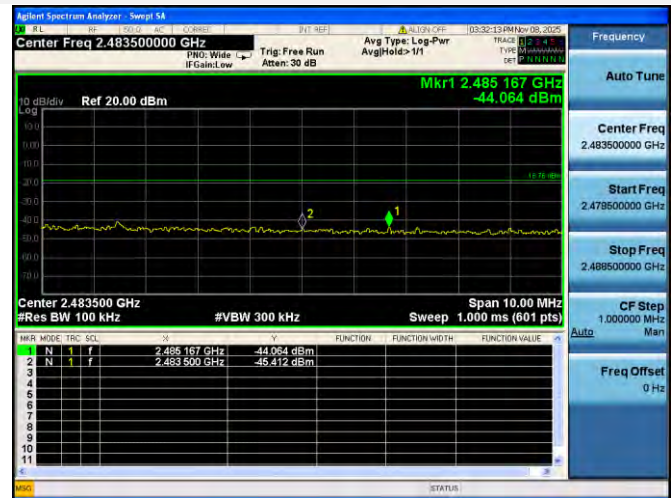
802.11g LOW CHANNEL, BAND EDGE



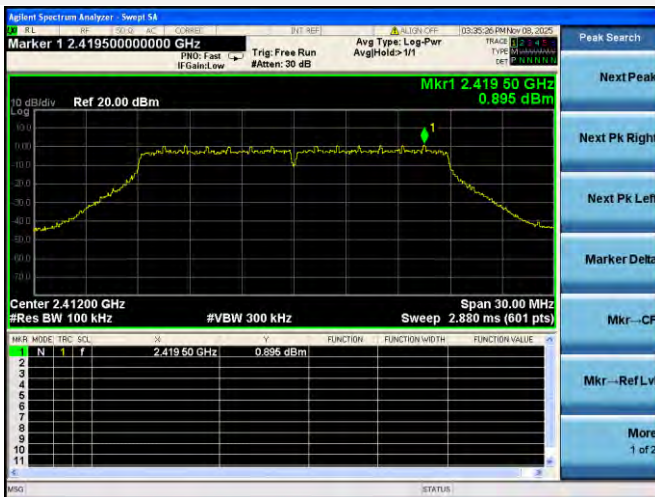
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



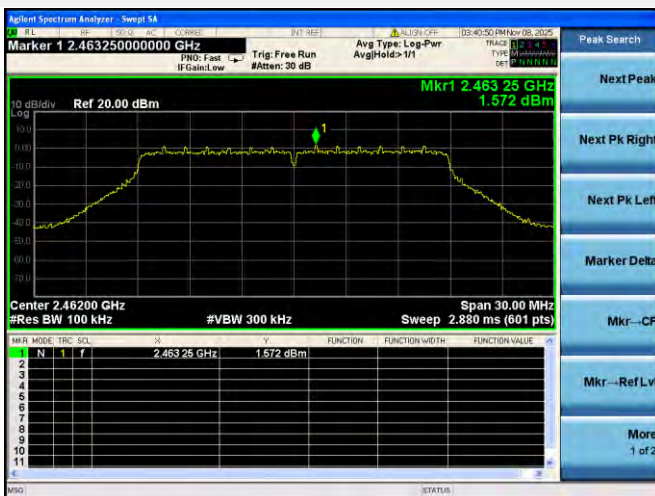
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



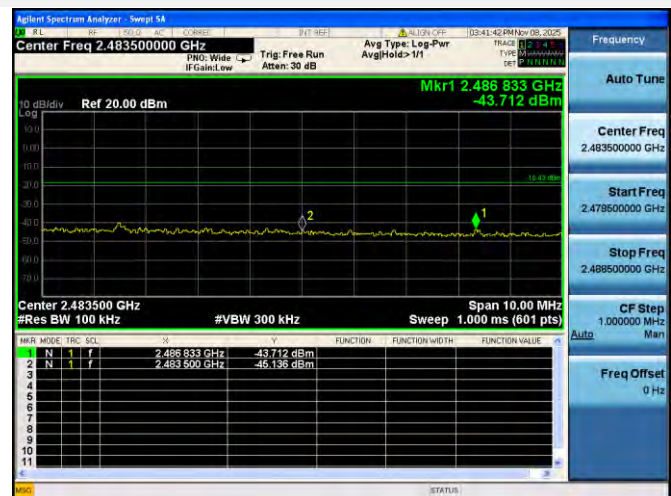
802.11n-20 MHz LOW CHANNEL, BAND EDGE



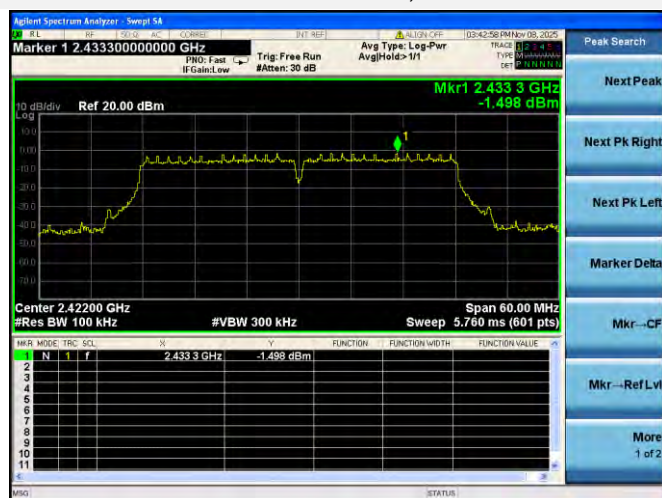
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



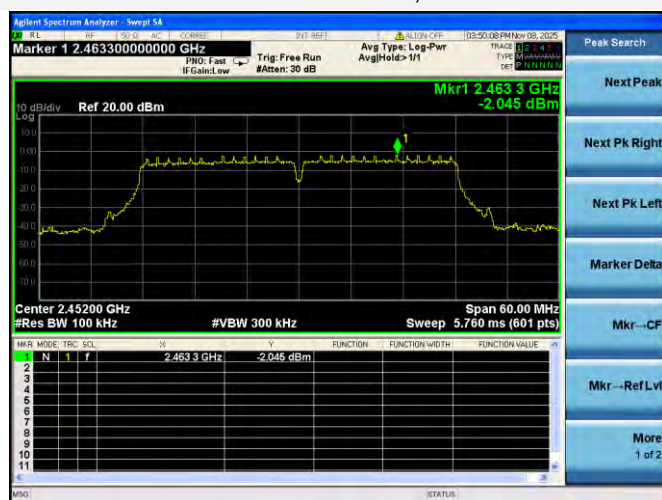
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



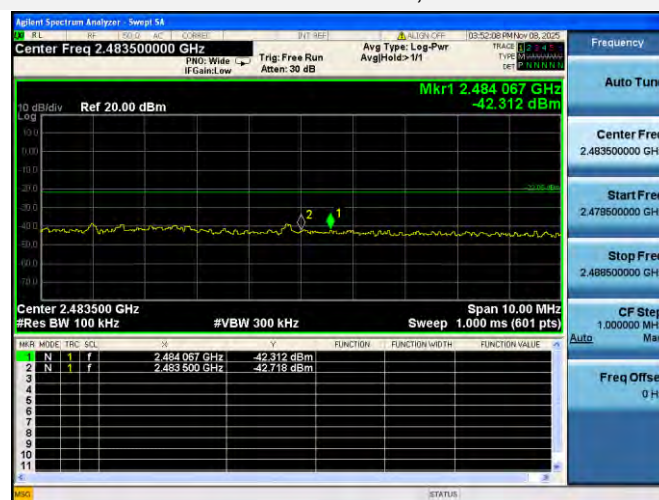
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



SISO-Antenna R

802.11b LOW CHANNEL, CARRIER LEVEL



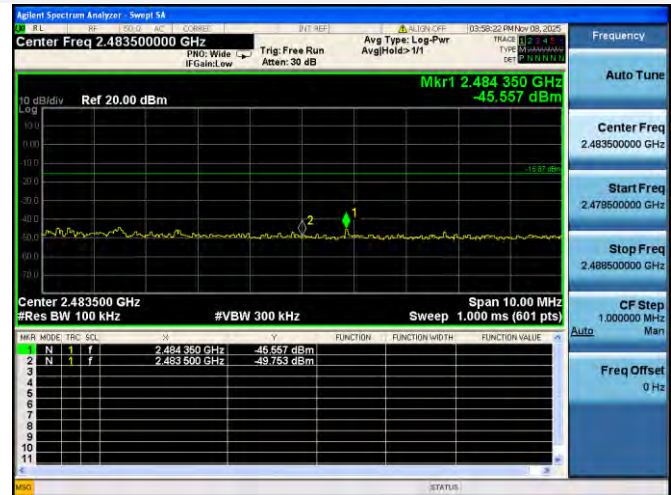
802.11b LOW CHANNEL, BAND EDGE



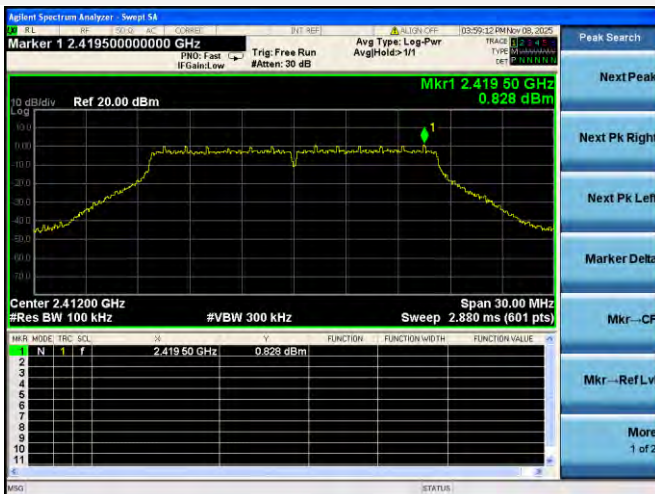
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



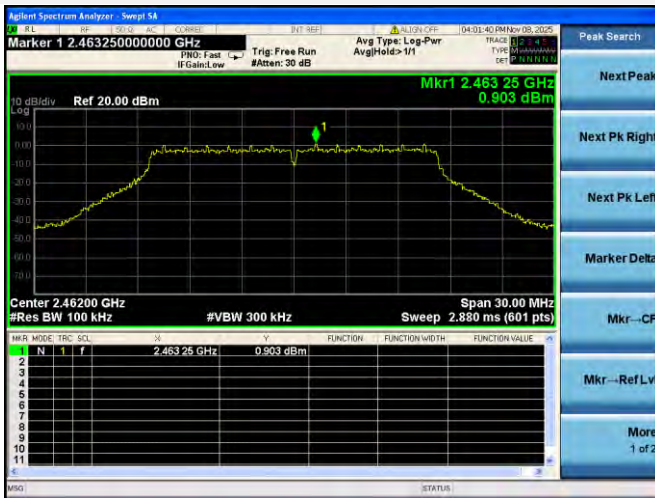
802.11g LOW CHANNEL, CARRIER LEVEL



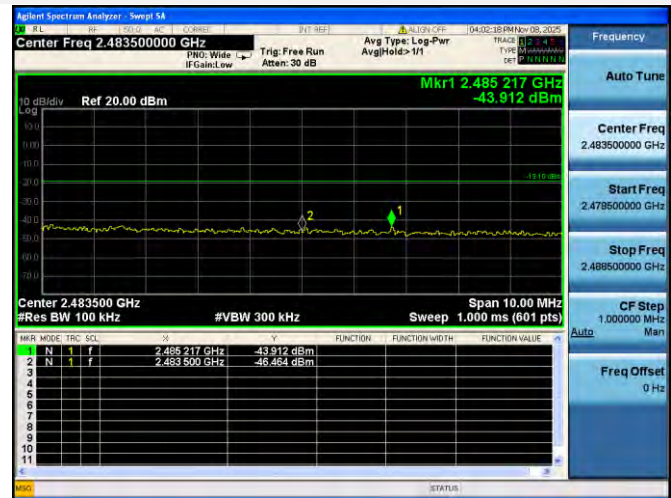
802.11g LOW CHANNEL, BAND EDGE



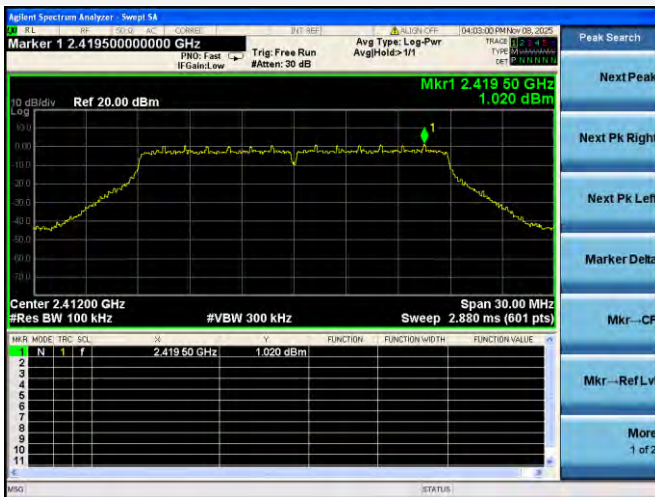
802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



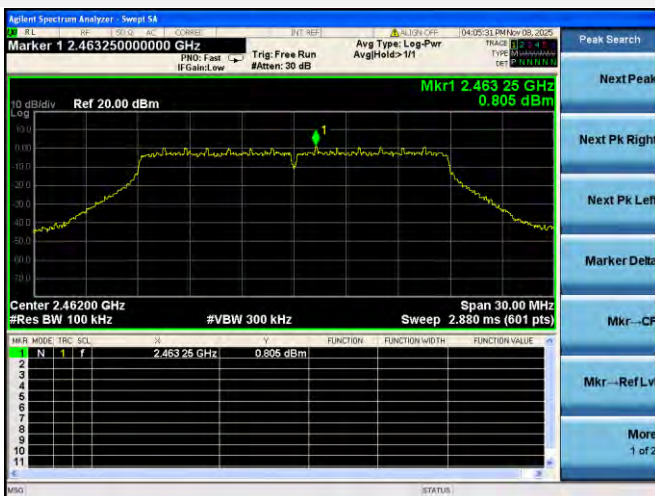
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



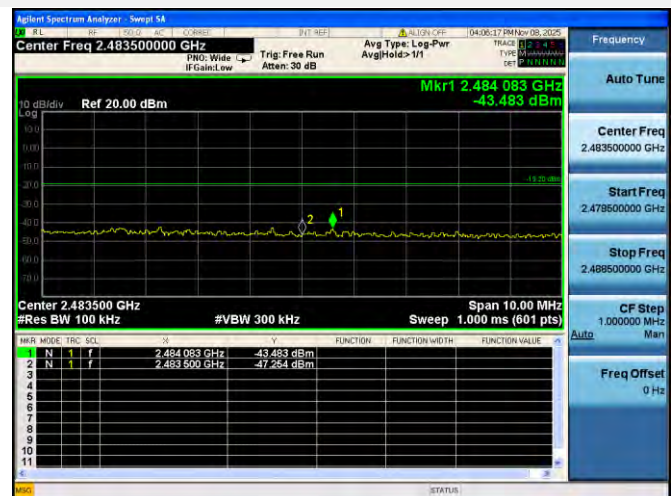
802.11n-20 MHz LOW CHANNEL, BAND EDGE



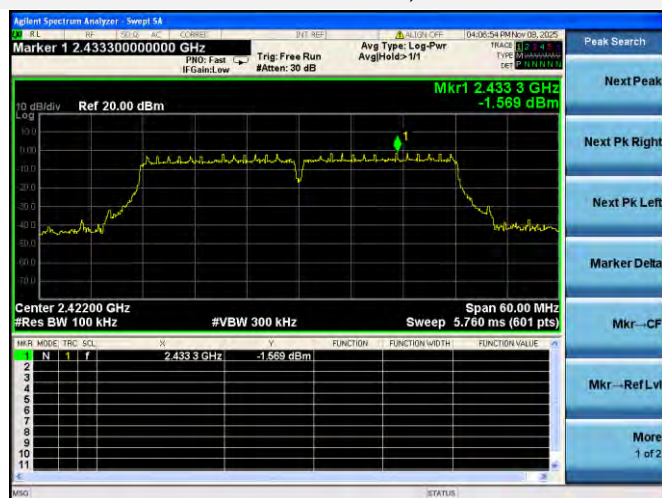
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



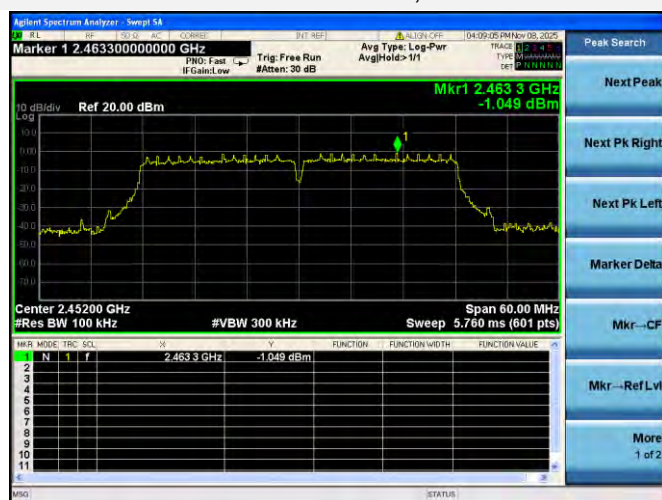
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



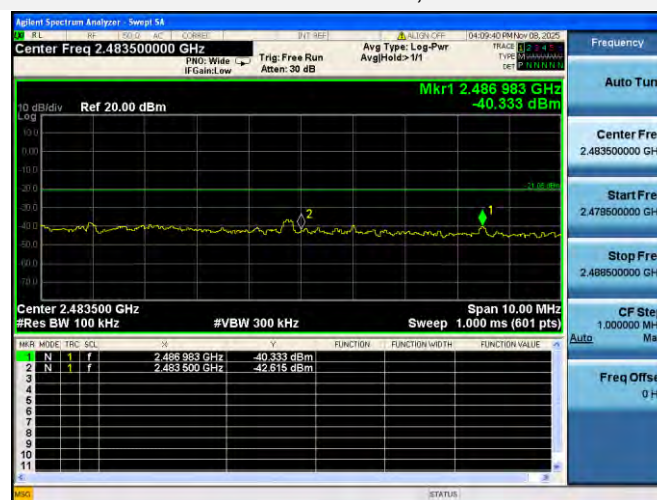
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

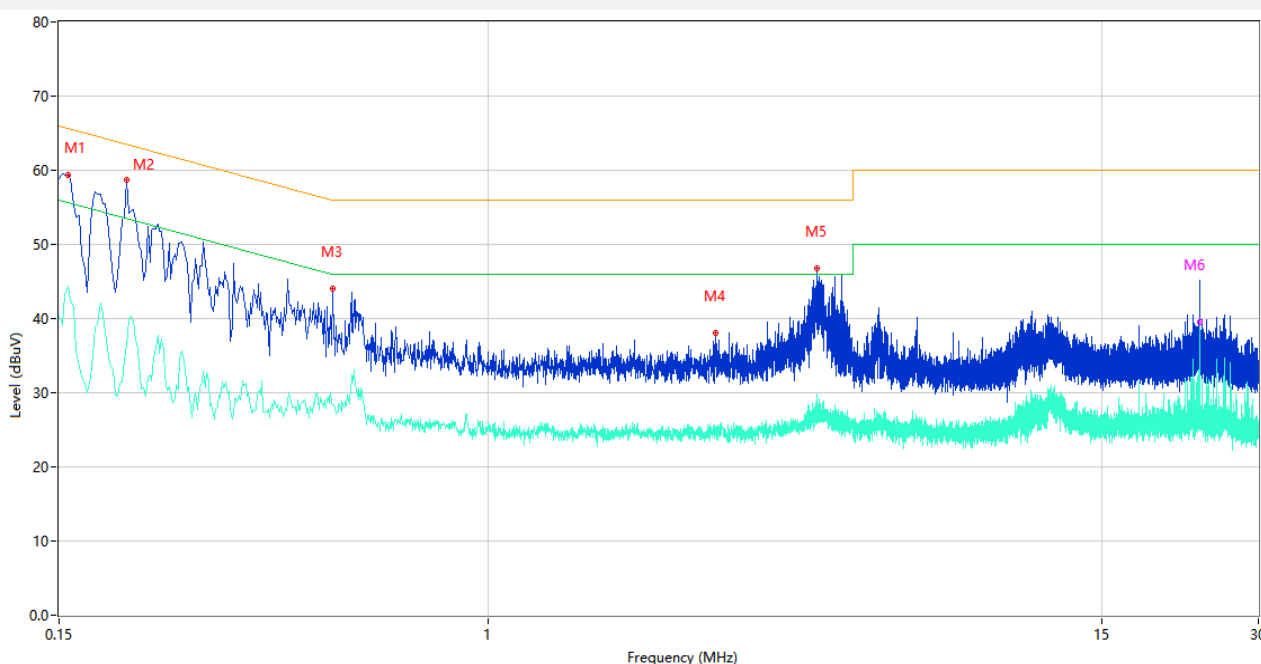
Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note ²: 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.

Note ³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

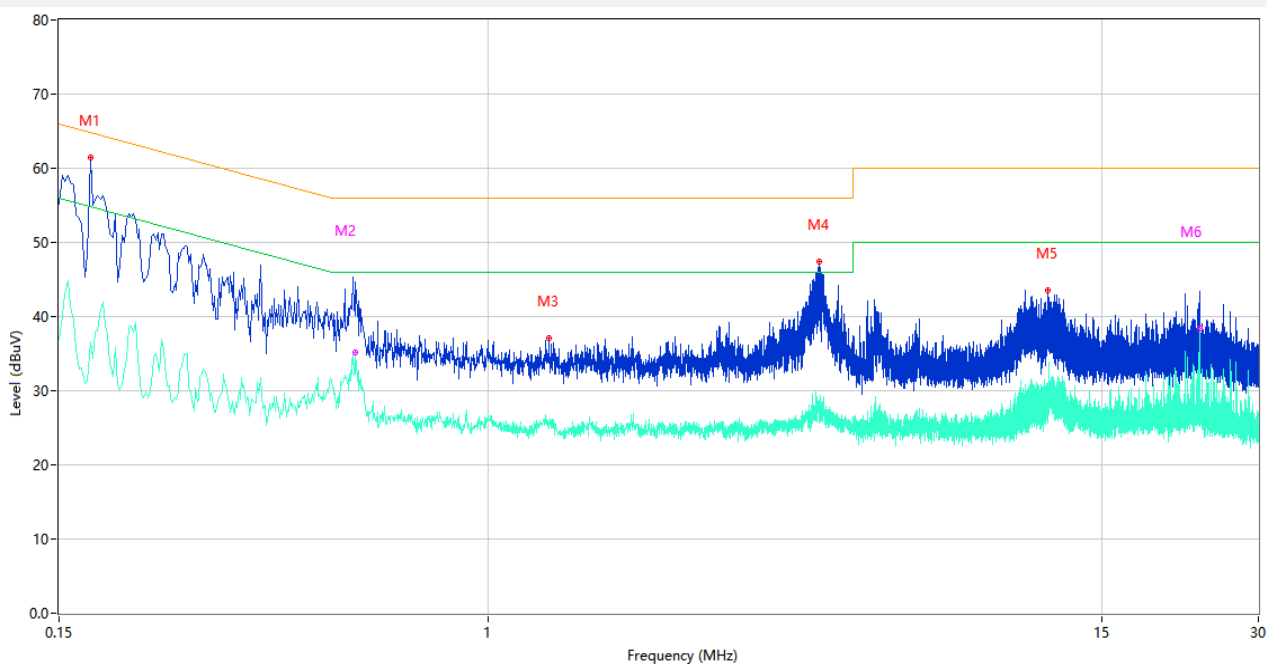
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.156	59.36	9.86	65.67	6.31	Peak	L	Pass
1**	0.156	44.29	9.86	55.67	11.38	AV	L	Pass
2	0.202	58.72	9.84	63.53	4.81	Peak	L	Pass
2**	0.202	36.49	9.84	53.53	17.04	AV	L	Pass
3	0.502	43.97	10.04	56.00	12.03	Peak	L	Pass
3**	0.502	28.36	10.04	46.00	17.64	AV	L	Pass
4	2.722	38.03	10.16	56.00	17.97	Peak	L	Pass
4**	2.722	24.83	10.16	46.00	21.17	AV	L	Pass
5	4.258	46.72	10.06	56.00	9.28	Peak	L	Pass
5**	4.258	29.76	10.06	46.00	16.24	AV	L	Pass
6	23.126	45.19	10.82	60.00	14.81	Peak	L	Pass
6**	23.126	39.57	10.82	50.00	10.43	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.172	61.50	9.85	64.86	3.36	Peak	N	Pass
1**	0.172	36.60	9.85	54.86	18.26	AV	N	Pass
2	0.554	44.71	10.10	56.00	11.29	Peak	N	Pass
2**	0.554	35.09	10.10	46.00	10.91	AV	N	Pass
3	1.306	37.06	10.50	56.00	18.94	Peak	N	Pass
3**	1.306	24.89	10.50	46.00	21.11	AV	N	Pass
4	4.308	47.41	10.37	56.00	8.59	Peak	N	Pass
4**	4.308	28.74	10.37	46.00	17.26	AV	N	Pass
5	11.852	43.52	10.60	60.00	16.48	Peak	N	Pass
5**	11.852	30.07	10.60	50.00	19.93	AV	N	Pass
6	23.128	43.33	10.82	60.00	16.67	Peak	N	Pass
6**	23.128	38.44	10.82	50.00	11.56	AV	N	Pass

A.6 Radiated Emission

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

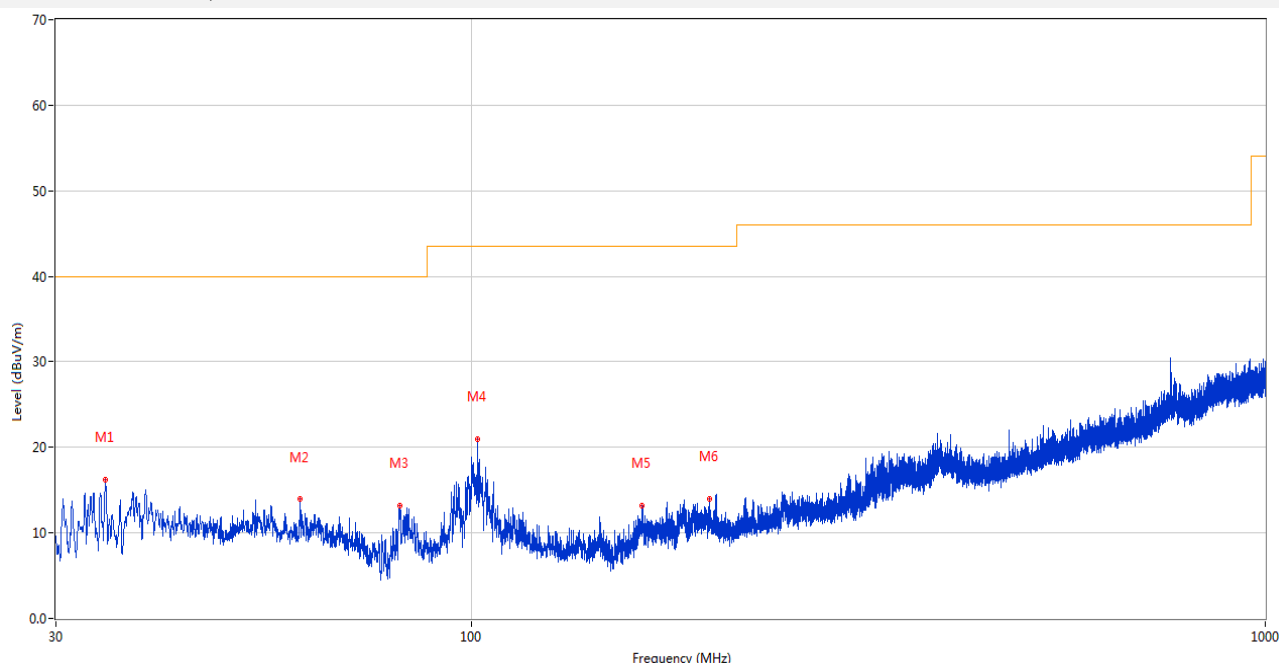
Note²: For the test data above 1 GHz, According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

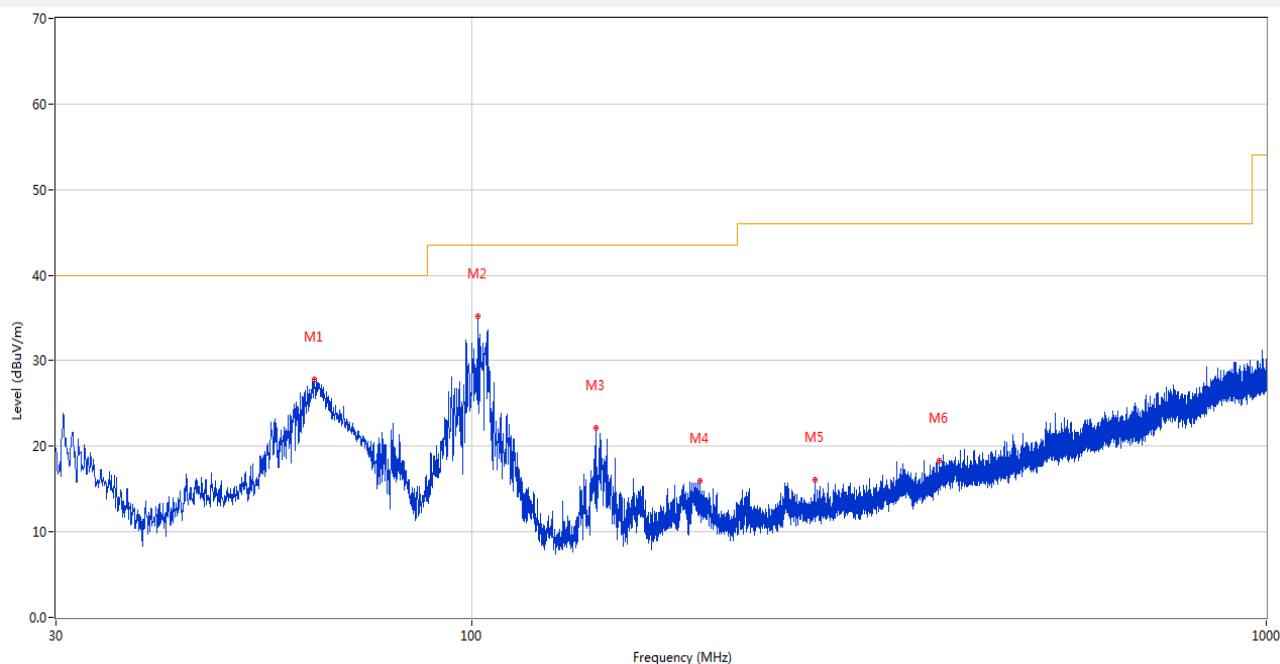
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	34.656	16.19	-28.26	40.0	23.81	Peak	1.00	100	Horizontal	Pass
2	60.943	13.91	-26.40	40.0	26.09	Peak	88.10	100	Horizontal	Pass
3	81.216	13.23	-31.46	40.0	26.77	Peak	156.50	100	Horizontal	Pass
4	101.877	21.02	-26.73	43.5	22.48	Peak	287.60	100	Horizontal	Pass
5	163.957	13.19	-28.47	43.5	30.31	Peak	107.00	100	Horizontal	Pass
6	199.750	13.97	-25.65	43.5	29.53	Peak	5.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	63.416	27.83	-26.93	40.0	12.17	Peak	55.40	100	Vertical	Pass
2	101.925	35.18	-26.75	43.5	8.32	Peak	161.70	100	Vertical	Pass
3	143.344	22.18	-29.54	43.5	21.32	Peak	137.40	100	Vertical	Pass
4	194.124	15.94	-25.91	43.5	27.56	Peak	41.00	100	Vertical	Pass
5	270.220	16.05	-23.96	46.0	29.95	Peak	181.20	100	Vertical	Pass
6	387.784	18.39	-20.65	46.0	27.61	Peak	89.80	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-Antenna L

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	1498.678	42.77	74.0	31.23	Peak	286.00	400	Horizontal	Pass
1**	1498.678	34.77	54.0	19.23	AV	286.00	400	Horizontal	Pass
2	2977.141	50.95	74.0	23.05	Peak	341.00	300	Horizontal	Pass
2**	2977.141	43.20	54.0	10.80	AV	341.00	300	Horizontal	Pass
3	4968.955	50.16	74.0	23.84	Peak	270.00	200	Horizontal	Pass
3**	4968.955	40.47	54.0	13.53	AV	270.00	200	Horizontal	Pass
4	6983.584	52.99	74.0	21.01	Peak	340.00	200	Horizontal	Pass
4**	6983.584	44.16	54.0	9.84	AV	340.00	200	Horizontal	Pass
5	12461.001	51.87	74.0	22.13	Peak	21.00	200	Horizontal	Pass
5**	12461.001	40.15	54.0	13.85	AV	21.00	200	Horizontal	Pass
6	17088.284	55.30	74.0	18.70	Peak	159.00	100	Horizontal	Pass
6**	17088.284	42.39	54.0	11.61	AV	159.00	100	Horizontal	Pass

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

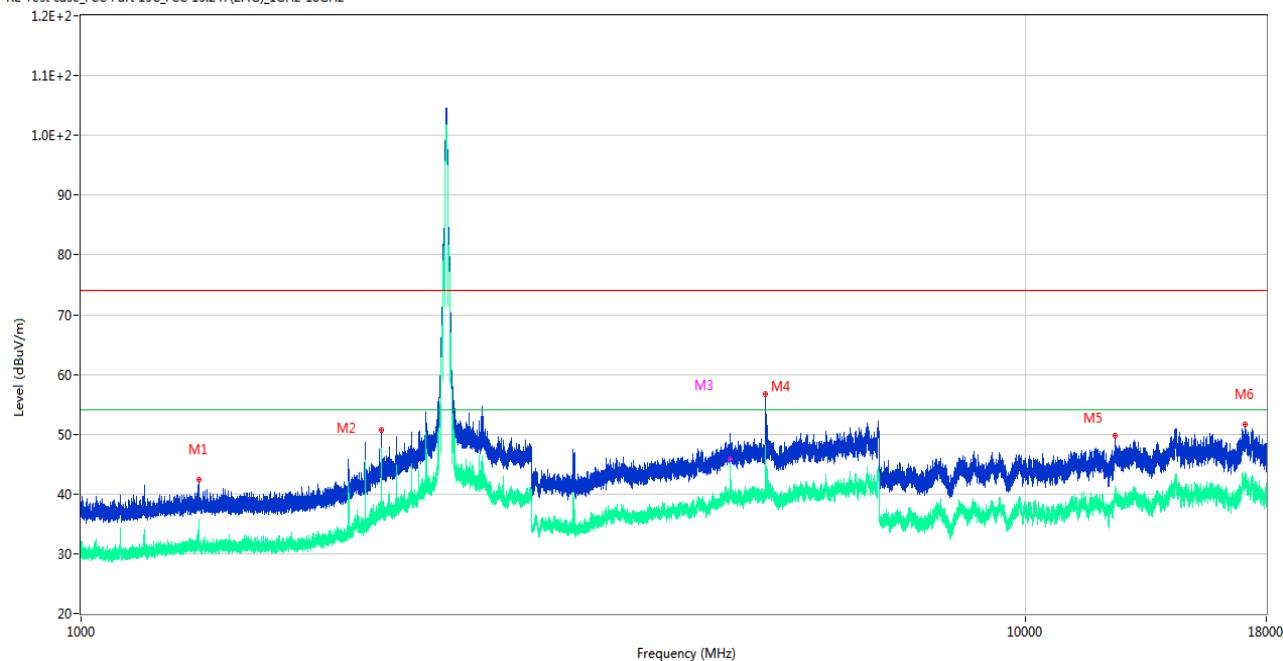
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.908	43.46	74.0	30.54	Peak	27.00	300	Vertical	Pass
1**	1331.908	32.28	54.0	21.72	AV	27.00	300	Vertical	Pass
2	2083.412	53.00	74.0	21.00	Peak	240.00	300	Vertical	Pass
2**	2083.412	44.73	54.0	9.27	AV	240.00	300	Vertical	Pass
3	6806.290	53.34	74.0	20.66	Peak	146.00	200	Vertical	Pass
3**	6806.290	44.74	54.0	9.26	AV	146.00	200	Vertical	Pass
4	7971.032	58.22	74.0	15.78	Peak	84.00	300	Vertical	Pass
4**	7971.032	46.01	54.0	7.99	AV	84.00	300	Vertical	Pass
5	12462.763	50.75	74.0	23.25	Peak	37.00	100	Vertical	Pass
5**	12462.763	40.49	54.0	13.51	AV	37.00	100	Vertical	Pass
6	17102.361	53.23	74.0	20.77	Peak	210.00	400	Vertical	Pass
6**	17102.361	43.40	54.0	10.60	AV	210.00	400	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	1503.432	42.25	74.0	31.75	Peak	229.00	300	Horizontal	Pass
1**	1503.432	34.16	54.0	19.84	AV	229.00	300	Horizontal	Pass
2	2975.389	50.10	74.0	23.90	Peak	225.00	400	Horizontal	Pass
2**	2975.389	42.91	54.0	11.09	AV	225.00	400	Horizontal	Pass
3	4974.764	49.41	74.0	24.59	Peak	307.00	200	Horizontal	Pass
3**	4974.764	39.92	54.0	14.08	AV	307.00	200	Horizontal	Pass
4	6985.641	52.05	74.0	21.95	Peak	5.00	300	Horizontal	Pass
4**	6985.641	43.72	54.0	10.28	AV	5.00	300	Horizontal	Pass
5	12466.286	51.74	74.0	22.26	Peak	89.00	300	Horizontal	Pass
5**	12466.286	39.25	54.0	14.75	AV	89.00	300	Horizontal	Pass
6	17088.543	54.78	74.0	19.22	Peak	6.00	200	Horizontal	Pass
6**	17088.543	41.79	54.0	12.21	AV	6.00	200	Horizontal	Pass

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

RE Test case_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	1332.500	42.48	74.0	31.52	Peak	132.00	200	Vertical	Pass
1**	1332.500	31.05	54.0	22.95	AV	132.00	200	Vertical	Pass
2	2080.000	50.63	74.0	23.37	Peak	196.00	150	Vertical	Pass
2**	2080.000	46.91	54.0	7.09	AV	196.00	150	Vertical	Pass
3	4874.000	48.42	74.0	25.58	Peak	227.00	150	Vertical	Pass
3**	4874.000	45.72	54.0	8.28	AV	227.00	150	Vertical	Pass
4	5310.000	56.76	74.0	17.24	Peak	73.00	200	Vertical	Pass
4**	5310.000	41.81	54.0	12.19	AV	73.00	200	Vertical	Pass
5	12464.800	49.78	74.0	24.22	Peak	266.00	100	Vertical	Pass
5**	12464.800	39.88	54.0	14.12	AV	266.00	100	Vertical	Pass
6	17104.874	51.62	74.0	22.38	Peak	340.00	150	Vertical	Pass
6**	17104.874	42.83	54.0	11.17	AV	340.00	150	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	1505.061	42.36	74.0	31.64	Peak	239.00	100	Horizontal	Pass
1**	1505.061	34.53	54.0	19.47	AV	239.00	100	Horizontal	Pass
2	2969.839	50.43	74.0	23.57	Peak	98.00	300	Horizontal	Pass
2**	2969.839	42.33	54.0	11.67	AV	98.00	300	Horizontal	Pass
3	4969.964	49.77	74.0	24.23	Peak	74.00	200	Horizontal	Pass
3**	4969.964	40.01	54.0	13.99	AV	74.00	200	Horizontal	Pass
4	6987.318	52.78	74.0	21.22	Peak	84.00	300	Horizontal	Pass
4**	6987.318	43.96	54.0	10.04	AV	84.00	300	Horizontal	Pass
5	12463.352	51.29	74.0	22.71	Peak	288.00	400	Horizontal	Pass
5**	12463.352	39.28	54.0	14.72	AV	288.00	400	Horizontal	Pass
6	17089.256	54.77	74.0	19.23	Peak	200.00	100	Horizontal	Pass
6**	17089.256	41.97	54.0	12.03	AV	200.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.444	42.64	74.0	31.36	Peak	60.00	300	Vertical	Pass
1**	1333.444	31.75	54.0	22.25	AV	60.00	300	Vertical	Pass
2	2081.945	52.90	74.0	21.10	Peak	326.00	100	Vertical	Pass
2**	2081.945	44.63	54.0	9.37	AV	326.00	100	Vertical	Pass
3	6803.300	53.09	74.0	20.91	Peak	242.00	200	Vertical	Pass
3**	6803.300	44.10	54.0	9.90	AV	242.00	200	Vertical	Pass
4	7963.914	58.15	74.0	15.85	Peak	310.00	200	Vertical	Pass
4**	7963.914	45.56	54.0	8.44	AV	310.00	200	Vertical	Pass
5	12461.164	49.88	74.0	24.12	Peak	159.00	400	Vertical	Pass
5**	12461.164	39.78	54.0	14.22	AV	159.00	400	Vertical	Pass
6	17108.679	52.61	74.0	21.39	Peak	324.00	300	Vertical	Pass
6**	17108.679	42.64	54.0	11.36	AV	324.00	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	1499.964	42.00	74.0	32.00	Peak	357.00	200	Horizontal	Pass
1**	1499.964	34.63	54.0	19.37	AV	357.00	200	Horizontal	Pass
2	2975.927	49.96	74.0	24.04	Peak	115.00	400	Horizontal	Pass
2**	2975.927	42.72	54.0	11.28	AV	115.00	400	Horizontal	Pass
3	4970.679	49.37	74.0	24.63	Peak	252.00	200	Horizontal	Pass
3**	4970.679	39.96	54.0	14.04	AV	252.00	200	Horizontal	Pass
4	6984.410	52.42	74.0	21.58	Peak	178.00	200	Horizontal	Pass
4**	6984.410	43.64	54.0	10.36	AV	178.00	200	Horizontal	Pass
5	12461.930	51.05	74.0	22.95	Peak	31.00	300	Horizontal	Pass
5**	12461.930	39.44	54.0	14.56	AV	31.00	300	Horizontal	Pass
6	17084.103	55.23	74.0	18.77	Peak	150.00	400	Horizontal	Pass
6**	17084.103	41.42	54.0	12.58	AV	150.00	400	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	1336.295	42.42	74.0	31.58	Peak	227.00	200	Vertical	Pass
1**	1336.295	31.19	54.0	22.81	AV	227.00	200	Vertical	Pass
2	2080.752	51.89	74.0	22.11	Peak	131.00	200	Vertical	Pass
2**	2080.752	43.96	54.0	10.04	AV	131.00	200	Vertical	Pass
3	6803.292	52.37	74.0	21.63	Peak	287.00	200	Vertical	Pass
3**	6803.292	43.61	54.0	10.39	AV	287.00	200	Vertical	Pass
4	7966.309	57.74	74.0	16.26	Peak	141.00	300	Vertical	Pass
4**	7966.309	45.34	54.0	8.66	AV	141.00	300	Vertical	Pass
5	12464.459	49.71	74.0	24.29	Peak	71.00	100	Vertical	Pass
5**	12464.459	40.15	54.0	13.85	AV	71.00	100	Vertical	Pass
6	17101.981	52.27	74.0	21.73	Peak	314.00	200	Vertical	Pass
6**	17101.981	41.69	54.0	12.31	AV	314.00	200	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	1503.271	41.54	74.0	32.46	Peak	161.00	400	Horizontal	Pass
1**	1503.271	34.15	54.0	19.85	AV	161.00	400	Horizontal	Pass
2	2970.624	49.33	74.0	24.67	Peak	323.00	100	Horizontal	Pass
2**	2970.624	42.54	54.0	11.46	AV	323.00	100	Horizontal	Pass
3	4974.351	48.51	74.0	25.49	Peak	52.00	200	Horizontal	Pass
3**	4974.351	39.83	54.0	14.17	AV	52.00	200	Horizontal	Pass
4	6987.711	51.77	74.0	22.23	Peak	58.00	200	Horizontal	Pass
4**	6987.711	43.22	54.0	10.78	AV	58.00	200	Horizontal	Pass
5	12464.242	50.96	74.0	23.04	Peak	170.00	300	Horizontal	Pass
5**	12464.242	39.06	54.0	14.94	AV	170.00	300	Horizontal	Pass
6	17084.830	53.81	74.0	20.19	Peak	130.00	400	Horizontal	Pass
6**	17084.830	41.14	54.0	12.86	AV	130.00	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	1331.718	42.18	74.0	31.82	Peak	237.00	400	Vertical	Pass
1**	1331.718	31.08	54.0	22.92	AV	237.00	400	Vertical	Pass
2	2080.646	52.41	74.0	21.59	Peak	131.00	100	Vertical	Pass
2**	2080.646	43.86	54.0	10.14	AV	131.00	100	Vertical	Pass
3	6802.351	52.96	74.0	21.04	Peak	149.00	200	Vertical	Pass
3**	6802.351	43.44	54.0	10.56	AV	149.00	200	Vertical	Pass
4	7966.556	57.94	74.0	16.06	Peak	348.00	200	Vertical	Pass
4**	7966.556	45.45	54.0	8.55	AV	348.00	200	Vertical	Pass
5	12463.280	49.08	74.0	24.92	Peak	9.00	200	Vertical	Pass
5**	12463.280	39.22	54.0	14.78	AV	9.00	200	Vertical	Pass
6	17102.101	52.29	74.0	21.71	Peak	155.00	100	Vertical	Pass
6**	17102.101	42.46	54.0	11.54	AV	155.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.364	41.65	74.0	32.35	Peak	3.00	400	Horizontal	Pass
1**	1498.364	34.28	54.0	19.72	AV	3.00	400	Horizontal	Pass
2	2973.769	50.27	74.0	23.73	Peak	304.00	200	Horizontal	Pass
2**	2973.769	41.50	54.0	12.50	AV	304.00	200	Horizontal	Pass
3	4975.161	49.32	74.0	24.68	Peak	95.00	200	Horizontal	Pass
3**	4975.161	39.17	54.0	14.83	AV	95.00	200	Horizontal	Pass
4	6986.993	51.79	74.0	22.21	Peak	79.00	300	Horizontal	Pass
4**	6986.993	43.41	54.0	10.59	AV	79.00	300	Horizontal	Pass
5	12458.833	50.58	74.0	23.42	Peak	58.00	200	Horizontal	Pass
5**	12458.833	38.93	54.0	15.07	AV	58.00	200	Horizontal	Pass
6	17085.999	54.72	74.0	19.28	Peak	169.00	300	Horizontal	Pass
6**	17085.999	41.45	54.0	12.55	AV	169.00	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	1334.880	42.36	74.0	31.64	Peak	193.00	300	Vertical	Pass
1**	1334.880	31.15	54.0	22.85	AV	193.00	300	Vertical	Pass
2	2080.984	51.86	74.0	22.14	Peak	22.00	400	Vertical	Pass
2**	2080.984	43.90	54.0	10.10	AV	22.00	400	Vertical	Pass
3	6804.244	52.31	74.0	21.69	Peak	135.00	200	Vertical	Pass
3**	6804.244	43.59	54.0	10.41	AV	135.00	200	Vertical	Pass
4	7966.121	57.70	74.0	16.30	Peak	33.00	300	Vertical	Pass
4**	7966.121	45.33	54.0	8.67	AV	33.00	300	Vertical	Pass
5	12461.064	49.66	74.0	24.34	Peak	156.00	300	Vertical	Pass
5**	12461.064	40.13	54.0	13.87	AV	156.00	300	Vertical	Pass
6	17104.428	52.24	74.0	21.76	Peak	145.00	100	Vertical	Pass
6**	17104.428	41.67	54.0	12.33	AV	145.00	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	1505.423	41.98	74.0	32.02	Peak	259.00	400	Horizontal	Pass
1**	1505.423	34.63	54.0	19.37	AV	259.00	400	Horizontal	Pass
2	2971.111	49.88	74.0	24.12	Peak	107.00	300	Horizontal	Pass
2**	2971.111	42.68	54.0	11.33	AV	107.00	300	Horizontal	Pass
3	4971.421	49.30	74.0	24.70	Peak	187.00	200	Horizontal	Pass
3**	4971.421	39.91	54.0	14.09	AV	187.00	200	Horizontal	Pass
4	6983.098	52.38	74.0	21.62	Peak	17.00	400	Horizontal	Pass
4**	6983.098	43.57	54.0	10.43	AV	17.00	400	Horizontal	Pass
5	12465.678	50.95	74.0	23.05	Peak	230.00	300	Horizontal	Pass
5**	12465.678	39.43	54.0	14.58	AV	230.00	300	Horizontal	Pass
6	17090.778	55.15	74.0	18.85	Peak	229.00	200	Horizontal	Pass
6**	17090.778	41.42	54.0	12.58	AV	229.00	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	1332.283	42.18	74.0	31.82	Peak	231.00	400	Vertical	Pass
1**	1332.283	31.04	54.0	22.96	AV	231.00	400	Vertical	Pass
2	2076.109	52.34	74.0	21.66	Peak	94.00	100	Vertical	Pass
2**	2076.109	43.82	54.0	10.18	AV	94.00	100	Vertical	Pass
3	6805.843	52.93	74.0	21.07	Peak	319.00	200	Vertical	Pass
3**	6805.843	43.40	54.0	10.61	AV	319.00	200	Vertical	Pass
4	7967.435	57.85	74.0	16.15	Peak	162.00	400	Vertical	Pass
4**	7967.435	45.39	54.0	8.61	AV	162.00	400	Vertical	Pass
5	12460.839	49.03	74.0	24.97	Peak	247.00	100	Vertical	Pass
5**	12460.839	39.16	54.0	14.84	AV	247.00	100	Vertical	Pass
6	17108.183	52.24	74.0	21.77	Peak	4.00	200	Vertical	Pass
6**	17108.183	42.40	54.0	11.61	AV	4.00	200	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	1505.731	42.73	74.0	31.27	Peak	280.00	300	Horizontal	Pass
1**	1505.731	34.76	54.0	19.24	AV	280.00	300	Horizontal	Pass
2	2972.149	50.92	74.0	23.08	Peak	92.00	200	Horizontal	Pass
2**	2972.149	43.11	54.0	10.89	AV	92.00	200	Horizontal	Pass
3	4971.471	50.11	74.0	23.89	Peak	191.00	200	Horizontal	Pass
3**	4971.471	40.45	54.0	13.55	AV	191.00	200	Horizontal	Pass
4	6986.090	52.90	74.0	21.11	Peak	226.00	400	Horizontal	Pass
4**	6986.090	44.16	54.0	9.84	AV	226.00	400	Horizontal	Pass
5	12459.205	51.87	74.0	22.13	Peak	32.00	200	Horizontal	Pass
5**	12459.205	40.12	54.0	13.88	AV	32.00	200	Horizontal	Pass
6	17086.321	55.22	74.0	18.78	Peak	135.00	200	Horizontal	Pass
6**	17086.321	42.37	54.0	11.63	AV	135.00	200	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	1330.630	41.44	74.0	32.56	Peak	141.00	300	Vertical	Pass
1**	1330.630	30.32	54.0	23.68	AV	141.00	300	Vertical	Pass
2	2076.760	51.50	74.0	22.50	Peak	197.00	300	Vertical	Pass
2**	2076.760	43.75	54.0	10.25	AV	197.00	300	Vertical	Pass
3	6802.479	52.19	74.0	21.81	Peak	168.00	200	Vertical	Pass
3**	6802.479	43.51	54.0	10.49	AV	168.00	200	Vertical	Pass
4	7965.605	56.83	74.0	17.17	Peak	250.00	300	Vertical	Pass
4**	7965.605	44.39	54.0	9.61	AV	250.00	300	Vertical	Pass
5	12462.220	49.37	74.0	24.63	Peak	283.00	400	Vertical	Pass
5**	12462.220	39.64	54.0	14.36	AV	283.00	400	Vertical	Pass
6	17108.317	51.74	74.0	22.26	Peak	209.00	200	Vertical	Pass
6**	17108.317	41.60	54.0	12.40	AV	209.00	200	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	1503.438	42.76	74.0	31.24	Peak	17.00	200	Horizontal	Pass
1**	1503.438	34.75	54.0	19.25	AV	17.00	200	Horizontal	Pass
2	2972.146	50.91	74.0	23.09	Peak	243.00	100	Horizontal	Pass
2**	2972.146	43.13	54.0	10.87	AV	243.00	100	Horizontal	Pass
3	4975.181	50.14	74.0	23.86	Peak	274.00	200	Horizontal	Pass
3**	4975.181	40.39	54.0	13.61	AV	274.00	200	Horizontal	Pass
4	6984.681	52.90	74.0	21.10	Peak	266.00	300	Horizontal	Pass
4**	6984.681	44.10	54.0	9.90	AV	266.00	300	Horizontal	Pass
5	12461.998	51.84	74.0	22.16	Peak	87.00	400	Horizontal	Pass
5**	12461.998	40.05	54.0	13.95	AV	87.00	400	Horizontal	Pass
6	17087.185	55.27	74.0	18.73	Peak	283.00	300	Horizontal	Pass
6**	17087.185	42.30	54.0	11.70	AV	283.00	300	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	1331.510	42.15	74.0	31.85	Peak	243.00	300	Vertical	Pass
1**	1331.510	30.57	54.0	23.43	AV	243.00	300	Vertical	Pass
2	2081.053	51.80	74.0	22.20	Peak	89.00	200	Vertical	Pass
2**	2081.053	43.19	54.0	10.81	AV	89.00	200	Vertical	Pass
3	6802.284	52.92	74.0	21.08	Peak	241.00	200	Vertical	Pass
3**	6802.284	43.13	54.0	10.88	AV	241.00	200	Vertical	Pass
4	7968.543	56.86	74.0	17.14	Peak	141.00	400	Vertical	Pass
4**	7968.543	45.38	54.0	8.62	AV	141.00	400	Vertical	Pass
5	12463.090	48.80	74.0	25.20	Peak	307.00	300	Vertical	Pass
5**	12463.090	38.92	54.0	15.08	AV	307.00	300	Vertical	Pass
6	17102.080	51.52	74.0	22.49	Peak	187.00	100	Vertical	Pass
6**	17102.080	41.99	54.0	12.02	AV	187.00	100	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	1500.736	42.72	74.0	31.28	Peak	49.00	300	Horizontal	Pass
1**	1500.736	34.74	54.0	19.26	AV	49.00	300	Horizontal	Pass
2	2969.524	50.91	74.0	23.09	Peak	76.00	200	Horizontal	Pass
2**	2969.524	43.14	54.0	10.86	AV	76.00	200	Horizontal	Pass
3	4969.203	50.11	74.0	23.89	Peak	31.00	200	Horizontal	Pass
3**	4969.203	40.42	54.0	13.58	AV	31.00	200	Horizontal	Pass
4	6986.810	52.92	74.0	21.08	Peak	286.00	100	Horizontal	Pass
4**	6986.810	44.08	54.0	9.92	AV	286.00	100	Horizontal	Pass
5	12459.461	51.78	74.0	22.22	Peak	341.00	200	Horizontal	Pass
5**	12459.461	40.14	54.0	13.86	AV	341.00	200	Horizontal	Pass
6	17087.739	55.26	74.0	18.74	Peak	12.00	200	Horizontal	Pass
6**	17087.739	42.37	54.0	11.63	AV	12.00	200	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	1332.149	43.00	74.0	31.00	Peak	263.00	300	Vertical	Pass
1**	1332.149	32.22	54.0	21.78	AV	263.00	300	Vertical	Pass
2	2083.407	52.04	74.0	21.96	Peak	88.00	400	Vertical	Pass
2**	2083.407	44.01	54.0	9.99	AV	88.00	400	Vertical	Pass
3	6804.939	53.23	74.0	20.77	Peak	176.00	200	Vertical	Pass
3**	6804.939	44.52	54.0	9.48	AV	176.00	200	Vertical	Pass
4	7966.144	57.35	74.0	16.65	Peak	181.00	400	Vertical	Pass
4**	7966.144	45.20	54.0	8.80	AV	181.00	400	Vertical	Pass
5	12463.161	50.18	74.0	23.82	Peak	308.00	300	Vertical	Pass
5**	12463.161	40.35	54.0	13.65	AV	308.00	300	Vertical	Pass
6	17108.770	53.19	74.0	20.81	Peak	302.00	300	Vertical	Pass
6**	17108.770	43.14	54.0	10.86	AV	302.00	300	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	1504.779	41.94	74.0	32.06	Peak	297.00	400	Horizontal	Pass
1**	1504.779	33.30	54.0	20.70	AV	297.00	400	Horizontal	Pass
2	2970.745	49.66	74.0	24.34	Peak	282.00	400	Horizontal	Pass
2**	2970.745	42.20	54.0	11.80	AV	282.00	400	Horizontal	Pass
3	4972.253	49.15	74.0	24.85	Peak	100.00	200	Horizontal	Pass
3**	4972.253	39.52	54.0	14.48	AV	100.00	200	Horizontal	Pass
4	6981.805	51.40	74.0	22.60	Peak	31.00	400	Horizontal	Pass
4**	6981.805	43.08	54.0	10.92	AV	31.00	400	Horizontal	Pass
5	12461.367	51.31	74.0	22.69	Peak	309.00	300	Horizontal	Pass
5**	12461.367	38.53	54.0	15.47	AV	309.00	300	Horizontal	Pass
6	17084.848	54.34	74.0	19.66	Peak	3.00	100	Horizontal	Pass
6**	17084.848	41.44	54.0	12.56	AV	3.00	100	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	1332.990	42.53	74.0	31.47	Peak	323.00	400	Vertical	Pass
1**	1332.990	31.13	54.0	22.87	AV	323.00	400	Vertical	Pass
2	2081.615	51.50	74.0	22.50	Peak	140.00	400	Vertical	Pass
2**	2081.615	43.51	54.0	10.49	AV	140.00	400	Vertical	Pass
3	6804.407	52.24	74.0	21.76	Peak	272.00	200	Vertical	Pass
3**	6804.407	43.24	54.0	10.76	AV	272.00	200	Vertical	Pass
4	7963.769	57.72	74.0	16.28	Peak	96.00	100	Vertical	Pass
4**	7963.769	45.10	54.0	8.90	AV	96.00	100	Vertical	Pass
5	12467.177	49.49	74.0	24.51	Peak	242.00	200	Vertical	Pass
5**	12467.177	39.90	54.0	14.10	AV	242.00	200	Vertical	Pass
6	17108.228	52.34	74.0	21.66	Peak	130.00	400	Vertical	Pass
6**	17108.228	41.99	54.0	12.01	AV	130.00	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	1501.560	42.75	74.0	31.25	Peak	47.00	400	Horizontal	Pass
1**	1501.560	34.60	54.0	19.40	AV	47.00	400	Horizontal	Pass
2	2971.804	50.79	74.0	23.21	Peak	110.00	200	Horizontal	Pass
2**	2971.804	42.90	54.0	11.10	AV	110.00	200	Horizontal	Pass
3	4972.808	49.17	74.0	24.83	Peak	281.00	200	Horizontal	Pass
3**	4972.808	39.88	54.0	14.12	AV	281.00	200	Horizontal	Pass
4	6988.308	52.83	74.0	21.17	Peak	76.00	300	Horizontal	Pass
4**	6988.308	43.93	54.0	10.07	AV	76.00	300	Horizontal	Pass
5	12460.184	50.95	74.0	23.05	Peak	281.00	300	Horizontal	Pass
5**	12460.184	39.69	54.0	14.31	AV	281.00	300	Horizontal	Pass
6	17086.412	55.16	74.0	18.84	Peak	268.00	100	Horizontal	Pass
6**	17086.412	41.73	54.0	12.27	AV	268.00	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	1334.278	42.98	74.0	31.02	Peak	158.00	100	Vertical	Pass
1**	1334.278	31.95	54.0	22.05	AV	158.00	100	Vertical	Pass
2	2083.861	52.79	74.0	21.21	Peak	9.00	300	Vertical	Pass
2**	2083.861	43.91	54.0	10.09	AV	9.00	300	Vertical	Pass
3	6805.779	52.88	74.0	21.12	Peak	4.00	200	Vertical	Pass
3**	6805.779	44.50	54.0	9.50	AV	4.00	200	Vertical	Pass
4	7964.356	58.06	74.0	15.94	Peak	65.00	400	Vertical	Pass
4**	7964.356	45.32	54.0	8.68	AV	65.00	400	Vertical	Pass
5	12468.696	49.92	74.0	24.08	Peak	171.00	400	Vertical	Pass
5**	12468.696	40.34	54.0	13.66	AV	171.00	400	Vertical	Pass
6	17108.720	52.98	74.0	21.02	Peak	249.00	300	Vertical	Pass
6**	17108.720	43.04	54.0	10.96	AV	249.00	300	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-Antenna L

802.11b LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2384.390	58.76	74.0	15.24	Peak	295.00	200	Horizontal	Pass
1**	2384.390	48.40	54.0	5.60	AV	295.00	200	Horizontal	Pass
2	2390.000	55.45	74.0	18.55	Peak	156.00	300	Horizontal	Pass
2**	2390.000	45.93	54.0	8.07	AV	156.00	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	56.44	74.0	17.56	Peak	266.00	200	Horizontal	Pass
1**	2483.500	46.21	54.0	7.79	AV	266.00	200	Horizontal	Pass
2	2488.931	58.40	74.0	15.60	Peak	205.00	100	Horizontal	Pass
2**	2488.931	46.60	54.0	7.40	AV	205.00	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	2386.048	58.56	74.0	15.44	Peak	262.00	100	Horizontal	Pass
1**	2386.048	48.42	54.0	5.58	AV	262.00	100	Horizontal	Pass
2	2390.000	56.03	74.0	17.97	Peak	223.00	100	Horizontal	Pass
2**	2390.000	46.03	54.0	7.97	AV	223.00	100	Horizontal	Pass

802.11g HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.98	74.0	18.02	Peak	119.00	300	Horizontal	Pass
1**	2483.500	46.23	54.0	7.77	AV	119.00	300	Horizontal	Pass
2	2488.955	58.29	74.0	15.71	Peak	253.00	200	Horizontal	Pass
2**	2488.955	46.30	54.0	7.70	AV	253.00	200	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	2383.468	58.31	74.0	15.69	Peak	204.00	200	Horizontal	Pass
1**	2383.468	48.00	54.0	6.00	AV	204.00	200	Horizontal	Pass
2	2390.000	56.20	74.0	17.80	Peak	275.00	300	Horizontal	Pass
2**	2390.000	45.81	54.0	8.19	AV	275.00	300	Horizontal	Pass

802.11n20 HIGH CHANNEL

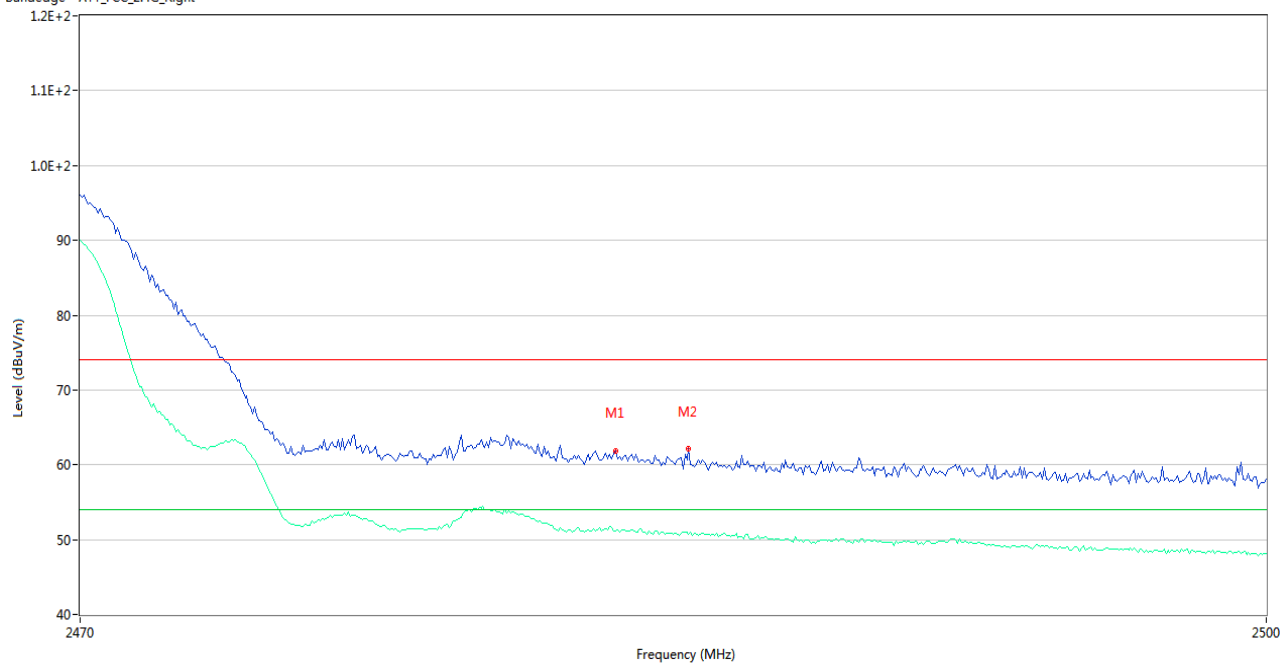
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.86	74.0	18.14	Peak	36.00	200	Horizontal	Pass
1**	2483.500	47.09	54.0	6.91	AV	36.00	200	Horizontal	Pass
2	2487.459	58.66	74.0	15.34	Peak	336.00	200	Horizontal	Pass
2**	2487.459	46.66	54.0	7.34	AV	336.00	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	2383.561	59.08	74.0	14.92	Peak	263.00	100	Horizontal	Pass
1**	2383.561	48.33	54.0	5.67	AV	263.00	100	Horizontal	Pass
2	2390.000	55.33	74.0	18.67	Peak	129.00	300	Horizontal	Pass
2**	2390.000	45.74	54.0	8.26	AV	129.00	300	Horizontal	Pass

802.11n40 HIGH CHANNEL

Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	61.92	74.0	12.08	Peak	78.00	100	Vertical	Pass
1**	2483.500	50.95	54.0	3.05	AV	78.00	100	Vertical	Pass
2	2485.350	62.09	74.0	11.91	Peak	78.00	200	Vertical	Pass
2**	2485.350	50.65	54.0	3.35	AV	78.00	200	Vertical	Pass

A.8 Power Spectral Density (PSD)

Test Data

SISO-Antenna L

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.55	8
Middle	-11.95	8
High	-13.01	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.12	8
Middle	-14.36	8
High	-13.68	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.50	8
Middle	-14.36	8
High	-13.84	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.67	8
Middle	-16.06	8
High	-15.86	8

SISO-Antenna R

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.24	8
Middle	-11.77	8
High	-11.32	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.62	8
Middle	-13.09	8
High	-12.81	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.95	8
Middle	-13.64	8
High	-12.99	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.91	8
Middle	-16.28	8
High	-16.39	8

MIMO

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.30	5.35
Middle	-8.85	5.35
High	-9.07	5.35

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.80	5.35
Middle	-10.67	5.35
High	-10.21	5.35

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-9.54	8
Middle	-10.98	8
High	-10.38	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.26	8
Middle	-13.16	8
High	-13.11	8

Test Plots

SISO-Antenna L

802.11b LOW CHANNEL



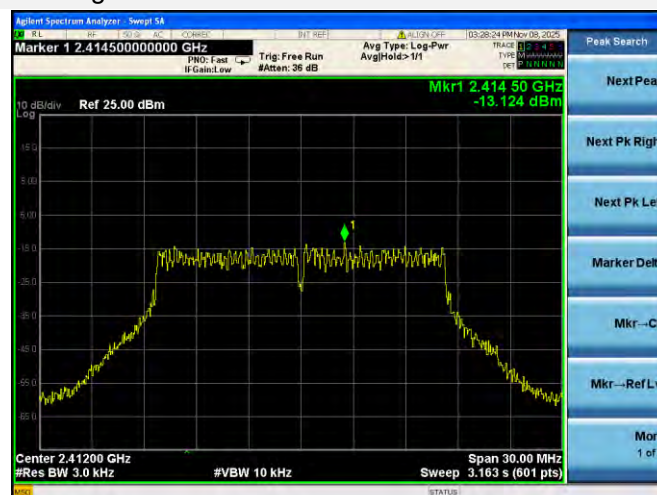
802.11b MIDDLE CHANNEL



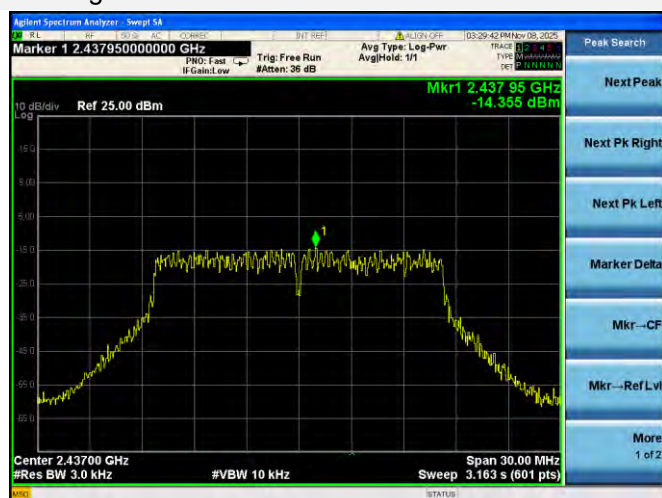
802.11b HIGH CHANNEL



802.11g LOW CHANNEL



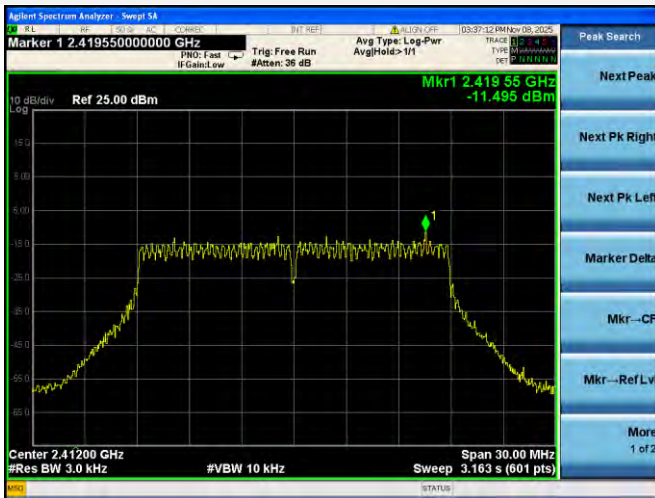
802.11g MIDDLE CHANNEL



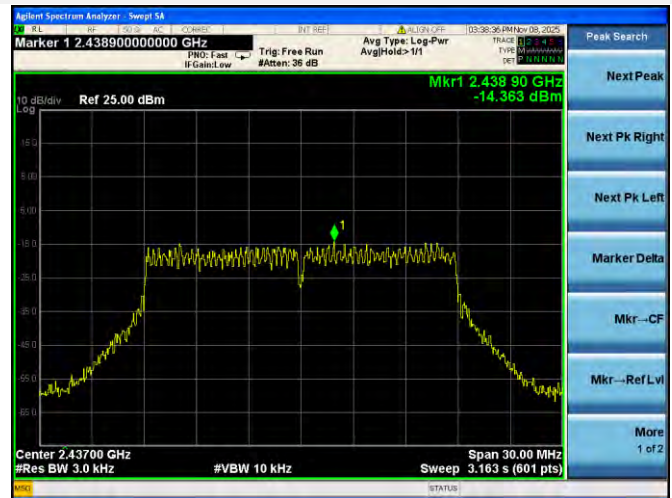
802.11g HIGH CHANNEL



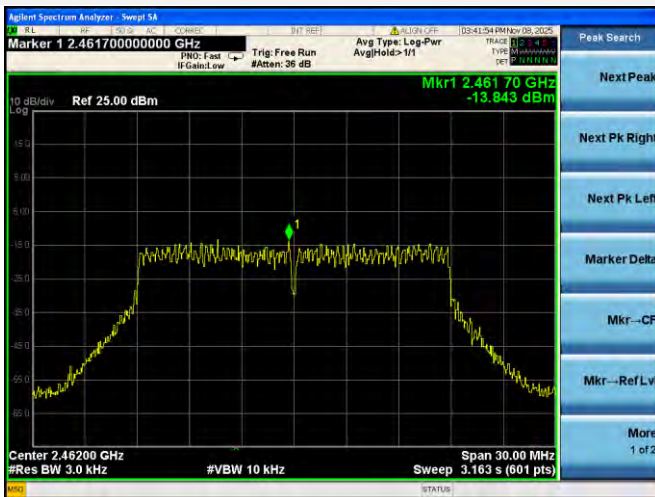
802.11n-20 MHz LOW CHANNEL



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



SISO-Antenna R

802.11b LOW CHANNEL



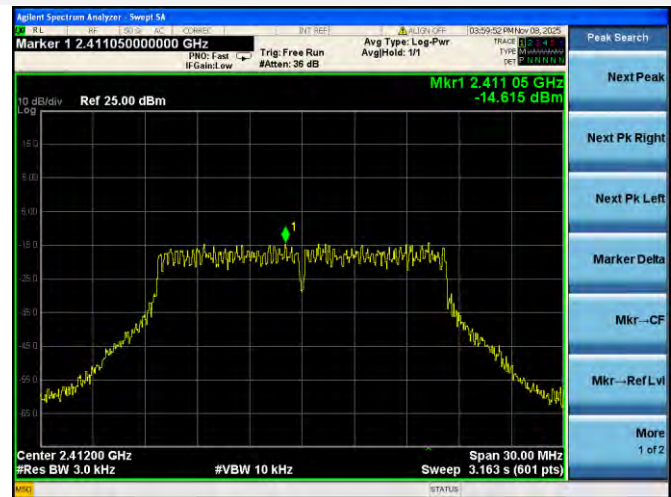
802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



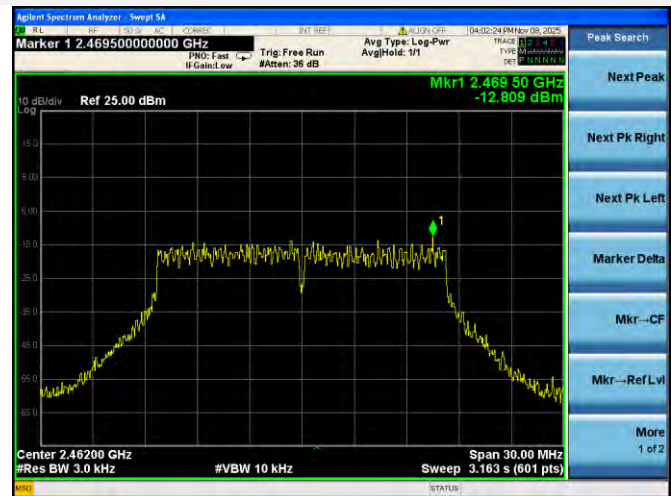
802.11g LOW CHANNEL



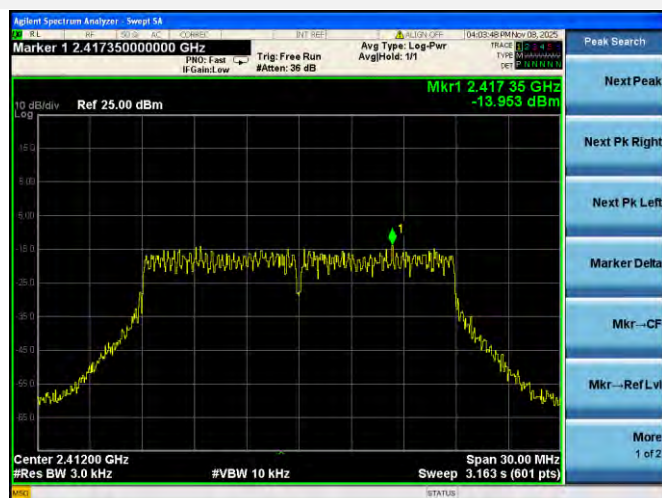
802.11g MIDDLE CHANNEL



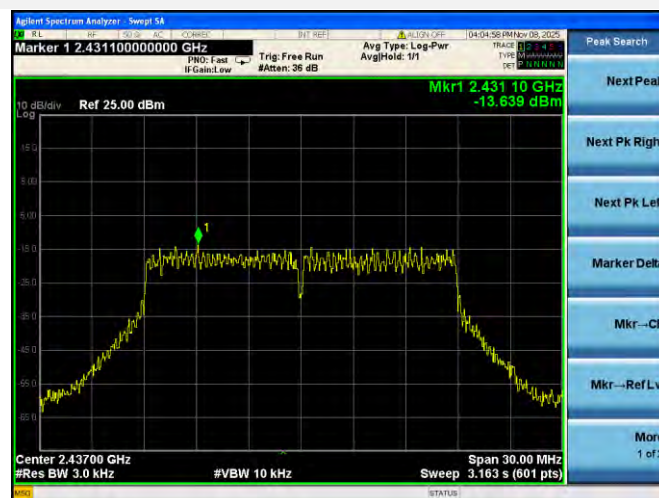
802.11g HIGH CHANNEL



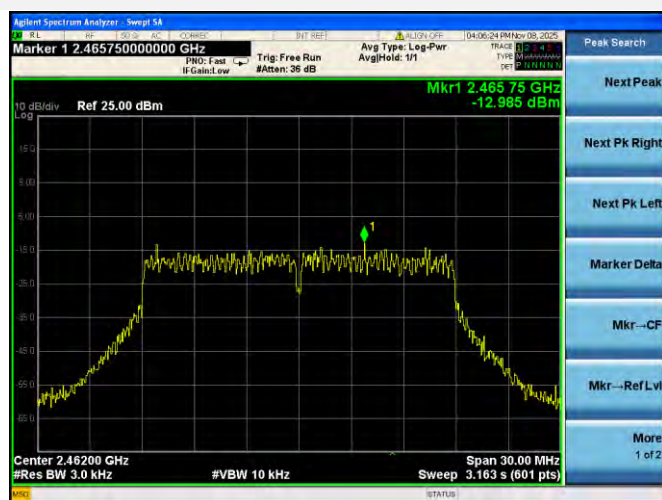
802.11n-20 MHz LOW CHANNEL



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



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2590142-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2590142-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2590142-AI.PDF”.

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