

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.

Test Data

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-42.61	6.97	-13.03	Pass
High Channel	-48.13	7.05	-12.95	Pass

802.11g Mode:

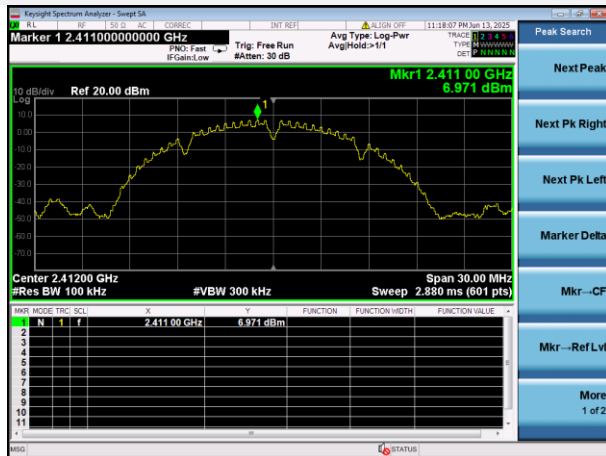
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-22.62	4.03	-15.98	Pass
High Channel	-48.31	3.99	-16.01	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-24.38	4.21	-15.80	Pass
High Channel	-46.28	2.80	-17.20	Pass

Test Plots

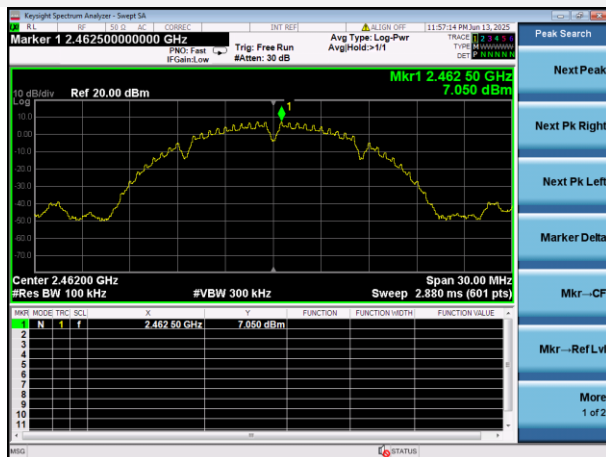
802.11b LOW CHANNEL, CARRIER LEVEL



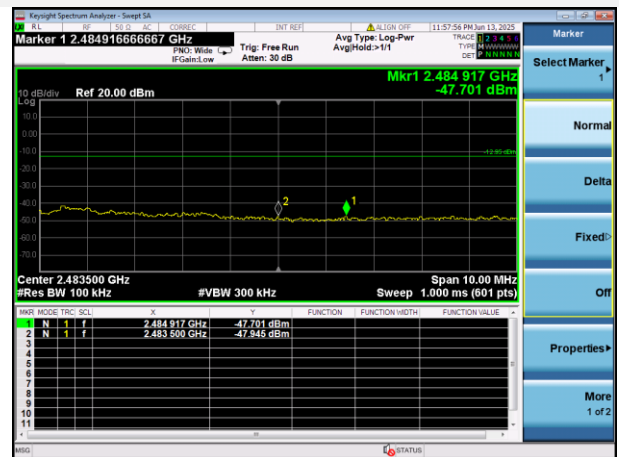
802.11b LOW CHANNEL, BAND EDGE



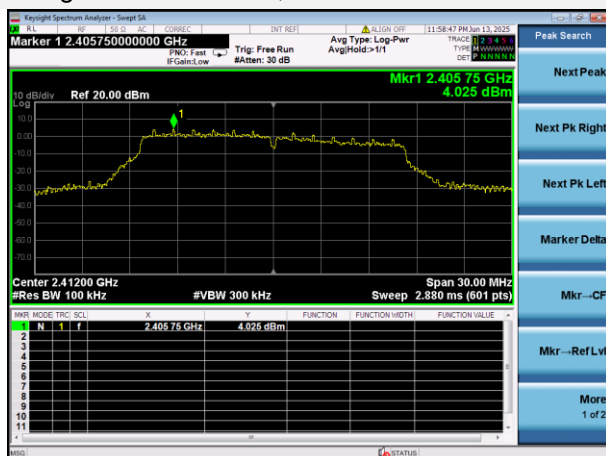
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



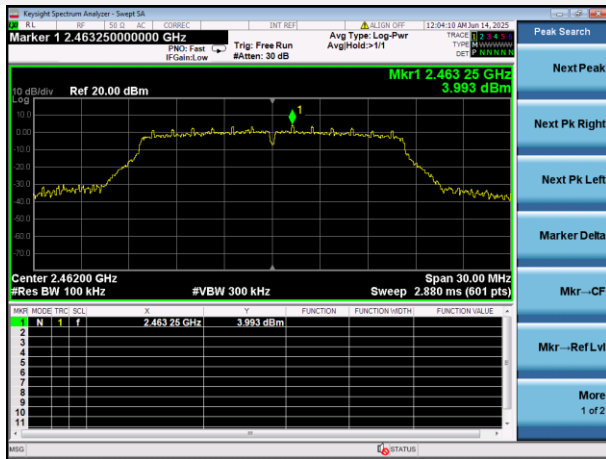
802.11g LOW CHANNEL, CARRIER LEVEL



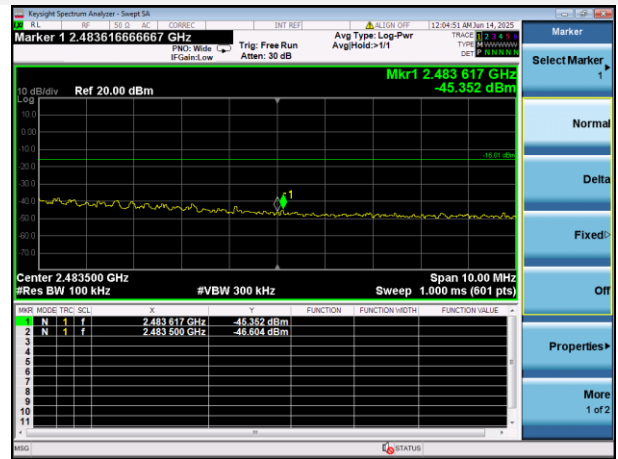
802.11g LOW CHANNEL, BAND EDGE



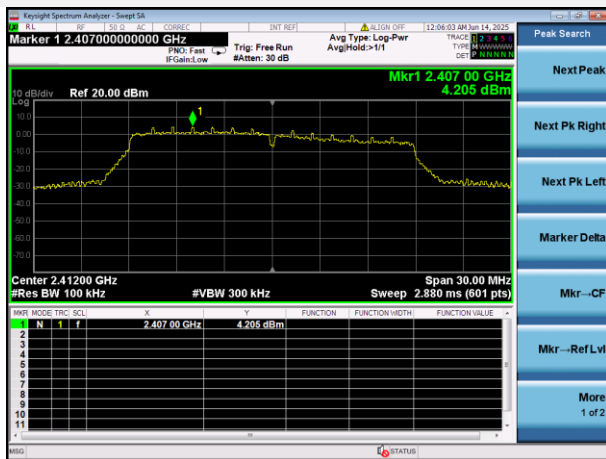
802.11g HIGH CHANNEL, CARRIER LEVEL



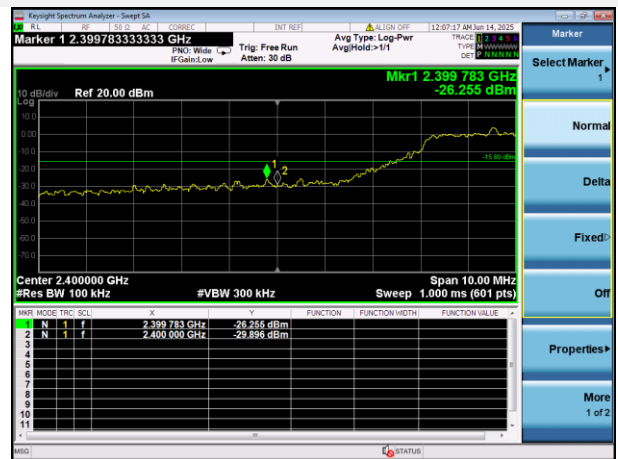
802.11g HIGH CHANNEL, BAND EDGE



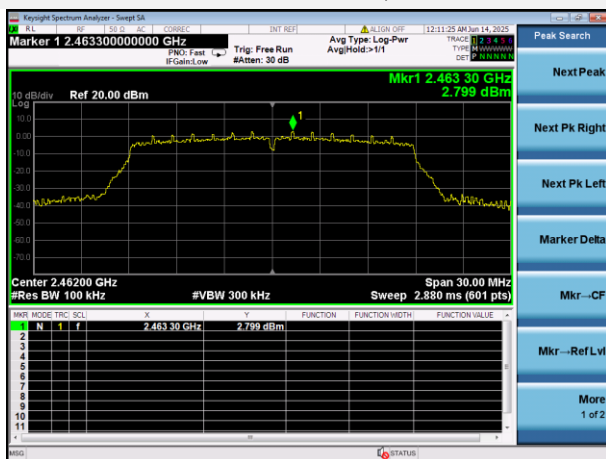
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



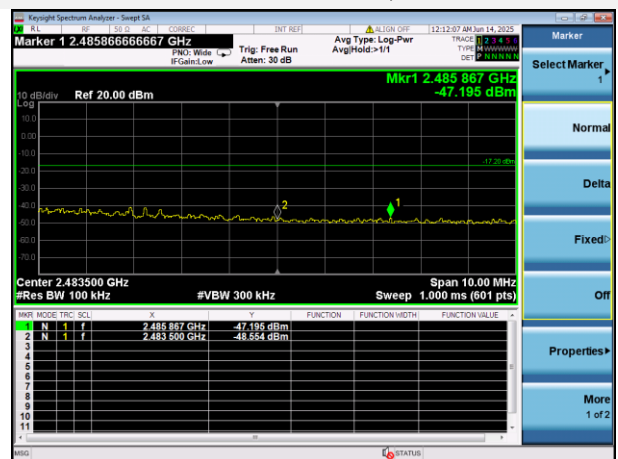
802.11n-20 MHz LOW CHANNEL, BAND EDGE



802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

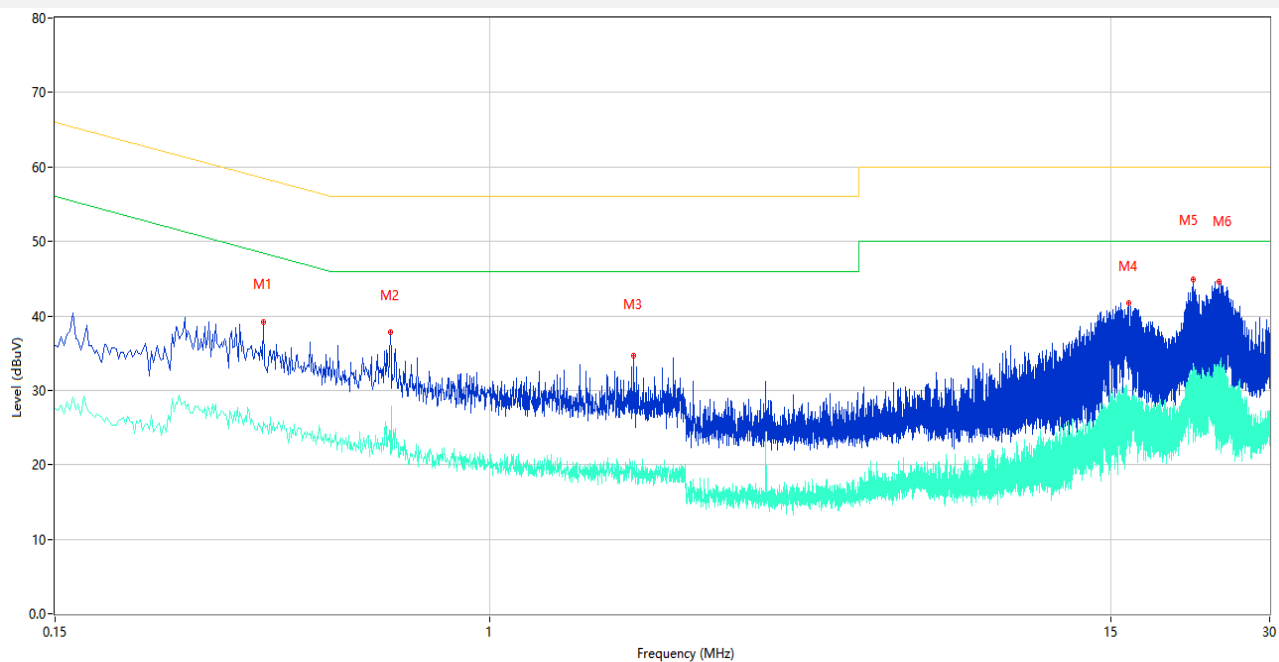
Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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)

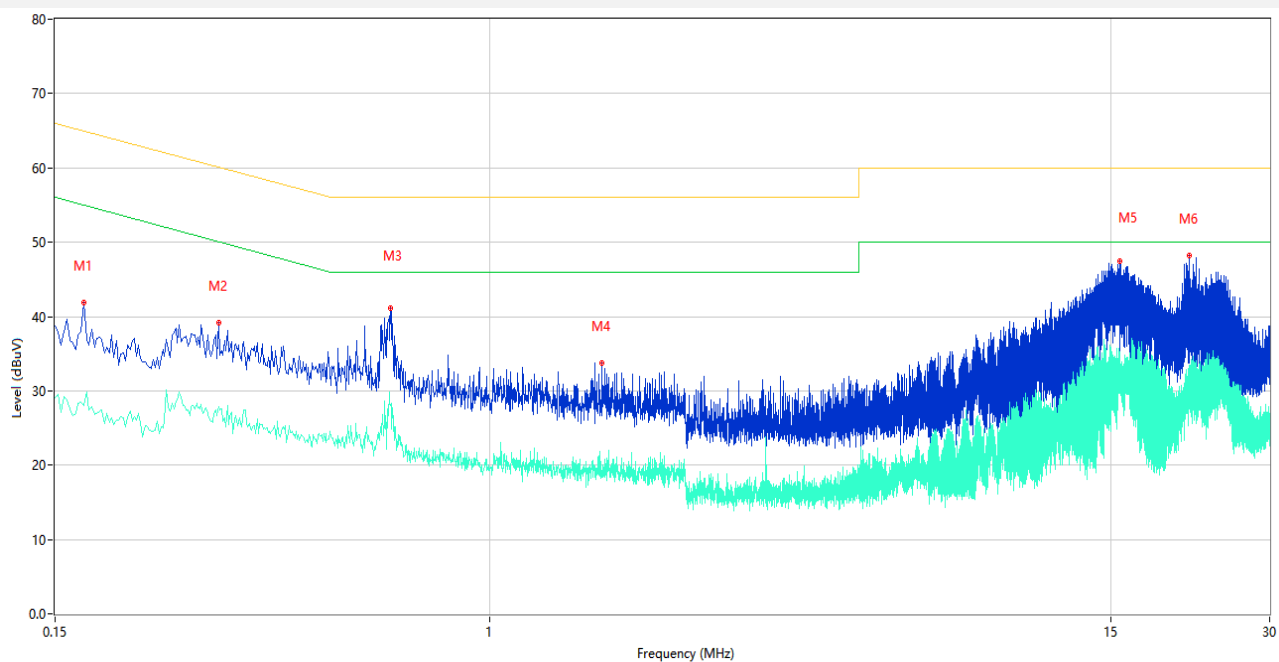
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.372	39.10	10.24	58.46	19.36	Peak	L	Pass
1**	0.372	25.76	10.24	48.46	22.70	AV	L	Pass
2	0.648	37.78	10.26	56.00	18.22	Peak	L	Pass
2**	0.648	21.46	10.26	46.00	24.54	AV	L	Pass
3	1.874	34.60	10.38	56.00	21.40	Peak	L	Pass
3**	1.874	19.31	10.38	46.00	26.69	AV	L	Pass
4	16.210	41.69	13.30	60.00	18.31	Peak	L	Pass
4**	16.210	27.32	13.30	50.00	22.68	AV	L	Pass
5	21.530	44.89	14.61	60.00	15.11	Peak	L	Pass
5**	21.530	33.33	14.61	50.00	16.67	AV	L	Pass
6	24.020	44.61	15.11	60.00	15.39	Peak	L	Pass
6**	24.020	33.03	15.11	50.00	16.97	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.170	41.82	10.17	64.96	23.14	Peak	N	Pass
1**	0.170	27.95	10.17	54.96	27.01	AV	N	Pass
2	0.306	39.19	10.16	60.08	20.89	Peak	N	Pass
2**	0.306	27.86	10.16	50.08	22.22	AV	N	Pass
3	0.648	41.11	10.18	56.00	14.89	Peak	N	Pass
3**	0.648	28.01	10.18	46.00	17.99	AV	N	Pass
4	1.632	33.72	10.27	56.00	22.28	Peak	N	Pass
4**	1.632	18.73	10.27	46.00	27.27	AV	N	Pass
5	15.624	47.48	13.12	60.00	12.52	Peak	N	Pass
5**	15.624	32.99	13.12	50.00	17.01	AV	N	Pass
6	21.162	48.17	14.58	60.00	11.83	Peak	N	Pass
6**	21.162	32.00	14.58	50.00	18.00	AV	N	Pass

A.6 Radiated Emission

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

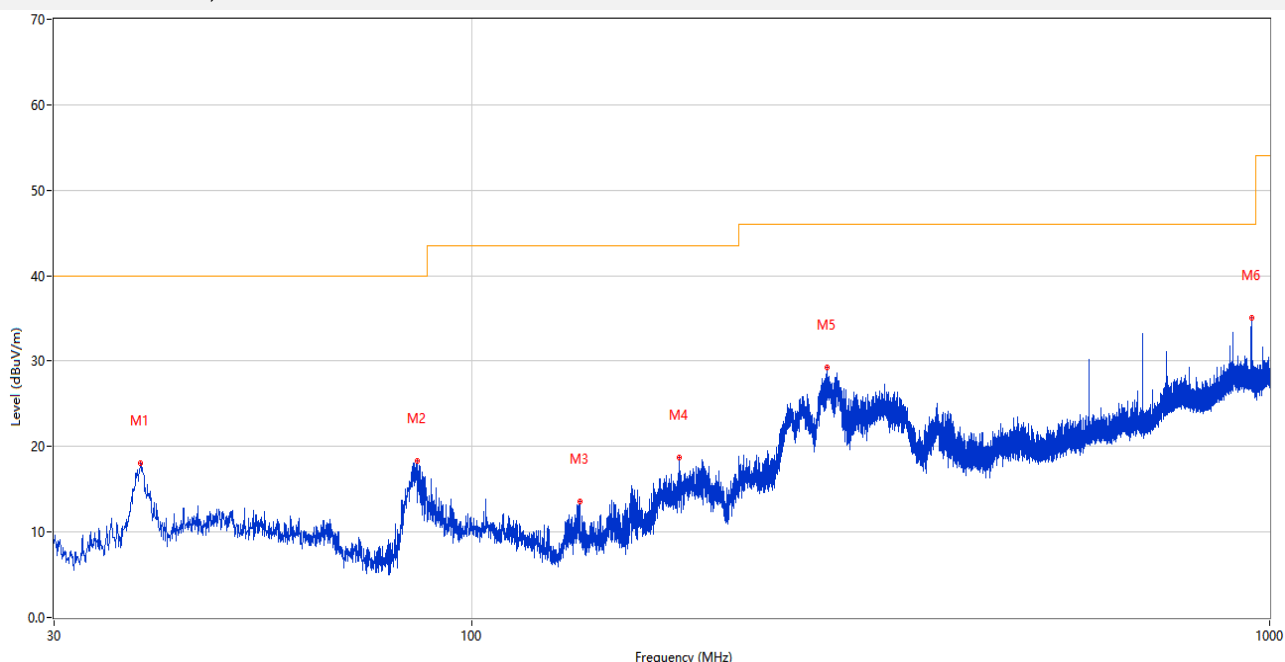
Note²: For the test data above 1 GHz, According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

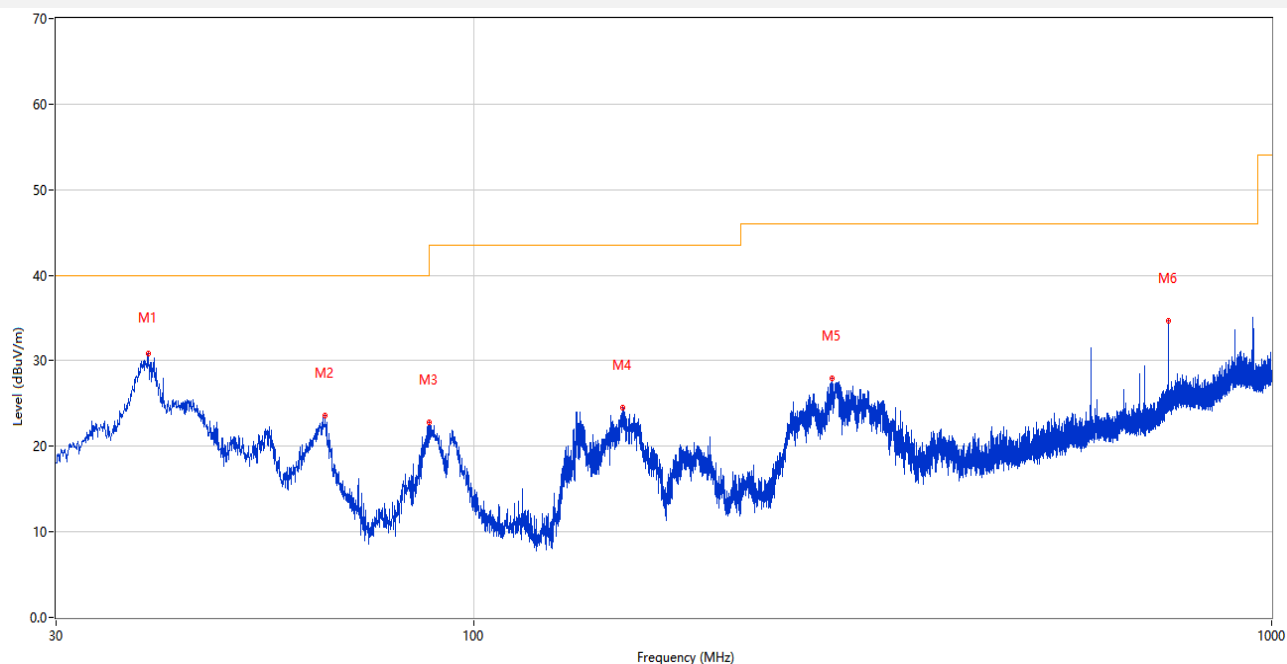
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.536	18.11	-26.95	40.0	21.89	Peak	360.00	200	Horizontal	Pass
2	85.581	18.30	-29.92	40.0	21.70	Peak	127.00	200	Horizontal	Pass
3	136.846	13.54	-29.73	43.5	29.96	Peak	281.00	200	Horizontal	Pass
4	182.290	18.77	-27.66	43.5	24.73	Peak	54.00	200	Horizontal	Pass
5	278.659	29.21	-23.95	46.0	16.79	Peak	134.00	100	Horizontal	Pass
6	948.445	35.10	-8.88	46.0	10.90	Peak	319.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	39.118	30.81	-26.78	40.0	9.19	Peak	229.00	100	Vertical	Pass
2	65.162	23.56	-27.38	40.0	16.44	Peak	320.00	100	Vertical	Pass
3	88.054	22.82	-29.02	43.5	20.68	Peak	49.00	100	Vertical	Pass
4	153.917	24.53	-29.48	43.5	18.97	Peak	68.00	100	Vertical	Pass
5	281.618	27.96	-23.75	46.0	18.04	Peak	100.00	100	Vertical	Pass
6	742.513	34.64	-11.99	46.0	11.36	Peak	167.00	200	Vertical	Pass

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

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.200	43.55	74.0	30.45	Peak	115.00	200	Horizontal	Pass
1**	1485.200	35.58	54.0	18.42	AV	115.00	200	Horizontal	Pass
2	2411.900	106.84	74.0	-32.84	Peak	11.00	200	Horizontal	N/A
2**	2411.900	102.78	54.0	-48.78	AV	11.00	200	Horizontal	N/A
3	4824.250	53.14	74.0	20.86	Peak	16.00	100	Horizontal	Pass
3**	4824.250	49.77	54.0	4.23	AV	16.00	100	Horizontal	Pass
4	7897.750	53.30	74.0	20.70	Peak	91.00	100	Horizontal	Pass
4**	7897.750	44.44	54.0	9.56	AV	91.00	100	Horizontal	Pass
5	12972.338	53.22	74.0	20.78	Peak	237.00	300	Horizontal	Pass
5**	12972.338	44.46	54.0	9.54	AV	237.00	300	Horizontal	Pass
6	17021.137	56.08	74.0	17.92	Peak	89.00	200	Horizontal	Pass
6**	17021.137	45.42	54.0	8.58	AV	89.00	200	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	1484.800	42.97	74.0	31.03	Peak	165.00	200	Vertical	Pass
1**	1484.800	37.47	54.0	16.53	AV	165.00	200	Vertical	Pass
2	2410.900	94.81	74.0	-20.81	Peak	126.00	100	Vertical	N/A
2**	2410.900	91.91	54.0	-37.91	AV	126.00	100	Vertical	N/A
3	4824.500	51.05	74.0	22.95	Peak	52.00	100	Vertical	Pass
3**	4824.500	46.31	54.0	7.69	AV	52.00	100	Vertical	Pass
4	7961.500	53.91	74.0	20.09	Peak	219.00	200	Vertical	Pass
4**	7961.500	44.13	54.0	9.87	AV	219.00	200	Vertical	Pass
5	12553.825	52.89	74.0	21.11	Peak	56.00	400	Vertical	Pass
5**	12553.825	42.83	54.0	11.17	AV	56.00	400	Vertical	Pass
6	14446.800	55.28	74.0	18.72	Peak	302.00	300	Vertical	Pass
6**	14446.800	46.75	54.0	7.25	AV	302.00	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	1300.400	43.16	74.0	30.84	Peak	308.00	400	Horizontal	Pass
1**	1300.400	36.99	54.0	17.01	AV	308.00	400	Horizontal	Pass
2	2435.900	106.72	74.0	-32.72	Peak	0.00	150	Horizontal	N/A
2**	2435.900	103.86	54.0	-49.86	AV	0.00	150	Horizontal	N/A
3	4874.250	51.00	74.0	23.00	Peak	50.00	100	Horizontal	Pass
3**	4874.250	46.84	54.0	7.16	AV	50.00	100	Horizontal	Pass
4	6973.250	53.52	74.0	20.48	Peak	321.00	100	Horizontal	Pass
4**	6973.250	43.94	54.0	10.06	AV	321.00	100	Horizontal	Pass
5	12456.450	53.19	74.0	20.81	Peak	256.00	300	Horizontal	Pass
5**	12456.450	43.78	54.0	10.22	AV	256.00	300	Horizontal	Pass
6	14411.362	55.10	74.0	18.90	Peak	18.00	300	Horizontal	Pass
6**	14411.362	45.24	54.0	8.76	AV	18.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1300.300	42.95	74.0	31.05	Peak	40.00	200	Vertical	Pass
1**	1300.300	36.09	54.0	17.91	AV	40.00	200	Vertical	Pass
2	2435.900	93.88	74.0	-19.88	Peak	84.00	100	Vertical	N/A
2**	2435.900	90.92	54.0	-36.92	AV	84.00	100	Vertical	N/A
3	4874.250	49.43	74.0	24.57	Peak	353.00	100	Vertical	Pass
3**	4874.250	43.68	54.0	10.32	AV	353.00	100	Vertical	Pass
4	7608.000	53.52	74.0	20.48	Peak	292.00	400	Vertical	Pass
4**	7608.000	44.80	54.0	9.20	AV	292.00	400	Vertical	Pass
5	12997.800	53.62	74.0	20.38	Peak	290.00	100	Vertical	Pass
5**	12997.800	44.61	54.0	9.39	AV	290.00	100	Vertical	Pass
6	17127.450	55.19	74.0	18.81	Peak	238.00	400	Vertical	Pass
6**	17127.450	46.32	54.0	7.68	AV	238.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1299.900	43.66	74.0	30.34	Peak	96.00	100	Horizontal	Pass
1**	1299.900	37.03	54.0	16.97	AV	96.00	100	Horizontal	Pass
2	2463.500	100.27	74.0	-26.27	Peak	12.00	200	Horizontal	N/A
2**	2463.500	97.51	54.0	-43.51	AV	12.00	200	Horizontal	N/A
3	4835.500	49.82	74.0	24.18	Peak	16.00	100	Horizontal	Pass
3**	4835.500	40.39	54.0	13.61	AV	16.00	100	Horizontal	Pass
4	7959.750	53.75	74.0	20.25	Peak	360.00	300	Horizontal	Pass
4**	7959.750	44.48	54.0	9.52	AV	360.00	300	Horizontal	Pass
5	12532.450	53.04	74.0	20.96	Peak	159.00	300	Horizontal	Pass
5**	12532.450	43.29	54.0	10.71	AV	159.00	300	Horizontal	Pass
6	17334.036	55.57	74.0	18.43	Peak	340.00	400	Horizontal	Pass
6**	17334.036	44.13	54.0	9.87	AV	340.00	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	1301.100	45.35	74.0	28.65	Peak	125.00	300	Vertical	Pass
1**	1301.100	37.41	54.0	16.59	AV	125.00	300	Vertical	Pass
2	2463.300	86.69	74.0	-12.69	Peak	215.00	100	Vertical	N/A
2**	2463.300	83.78	54.0	-29.78	AV	215.00	100	Vertical	N/A
3	4806.000	49.92	74.0	24.08	Peak	93.00	100	Vertical	Pass
3**	4806.000	39.86	54.0	14.14	AV	93.00	100	Vertical	Pass
4	7926.750	53.27	74.0	20.73	Peak	360.00	300	Vertical	Pass
4**	7926.750	44.35	54.0	9.65	AV	360.00	300	Vertical	Pass
5	12971.288	53.41	74.0	20.59	Peak	181.00	100	Vertical	Pass
5**	12971.288	43.73	54.0	10.27	AV	181.00	100	Vertical	Pass
6	16855.239	55.45	74.0	18.55	Peak	81.00	100	Vertical	Pass
6**	16855.239	46.05	54.0	7.95	AV	81.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1299.900	44.44	74.0	29.56	Peak	99.00	400	Horizontal	Pass
1**	1299.900	38.71	54.0	15.29	AV	99.00	400	Horizontal	Pass
2	2413.800	110.16	74.0	-36.16	Peak	16.00	150	Horizontal	N/A
2**	2413.800	103.16	54.0	-49.16	AV	16.00	150	Horizontal	N/A
3	4831.500	49.56	74.0	24.44	Peak	18.00	150	Horizontal	Pass
3**	4831.500	41.47	54.0	12.53	AV	18.00	150	Horizontal	Pass
4	7964.500	53.63	74.0	20.37	Peak	360.00	200	Horizontal	Pass
4**	7964.500	45.59	54.0	8.41	AV	360.00	200	Horizontal	Pass
5	12971.025	53.18	74.0	20.82	Peak	81.00	300	Horizontal	Pass
5**	12971.025	44.22	54.0	9.78	AV	81.00	300	Horizontal	Pass
6	14455.463	55.52	74.0	18.48	Peak	360.00	400	Horizontal	Pass
6**	14455.463	46.10	54.0	7.90	AV	360.00	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	1484.800	42.67	74.0	31.33	Peak	103.00	300	Vertical	Pass
1**	1484.800	36.05	54.0	17.95	AV	103.00	300	Vertical	Pass
2	2410.600	98.90	74.0	-24.90	Peak	122.00	100	Vertical	N/A
2**	2410.600	90.85	54.0	-36.85	AV	122.00	100	Vertical	N/A
3	4817.250	49.36	74.0	24.64	Peak	302.00	100	Vertical	Pass
3**	4817.250	40.97	54.0	13.03	AV	302.00	100	Vertical	Pass
4	7964.750	53.58	74.0	20.42	Peak	302.00	200	Vertical	Pass
4**	7964.750	44.47	54.0	9.53	AV	302.00	200	Vertical	Pass
5	12518.200	53.26	74.0	20.74	Peak	21.00	300	Vertical	Pass
5**	12518.200	44.04	54.0	9.96	AV	21.00	300	Vertical	Pass
6	16987.801	55.21	74.0	18.79	Peak	360.00	100	Vertical	Pass
6**	16987.801	46.61	54.0	7.39	AV	360.00	100	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	1300.000	44.10	74.0	29.90	Peak	94.00	200	Horizontal	Pass
1**	1300.000	38.29	54.0	15.71	AV	94.00	200	Horizontal	Pass
2	2435.700	109.64	74.0	-35.64	Peak	1.00	200	Horizontal	N/A
2**	2435.700	101.85	54.0	-47.85	AV	1.00	200	Horizontal	N/A
3	4871.000	50.46	74.0	23.54	Peak	360.00	200	Horizontal	Pass
3**	4871.000	41.43	54.0	12.57	AV	360.00	200	Horizontal	Pass
4	7933.750	53.63	74.0	20.37	Peak	280.00	100	Horizontal	Pass
4**	7933.750	44.46	54.0	9.54	AV	280.00	100	Horizontal	Pass
5	12480.675	53.00	74.0	21.00	Peak	360.00	300	Horizontal	Pass
5**	12480.675	44.73	54.0	9.27	AV	360.00	300	Horizontal	Pass
6	17413.839	55.79	74.0	18.21	Peak	324.00	400	Horizontal	Pass
6**	17413.839	46.09	54.0	7.91	AV	324.00	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	1300.200	43.45	74.0	30.55	Peak	28.00	200	Vertical	Pass
1**	1300.200	38.13	54.0	15.87	AV	28.00	200	Vertical	Pass
2	2435.000	97.70	74.0	-23.70	Peak	84.00	150	Vertical	N/A
2**	2435.000	90.36	54.0	-36.36	AV	84.00	150	Vertical	N/A
3	4869.750	51.04	74.0	22.96	Peak	360.00	100	Vertical	Pass
3**	4869.750	40.35	54.0	13.65	AV	360.00	100	Vertical	Pass
4	7931.250	53.69	74.0	20.31	Peak	52.00	300	Vertical	Pass
4**	7931.250	44.93	54.0	9.07	AV	52.00	300	Vertical	Pass
5	12972.862	53.06	74.0	20.94	Peak	360.00	400	Vertical	Pass
5**	12972.862	44.00	54.0	10.00	AV	360.00	400	Vertical	Pass
6	14433.412	54.88	74.0	19.12	Peak	347.00	300	Vertical	Pass
6**	14433.412	45.71	54.0	8.29	AV	347.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1465.000	42.17	74.0	31.83	Peak	343.00	300	Horizontal	Pass
1**	1465.000	32.71	54.0	21.29	AV	343.00	300	Horizontal	Pass
2	2457.500	107.06	74.0	-33.06	Peak	25.00	100	Horizontal	N/A
2**	2457.500	99.11	54.0	-45.11	AV	25.00	100	Horizontal	N/A
3	4920.750	50.18	74.0	23.82	Peak	167.00	150	Horizontal	Pass
3**	4920.750	40.95	54.0	13.05	AV	167.00	150	Horizontal	Pass
4	7929.750	53.55	74.0	20.45	Peak	245.00	100	Horizontal	Pass
4**	7929.750	45.30	54.0	8.70	AV	245.00	100	Horizontal	Pass
5	12998.062	54.13	74.0	19.87	Peak	298.00	100	Horizontal	Pass
5**	12998.062	43.18	54.0	10.82	AV	298.00	100	Horizontal	Pass
6	17109.338	55.20	74.0	18.80	Peak	336.00	200	Horizontal	Pass
6**	17109.338	45.23	54.0	8.77	AV	336.00	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	1515.600	42.72	74.0	31.28	Peak	278.00	400	Vertical	Pass
1**	1515.600	32.90	54.0	21.10	AV	278.00	400	Vertical	Pass
2	2458.200	91.00	74.0	-17.00	Peak	278.00	100	Vertical	N/A
2**	2458.200	83.40	54.0	-29.40	AV	278.00	100	Vertical	N/A
3	4890.750	49.61	74.0	24.39	Peak	245.00	100	Vertical	Pass
3**	4890.750	40.60	54.0	13.40	AV	245.00	100	Vertical	Pass
4	6894.000	54.05	74.0	19.95	Peak	360.00	400	Vertical	Pass
4**	6894.000	44.89	54.0	9.11	AV	360.00	400	Vertical	Pass
5	12457.875	53.47	74.0	20.53	Peak	254.00	300	Vertical	Pass
5**	12457.875	44.19	54.0	9.81	AV	254.00	300	Vertical	Pass
6	14454.938	55.96	74.0	18.04	Peak	336.00	400	Vertical	Pass
6**	14454.938	46.36	54.0	7.64	AV	336.00	400	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	1300.300	44.20	74.0	29.80	Peak	310.00	200	Horizontal	Pass
1**	1300.300	38.92	54.0	15.08	AV	310.00	200	Horizontal	Pass
2	2413.200	109.68	74.0	-35.68	Peak	14.00	200	Horizontal	N/A
2**	2413.200	102.33	54.0	-48.33	AV	14.00	200	Horizontal	N/A
3	4873.000	49.94	74.0	24.06	Peak	300.00	100	Horizontal	Pass
3**	4873.000	40.84	54.0	13.16	AV	300.00	100	Horizontal	Pass
4	6959.750	53.33	74.0	20.67	Peak	18.00	400	Horizontal	Pass
4**	6959.750	43.75	54.0	10.25	AV	18.00	400	Horizontal	Pass
5	12518.200	53.17	74.0	20.83	Peak	220.00	400	Horizontal	Pass
5**	12518.200	44.15	54.0	9.85	AV	220.00	400	Horizontal	Pass
6	14463.863	55.72	74.0	18.28	Peak	360.00	200	Horizontal	Pass
6**	14463.863	45.74	54.0	8.26	AV	360.00	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	1300.300	43.34	74.0	30.66	Peak	1.00	100	Vertical	Pass
1**	1300.300	37.25	54.0	16.75	AV	1.00	100	Vertical	Pass
2	2415.800	98.07	74.0	-24.07	Peak	278.00	150	Vertical	N/A
2**	2415.800	90.80	54.0	-36.80	AV	278.00	150	Vertical	N/A
3	4901.250	49.76	74.0	24.24	Peak	178.00	200	Vertical	Pass
3**	4901.250	40.55	54.0	13.45	AV	178.00	200	Vertical	Pass
4	7958.000	53.24	74.0	20.76	Peak	282.00	100	Vertical	Pass
4**	7958.000	44.59	54.0	9.41	AV	282.00	100	Vertical	Pass
5	12997.276	54.27	74.0	19.73	Peak	185.00	400	Vertical	Pass
5**	12997.276	43.99	54.0	10.01	AV	185.00	400	Vertical	Pass
6	17163.676	55.66	74.0	18.34	Peak	59.00	300	Vertical	Pass
6**	17163.676	45.26	54.0	8.74	AV	59.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.700	42.66	74.0	31.34	Peak	120.00	100	Horizontal	Pass
1**	1484.700	37.55	54.0	16.45	AV	120.00	100	Horizontal	Pass
2	2435.900	109.17	74.0	-35.17	Peak	230.00	100	Horizontal	N/A
2**	2435.900	102.26	54.0	-48.26	AV	230.00	100	Horizontal	N/A
3	4868.500	50.89	74.0	23.11	Peak	156.00	200	Horizontal	Pass
3**	4868.500	41.90	54.0	12.10	AV	156.00	200	Horizontal	Pass
4	7963.250	53.57	74.0	20.43	Peak	280.00	300	Horizontal	Pass
4**	7963.250	44.44	54.0	9.56	AV	280.00	300	Horizontal	Pass
5	12497.063	53.07	74.0	20.93	Peak	92.00	100	Horizontal	Pass
5**	12497.063	44.63	54.0	9.37	AV	92.00	100	Horizontal	Pass
6	14458.087	55.65	74.0	18.35	Peak	59.00	300	Horizontal	Pass
6**	14458.087	45.94	54.0	8.06	AV	59.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1299.800	43.60	74.0	30.40	Peak	257.00	100	Vertical	Pass
1**	1299.800	36.68	54.0	17.32	AV	257.00	100	Vertical	Pass
2	2435.300	97.49	74.0	-23.49	Peak	82.00	100	Vertical	N/A
2**	2435.300	90.15	54.0	-36.15	AV	82.00	100	Vertical	N/A
3	4816.750	49.53	74.0	24.47	Peak	176.00	200	Vertical	Pass
3**	4816.750	40.84	54.0	13.16	AV	176.00	200	Vertical	Pass
4	6894.250	54.47	74.0	19.53	Peak	260.00	400	Vertical	Pass
4**	6894.250	45.36	54.0	8.64	AV	260.00	400	Vertical	Pass
5	12516.300	54.13	74.0	19.87	Peak	308.00	100	Vertical	Pass
5**	12516.300	43.86	54.0	10.14	AV	308.00	100	Vertical	Pass
6	14472.787	55.11	74.0	18.89	Peak	340.00	400	Vertical	Pass
6**	14472.787	45.82	54.0	8.18	AV	340.00	400	Vertical	Pass

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

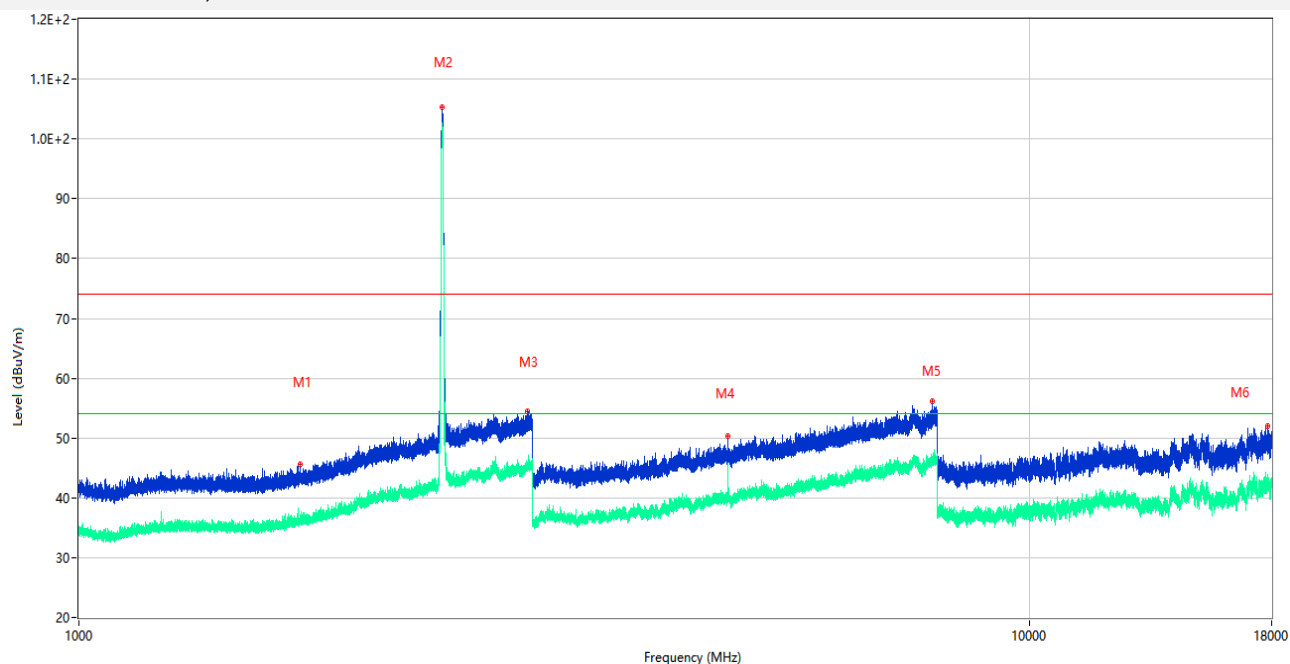
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1460.400	42.01	74.0	31.99	Peak	149.00	400	Horizontal	Pass
1**	1460.400	33.48	54.0	20.52	AV	149.00	400	Horizontal	Pass
2	2460.600	105.88	74.0	-31.88	Peak	28.00	200	Horizontal	N/A
2**	2460.600	98.25	54.0	-44.25	AV	28.00	200	Horizontal	N/A
3	4922.500	50.57	74.0	23.43	Peak	360.00	100	Horizontal	Pass
3**	4922.500	41.31	54.0	12.69	AV	360.00	100	Horizontal	Pass
4	6884.250	53.61	74.0	20.39	Peak	0.00	400	Horizontal	Pass
4**	6884.250	44.05	54.0	9.95	AV	0.00	400	Horizontal	Pass
5	12959.737	53.50	74.0	20.50	Peak	0.00	200	Horizontal	Pass
5**	12959.737	43.89	54.0	10.11	AV	0.00	200	Horizontal	Pass
6	16866.000	55.44	74.0	18.56	Peak	257.00	200	Horizontal	Pass
6**	16866.000	46.75	54.0	7.25	AV	257.00	200	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	1348.900	42.66	74.0	31.34	Peak	297.00	300	Vertical	Pass
1**	1348.900	32.87	54.0	21.13	AV	297.00	300	Vertical	Pass
2	2456.600	92.41	74.0	-18.41	Peak	272.00	150	Vertical	N/A
2**	2456.600	85.56	54.0	-31.56	AV	272.00	150	Vertical	N/A
3	4907.250	50.06	74.0	23.94	Peak	325.00	200	Vertical	Pass
3**	4907.250	40.66	54.0	13.34	AV	325.00	200	Vertical	Pass
4	6894.000	54.22	74.0	19.78	Peak	106.00	300	Vertical	Pass
4**	6894.000	44.42	54.0	9.58	AV	106.00	300	Vertical	Pass
5	12993.863	53.46	74.0	20.54	Peak	102.00	400	Vertical	Pass
5**	12993.863	45.11	54.0	8.89	AV	102.00	400	Vertical	Pass
6	17006.437	55.99	74.0	18.01	Peak	131.00	300	Vertical	Pass
6**	17006.437	46.10	54.0	7.90	AV	131.00	300	Vertical	Pass

Note: The following are verification test data for Radiated Emission with worse case.

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	1709.600	45.70	74.0	28.30	Peak	359.00	100	Horizontal	Pass
1**	1709.600	35.68	54.0	18.32	AV	359.00	100	Horizontal	Pass
2	2410.800	105.28	74.0	-31.28	Peak	21.00	150	Horizontal	N/A
2**	2410.800	102.42	54.0	-48.42	AV	21.00	150	Horizontal	N/A
3	2964.700	54.46	74.0	19.54	Peak	57.00	150	Horizontal	Pass
3**	2964.700	44.94	54.0	9.06	AV	57.00	150	Horizontal	Pass
4	4824.000	50.35	74.0	23.65	Peak	44.00	400	Horizontal	Pass
4**	4824.000	44.59	54.0	9.41	AV	44.00	400	Horizontal	Pass
5	7906.000	56.22	74.0	17.78	Peak	142.00	300	Horizontal	Pass
5**	7906.000	45.68	54.0	8.32	AV	142.00	300	Horizontal	Pass
6	17842.237	51.93	74.0	22.07	Peak	352.00	100	Horizontal	Pass
6**	17842.237	43.50	54.0	10.50	AV	352.00	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	1643.900	45.48	74.0	28.52	Peak	132.00	300	Vertical	Pass
1**	1643.900	35.65	54.0	18.35	AV	132.00	300	Vertical	Pass
2	2410.900	94.27	74.0	-20.27	Peak	326.00	100	Vertical	N/A
2**	2410.900	91.44	54.0	-37.44	AV	326.00	100	Vertical	N/A
3	2972.900	54.66	74.0	19.34	Peak	0.00	200	Vertical	Pass
3**	2972.900	44.85	54.0	9.15	AV	0.00	200	Vertical	Pass
4	4824.250	48.83	74.0	25.17	Peak	194.00	100	Vertical	Pass
4**	4824.250	43.86	54.0	10.14	AV	194.00	100	Vertical	Pass
5	7946.250	55.55	74.0	18.45	Peak	9.00	400	Vertical	Pass
5**	7946.250	46.35	54.0	7.65	AV	9.00	400	Vertical	Pass
6	17276.287	51.56	74.0	22.44	Peak	320.00	300	Vertical	Pass
6**	17276.287	41.54	54.0	12.46	AV	320.00	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.

Test Data

802.11b LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2351.167	55.35	74.0	18.65	Peak	164.00	100	Horizontal	Pass
1**	2351.167	43.32	54.0	10.68	AV	164.00	100	Horizontal	Pass
2	2389.833	54.59	74.0	19.41	Peak	18.00	150	Horizontal	Pass
2**	2389.833	43.17	54.0	10.83	AV	18.00	150	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	54.90	74.0	19.10	Peak	360.00	200	Horizontal	Pass
1**	2483.500	44.66	54.0	9.34	AV	360.00	200	Horizontal	Pass
2	2488.500	55.74	74.0	18.26	Peak	360.00	200	Horizontal	Pass
2**	2488.500	44.10	54.0	9.90	AV	360.00	200	Horizontal	Pass

802.11g LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.667	66.63	74.0	7.37	Peak	11.00	200	Horizontal	Pass
1**	2389.667	49.83	54.0	4.17	AV	11.00	200	Horizontal	Pass
2	2389.833	65.95	74.0	8.05	Peak	322.00	100	Horizontal	Pass
2**	2389.833	50.38	54.0	3.62	AV	322.00	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	67.10	74.0	6.90	Peak	1.00	200	Horizontal	Pass
1**	2483.500	50.78	54.0	3.22	AV	1.00	200	Horizontal	Pass
2	2483.950	67.62	74.0	6.38	Peak	14.00	100	Horizontal	Pass
2**	2483.950	50.04	54.0	3.96	AV	14.00	100	Horizontal	Pass

802.11n20 LOW CHANNEL

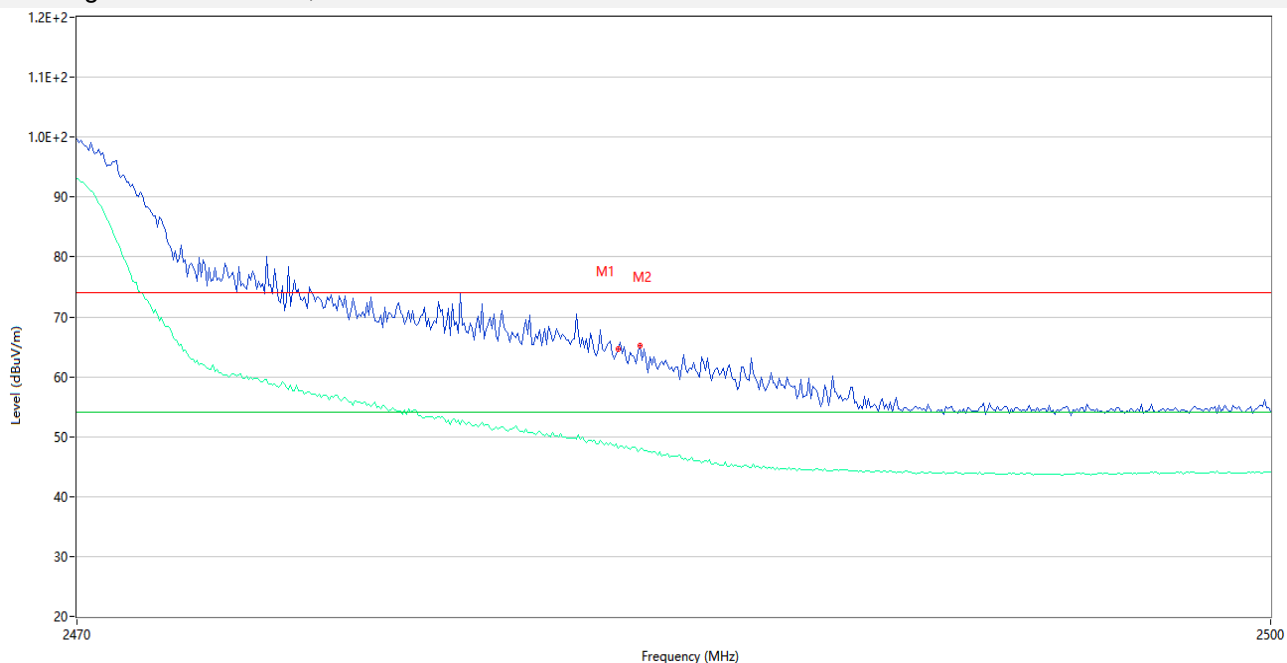
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.333	67.22	74.0	6.78	Peak	11.00	100	Horizontal	Pass
1**	2389.333	47.83	54.0	6.17	AV	11.00	100	Horizontal	Pass
2	2389.833	67.37	74.0	6.63	Peak	233.00	150	Horizontal	Pass
2**	2389.833	49.18	54.0	4.82	AV	233.00	150	Horizontal	Pass

802.11n20 HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	66.63	74.0	7.37	Peak	32.00	200	Horizontal	Pass
1**	2483.500	50.07	54.0	3.93	AV	32.00	200	Horizontal	Pass
2	2484.200	66.26	74.0	7.74	Peak	2.00	100	Horizontal	Pass
2**	2484.200	49.20	54.0	4.80	AV	2.00	100	Horizontal	Pass

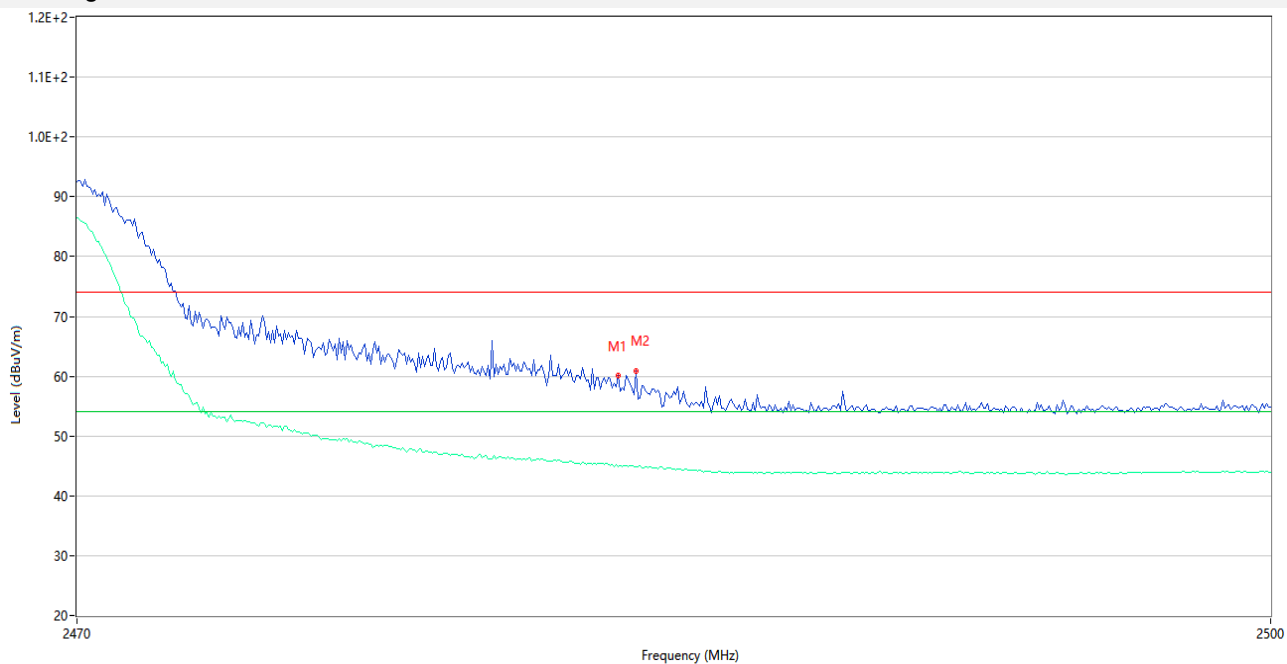
Note: The following are verification test data for Band Edge (Restricted-band band-edge) with worse case.

802.11g HIGH CHANNEL, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	64.62	74.0	9.38	Peak	4.00	100	Horizontal	Pass
1**	2483.550	48.11	54.0	5.89	AV	4.00	100	Horizontal	Pass
2	2484.100	65.23	74.0	8.77	Peak	325.00	200	Horizontal	Pass
2**	2484.100	47.94	54.0	6.06	AV	325.00	200	Horizontal	Pass

802.11g HIGH CHANNEL, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	60.02	74.0	13.98	Peak	13.00	100	Vertical	Pass
1**	2483.550	44.86	54.0	9.14	AV	13.00	100	Vertical	Pass
2	2484.000	60.81	74.0	13.19	Peak	292.00	100	Vertical	Pass
2**	2484.000	44.89	54.0	9.11	AV	292.00	100	Vertical	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.652	8
Middle	-7.334	8
High	-6.703	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.354	8
Middle	-10.172	8
High	-10.223	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-10.635	8
Middle	-10.497	8
High	-11.823	8

Test Plots

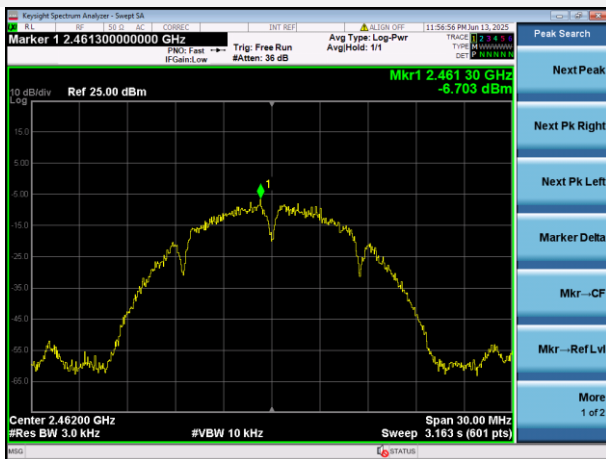
802.11b LOW CHANNEL



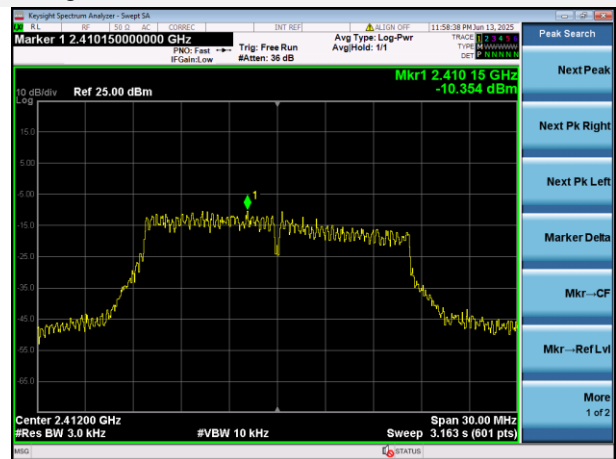
802.11b MIDDLE CHANNEL



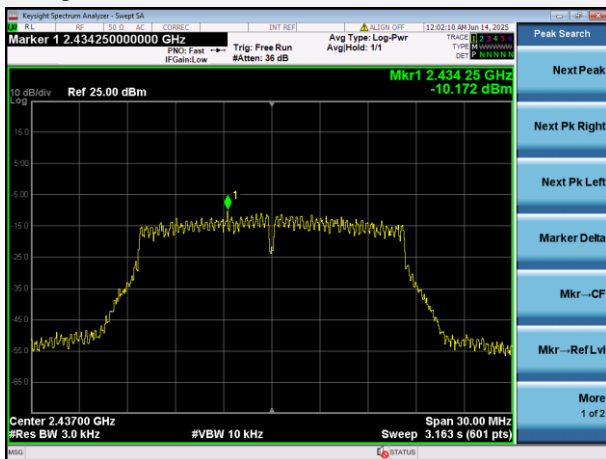
802.11b HIGH CHANNEL



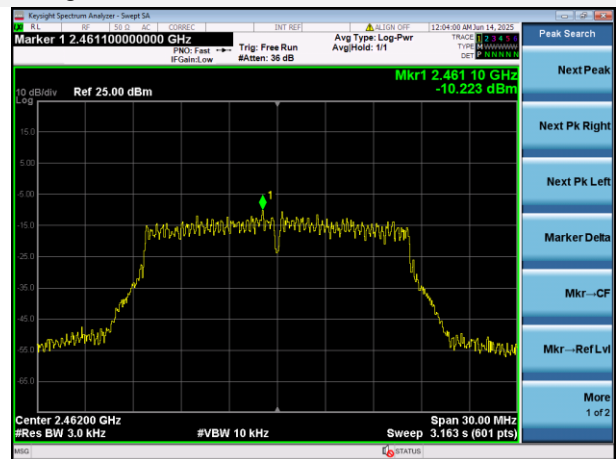
802.11g LOW CHANNEL



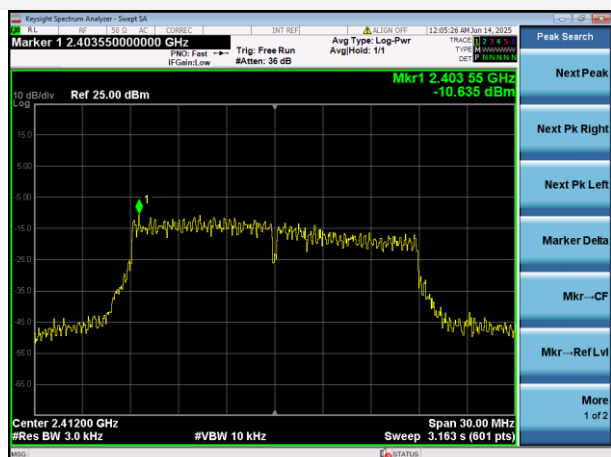
802.11g MIDDLE CHANNEL



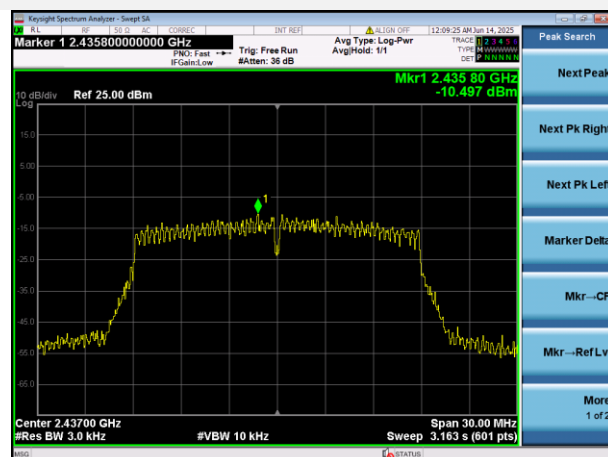
802.11g HIGH CHANNEL



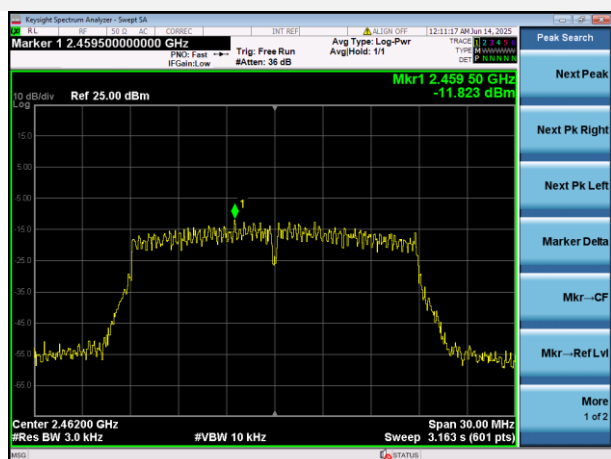
802.11n-20 MHz LOW CHANNEL



802.11n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-CC26040293-AR-2.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-CC26040293-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-CC26040293-AI.PDF”.

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--END OF REPORT--