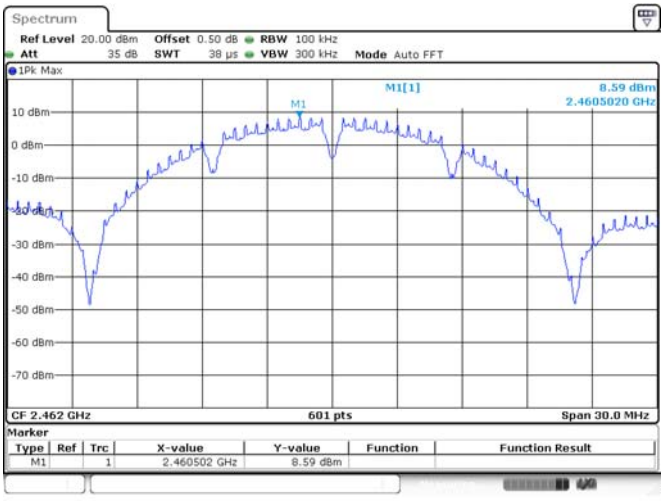
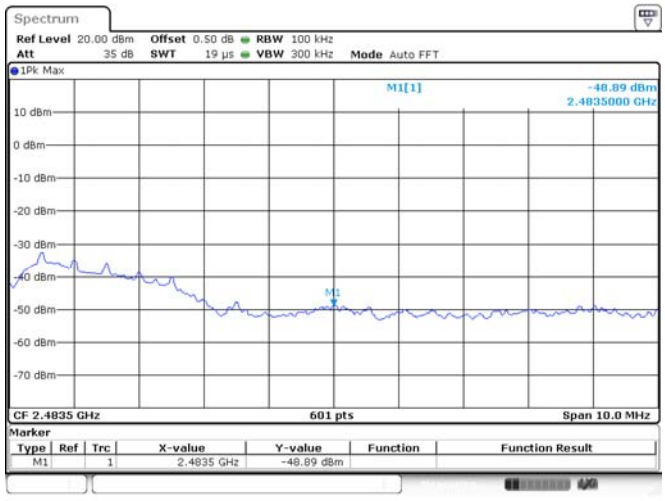
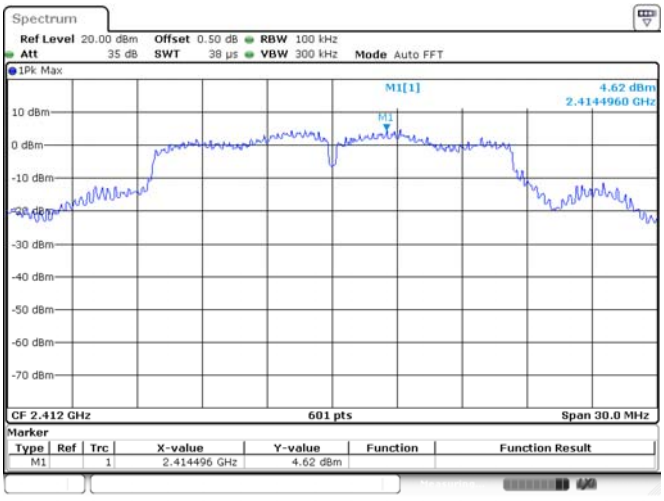
802.11b HIGH CHANNEL, Carrier level



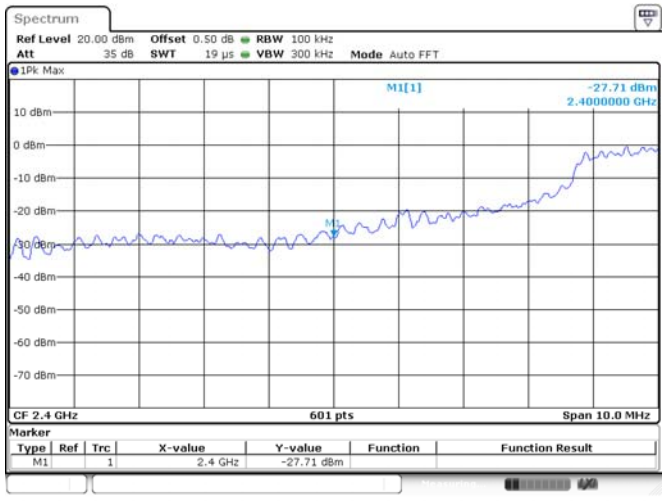
802.11b HIGH CHANNEL, Band Edge



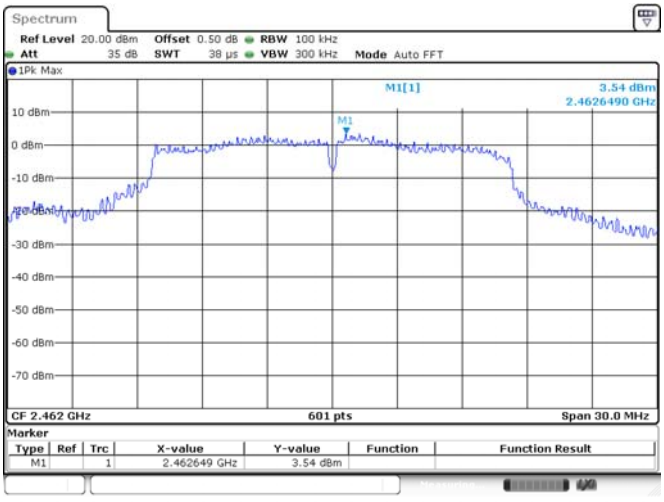
802.11g LOW CHANNEL, Carrier level



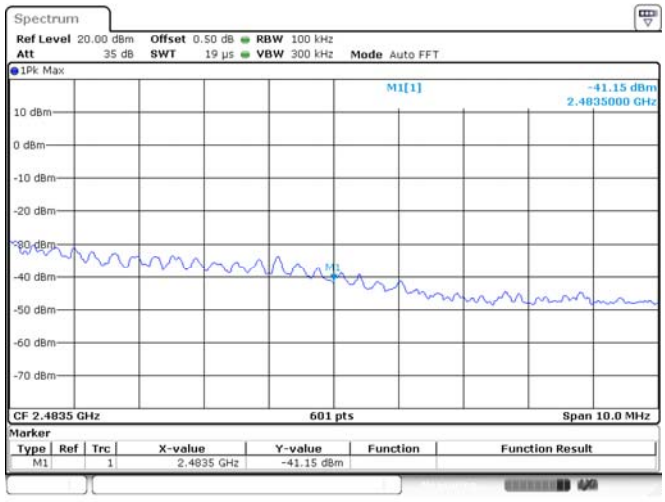
802.11g LOW CHANNEL, Band Edge



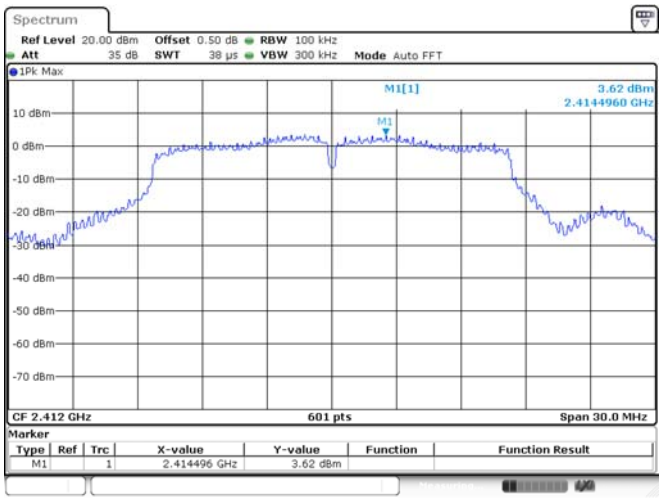
802.11g HIGH CHANNEL, Carrier level



802.11g HIGH CHANNEL, Band Edge

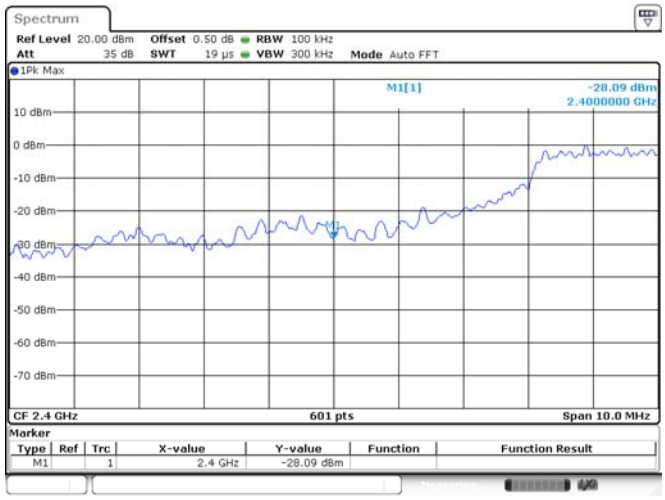


802.11n-20 MHz LOW CHANNEL, Carrier level



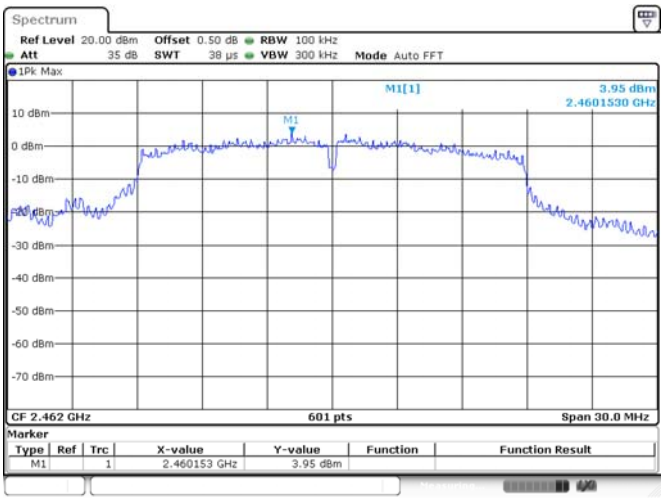
Date: 6.JUL.2017 12:30:08

802.11n-20 MHz LOW CHANNEL, Band Edge



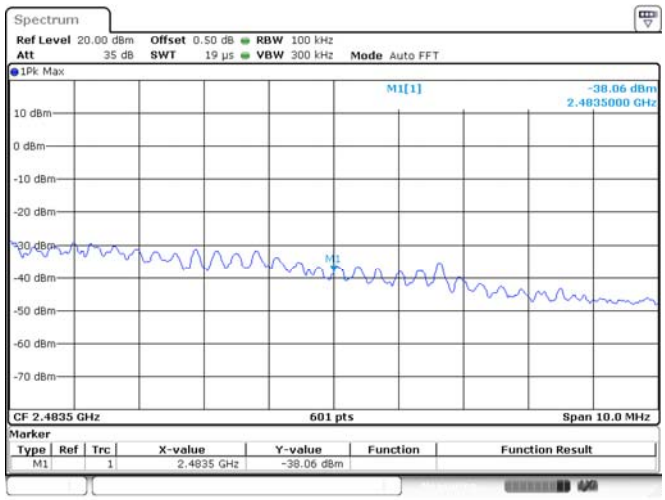
Date: 5.JUL.2017 11:24:10

802.11n-20 MHz HIGH CHANNEL, Carrier level



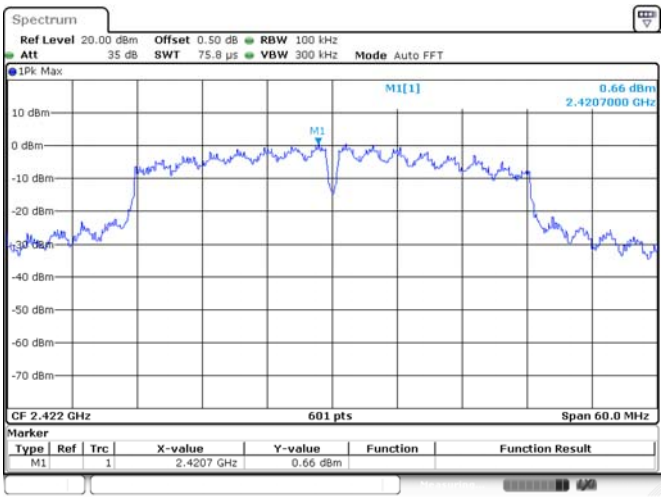
Date: 6.JUL.2017 11:30:54

802.11n-20 MHz HIGH CHANNEL, Band Edge



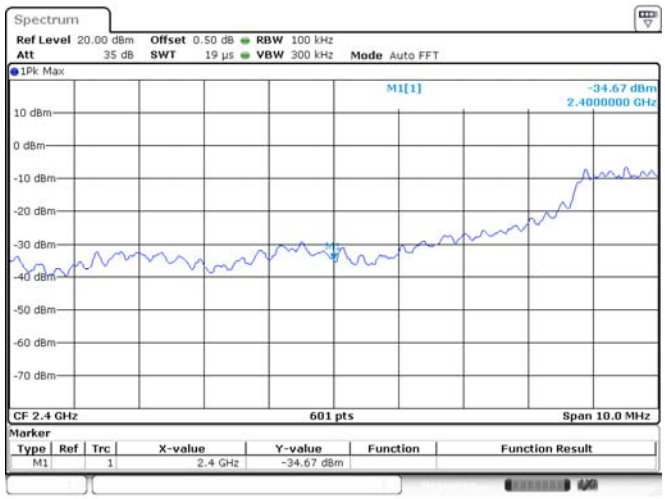
Date: 5.JUL.2017 11:31:46

802.11n-40 MHz LOW CHANNEL, Carrier level



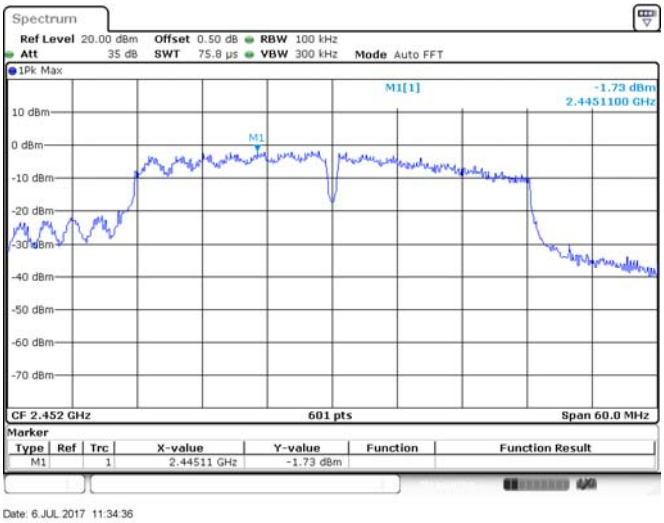
Date: 6.JUL.2017 11:32:23

802.11n-40 MHz LOW CHANNEL, Band Edge

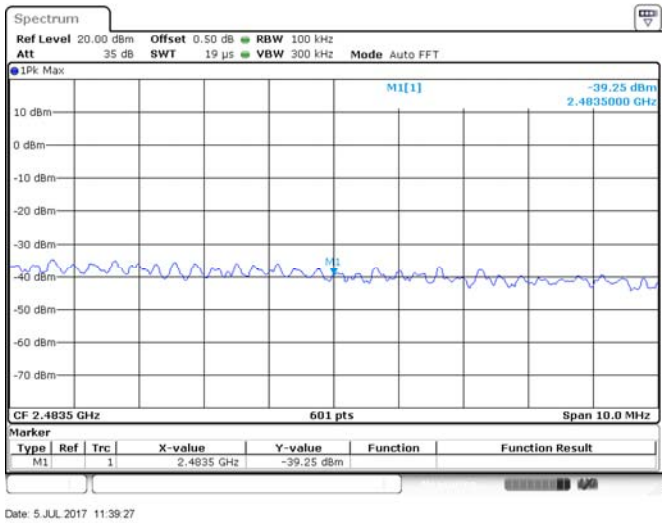


Date: 5.JUL.2017 11:34:38

802.11n-40 MHz HIGH CHANNEL, Carrier level



802.11n-40 MHz HIGH CHANNEL, Band Edge



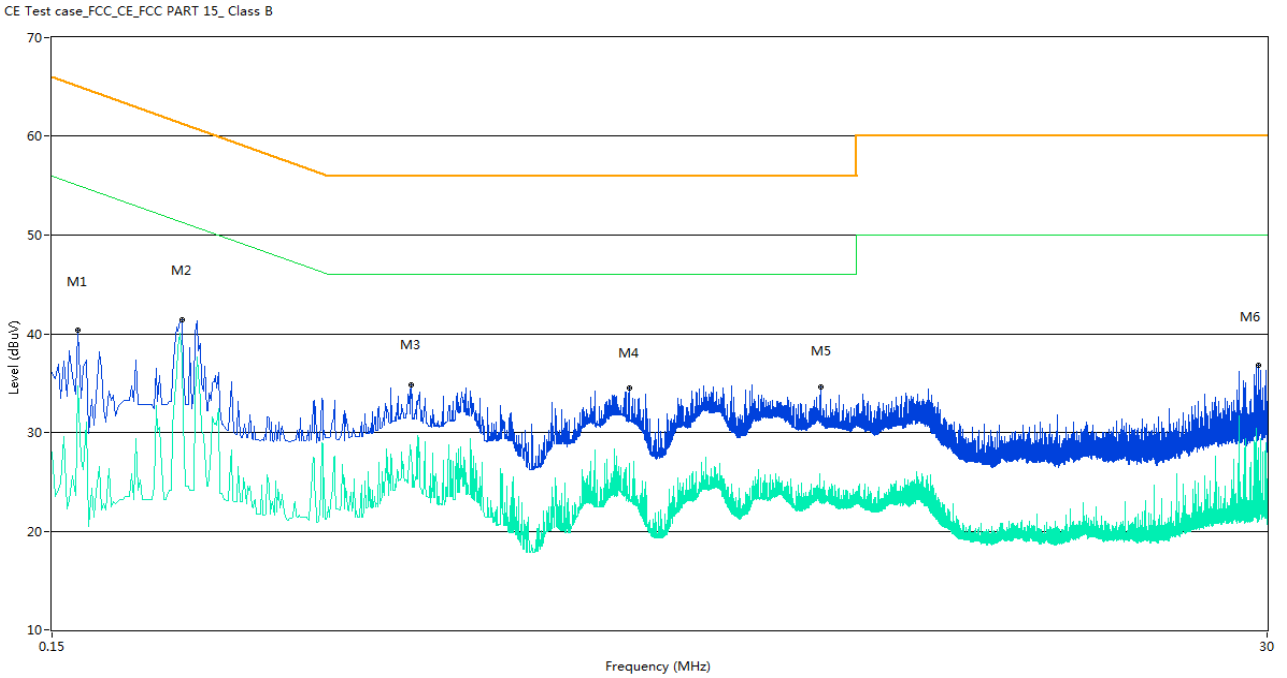
A.5 Conducted Emissions

Note [1]: The EUT is working in the Normal link mode.

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.

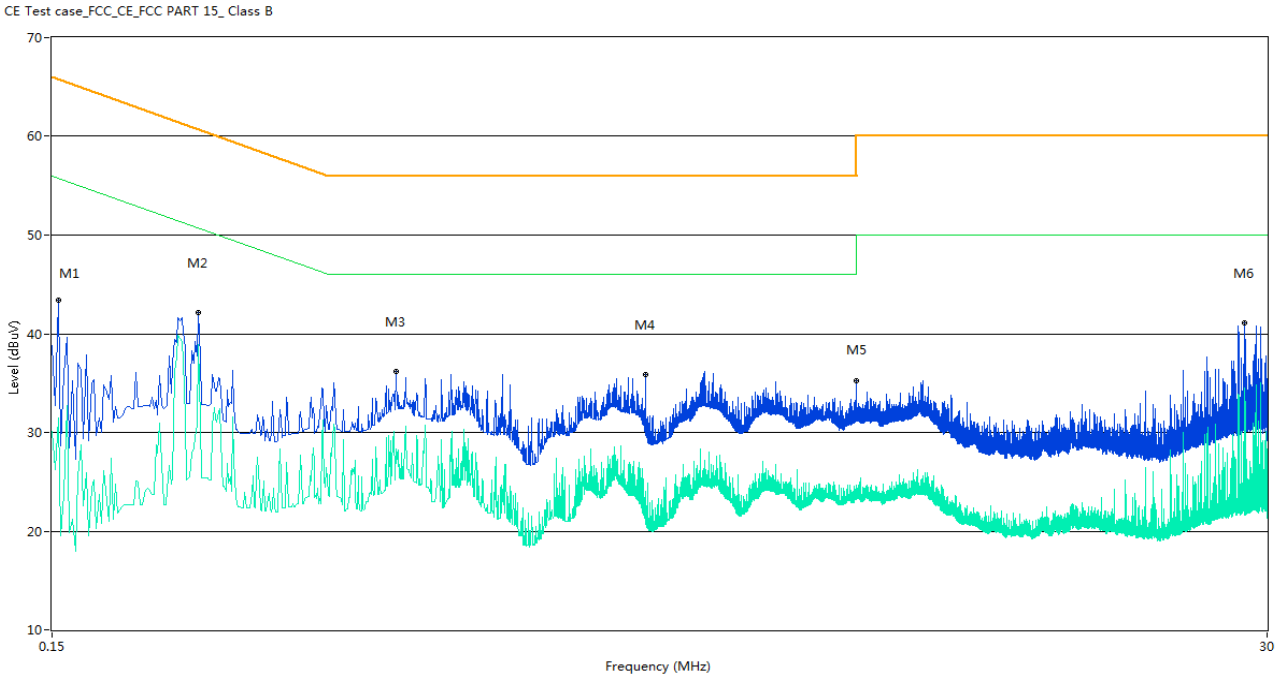
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.168	40.3	9.10	65.1	24.80	Peak	L Line	Pass
1**	0.168	34.7	9.10	55.1	20.40	AV	L Line	Pass
2	0.264	41.4	8.96	61.3	19.90	Peak	L Line	Pass
2**	0.264	37.6	8.96	51.3	13.70	AV	L Line	Pass
3	0.718	34.8	10.19	56.0	21.20	Peak	L Line	Pass
3**	0.718	28.2	10.19	46.0	17.80	AV	L Line	Pass
4	1.858	34.5	10.33	56.0	21.50	Peak	L Line	Pass
4**	1.858	26.9	10.33	46.0	19.10	AV	L Line	Pass
5	4.280	34.6	10.35	56.0	21.40	Peak	L Line	Pass
5**	4.280	24.0	10.35	46.0	22.00	AV	L Line	Pass
6	28.866	36.8	11.58	60.0	23.20	Peak	L Line	Pass
6**	28.866	28.4	11.58	50.0	21.60	AV	L Line	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	43.4	9.99	65.8	22.40	Peak	N Line	Pass
1**	0.154	31.5	9.99	55.8	24.30	AV	N Line	Pass
2	0.284	42.2	9.55	60.7	18.50	Peak	N Line	Pass
2**	0.284	39.0	9.55	50.7	11.70	AV	N Line	Pass
3	0.672	36.2	9.96	56.0	19.80	Peak	N Line	Pass
3**	0.672	28.4	9.96	46.0	17.60	AV	N Line	Pass
4	1.994	35.9	10.39	56.0	20.10	Peak	N Line	Pass
4**	1.994	24.1	10.39	46.0	21.90	AV	N Line	Pass
5	5.004	35.2	10.27	60.0	24.80	Peak	N Line	Pass
5**	5.004	24.6	10.27	50.0	25.40	AV	N Line	Pass
6	27.156	41.1	11.78	60.0	18.90	Peak	N Line	Pass
6**	27.156	34.5	11.78	50.0	15.50	AV	N Line	Pass

A.6 Radiated Emission

Note [1]: The symbol of "--" in the table which means not application.

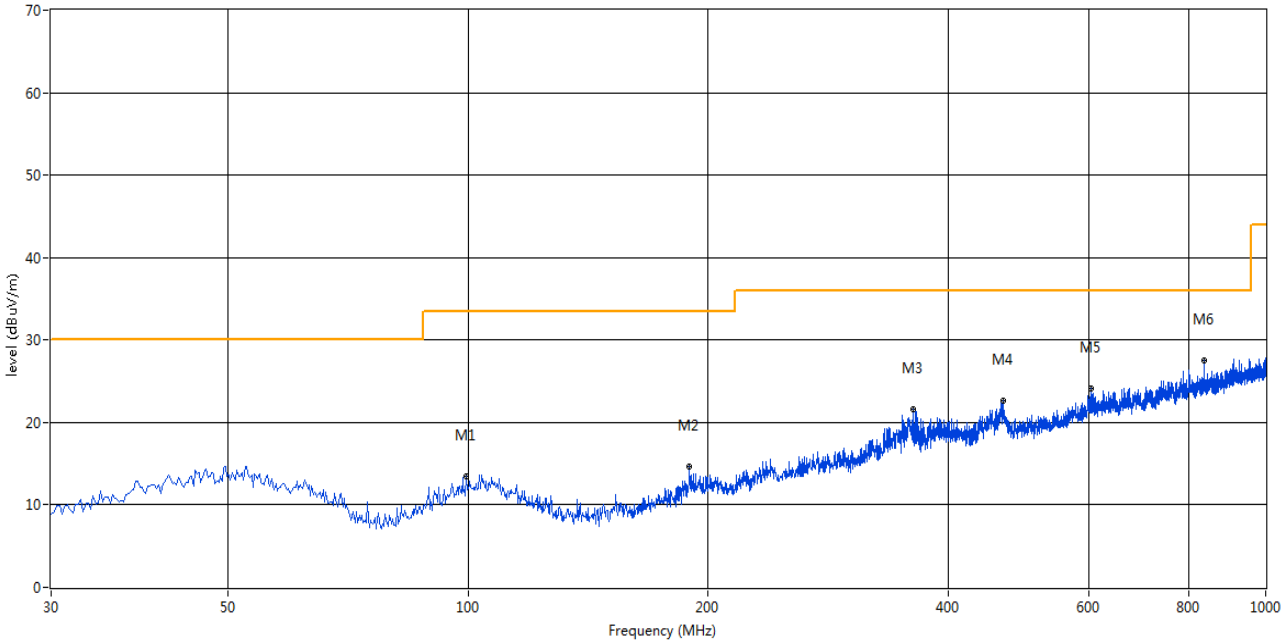
Note [2]: For the test data above 1 GHz，According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

Note [4]: The EUT is working in the Normal link mode below 1 GHz.

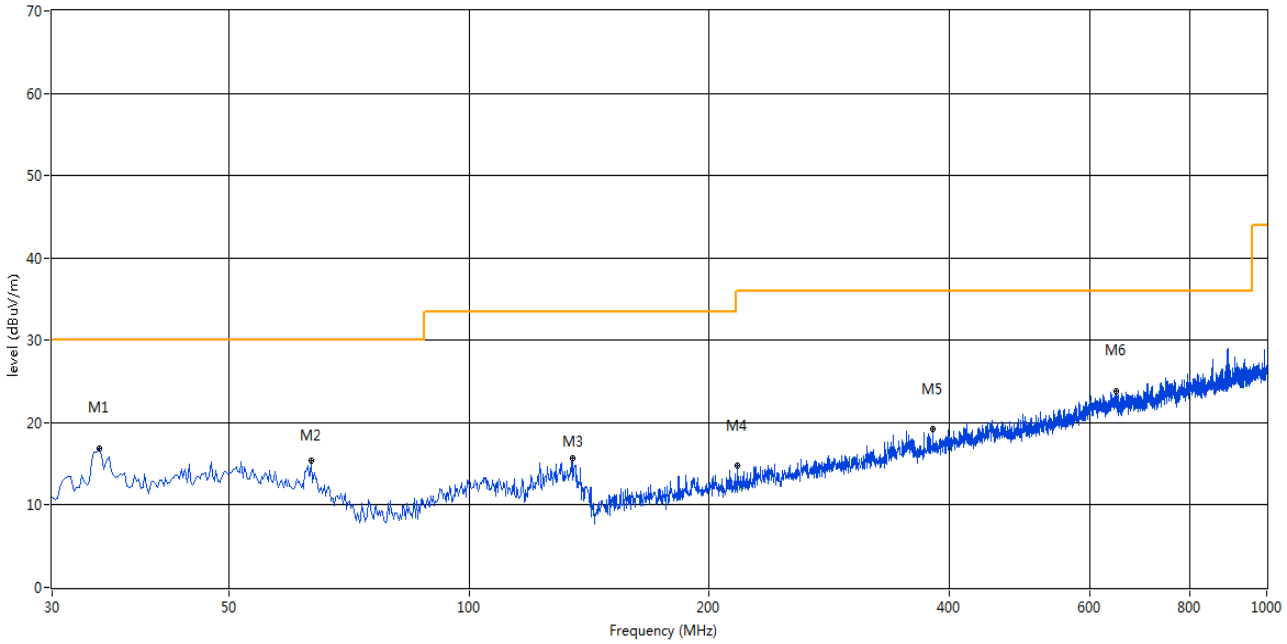
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	99.338	13.50	-11.93	33.5	20.00	Peak	294.00	200	Horizontal	Pass
2	189.283	14.63	-12.49	33.5	18.87	Peak	106.00	200	Horizontal	Pass
3	361.415	21.64	-7.02	36.0	14.36	Peak	89.00	200	Horizontal	Pass
4	468.573	22.64	-4.95	36.0	13.36	Peak	208.00	200	Horizontal	Pass
5	603.854	24.15	-1.56	36.0	11.85	Peak	360.00	200	Horizontal	Pass
6	836.353	27.54	1.34	36.0	8.46	Peak	360.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	34.364	16.91	-12.91	30.0	13.09	Peak	33.00	100	Vertical	Pass
2	63.457	15.34	-12.00	30.0	14.66	Peak	6.00	100	Vertical	Pass
3	134.734	15.74	-15.28	33.5	17.76	Peak	0.00	100	Vertical	Pass
4	217.163	14.87	-11.51	36.0	21.13	Peak	134.00	100	Vertical	Pass
5	381.295	19.22	-6.76	36.0	16.78	Peak	120.00	200	Vertical	Pass
6	647.736	23.81	-1.12	36.0	12.19	Peak	227.00	200	Vertical	Pass

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

1 GHz to 25 GHz, ANT V 802.11b Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2412.48	104.78	11.47	74	-30.78	Peak	137.2	150	Vertical	N/A
2	2972.87	49.34	12.14	74	24.66	Peak	149.1	150	Vertical	Pass
3	5971.52	50.92	0.00	74	23.08	Peak	91.1	150	Vertical	Pass
4	7888.25	42.84	13.26	74	31.16	Peak	266.2	150	Vertical	Pass
5	8529.00	42.80	14.82	74	31.20	Peak	28.9	150	Vertical	Pass
6	10726.25	47.17	17.72	74	26.83	Peak	258.6	150	Vertical	Pass

1 GHz to 25 GHz, ANT H 802.11b Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2412.32	110.03	11.47	74	-36.03	Peak	168.8	150	Horizontal	N/A
2	2500.44	52.46	11.30	74	21.54	Peak	228.5	150	Horizontal	Pass
3	6255.56	51.00	0.00	74	23.00	Peak	158.8	150	Horizontal	Pass
4	7027.50	43.35	13.31	74	30.65	Peak	235	150	Horizontal	Pass
5	8732.50	43.62	15.51	74	30.38	Peak	157.2	150	Horizontal	Pass
6	11130.50	42.55	17.47	74	31.45	Peak	284.8	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V 802.11b Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2437.48	105.43	11.52	74	-31.43	Peak	49.1	150	Vertical	N/A
2	2973.42	48.66	12.11	74	25.34	Peak	200.3	150	Vertical	Pass
3	5968.64	51.02	0.00	74	22.98	Peak	39.9	150	Vertical	Pass
4	7594.00	42.09	12.87	74	31.91	Peak	23	150	Vertical	Pass
5	8603.25	43.46	16.56	74	30.54	Peak	6.4	150	Vertical	Pass
6	10745.50	44.62	17.62	74	29.38	Peak	178.6	150	Vertical	Pass

1 GHz to 25 GHz, ANT H 802.11b Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2437.96	111.48	11.51	74	-37.48	Peak	325.8	150	Horizontal	N/A
2	2501.37	51.79	11.27	74	22.21	Peak	62	150	Horizontal	Pass
3	6258.08	50.44	0.00	74	23.56	Peak	263.2	150	Horizontal	Pass
4	7984.50	42.34	13.13	74	31.66	Peak	309.1	150	Horizontal	Pass
5	9172.50	44.56	15.26	74	29.44	Peak	248	150	Horizontal	Pass
6	10366.00	45.26	17.52	74	28.74	Peak	149.2	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V 802.11b High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2462.12	103.88	11.47	74	-29.88	Peak	62.1	150	Vertical	N/A
2	2972.50	49.84	12.14	74	24.16	Peak	244.4	150	Vertical	Pass
3	5969.00	50.92	0.00	74	23.08	Peak	312.5	150	Vertical	Pass
4	8273.25	40.85	13.91	74	33.15	Peak	243.6	150	Vertical	Pass
5	9854.50	45.17	17.55	74	28.83	Peak	111.6	150	Vertical	Pass
6	10740.00	44.36	18.35	74	29.64	Peak	3.7	150	Vertical	Pass

1 GHz to 25 GHz, ANT H 802.11b High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2462.96	109.40	11.50	74	-35.40	Peak	17.4	150	Horizontal	N/A
2	2499.71	52.69	11.30	74	21.31	Peak	280	150	Horizontal	Pass
3	6260.64	51.20	0.00	74	22.80	Peak	332.7	150	Horizontal	Pass
4	8342.00	44.11	13.43	74	29.89	Peak	309.7	150	Horizontal	Pass
5	9675.75	42.56	14.83	74	31.44	Peak	96	150	Horizontal	Pass
6	10613.50	45.67	15.90	74	28.33	Peak	252.7	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V 802.11g Low Channel

No.	Frequenc y (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2412.57	101.65	11.56	74	-27.65	Peak	13.6	150	Vertical	N/A
2	2920.47	48.19	12.40	74	25.81	Peak	206.1	150	Vertical	Pass
3	5545.36	50.72	0.00	74	23.28	Peak	177.5	150	Vertical	Pass
4	8355.75	41.83	13.08	74	32.17	Peak	105.4	150	Vertical	Pass
5	9983.75	45.20	14.20	74	28.80	Peak	211.2	150	Vertical	Pass
6	10968.25	44.16	17.11	74	29.84	Peak	337.7	150	Vertical	Pass

1 GHz to 25 GHz, ANT H 802.11g Low Channel

No.	Frequenc y (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2412.28	107.97	11.55	74	-33.97	Peak	209.2	150	Horizontal	N/A
2	2505.89	50.40	11.26	74	23.60	Peak	57.6	150	Horizontal	Pass
3	6805.33	50.09	0.00	74	23.91	Peak	11.4	150	Horizontal	Pass
4	7041.25	41.61	13.33	74	32.39	Peak	218.5	150	Horizontal	Pass
5	9153.25	45.57	17.02	74	28.43	Peak	84.3	150	Horizontal	Pass
6	10674.00	46.85	17.57	74	27.15	Peak	198	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V 802.11g Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2437.95	105.31	11.53	74	-31.31	Peak	261.6	150	Vertical	N/A
2	2916.21	48.25	12.41	74	25.75	Peak	102.6	150	Vertical	Pass
3	5542.66	49.66	0.00	74	24.34	Peak	337	150	Vertical	Pass
4	8402.50	40.91	12.66	74	33.09	Peak	104.4	150	Vertical	Pass
5	9488.75	43.69	14.88	74	30.31	Peak	6.8	150	Vertical	Pass
6	10146.00	45.60	16.08	74	28.40	Peak	313.9	150	Vertical	Pass

1 GHz to 25 GHz, ANT H 802.11g Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2437.58	112.38	11.53	74	-38.38	Peak	319.9	150	Horizontal	N/A
2	2504.17	50.94	11.28	74	23.06	Peak	118.8	150	Horizontal	Pass
3	6811.38	50.61	0.00	74	23.39	Peak	280.8	150	Horizontal	Pass
4	7830.50	40.59	13.88	74	33.41	Peak	35.8	150	Horizontal	Pass
5	10022.25	44.92	16.23	74	29.08	Peak	304.3	150	Horizontal	Pass
6	10250.50	45.55	17.37	74	28.45	Peak	237.4	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V 802.11g High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2462.01	102.30	11.53	74	-28.30	Peak	46.3	150	Vertical	N/A
2	2917.00	49.52	12.40	74	24.48	Peak	262.7	150	Vertical	Pass
3	5544.00	50.83	0.00	74	23.17	Peak	139.8	150	Vertical	Pass
4	8190.75	43.12	12.89	74	30.88	Peak	61.4	150	Vertical	Pass
5	8487.75	42.75	16.61	74	31.25	Peak	290.2	150	Vertical	Pass
6	11785.00	44.72	17.07	74	29.28	Peak	158.8	150	Vertical	Pass

1 GHz to 25 GHz, ANT H 802.11g High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2462.51	107.94	11.52	74	-33.94	Peak	337.1	150	Horizontal	N/A
2	2503.93	50.44	11.25	74	23.56	Peak	269.9	150	Horizontal	Pass
3	6807.91	51.41	0.00	74	22.59	Peak	307.6	150	Horizontal	Pass
4	7434.50	42.36	13.83	74	31.64	Peak	178.9	150	Horizontal	Pass
5	8812.25	44.03	16.85	74	29.97	Peak	248.6	150	Horizontal	Pass
6	11914.25	45.04	17.94	74	28.96	Peak	279.8	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V 802.11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2412.82	102.65	11.51	74	-28.65	Peak	176	150	Vertical	N/A
2	2918.17	48.35	12.39	74	25.65	Peak	223.2	150	Vertical	Pass
3	5545.15	49.75	0.00	74	24.25	Peak	239.7	150	Vertical	Pass
4	7057.75	45.00	13.08	74	29.00	Peak	320.9	150	Vertical	Pass
5	9037.75	45.37	15.82	74	28.63	Peak	244.5	150	Vertical	Pass
6	11290.00	46.09	17.27	74	27.91	Peak	99.4	150	Vertical	Pass

1 GHz to 25 GHz, ANT H 802.11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2412.71	106.12	11.51	74	-32.12	Peak	314.9	150	Horizontal	N/A
2	2503.37	50.20	11.26	74	23.80	Peak	315.6	150	Horizontal	Pass
3	6810.34	50.96	0.00	74	23.04	Peak	160.5	150	Horizontal	Pass
4	7148.50	43.01	13.31	74	30.99	Peak	153.8	150	Horizontal	Pass
5	9486.00	44.81	14.66	74	29.19	Peak	129.9	150	Horizontal	Pass
6	11380.75	46.47	18.93	74	27.53	Peak	345.2	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V 802.11n20 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2437.69	104.31	11.52	74	-30.31	Peak	312	150	Vertical	N/A
2	2917.72	49.58	12.33	74	24.42	Peak	215.8	150	Vertical	Pass
3	5544.78	49.52	0.00	74	24.48	Peak	229.2	150	Vertical	Pass
4	8386.00	42.80	14.35	74	31.20	Peak	237.9	150	Vertical	Pass
5	9912.25	44.86	15.01	74	29.14	Peak	266	150	Vertical	Pass
6	10674.00	48.20	18.35	74	25.80	Peak	19.2	150	Vertical	Pass

1 GHz to 25 GHz, ANT H 802.11n20 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2437.36	111.45	11.52	74	-37.45	Peak	170.4	150	Horizontal	N/A
2	2502.09	50.59	11.28	74	23.41	Peak	247.6	150	Horizontal	Pass
3	6809.92	51.42	0.00	74	22.58	Peak	125.1	150	Horizontal	Pass
4	8292.50	45.09	12.87	74	28.91	Peak	228.7	150	Horizontal	Pass
5	9436.50	42.77	16.29	74	31.23	Peak	239.6	150	Horizontal	Pass
6	11160.75	45.24	17.75	74	28.76	Peak	103.6	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V 802.11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2462.79	101.93	11.52	74	-27.93	Peak	144.9	150	Vertical	N/A
2	2918.00	49.19	12.41	74	24.81	Peak	301.4	150	Vertical	Pass
3	5546.00	49.54	0.00	74	24.46	Peak	262.2	150	Vertical	Pass
4	8003.75	41.10	12.98	74	32.90	Peak	63.9	150	Vertical	Pass
5	9989.25	43.25	14.52	74	30.75	Peak	59.4	150	Vertical	Pass
6	10638.25	47.27	18.05	74	26.73	Peak	133.4	150	Vertical	Pass

1 GHz to 25 GHz, ANT H 802.11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2462.27	106.07	11.52	74	-32.07	Peak	169.5	150	Horizontal	N/A
2	2505.01	50.41	11.27	74	23.59	Peak	38.3	150	Horizontal	Pass
3	6805.35	50.99	0.00	74	23.01	Peak	36.5	150	Horizontal	Pass
4	7382.25	41.62	13.25	74	32.38	Peak	278.6	150	Horizontal	Pass
5	9849.00	42.40	14.80	74	31.60	Peak	194.8	150	Horizontal	Pass
6	10605.25	46.21	17.73	74	27.79	Peak	313.9	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V 802.11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2422.89	97.84	11.16	74	-23.84	Peak	190.3	150	Vertical	N/A
2	2501.14	50.28	11.27	74	23.72	Peak	97.5	150	Vertical	Pass
3	6560.59	51.90	0.00	74	22.10	Peak	3.6	150	Vertical	Pass
4	8278.75	45.50	14.47	74	28.50	Peak	272.1	150	Vertical	Pass
5	9048.75	44.01	14.88	74	29.99	Peak	176.2	150	Vertical	Pass
6	11257.00	47.90	15.96	74	26.10	Peak	283.6	150	Vertical	Pass

1 GHz to 25 GHz, ANT H 802.11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2422.16	103.47	11.16	74	-29.47	Peak	302.7	150	Horizontal	N/A
2	2501.45	50.14	11.28	74	23.86	Peak	38.8	150	Horizontal	Pass
3	6560.70	51.03	0.00	74	22.97	Peak	137.2	150	Horizontal	Pass
4	7002.75	40.98	14.44	74	33.02	Peak	330.5	150	Horizontal	Pass
5	8751.75	43.65	16.04	74	30.35	Peak	281.1	150	Horizontal	Pass
6	10740.00	42.18	17.47	74	31.82	Peak	37.2	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V 802.11n40 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2437.99	100.23	11.16	74	-26.23	Peak	42.2	150	Vertical	N/A
2	2502.98	49.66	11.26	74	24.34	Peak	48.6	150	Vertical	Pass
3	6559.04	51.70	0.00	74	22.30	Peak	154	150	Vertical	Pass
4	7926.75	41.71	14.35	74	32.29	Peak	90.8	150	Vertical	Pass
5	8672.00	44.78	16.49	74	29.22	Peak	319.8	150	Vertical	Pass
6	10715.25	46.70	16.31	74	27.30	Peak	142.3	150	Vertical	Pass

1 GHz to 25 GHz, ANT H 802.11n40 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2437.92	104.37	11.16	74	-30.37	Peak	33.6	150	Horizontal	N/A
2	2502.16	50.12	11.27	74	23.88	Peak	37.7	150	Horizontal	Pass
3	6557.95	51.89	0.00	74	22.11	Peak	291.1	150	Horizontal	Pass
4	8366.75	41.84	14.10	74	32.16	Peak	261	150	Horizontal	Pass
5	8545.50	44.21	16.64	74	29.79	Peak	315.4	150	Horizontal	Pass
6	11048.00	45.70	18.35	74	28.30	Peak	100.2	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V 802.11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2452.22	97.27	11.16	74	-23.27	Peak	7.3	150	Vertical	N/A
2	2502.50	51.73	11.30	74	22.27	Peak	355	150	Vertical	Pass
3	6562.00	51.20	0.00	74	22.80	Peak	148.2	150	Vertical	Pass
4	8058.75	43.61	12.93	74	30.39	Peak	117.6	150	Vertical	Pass
5	9442.00	45.70	14.86	74	28.30	Peak	208.5	150	Vertical	Pass
6	11163.50	43.68	17.48	74	30.32	Peak	319.9	150	Vertical	Pass

1 GHz to 25 GHz, ANT H 802.11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2452.90	103.06	11.14	74	-29.06	Peak	333.9	150	Horizontal	N/A
2	2501.51	51.45	11.30	74	22.55	Peak	175.9	150	Horizontal	Pass
3	6559.01	51.87	0.00	74	22.13	Peak	52.8	150	Horizontal	Pass
4	8218.25	44.49	12.67	74	29.51	Peak	78.2	150	Horizontal	Pass
5	8518.00	44.53	15.18	74	29.47	Peak	39.3	150	Horizontal	Pass
6	10841.75	46.07	16.08	74	27.93	Peak	273.4	150	Horizontal	Pass

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

Test Data

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

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

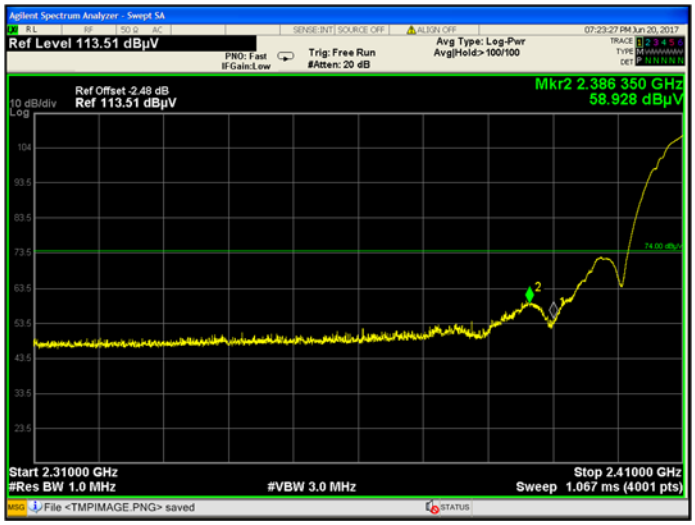
Note [3]: According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Test Mode	Test Channel	Frequency (MHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Remark	Verdict
802.11b	CH01	2386.35	58.93	74	15.07	PEAK	Pass
		2386.35	53.47	54	0.53	AVERAGE	Pass
	CH02	2390	48.11	74	25.89	PEAK	Pass
		2390	N/A	N/A	N/A	AVERAGE	Pass
	CH03	2385.103	58.15	74	15.86	PEAK	Pass
		2385.103	50.84	54	3.16	AVERAGE	Pass
	CH09	2489.485	56.09	74	17.91	PEAK	Pass
		2489.485	53.77	54	0.23	AVERAGE	Pass
	CH10	2483.5	52.08	74	21.92	PEAK	Pass
		2483.5	N/A	N/A	N/A	AVERAGE	Pass
	CH11	2487.0025	58.04	74	15.96	PEAK	Pass
		2487.0025	51.31	54	2.69	AVERAGE	Pass
802.11g	CH01	2390	71.74	74	2.26	PEAK	Pass
		2390	53.75	54	0.25	AVERAGE	Pass
	CH02	2390	60.835	74	13.17	PEAK	Pass
		2390	43.637	54	10.36	AVERAGE	Pass
	CH03	2389.375	70.55	74	3.45	PEAK	Pass
		2389.375	53.03	54	0.97	AVERAGE	Pass
	CH09	2484.4825	70.28	74	3.72	PEAK	Pass
		2484.4825	52.87	54	1.13	AVERAGE	Pass
	CH10	2483.5	57.233	74	16.77	PEAK	Pass
		2483.5	42.548	54	11.45	AVERAGE	Pass
	CH11	2484.52	67.79	74	6.21	PEAK	Pass
		2484.52	52.45	54	1.55	AVERAGE	Pass
802.11n20	CH01	2388.75	72.49	74	1.51	PEAK	Pass
		2388.75	52.74	54	1.26	AVERAGE	Pass
	CH02	2388.775	60.958	74	13.04	PEAK	Pass
		2388.775	51.558	54	2.442	AVERAGE	Pass
	CH03	2388.45	71.29	74	2.38	PEAK	Pass
		2388.45	52.99	54	0.93	AVERAGE	Pass
	CH09	2483.9875	72.27	74	2.71	PEAK	Pass
		2483.9875	52.28	54	1.02	AVERAGE	Pass

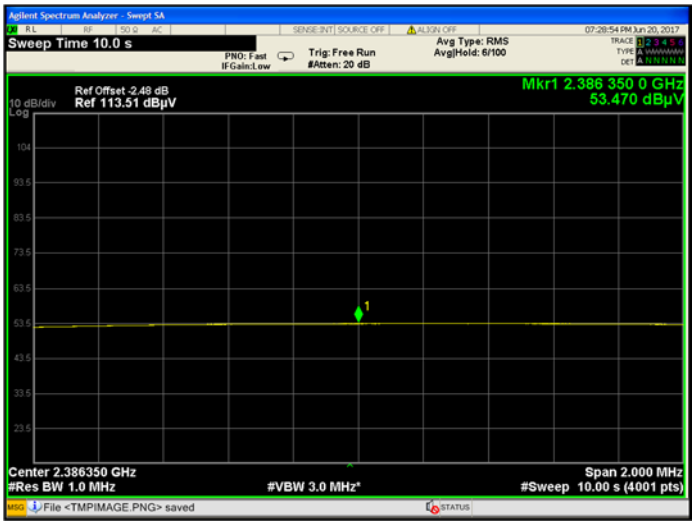
	CH10	2486.77	59.72	74	14.28	PEAK	Pass
		2486.77	38.68	54	15.32	AVERAGE	Pass
	CH11	2484.385	72.27	74	1.73	PEAK	Pass
		2484.385	53.28	54	0.72	AVERAGE	Pass
802.11n40	CH03	2388.625	70.13	74	3.87	PEAK	Pass
		2388.625	51.22	54	2.78	AVERAGE	Pass
	CH04	2390	53.922	74	20.08	PEAK	Pass
		2390	N/A	N/A	N/A	AVERAGE	Pass
	CH06	2387.925	63.079	74	10.92	PEAK	Pass
		2387.925	41.377	54	12.62	AVERAGE	Pass
		2483.5	58.725	74	15.2	PEAK	Pass
		2483.5	41.795	54	12.21	AVERAGE	Pass
	CH08	2483.5	54.643	74	19.36	PEAK	Pass
		2483.5	51.011	54	2.989	AVERAGE	Pass
	CH09	2483.8525	69.69	74	4.31	PEAK	Pass
		2483.8525	53.04	54	0.96	AVERAGE	Pass

802.11b Mode：

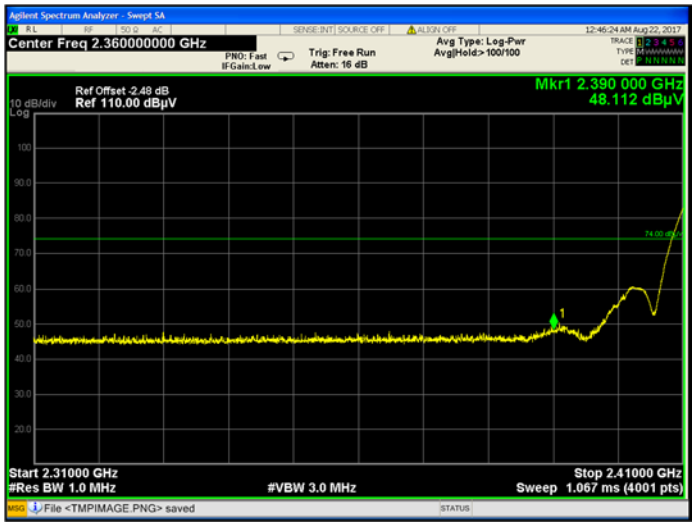
CH1, PEAK



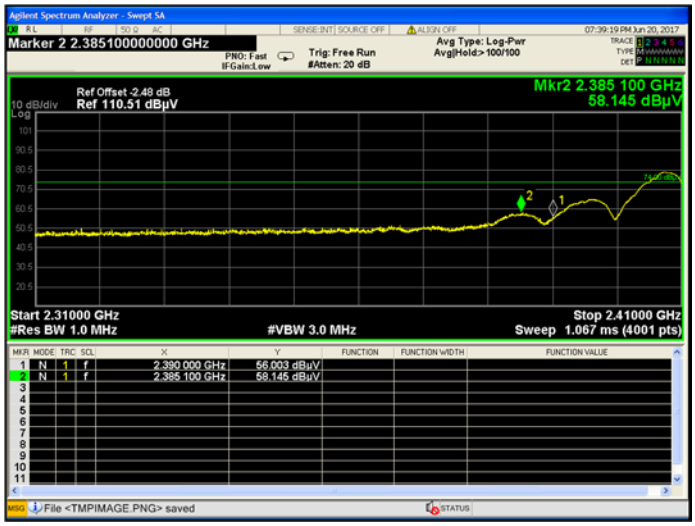
CH1, AV



CH2, PEAK



CH3, PEAK

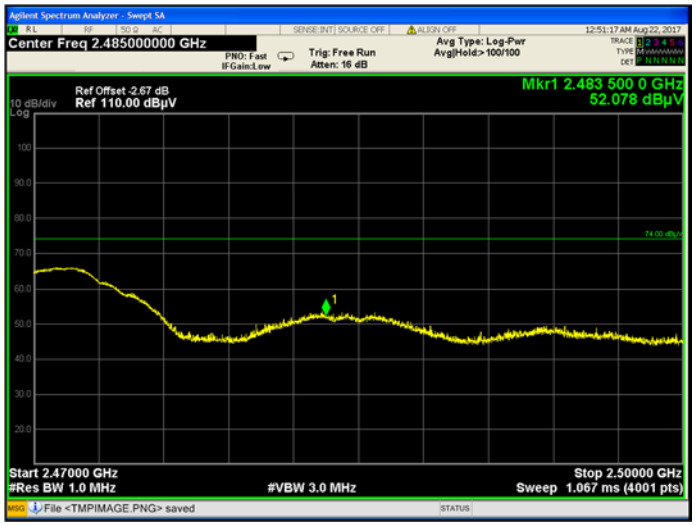


CH3, AV

CH9, PEAK

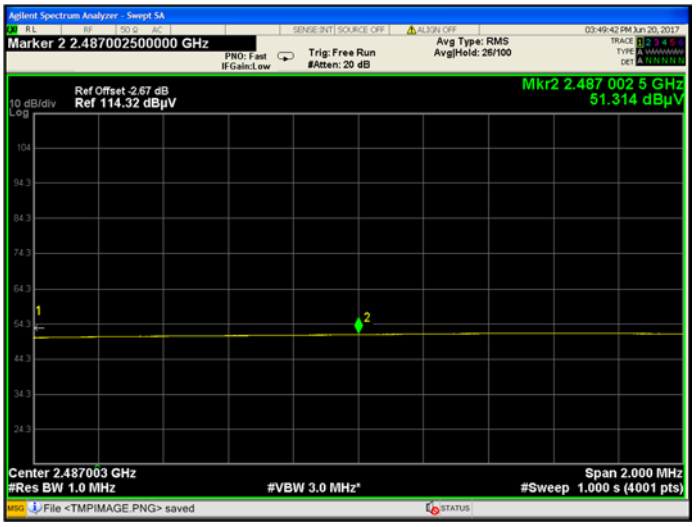
CH9, AV

CH10, PEAK



CH11, PEAK

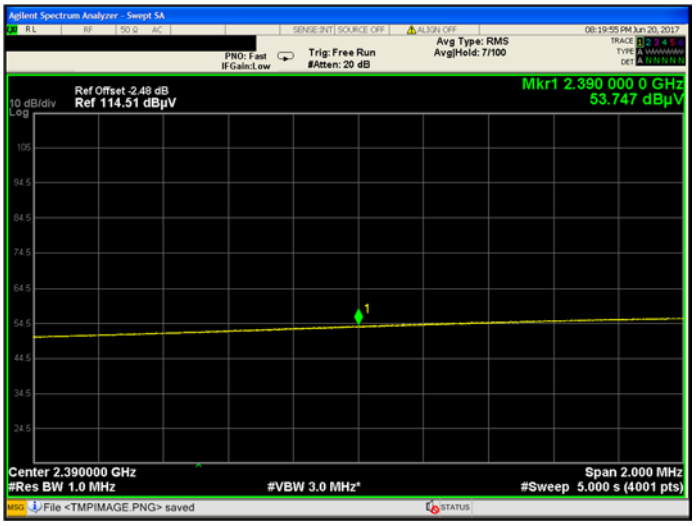
CH11, AV



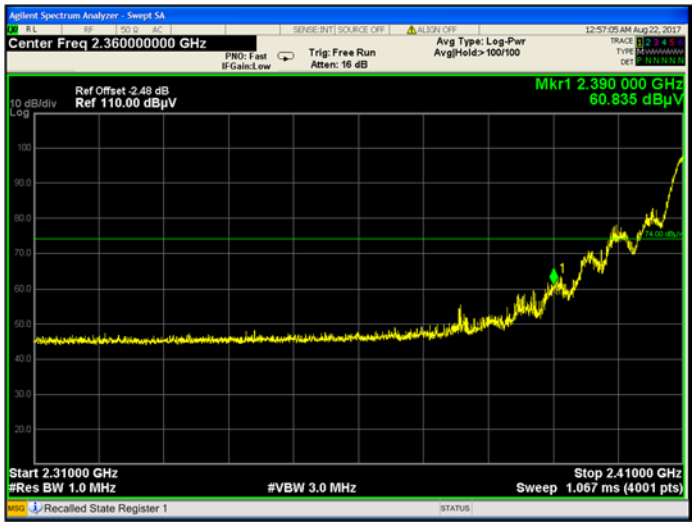
802.11g Mode：

CH1, PEAK

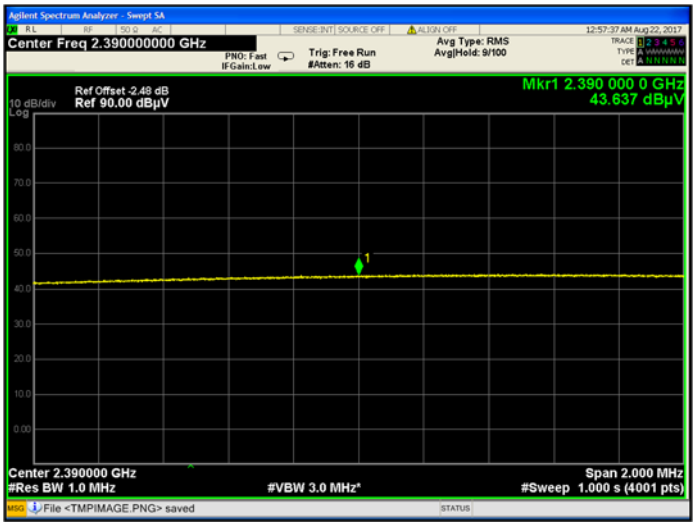
CH1, AV



CH2, PEAK



CH2, AV

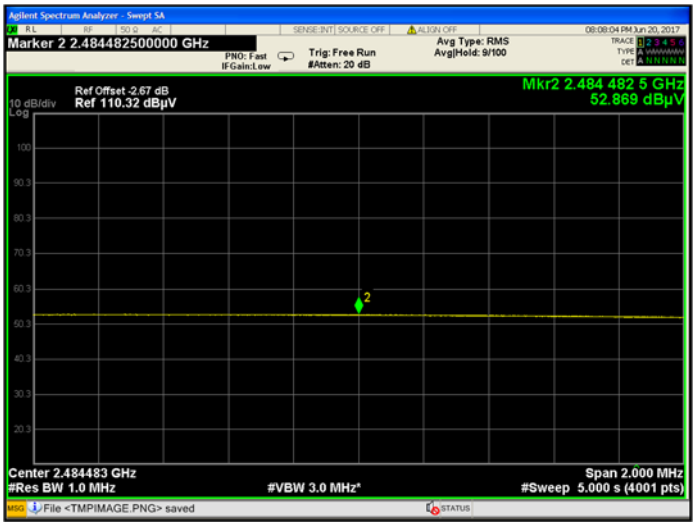


CH3, PEAK

CH3, AV

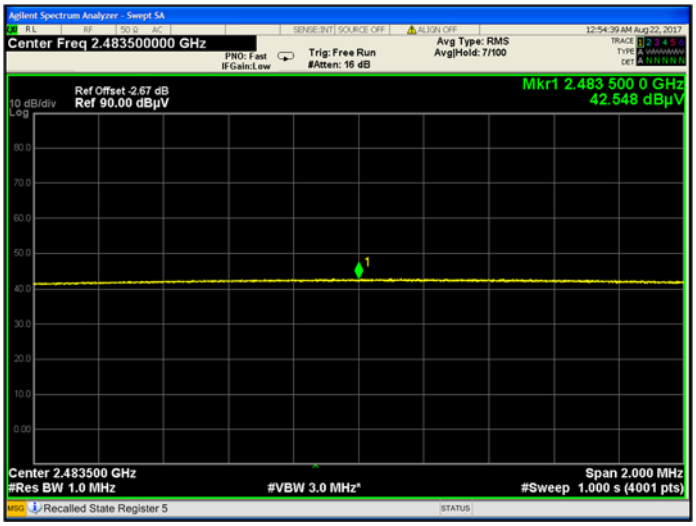
CH9, PEAK

CH9, AV



CH10, PEAK

CH10, AV



CH11, PEAK

CH11, AV

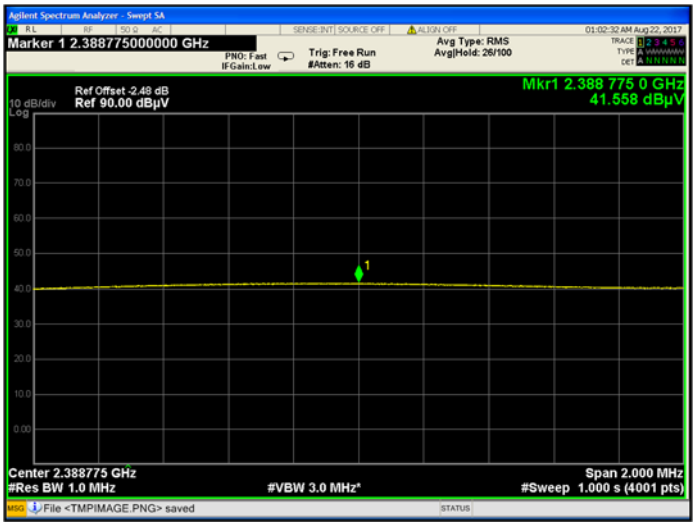
802.11n-20 MHz Mode:

CH1, PEAK

CH1, AV

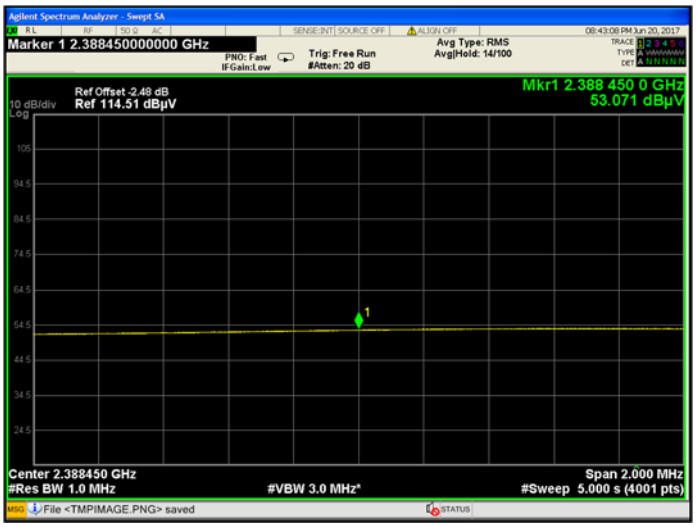
CH2, PEAK

CH2, AV



CH3, PEAK

CH3, AV

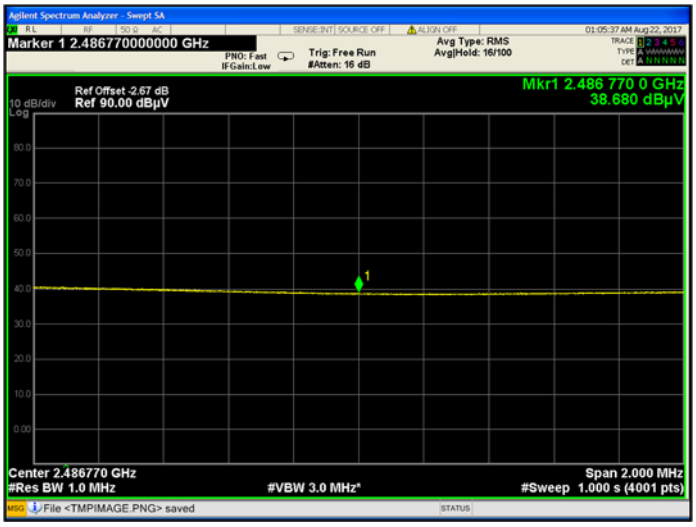


CH9, PEAK

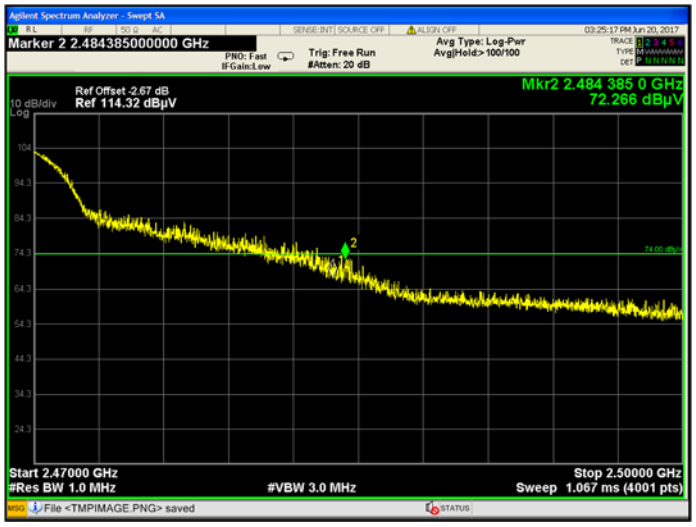
CH9, AV

CH10, PEAK

CH10, AV



CH11, PEAK

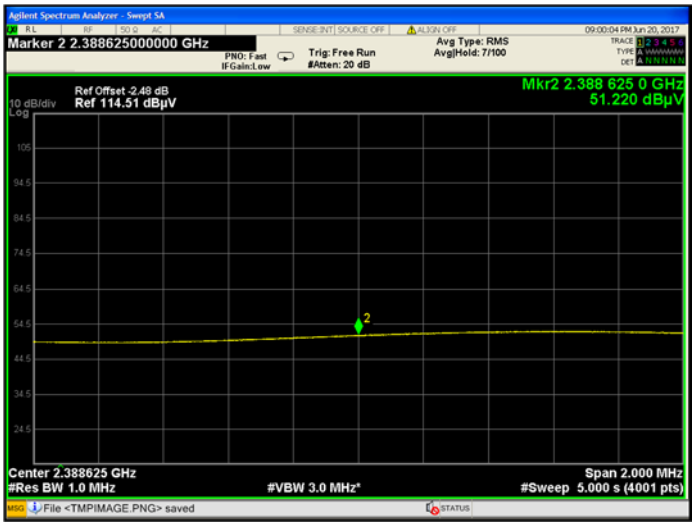


CH11, AV

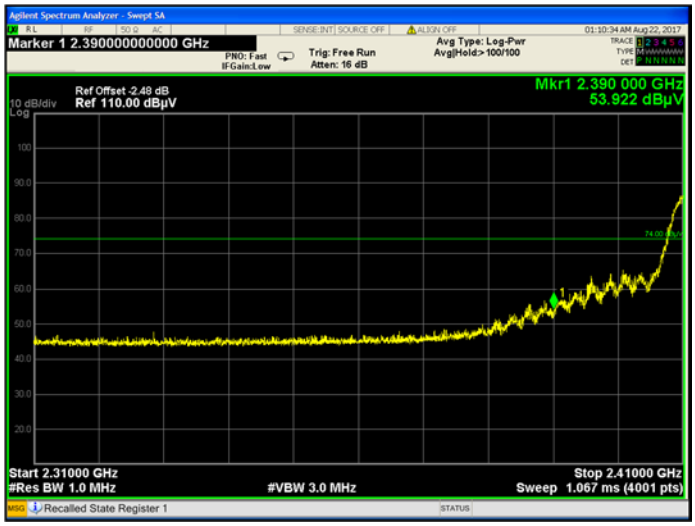
802.11n-40 MHz Mode：

CH3, PEAK

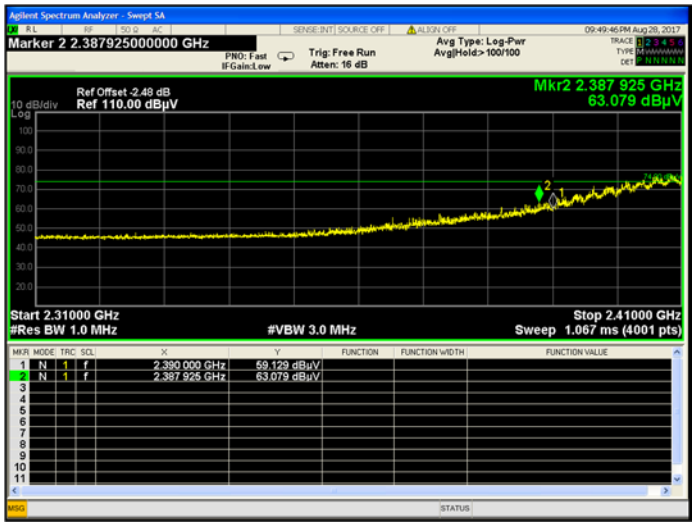
CH3, AV



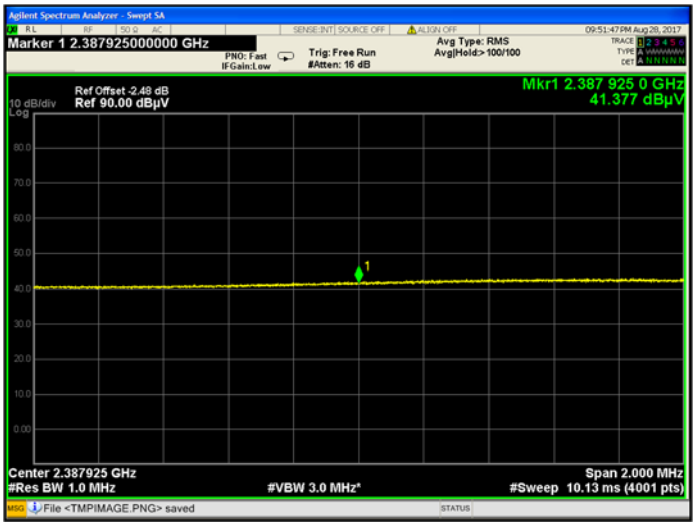
CH4, PEAK



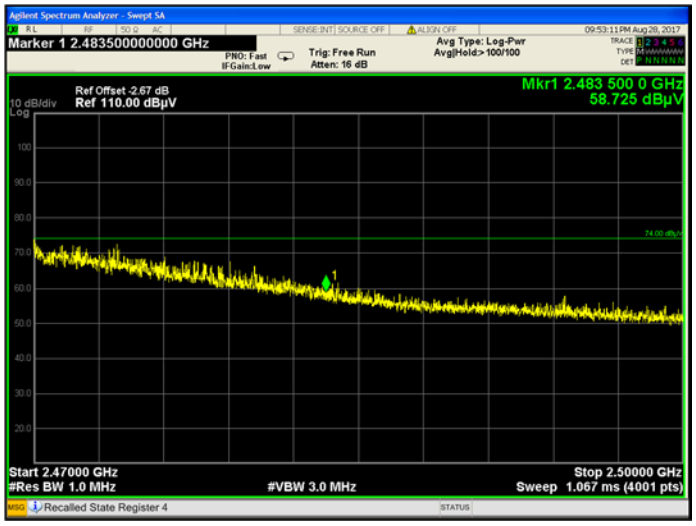
CH6, PEAK LEFT



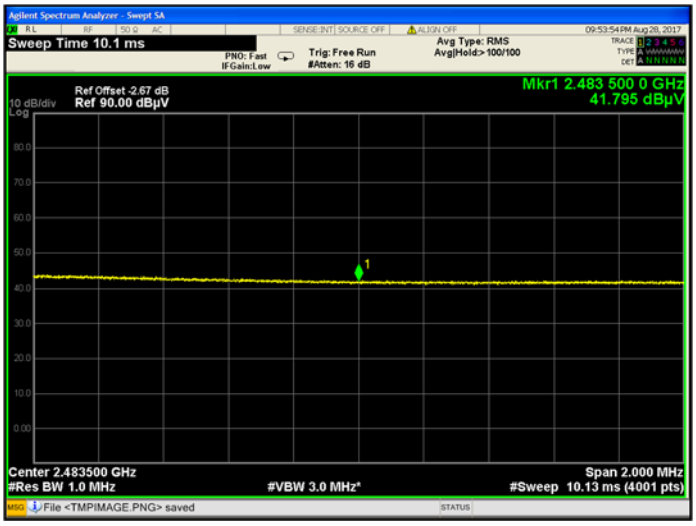
CH6, AV LEFT



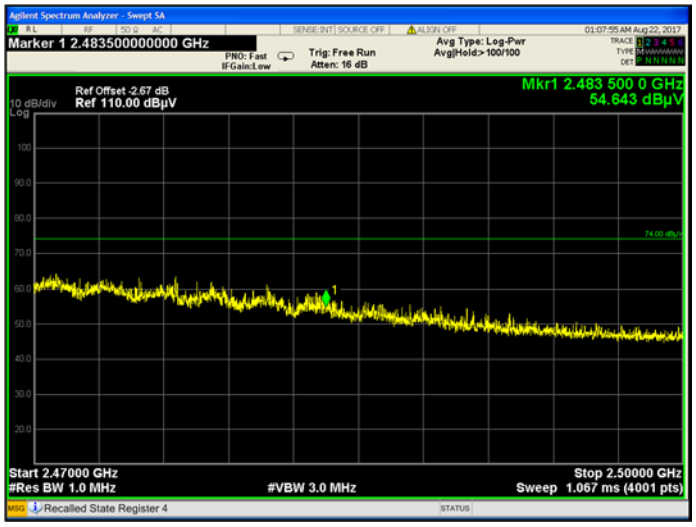
CH6, PEAK RIGHT



CH6, PEAK RIGHT



CH8, PEAK



CH8, AV

CH9, PEAK

CH9, AV

A.8 Power Spectral Density (PSD)

Note1: For 2.4G PSD direction gain=6.34 dbi＞6 dbi, so limit=8 dBm-(6.34-6) dbi=7.66 dBm/3kHz.

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)			Limit (dBm/3kHz)
	ANT0	ANT1	ANT0+ANT1	
Low	-13.01	-13.49	-10.23	7.66
Middle	-11	-11.64	-8.30	7.66
High	-13.82	-14.44	-11.11	7.66

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)			Limit (dBm/3kHz)
	ANT0	ANT1	ANT0+ANT1	
Low	-18.05	-18.29	-15.16	7.66
Middle	-12.14	-12.88	-9.48	7.66
High	-16.82	-17.36	-14.07	7.66

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)			Limit (dBm/3kHz)
	ANT0	ANT1	ANT0+ANT1	
Low	-18.06	-18.42	-15.23	7.66
Middle	-12.14	-12.5	-9.31	7.66
High	-17.01	-18.12	-14.52	7.66

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)			Limit (dBm/3kHz)
	ANT0	ANT1	ANT0+ANT1	
Low	-23.74	-23.28	-20.49	7.66
Middle	-19.94	-20.00	-16.96	7.66
High	-22.42	-23.24	-19.80	7.66

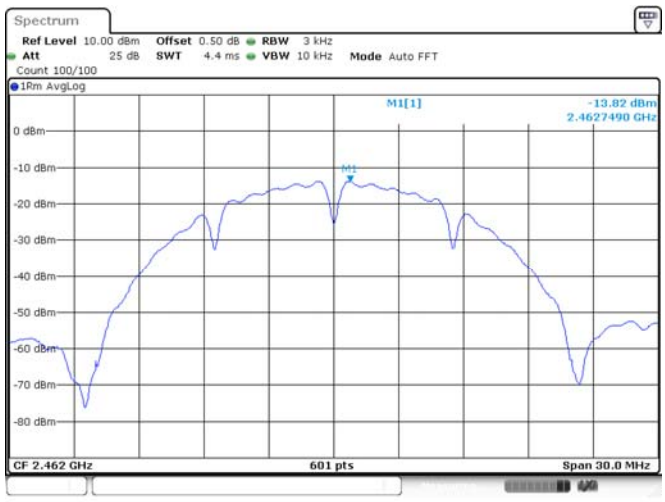
Test plots

ANT0

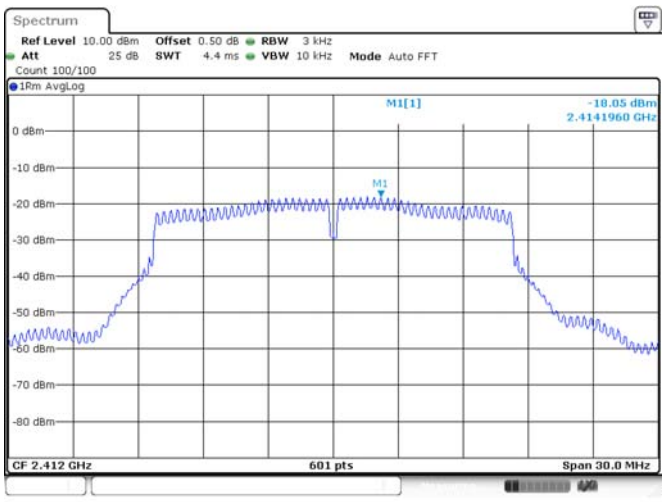
802.11b LOW CHANNEL

802.11b MIDDLE CHANNEL

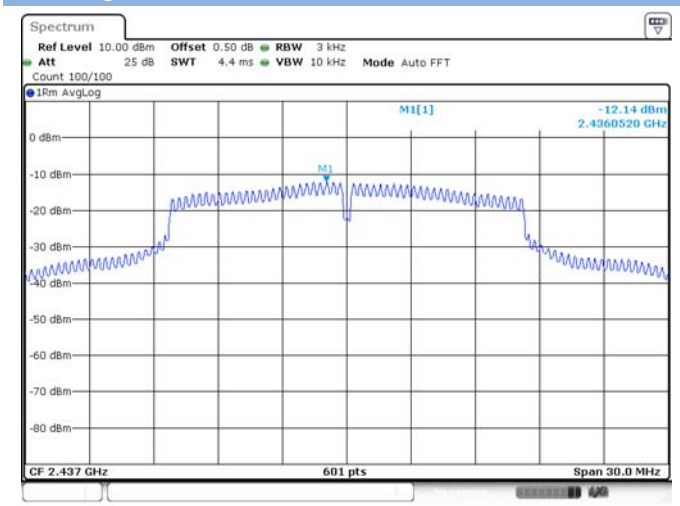
802.11b HIGH CHANNEL



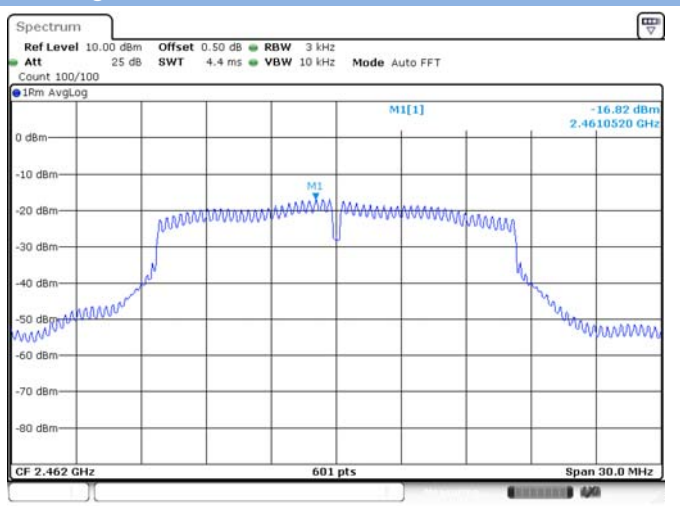
802.11g LOW CHANNEL



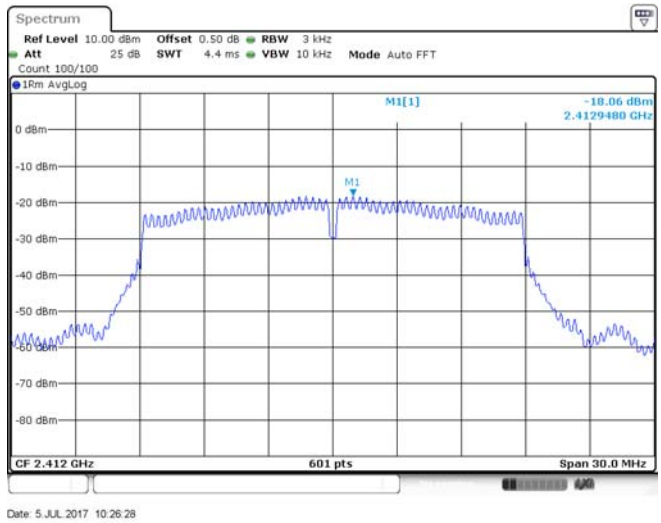
802.11g MIDDLE CHANNEL



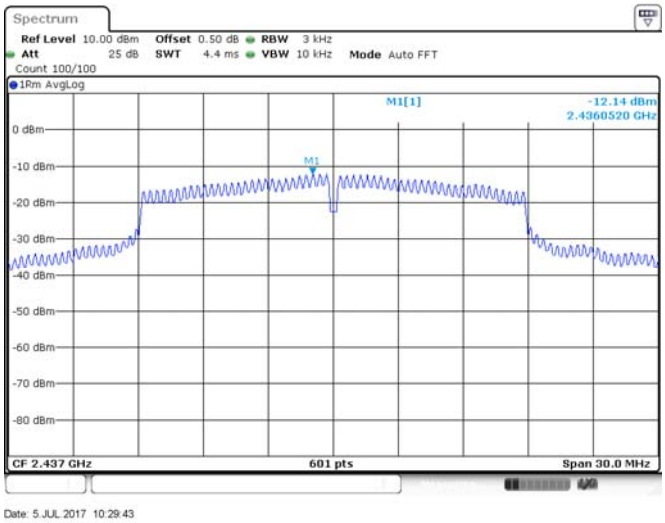
802.11g HIGH CHANNEL



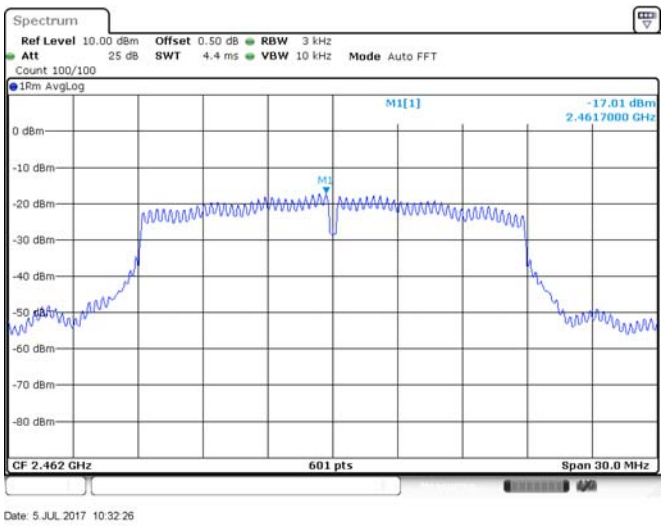
802.11n-20 MHz LOW CHANNEL



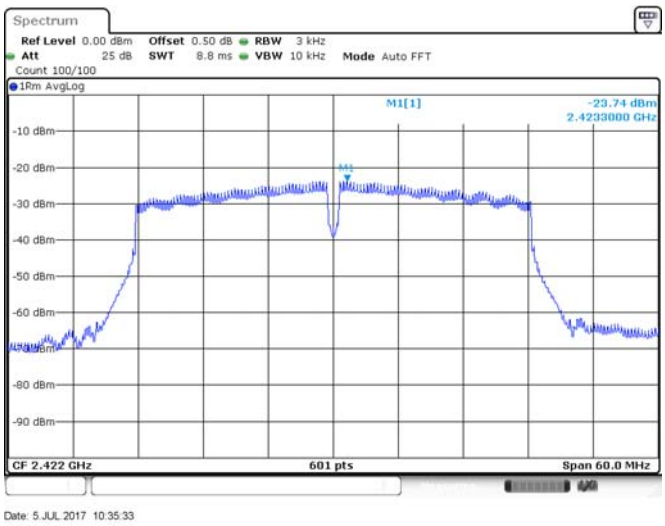
802.11 n-20 MHz MIDDLE CHANNEL



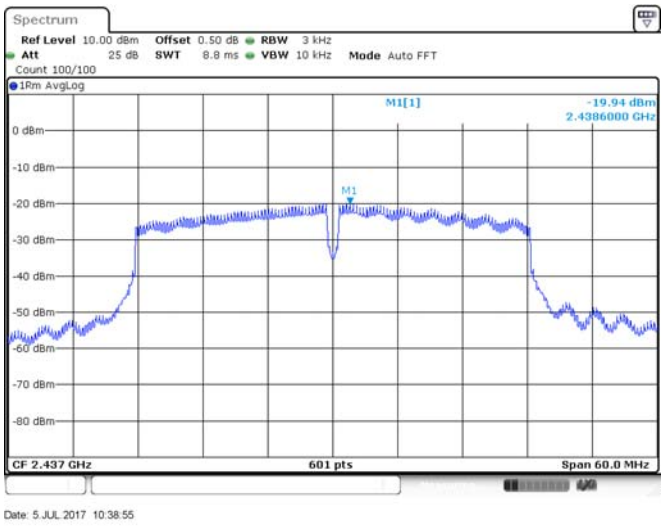
802.11n-20 MHz HIGH CHANNEL



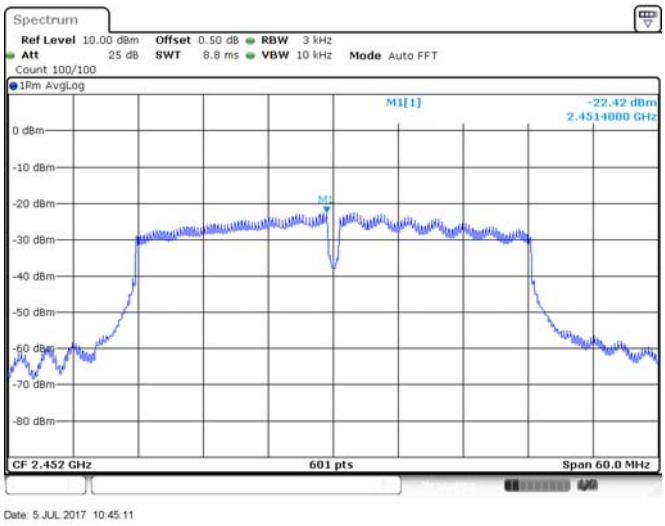
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL

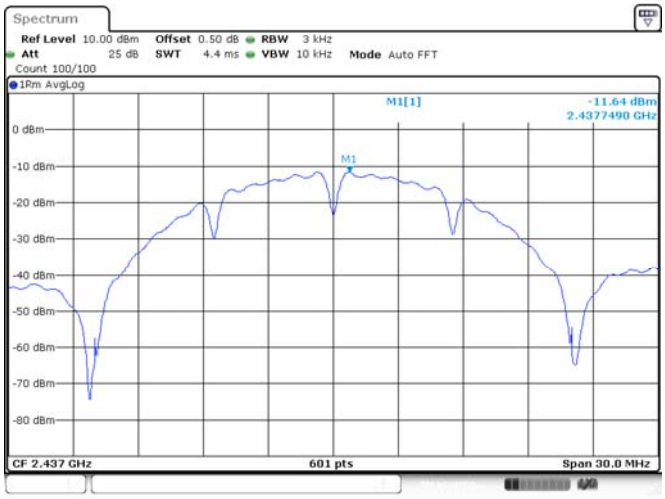


ANT1

802.11b LOW CHANNEL

Date: 5.JUL.2017 10:52:57

802.11b MIDDLE CHANNEL



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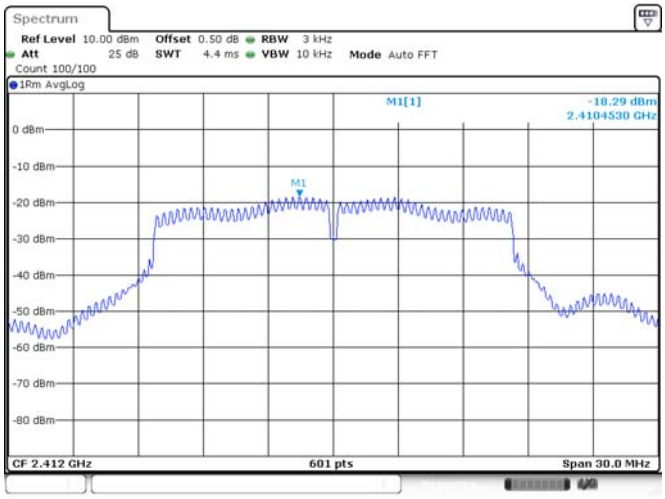
802.11b HIGH CHANNEL

Date: 5.JUL.2017 10:59:20

802.11g LOW CHANNEL



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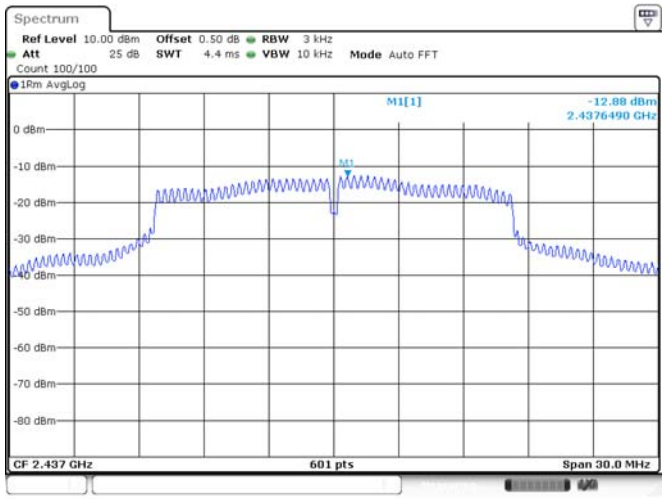
802.11g MIDDLE CHANNEL



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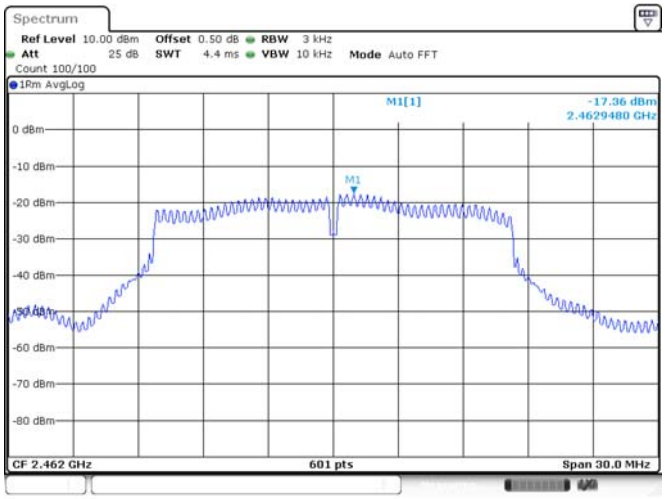
802.11g HIGH CHANNEL



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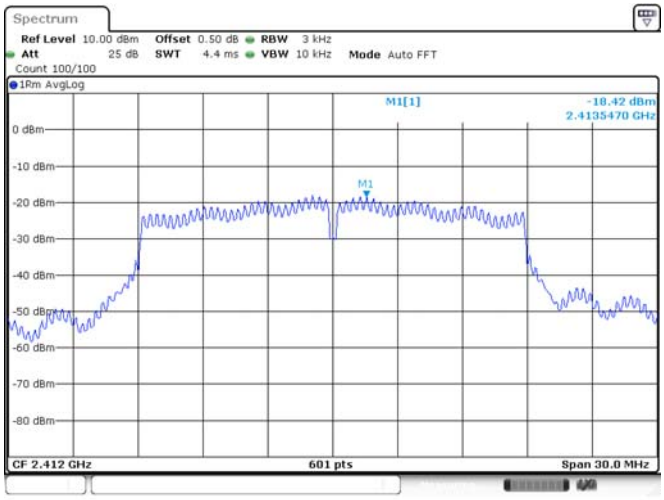
802.11n-20 MHz LOW CHANNEL



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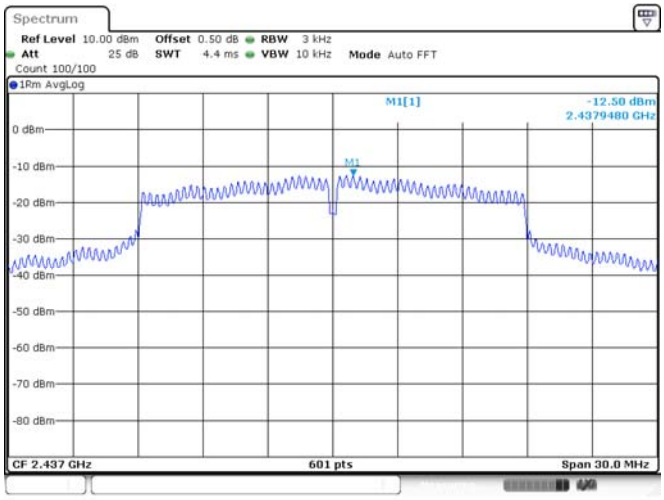
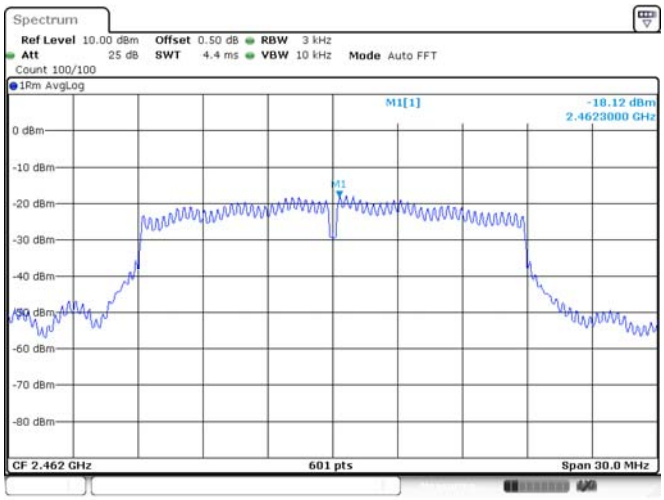
802.11 n-20 MHz MIDDLE CHANNEL



Date: 5.JUL.2017 11:29:45

802.11n-20 MHz HIGH CHANNEL



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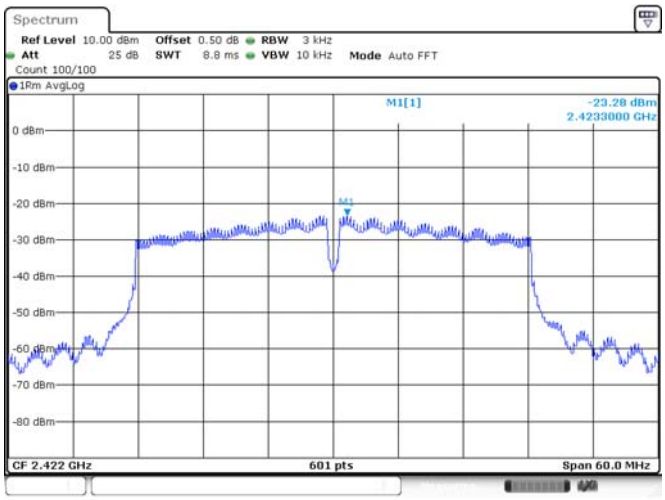
802.11n-40 MHz LOW CHANNEL



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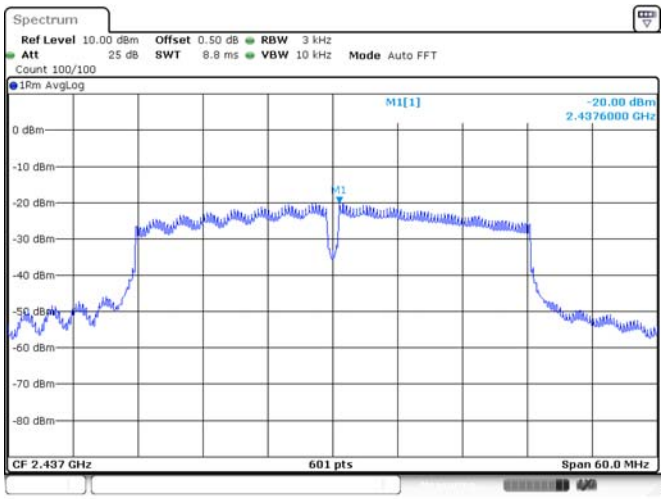
802.11n-40 MHz MIDDLE CHANNEL



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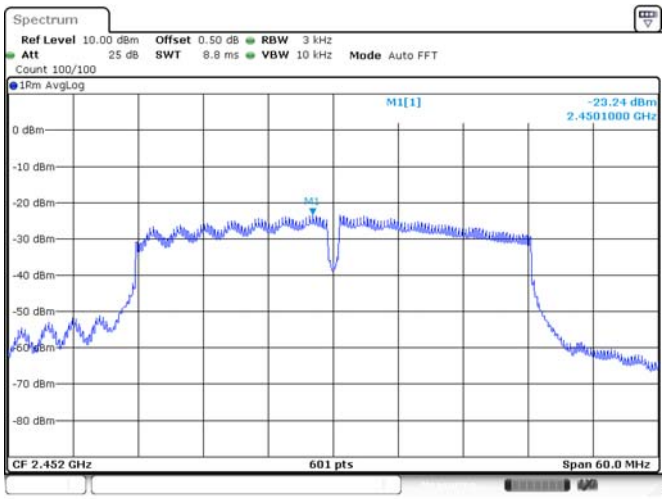
802.11n-40 MHz HIGH CHANNEL



Date: 5.JUL.2017 11:39:47

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ1760138-AR.pdf”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL- SZ1760138-AW.pdf”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL- SZ1760138-AI.pdf”.

--END OF REPORT--