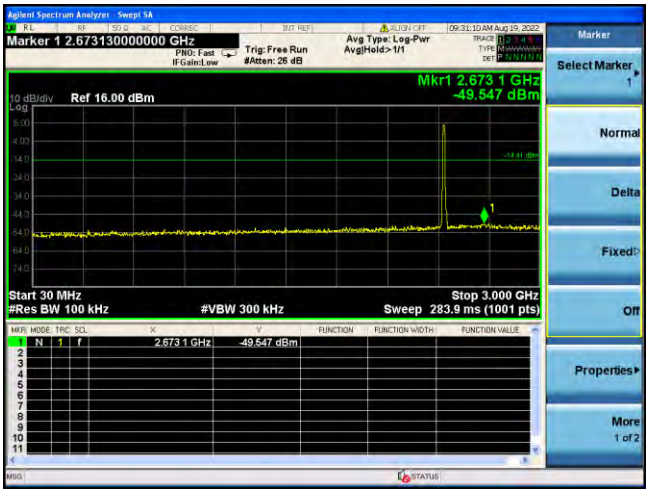
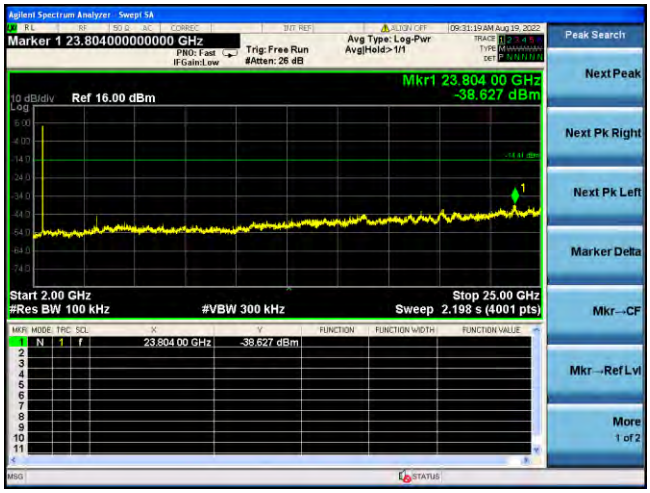
802.11b MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

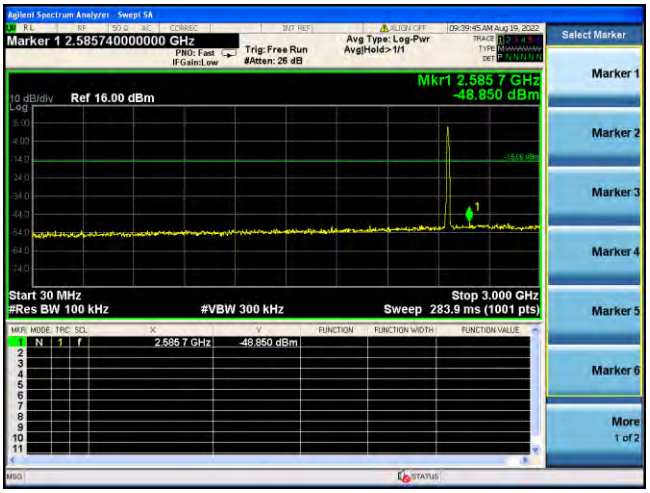


802.11b MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

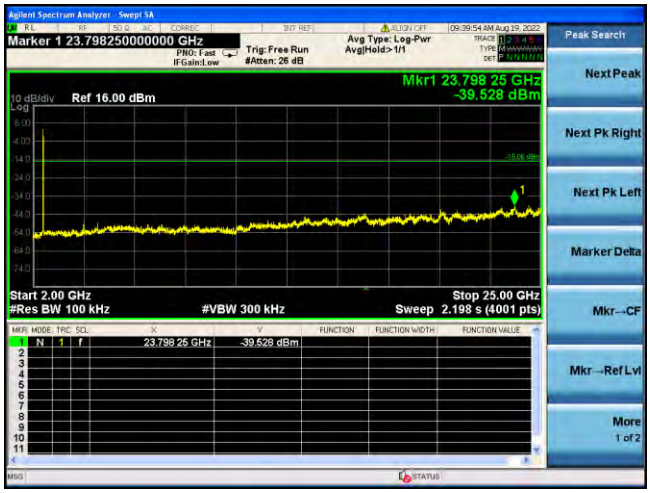


802.11b HIGH CHANNEL CARRIER LEVEL

802.11b HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

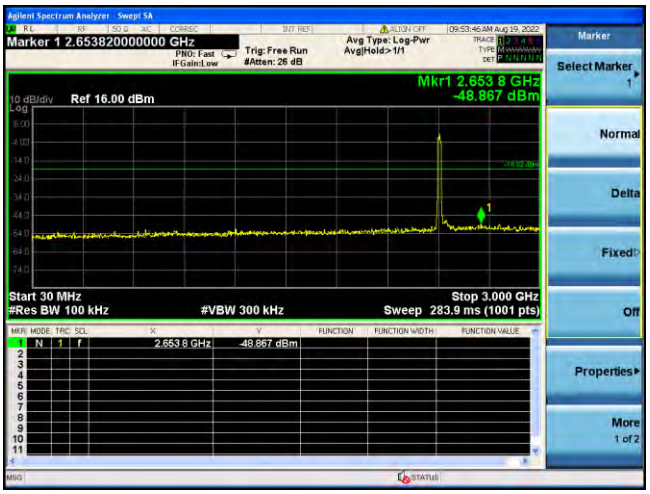


802.11b HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

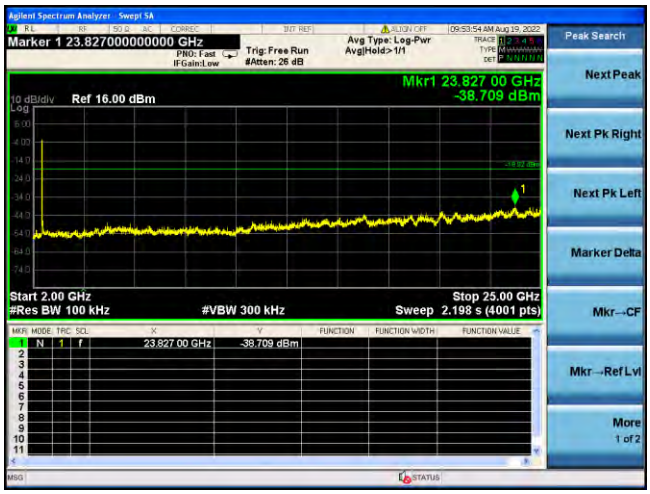


802.11g LOW CHANNEL CARRIER LEVEL

802.11g LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

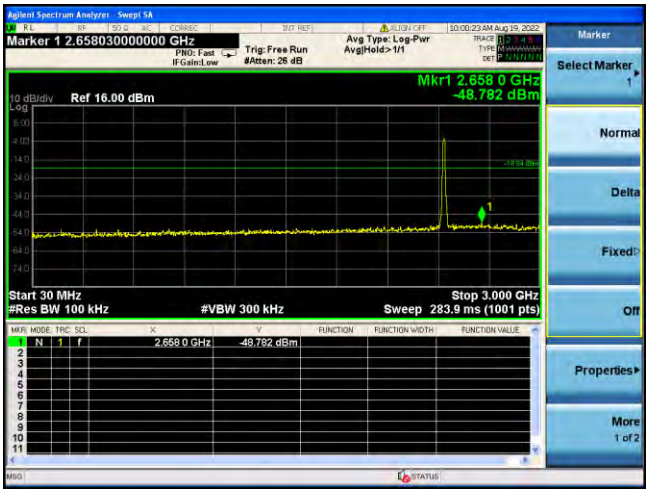


802.11g LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

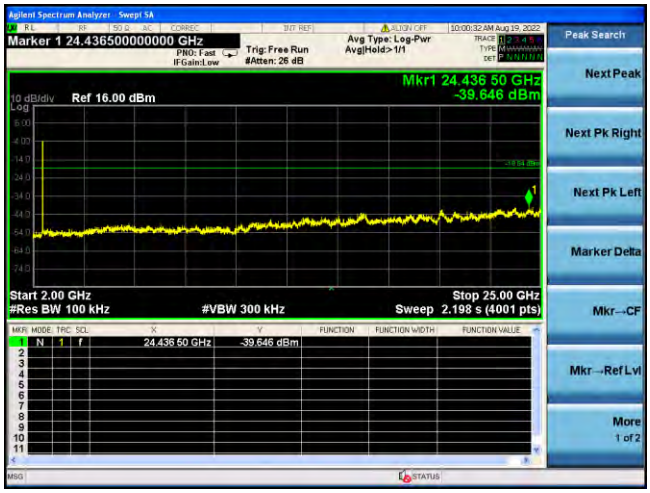


802.11g MIDDLE CHANNEL CARRIER LEVEL

802.11g MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

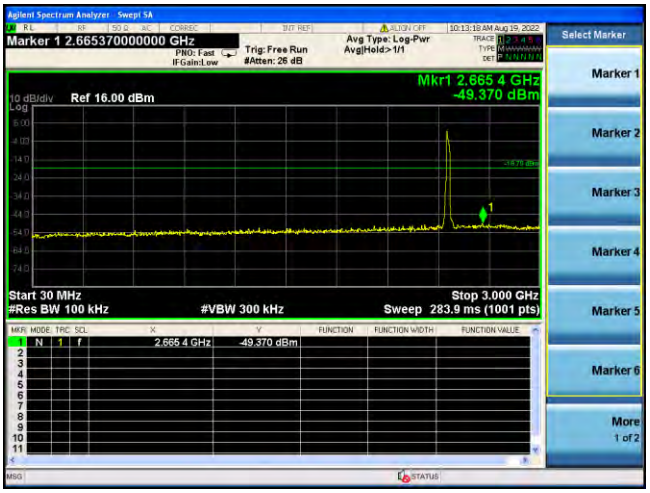


802.11g MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

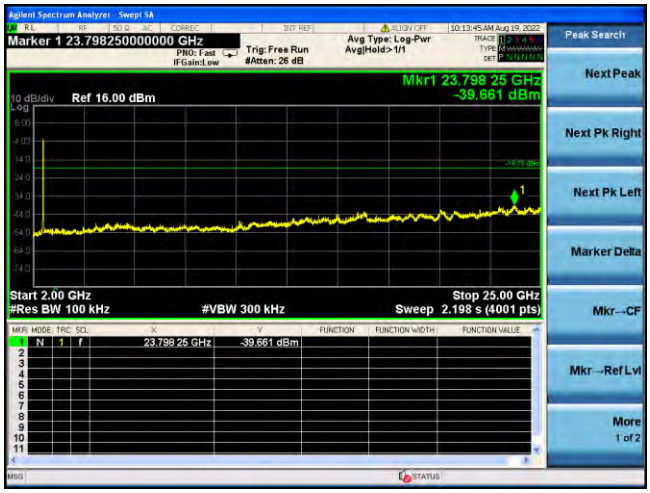


802.11g HIGH CHANNEL CARRIER LEVEL

802.11g HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

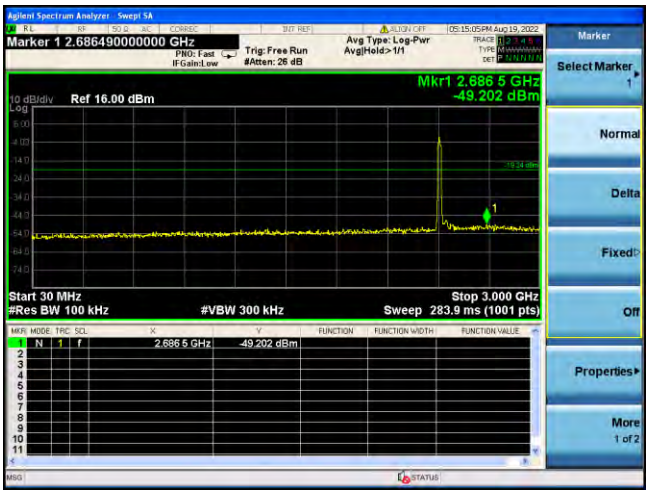


802.11g HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

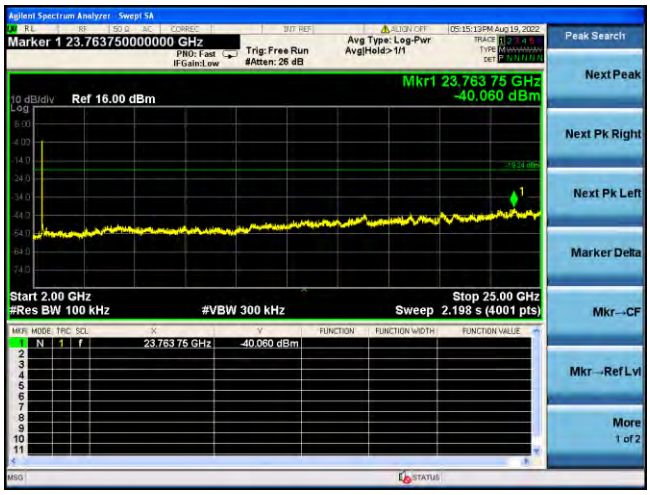


802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

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

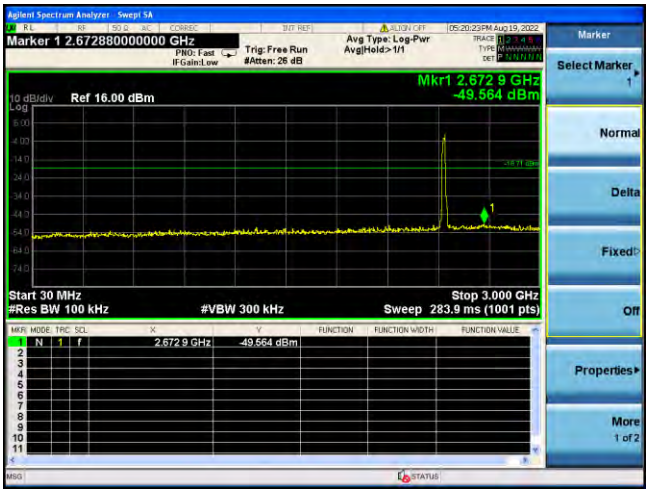


802.11n-20 MHz LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

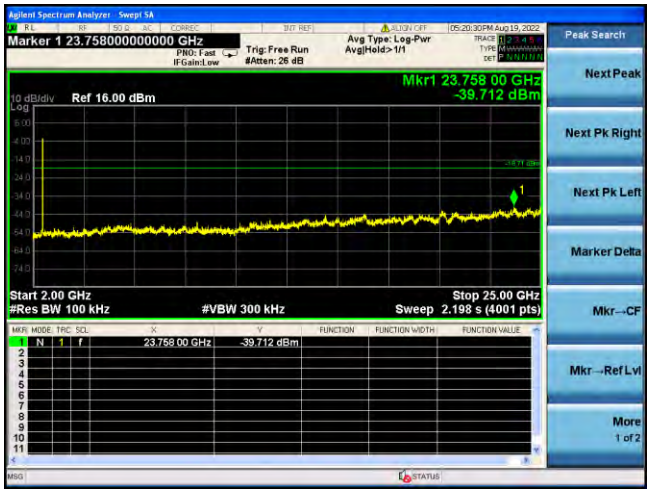


802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL

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

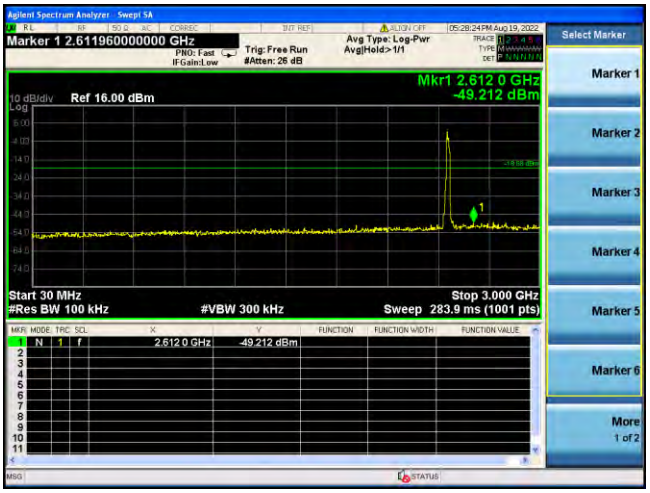


802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

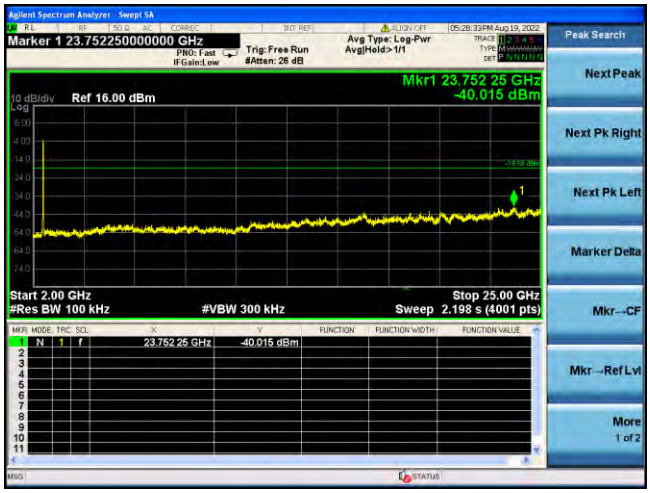


802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL

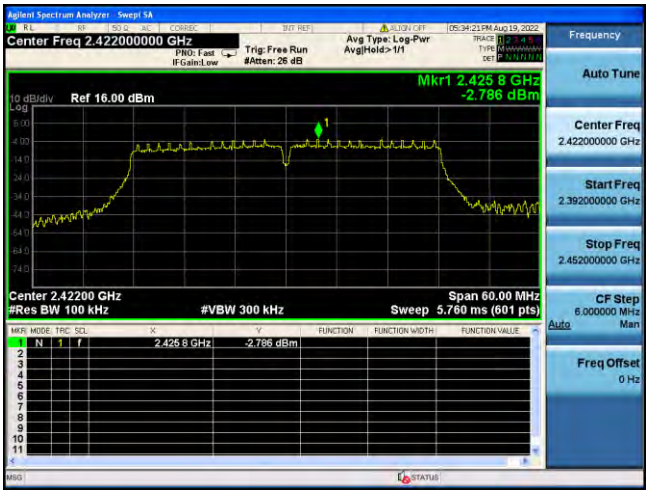
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



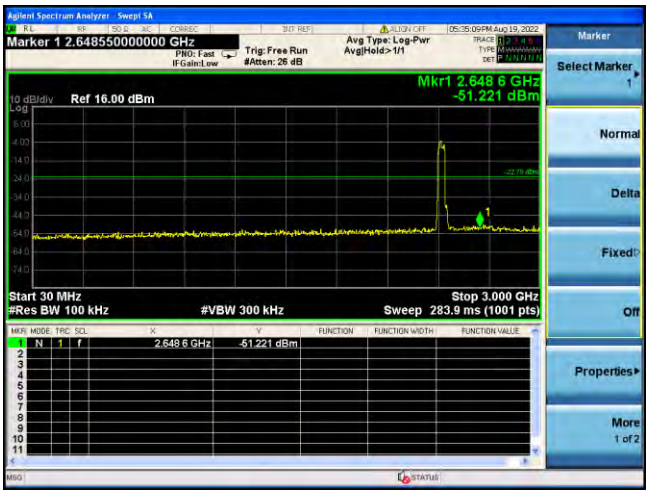
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



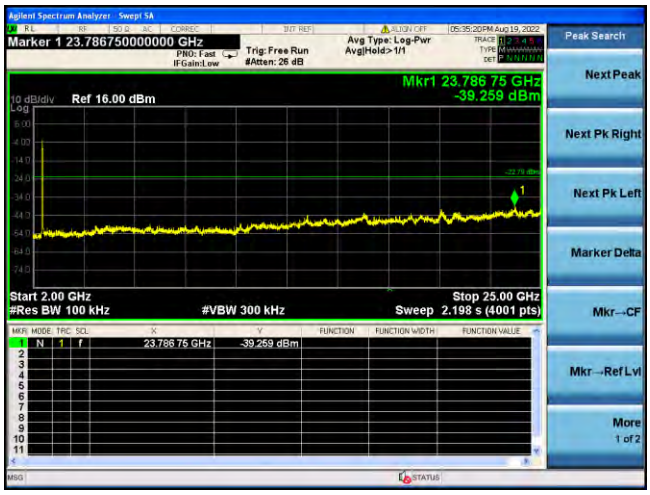
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL



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

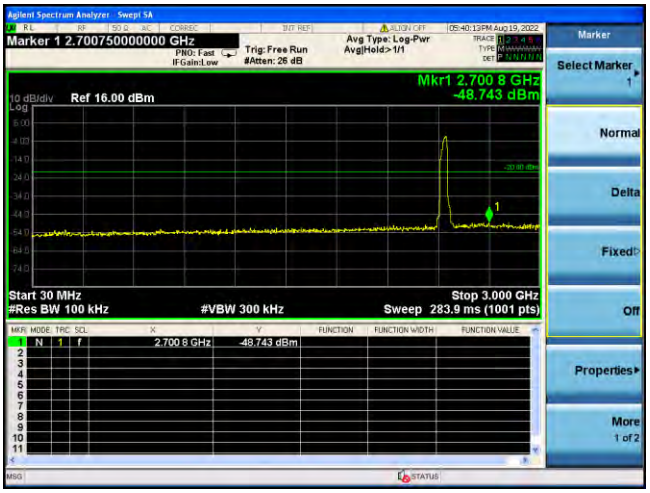


802.11n-40 MHz LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

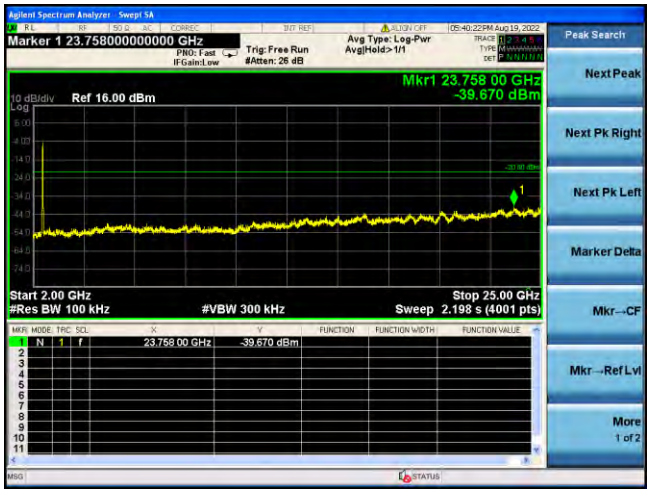


802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL

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

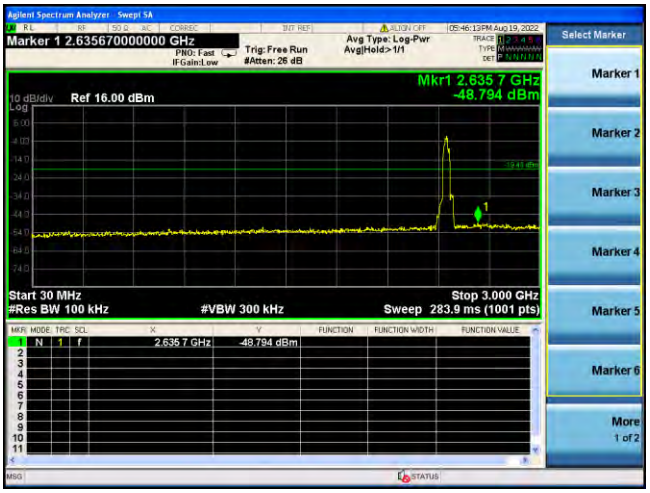


802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



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: 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	-45.05	5.29	-14.71	Pass
High Channel	-39.53	4.94	-15.06	Pass

802.11g Mode：

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-35.72	1.08	-18.92	Pass
High Channel	-46.15	1.21	-18.79	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-35.87	0.76	-19.24	Pass
High Channel	-46.45	1.12	-18.88	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-39.92	-2.79	-22.79	Pass
High Channel	-33.34	0.57	-19.43	Pass

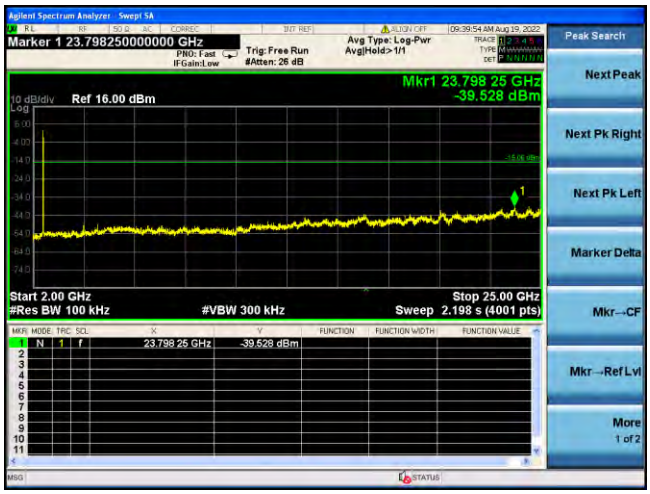
Test Plots

802.11b LOW CHANNEL, CARRIER LEVEL

802.11b LOW CHANNEL, BAND EDGE

802.11b HIGH CHANNEL, CARRIER LEVEL

802.11b HIGH CHANNEL, BAND EDGE

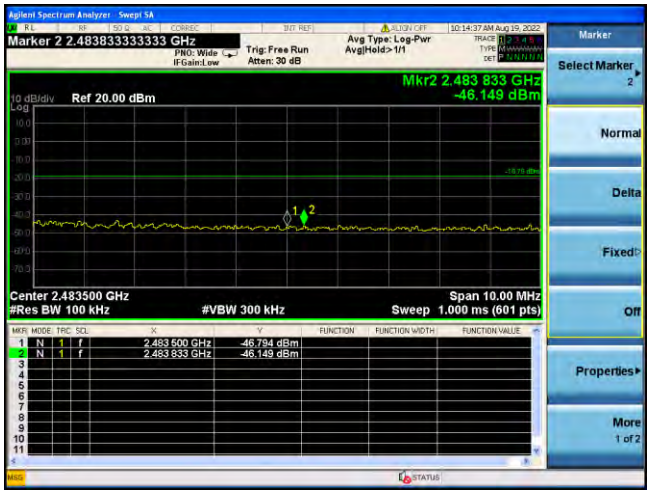


802.11g LOW CHANNEL, CARRIER LEVEL

802.11g LOW CHANNEL, BAND EDGE

802.11g HIGH CHANNEL, CARRIER LEVEL

802.11g HIGH CHANNEL, BAND EDGE

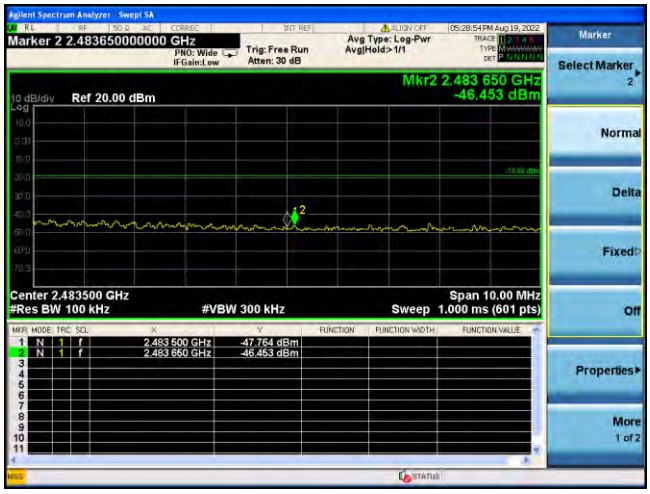


802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL

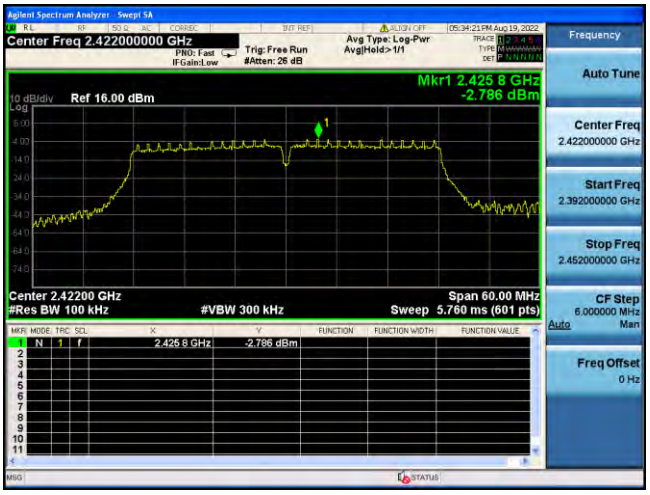
802.11n-20 MHz LOW CHANNEL, BAND EDGE

802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL

802.11n-20 MHz HIGH CHANNEL, BAND EDGE



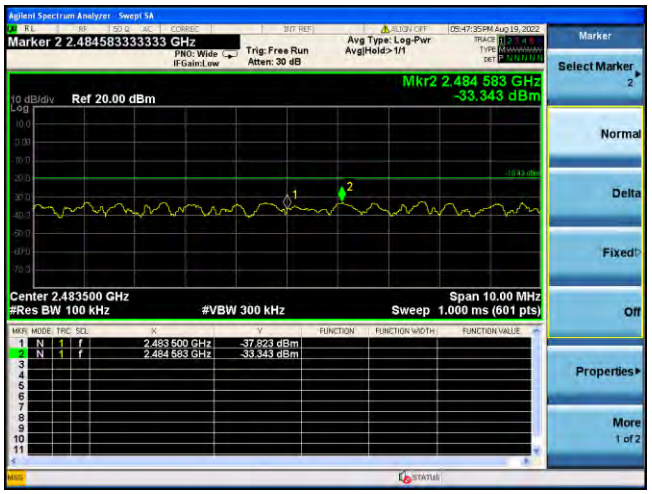
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



802.11n-40 MHz LOW CHANNEL, BAND EDGE

802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL

802.11n-40 MHz HIGH CHANNEL, BAND EDGE



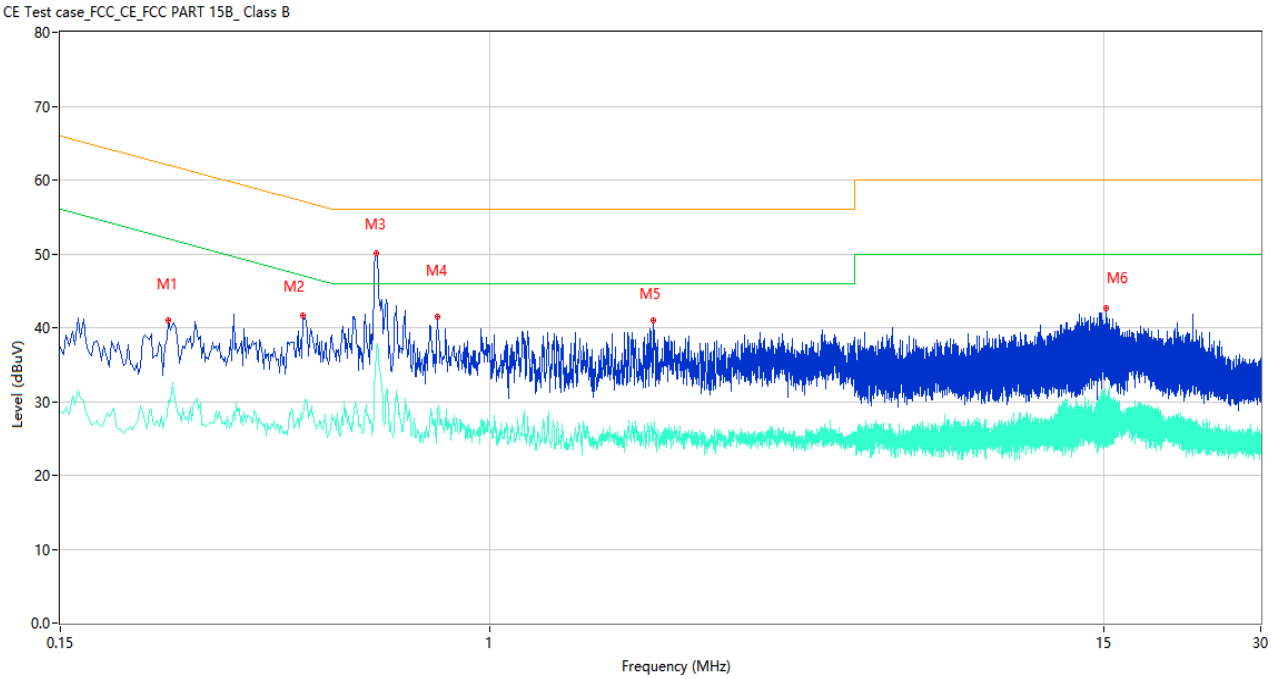
A.5 Conducted Emissions

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.

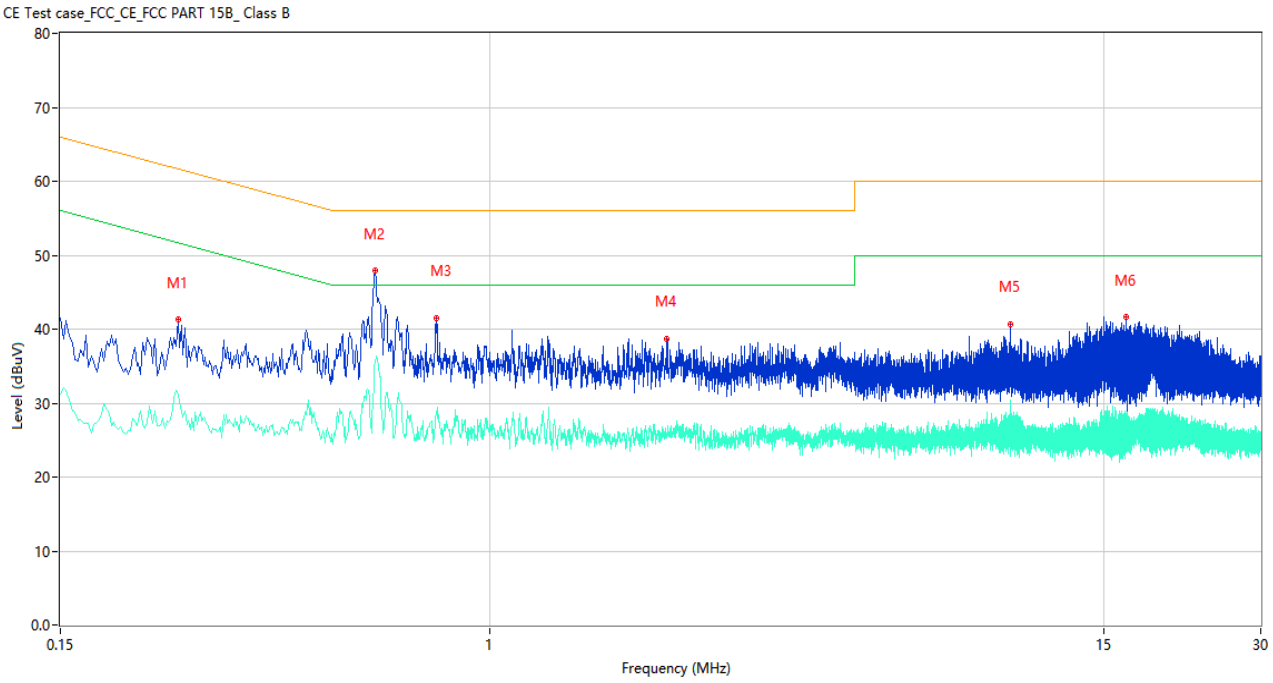
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.242	40.91	10.02	62.03	-21.12	Peak	L	Pass
1**	0.242	30.33	10.02	52.03	-21.70	AV	L	Pass
2	0.438	41.68	10.35	57.10	-15.42	Peak	L	Pass
2**	0.438	28.31	10.35	47.10	-18.79	AV	L	Pass
3	0.606	50.12	10.34	56.00	-5.88	Peak	L	Pass
3**	0.606	37.42	10.34	46.00	-8.58	AV	L	Pass
4	0.792	41.54	10.62	56.00	-14.46	Peak	L	Pass
4**	0.792	27.19	10.62	46.00	-18.81	AV	L	Pass
5	2.058	40.93	10.46	56.00	-15.07	Peak	L	Pass
5**	2.058	25.21	10.46	46.00	-20.79	AV	L	Pass
6	15.136	42.66	10.37	60.00	-17.34	Peak	L	Pass
6**	15.136	24.07	10.37	50.00	-25.93	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.252	41.28	10.01	61.69	-20.41	Peak	N	Pass
1**	0.252	31.20	10.01	51.69	-20.49	AV	N	Pass
2	0.602	47.87	10.34	56.00	-8.13	Peak	N	Pass
2**	0.602	35.56	10.34	46.00	-10.44	AV	N	Pass
3	0.790	41.47	10.60	56.00	-14.53	Peak	N	Pass
3**	0.790	28.53	10.60	46.00	-17.47	AV	N	Pass
4	2.184	38.60	10.14	56.00	-17.40	Peak	N	Pass
4**	2.184	25.70	10.14	46.00	-20.30	AV	N	Pass
5	9.934	40.73	10.50	60.00	-19.27	Peak	N	Pass
5**	9.934	30.45	10.50	50.00	-19.55	AV	N	Pass
6	16.538	41.58	10.54	60.00	-18.42	Peak	N	Pass
6**	16.538	28.53	10.54	50.00	-21.47	AV	N	Pass

A.6 Radiated Emission

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

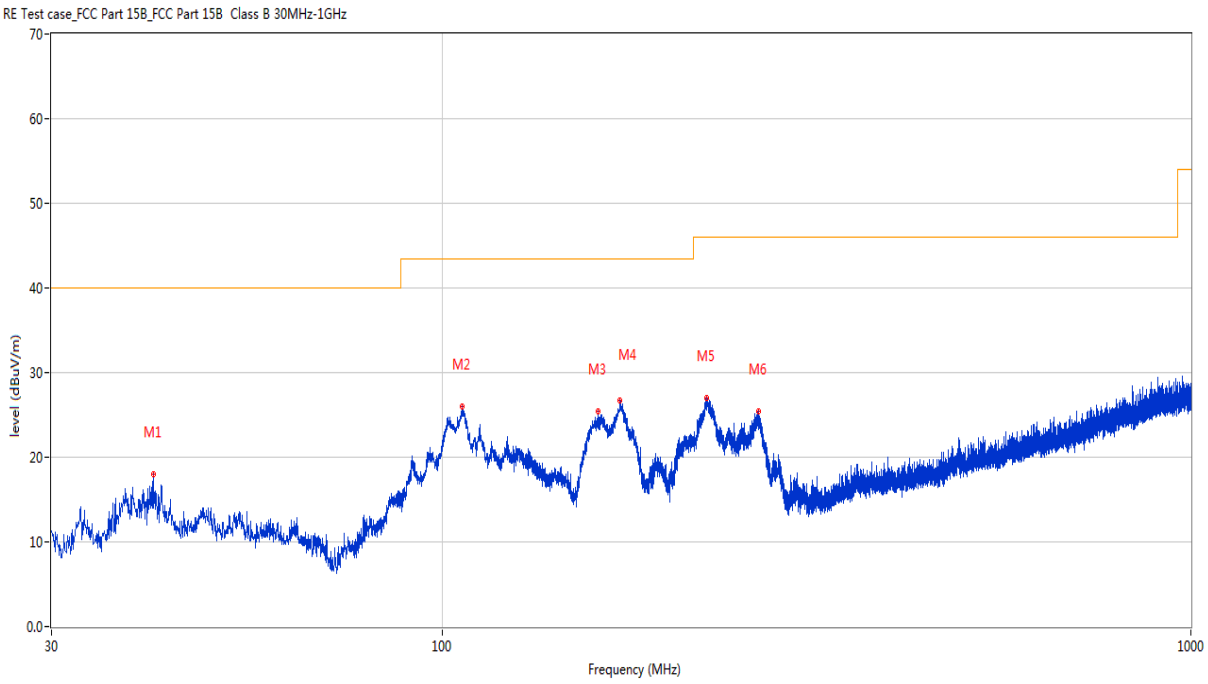
Note [2]: For the test data above 1 GHz，According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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. All modes have been tested and normal link mode is worst.

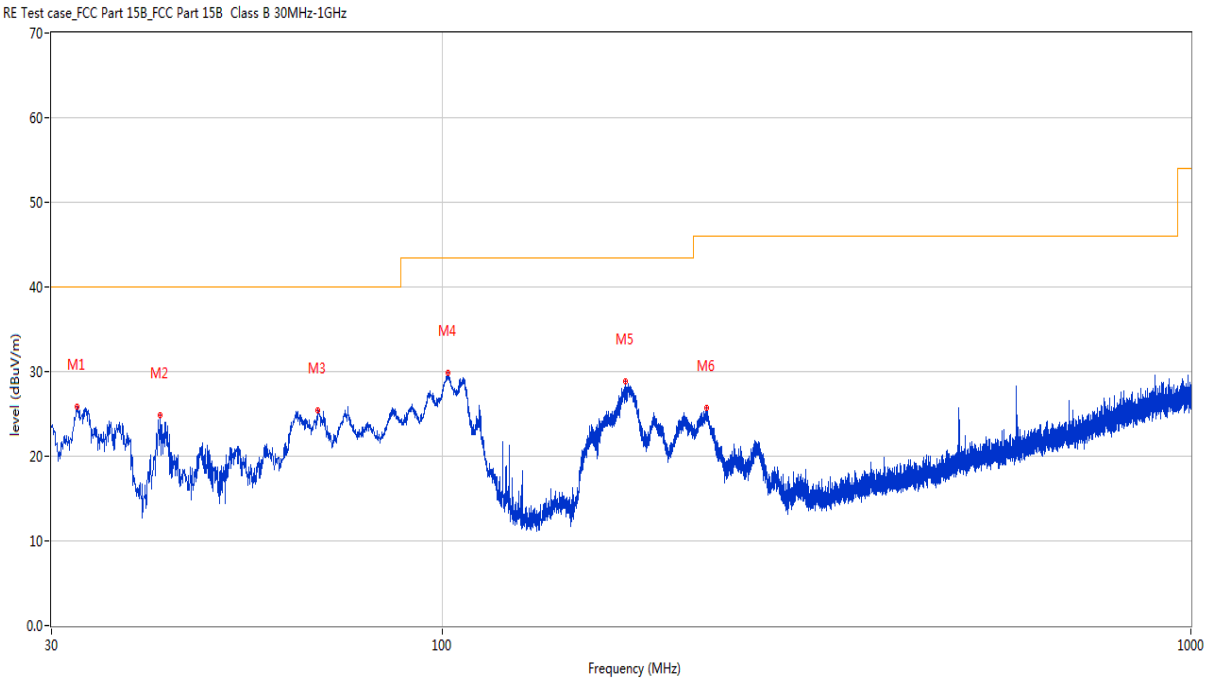
Test Data and Plots

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	41.010	17.99	-23.79	40.0	-22.01	Peak	4.20	100	Horizontal	Pass
2	106.242	25.96	-24.14	43.5	-17.54	Peak	49.30	200	Horizontal	Pass
3	161.241	25.42	-27.20	43.5	-18.08	Peak	74.80	200	Horizontal	Pass
4	172.396	26.66	-26.36	43.5	-16.84	Peak	235.40	200	Horizontal	Pass
5	225.600	27.01	-23.70	46.0	-18.99	Peak	254.50	100	Horizontal	Pass
6	264.595	25.37	-22.16	46.0	-20.63	Peak	263.00	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	32.425	25.85	-26.58	40.0	-14.15	Peak	140.50	100	Vertical	Pass
2	41.883	24.81	-23.50	40.0	-15.19	Peak	353.30	100	Vertical	Pass
3	68.121	25.49	-25.91	40.0	-14.51	Peak	284.20	100	Vertical	Pass
4	101.586	29.86	-24.59	43.5	-13.64	Peak	0.70	100	Vertical	Pass
5	175.645	28.79	-26.42	43.5	-14.71	Peak	110.50	100	Vertical	Pass
6	224.970	25.69	-23.78	46.0	-20.31	Peak	344.80	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.

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.900	38.97	-17.46	74.0	-35.03	Peak	350.00	200	Horizontal	Pass
1**	1527.900	29.17	-17.46	54.0	-24.83	AV	350.00	200	Horizontal	Pass
2	2413.200	102.52	-12.26	74.0	28.52	Peak	139.00	200	Horizontal	N/A
2**	2413.200	99.64	-12.26	54.0	45.64	AV	139.00	200	Horizontal	N/A
3	4824.000	50.73	-3.38	74.0	-23.27	Peak	165.00	150	Horizontal	Pass
3**	4824.000	47.44	-3.38	54.0	-6.56	AV	165.00	150	Horizontal	Pass
4	6606.400	53.70	0.14	74.0	-20.30	Peak	30.00	300	Horizontal	Pass
4**	6606.400	44.78	0.14	54.0	-9.22	AV	30.00	300	Horizontal	Pass
5	11947.588	51.82	1.47	74.0	-22.18	Peak	6.00	100	Horizontal	Pass
5**	11947.588	42.78	1.47	54.0	-11.22	AV	6.00	100	Horizontal	Pass
6	17319.338	52.70	1.34	74.0	-21.30	Peak	0.00	400	Horizontal	Pass
6**	17319.338	46.43	1.34	54.0	-7.57	AV	0.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1387.800	39.43	-17.43	74.0	-34.57	Peak	2.00	300	Vertical	Pass
1**	1387.800	29.75	-17.43	54.0	-24.25	AV	2.00	300	Vertical	Pass
2	2413.200	88.88	-12.26	74.0	14.88	Peak	252.00	100	Vertical	N/A
2**	2413.200	86.14	-12.26	54.0	32.14	AV	252.00	100	Vertical	N/A
3	4836.000	50.69	-3.42	74.0	-23.31	Peak	352.00	100	Vertical	Pass
3**	4836.000	40.91	-3.42	54.0	-13.09	AV	352.00	100	Vertical	Pass
4	6597.800	54.13	-0.70	74.0	-19.87	Peak	110.00	400	Vertical	Pass
4**	6597.800	43.82	-0.70	54.0	-10.18	AV	110.00	400	Vertical	Pass
5	12214.100	51.93	1.15	74.0	-22.07	Peak	255.00	400	Vertical	Pass
5**	12214.100	43.66	1.15	54.0	-10.34	AV	255.00	400	Vertical	Pass
6	17291.776	52.31	1.65	74.0	-21.69	Peak	161.00	100	Vertical	Pass
6**	17291.776	43.44	1.65	54.0	-10.56	AV	161.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1391.100	39.32	-17.49	74.0	-34.68	Peak	43.00	400	Horizontal	Pass
1**	1391.100	29.50	-17.49	54.0	-24.50	AV	43.00	400	Horizontal	Pass
2	2435.800	101.98	-12.79	74.0	27.98	Peak	154.00	150	Horizontal	N/A
2**	2435.800	99.08	-12.79	54.0	45.08	AV	154.00	150	Horizontal	N/A
3	4853.200	50.85	-3.19	74.0	-23.15	Peak	283.00	100	Horizontal	Pass
3**	4853.200	41.12	-3.19	54.0	-12.88	AV	283.00	100	Horizontal	Pass
4	6685.400	53.93	-0.18	74.0	-20.07	Peak	31.00	300	Horizontal	Pass
4**	6685.400	45.13	-0.18	54.0	-8.87	AV	31.00	300	Horizontal	Pass
5	11532.438	52.20	-0.56	74.0	-21.80	Peak	328.00	200	Horizontal	Pass
5**	11532.438	41.57	-0.56	54.0	-12.43	AV	328.00	200	Horizontal	Pass
6	17200.163	52.06	1.88	74.0	-21.94	Peak	59.00	300	Horizontal	Pass
6**	17200.163	43.39	1.88	54.0	-10.61	AV	59.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1504.100	38.73	-17.57	74.0	-35.27	Peak	199.00	400	Vertical	Pass
1**	1504.100	29.13	-17.57	54.0	-24.87	AV	199.00	400	Vertical	Pass
2	2435.800	89.71	-12.79	74.0	15.71	Peak	107.00	200	Vertical	N/A
2**	2435.800	86.79	-12.79	54.0	32.79	AV	107.00	200	Vertical	N/A
3	4890.200	50.89	-3.20	74.0	-23.11	Peak	77.00	150	Vertical	Pass
3**	4890.200	41.37	-3.20	54.0	-12.63	AV	77.00	150	Vertical	Pass
4	6689.800	53.58	-0.27	74.0	-20.42	Peak	304.00	300	Vertical	Pass
4**	6689.800	45.30	-0.27	54.0	-8.70	AV	304.00	300	Vertical	Pass
5	12228.475	52.27	1.31	74.0	-21.73	Peak	9.00	200	Vertical	Pass
5**	12228.475	42.63	1.31	54.0	-11.37	AV	9.00	200	Vertical	Pass
6	17192.286	52.36	2.27	74.0	-21.64	Peak	19.00	300	Vertical	Pass
6**	17192.286	44.43	2.27	54.0	-9.57	AV	19.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1355.000	38.98	-17.37	74.0	-35.02	Peak	118.00	300	Horizontal	Pass
1**	1355.000	29.41	-17.37	54.0	-24.59	AV	118.00	300	Horizontal	Pass
2	2463.300	99.36	-12.79	74.0	25.36	Peak	141.00	200	Horizontal	N/A
2**	2463.300	96.48	-12.79	54.0	42.48	AV	141.00	200	Horizontal	N/A
3	4802.200	50.75	-2.61	74.0	-23.25	Peak	76.00	100	Horizontal	Pass
3**	4802.200	41.43	-2.61	54.0	-12.57	AV	76.00	100	Horizontal	Pass
4	6410.400	53.65	-0.73	74.0	-20.35	Peak	30.00	400	Horizontal	Pass
4**	6410.400	43.31	-0.73	54.0	-10.69	AV	30.00	400	Horizontal	Pass
5	10925.525	52.54	0.15	74.0	-21.46	Peak	347.00	200	Horizontal	Pass
5**	10925.525	42.78	0.15	54.0	-11.22	AV	347.00	200	Horizontal	Pass
6	17205.938	53.03	1.61	74.0	-20.97	Peak	153.00	150	Horizontal	Pass
6**	17205.938	45.27	1.61	54.0	-8.73	AV	153.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1355.000	38.98	-17.37	74.0	-35.02	Peak	118.00	300	Horizontal	Pass
1**	1355.000	29.41	-17.37	54.0	-24.59	AV	118.00	300	Horizontal	Pass
2	2463.300	99.36	-12.79	74.0	25.36	Peak	141.00	200	Horizontal	N/A
2**	2463.300	96.48	-12.79	54.0	42.48	AV	141.00	200	Horizontal	N/A
3	4802.200	50.75	-2.61	74.0	-23.25	Peak	76.00	100	Horizontal	Pass
3**	4802.200	41.43	-2.61	54.0	-12.57	AV	76.00	100	Horizontal	Pass
4	6410.400	53.65	-0.73	74.0	-20.35	Peak	30.00	400	Horizontal	Pass
4**	6410.400	43.31	-0.73	54.0	-10.69	AV	30.00	400	Horizontal	Pass
5	10925.525	52.54	0.15	74.0	-21.46	Peak	347.00	200	Horizontal	Pass
5**	10925.525	42.78	0.15	54.0	-11.22	AV	347.00	200	Horizontal	Pass
6	17205.938	53.03	1.61	74.0	-20.97	Peak	153.00	150	Horizontal	Pass
6**	17205.938	45.27	1.61	54.0	-8.73	AV	153.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1415.700	39.55	-17.56	74.0	-34.45	Peak	304.00	100	Horizontal	Pass
1**	1415.700	29.09	-17.56	54.0	-24.91	AV	304.00	100	Horizontal	Pass
2	2414.700	102.87	-12.26	74.0	28.87	Peak	136.00	100	Horizontal	N/A
2**	2414.700	95.30	-12.26	54.0	41.30	AV	136.00	100	Horizontal	N/A
3	4799.800	51.14	-2.55	74.0	-22.86	Peak	99.00	200	Horizontal	Pass
3**	4799.800	41.79	-2.55	54.0	-12.21	AV	99.00	200	Horizontal	Pass
4	6396.400	53.36	-1.37	74.0	-20.64	Peak	139.00	400	Horizontal	Pass
4**	6396.400	44.41	-1.37	54.0	-9.59	AV	139.00	400	Horizontal	Pass
5	12231.349	52.28	1.26	74.0	-21.72	Peak	89.00	100	Horizontal	Pass
5**	12231.349	43.16	1.26	54.0	-10.84	AV	89.00	100	Horizontal	Pass
6	17298.338	52.11	1.57	74.0	-21.89	Peak	25.00	200	Horizontal	Pass
6**	17298.338	43.35	1.57	54.0	-10.65	AV	25.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1568.400	39.52	-17.51	74.0	-34.48	Peak	186.00	400	Vertical	Pass
1**	1568.400	29.43	-17.51	54.0	-24.57	AV	186.00	400	Vertical	Pass
2	2413.700	89.22	-12.26	74.0	15.22	Peak	255.00	150	Vertical	N/A
2**	2413.700	82.28	-12.26	54.0	28.28	AV	255.00	150	Vertical	N/A
3	4907.000	50.42	-2.56	74.0	-23.58	Peak	360.00	200	Vertical	Pass
3**	4907.000	41.72	-2.56	54.0	-12.28	AV	360.00	200	Vertical	Pass
4	6981.800	54.08	0.76	74.0	-19.92	Peak	54.00	200	Vertical	Pass
4**	6981.800	44.24	0.76	54.0	-9.76	AV	54.00	200	Vertical	Pass
5	11314.513	51.99	0.45	74.0	-22.01	Peak	0.00	200	Vertical	Pass
5**	11314.513	42.25	0.45	54.0	-11.75	AV	0.00	200	Vertical	Pass
6	15848.025	52.37	1.35	74.0	-21.63	Peak	100.00	300	Vertical	Pass
6**	15848.025	44.10	1.35	54.0	-9.90	AV	100.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.500	38.85	-17.51	74.0	-35.15	Peak	255.00	400	Horizontal	Pass
1**	1336.500	29.96	-17.51	54.0	-24.04	AV	255.00	400	Horizontal	Pass
2	2434.900	102.25	-12.84	74.0	28.25	Peak	162.00	150	Horizontal	N/A
2**	2434.900	95.10	-12.84	54.0	41.10	AV	162.00	150	Horizontal	N/A
3	4827.600	50.88	-3.40	74.0	-23.12	Peak	60.00	200	Horizontal	Pass
3**	4827.600	41.35	-3.40	54.0	-12.65	AV	60.00	200	Horizontal	Pass
4	6790.400	53.58	-0.65	74.0	-20.42	Peak	247.00	300	Horizontal	Pass
4**	6790.400	43.18	-0.65	54.0	-10.82	AV	247.00	300	Horizontal	Pass
5	10929.549	51.96	0.09	74.0	-22.04	Peak	0.00	200	Horizontal	Pass
5**	10929.549	42.78	0.09	54.0	-11.22	AV	0.00	200	Horizontal	Pass
6	17208.824	52.31	1.52	74.0	-21.69	Peak	0.00	100	Horizontal	Pass
6**	17208.824	44.40	1.52	54.0	-9.60	AV	0.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1423.300	39.14	-17.42	74.0	-34.86	Peak	0.00	200	Vertical	Pass
1**	1423.300	29.46	-17.42	54.0	-24.54	AV	0.00	200	Vertical	Pass
2	2435.800	89.34	-12.79	74.0	15.34	Peak	111.00	100	Vertical	N/A
2**	2435.800	82.26	-12.79	54.0	28.26	AV	111.00	100	Vertical	N/A
3	4910.200	50.63	-2.45	74.0	-23.37	Peak	142.00	200	Vertical	Pass
3**	4910.200	41.26	-2.45	54.0	-12.74	AV	142.00	200	Vertical	Pass
4	6684.800	53.67	-0.23	74.0	-20.33	Peak	129.00	150	Vertical	Pass
4**	6684.800	45.11	-0.23	54.0	-8.89	AV	129.00	150	Vertical	Pass
5	12225.025	52.23	1.31	74.0	-21.77	Peak	323.00	400	Vertical	Pass
5**	12225.025	43.60	1.31	54.0	-10.40	AV	323.00	400	Vertical	Pass
6	17211.449	52.39	1.46	74.0	-21.61	Peak	109.00	200	Vertical	Pass
6**	17211.449	44.66	1.46	54.0	-9.34	AV	109.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.700	38.92	-17.51	74.0	-35.08	Peak	273.00	100	Horizontal	Pass
1**	1492.700	29.26	-17.51	54.0	-24.74	AV	273.00	100	Horizontal	Pass
2	2466.000	100.62	-12.70	74.0	26.62	Peak	165.00	200	Horizontal	N/A
2**	2466.000	93.40	-12.70	54.0	39.40	AV	165.00	200	Horizontal	N/A
3	4914.400	50.73	-2.31	74.0	-23.27	Peak	254.00	150	Horizontal	Pass
3**	4914.400	41.91	-2.31	54.0	-12.09	AV	254.00	150	Horizontal	Pass
4	6685.800	53.87	-0.19	74.0	-20.13	Peak	305.00	100	Horizontal	Pass
4**	6685.800	44.81	-0.19	54.0	-9.19	AV	305.00	100	Horizontal	Pass
5	12216.112	51.87	1.19	74.0	-22.13	Peak	149.00	400	Horizontal	Pass
5**	12216.112	42.59	1.19	54.0	-11.41	AV	149.00	400	Horizontal	Pass
6	17308.574	52.12	1.42	74.0	-21.88	Peak	360.00	200	Horizontal	Pass
6**	17308.574	45.46	1.42	54.0	-8.54	AV	360.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1430.200	38.69	-17.29	74.0	-35.31	Peak	203.00	100	Vertical	Pass
1**	1430.200	29.55	-17.29	54.0	-24.45	AV	203.00	100	Vertical	Pass
2	2465.700	88.41	-12.71	74.0	14.41	Peak	320.00	100	Vertical	N/A
2**	2465.700	81.13	-12.71	54.0	27.13	AV	320.00	100	Vertical	N/A
3	4891.400	50.78	-3.25	74.0	-23.22	Peak	6.00	100	Vertical	Pass
3**	4891.400	41.44	-3.25	54.0	-12.56	AV	6.00	100	Vertical	Pass
4	6678.600	53.63	-0.55	74.0	-20.37	Peak	17.00	300	Vertical	Pass
4**	6678.600	45.09	-0.55	54.0	-8.91	AV	17.00	300	Vertical	Pass
5	12219.275	52.11	1.22	74.0	-21.89	Peak	168.00	300	Vertical	Pass
5**	12219.275	43.13	1.22	54.0	-10.87	AV	168.00	300	Vertical	Pass
6	17290.988	53.01	1.66	74.0	-20.99	Peak	147.00	400	Vertical	Pass
6**	17290.988	44.25	1.66	54.0	-9.75	AV	147.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1422.100	38.75	-17.41	74.0	-35.25	Peak	275.00	300	Horizontal	Pass
1**	1422.100	29.43	-17.41	54.0	-24.57	AV	275.00	300	Horizontal	Pass
2	2416.500	102.12	-12.29	74.0	28.12	Peak	143.00	200	Horizontal	N/A
2**	2416.500	93.90	-12.29	54.0	39.90	AV	143.00	200	Horizontal	N/A
3	4909.200	50.76	-2.34	74.0	-23.24	Peak	360.00	200	Horizontal	Pass
3**	4909.200	42.04	-2.34	54.0	-11.96	AV	360.00	200	Horizontal	Pass
4	6677.800	54.40	0.07	74.0	-19.60	Peak	80.00	400	Horizontal	Pass
4**	6677.800	45.16	0.07	54.0	-8.84	AV	80.00	400	Horizontal	Pass
5	10359.151	53.34	0.70	74.0	-20.66	Peak	39.00	400	Horizontal	Pass
5**	10359.151	43.97	0.70	54.0	-10.03	AV	39.00	400	Horizontal	Pass
6	16091.099	51.92	1.89	74.0	-22.08	Peak	274.00	200	Horizontal	Pass
6**	16091.099	42.45	1.89	54.0	-11.55	AV	274.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1411.100	39.09	-17.53	74.0	-34.91	Peak	282.00	100	Vertical	Pass
1**	1411.100	29.93	-17.53	54.0	-24.07	AV	282.00	100	Vertical	Pass
2	2410.800	88.41	-12.08	74.0	14.41	Peak	257.00	200	Vertical	N/A
2**	2410.800	81.15	-12.08	54.0	27.15	AV	257.00	200	Vertical	N/A
3	4907.800	50.83	-2.40	74.0	-23.17	Peak	84.00	100	Vertical	Pass
3**	4907.800	41.63	-2.40	54.0	-12.37	AV	84.00	100	Vertical	Pass
4	6266.800	53.50	-0.21	74.0	-20.50	Peak	234.00	150	Vertical	Pass
4**	6266.800	45.13	-0.21	54.0	-8.87	AV	234.00	150	Vertical	Pass
5	10417.225	52.39	0.60	74.0	-21.61	Peak	218.00	400	Vertical	Pass
5**	10417.225	42.64	0.60	54.0	-11.36	AV	218.00	400	Vertical	Pass
6	17203.313	51.68	2.40	74.0	-22.32	Peak	332.00	300	Vertical	Pass
6**	17203.313	43.81	2.40	54.0	-10.19	AV	332.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1284.900	39.23	-17.55	74.0	-34.77	Peak	162.00	400	Horizontal	Pass
1**	1284.900	30.32	-17.55	54.0	-23.68	AV	162.00	400	Horizontal	Pass
2	2433.600	103.20	-12.71	74.0	29.20	Peak	145.00	150	Horizontal	N/A
2**	2433.600	94.81	-12.71	54.0	40.81	AV	145.00	150	Horizontal	N/A
3	4880.400	50.98	-3.24	74.0	-23.02	Peak	158.00	100	Horizontal	Pass
3**	4880.400	41.18	-3.24	54.0	-12.82	AV	158.00	100	Horizontal	Pass
4	6599.600	54.30	0.10	74.0	-19.70	Peak	239.00	300	Horizontal	Pass
4**	6599.600	44.40	0.10	54.0	-9.60	AV	239.00	300	Horizontal	Pass
5	10413.200	52.41	0.53	74.0	-21.59	Peak	326.00	100	Horizontal	Pass
5**	10413.200	42.12	0.53	54.0	-11.88	AV	326.00	100	Horizontal	Pass
6	17198.062	52.58	2.63	74.0	-21.42	Peak	247.00	300	Horizontal	Pass
6**	17198.062	44.57	2.63	54.0	-9.43	AV	247.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1520.000	38.81	-17.64	74.0	-35.19	Peak	346.00	200	Vertical	Pass
1**	1520.000	30.67	-17.64	54.0	-23.33	AV	346.00	200	Vertical	Pass
2	2435.700	89.70	-12.71	74.0	15.70	Peak	140.00	100	Vertical	N/A
2**	2435.700	82.41	-12.71	54.0	28.41	AV	140.00	100	Vertical	N/A
3	4799.800	50.59	-2.57	74.0	-23.41	Peak	7.00	200	Vertical	Pass
3**	4799.800	41.85	-2.57	54.0	-12.15	AV	7.00	200	Vertical	Pass
4	6681.000	54.69	0.02	74.0	-19.31	Peak	69.00	400	Vertical	Pass
4**	6681.000	45.37	0.02	54.0	-8.63	AV	69.00	400	Vertical	Pass
5	10455.750	52.60	-0.29	74.0	-21.40	Peak	59.00	100	Vertical	Pass
5**	10455.750	42.81	-0.29	54.0	-11.19	AV	59.00	100	Vertical	Pass
6	17289.677	51.85	2.56	74.0	-22.15	Peak	257.00	100	Vertical	Pass
6**	17289.677	43.95	2.56	54.0	-10.05	AV	257.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1464.300	38.72	-17.55	74.0	-35.28	Peak	0.00	400	Horizontal	Pass
1**	1464.300	29.50	-17.55	54.0	-24.50	AV	0.00	400	Horizontal	Pass
2	2467.600	101.19	-12.75	74.0	27.19	Peak	171.00	150	Horizontal	N/A
2**	2467.600	93.69	-12.75	54.0	39.69	AV	171.00	150	Horizontal	N/A
3	4053.800	49.99	-4.81	74.0	-24.01	Peak	360.00	150	Horizontal	Pass
3**	4053.800	38.74	-4.81	54.0	-15.26	AV	360.00	150	Horizontal	Pass
4	6685.000	53.76	-0.08	74.0	-20.24	Peak	203.00	200	Horizontal	Pass
4**	6685.000	45.17	-0.08	54.0	-8.83	AV	203.00	200	Horizontal	Pass
5	10850.201	52.23	0.87	74.0	-21.77	Peak	268.00	400	Horizontal	Pass
5**	10850.201	42.32	0.87	54.0	-11.68	AV	268.00	400	Horizontal	Pass
6	17196.751	52.57	2.71	74.0	-21.43	Peak	295.00	200	Horizontal	Pass
6**	17196.751	43.31	2.71	54.0	-10.69	AV	295.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.000	39.26	-17.47	74.0	-34.74	Peak	263.00	300	Vertical	Pass
1**	1497.000	30.00	-17.47	54.0	-24.00	AV	263.00	300	Vertical	Pass
2	2463.200	88.66	-12.74	74.0	14.66	Peak	69.00	200	Vertical	N/A
2**	2463.200	80.96	-12.74	54.0	26.96	AV	69.00	200	Vertical	N/A
3	4802.200	51.20	-2.64	74.0	-22.80	Peak	227.00	100	Vertical	Pass
3**	4802.200	42.53	-2.64	54.0	-11.47	AV	227.00	100	Vertical	Pass
4	6681.800	55.05	0.05	74.0	-18.95	Peak	92.00	200	Vertical	Pass
4**	6681.800	44.97	0.05	54.0	-9.03	AV	92.00	200	Vertical	Pass
5	10923.800	53.08	0.45	74.0	-20.92	Peak	170.00	100	Vertical	Pass
5**	10923.800	44.56	0.45	54.0	-9.44	AV	170.00	100	Vertical	Pass
6	17201.738	51.87	2.45	74.0	-22.13	Peak	329.00	100	Vertical	Pass
6**	17201.738	44.76	2.45	54.0	-9.24	AV	329.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1551.800	39.36	-17.28	74.0	-34.64	Peak	80.00	400	Horizontal	Pass
1**	1551.800	29.39	-17.28	54.0	-24.61	AV	80.00	400	Horizontal	Pass
2	2429.900	100.78	-12.84	74.0	26.78	Peak	161.00	150	Horizontal	N/A
2**	2429.900	92.38	-12.84	54.0	38.38	AV	161.00	150	Horizontal	N/A
3	4915.200	51.23	-2.39	74.0	-22.77	Peak	269.00	150	Horizontal	Pass
3**	4915.200	41.97	-2.39	54.0	-12.03	AV	269.00	150	Horizontal	Pass
4	6675.400	54.00	0.06	74.0	-20.00	Peak	91.00	100	Horizontal	Pass
4**	6675.400	45.08	0.06	54.0	-8.92	AV	91.00	100	Horizontal	Pass
5	11208.138	52.02	0.02	74.0	-21.98	Peak	0.00	200	Horizontal	Pass
5**	11208.138	42.42	0.02	54.0	-11.58	AV	0.00	200	Horizontal	Pass
6	17206.462	51.51	2.32	74.0	-22.49	Peak	295.00	100	Horizontal	Pass
6**	17206.462	43.98	2.32	54.0	-10.02	AV	295.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1273.200	38.96	-17.50	74.0	-35.04	Peak	334.00	200	Vertical	Pass
1**	1273.200	29.12	-17.50	54.0	-24.88	AV	334.00	200	Vertical	Pass
2	2427.600	87.21	-12.87	74.0	13.21	Peak	141.00	150	Vertical	N/A
2**	2427.600	80.00	-12.87	54.0	26.00	AV	141.00	150	Vertical	N/A
3	4779.600	50.97	-2.55	74.0	-23.03	Peak	257.00	150	Vertical	Pass
3**	4779.600	40.69	-2.55	54.0	-13.31	AV	257.00	150	Vertical	Pass
4	6981.200	54.71	1.24	74.0	-19.29	Peak	308.00	400	Vertical	Pass
4**	6981.200	45.18	1.24	54.0	-8.82	AV	308.00	400	Vertical	Pass
5	9945.437	52.42	-0.30	74.0	-21.58	Peak	27.00	200	Vertical	Pass
5**	9945.437	42.75	-0.30	54.0	-11.25	AV	27.00	200	Vertical	Pass
6	17308.838	53.08	2.25	74.0	-20.92	Peak	327.00	300	Vertical	Pass
6**	17308.838	43.36	2.25	54.0	-10.64	AV	327.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1427.800	38.69	-17.35	74.0	-35.31	Peak	0.00	200	Horizontal	Pass
1**	1427.800	29.90	-17.35	54.0	-24.10	AV	0.00	200	Horizontal	Pass
2	2435.200	100.57	-12.72	74.0	26.57	Peak	162.00	200	Horizontal	N/A
2**	2435.200	92.98	-12.72	54.0	38.98	AV	162.00	200	Horizontal	N/A
3	4905.600	51.41	-2.58	74.0	-22.59	Peak	274.00	150	Horizontal	Pass
3**	4905.600	42.20	-2.58	54.0	-11.80	AV	274.00	150	Horizontal	Pass
4	6689.600	53.90	0.10	74.0	-20.10	Peak	193.00	100	Horizontal	Pass
4**	6689.600	44.95	0.10	54.0	-9.05	AV	193.00	100	Horizontal	Pass
5	10197.862	52.31	0.83	74.0	-21.69	Peak	123.00	200	Horizontal	Pass
5**	10197.862	42.94	0.83	54.0	-11.06	AV	123.00	200	Horizontal	Pass
6	17369.999	52.39	3.45	74.0	-21.61	Peak	107.00	100	Horizontal	Pass
6**	17369.999	43.64	3.45	54.0	-10.36	AV	107.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1354.100	39.81	-17.35	74.0	-34.19	Peak	0.00	100	Vertical	Pass
1**	1354.100	29.62	-17.35	54.0	-24.38	AV	0.00	100	Vertical	Pass
2	2434.200	87.78	-12.71	74.0	13.78	Peak	147.00	200	Vertical	N/A
2**	2434.200	80.45	-12.71	54.0	26.45	AV	147.00	200	Vertical	N/A
3	4807.800	50.85	-2.75	74.0	-23.15	Peak	306.00	200	Vertical	Pass
3**	4807.800	41.52	-2.75	54.0	-12.48	AV	306.00	200	Vertical	Pass
4	6690.400	54.39	0.01	74.0	-19.61	Peak	351.00	100	Vertical	Pass
4**	6690.400	44.35	0.01	54.0	-9.65	AV	351.00	100	Vertical	Pass
5	11584.474	52.31	0.08	74.0	-21.69	Peak	66.00	200	Vertical	Pass
5**	11584.474	42.36	0.08	54.0	-11.64	AV	66.00	200	Vertical	Pass
6	17400.449	53.36	4.32	74.0	-20.64	Peak	198.00	200	Vertical	Pass
6**	17400.449	44.31	4.32	54.0	-9.69	AV	198.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1426.000	39.20	-17.42	74.0	-34.80	Peak	173.00	400	Horizontal	Pass
1**	1426.000	29.76	-17.42	54.0	-24.24	AV	173.00	400	Horizontal	Pass
2	2466.700	99.33	-12.77	74.0	25.33	Peak	166.00	150	Horizontal	N/A
2**	2466.700	92.25	-12.77	54.0	38.25	AV	166.00	150	Horizontal	N/A
3	5130.000	51.81	-2.25	74.0	-22.19	Peak	279.00	150	Horizontal	Pass
3**	5130.000	41.83	-2.25	54.0	-12.17	AV	279.00	150	Horizontal	Pass
4	6685.400	54.45	-0.12	74.0	-19.55	Peak	174.00	300	Horizontal	Pass
4**	6685.400	44.88	-0.12	54.0	-9.12	AV	174.00	300	Horizontal	Pass
5	10183.200	52.43	0.38	74.0	-21.57	Peak	28.00	300	Horizontal	Pass
5**	10183.200	42.42	0.38	54.0	-11.58	AV	28.00	300	Horizontal	Pass
6	17179.688	52.51	3.31	74.0	-21.49	Peak	271.00	300	Horizontal	Pass
6**	17179.688	44.79	3.31	54.0	-9.21	AV	271.00	300	Horizontal	Pass

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

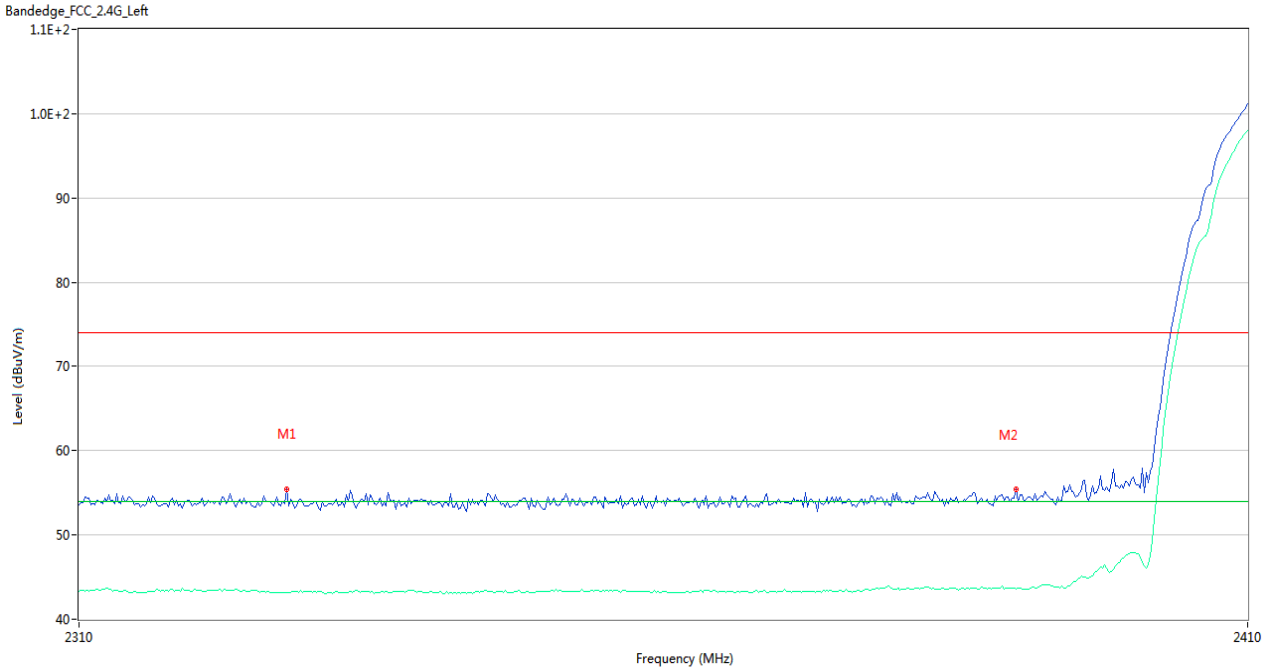
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1509.900	39.50	-17.64	74.0	-34.50	Peak	203.00	200	Vertical	Pass
1**	1509.900	29.54	-17.64	54.0	-24.46	AV	203.00	200	Vertical	Pass
2	2467.200	87.21	-12.77	74.0	13.21	Peak	76.00	200	Vertical	N/A
2**	2467.200	80.15	-12.77	54.0	26.15	AV	76.00	200	Vertical	N/A
3	4832.200	51.22	-3.47	74.0	-22.78	Peak	343.00	150	Vertical	Pass
3**	4832.200	42.16	-3.47	54.0	-11.84	AV	343.00	150	Vertical	Pass
4	6971.200	54.84	1.25	74.0	-19.16	Peak	219.00	100	Vertical	Pass
4**	6971.200	44.27	1.25	54.0	-9.73	AV	219.00	100	Vertical	Pass
5	12229.913	52.39	1.68	74.0	-21.61	Peak	123.00	400	Vertical	Pass
5**	12229.913	42.00	1.68	54.0	-12.00	AV	123.00	400	Vertical	Pass
6	17301.225	52.73	2.33	74.0	-21.27	Peak	0.00	100	Vertical	Pass
6**	17301.225	45.25	2.33	54.0	-8.75	AV	0.00	100	Vertical	Pass

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

Note [1]: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.
Note [2]: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.
Note [3]: According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

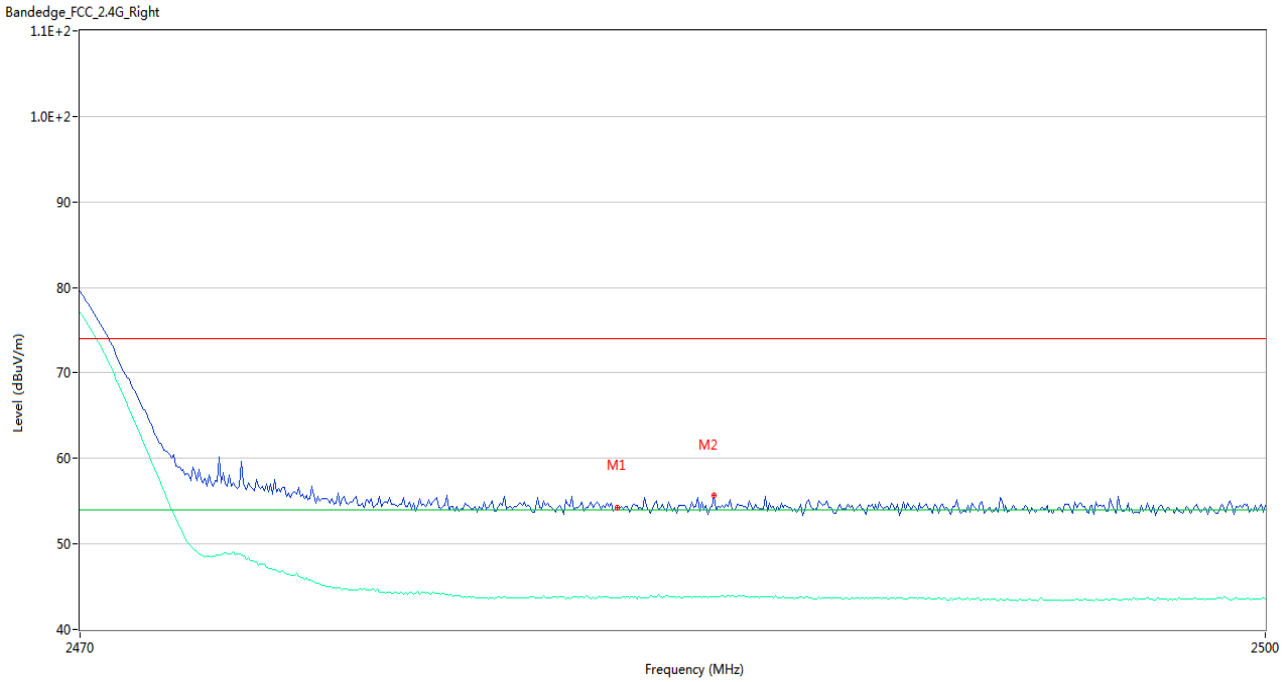
Test Data and Plots

802.11b LOW CHANNEL



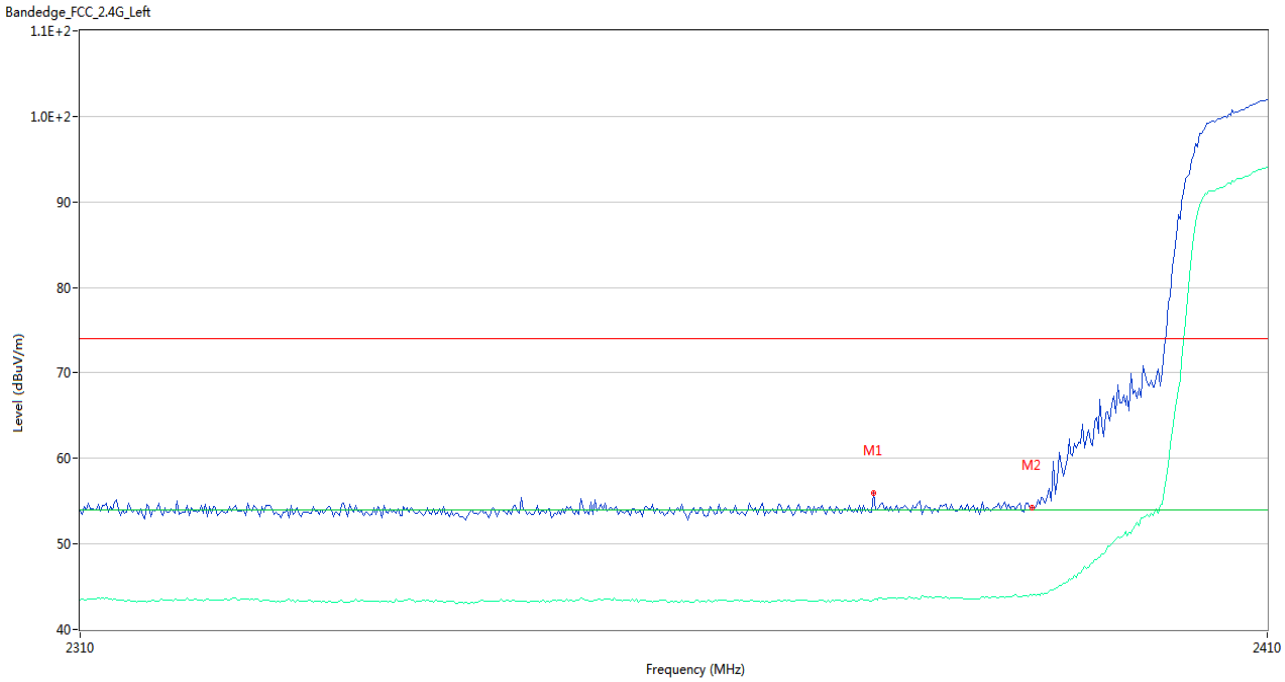
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2327.500	55.37	-0.83	74.0	-18.63	Peak	178.00	200	Horizontal	Pass
1**	2327.500	43.20	-0.83	54.0	-10.80	AV	178.00	200	Horizontal	Pass
2	2389.833	55.44	-0.43	74.0	-18.56	Peak	258.00	200	Horizontal	Pass
2**	2389.833	43.50	-0.43	54.0	-10.50	AV	258.00	200	Horizontal	Pass

802.11b HIGH CHANNEL



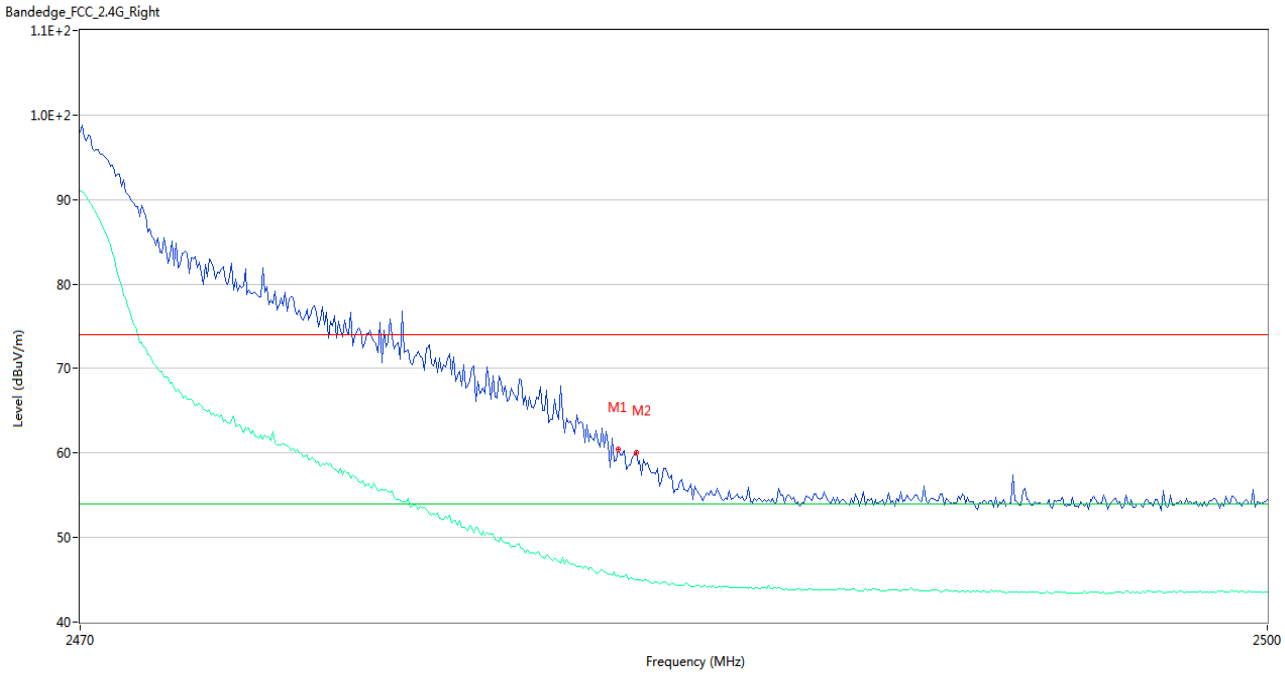
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	54.21	-0.25	74.0	-19.79	Peak	151.00	100	Horizontal	Pass
1**	2483.550	43.70	-0.25	54.0	-10.30	AV	151.00	100	Horizontal	Pass
2	2486.000	55.66	-0.08	74.0	-18.34	Peak	0.00	150	Horizontal	Pass
2**	2486.000	43.82	-0.08	54.0	-10.18	AV	0.00	150	Horizontal	Pass

802.11g LOW CHANNEL



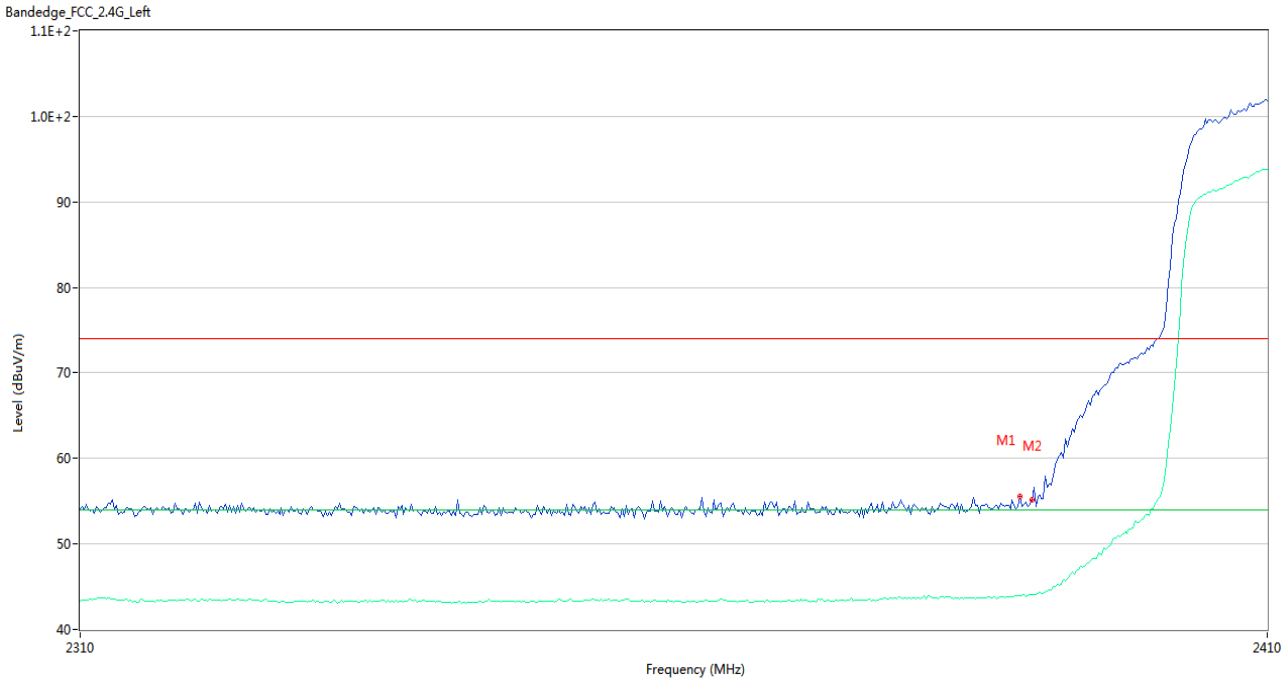
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2376.333	55.90	-0.83	74.0	-18.10	Peak	64.00	150	Horizontal	Pass
1**	2376.333	43.42	-0.83	54.0	-10.58	AV	64.00	150	Horizontal	Pass
2	2389.833	54.26	-0.43	74.0	-19.74	Peak	125.00	100	Horizontal	Pass
2**	2389.833	43.98	-0.43	54.0	-10.02	AV	125.00	100	Horizontal	Pass

802.11g HIGH CHANNEL



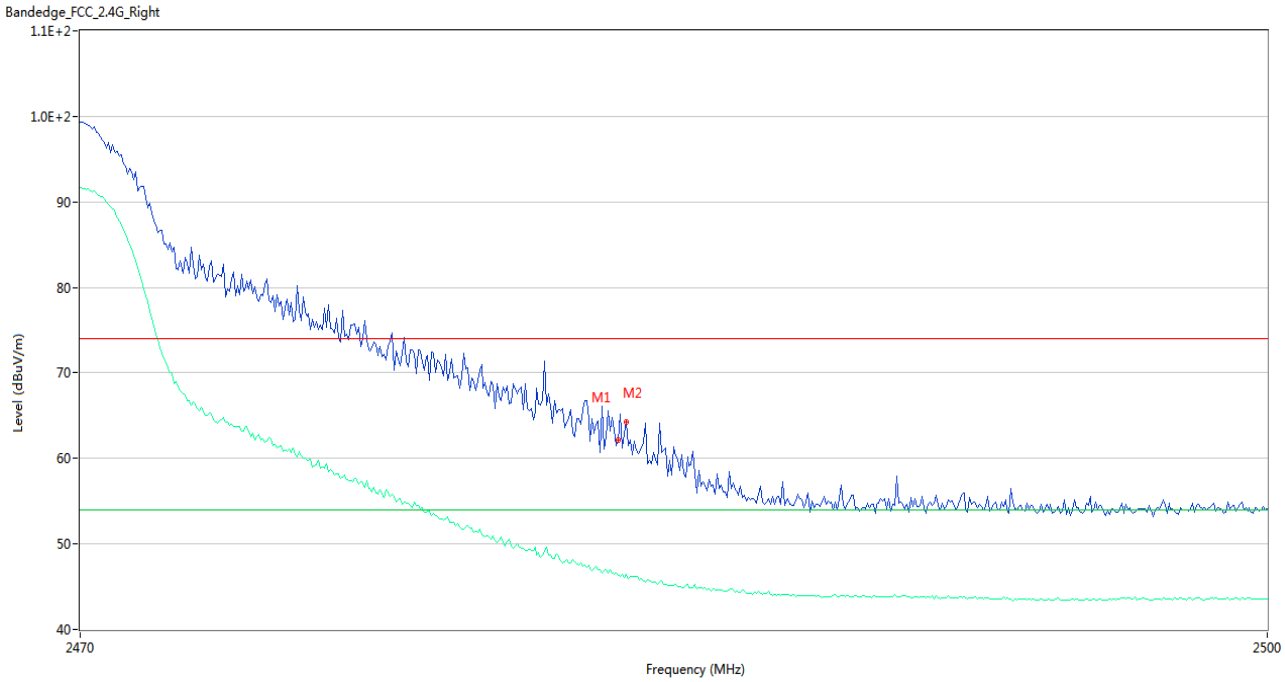
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	60.48	-0.25	74.0	-13.52	Peak	257.00	200	Horizontal	Pass
1**	2483.550	45.60	-0.25	54.0	-8.40	AV	257.00	200	Horizontal	Pass
2	2484.000	60.02	-0.23	74.0	-13.98	Peak	235.00	200	Horizontal	Pass
2**	2484.000	45.02	-0.23	54.0	-8.98	AV	235.00	200	Horizontal	Pass

802.11n20 LOW CHANNEL



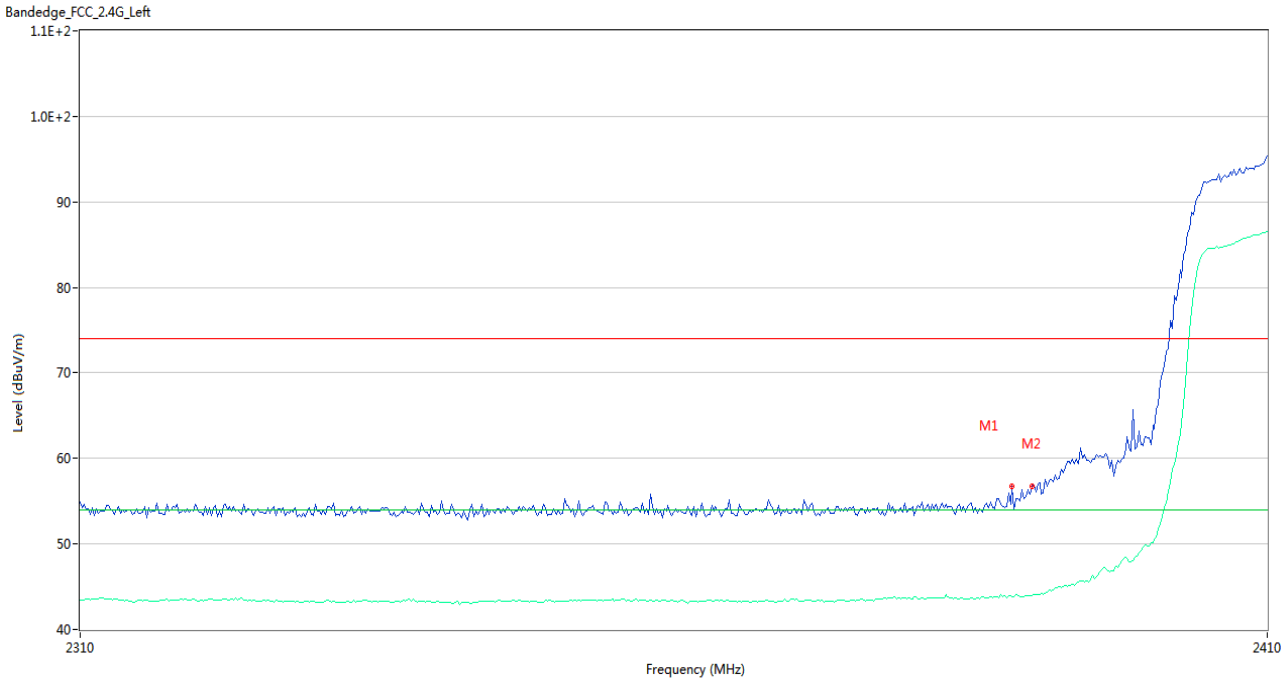
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.833	55.52	-0.42	74.0	-18.48	Peak	191.00	200	Horizontal	Pass
1**	2388.833	43.98	-0.42	54.0	-10.02	AV	191.00	200	Horizontal	Pass
2	2389.833	55.18	-0.43	74.0	-18.82	Peak	70.00	100	Horizontal	Pass
2**	2389.833	44.09	-0.43	54.0	-9.91	AV	70.00	100	Horizontal	Pass

802.11n20 HIGH CHANNEL



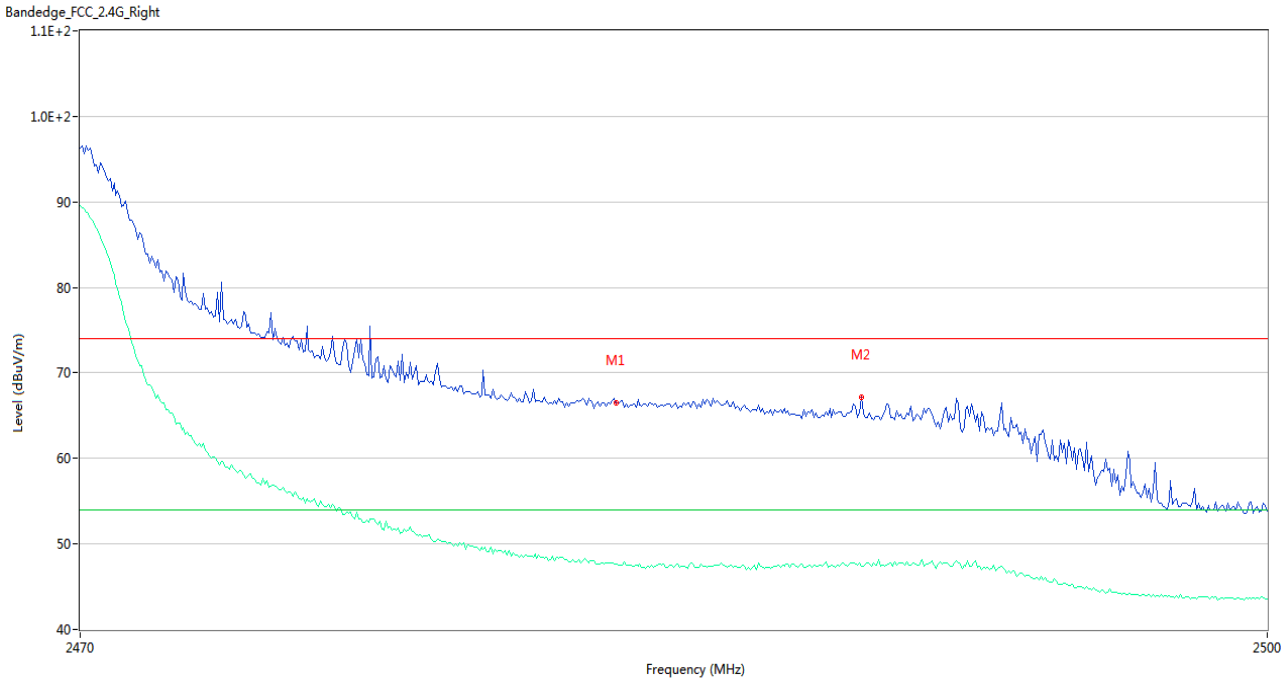
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	62.19	-0.25	74.0	-11.81	Peak	204.00	100	Horizontal	Pass
1**	2483.550	46.28	-0.25	54.0	-7.72	AV	204.00	100	Horizontal	Pass
2	2483.750	64.28	-0.25	74.0	-9.72	Peak	234.00	150	Horizontal	Pass
2**	2483.750	46.42	-0.25	54.0	-7.58	AV	234.00	150	Horizontal	Pass

802.11n40 LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2388.167	56.68	-0.44	74.0	-17.32	Peak	247.00	150	Horizontal	Pass
1**	2388.167	43.80	-0.44	54.0	-10.20	AV	247.00	150	Horizontal	Pass
2	2389.833	56.81	-0.43	74.0	-17.19	Peak	188.00	100	Horizontal	Pass
2**	2389.833	43.92	-0.43	54.0	-10.08	AV	188.00	100	Horizontal	Pass

802.11n40 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	66.56	-0.26	74.0	-7.44	Peak	242.00	200	Horizontal	Pass
1**	2483.500	47.70	-0.26	54.0	-6.30	AV	242.00	200	Horizontal	Pass
2	2489.700	67.14	-0.20	74.0	-6.86	Peak	113.00	200	Horizontal	Pass
2**	2489.700	47.39	-0.20	54.0	-6.61	AV	113.00	200	Horizontal	Pass

A.8 Power Spectral Density (PSD)

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

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.32	8
Middle	-18.54	8
High	-18.85	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-23.00	8
Middle	-22.99	8
High	-22.74	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-23.41	8
Middle	-23.36	8
High	-22.85	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-27.23	8
Middle	-25.78	8
High	-24.02	8

Test Plots

802.11b LOW CHANNEL

802.11b MIDDLE CHANNEL

802.11b HIGH CHANNEL

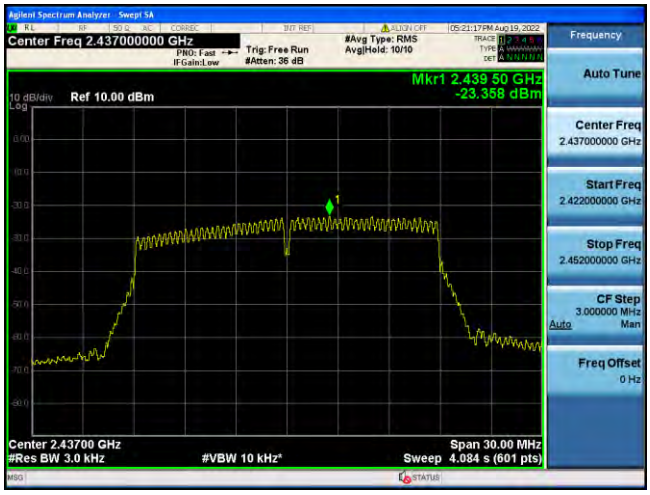
802.11g LOW CHANNEL

802.11g MIDDLE CHANNEL

802.11g HIGH CHANNEL

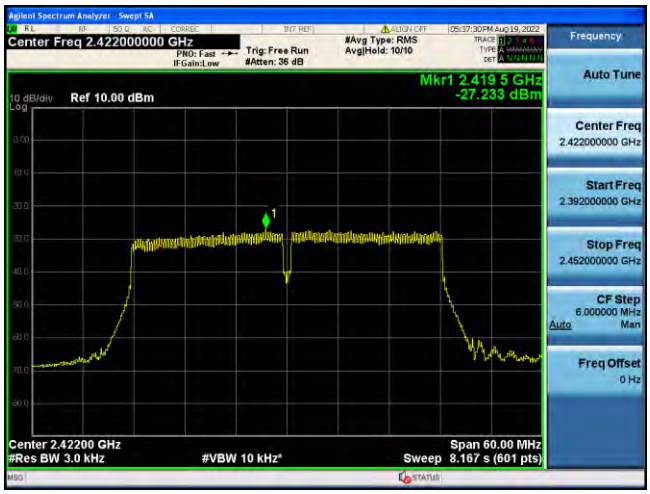
802.11n-20 MHz LOW CHANNEL

802.11n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL

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-SZ2280100-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2280100-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2280100-AI.PDF”.

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