

A.3 Conducted Spurious Emissions

Test Data

802.11b Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-37.11	-1.01	-21.01	Pass
Middle	-37.07	-0.36	-20.36	Pass
High	-36.25	-0.26	-20.26	Pass

802.11g Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.68	-10.87	-30.87	Pass
Middle	-37.88	-9.58	-29.58	Pass
High	-39.12	-10.73	-30.73	Pass

802.11n-20MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-39.70	-9.44	-29.44	Pass
Middle	-36.22	-9.18	-29.18	Pass
High	-36.57	-8.94	-28.94	Pass

802.11n-40MHz Mode:

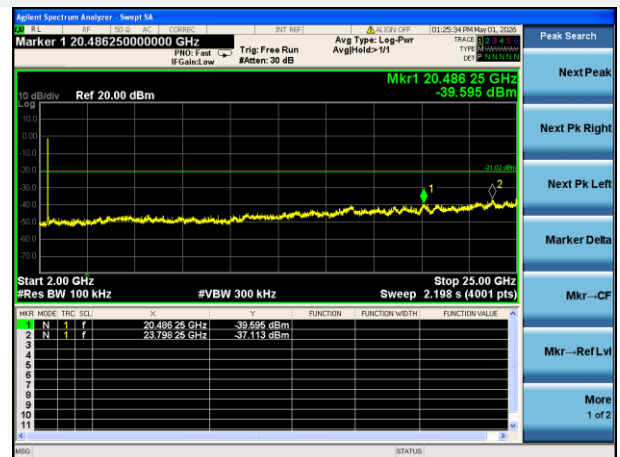
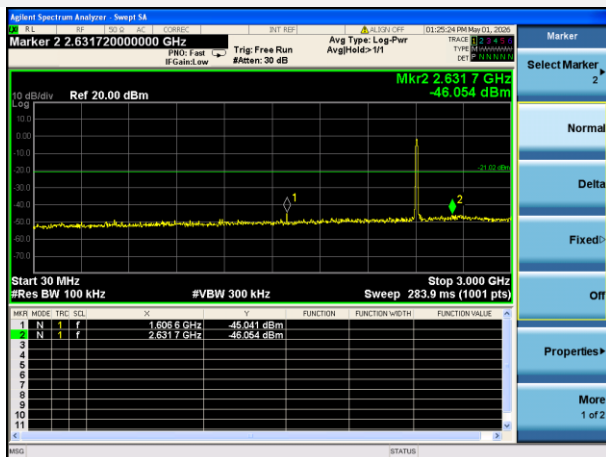
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-37.02	-12.89	-32.89	Pass
Middle	-37.50	-12.76	-32.76	Pass
High	-35.97	-12.64	-32.64	Pass

Test Plots

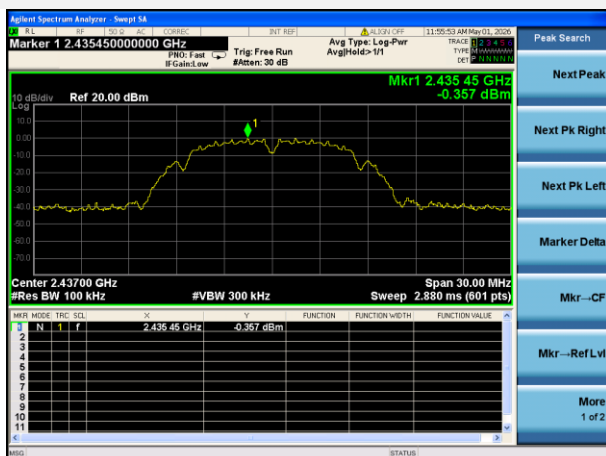
802.11b LOW CHANNEL CARRIER LEVEL



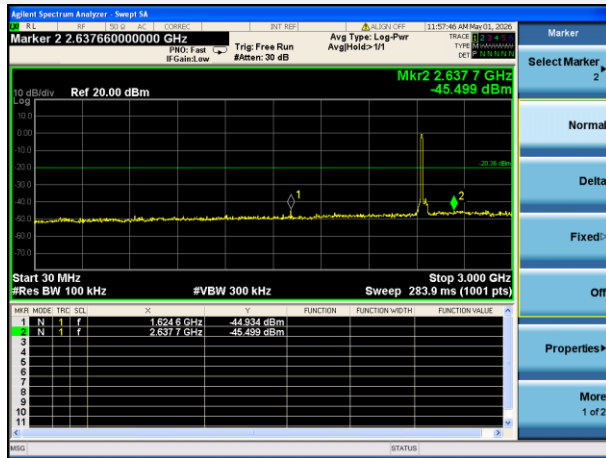
802.11b LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz 802.11b LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



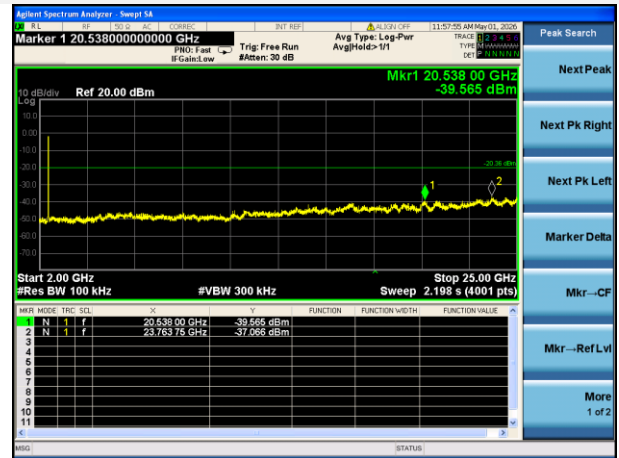
802.11b MIDDLE CHANNEL CARRIER LEVEL



802.11b MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



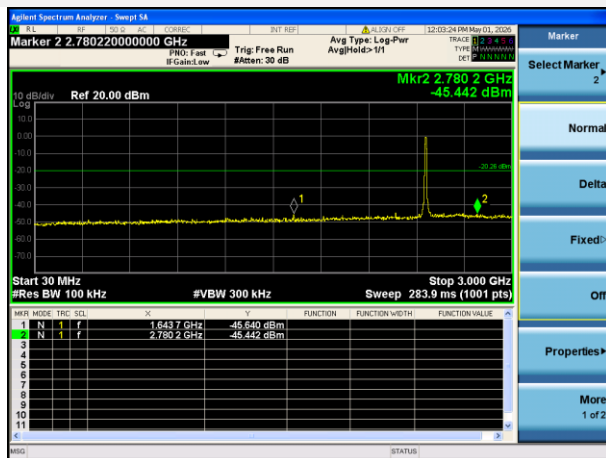
802.11b MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



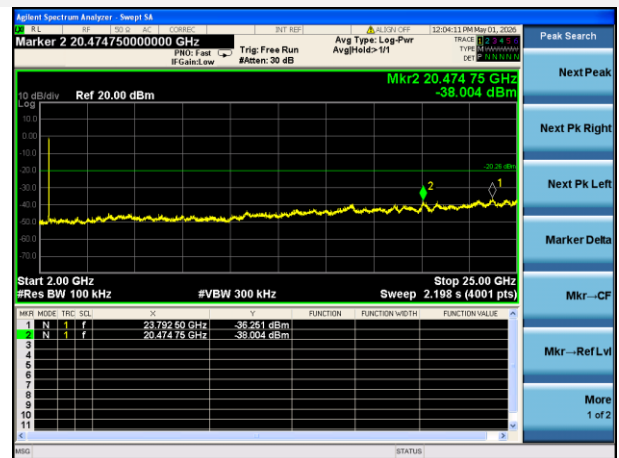
802.11b HIGH CHANNEL CARRIER LEVEL



802.11b HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



802.11b HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



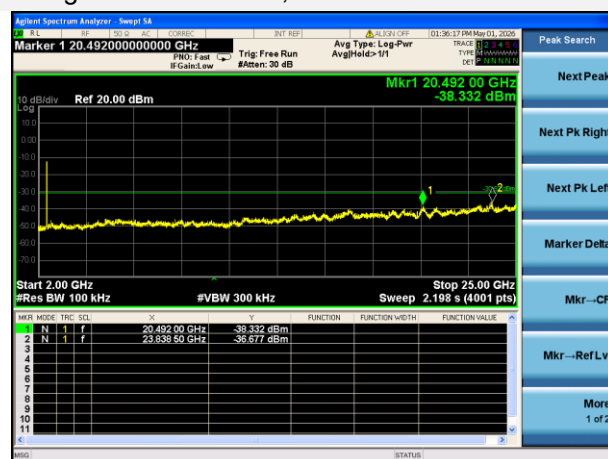
Agilent Spectrum Analyzer - Sweep 34

1 **Marker 1 2.410350000000 GHz** **Mkr1 2.410 35 GHz**
 FREQ: Fast IF Gain: Low Trig: Free Run #Hz: 30 dB Avg Type: Log-Pwr Avg/Hold: V/I

10 dB/div Ref 20.00 dBm

Center 2.41200 GHz Span 30.00 MHz
 #Res BW 100 kHz #VBW 300 kHz Sweep 2.880 ms (601 pts)

MARK	FREQ	LEVEL	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	2.410 35 GHz	-10.868 dBm			

[illegible]

Agilent Spectrum Analyzer - Swept SA

Marker 1 2.435350000000 GHz

PRO: Fast IF Gain: Low Trig: Free Run #Aver: 30 dB

AvG Type: Log-Pwr AvgHold: 1/1

TRACE 1 2.435350000000 GHz

TYPE: SSB MODE: Normal

Next Peak

Next Pk Right

Next Pk Left

Marker Delta

Center 2.43700 GHz

#Res BW 100 kHz #VBW 300 kHz Span 30.00 MHz

Sweep 2.880 ms (601 pts)

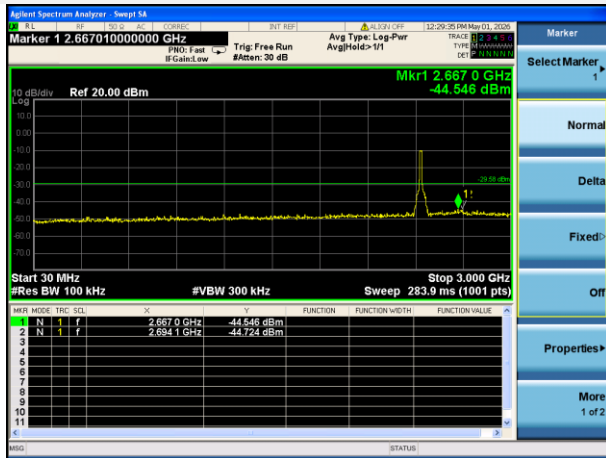
Mkr--CF

Mkr--Ref Lvl

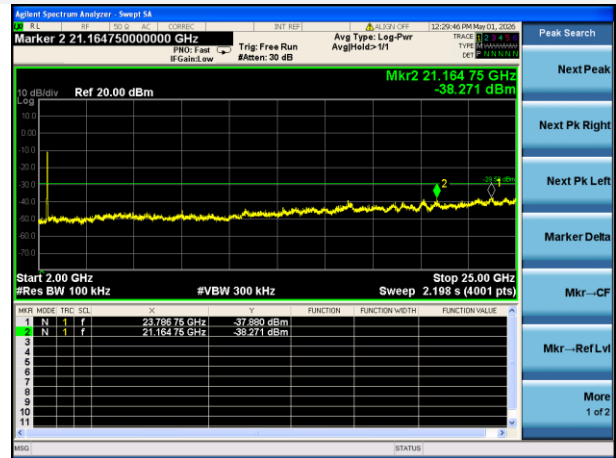
More

1 of 2

802.11g MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



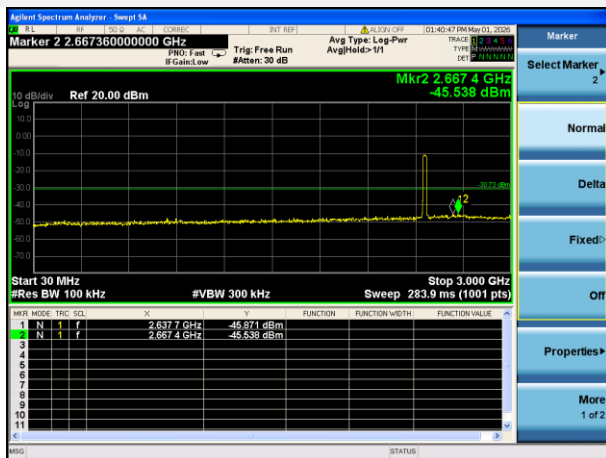
802.11g MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



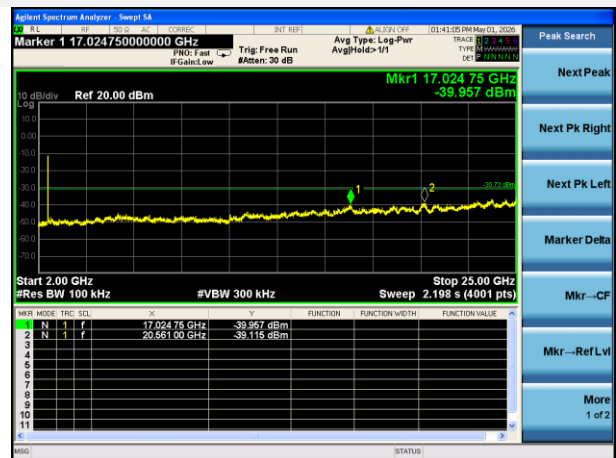
802.11g HIGH CHANNEL CARRIER LEVEL



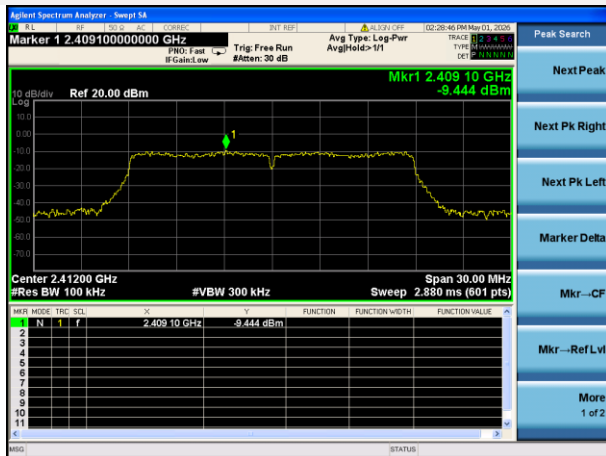
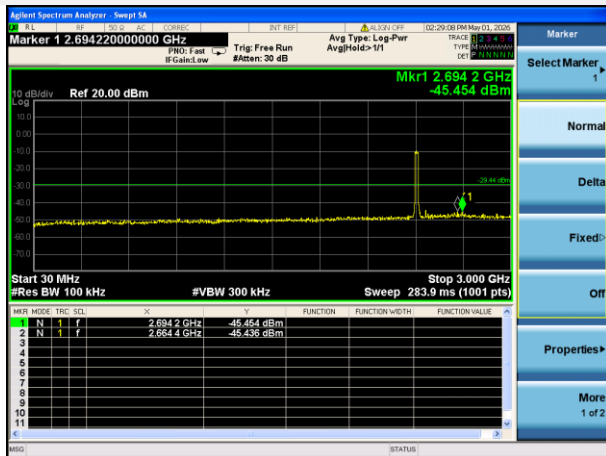
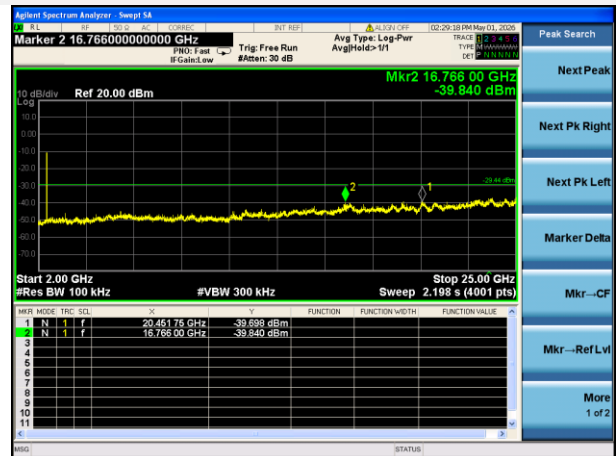
802.11g HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



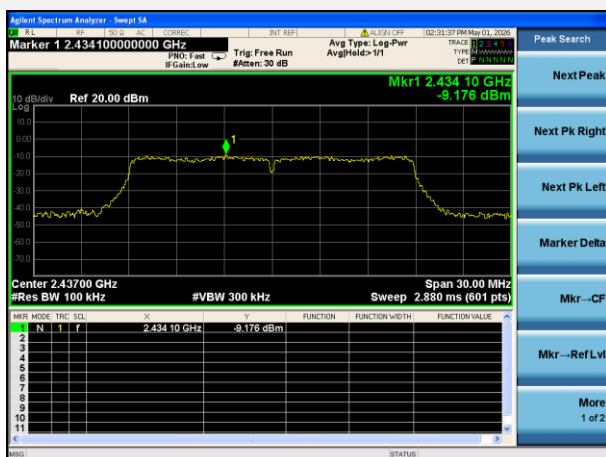
802.11g HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



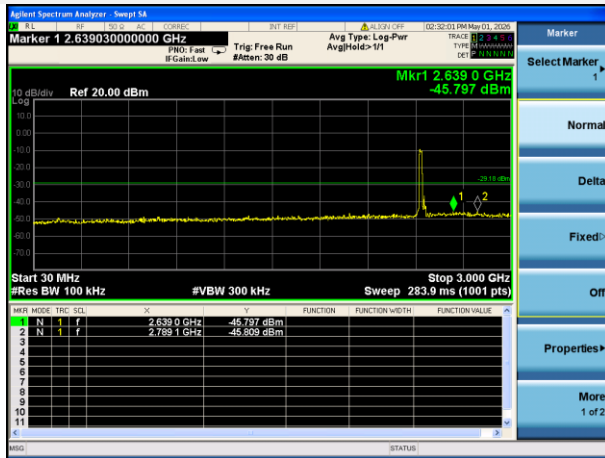
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

802.11n-20 MHz LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-20 MHz LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

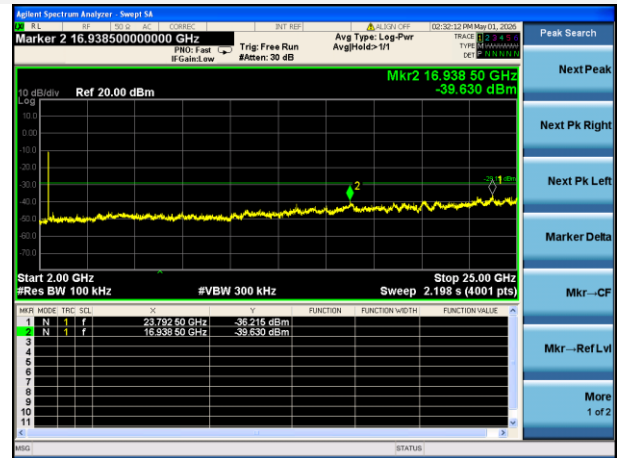
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



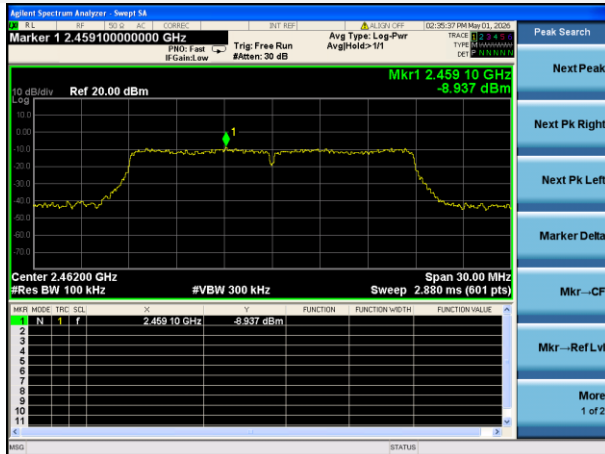
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



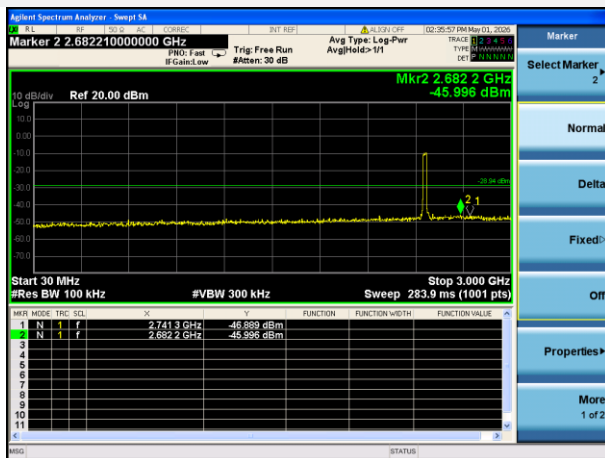
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



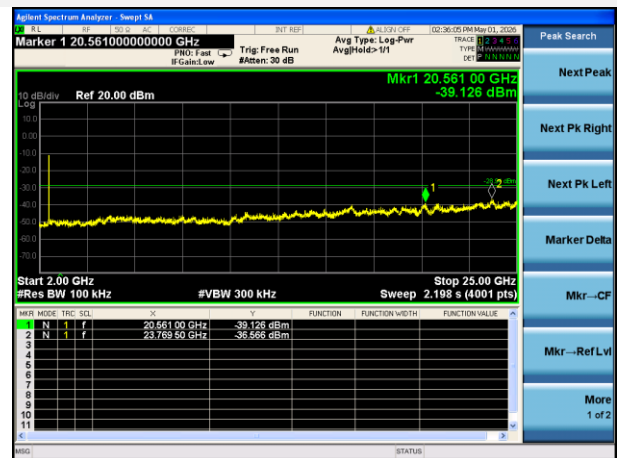
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



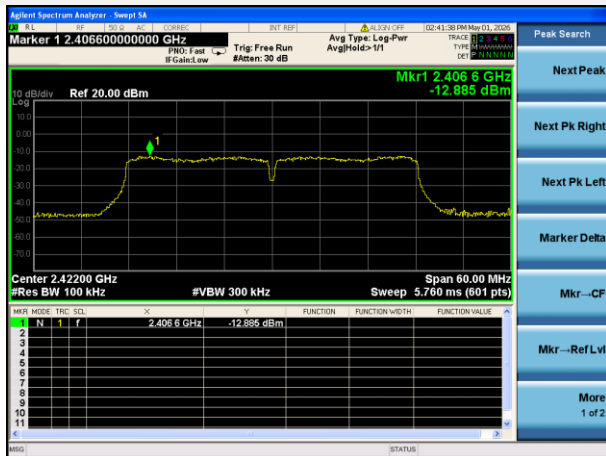
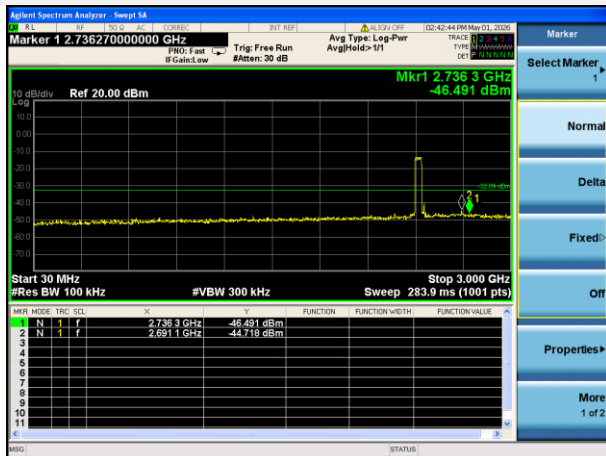
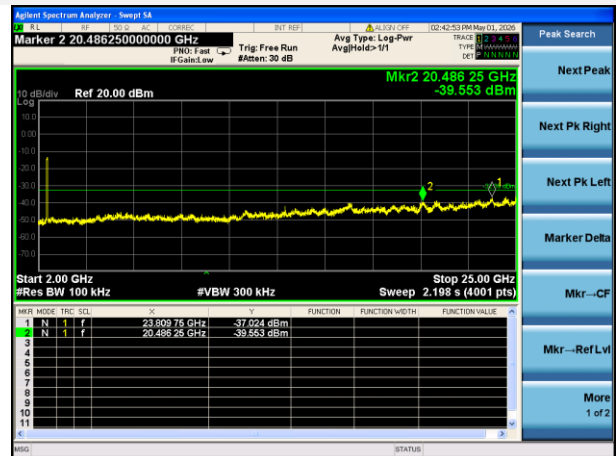
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



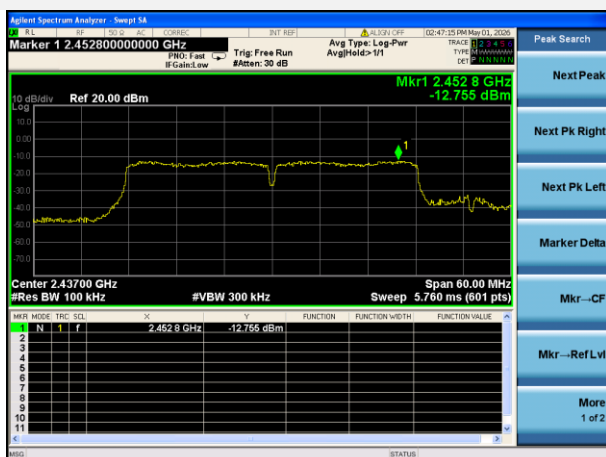
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



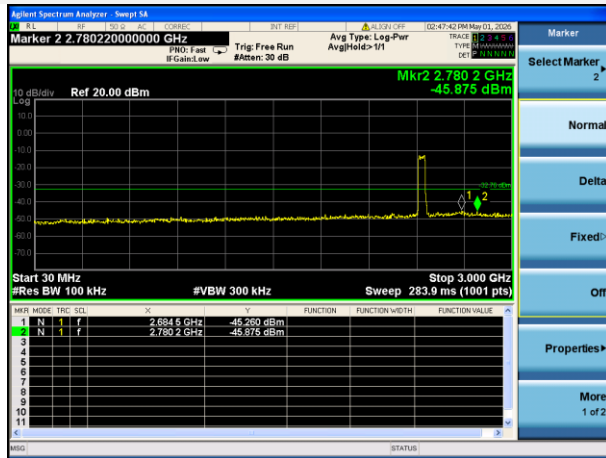
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

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

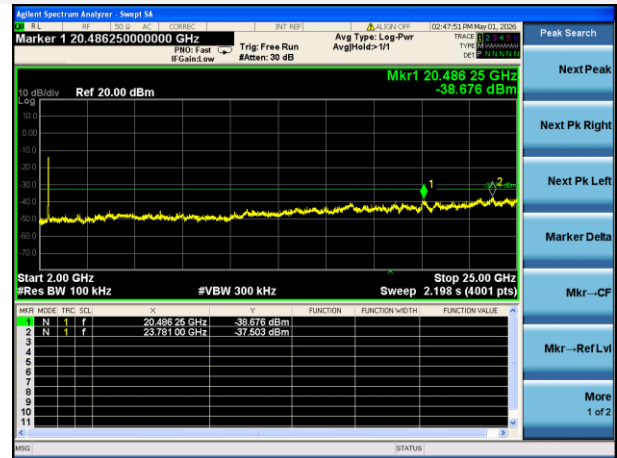
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



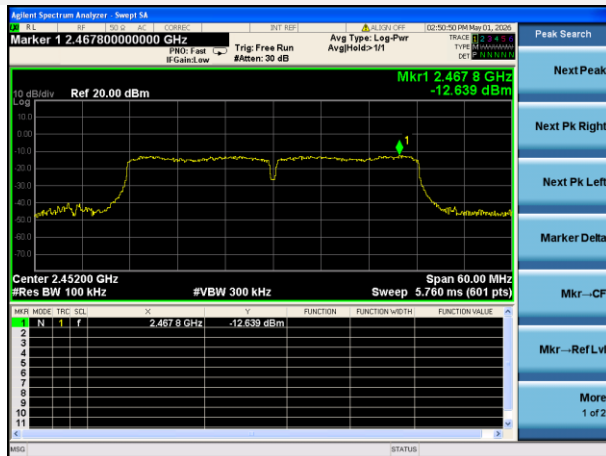
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



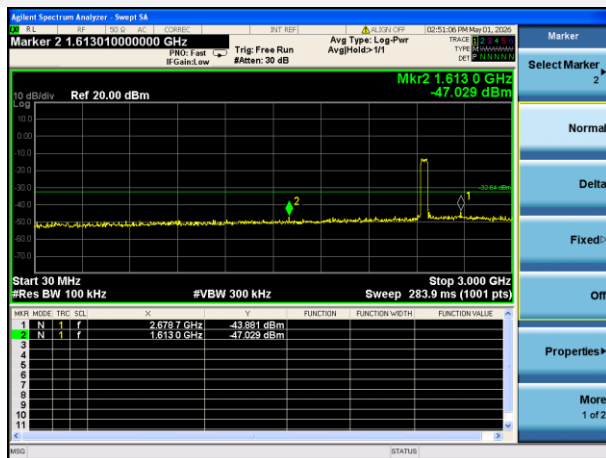
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



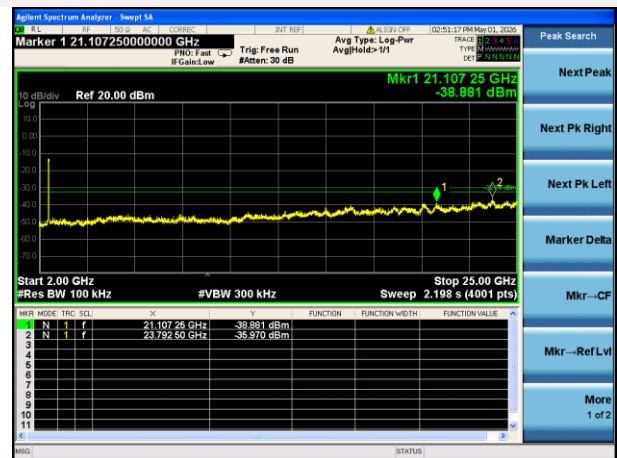
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



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



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



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

Note: 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	-42.97	-1.01	-21.01	Pass
High Channel	-43.98	-0.26	-20.26	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-47.39	-10.87	-30.87	Pass
High Channel	-48.22	-10.73	-30.73	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-42.15	-9.44	-29.44	Pass
High Channel	-44.69	-8.94	-28.94	Pass

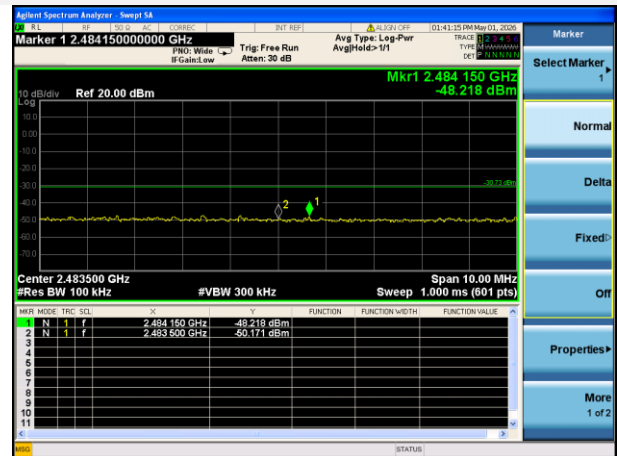
802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-45.76	-12.89	-32.89	Pass
High Channel	-45.26	-12.64	-32.64	Pass

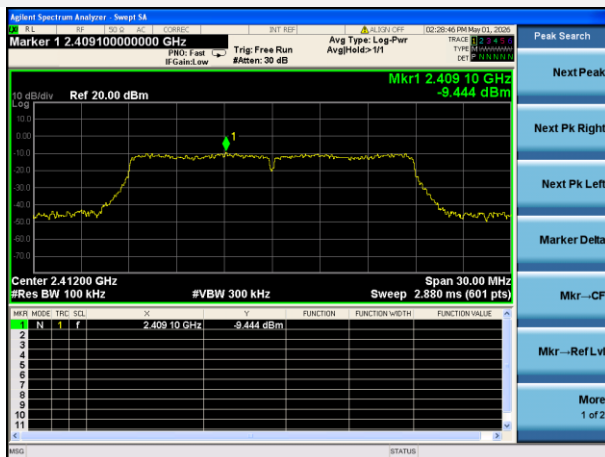
802.11g HIGH CHANNEL, CARRIER LEVEL



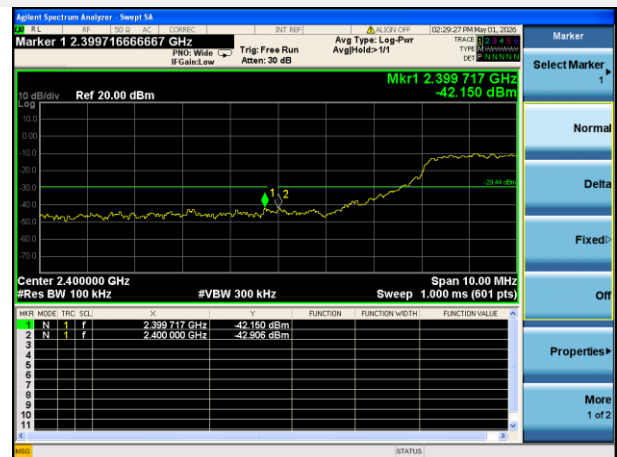
802.11g HIGH CHANNEL, BAND EDGE



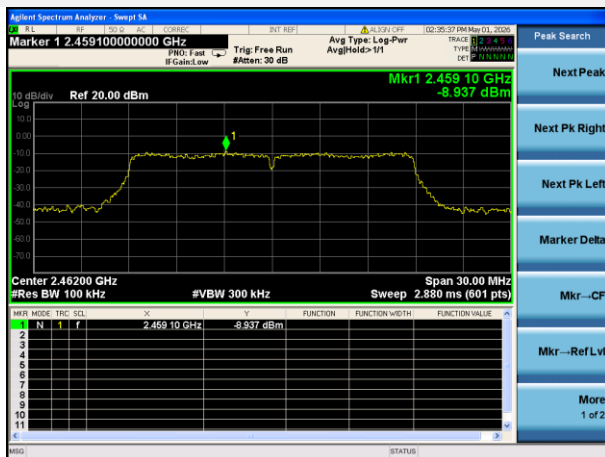
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



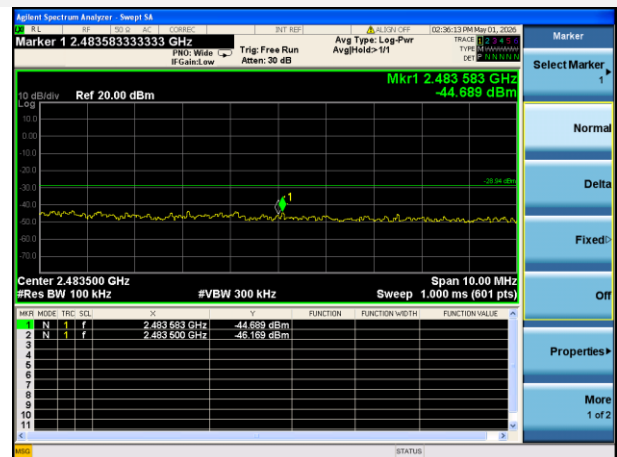
802.11n-20 MHz LOW CHANNEL, BAND EDGE



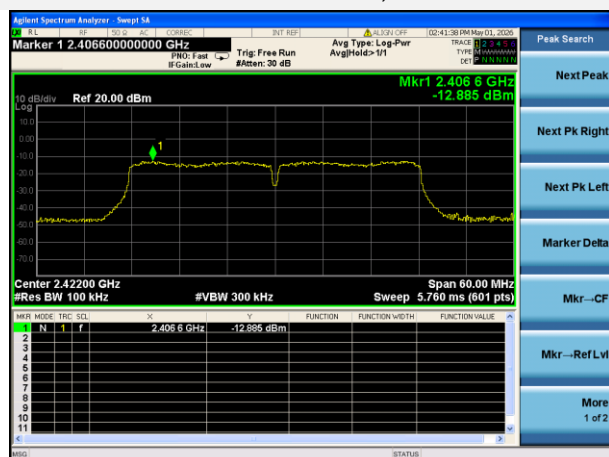
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



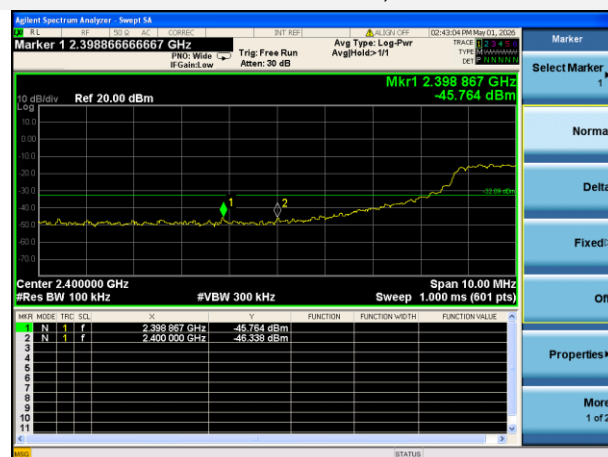
802.11n-20 MHz HIGH CHANNEL, BAND EDGE



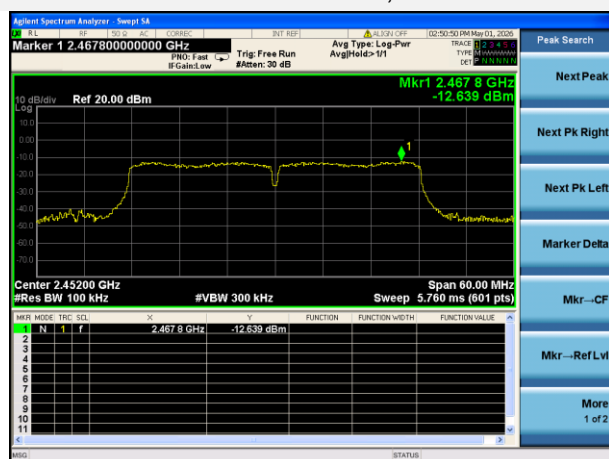
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



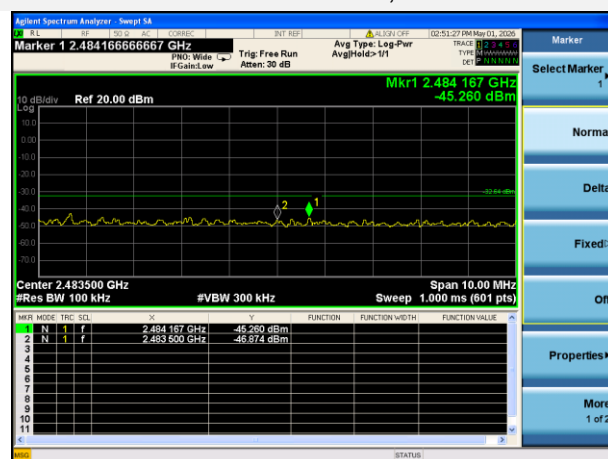
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

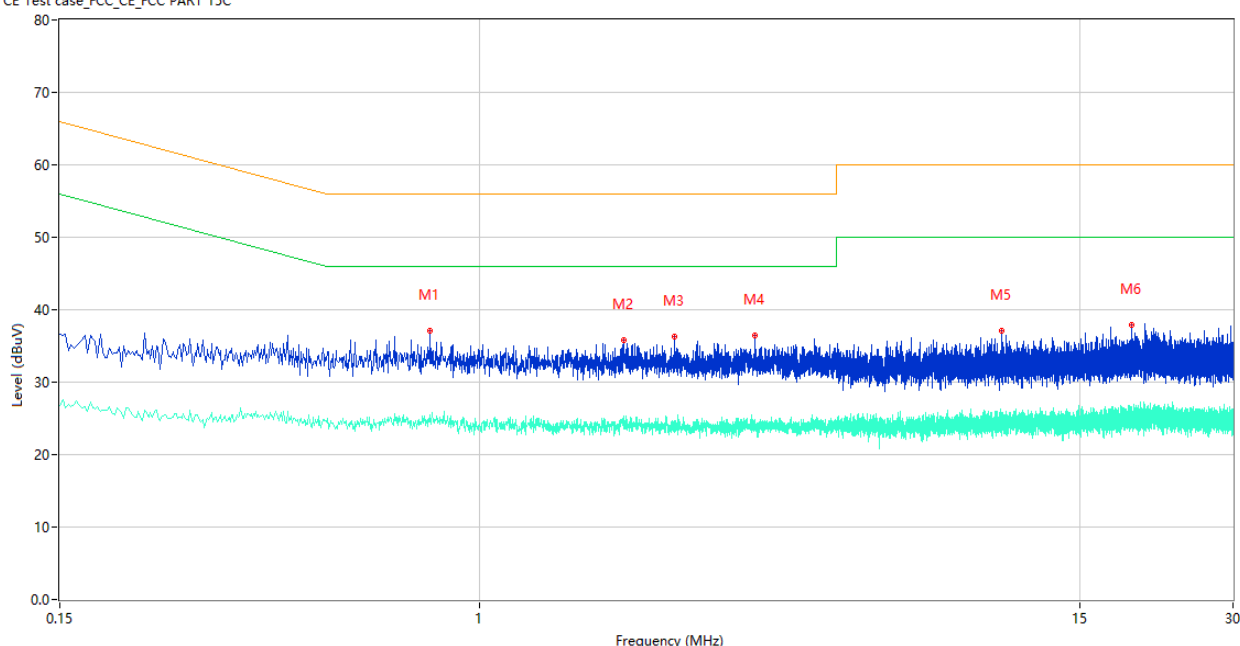
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

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

Test Data and Plots

PHASE L

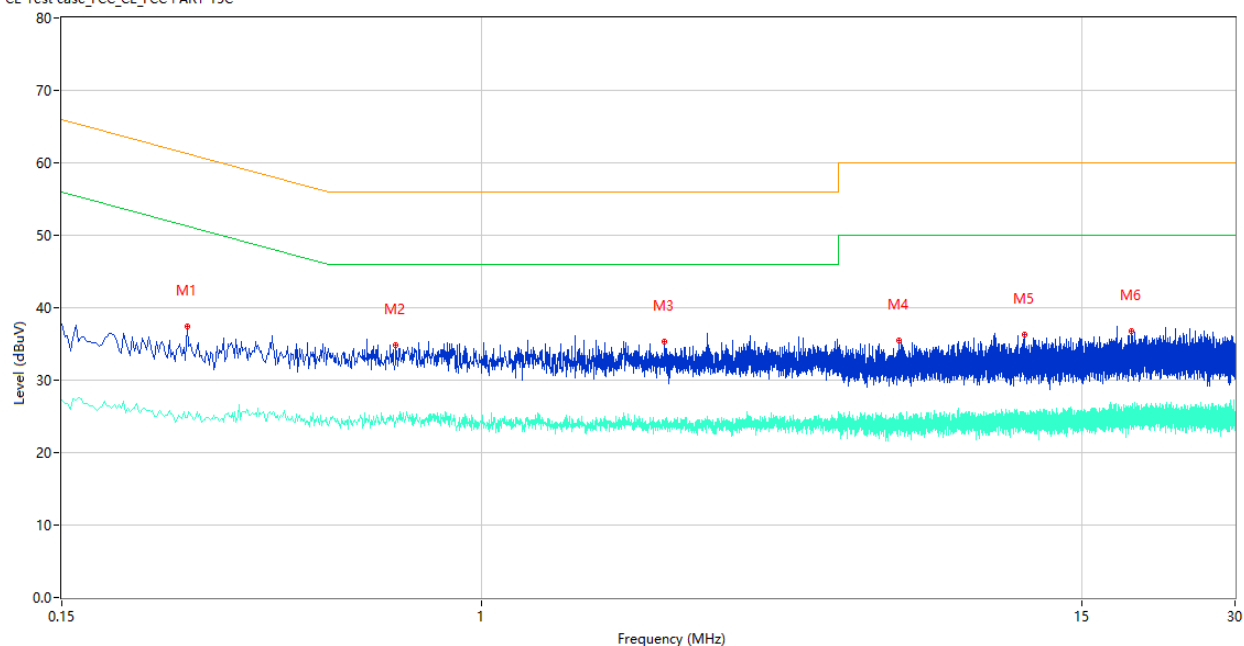
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.800	37.08	10.58	56.00	18.92	Peak	L	Pass
1**	0.800	25.45	10.58	46.00	20.55	AV	L	Pass
2	1.916	35.79	10.60	56.00	20.21	Peak	L	Pass
2**	1.916	23.99	10.60	46.00	22.01	AV	L	Pass
3	2.408	36.23	10.33	56.00	19.77	Peak	L	Pass
3**	2.408	24.69	10.33	46.00	21.31	AV	L	Pass
4	3.464	36.40	10.27	56.00	19.60	Peak	L	Pass
4**	3.464	24.22	10.27	46.00	21.78	AV	L	Pass
5	10.564	37.16	10.51	60.00	22.84	Peak	L	Pass
5**	10.564	25.20	10.51	50.00	24.80	AV	L	Pass
6	19.016	37.83	11.09	60.00	22.17	Peak	L	Pass
6**	19.016	26.59	11.09	50.00	23.41	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.264	37.43	9.82	61.30	23.87	Peak	N	Pass
1**	0.264	24.78	9.82	51.30	26.52	AV	N	Pass
2	0.678	34.85	10.52	56.00	21.15	Peak	N	Pass
2**	0.678	24.40	10.52	46.00	21.60	AV	N	Pass
3	2.280	35.26	10.31	56.00	20.74	Peak	N	Pass
3**	2.280	24.30	10.31	46.00	21.70	AV	N	Pass
4	6.590	35.55	10.51	60.00	24.45	Peak	N	Pass
4**	6.590	23.82	10.51	50.00	26.18	AV	N	Pass
5	11.596	36.35	10.48	60.00	23.65	Peak	N	Pass
5**	11.596	24.82	10.48	50.00	25.18	AV	N	Pass
6	18.792	36.84	11.01	60.00	23.16	Peak	N	Pass
6**	18.792	25.53	11.01	50.00	24.47	AV	N	Pass

A.6 Radiated Emission

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

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

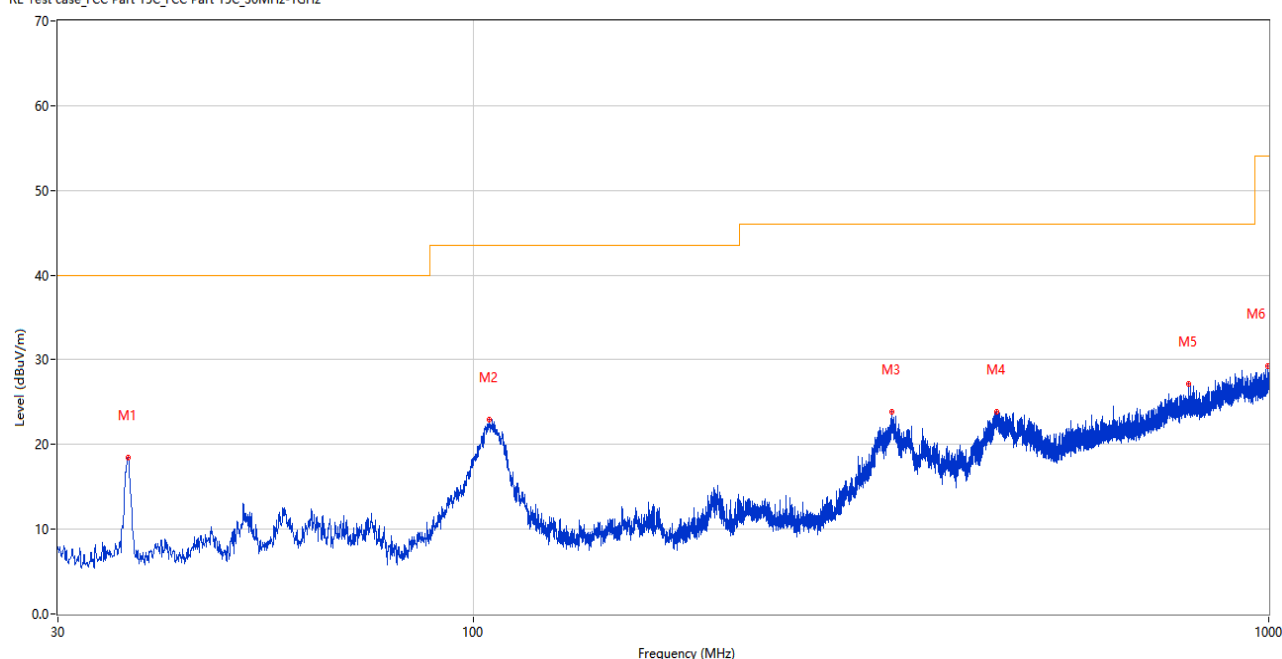
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

30 MHz to 1 GHz, ANT H

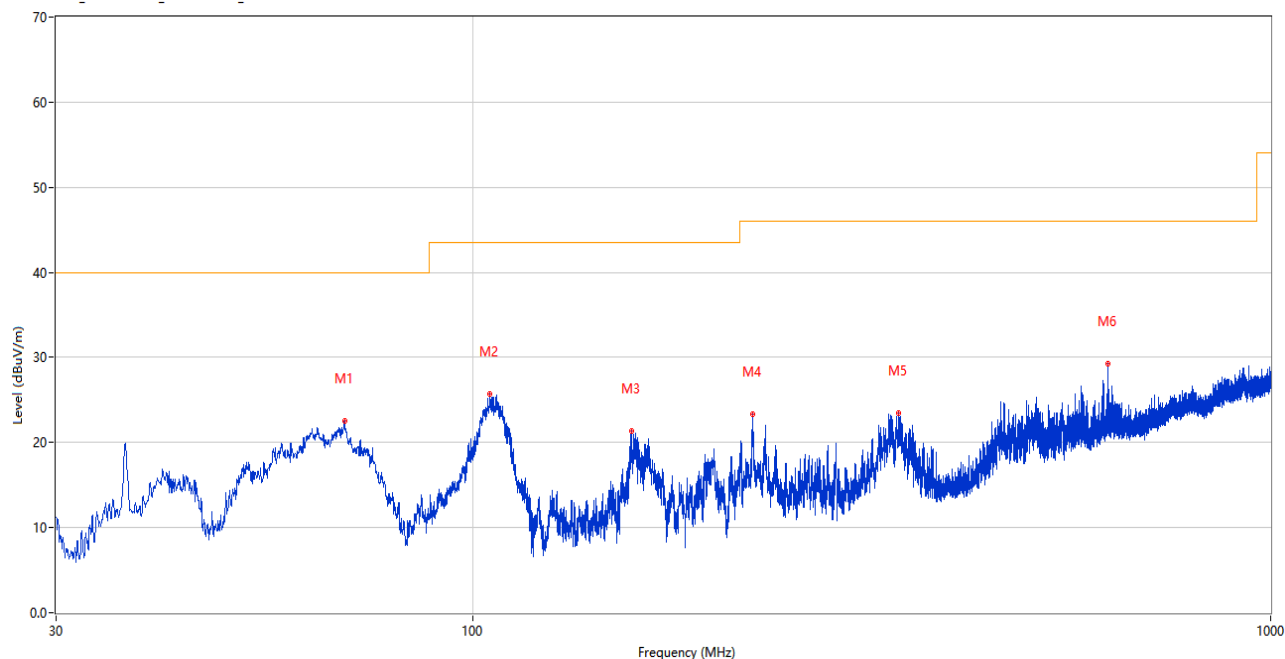
RE Test case_FCC Part 15C_FCC Part 15C_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	36.742	18.49	-30.22	40.0	21.51	Peak	330.00	200	Horizontal	Pass
2	104.642	22.89	-32.59	43.5	20.61	Peak	158.90	200	Horizontal	Pass
3	335.550	23.91	-25.20	46.0	22.09	Peak	103.70	100	Horizontal	Pass
4	455.199	23.90	-21.20	46.0	22.10	Peak	291.30	100	Horizontal	Pass
5	792.226	27.18	-13.06	46.0	18.82	Peak	114.00	200	Horizontal	Pass
6	995.926	29.32	-10.84	54.0	24.68	Peak	193.20	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC Part 15C_30MHz-1GHz



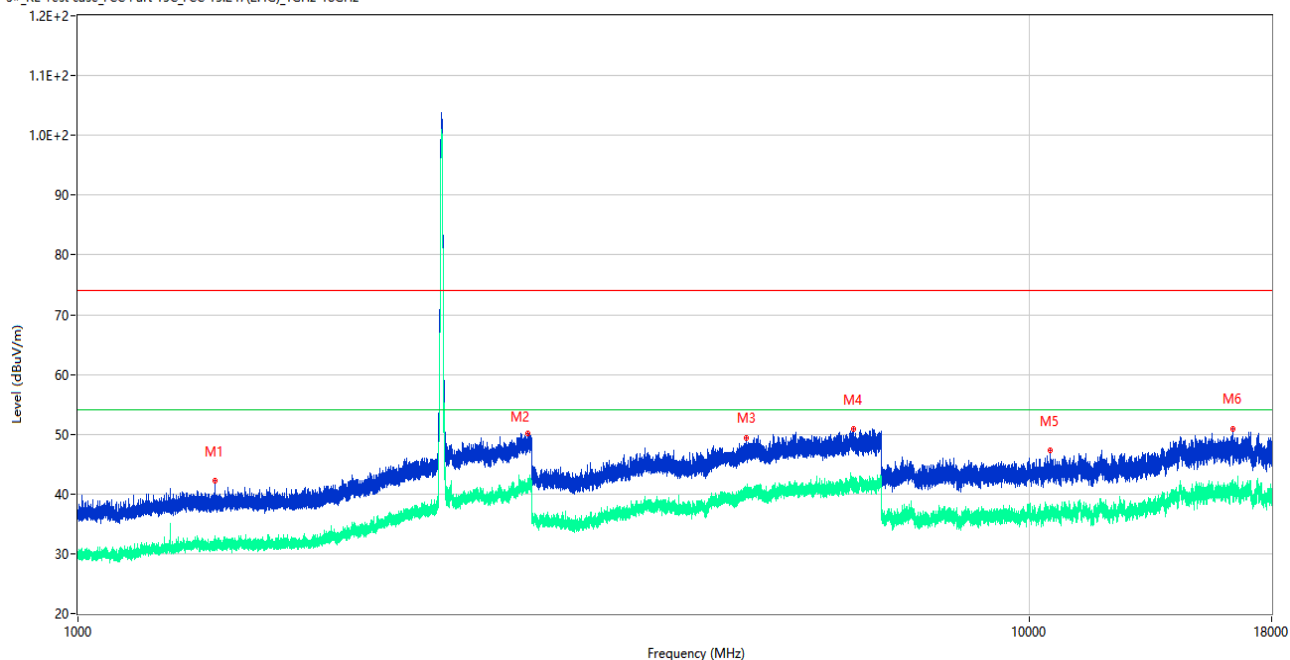
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	68.994	22.50	-30.61	40.0	17.50	Peak	305.20	100	Vertical	Pass
2	104.981	25.74	-32.54	43.5	17.76	Peak	211.20	100	Vertical	Pass
3	158.040	21.38	-27.93	43.5	22.12	Peak	66.70	100	Vertical	Pass
4	224.097	23.32	-30.96	46.0	22.68	Peak	323.70	100	Vertical	Pass
5	341.758	23.42	-25.06	46.0	22.58	Peak	357.10	100	Vertical	Pass
6	625.871	29.21	-16.53	46.0	16.79	Peak	9.70	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

3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1397.178	42.47	74.0	31.53	Peak	140.00	100	Horizontal	Pass
1**	1397.178	32.97	54.0	21.03	AV	140.00	100	Horizontal	Pass
2	2974.464	50.37	74.0	23.63	Peak	296.00	200	Horizontal	Pass
2**	2974.464	44.64	54.0	9.36	AV	296.00	200	Horizontal	Pass
3	5046.093	49.60	74.0	24.40	Peak	278.00	200	Horizontal	Pass
3**	5046.093	40.07	54.0	13.93	AV	278.00	200	Horizontal	Pass
4	6537.456	51.09	74.0	22.91	Peak	360.00	200	Horizontal	Pass
4**	6537.456	40.91	54.0	13.09	AV	360.00	200	Horizontal	Pass
5	10532.450	47.43	74.0	26.57	Peak	49.00	100	Horizontal	Pass
5**	10532.450	37.26	54.0	16.74	AV	49.00	100	Horizontal	Pass
6	16374.776	51.08	74.0	22.92	Peak	341.00	200	Horizontal	Pass
6**	16374.776	41.74	54.0	12.26	AV	341.00	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	1525.174	44.46	74.0	29.54	Peak	347.00	300	Vertical	Pass
1**	1525.174	35.01	54.0	18.99	AV	347.00	300	Vertical	Pass
2	2977.395	54.59	74.0	19.41	Peak	137.00	300	Vertical	Pass
2**	2977.395	43.79	54.0	10.21	AV	137.00	300	Vertical	Pass
3	4246.997	48.38	74.0	25.63	Peak	74.00	200	Vertical	Pass
3**	4246.997	38.53	54.0	15.47	AV	74.00	200	Vertical	Pass
4	7256.825	55.19	74.0	18.81	Peak	227.00	100	Vertical	Pass
4**	7256.825	44.08	54.0	9.92	AV	227.00	100	Vertical	Pass
5	10856.239	49.80	74.0	24.20	Peak	337.00	300	Vertical	Pass
5**	10856.239	40.58	54.0	13.42	AV	337.00	300	Vertical	Pass
6	17541.120	54.60	74.0	19.40	Peak	163.00	300	Vertical	Pass
6**	17541.120	43.77	54.0	10.23	AV	163.00	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	1392.500	41.66	74.0	32.34	Peak	11.00	400	Horizontal	Pass
1**	1392.500	32.74	54.0	21.26	AV	11.00	400	Horizontal	Pass
2	2971.150	49.60	74.0	24.40	Peak	282.00	400	Horizontal	Pass
2**	2971.150	41.71	54.0	12.29	AV	282.00	400	Horizontal	Pass
3	5047.643	48.96	74.0	25.04	Peak	273.00	200	Horizontal	Pass
3**	5047.643	39.69	54.0	14.31	AV	273.00	200	Horizontal	Pass
4	6531.208	50.75	74.0	23.25	Peak	61.00	200	Horizontal	Pass
4**	6531.208	40.52	54.0	13.48	AV	61.00	200	Horizontal	Pass
5	10532.865	46.95	74.0	27.05	Peak	133.00	300	Horizontal	Pass
5**	10532.865	36.57	54.0	17.43	AV	133.00	300	Horizontal	Pass
6	16369.228	50.78	74.0	23.22	Peak	281.00	300	Horizontal	Pass
6**	16369.228	40.75	54.0	13.25	AV	281.00	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	1531.631	44.44	74.0	29.56	Peak	197.00	200	Vertical	Pass
1**	1531.631	34.69	54.0	19.31	AV	197.00	200	Vertical	Pass
2	2979.698	54.31	74.0	19.69	Peak	356.00	200	Vertical	Pass
2**	2979.698	44.39	54.0	9.61	AV	356.00	200	Vertical	Pass
3	4242.062	48.03	74.0	25.98	Peak	330.00	200	Vertical	Pass
3**	4242.062	38.50	54.0	15.50	AV	330.00	200	Vertical	Pass
4	7258.607	54.98	74.0	19.02	Peak	122.00	100	Vertical	Pass
4**	7258.607	43.92	54.0	10.08	AV	122.00	100	Vertical	Pass
5	10850.640	49.01	74.0	24.99	Peak	47.00	300	Vertical	Pass
5**	10850.640	39.74	54.0	14.26	AV	47.00	300	Vertical	Pass
6	17546.779	54.16	74.0	19.84	Peak	49.00	300	Vertical	Pass
6**	17546.779	44.64	54.0	9.36	AV	49.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1392.546	41.48	74.0	32.52	Peak	296.00	400	Horizontal	Pass
1**	1392.546	32.19	54.0	21.81	AV	296.00	400	Horizontal	Pass
2	2974.909	49.42	74.0	24.58	Peak	156.00	400	Horizontal	Pass
2**	2974.909	41.84	54.0	12.16	AV	156.00	400	Horizontal	Pass
3	5042.678	48.83	74.0	25.17	Peak	304.00	200	Horizontal	Pass
3**	5042.678	39.56	54.0	14.44	AV	304.00	200	Horizontal	Pass
4	6536.264	50.29	74.0	23.71	Peak	224.00	100	Horizontal	Pass
4**	6536.264	40.36	54.0	13.64	AV	224.00	100	Horizontal	Pass
5	10526.418	47.16	74.0	26.84	Peak	246.00	200	Horizontal	Pass
5**	10526.418	36.91	54.0	17.09	AV	246.00	200	Horizontal	Pass
6	16370.752	51.01	74.0	22.99	Peak	272.00	300	Horizontal	Pass
6**	16370.752	40.76	54.0	13.24	AV	272.00	300	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	1525.803	44.37	74.0	29.63	Peak	291.00	200	Vertical	Pass
1**	1525.803	34.06	54.0	19.94	AV	291.00	200	Vertical	Pass
2	2973.811	53.68	74.0	20.32	Peak	101.00	400	Vertical	Pass
2**	2973.811	44.40	54.0	9.60	AV	101.00	400	Vertical	Pass
3	4245.882	47.43	74.0	26.58	Peak	26.00	200	Vertical	Pass
3**	4245.882	38.50	54.0	15.50	AV	26.00	200	Vertical	Pass
4	7263.417	54.28	74.0	19.72	Peak	140.00	200	Vertical	Pass
4**	7263.417	44.17	54.0	9.83	AV	140.00	200	Vertical	Pass
5	10855.645	49.65	74.0	24.35	Peak	357.00	300	Vertical	Pass
5**	10855.645	40.21	54.0	13.79	AV	357.00	300	Vertical	Pass
6	17542.431	53.64	74.0	20.36	Peak	202.00	400	Vertical	Pass
6**	17542.431	43.92	54.0	10.08	AV	202.00	400	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	1393.224	42.13	74.0	31.87	Peak	336.00	100	Horizontal	Pass
1**	1393.224	32.07	54.0	21.93	AV	336.00	100	Horizontal	Pass
2	2975.008	50.04	74.0	23.96	Peak	273.00	200	Horizontal	Pass
2**	2975.008	42.54	54.0	11.46	AV	273.00	200	Horizontal	Pass
3	5044.733	49.54	74.0	24.46	Peak	339.00	200	Horizontal	Pass
3**	5044.733	39.31	54.0	14.69	AV	339.00	200	Horizontal	Pass
4	6534.427	50.80	74.0	23.20	Peak	164.00	300	Horizontal	Pass
4**	6534.427	40.47	54.0	13.53	AV	164.00	300	Horizontal	Pass
5	10527.529	46.92	74.0	27.08	Peak	75.00	100	Horizontal	Pass
5**	10527.529	36.79	54.0	17.21	AV	75.00	100	Horizontal	Pass
6	16368.879	50.95	74.0	23.05	Peak	297.00	400	Horizontal	Pass
6**	16368.879	41.12	54.0	12.88	AV	297.00	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	1528.214	44.34	74.0	29.66	Peak	85.00	100	Vertical	Pass
1**	1528.214	33.92	54.0	20.08	AV	85.00	100	Vertical	Pass
2	2973.025	54.15	74.0	19.85	Peak	150.00	400	Vertical	Pass
2**	2973.025	44.01	54.0	9.99	AV	150.00	400	Vertical	Pass
3	4242.892	47.61	74.0	26.40	Peak	176.00	200	Vertical	Pass
3**	4242.892	37.81	54.0	16.19	AV	176.00	200	Vertical	Pass
4	7260.214	54.81	74.0	19.19	Peak	257.00	400	Vertical	Pass
4**	7260.214	43.96	54.0	10.04	AV	257.00	400	Vertical	Pass
5	10853.822	48.21	74.0	25.79	Peak	73.00	100	Vertical	Pass
5**	10853.822	39.31	54.0	14.69	AV	73.00	100	Vertical	Pass
6	17544.793	53.17	74.0	20.83	Peak	296.00	100	Vertical	Pass
6**	17544.793	44.21	54.0	9.79	AV	296.00	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	1395.930	41.14	74.0	32.86	Peak	290.00	100	Horizontal	Pass
1**	1395.930	31.75	54.0	22.25	AV	290.00	100	Horizontal	Pass
2	2972.998	48.79	74.0	25.21	Peak	139.00	100	Horizontal	Pass
2**	2972.998	40.77	54.0	13.23	AV	139.00	100	Horizontal	Pass
3	5041.339	48.67	74.0	25.33	Peak	248.00	200	Horizontal	Pass
3**	5041.339	39.01	54.0	14.99	AV	248.00	200	Horizontal	Pass
4	6533.038	50.15	74.0	23.85	Peak	79.00	400	Horizontal	Pass
4**	6533.038	39.73	54.0	14.27	AV	79.00	400	Horizontal	Pass
5	10532.922	46.55	74.0	27.45	Peak	226.00	400	Horizontal	Pass
5**	10532.922	36.14	54.0	17.86	AV	226.00	400	Horizontal	Pass
6	16373.356	50.34	74.0	23.66	Peak	148.00	100	Horizontal	Pass
6**	16373.356	40.40	54.0	13.60	AV	148.00	100	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	1530.883	43.91	74.0	30.09	Peak	179.00	300	Vertical	Pass
1**	1530.883	33.16	54.0	20.84	AV	179.00	300	Vertical	Pass
2	2979.688	53.10	74.0	20.90	Peak	55.00	100	Vertical	Pass
2**	2979.688	44.32	54.0	9.68	AV	55.00	100	Vertical	Pass
3	4243.192	46.86	74.0	27.15	Peak	335.00	200	Vertical	Pass
3**	4243.192	37.52	54.0	16.48	AV	335.00	200	Vertical	Pass
4	7257.434	53.66	74.0	20.34	Peak	79.00	300	Vertical	Pass
4**	7257.434	44.14	54.0	9.86	AV	79.00	300	Vertical	Pass
5	10852.204	49.44	74.0	24.56	Peak	54.00	100	Vertical	Pass
5**	10852.204	40.10	54.0	13.90	AV	54.00	100	Vertical	Pass
6	17541.846	52.88	74.0	21.12	Peak	303.00	400	Vertical	Pass
6**	17541.846	43.15	54.0	10.85	AV	303.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1392.299	41.00	74.0	33.00	Peak	152.00	200	Horizontal	Pass
1**	1392.299	32.06	54.0	21.94	AV	152.00	200	Horizontal	Pass
2	2972.634	49.14	74.0	24.86	Peak	200.00	300	Horizontal	Pass
2**	2972.634	41.82	54.0	12.18	AV	200.00	300	Horizontal	Pass
3	5043.440	48.13	74.0	25.87	Peak	99.00	200	Horizontal	Pass
3**	5043.440	38.57	54.0	15.43	AV	99.00	200	Horizontal	Pass
4	6537.302	50.27	74.0	23.73	Peak	184.00	400	Horizontal	Pass
4**	6537.302	39.75	54.0	14.25	AV	184.00	400	Horizontal	Pass
5	10529.664	46.28	74.0	27.72	Peak	359.00	300	Horizontal	Pass
5**	10529.664	35.96	54.0	18.04	AV	359.00	300	Horizontal	Pass
6	16371.815	50.18	74.0	23.82	Peak	65.00	400	Horizontal	Pass
6**	16371.815	40.34	54.0	13.66	AV	65.00	400	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	1531.285	44.32	74.0	29.69	Peak	203.00	200	Vertical	Pass
1**	1531.285	33.89	54.0	20.11	AV	203.00	200	Vertical	Pass
2	2974.198	54.09	74.0	19.91	Peak	210.00	400	Vertical	Pass
2**	2974.198	43.98	54.0	10.03	AV	210.00	400	Vertical	Pass
3	4243.872	47.52	74.0	26.48	Peak	283.00	200	Vertical	Pass
3**	4243.872	37.79	54.0	16.21	AV	283.00	200	Vertical	Pass
4	7261.341	54.81	74.0	19.19	Peak	92.00	300	Vertical	Pass
4**	7261.341	43.91	54.0	10.09	AV	92.00	300	Vertical	Pass
5	10853.960	48.13	74.0	25.87	Peak	170.00	200	Vertical	Pass
5**	10853.960	39.28	54.0	14.73	AV	170.00	200	Vertical	Pass
6	17543.778	53.07	74.0	20.93	Peak	290.00	200	Vertical	Pass
6**	17543.778	44.21	54.0	9.79	AV	290.00	200	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	1392.060	42.10	74.0	31.90	Peak	309.00	300	Horizontal	Pass
1**	1392.060	32.05	54.0	21.95	AV	309.00	300	Horizontal	Pass
2	2975.248	49.98	74.0	24.02	Peak	197.00	200	Horizontal	Pass
2**	2975.248	42.45	54.0	11.55	AV	197.00	200	Horizontal	Pass
3	5045.353	49.53	74.0	24.48	Peak	101.00	200	Horizontal	Pass
3**	5045.353	39.26	54.0	14.74	AV	101.00	200	Horizontal	Pass
4	6531.732	50.79	74.0	23.21	Peak	5.00	100	Horizontal	Pass
4**	6531.732	40.42	54.0	13.58	AV	5.00	100	Horizontal	Pass
5	10530.183	46.83	74.0	27.17	Peak	234.00	400	Horizontal	Pass
5**	10530.183	36.71	54.0	17.29	AV	234.00	400	Horizontal	Pass
6	16372.170	50.86	74.0	23.15	Peak	357.00	200	Horizontal	Pass
6**	16372.170	41.07	54.0	12.93	AV	357.00	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	1531.284	43.90	74.0	30.10	Peak	246.00	300	Vertical	Pass
1**	1531.284	33.12	54.0	20.88	AV	246.00	300	Vertical	Pass
2	2973.433	53.06	74.0	20.95	Peak	157.00	100	Vertical	Pass
2**	2973.433	44.31	54.0	9.69	AV	157.00	100	Vertical	Pass
3	4244.664	46.80	74.0	27.20	Peak	168.00	200	Vertical	Pass
3**	4244.664	37.46	54.0	16.54	AV	168.00	200	Vertical	Pass
4	7257.532	53.62	74.0	20.38	Peak	211.00	100	Vertical	Pass
4**	7257.532	44.13	54.0	9.87	AV	211.00	100	Vertical	Pass
5	10854.125	49.40	74.0	24.60	Peak	188.00	100	Vertical	Pass
5**	10854.125	40.02	54.0	13.98	AV	188.00	100	Vertical	Pass
6	17546.958	52.80	74.0	21.20	Peak	349.00	400	Vertical	Pass
6**	17546.958	43.07	54.0	10.93	AV	349.00	400	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	1391.124	42.39	74.0	31.62	Peak	304.00	100	Horizontal	Pass
1**	1391.124	32.94	54.0	21.07	AV	304.00	100	Horizontal	Pass
2	2972.548	50.28	74.0	23.72	Peak	346.00	200	Horizontal	Pass
2**	2972.548	42.61	54.0	11.39	AV	346.00	200	Horizontal	Pass
3	5044.933	49.53	74.0	24.47	Peak	60.00	200	Horizontal	Pass
3**	5044.933	40.04	54.0	13.96	AV	60.00	200	Horizontal	Pass
4	6531.332	51.08	74.0	22.92	Peak	126.00	100	Horizontal	Pass
4**	6531.332	40.81	54.0	13.19	AV	126.00	100	Horizontal	Pass
5	10526.525	47.35	74.0	26.65	Peak	293.00	200	Horizontal	Pass
5**	10526.525	37.19	54.0	16.81	AV	293.00	200	Horizontal	Pass
6	16371.746	50.98	74.0	23.02	Peak	271.00	100	Horizontal	Pass
6**	16371.746	41.74	54.0	12.26	AV	271.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.706	43.93	74.0	30.08	Peak	263.00	100	Vertical	Pass
1**	1528.706	33.83	54.0	20.17	AV	263.00	100	Vertical	Pass
2	2979.189	54.00	74.0	20.00	Peak	241.00	400	Vertical	Pass
2**	2979.189	43.97	54.0	10.04	AV	241.00	400	Vertical	Pass
3	4243.787	46.88	74.0	27.12	Peak	220.00	200	Vertical	Pass
3**	4243.787	37.67	54.0	16.33	AV	220.00	200	Vertical	Pass
4	7260.717	54.28	74.0	19.72	Peak	69.00	100	Vertical	Pass
4**	7260.717	42.99	54.0	11.01	AV	69.00	100	Vertical	Pass
5	10853.602	47.17	74.0	26.83	Peak	147.00	200	Vertical	Pass
5**	10853.602	38.42	54.0	15.59	AV	147.00	200	Vertical	Pass
6	17542.548	52.07	74.0	21.93	Peak	151.00	100	Vertical	Pass
6**	17542.548	43.83	54.0	10.17	AV	151.00	100	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	1395.428	42.45	74.0	31.55	Peak	233.00	100	Horizontal	Pass
1**	1395.428	32.97	54.0	21.03	AV	233.00	100	Horizontal	Pass
2	2976.444	50.28	74.0	23.72	Peak	98.00	200	Horizontal	Pass
2**	2976.444	42.58	54.0	11.42	AV	98.00	200	Horizontal	Pass
3	5043.742	49.58	74.0	24.42	Peak	1.00	200	Horizontal	Pass
3**	5043.742	39.99	54.0	14.01	AV	1.00	200	Horizontal	Pass
4	6538.073	51.07	74.0	22.93	Peak	44.00	100	Horizontal	Pass
4**	6538.073	40.84	54.0	13.16	AV	44.00	100	Horizontal	Pass
5	10526.666	47.34	74.0	26.66	Peak	261.00	300	Horizontal	Pass
5**	10526.666	37.25	54.0	16.75	AV	261.00	300	Horizontal	Pass
6	16369.773	51.07	74.0	22.93	Peak	286.00	200	Horizontal	Pass
6**	16369.773	41.65	54.0	12.35	AV	286.00	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	1524.986	43.81	74.0	30.19	Peak	2.00	300	Vertical	Pass
1**	1524.986	32.43	54.0	21.57	AV	2.00	300	Vertical	Pass
2	2972.961	52.47	74.0	21.54	Peak	191.00	400	Vertical	Pass
2**	2972.961	43.92	54.0	10.08	AV	191.00	400	Vertical	Pass
3	4246.433	46.32	74.0	27.68	Peak	299.00	200	Vertical	Pass
3**	4246.433	36.55	54.0	17.45	AV	299.00	200	Vertical	Pass
4	7259.941	53.47	74.0	20.53	Peak	61.00	200	Vertical	Pass
4**	7259.941	43.52	54.0	10.48	AV	61.00	200	Vertical	Pass
5	10849.804	48.88	74.0	25.12	Peak	298.00	200	Vertical	Pass
5**	10849.804	39.86	54.0	14.14	AV	298.00	200	Vertical	Pass
6	17540.207	52.47	74.0	21.53	Peak	342.00	100	Vertical	Pass
6**	17540.207	43.03	54.0	10.97	AV	342.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1391.672	42.40	74.0	31.60	Peak	227.00	200	Horizontal	Pass
1**	1391.672	32.89	54.0	21.11	AV	227.00	200	Horizontal	Pass
2	2973.982	50.33	74.0	23.67	Peak	353.00	100	Horizontal	Pass
2**	2973.982	42.60	54.0	11.40	AV	353.00	100	Horizontal	Pass
3	5044.207	49.57	74.0	24.43	Peak	102.00	200	Horizontal	Pass
3**	5044.207	40.05	54.0	13.96	AV	102.00	200	Horizontal	Pass
4	6537.131	51.00	74.0	23.00	Peak	150.00	300	Horizontal	Pass
4**	6537.131	40.88	54.0	13.12	AV	150.00	300	Horizontal	Pass
5	10530.162	47.35	74.0	26.66	Peak	30.00	300	Horizontal	Pass
5**	10530.162	37.25	54.0	16.75	AV	30.00	300	Horizontal	Pass
6	16372.366	51.05	74.0	22.95	Peak	333.00	300	Horizontal	Pass
6**	16372.366	41.72	54.0	12.28	AV	333.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1530.025	43.97	74.0	30.03	Peak	54.00	100	Vertical	Pass
1**	1530.025	34.54	54.0	19.46	AV	54.00	100	Vertical	Pass
2	2979.475	53.71	74.0	20.29	Peak	221.00	200	Vertical	Pass
2**	2979.475	44.16	54.0	9.84	AV	221.00	200	Vertical	Pass
3	4245.706	47.60	74.0	26.41	Peak	137.00	200	Vertical	Pass
3**	4245.706	37.69	54.0	16.31	AV	137.00	200	Vertical	Pass
4	7260.214	54.74	74.0	19.26	Peak	31.00	100	Vertical	Pass
4**	7260.214	43.94	54.0	10.06	AV	31.00	100	Vertical	Pass
5	10856.333	49.09	74.0	24.91	Peak	244.00	100	Vertical	Pass
5**	10856.333	40.19	54.0	13.81	AV	244.00	100	Vertical	Pass
6	17546.017	53.91	74.0	20.09	Peak	110.00	100	Vertical	Pass
6**	17546.017	43.66	54.0	10.34	AV	110.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1393.152	41.51	74.0	32.49	Peak	140.00	400	Horizontal	Pass
1**	1393.152	31.81	54.0	22.19	AV	140.00	400	Horizontal	Pass
2	2974.934	49.58	74.0	24.42	Peak	145.00	400	Horizontal	Pass
2**	2974.934	41.40	54.0	12.60	AV	145.00	400	Horizontal	Pass
3	5042.612	48.86	74.0	25.14	Peak	121.00	200	Horizontal	Pass
3**	5042.612	39.68	54.0	14.32	AV	121.00	200	Horizontal	Pass
4	6534.573	50.43	74.0	23.57	Peak	50.00	400	Horizontal	Pass
4**	6534.573	39.79	54.0	14.21	AV	50.00	400	Horizontal	Pass
5	10533.806	46.23	74.0	27.77	Peak	40.00	400	Horizontal	Pass
5**	10533.806	35.98	54.0	18.02	AV	40.00	400	Horizontal	Pass
6	16375.121	50.25	74.0	23.75	Peak	274.00	400	Horizontal	Pass
6**	16375.121	39.96	54.0	14.04	AV	274.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1531.096	43.82	74.0	30.18	Peak	199.00	100	Vertical	Pass
1**	1531.096	34.17	54.0	19.83	AV	199.00	100	Vertical	Pass
2	2973.563	54.05	74.0	19.95	Peak	86.00	200	Vertical	Pass
2**	2973.563	44.30	54.0	9.70	AV	86.00	200	Vertical	Pass
3	4246.646	47.31	74.0	26.70	Peak	125.00	200	Vertical	Pass
3**	4246.646	38.39	54.0	15.61	AV	125.00	200	Vertical	Pass
4	7262.301	54.44	74.0	19.56	Peak	82.00	300	Vertical	Pass
4**	7262.301	44.01	54.0	9.99	AV	82.00	300	Vertical	Pass
5	10852.265	48.63	74.0	25.37	Peak	143.00	300	Vertical	Pass
5**	10852.265	38.74	54.0	15.26	AV	143.00	300	Vertical	Pass
6	17543.520	53.66	74.0	20.34	Peak	112.00	200	Vertical	Pass
6**	17543.520	44.34	54.0	9.66	AV	112.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1392.957	42.32	74.0	31.68	Peak	263.00	300	Horizontal	Pass
1**	1392.957	32.18	54.0	21.82	AV	263.00	300	Horizontal	Pass
2	2971.800	49.40	74.0	24.60	Peak	38.00	200	Horizontal	Pass
2**	2971.800	42.37	54.0	11.63	AV	38.00	200	Horizontal	Pass
3	5047.171	49.07	74.0	24.93	Peak	211.00	200	Horizontal	Pass
3**	5047.171	39.94	54.0	14.06	AV	211.00	200	Horizontal	Pass
4	6537.534	50.52	74.0	23.48	Peak	72.00	300	Horizontal	Pass
4**	6537.534	40.54	54.0	13.46	AV	72.00	300	Horizontal	Pass
5	10531.760	47.26	74.0	26.74	Peak	329.00	400	Horizontal	Pass
5**	10531.760	37.25	54.0	16.75	AV	329.00	400	Horizontal	Pass
6	16372.143	50.93	74.0	23.07	Peak	123.00	200	Horizontal	Pass
6**	16372.143	41.22	54.0	12.78	AV	123.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.097	44.27	74.0	29.73	Peak	328.00	300	Vertical	Pass
1**	1527.097	34.96	54.0	19.04	AV	328.00	300	Vertical	Pass
2	2975.537	54.34	74.0	19.66	Peak	326.00	200	Vertical	Pass
2**	2975.537	44.37	54.0	9.63	AV	326.00	200	Vertical	Pass
3	4248.855	48.19	74.0	25.82	Peak	71.00	200	Vertical	Pass
3**	4248.855	38.15	54.0	15.85	AV	71.00	200	Vertical	Pass
4	7262.834	54.43	74.0	19.57	Peak	311.00	200	Vertical	Pass
4**	7262.834	44.03	54.0	9.97	AV	311.00	200	Vertical	Pass
5	10854.685	49.49	74.0	24.51	Peak	309.00	300	Vertical	Pass
5**	10854.685	39.70	54.0	14.30	AV	309.00	300	Vertical	Pass
6	17544.483	53.69	74.0	20.31	Peak	250.00	100	Vertical	Pass
6**	17544.483	43.73	54.0	10.27	AV	250.00	100	Vertical	Pass

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

Note¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

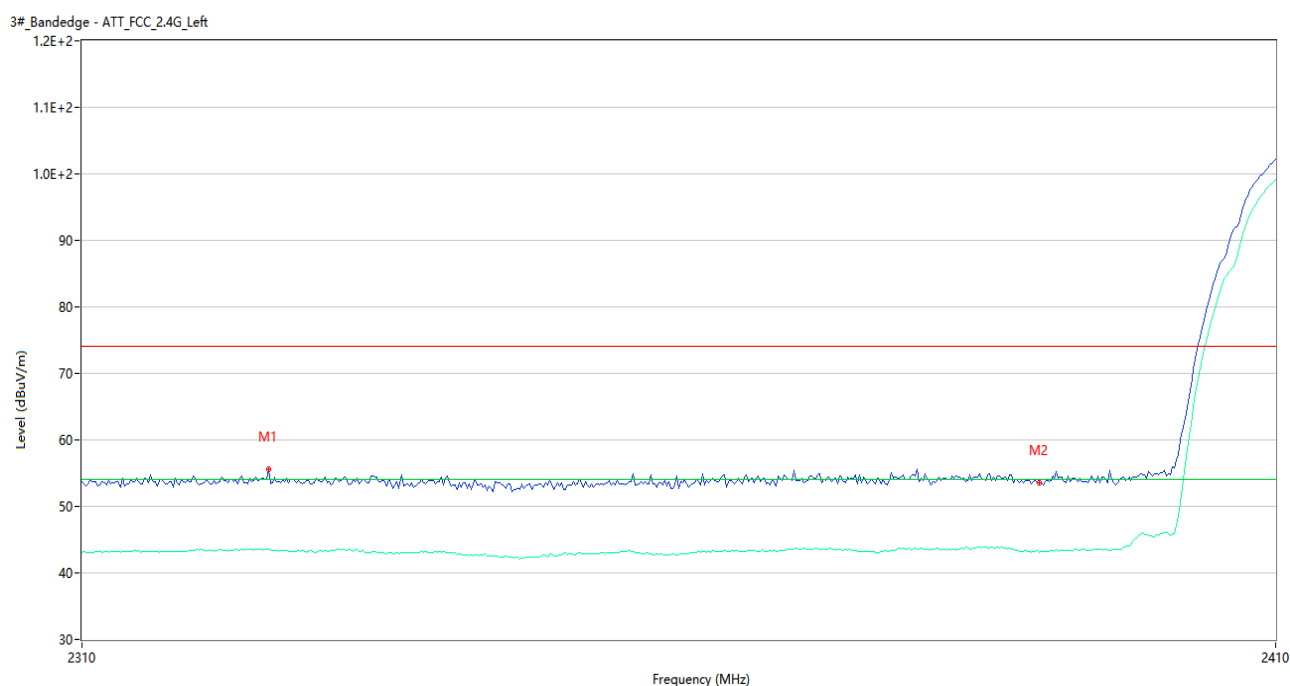
Note²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note³: 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.

Note⁴: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

Test Data and Plots

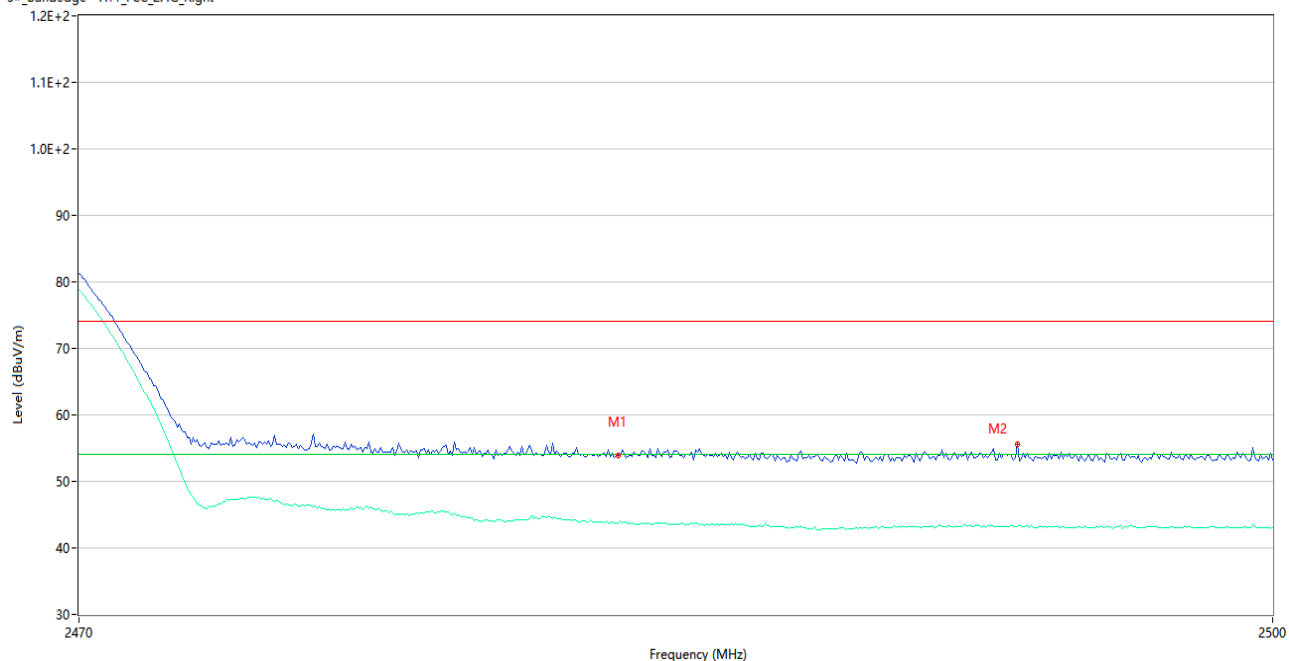
802.11b LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2323.933	54.69	74.0	19.31	Peak	130.00	300	Horizontal	Pass
1**	2323.933	44.77	54.0	9.23	AV	130.00	300	Horizontal	Pass
2	2390.000	53.24	74.0	20.76	Peak	205.00	300	Horizontal	Pass
2**	2390.000	42.08	54.0	11.92	AV	205.00	300	Horizontal	Pass

802.11b HIGH CHANNEL

3#_Bandedge - ATT_FCC_2.4G_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.84	74.0	20.16	Peak	106.00	300	Horizontal	Pass
1**	2483.500	44.43	54.0	9.57	AV	106.00	300	Horizontal	Pass
2	2495.959	55.35	74.0	18.65	Peak	62.00	200	Horizontal	Pass
2**	2495.959	42.44	54.0	11.56	AV	62.00	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	2335.075	55.45	74.0	18.55	Peak	131.00	100	Horizontal	Pass
1**	2335.075	43.44	54.0	10.56	AV	131.00	100	Horizontal	Pass
2	2390.000	56.36	74.0	17.64	Peak	131.00	100	Horizontal	Pass
2**	2390.000	44.24	54.0	9.76	AV	131.00	100	Horizontal	Pass

802.11g HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.25	74.0	18.75	Peak	147.00	100	Horizontal	Pass
1**	2483.500	43.97	54.0	10.03	AV	147.00	100	Horizontal	Pass
2	2486.085	56.60	74.0	17.40	Peak	347.00	300	Horizontal	Pass
2**	2486.085	43.94	54.0	10.06	AV	347.00	300	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	2388.826	56.32	74.0	17.68	Peak	1.00	300	Horizontal	Pass
1**	2388.826	44.12	54.0	9.88	AV	1.00	300	Horizontal	Pass
2	2390.000	56.33	74.0	17.67	Peak	37.00	300	Horizontal	Pass
2**	2390.000	44.16	54.0	9.84	AV	37.00	300	Horizontal	Pass

802.11n20 HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	59.13	74.0	14.87	Peak	171.00	100	Horizontal	Pass
1**	2483.500	44.27	54.0	9.73	AV	171.00	100	Horizontal	Pass
2	2484.608	59.33	74.0	14.67	Peak	302.00	200	Horizontal	Pass
2**	2484.608	44.15	54.0	9.85	AV	302.00	200	Horizontal	Pass

802.11n40 LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2379.789	55.70	74.0	18.30	Peak	37.00	200	Horizontal	Pass
1**	2379.789	42.45	54.0	11.55	AV	37.00	200	Horizontal	Pass
2	2390.000	53.65	74.0	20.35	Peak	103.00	200	Horizontal	Pass
2**	2390.000	43.84	54.0	10.16	AV	103.00	200	Horizontal	Pass

802.11n40 HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	60.94	74.0	13.06	Peak	19.00	200	Horizontal	Pass
1**	2483.500	44.41	54.0	9.59	AV	19.00	200	Horizontal	Pass
2	2486.234	60.45	74.0	13.55	Peak	127.00	200	Horizontal	Pass
2**	2486.234	44.63	54.0	9.37	AV	127.00	200	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-19.26	8	Pass
Middle	-18.94	8	Pass
High	-18.41	8	Pass

802.11g Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-24.76	8	Pass
Middle	-24.62	8	Pass
High	-24.65	8	Pass

802.11n-20 MHz Mode:

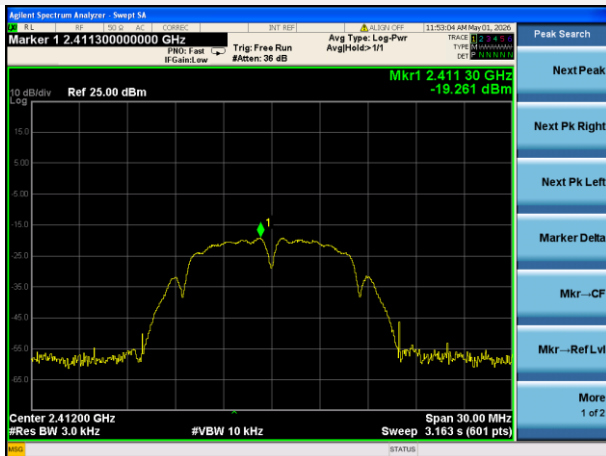
Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-24.11	8	Pass
Middle	-23.36	8	Pass
High	-23.38	8	Pass

802.11n-40 MHz Mode:

Channel	Spectral Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-24.53	8	Pass
Middle	-25.12	8	Pass
High	-25.28	8	Pass

Test Plots

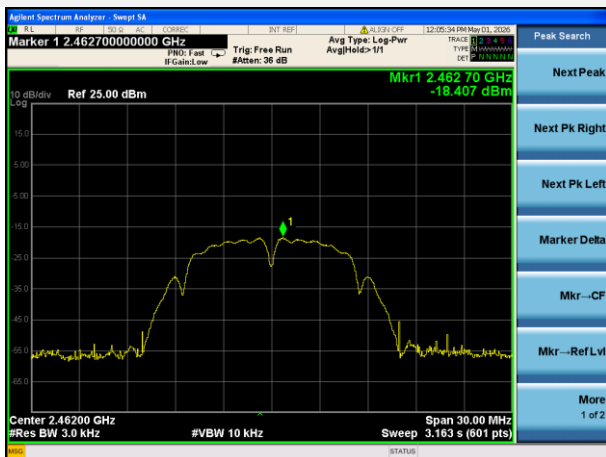
802.11b LOW CHANNEL



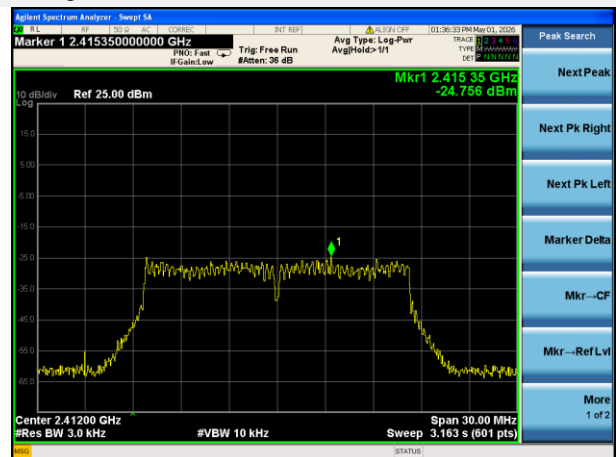
802.11b MIDDLE CHANNEL



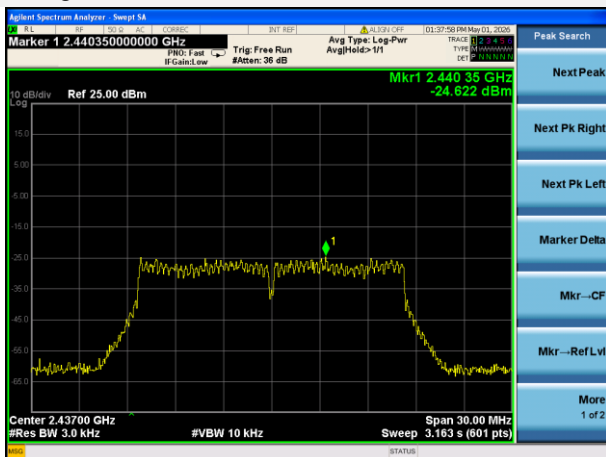
802.11b HIGH CHANNEL



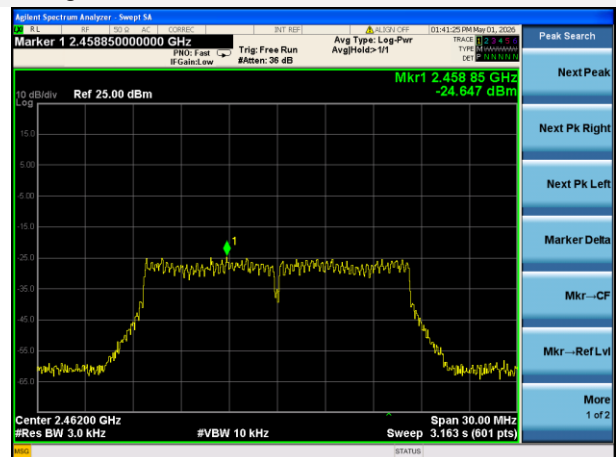
802.11g LOW CHANNEL



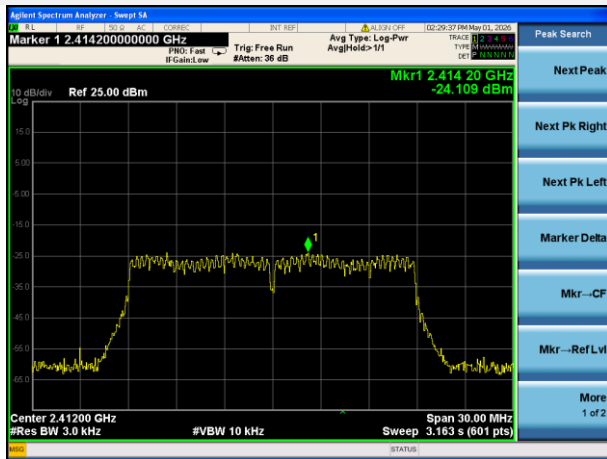
802.11g MIDDLE CHANNEL



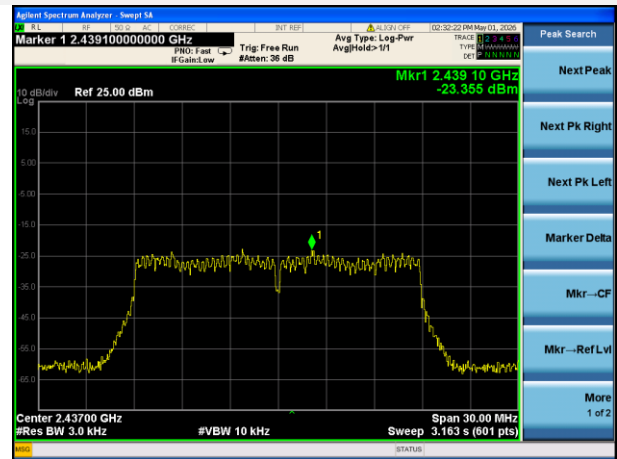
802.11g HIGH CHANNEL



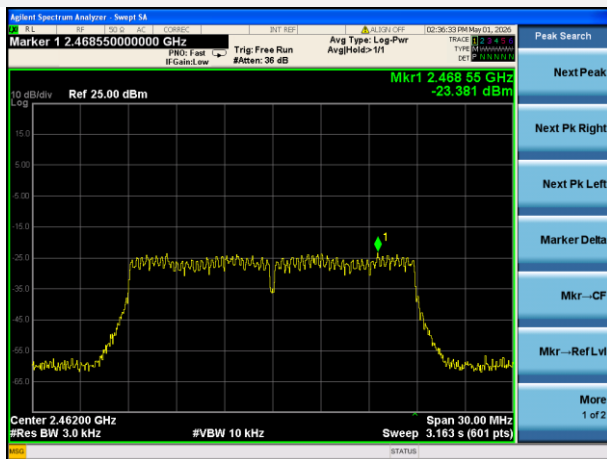
802.11n-20 MHz LOW CHANNEL



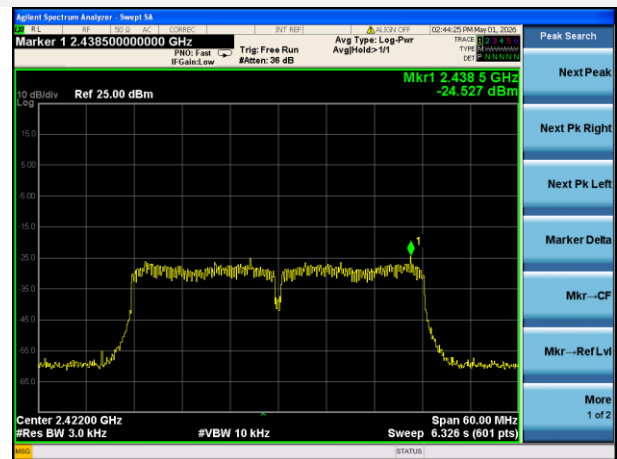
802.11n-20 MHz MIDDLE CHANNEL



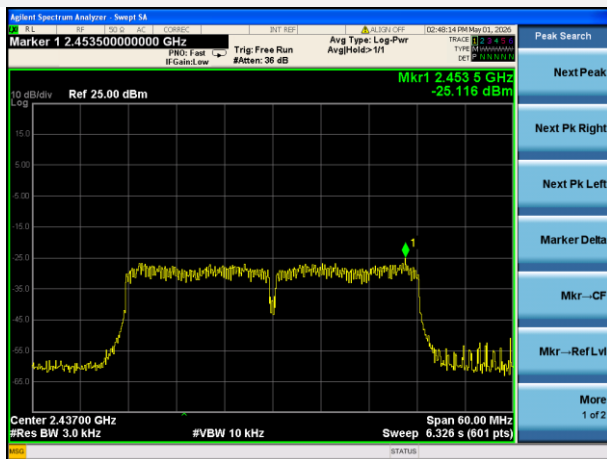
802.11n-20 MHz HIGH CHANNEL



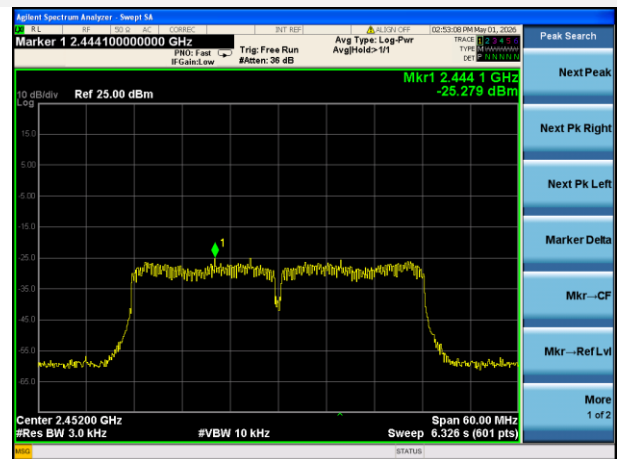
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26040641-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26040641-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26040641-AI.PDF”.

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