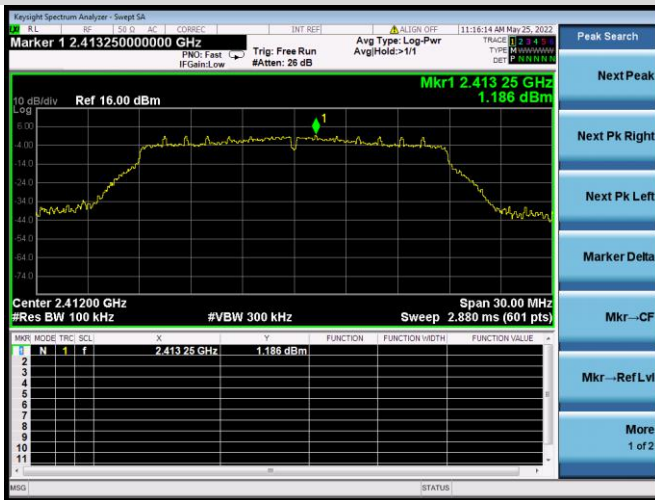
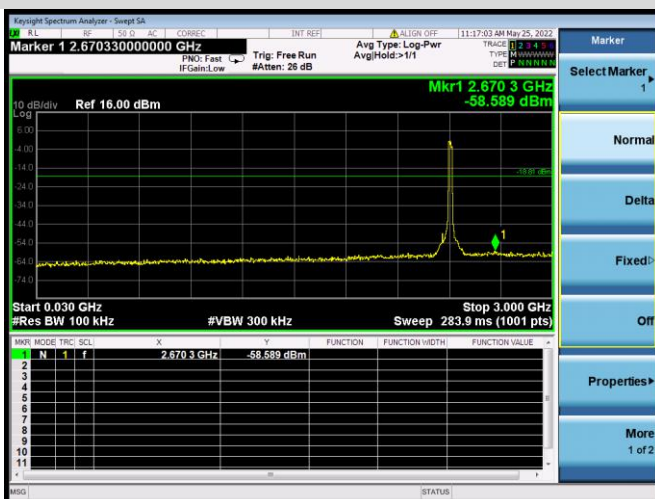


MIMO-Aux. Antenna

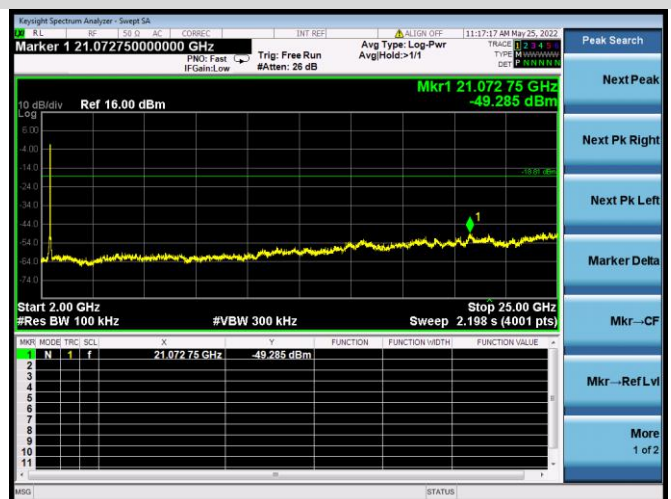
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL



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



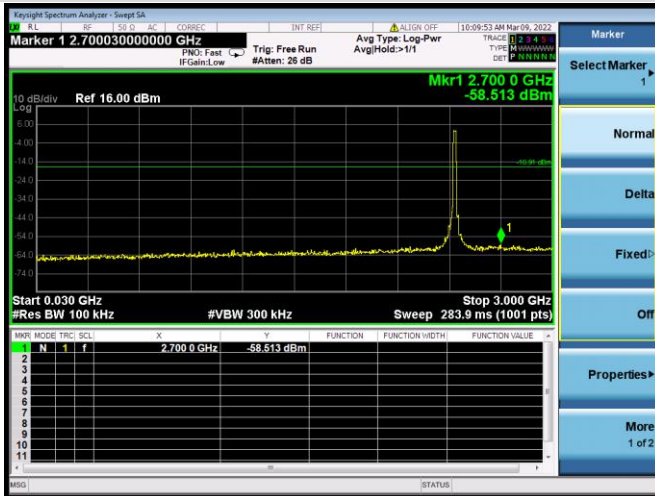
802.11n-20 MHz LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



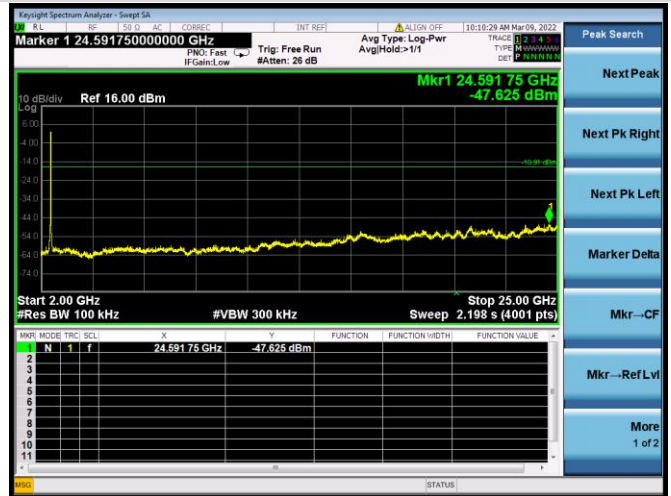
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



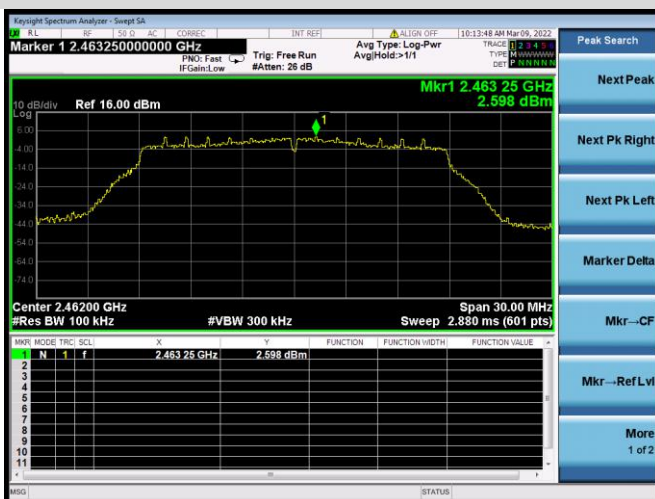
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



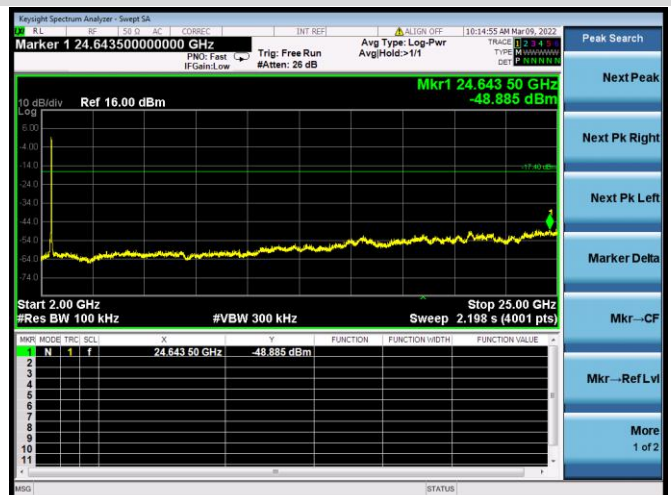
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



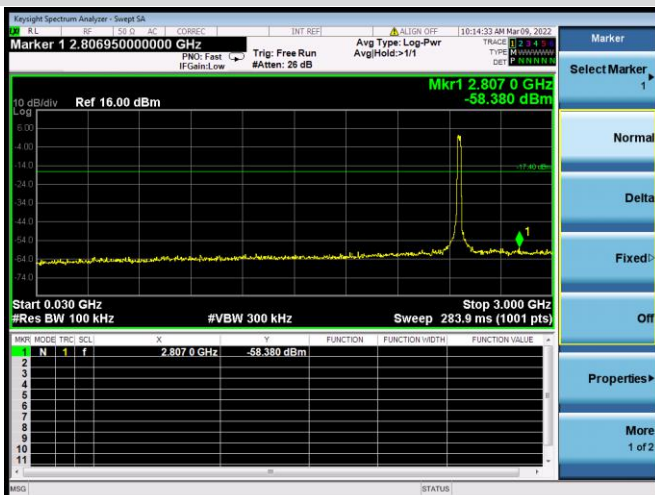
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



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



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



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

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

Note 2: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

Main Antenna

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-47.84	7.74	-12.26	Pass
High Channel	-55.14	8.29	-11.71	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-38.68	1.01	-18.99	Pass
High Channel	-46.78	2.21	-17.79	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-41.86	-0.47	-20.47	Pass
High Channel	-50.61	-0.16	-20.16	Pass

Aux. Antenna

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-47.74	10.08	-9.92	Pass
High Channel	-53.51	10.10	-9.90	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-34.90	4.77	-15.23	Pass
High Channel	-42.99	5.33	-14.67	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-38.55	3.02	-16.98	Pass
High Channel	-47.82	4.71	-15.29	Pass

MIMO-Main Antenna

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-35.96	1.72	-18.28	Pass
High Channel	-46.34	3.35	-16.65	Pass

MIMO-Aux. Antenna

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-40.22	1.19	-18.81	Pass
High Channel	-35.16	2.60	-17.40	Pass

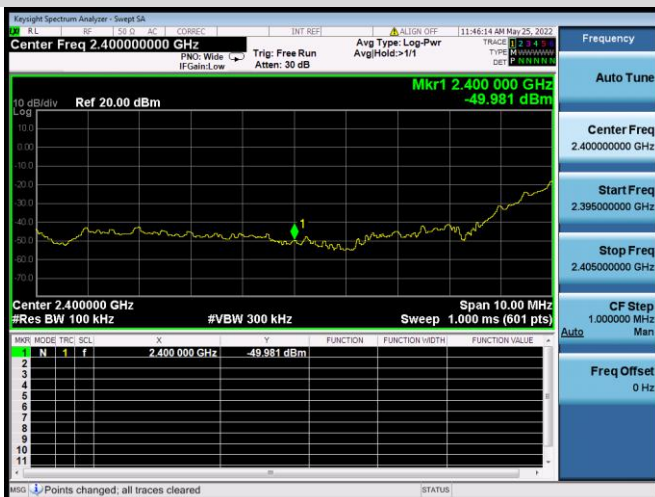
Test Plots

Main Antenna

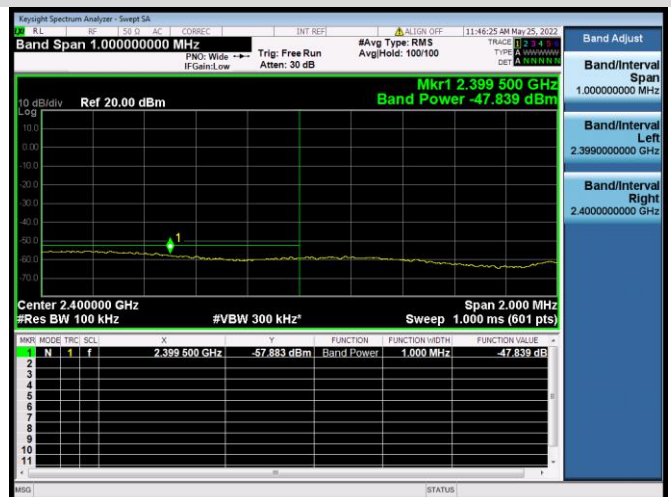
802.11b LOW CHANNEL, CARRIER LEVEL



802.11b LOW CHANNEL, REFERENCE LEVEL



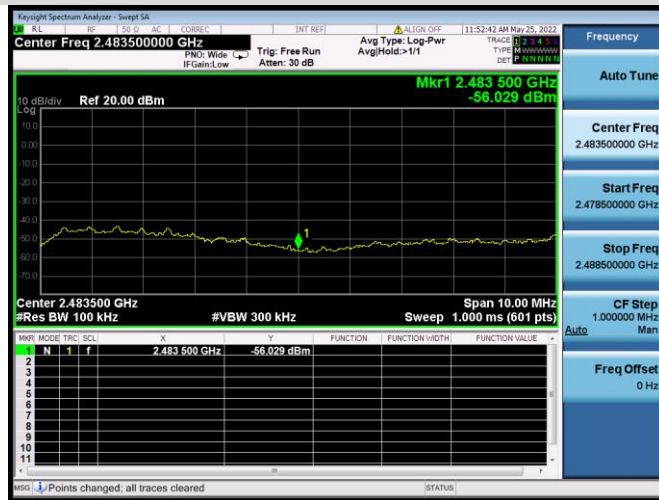
802.11b LOW CHANNEL, BAND EDGE



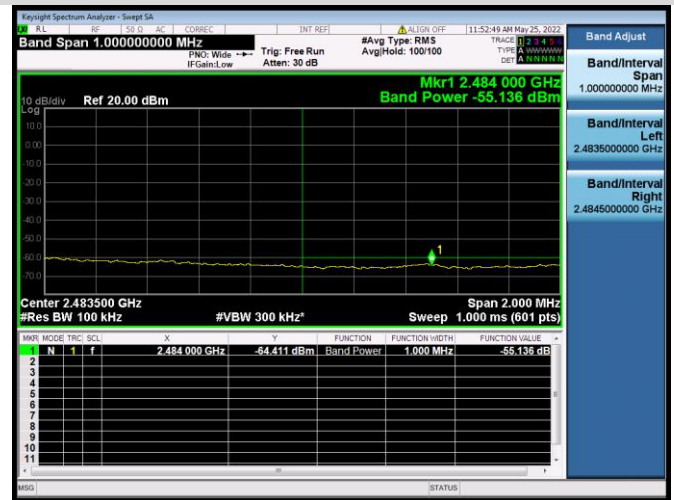
802.11b HIGH CHANNEL, CARRIER LEVEL



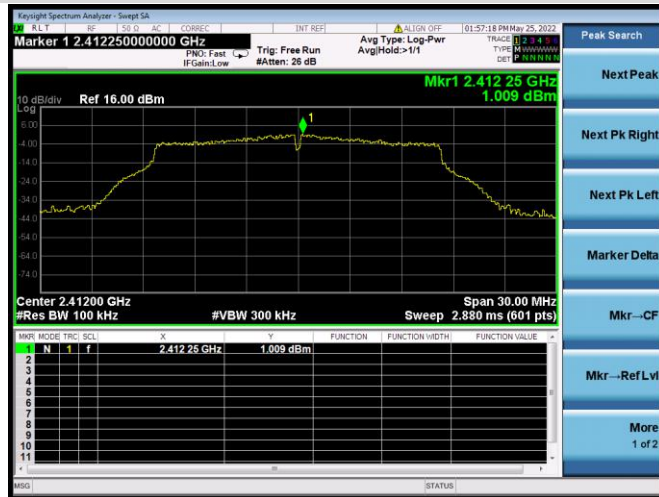
802.11b HIGH CHANNEL, REFERENCE LEVEL



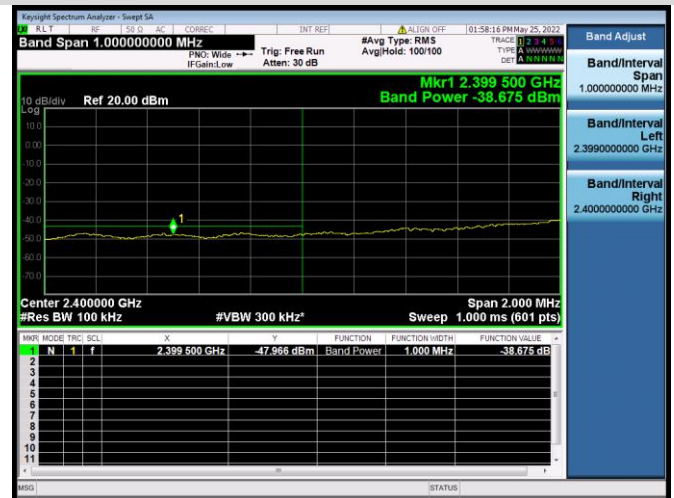
802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



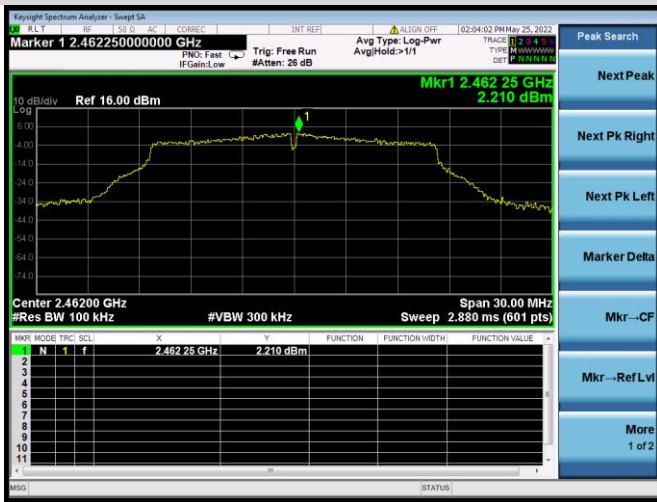
802.11g LOW CHANNEL, BAND EDGE



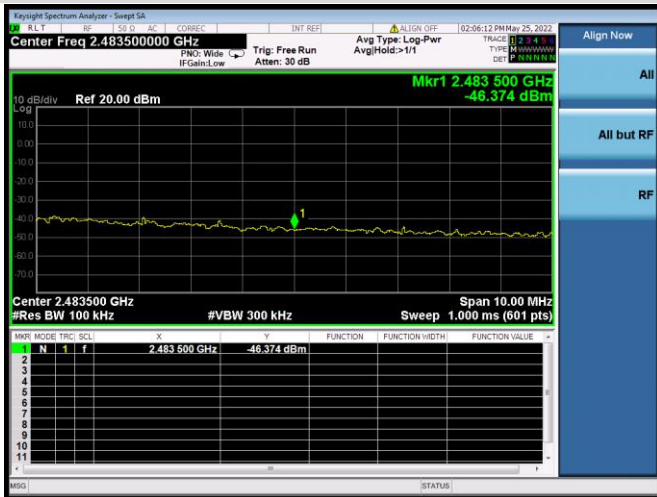
802.11g LOW CHANNEL, REFERENCE LEVEL



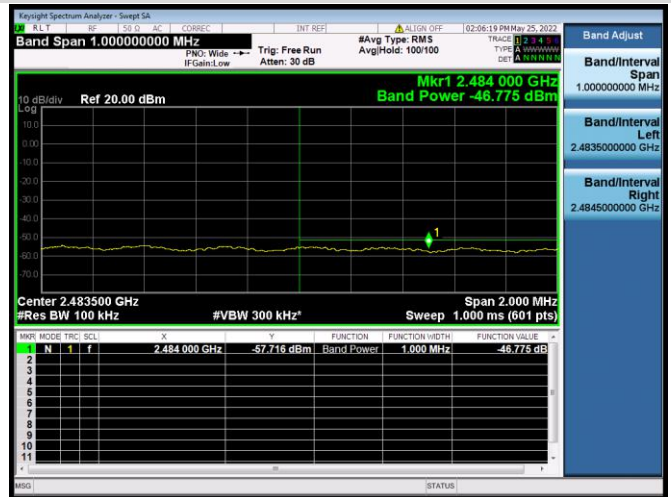
802.11g HIGH CHANNEL, CARRIER LEVEL



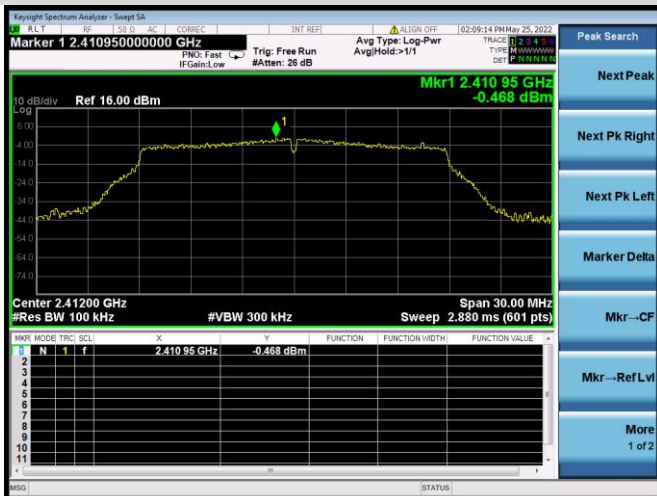
802.11g HIGH CHANNEL, REFERENCE LEVEL



802.11g HIGH CHANNEL, BAND EDGE



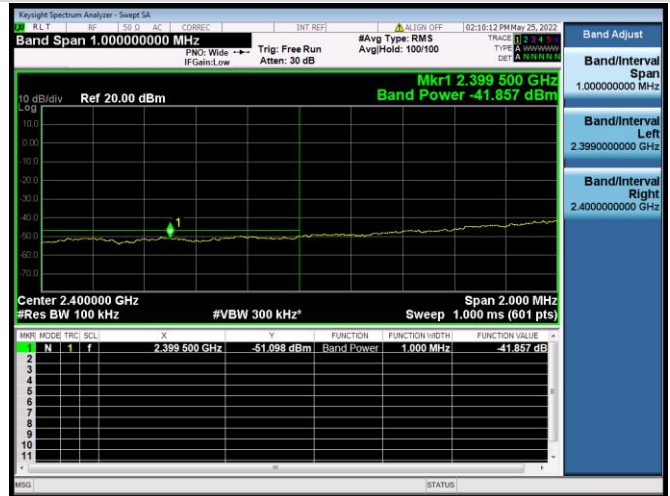
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



802.11n-20 MHz LOW CHANNEL, REFERENCE LEVEL



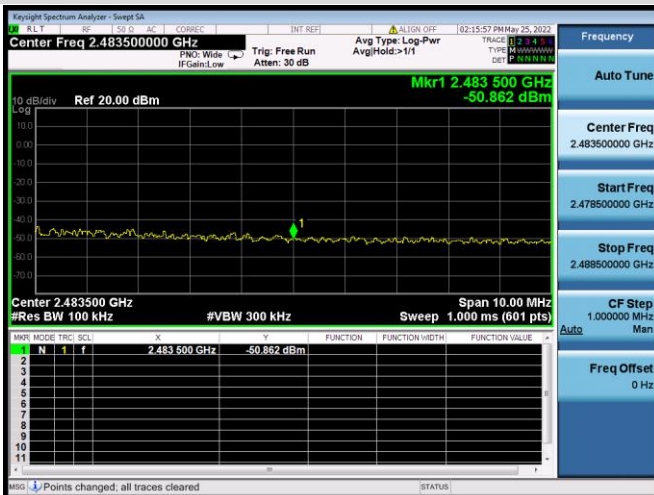
802.11n-20 MHz LOW CHANNEL, BAND EDGE



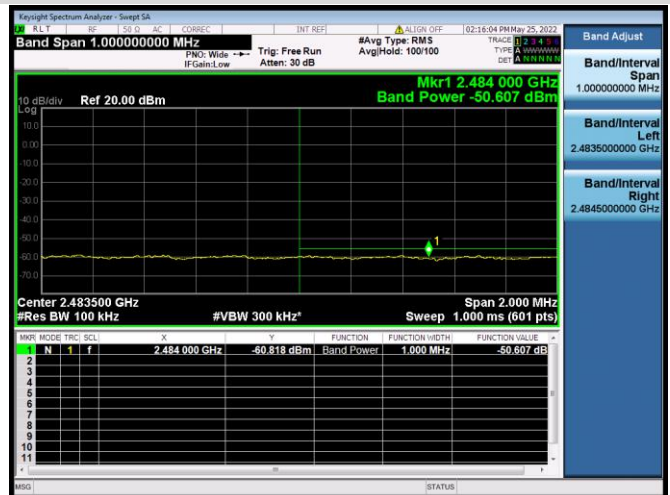
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, REFERENCE LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE

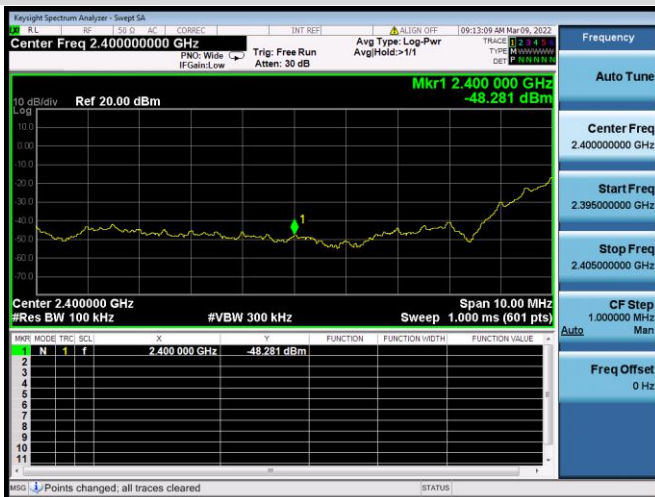


Aux. Antenna

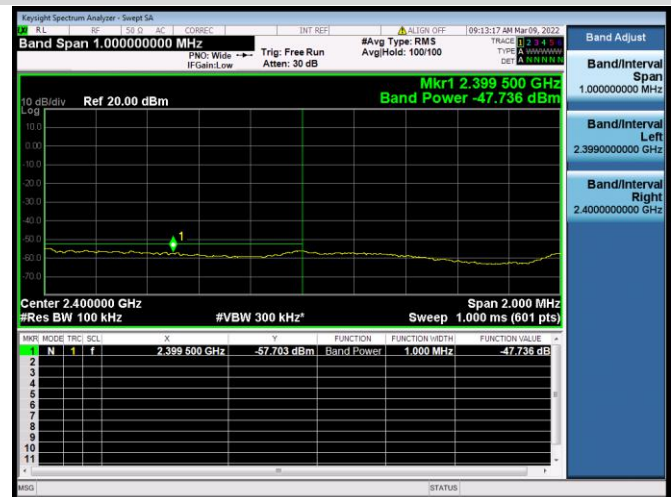
802.11b LOW CHANNEL, CARRIER LEVEL



802.11b LOW CHANNEL, REFERENCE LEVEL



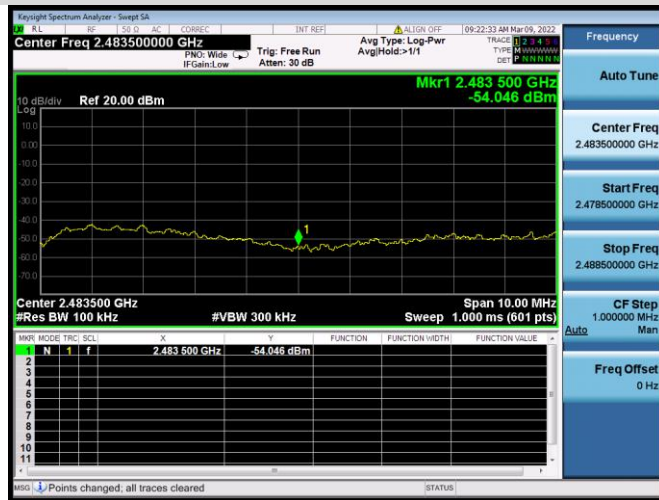
802.11b LOW CHANNEL, BAND EDGE



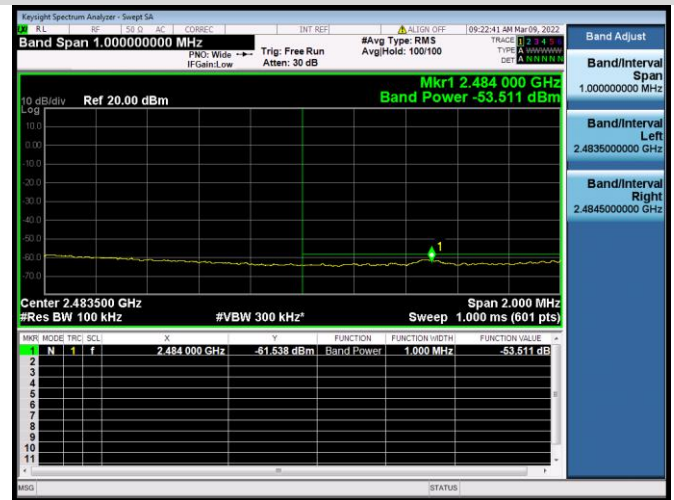
802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, REFERENCE LEVEL



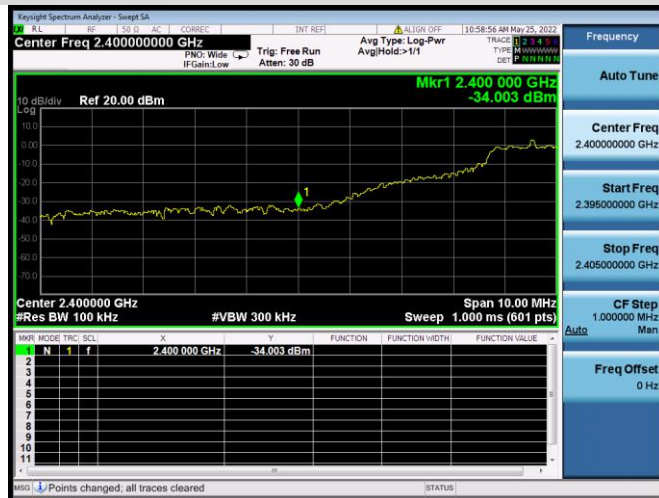
802.11b HIGH CHANNEL, BAND EDGE



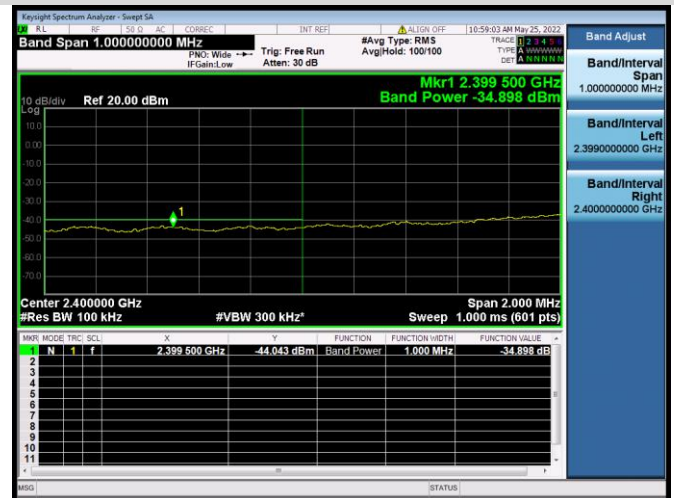
802.11g LOW CHANNEL, CARRIER LEVEL



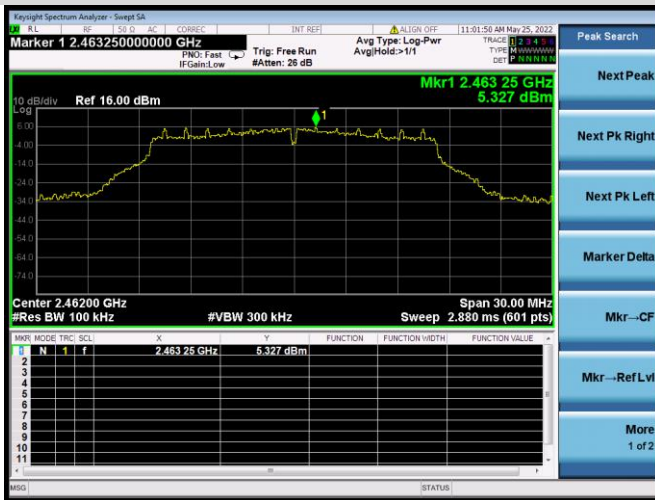
802.11g LOW CHANNEL, REFERENCE LEVEL



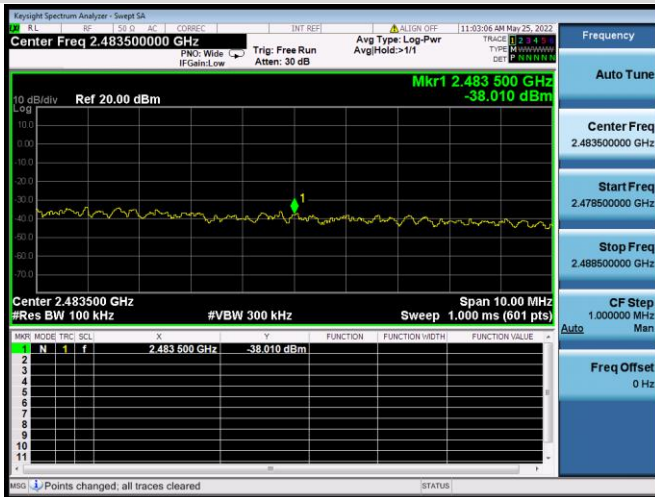
802.11g LOW CHANNEL, BAND EDGE



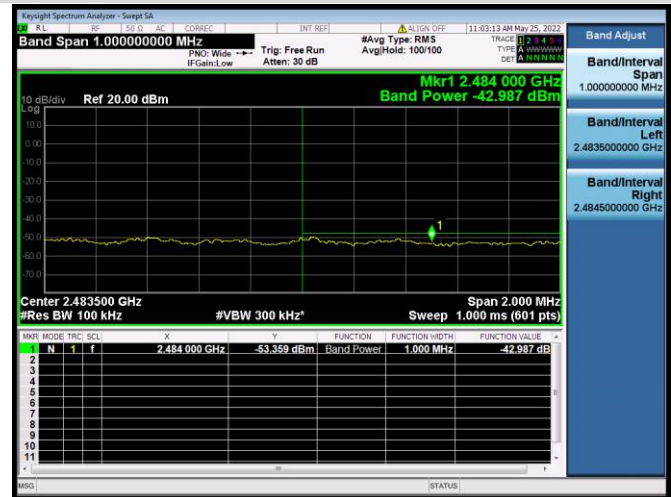
802.11g HIGH CHANNEL, CARRIER LEVEL



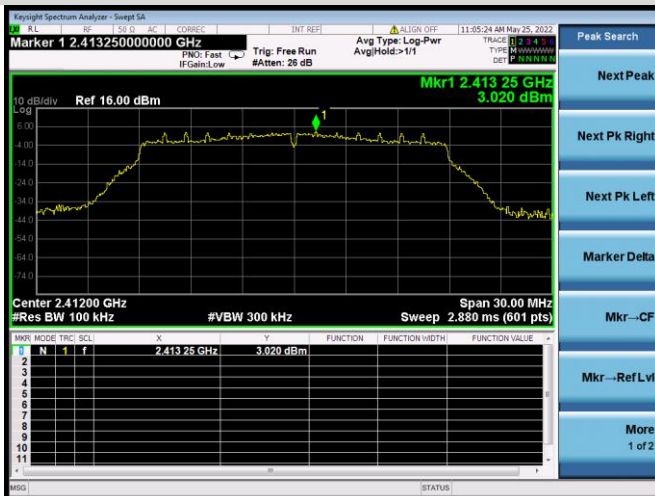
802.11g HIGH CHANNEL, REFERENCE LEVEL



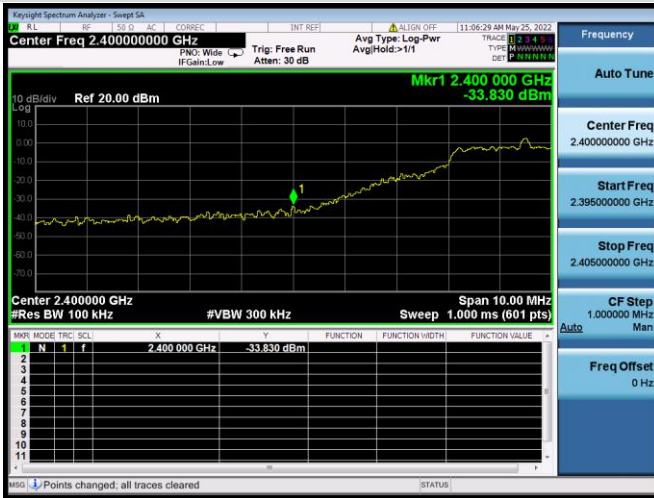
802.11g HIGH CHANNEL, BAND EDGE



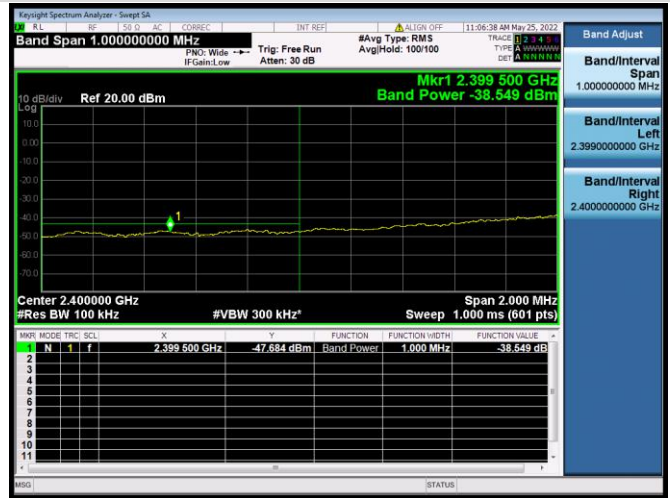
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



802.11n-20 MHz LOW CHANNEL, REFERENCE LEVEL



802.11n-20 MHz LOW CHANNEL, BAND EDGE

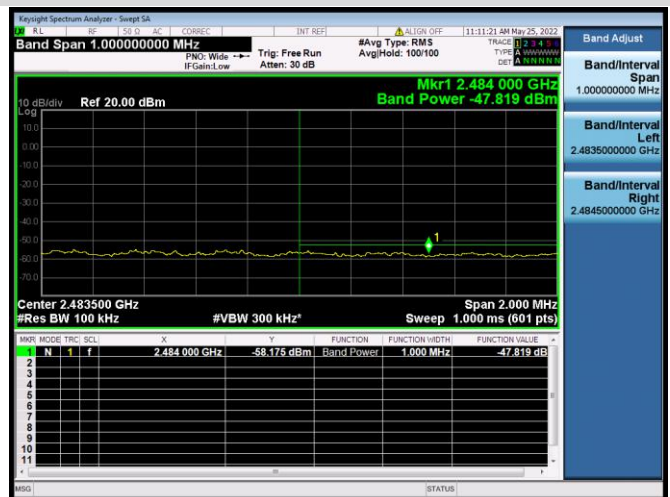
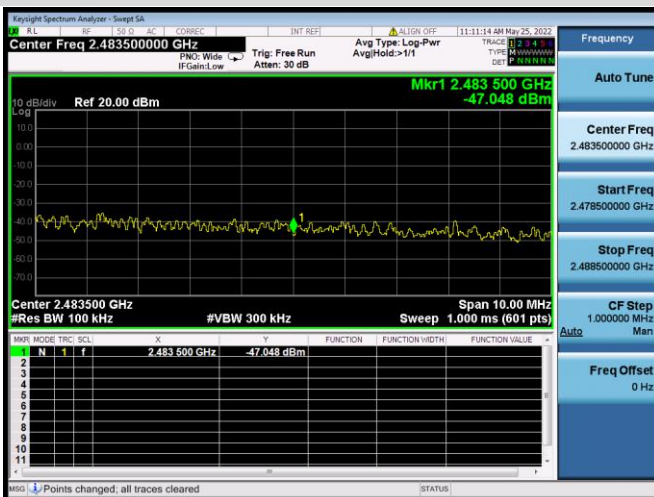


802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



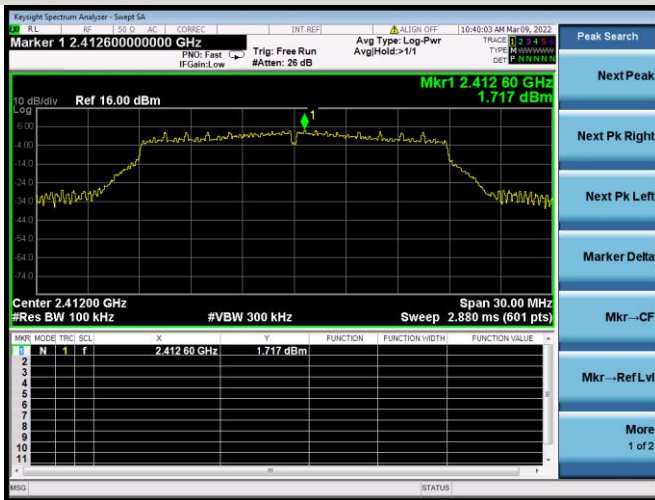
802.11n-20 MHz HIGH CHANNEL, BAND EDGE

802.11n-20 MHz HIGH CHANNEL, REFERENCE LEVEL

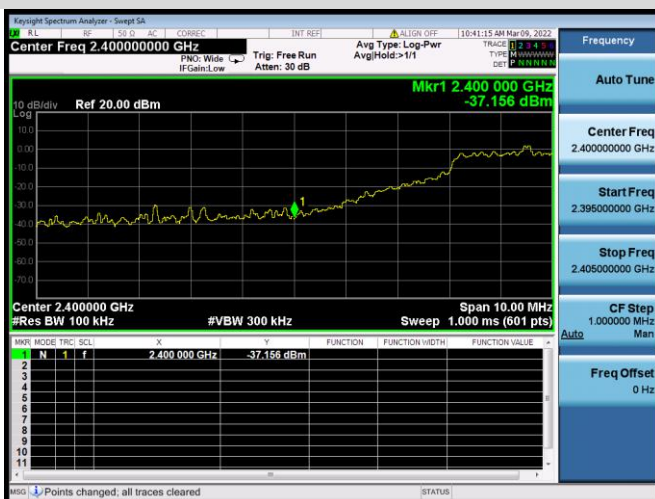


MIMO-Main Antenna

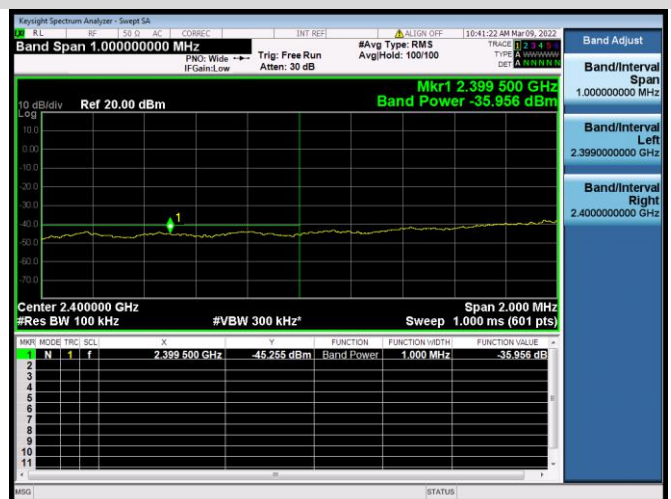
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



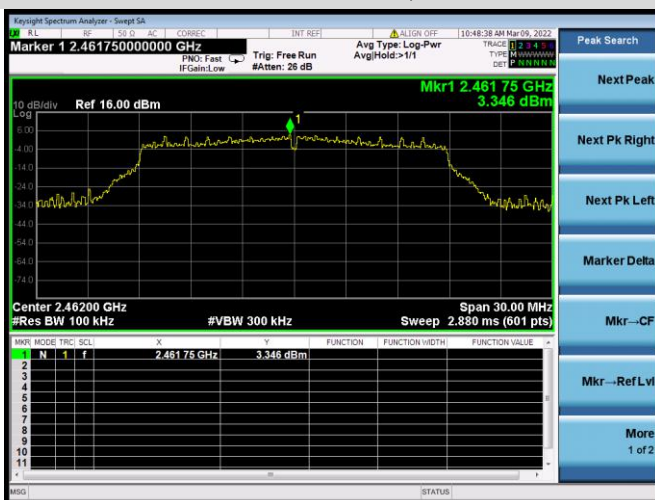
802.11n-20 MHz LOW CHANNEL, REFERENCE LEVEL



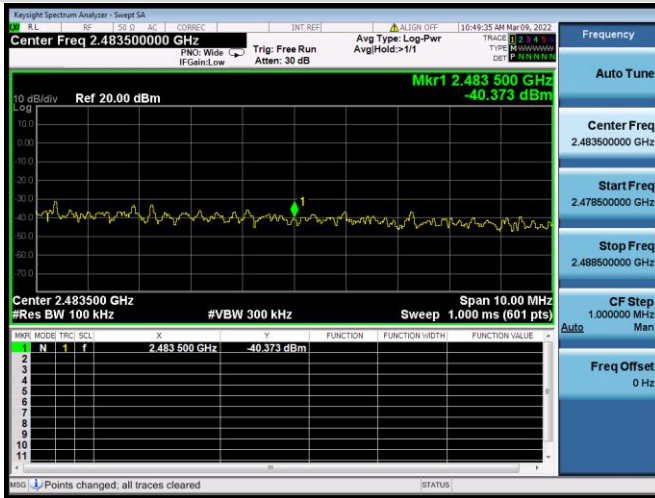
802.11n-20 MHz LOW CHANNEL, BAND EDGE



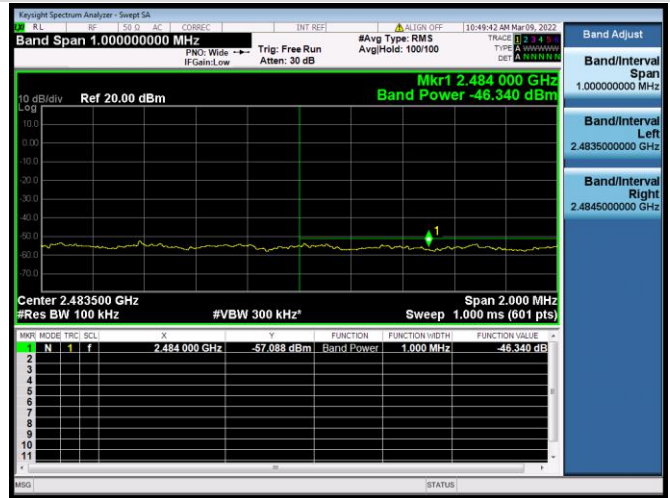
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, REFERENCE LEVEL

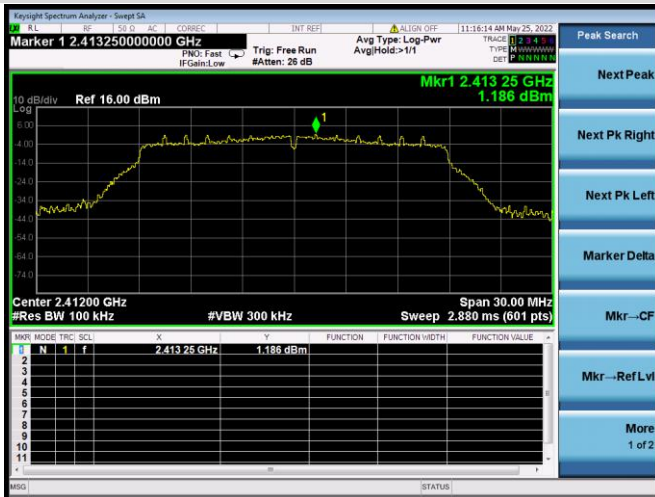


802.11n-20 MHz HIGH CHANNEL, BAND EDGE

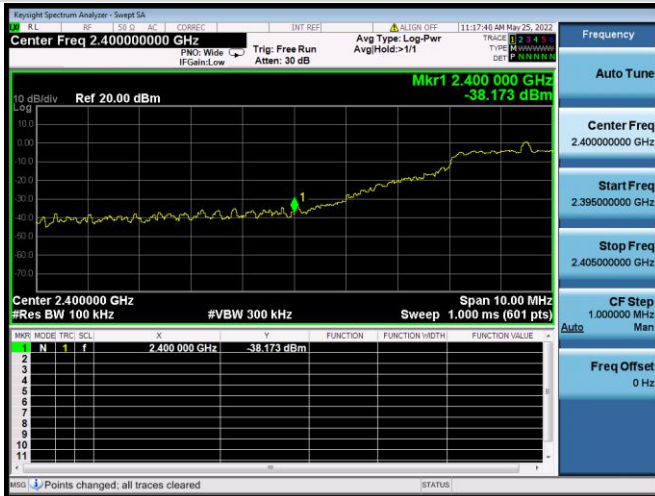


MIMO-Aux. Antenna

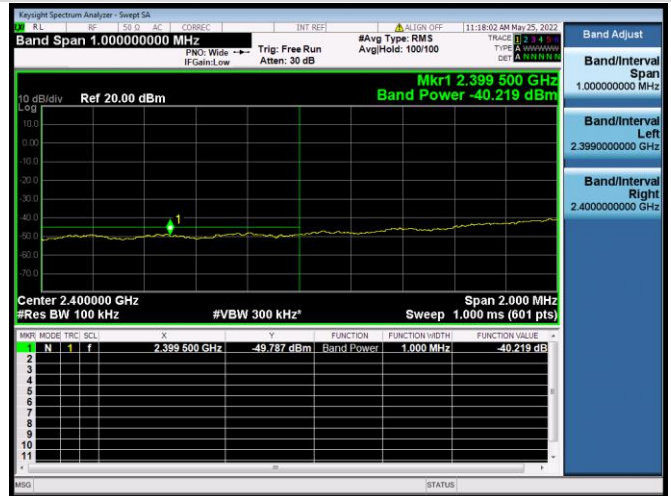
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



802.11n-20 MHz LOW CHANNEL, REFERENCE LEVEL



802.11n-20 MHz LOW CHANNEL, BAND EDGE

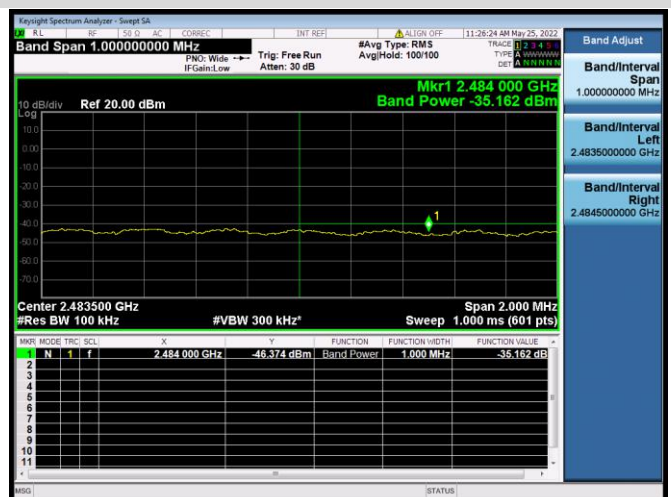
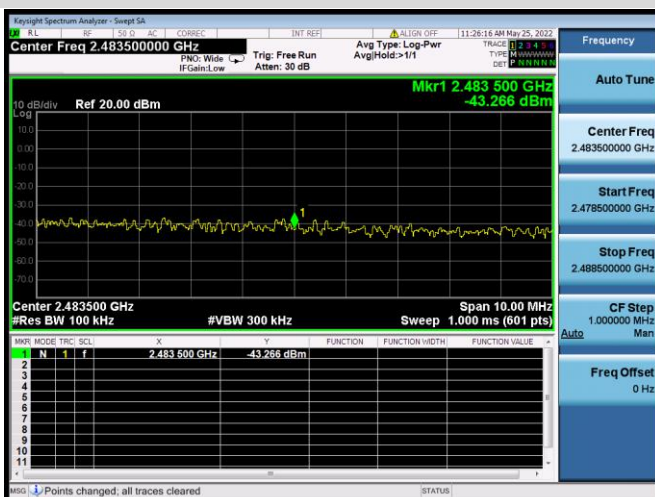


802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE

802.11n-20 MHz HIGH CHANNEL, REFERENCE LEVEL



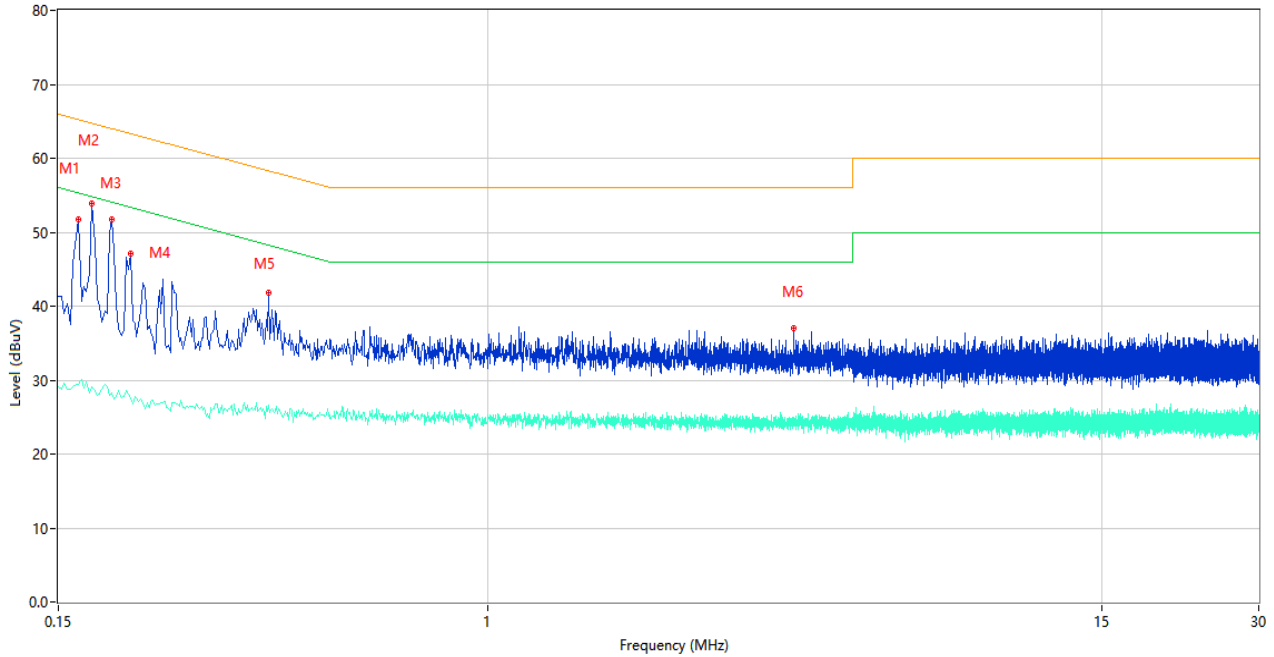
A.5 Conducted Emissions

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

Test Data and Plots

PHASE L

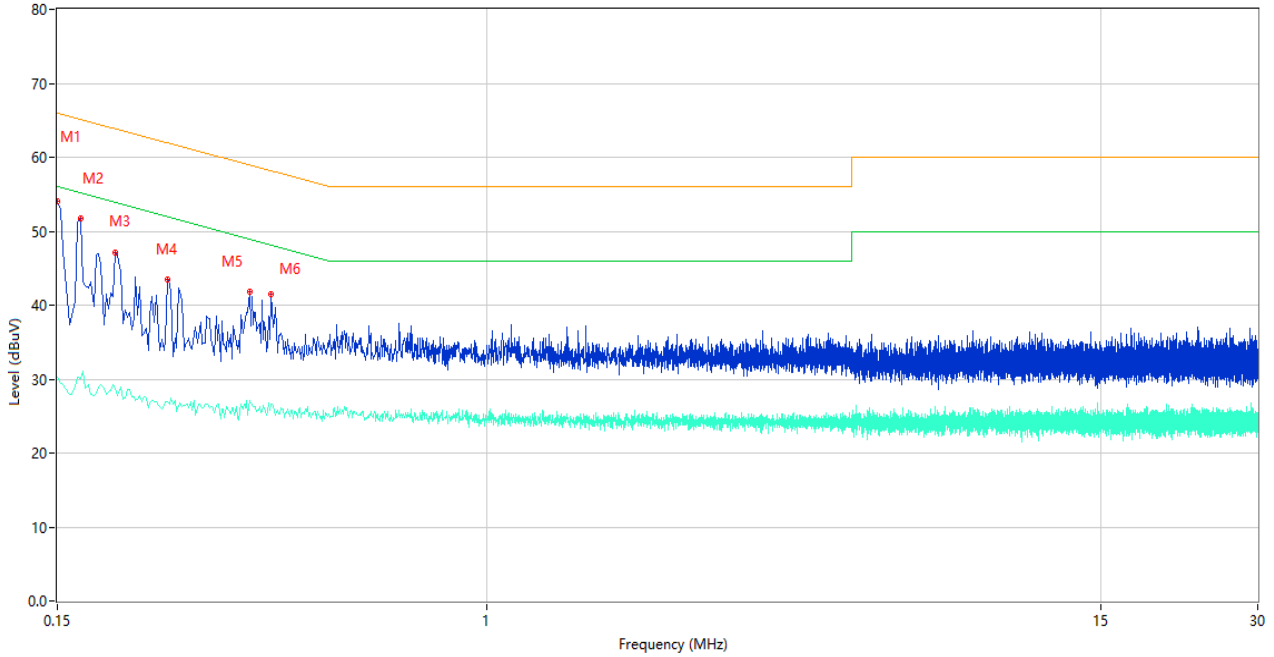
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.164	51.75	10.98	65.26	-13.51	Peak	L	Pass
1**	0.164	29.48	10.98	55.26	-25.78	AV	L	Pass
2	0.174	53.86	10.98	64.77	-10.91	Peak	L	Pass
2**	0.174	29.04	10.98	54.77	-25.73	AV	L	Pass
3	0.190	51.70	10.96	64.04	-12.34	Peak	L	Pass
3**	0.190	28.25	10.96	54.04	-25.79	AV	L	Pass
4	0.206	47.03	10.95	63.37	-16.34	Peak	L	Pass
4**	0.206	27.60	10.95	53.37	-25.77	AV	L	Pass
5	0.380	41.89	10.90	58.28	-16.39	Peak	L	Pass
5**	0.380	26.57	10.90	48.28	-21.71	AV	L	Pass
6	3.858	37.08	10.72	56.00	-18.92	Peak	L	Pass
6**	3.858	24.95	10.72	46.00	-21.05	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.150	53.97	11.00	66.00	-12.03	Peak	N	Pass
1**	0.150	30.24	11.00	56.00	-25.76	AV	N	Pass
2	0.166	51.82	10.98	65.16	-13.34	Peak	N	Pass
2**	0.166	30.13	10.98	55.16	-25.03	AV	N	Pass
3	0.194	47.03	10.96	63.86	-16.83	Peak	N	Pass
3**	0.194	28.81	10.96	53.86	-25.05	AV	N	Pass
4	0.244	43.53	10.92	61.96	-18.43	Peak	N	Pass
4**	0.244	27.02	10.92	51.96	-24.94	AV	N	Pass
5	0.350	41.77	10.89	58.96	-17.19	Peak	N	Pass
5**	0.350	27.14	10.89	48.96	-21.82	AV	N	Pass
6	0.386	41.43	10.90	58.15	-16.72	Peak	N	Pass
6**	0.386	26.58	10.90	48.15	-21.57	AV	N	Pass

A.6 Radiated Emission

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

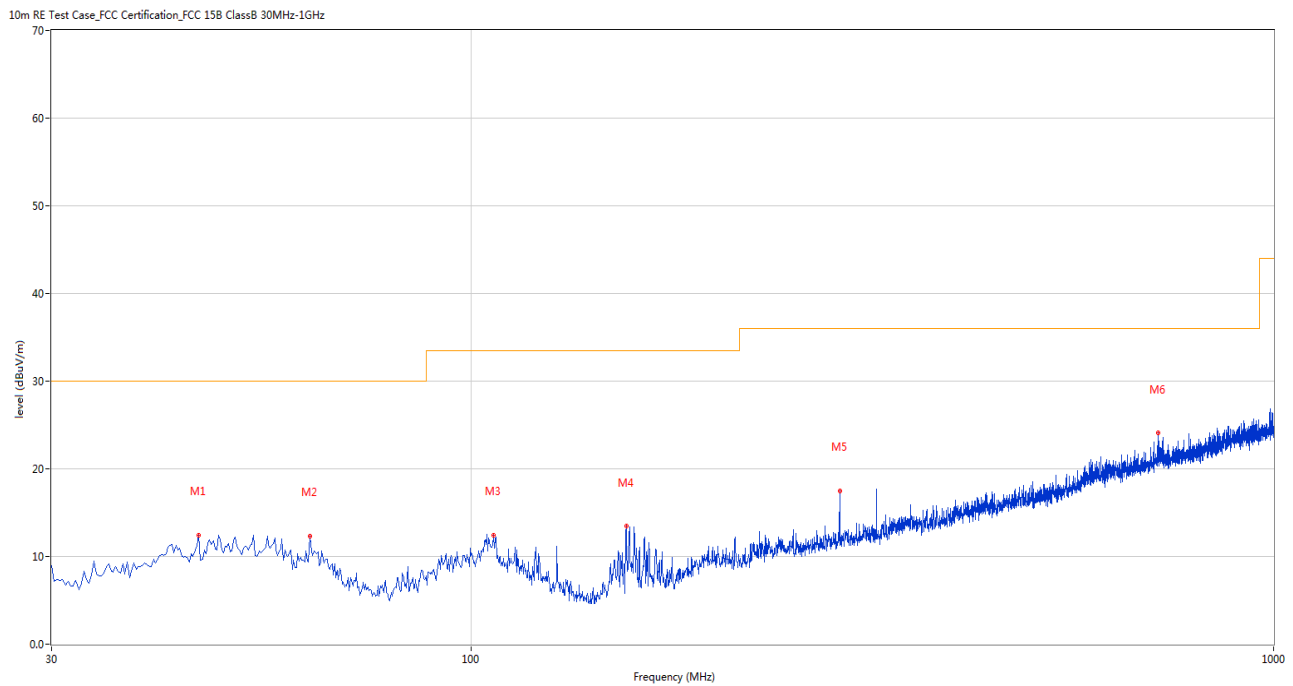
Note ²: For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

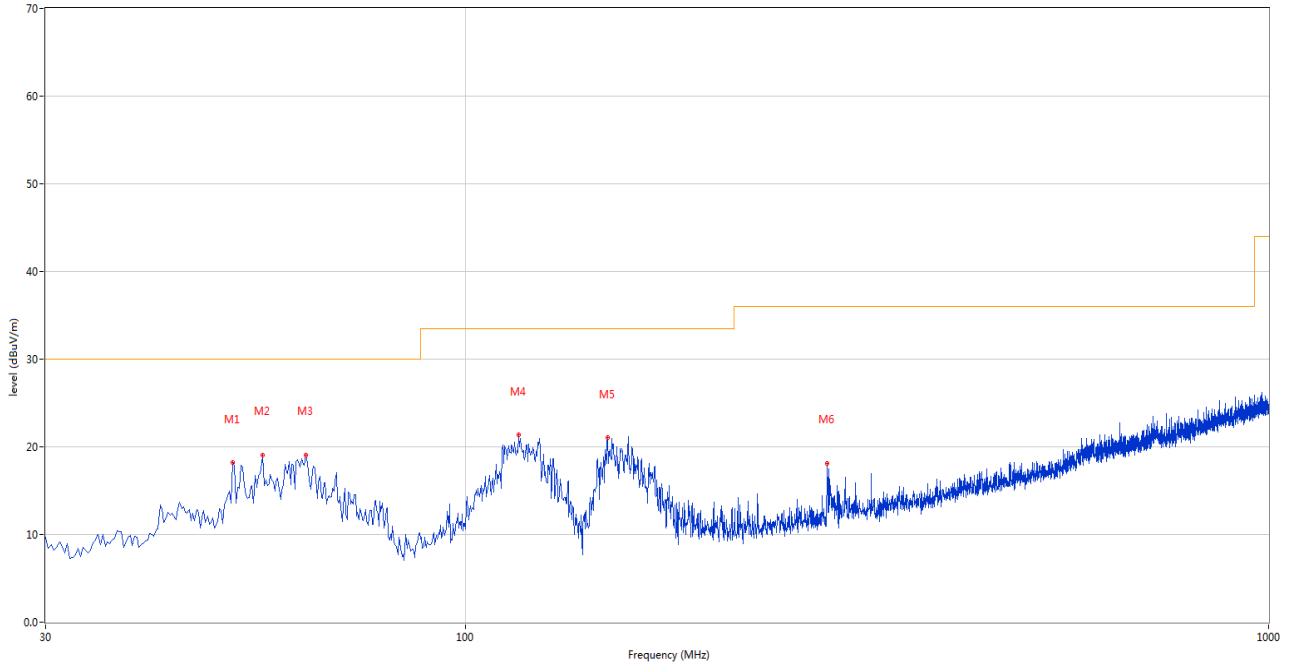
30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	45.759	12.46	-26.20	30.0	-17.54	Peak	272.00	200	Horizontal	Pass
2	62.972	12.35	-28.08	30.0	-17.65	Peak	0.00	200	Horizontal	Pass
3	106.611	12.46	-27.91	33.5	-21.04	Peak	287.00	200	Horizontal	Pass
4	156.068	13.42	-31.07	33.5	-20.08	Peak	247.00	200	Horizontal	Pass
5	287.956	17.52	-25.38	36.0	-18.48	Peak	75.00	200	Horizontal	Pass
6	718.770	24.05	-15.78	36.0	-11.95	Peak	115.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

10m RE Test Case_FCC Certification_FCC 15B ClassB 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	51.335	18.20	-26.20	30.0	-11.80	Peak	241.00	200	Vertical	Pass
2	55.941	19.01	-26.79	30.0	-10.99	Peak	176.00	200	Vertical	Pass
3	63.214	19.06	-28.07	30.0	-10.94	Peak	99.00	100	Vertical	Pass
4	116.551	21.32	-29.07	33.5	-12.18	Peak	260.00	100	Vertical	Pass
5	150.250	21.03	-31.36	33.5	-12.47	Peak	245.00	100	Vertical	Pass
6	282.137	18.12	-25.52	36.0	-17.88	Peak	220.00	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.

Main Antenna

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	1536.500	46.01	-17.73	74.0	-27.99	Peak	231.00	150	Horizontal	Pass
1**	1536.500	43.66	-17.73	54.0	-10.34	AV	231.00	150	Horizontal	Pass
2	2412.000	105.14	-12.80	74.0	31.14	Peak	208.00	150	Horizontal	N/A
2**	2412.000	101.07	-12.80	54.0	47.07	AV	208.00	150	Horizontal	N/A
3	4823.750	52.90	-2.00	74.0	-21.10	Peak	289.00	150	Horizontal	Pass
3**	4823.750	47.89	-2.00	54.0	-6.11	AV	289.00	150	Horizontal	Pass
4	6761.500	53.14	0.38	74.0	-20.86	Peak	129.00	150	Horizontal	Pass
4**	6761.500	44.31	0.38	54.0	-9.69	AV	129.00	150	Horizontal	Pass
5	10916.000	50.00	-2.47	74.0	-24.00	Peak	86.00	150	Horizontal	Pass
5**	10916.000	39.41	-2.47	54.0	-14.59	AV	86.00	150	Horizontal	Pass
6	16910.000	51.62	-0.71	74.0	-22.38	Peak	152.00	150	Horizontal	Pass
6**	16910.000	41.62	-0.71	54.0	-12.38	AV	152.00	150	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	1536.600	48.24	-17.73	74.0	-25.76	Peak	256.00	150	Vertical	Pass
1**	1536.600	46.89	-17.73	54.0	-7.11	AV	256.00	150	Vertical	Pass
2	1619.900	45.89	-17.80	74.0	-28.11	Peak	83.00	150	Vertical	Pass
2**	1619.900	36.63	-17.80	54.0	-17.37	AV	83.00	150	Vertical	Pass
3	2412.000	97.07	-12.80	74.0	23.07	Peak	85.00	150	Vertical	N/A
3**	2412.000	92.42	-12.80	54.0	38.42	AV	85.00	150	Vertical	N/A
4	4773.000	50.23	-1.77	74.0	-23.77	Peak	341.00	150	Vertical	Pass
4**	4773.000	40.56	-1.77	54.0	-13.44	AV	341.00	150	Vertical	Pass
5	7420.250	53.56	1.77	74.0	-20.44	Peak	102.00	150	Vertical	Pass
5**	7420.250	44.48	1.77	54.0	-9.52	AV	102.00	150	Vertical	Pass
6	13454.500	51.78	0.45	74.0	-22.22	Peak	98.00	150	Vertical	Pass
6**	13454.500	41.66	0.45	54.0	-12.34	AV	98.00	150	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	1437.800	43.26	-17.60	74.0	-30.74	Peak	92.00	150	Horizontal	Pass
1**	1437.800	33.50	-17.60	54.0	-20.50	AV	92.00	150	Horizontal	Pass
2	1536.700	52.50	-17.73	74.0	-21.50	Peak	82.00	150	Horizontal	Pass
2**	1536.700	50.43	-17.73	54.0	-3.57	AV	82.00	150	Horizontal	Pass
3	2438.150	104.86	-12.87	74.0	30.86	Peak	122.00	150	Horizontal	N/A
3**	2438.150	101.86	-12.87	54.0	47.86	AV	122.00	150	Horizontal	N/A
4	3073.750	46.49	-7.73	74.0	-27.51	Peak	78.00	150	Horizontal	Pass
4**	3073.750	41.05	-7.73	54.0	-12.95	AV	78.00	150	Horizontal	Pass
5	4874.000	54.98	-2.25	74.0	-19.02	Peak	70.00	150	Horizontal	Pass
5**	4874.000	50.53	-2.25	54.0	-3.47	AV	70.00	150	Horizontal	Pass
6	13681.000	52.34	1.28	74.0	-21.66	Peak	6.00	150	Horizontal	Pass
6**	13681.000	42.42	1.28	54.0	-11.58	AV	6.00	150	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	1536.700	48.15	-17.73	74.0	-25.85	Peak	119.00	150	Vertical	Pass
1**	1536.700	46.98	-17.73	54.0	-7.02	AV	119.00	150	Vertical	Pass
2	1865.400	56.70	-16.93	74.0	-17.30	Peak	198.00	150	Vertical	Pass
2**	1865.400	49.63	-16.93	54.0	-4.37	AV	198.00	150	Vertical	Pass
3	2438.150	101.40	-12.87	74.0	27.40	Peak	65.00	150	Vertical	N/A
3**	2438.150	98.57	-12.87	54.0	44.57	AV	65.00	150	Vertical	N/A
4	2792.300	52.76	-10.75	74.0	-21.24	Peak	185.00	150	Vertical	Pass
4**	2792.300	32.86	-10.75	54.0	-21.14	AV	185.00	150	Vertical	Pass
5	7221.500	55.34	1.61	74.0	-18.66	Peak	155.00	150	Vertical	Pass
5**	7221.500	44.82	1.61	54.0	-9.18	AV	155.00	150	Vertical	Pass
6	13585.000	52.74	0.45	74.0	-21.26	Peak	58.00	150	Vertical	Pass
6**	13585.000	43.41	0.45	54.0	-10.59	AV	58.00	150	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	1536.800	51.23	-17.73	74.0	-22.77	Peak	31.00	150	Horizontal	Pass
1**	1536.800	50.36	-17.73	54.0	-3.64	AV	31.00	150	Horizontal	Pass
2	1864.000	45.34	-16.91	74.0	-28.66	Peak	198.00	150	Horizontal	Pass
2**	1864.000	35.52	-16.91	54.0	-18.48	AV	198.00	150	Horizontal	Pass
3	2461.900	104.59	-12.92	74.0	30.59	Peak	204.00	150	Horizontal	N/A
3**	2461.900	101.03	-12.92	54.0	47.03	AV	204.00	150	Horizontal	N/A
4	3763.000	48.32	-3.73	74.0	-25.68	Peak	9.00	150	Horizontal	Pass
4**	3763.000	37.50	-3.73	54.0	-16.50	AV	9.00	150	Horizontal	Pass
5	4924.000	54.86	-2.07	74.0	-19.14	Peak	73.00	150	Horizontal	Pass
5**	4924.000	50.14	-2.07	54.0	-3.86	AV	73.00	150	Horizontal	Pass
6	15251.500	53.28	0.85	74.0	-20.72	Peak	207.00	150	Horizontal	Pass
6**	15251.500	43.53	0.85	54.0	-10.47	AV	207.00	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	1536.900	48.54	-17.73	74.0	-25.46	Peak	119.00	150	Vertical	Pass
1**	1536.900	46.97	-17.73	54.0	-7.03	AV	119.00	150	Vertical	Pass
2	1864.000	54.98	-16.91	74.0	-19.02	Peak	190.00	150	Vertical	Pass
2**	1864.000	36.29	-16.91	54.0	-17.71	AV	190.00	150	Vertical	Pass
3	2460.800	101.93	-12.91	74.0	27.93	Peak	65.00	150	Vertical	N/A
3**	2460.800	99.04	-12.91	54.0	45.04	AV	65.00	150	Vertical	N/A
4	3191.250	52.50	-7.90	74.0	-21.50	Peak	173.00	150	Vertical	Pass
4**	3191.250	36.62	-7.90	54.0	-17.38	AV	173.00	150	Vertical	Pass
5	6899.500	54.36	0.58	74.0	-19.64	Peak	40.00	150	Vertical	Pass
5**	6899.500	43.54	0.58	54.0	-10.46	AV	40.00	150	Vertical	Pass
6	12553.500	51.56	-1.42	74.0	-22.44	Peak	11.00	150	Vertical	Pass
6**	12553.500	40.93	-1.42	54.0	-13.07	AV	11.00	150	Vertical	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	1198.600	40.07	-18.15	74.0	-33.93	Peak	139.00	150	Horizontal	Pass
1**	1198.600	34.25	-18.15	54.0	-19.75	AV	139.00	150	Horizontal	Pass
2	1440.000	43.16	-17.60	74.0	-30.84	Peak	163.00	150	Horizontal	Pass
2**	1440.000	35.35	-17.60	54.0	-18.65	AV	163.00	150	Horizontal	Pass
3	2410.500	107.78	-12.76	74.0	33.78	Peak	98.00	150	Horizontal	N/A
3**	2410.500	101.38	-12.76	54.0	47.38	AV	98.00	150	Horizontal	N/A
4	3196.250	47.78	-7.97	74.0	-26.22	Peak	242.00	150	Horizontal	Pass
4**	3196.250	36.29	-7.97	54.0	-17.71	AV	242.00	150	Horizontal	Pass
5	4819.750	50.62	-1.93	74.0	-23.38	Peak	93.00	150	Horizontal	Pass
5**	4819.750	42.41	-1.93	54.0	-11.59	AV	93.00	150	Horizontal	Pass
6	13704.500	50.13	1.05	74.0	-23.87	Peak	206.00	150	Horizontal	Pass
6**	13704.500	40.91	1.05	54.0	-13.09	AV	206.00	150	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	1200.900	41.16	-18.14	74.0	-32.84	Peak	178.00	150	Vertical	Pass
1**	1200.900	34.05	-18.14	54.0	-19.95	AV	178.00	150	Vertical	Pass
2	1593.900	44.71	-17.76	74.0	-29.29	Peak	163.00	150	Vertical	Pass
2**	1593.900	26.54	-17.76	54.0	-27.46	AV	163.00	150	Vertical	Pass
3	2410.400	101.86	-12.76	74.0	27.86	Peak	305.00	150	Vertical	N/A
3**	2410.400	95.57	-12.76	54.0	41.57	AV	305.00	150	Vertical	N/A
4	3195.250	50.75	-7.96	74.0	-23.25	Peak	154.00	150	Vertical	Pass
4**	3195.250	40.59	-7.96	54.0	-13.41	AV	154.00	150	Vertical	Pass
5	7317.500	53.14	1.15	74.0	-20.86	Peak	90.00	150	Vertical	Pass
5**	7317.500	43.33	1.15	54.0	-10.67	AV	90.00	150	Vertical	Pass
6	13540.500	50.01	0.32	74.0	-23.99	Peak	93.00	150	Vertical	Pass
6**	13540.500	40.67	0.32	54.0	-13.33	AV	93.00	150	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	1536.700	51.44	-17.73	74.0	-22.56	Peak	95.00	150	Horizontal	Pass
1**	1536.700	49.92	-17.73	54.0	-4.08	AV	95.00	150	Horizontal	Pass
2	1864.600	42.96	-16.92	74.0	-31.04	Peak	195.00	150	Horizontal	Pass
2**	1864.600	28.41	-16.92	54.0	-25.59	AV	195.00	150	Horizontal	Pass
3	2435.900	108.21	-12.88	74.0	34.21	Peak	123.00	150	Horizontal	N/A
3**	2435.900	150.53	-12.88	54.0	46.53	AV	123.00	150	Horizontal	N/A
4	4873.250	51.46	-2.24	74.0	-22.54	Peak	39.00	150	Horizontal	Pass
4**	4873.250	42.60	-2.24	54.0	-11.40	AV	39.00	150	Horizontal	Pass
5	7555.250	54.62	1.19	74.0	-19.38	Peak	143.00	150	Horizontal	Pass
5**	7555.250	44.82	1.19	54.0	-9.18	AV	143.00	150	Horizontal	Pass
6	13358.500	51.89	0.77	74.0	-22.11	Peak	189.00	150	Horizontal	Pass
6**	13358.500	42.68	0.77	54.0	-11.32	AV	189.00	150	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	1536.800	48.64	-17.73	74.0	-25.36	Peak	118.00	150	Vertical	Pass
1**	1536.800	47.13	-17.73	54.0	-6.87	AV	118.00	150	Vertical	Pass
2	1861.600	52.99	-16.89	74.0	-21.01	Peak	180.00	150	Vertical	Pass
2**	1861.600	41.75	-16.89	54.0	-12.25	AV	180.00	150	Vertical	Pass
3	2438.300	105.02	-12.87	74.0	31.02	Peak	64.00	150	Vertical	N/A
3**	2438.300	98.32	-12.87	54.0	44.32	AV	64.00	150	Vertical	N/A
4	2798.200	51.08	-11.01	74.0	-22.92	Peak	137.00	150	Vertical	Pass
4**	2798.200	39.00	-11.01	54.0	-15.00	AV	137.00	150	Vertical	Pass
5	5752.250	53.23	-0.56	74.0	-20.77	Peak	253.00	150	Vertical	Pass
5**	5752.250	43.48	-0.56	54.0	-10.52	AV	253.00	150	Vertical	Pass
6	15246.500	52.86	0.78	74.0	-21.14	Peak	193.00	150	Vertical	Pass
6**	15246.500	44.03	0.78	54.0	-9.97	AV	193.00	150	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	1537.000	51.51	-17.73	74.0	-22.49	Peak	89.00	150	Horizontal	Pass
1**	1537.000	50.35	-17.73	54.0	-3.65	AV	89.00	150	Horizontal	Pass
2	1862.600	45.66	-16.90	74.0	-28.34	Peak	203.00	150	Horizontal	Pass
2**	1862.600	28.06	-16.90	54.0	-25.94	AV	203.00	150	Horizontal	Pass
3	2461.400	108.37	-12.92	74.0	34.37	Peak	128.00	150	Horizontal	N/A
3**	2461.400	101.36	-12.92	54.0	47.36	AV	128.00	150	Horizontal	N/A
4	4925.000	51.72	-2.09	74.0	-22.28	Peak	61.00	150	Horizontal	Pass
4**	4925.000	43.05	-2.09	54.0	-10.95	AV	61.00	150	Horizontal	Pass
5	7281.000	54.32	0.73	74.0	-19.68	Peak	236.00	150	Horizontal	Pass
5**	7281.000	44.61	0.73	54.0	-9.39	AV	236.00	150	Horizontal	Pass
6	15249.000	53.05	0.84	74.0	-20.95	Peak	360.00	150	Horizontal	Pass
6**	15249.000	43.61	0.84	54.0	-10.39	AV	360.00	150	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	1537.000	48.77	-17.73	74.0	-25.23	Peak	118.00	150	Vertical	Pass
1**	1537.000	47.49	-17.73	54.0	-6.51	AV	118.00	150	Vertical	Pass
2	1861.500	56.01	-16.88	74.0	-17.99	Peak	198.00	150	Vertical	Pass
2**	1861.500	36.95	-16.88	54.0	-17.05	AV	198.00	150	Vertical	Pass
3	2460.700	105.41	-12.91	74.0	31.41	Peak	66.00	150	Vertical	N/A
3**	2460.700	97.97	-12.91	54.0	43.97	AV	66.00	150	Vertical	N/A
4	3193.500	51.11	-7.93	74.0	-22.89	Peak	167.00	150	Vertical	Pass
4**	3193.500	42.64	-7.93	54.0	-11.36	AV	167.00	150	Vertical	Pass
5	3725.000	51.39	-3.89	74.0	-22.61	Peak	173.00	150	Vertical	Pass
5**	3725.000	37.57	-3.89	54.0	-16.43	AV	173.00	150	Vertical	Pass
6	13591.500	51.71	0.47	74.0	-22.29	Peak	70.00	150	Vertical	Pass
6**	13591.500	43.20	0.47	54.0	-10.80	AV	70.00	150	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	1437.700	42.75	-17.60	74.0	-31.25	Peak	167.00	150	Horizontal	Pass
1**	1437.700	35.42	-17.60	54.0	-18.58	AV	167.00	150	Horizontal	Pass
2	1861.600	45.78	-16.89	74.0	-28.22	Peak	227.00	150	Horizontal	Pass
2**	1861.600	32.20	-16.89	54.0	-21.80	AV	227.00	150	Horizontal	Pass
3	2414.200	107.41	-12.85	74.0	33.41	Peak	102.00	150	Horizontal	N/A
3**	2414.200	98.92	-12.85	54.0	44.92	AV	102.00	150	Horizontal	N/A
4	3188.500	47.69	-7.88	74.0	-26.31	Peak	245.00	150	Horizontal	Pass
4**	3188.500	36.45	-7.88	54.0	-17.55	AV	245.00	150	Horizontal	Pass
5	4824.500	51.07	-2.02	74.0	-22.93	Peak	287.00	150	Horizontal	Pass
5**	4824.500	42.97	-2.02	54.0	-11.03	AV	287.00	150	Horizontal	Pass
6	13717.000	50.70	0.78	74.0	-23.30	Peak	150.00	150	Horizontal	Pass
6**	13717.000	40.98	0.78	54.0	-13.02	AV	150.00	150	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	1199.800	41.72	-18.14	74.0	-32.28	Peak	199.00	150	Vertical	Pass
1**	1199.800	33.34	-18.14	54.0	-20.66	AV	199.00	150	Vertical	Pass
2	1597.150	42.90	-17.77	74.0	-31.10	Peak	157.00	150	Vertical	Pass
2**	1597.150	25.85	-17.77	54.0	-28.15	AV	157.00	150	Vertical	Pass
3	2412.800	103.84	-12.82	74.0	29.84	Peak	301.00	150	Vertical	N/A
3**	2412.800	96.42	-12.82	54.0	42.42	AV	301.00	150	Vertical	N/A
4	3192.000	53.41	-7.91	74.0	-20.59	Peak	175.00	150	Vertical	Pass
4**	3192.000	36.24	-7.91	54.0	-17.76	AV	175.00	150	Vertical	Pass
5	4794.750	51.32	-1.98	74.0	-22.68	Peak	295.00	150	Vertical	Pass
5**	4794.750	39.37	-1.98	54.0	-14.63	AV	295.00	150	Vertical	Pass
6	13702.000	49.31	1.11	74.0	-24.69	Peak	65.00	150	Vertical	Pass
6**	13702.000	39.96	1.11	54.0	-14.04	AV	65.00	150	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	1536.900	51.82	-17.73	74.0	-22.18	Peak	91.00	150	Horizontal	Pass
1**	1536.900	50.15	-17.73	54.0	-3.85	AV	91.00	150	Horizontal	Pass
2	1861.200	45.63	-16.88	74.0	-28.37	Peak	241.00	150	Horizontal	Pass
2**	1861.200	29.43	-16.88	54.0	-24.57	AV	241.00	150	Horizontal	Pass
3	2438.000	107.67	-12.87	74.0	33.67	Peak	128.00	150	Horizontal	N/A
3**	2438.000	150.88	-12.87	54.0	46.88	AV	128.00	150	Horizontal	N/A
4	4867.500	52.13	-2.18	74.0	-21.87	Peak	69.00	150	Horizontal	Pass
4**	4867.500	43.75	-2.18	54.0	-10.25	AV	69.00	150	Horizontal	Pass
5	6776.000	54.21	0.37	74.0	-19.79	Peak	342.00	150	Horizontal	Pass
5**	6776.000	44.33	0.37	54.0	-9.67	AV	342.00	150	Horizontal	Pass
6	13436.500	52.31	0.52	74.0	-21.69	Peak	73.00	150	Horizontal	Pass
6**	13436.500	42.76	0.52	54.0	-11.24	AV	73.00	150	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	1536.800	48.30	-17.73	74.0	-25.70	Peak	119.00	150	Vertical	Pass
1**	1536.800	46.44	-17.73	54.0	-7.56	AV	119.00	150	Vertical	Pass
2	1864.150	54.37	-16.91	74.0	-19.63	Peak	192.00	150	Vertical	Pass
2**	1864.150	41.53	-16.91	54.0	-12.47	AV	192.00	150	Vertical	Pass
3	2438.700	102.85	-12.87	74.0	28.85	Peak	63.00	150	Vertical	N/A
3**	2438.700	95.20	-12.87	54.0	41.20	AV	63.00	150	Vertical	N/A
4	3192.500	52.72	-7.92	74.0	-21.28	Peak	164.00	150	Vertical	Pass
4**	3192.500	35.86	-7.92	54.0	-18.14	AV	164.00	150	Vertical	Pass
5	5597.500	53.44	-2.02	74.0	-20.56	Peak	153.00	150	Vertical	Pass
5**	5597.500	41.31	-2.02	54.0	-12.69	AV	153.00	150	Vertical	Pass
6	15249.500	52.65	0.85	74.0	-21.35	Peak	343.00	150	Vertical	Pass
6**	15249.500	43.05	0.85	54.0	-10.95	AV	343.00	150	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	1536.800	51.61	-17.73	74.0	-22.39	Peak	93.00	150	Horizontal	Pass
1**	1536.800	49.91	-17.73	54.0	-4.09	AV	93.00	150	Horizontal	Pass
2	1864.150	46.23	-16.91	74.0	-27.77	Peak	274.00	150	Horizontal	Pass
2**	1864.150	26.54	-16.91	54.0	-27.46	AV	274.00	150	Horizontal	Pass
3	2460.700	107.89	-12.91	74.0	33.89	Peak	200.00	150	Horizontal	N/A
3**	2460.700	101.42	-12.91	54.0	47.42	AV	200.00	150	Horizontal	N/A
4	4923.500	50.72	-2.06	74.0	-23.28	Peak	285.00	150	Horizontal	Pass
4**	4923.500	43.34	-2.06	54.0	-10.66	AV	285.00	150	Horizontal	Pass
5	6987.250	54.39	0.65	74.0	-19.61	Peak	303.00	150	Horizontal	Pass
5**	6987.250	44.43	0.65	54.0	-9.57	AV	303.00	150	Horizontal	Pass
6	15246.000	52.01	0.77	74.0	-21.99	Peak	41.00	150	Horizontal	Pass
6**	15246.000	42.85	0.77	54.0	-11.15	AV	41.00	150	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	1537.000	48.50	-17.73	74.0	-25.50	Peak	118.00	150	Vertical	Pass
1**	1537.000	47.29	-17.73	54.0	-6.71	AV	118.00	150	Vertical	Pass
2	1863.500	52.91	-16.91	74.0	-21.09	Peak	193.00	150	Vertical	Pass
2**	1863.500	37.84	-16.91	54.0	-16.16	AV	193.00	150	Vertical	Pass
3	2460.900	103.79	-12.91	74.0	29.79	Peak	67.00	150	Vertical	N/A
3**	2460.900	96.76	-12.91	54.0	42.76	AV	67.00	150	Vertical	N/A
4	3196.500	54.32	-7.97	74.0	-19.68	Peak	175.00	150	Vertical	Pass
4**	3196.500	35.25	-7.97	54.0	-18.75	AV	175.00	150	Vertical	Pass
5	5984.000	56.00	-0.27	74.0	-18.00	Peak	135.00	150	Vertical	Pass
5**	5984.000	45.26	-0.27	54.0	-8.74	AV	135.00	150	Vertical	Pass
6	13144.500	51.71	0.18	74.0	-22.29	Peak	40.00	150	Vertical	Pass
6**	13144.500	42.30	0.18	54.0	-11.70	AV	40.00	150	Vertical	Pass

Aux. Antenna

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	1198.200	41.89	-18.15	74.0	-32.11	Peak	141.00	150	Horizontal	Pass
1**	1198.200	33.96	-18.15	54.0	-20.04	AV	141.00	150	Horizontal	Pass
2	1438.400	43.46	-17.60	74.0	-30.54	Peak	203.00	150	Horizontal	Pass
2**	1438.400	36.32	-17.60	54.0	-17.68	AV	203.00	150	Horizontal	Pass
3	2412.000	104.92	-12.80	74.0	30.92	Peak	61.00	150	Horizontal	N/A
3**	2412.000	101.17	-12.80	54.0	47.17	AV	61.00	150	Horizontal	N/A
4	4824.000	50.33	-2.01	74.0	-23.67	Peak	271.00	150	Horizontal	Pass
4**	4824.000	44.91	-2.01	54.0	-9.09	AV	271.00	150	Horizontal	Pass
5	10140.500	49.55	-4.04	74.0	-24.45	Peak	47.00	150	Horizontal	Pass
5**	10140.500	39.04	-4.04	54.0	-14.96	AV	47.00	150	Horizontal	Pass
6	13459.500	51.24	0.44	74.0	-22.76	Peak	33.00	150	Horizontal	Pass
6**	13459.500	41.23	0.44	54.0	-12.77	AV	33.00	150	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	1439.150	43.91	-17.60	74.0	-30.09	Peak	150.00	150	Vertical	Pass
1**	1439.150	36.17	-17.60	54.0	-17.83	AV	150.00	150	Vertical	Pass
2	1599.000	44.08	-17.78	74.0	-29.92	Peak	148.00	150	Vertical	Pass
2**	1599.000	33.88	-17.78	54.0	-20.12	AV	148.00	150	Vertical	Pass
3	2410.800	99.53	-12.77	74.0	25.53	Peak	282.00	150	Vertical	N/A
3**	2410.800	96.60	-12.77	54.0	42.60	AV	282.00	150	Vertical	N/A
4	3189.750	55.47	-7.88	74.0	-18.53	Peak	165.00	150	Vertical	Pass
4**	3189.750	36.22	-7.88	54.0	-17.78	AV	165.00	150	Vertical	Pass
5	6756.750	53.08	0.28	74.0	-20.92	Peak	82.00	150	Vertical	Pass
5**	6756.750	44.20	0.28	54.0	-9.80	AV	82.00	150	Vertical	Pass
6	13445.500	51.31	0.48	74.0	-22.69	Peak	128.00	150	Vertical	Pass
6**	13445.500	42.03	0.48	54.0	-11.97	AV	128.00	150	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	1439.600	43.54	-17.60	74.0	-30.46	Peak	93.00	150	Horizontal	Pass
1**	1439.600	35.36	-17.60	54.0	-18.64	AV	93.00	150	Horizontal	Pass
2	1536.700	51.89	-17.73	74.0	-22.11	Peak	89.00	150	Horizontal	Pass
2**	1536.700	50.17	-17.73	54.0	-3.83	AV	89.00	150	Horizontal	Pass
3	2438.200	104.68	-12.87	74.0	30.68	Peak	230.00	150	Horizontal	N/A
3**	2438.200	101.71	-12.87	54.0	47.71	AV	230.00	150	Horizontal	N/A
4	4874.500	51.68	-2.25	74.0	-22.32	Peak	253.00	150	Horizontal	Pass
4**	4874.500	45.84	-2.25	54.0	-8.16	AV	253.00	150	Horizontal	Pass
5	6769.000	54.92	0.48	74.0	-19.08	Peak	221.00	150	Horizontal	Pass
5**	6769.000	44.26	0.48	54.0	-9.74	AV	221.00	150	Horizontal	Pass
6	13352.500	52.93	0.80	74.0	-21.07	Peak	179.00	150	Horizontal	Pass
6**	13352.500	42.71	0.80	54.0	-11.29	AV	179.00	150	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	1536.600	48.03	-17.73	74.0	-25.97	Peak	121.00	150	Vertical	Pass
1**	1536.600	46.98	-17.73	54.0	-7.02	AV	121.00	150	Vertical	Pass
2	1865.700	57.54	-16.93	74.0	-16.46	Peak	200.00	150	Vertical	Pass
2**	1865.700	41.24	-16.93	54.0	-12.76	AV	200.00	150	Vertical	Pass
3	2438.150	95.92	-12.87	74.0	21.92	Peak	123.00	150	Vertical	N/A
3**	2438.150	93.04	-12.87	54.0	39.04	AV	123.00	150	Vertical	N/A
4	3193.250	50.92	-7.93	74.0	-23.08	Peak	164.00	150	Vertical	Pass
4**	3193.250	40.94	-7.93	54.0	-13.06	AV	164.00	150	Vertical	Pass
5	5978.750	59.91	-0.14	74.0	-14.09	Peak	167.00	150	Vertical	Pass
5**	5978.750	44.19	-0.14	54.0	-9.81	AV	167.00	150	Vertical	Pass
6	14150.000	52.60	0.96	74.0	-21.40	Peak	76.00	150	Vertical	Pass
6**	14150.000	42.89	0.96	54.0	-11.11	AV	76.00	150	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	1536.700	51.76	-17.73	74.0	-22.24	Peak	86.00	150	Horizontal	Pass
1**	1536.700	50.27	-17.73	54.0	-3.73	AV	86.00	150	Horizontal	Pass
2	1864.600	45.42	-16.92	74.0	-28.58	Peak	256.00	150	Horizontal	Pass
2**	1864.600	27.77	-16.92	54.0	-26.23	AV	256.00	150	Horizontal	Pass
3	2462.000	104.62	-12.92	74.0	30.62	Peak	204.00	150	Horizontal	N/A
3**	2462.000	101.20	-12.92	54.0	47.20	AV	204.00	150	Horizontal	N/A
4	3724.250	48.37	-3.88	74.0	-25.63	Peak	206.00	150	Horizontal	Pass
4**	3724.250	38.94	-3.88	54.0	-15.06	AV	206.00	150	Horizontal	Pass
5	4924.000	51.44	-2.07	74.0	-22.56	Peak	259.00	150	Horizontal	Pass
5**	4924.000	46.60	-2.07	54.0	-7.40	AV	259.00	150	Horizontal	Pass
6	12609.500	51.97	-1.51	74.0	-22.03	Peak	266.00	150	Horizontal	Pass
6**	12609.500	42.01	-1.51	54.0	-11.99	AV	266.00	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	1537.000	48.31	-17.73	74.0	-25.69	Peak	118.00	150	Vertical	Pass
1**	1537.000	46.35	-17.73	54.0	-7.65	AV	118.00	150	Vertical	Pass
2	1859.700	56.09	-16.87	74.0	-17.91	Peak	196.00	150	Vertical	Pass
2**	1859.700	44.69	-16.87	54.0	-9.31	AV	196.00	150	Vertical	Pass
3	2460.900	97.19	-12.91	74.0	23.19	Peak	190.00	150	Vertical	N/A
3**	2460.900	94.40	-12.91	54.0	40.40	AV	190.00	150	Vertical	N/A
4	3192.750	52.61	-7.92	74.0	-21.39	Peak	172.00	150	Vertical	Pass
4**	3192.750	36.35	-7.92	54.0	-17.65	AV	172.00	150	Vertical	Pass
5	4789.000	52.85	-1.96	74.0	-21.15	Peak	316.00	150	Vertical	Pass
5**	4789.000	40.82	-1.96	54.0	-13.18	AV	316.00	150	Vertical	Pass
6	13581.000	52.14	0.44	74.0	-21.86	Peak	266.00	150	Vertical	Pass
6**	13581.000	43.84	0.44	54.0	-10.16	AV	266.00	150	Vertical	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	1197.000	40.28	-18.17	74.0	-33.72	Peak	139.00	150	Horizontal	Pass
1**	1197.000	33.05	-18.17	54.0	-20.95	AV	139.00	150	Horizontal	Pass
2	1440.000	42.99	-17.60	74.0	-31.01	Peak	164.00	150	Horizontal	Pass
2**	1440.000	36.59	-17.60	54.0	-17.41	AV	164.00	150	Horizontal	Pass
3	2411.150	107.28	-12.78	74.0	33.28	Peak	63.00	150	Horizontal	N/A
3**	2411.150	150.45	-12.78	54.0	46.45	AV	63.00	150	Horizontal	N/A
4	3190.750	47.32	-7.89	74.0	-26.68	Peak	240.00	150	Horizontal	Pass
4**	3190.750	36.80	-7.89	54.0	-17.20	AV	240.00	150	Horizontal	Pass
5	6848.750	52.99	1.24	74.0	-21.01	Peak	258.00	150	Horizontal	Pass
5**	6848.750	42.41	1.24	54.0	-11.59	AV	258.00	150	Horizontal	Pass
6	13708.000	50.86	0.97	74.0	-23.14	Peak	325.00	150	Horizontal	Pass
6**	13708.000	40.72	0.97	54.0	-13.28	AV	325.00	150	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	1199.800	41.76	-18.14	74.0	-32.24	Peak	17.00	150	Vertical	Pass
1**	1199.800	34.54	-18.14	54.0	-19.46	AV	17.00	150	Vertical	Pass
2	1596.500	44.52	-17.77	74.0	-29.48	Peak	157.00	150	Vertical	Pass
2**	1596.500	26.95	-17.77	54.0	-27.05	AV	157.00	150	Vertical	Pass
3	2411.150	101.39	-12.78	74.0	27.39	Peak	284.00	150	Vertical	N/A
3**	2411.150	94.67	-12.78	54.0	40.67	AV	284.00	150	Vertical	N/A
4	3191.000	51.66	-7.90	74.0	-22.34	Peak	176.00	150	Vertical	Pass
4**	3191.000	44.12	-7.90	54.0	-9.88	AV	176.00	150	Vertical	Pass
5	4785.750	52.05	-1.94	74.0	-21.95	Peak	309.00	150	Vertical	Pass
5**	4785.750	39.91	-1.94	54.0	-14.09	AV	309.00	150	Vertical	Pass
6	13435.000	50.44	0.53	74.0	-23.56	Peak	39.00	150	Vertical	Pass
6**	13435.000	41.00	0.53	54.0	-13.00	AV	39.00	150	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	1438.200	42.25	-17.60	74.0	-31.75	Peak	87.00	150	Horizontal	Pass
1**	1438.200	34.54	-17.60	54.0	-19.46	AV	87.00	150	Horizontal	Pass
2	1536.900	52.08	-17.73	74.0	-21.92	Peak	87.00	150	Horizontal	Pass
2**	1536.900	50.99	-17.73	54.0	-3.01	AV	87.00	150	Horizontal	Pass
3	2435.800	107.45	-12.88	74.0	33.45	Peak	48.00	150	Horizontal	N/A
3**	2435.800	150.14	-12.88	54.0	46.14	AV	48.00	150	Horizontal	N/A
4	4698.500	50.78	-2.24	74.0	-23.22	Peak	291.00	150	Horizontal	Pass
4**	4698.500	41.27	-2.24	54.0	-12.73	AV	291.00	150	Horizontal	Pass
5	7745.500	55.34	0.94	74.0	-18.66	Peak	1.00	150	Horizontal	Pass
5**	7745.500	44.80	0.94	54.0	-9.20	AV	1.00	150	Horizontal	Pass
6	12703.000	51.83	-1.43	74.0	-22.17	Peak	178.00	150	Horizontal	Pass
6**	12703.000	41.32	-1.43	54.0	-12.68	AV	178.00	150	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	1536.800	47.62	-17.73	74.0	-26.38	Peak	119.00	150	Vertical	Pass
1**	1536.800	46.36	-17.73	54.0	-7.64	AV	119.00	150	Vertical	Pass
2	1860.500	54.13	-16.87	74.0	-19.87	Peak	177.00	150	Vertical	Pass
2**	1860.500	47.09	-16.87	54.0	-6.91	AV	177.00	150	Vertical	Pass
3	2438.500	97.96	-12.87	74.0	23.96	Peak	122.00	150	Vertical	N/A
3**	2438.500	90.68	-12.87	54.0	36.68	AV	122.00	150	Vertical	N/A
4	2792.000	50.80	-10.73	74.0	-23.20	Peak	192.00	150	Vertical	Pass
4**	2792.000	31.48	-10.73	54.0	-22.52	AV	192.00	150	Vertical	Pass
5	3200.000	52.84	-8.02	74.0	-21.16	Peak	163.00	150	Vertical	Pass
5**	3200.000	44.07	-8.02	54.0	-9.93	AV	163.00	150	Vertical	Pass
6	15528.500	52.62	0.10	74.0	-21.38	Peak	59.00	150	Vertical	Pass
6**	15528.500	42.44	0.10	54.0	-11.56	AV	59.00	150	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	1536.900	52.02	-17.73	74.0	-21.98	Peak	86.00	150	Horizontal	Pass
1**	1536.900	50.20	-17.73	54.0	-3.80	AV	86.00	150	Horizontal	Pass
2	1861.900	44.07	-16.89	74.0	-29.93	Peak	263.00	150	Horizontal	Pass
2**	1861.900	31.16	-16.89	54.0	-22.84	AV	263.00	150	Horizontal	Pass
3	2462.400	107.69	-12.92	74.0	33.69	Peak	222.00	150	Horizontal	N/A
3**	2462.400	150.46	-12.92	54.0	46.46	AV	222.00	150	Horizontal	N/A
4	3073.750	47.07	-7.73	74.0	-26.93	Peak	86.00	150	Horizontal	Pass
4**	3073.750	39.53	-7.73	54.0	-14.47	AV	86.00	150	Horizontal	Pass
5	5459.750	52.27	-1.46	74.0	-21.73	Peak	210.00	150	Horizontal	Pass
5**	5459.750	41.56	-1.46	54.0	-12.44	AV	210.00	150	Horizontal	Pass
6	13574.500	52.27	0.43	74.0	-21.73	Peak	79.00	150	Horizontal	Pass
6**	13574.500	42.06	0.43	54.0	-11.94	AV	79.00	150	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	1536.700	48.34	-17.73	74.0	-25.66	Peak	119.00	150	Vertical	Pass
1**	1536.700	46.27	-17.73	54.0	-7.73	AV	119.00	150	Vertical	Pass
2	1861.600	51.97	-16.89	74.0	-22.03	Peak	203.00	150	Vertical	Pass
2**	1861.600	43.28	-16.89	54.0	-10.72	AV	203.00	150	Vertical	Pass
3	2460.900	99.55	-12.91	74.0	25.55	Peak	119.00	150	Vertical	N/A
3**	2460.900	92.10	-12.91	54.0	38.10	AV	119.00	150	Vertical	N/A
4	3195.750	53.25	-7.96	74.0	-20.75	Peak	179.00	150	Vertical	Pass
4**	3195.750	35.56	-7.96	54.0	-18.44	AV	179.00	150	Vertical	Pass
5	6945.750	54.35	1.18	74.0	-19.65	Peak	111.00	150	Vertical	Pass
5**	6945.750	43.19	1.18	54.0	-10.81	AV	111.00	150	Vertical	Pass
6	15250.000	52.64	0.86	74.0	-21.36	Peak	37.00	150	Vertical	Pass
6**	15250.000	43.35	0.86	54.0	-10.65	AV	37.00	150	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	1202.150	40.66	-18.14	74.0	-33.34	Peak	138.00	150	Horizontal	Pass
1**	1202.150	33.02	-18.14	54.0	-20.98	AV	138.00	150	Horizontal	Pass
2	1439.300	42.99	-17.60	74.0	-31.01	Peak	164.00	150	Horizontal	Pass
2**	1439.300	36.22	-17.60	54.0	-17.78	AV	164.00	150	Horizontal	Pass
3	2413.600	106.41	-12.83	74.0	32.41	Peak	63.00	150	Horizontal	N/A
3**	2413.600	99.33	-12.83	54.0	45.33	AV	63.00	150	Horizontal	N/A
4	3192.750	48.78	-7.92	74.0	-25.22	Peak	242.00	150	Horizontal	Pass
4**	3192.750	39.90	-7.92	54.0	-14.10	AV	242.00	150	Horizontal	Pass
5	5766.750	53.20	-0.44	74.0	-20.80	Peak	192.00	150	Horizontal	Pass
5**	5766.750	41.78	-0.44	54.0	-12.22	AV	192.00	150	Horizontal	Pass
6	13428.000	50.03	0.58	74.0	-23.97	Peak	107.00	150	Horizontal	Pass
6**	13428.000	40.28	0.58	54.0	-13.72	AV	107.00	150	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	1201.900	41.32	-18.14	74.0	-32.68	Peak	198.00	150	Vertical	Pass
1**	1201.900	34.17	-18.14	54.0	-19.83	AV	198.00	150	Vertical	Pass
2	1597.800	42.06	-17.78	74.0	-31.94	Peak	157.00	150	Vertical	Pass
2**	1597.800	30.41	-17.78	54.0	-23.59	AV	157.00	150	Vertical	Pass
3	2412.800	150.88	-12.82	74.0	26.88	Peak	283.00	150	Vertical	N/A
3**	2412.800	93.55	-12.82	54.0	39.55	AV	283.00	150	Vertical	N/A
4	3192.500	55.39	-7.92	74.0	-18.61	Peak	177.00	150	Vertical	Pass
4**	3192.500	35.72	-7.92	54.0	-18.28	AV	177.00	150	Vertical	Pass
5	5985.250	55.31	-0.30	74.0	-18.69	Peak	185.00	150	Vertical	Pass
5**	5985.250	43.45	-0.30	54.0	-10.55	AV	185.00	150	Vertical	Pass
6	10798.000	49.48	-3.09	74.0	-24.52	Peak	136.00	150	Vertical	Pass
6**	10798.000	38.70	-3.09	54.0	-15.30	AV	136.00	150	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	1536.700	51.96	-17.73	74.0	-22.04	Peak	89.00	150	Horizontal	Pass
1**	1536.700	50.47	-17.73	54.0	-3.53	AV	89.00	150	Horizontal	Pass
2	1861.600	44.05	-16.89	74.0	-29.95	Peak	253.00	150	Horizontal	Pass
2**	1861.600	28.55	-16.89	54.0	-25.45	AV	253.00	150	Horizontal	Pass
3	2435.700	107.13	-12.88	74.0	33.13	Peak	256.00	150	Horizontal	N/A
3**	2435.700	99.80	-12.88	54.0	45.80	AV	256.00	150	Horizontal	N/A
4	3771.000	47.42	-4.14	74.0	-26.58	Peak	99.00	150	Horizontal	Pass
4**	3771.000	38.31	-4.14	54.0	-15.69	AV	99.00	150	Horizontal	Pass
5	4735.000	50.63	-1.64	74.0	-23.37	Peak	267.00	150	Horizontal	Pass
5**	4735.000	41.28	-1.64	54.0	-12.72	AV	267.00	150	Horizontal	Pass
6	13667.000	52.32	1.08	74.0	-21.68	Peak	313.00	150	Horizontal	Pass
6**	13667.000	42.51	1.08	54.0	-11.49	AV	313.00	150	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	1536.900	48.49	-17.73	74.0	-25.51	Peak	120.00	150	Vertical	Pass
1**	1536.900	47.09	-17.73	54.0	-6.91	AV	120.00	150	Vertical	Pass
2	1860.500	54.28	-16.87	74.0	-19.72	Peak	156.00	150	Vertical	Pass
2**	1860.500	38.44	-16.87	54.0	-15.56	AV	156.00	150	Vertical	Pass
3	2438.400	96.83	-12.87	74.0	22.83	Peak	123.00	150	Vertical	N/A
3**	2438.400	89.46	-12.87	54.0	35.46	AV	123.00	150	Vertical	N/A
4	3194.500	53.40	-7.95	74.0	-20.60	Peak	173.00	150	Vertical	Pass
4**	3194.500	37.33	-7.95	54.0	-16.67	AV	173.00	150	Vertical	Pass
5	4799.750	51.81	-1.98	74.0	-22.19	Peak	136.00	150	Vertical	Pass
5**	4799.750	40.43	-1.98	54.0	-13.57	AV	136.00	150	Vertical	Pass
6	15267.500	52.46	0.71	74.0	-21.54	Peak	26.00	150	Vertical	Pass
6**	15267.500	42.99	0.71	54.0	-11.01	AV	26.00	150	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	1536.800	51.49	-17.73	74.0	-22.51	Peak	85.00	150	Horizontal	Pass
1**	1536.800	50.02	-17.73	54.0	-3.98	AV	85.00	150	Horizontal	Pass
2	1860.800	45.74	-16.88	74.0	-28.26	Peak	246.00	150	Horizontal	Pass
2**	1860.800	26.99	-16.88	54.0	-27.01	AV	246.00	150	Horizontal	Pass
3	2460.900	107.93	-12.91	74.0	33.93	Peak	57.00	150	Horizontal	N/A
3**	2460.900	150.45	-12.91	54.0	46.45	AV	57.00	150	Horizontal	N/A
4	3770.000	47.47	-4.07	74.0	-26.53	Peak	69.00	150	Horizontal	Pass
4**	3770.000	38.53	-4.07	54.0	-15.47	AV	69.00	150	Horizontal	Pass
5	5761.750	52.64	-0.48	74.0	-21.36	Peak	267.00	150	Horizontal	Pass
5**	5761.750	42.72	-0.48	54.0	-11.28	AV	267.00	150	Horizontal	Pass
6	13541.500	51.74	0.32	74.0	-22.26	Peak	176.00	150	Horizontal	Pass
6**	13541.500	42.64	0.32	54.0	-11.36	AV	176.00	150	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	1536.900	47.96	-17.73	74.0	-26.04	Peak	120.00	150	Vertical	Pass
1**	1536.900	46.45	-17.73	54.0	-7.55	AV	120.00	150	Vertical	Pass
2	1862.500	54.26	-16.90	74.0	-19.74	Peak	204.00	150	Vertical	Pass
2**	1862.500	35.63	-16.90	54.0	-18.37	AV	204.00	150	Vertical	Pass
3	2460.700	98.83	-12.91	74.0	24.83	Peak	120.00	150	Vertical	N/A
3**	2460.700	91.41	-12.91	54.0	37.41	AV	120.00	150	Vertical	N/A
4	3196.500	51.11	-7.97	74.0	-22.89	Peak	164.00	150	Vertical	Pass
4**	3196.500	35.33	-7.97	54.0	-18.67	AV	164.00	150	Vertical	Pass
5	3728.000	51.70	-3.93	74.0	-22.30	Peak	166.00	150	Vertical	Pass
5**	3728.000	37.62	-3.93	54.0	-16.38	AV	166.00	150	Vertical	Pass
6	13521.000	52.20	0.33	74.0	-21.80	Peak	143.00	150	Vertical	Pass
6**	13521.000	42.95	0.33	54.0	-11.05	AV	143.00	150	Vertical	Pass

MIMO

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	1440.800	42.98	-17.60	74.0	-31.02	Peak	166.00	150	Horizontal	Pass
1**	1440.800	35.49	-17.60	54.0	-18.51	AV	166.00	150	Horizontal	Pass
2	1865.500	42.47	-16.93	74.0	-31.53	Peak	228.00	150	Horizontal	Pass
2**	1865.500	26.24	-16.93	54.0	-27.76	AV	228.00	150	Horizontal	Pass
3	2411.000	108.59	-12.78	74.0	34.59	Peak	252.00	150	Horizontal	N/A
3**	2411.000	102.61	-12.78	54.0	48.61	AV	252.00	150	Horizontal	N/A
4	3187.750	46.57	-7.88	74.0	-27.43	Peak	251.00	150	Horizontal	Pass
4**	3187.750	35.34	-7.88	54.0	-18.66	AV	251.00	150	Horizontal	Pass
5	6852.000	52.99	1.25	74.0	-21.01	Peak	344.00	150	Horizontal	Pass
5**	6852.000	43.32	1.25	54.0	-10.68	AV	344.00	150	Horizontal	Pass
6	13458.500	50.53	0.44	74.0	-23.47	Peak	9.00	150	Horizontal	Pass
6**	13458.500	40.07	0.44	54.0	-13.93	AV	9.00	150	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	1597.400	43.66	-17.77	74.0	-30.34	Peak	157.00	150	Vertical	Pass
1**	1597.400	27.63	-17.77	54.0	-26.37	AV	157.00	150	Vertical	Pass
2	1865.400	56.29	-16.93	74.0	-17.71	Peak	193.00	150	Vertical	Pass
2**	1865.400	39.25	-16.93	54.0	-14.75	AV	193.00	150	Vertical	Pass
3	2411.500	104.08	-12.79	74.0	30.08	Peak	301.00	150	Vertical	N/A
3**	2411.500	97.77	-12.79	54.0	43.77	AV	301.00	150	Vertical	N/A
4	3194.250	52.91	-7.94	74.0	-21.09	Peak	169.00	150	Vertical	Pass
4**	3194.250	36.01	-7.94	54.0	-17.99	AV	169.00	150	Vertical	Pass
5	5583.750	52.28	-2.09	74.0	-21.72	Peak	221.00	150	Vertical	Pass
5**	5583.750	39.88	-2.09	54.0	-14.12	AV	221.00	150	Vertical	Pass
6	12606.500	49.11	-1.50	74.0	-24.89	Peak	273.00	150	Vertical	Pass
6**	12606.500	39.42	-1.50	54.0	-14.58	AV	273.00	150	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	1536.600	51.20	-17.73	74.0	-22.80	Peak	87.00	150	Horizontal	Pass
1**	1536.600	49.56	-17.73	54.0	-4.44	AV	87.00	150	Horizontal	Pass
2	1866.300	46.34	-16.94	74.0	-27.66	Peak	287.00	150	Horizontal	Pass
2**	1866.300	35.89	-16.94	54.0	-18.11	AV	287.00	150	Horizontal	Pass
3	2436.100	108.61	-12.88	74.0	34.61	Peak	254.00	150	Horizontal	N/A
3**	2436.100	102.26	-12.88	54.0	48.26	AV	254.00	150	Horizontal	N/A
4	3597.500	47.90	-5.05	74.0	-26.10	Peak	169.00	150	Horizontal	Pass
4**	3597.500	37.02	-5.05	54.0	-16.98	AV	169.00	150	Horizontal	Pass
5	7411.250	55.67	2.23	74.0	-18.33	Peak	206.00	150	Horizontal	Pass
5**	7411.250	44.86	2.23	54.0	-9.14	AV	206.00	150	Horizontal	Pass
6	15182.500	52.40	0.37	74.0	-21.60	Peak	284.00	150	Horizontal	Pass
6**	15182.500	42.85	0.37	54.0	-11.15	AV	284.00	150	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	1536.800	48.14	-17.73	74.0	-25.86	Peak	120.00	150	Vertical	Pass
1**	1536.800	46.70	-17.73	54.0	-7.30	AV	120.00	150	Vertical	Pass
2	1862.900	55.30	-16.90	74.0	-18.70	Peak	153.00	150	Vertical	Pass
2**	1862.900	37.64	-16.90	54.0	-16.36	AV	153.00	150	Vertical	Pass
3	2437.900	103.80	-12.87	74.0	29.80	Peak	66.00	150	Vertical	N/A
3**	2437.900	96.44	-12.87	54.0	42.44	AV	66.00	150	Vertical	N/A
4	3191.250	53.50	-7.90	74.0	-20.50	Peak	176.00	150	Vertical	Pass
4**	3191.250	41.57	-7.90	54.0	-12.43	AV	176.00	150	Vertical	Pass
5	7326.500	54.70	1.23	74.0	-19.30	Peak	206.00	150	Vertical	Pass
5**	7326.500	44.46	1.23	54.0	-9.54	AV	206.00	150	Vertical	Pass
6	13700.500	52.23	1.15	74.0	-21.77	Peak	0.00	150	Vertical	Pass
6**	13700.500	42.86	1.15	54.0	-11.14	AV	0.00	150	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	1536.900	51.89	-17.73	74.0	-22.11	Peak	86.00	150	Horizontal	Pass
1**	1536.900	50.09	-17.73	54.0	-3.91	AV	86.00	150	Horizontal	Pass
2	1863.000	45.29	-16.90	74.0	-28.71	Peak	285.00	150	Horizontal	Pass
2**	1863.000	35.92	-16.90	54.0	-18.08	AV	285.00	150	Horizontal	Pass
3	2460.100	109.50	-12.91	74.0	35.50	Peak	125.00	150	Horizontal	N/A
3**	2460.100	101.47	-12.91	54.0	47.47	AV	125.00	150	Horizontal	N/A
4	4923.500	52.40	-2.06	74.0	-21.60	Peak	75.00	150	Horizontal	Pass
4**	4923.500	42.18	-2.06	54.0	-11.82	AV	75.00	150	Horizontal	Pass
5	6922.500	54.36	1.12	74.0	-19.64	Peak	257.00	150	Horizontal	Pass
5**	6922.500	42.99	1.12	54.0	-11.01	AV	257.00	150	Horizontal	Pass
6	15260.000	52.31	0.78	74.0	-21.69	Peak	41.00	150	Horizontal	Pass
6**	15260.000	42.75	0.78	54.0	-11.25	AV	41.00	150	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	1536.900	47.87	-17.73	74.0	-26.13	Peak	120.00	150	Vertical	Pass
1**	1536.900	46.46	-17.73	54.0	-7.54	AV	120.00	150	Vertical	Pass
2	1865.500	53.47	-16.93	74.0	-20.53	Peak	209.00	150	Vertical	Pass
2**	1865.500	37.86	-16.93	54.0	-16.14	AV	209.00	150	Vertical	Pass
3	2462.800	103.27	-12.92	74.0	29.27	Peak	63.00	150	Vertical	N/A
3**	2462.800	96.87	-12.92	54.0	42.87	AV	63.00	150	Vertical	N/A
4	3189.250	54.58	-7.88	74.0	-19.42	Peak	166.00	150	Vertical	Pass
4**	3189.250	35.62	-7.88	54.0	-18.38	AV	166.00	150	Vertical	Pass
5	5589.250	52.85	-2.11	74.0	-21.15	Peak	153.00	150	Vertical	Pass
5**	5589.250	42.21	-2.11	54.0	-11.79	AV	153.00	150	Vertical	Pass
6	15248.500	53.06	0.83	74.0	-20.94	Peak	354.00	150	Vertical	Pass
6**	15248.500	44.23	0.83	54.0	-9.77	AV	354.00	150	Vertical	Pass

Simultaneous transmission

MAIN antenna: 2.4G 802.11n20 mode + AUX antenna: BLE mode

1 GHz to 18 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	1600.100	42.01	-17.77	74.0	-31.99	Peak	333.00	150	Horizontal	Pass
1**	1600.100	36.33	-17.77	54.0	-17.67	AV	333.00	150	Horizontal	Pass
2	2413.400	103.11	-13.42	74.0	29.11	Peak	249.00	150	Horizontal	N/A
2**	2413.400	95.88	-13.42	54.0	41.88	AV	249.00	150	Horizontal	N/A
3	2479.900	100.76	-13.07	74.0	26.76	Peak	78.00	150	Horizontal	N/A
3**	2479.900	99.77	-13.07	54.0	45.77	AV	78.00	150	Horizontal	N/A
4	5181.000	50.24	-2.18	74.0	-23.76	Peak	206.00	150	Horizontal	Pass
4**	5181.000	41.36	-2.18	54.0	-12.64	AV	206.00	150	Horizontal	Pass
5	7865.250	53.13	1.59	74.0	-20.87	Peak	20.00	150	Horizontal	Pass
5**	7865.250	43.32	1.59	54.0	-10.68	AV	20.00	150	Horizontal	Pass
6	17479.989	52.60	3.09	74.0	-21.40	Peak	323.00	150	Horizontal	Pass
6**	17479.989	42.74	3.09	54.0	-11.26	AV	323.00	150	Horizontal	Pass

1 GHz to 18 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	1599.900	41.98	-17.75	74.0	-32.02	Peak	36.00	150	Vertical	Pass
1**	1599.900	36.37	-17.75	54.0	-17.63	AV	36.00	150	Vertical	Pass
2	2412.900	94.09	-13.42	74.0	20.09	Peak	199.00	150	Vertical	N/A
2**	2412.900	86.71	-13.42	54.0	32.71	AV	199.00	150	Vertical	N/A
3	2480.000	87.82	-13.08	74.0	13.82	Peak	209.00	150	Vertical	N/A
3**	2480.000	87.36	-13.08	54.0	33.36	AV	209.00	150	Vertical	N/A
4	5228.000	50.37	-3.63	74.0	-23.63	Peak	170.00	150	Vertical	Pass
4**	5228.000	40.44	-3.63	54.0	-13.56	AV	170.00	150	Vertical	Pass
5	7864.750	52.48	1.61	74.0	-21.52	Peak	228.00	150	Vertical	Pass
5**	7864.750	43.29	1.61	54.0	-10.71	AV	228.00	150	Vertical	Pass
6	16396.912	52.30	0.29	74.0	-21.70	Peak	323.00	150	Vertical	Pass
6**	16396.912	43.03	0.29	54.0	-10.97	AV	323.00	150	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.

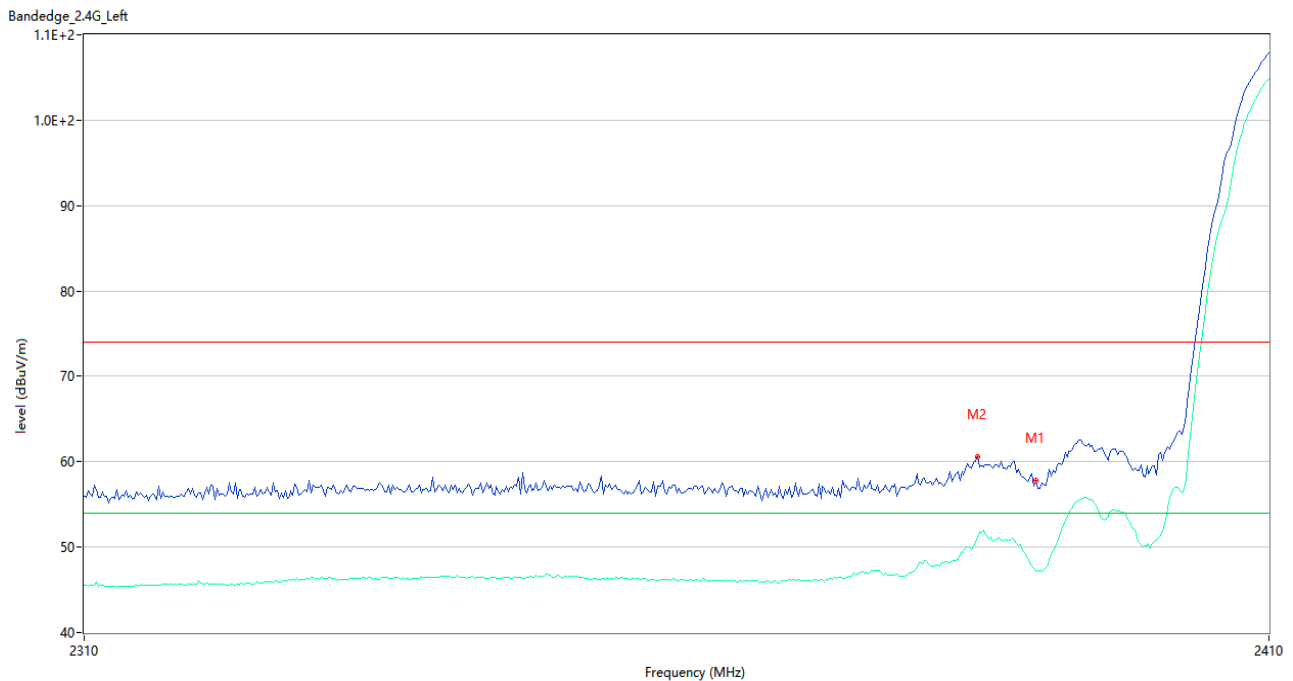
Note ³: According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note ⁴: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data and Plots

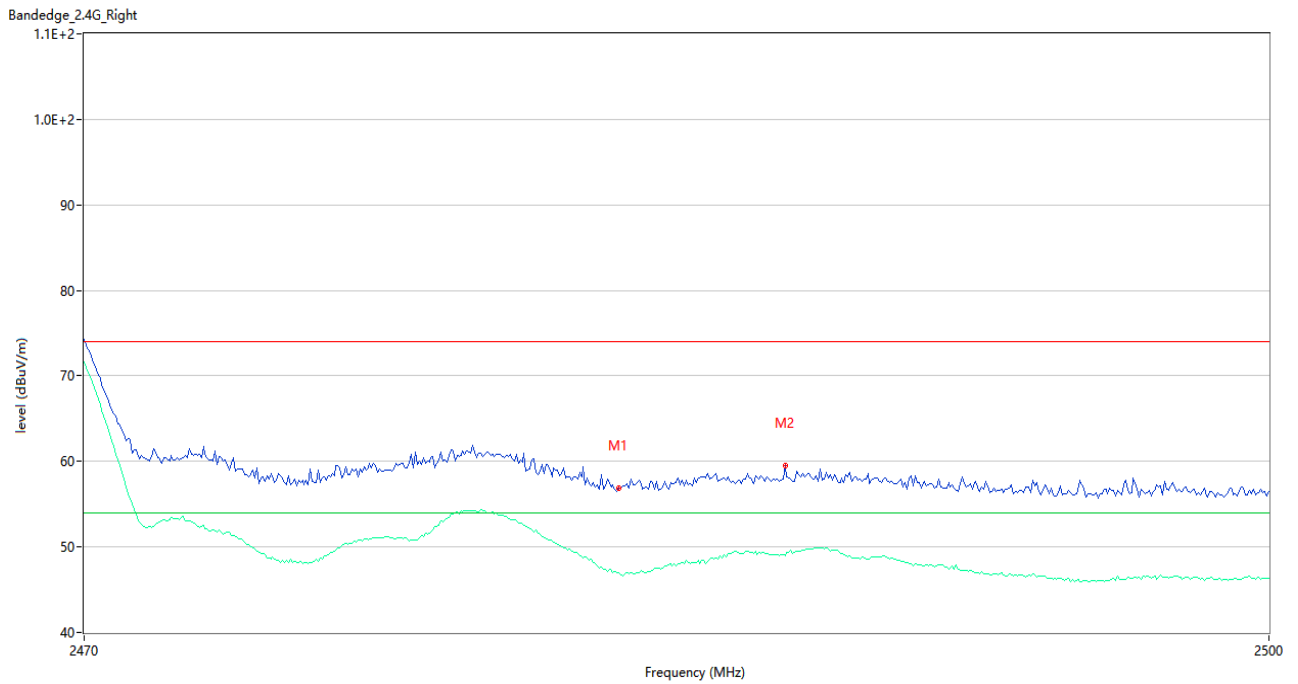
Main Antenna

802.11b LOW CHANNEL



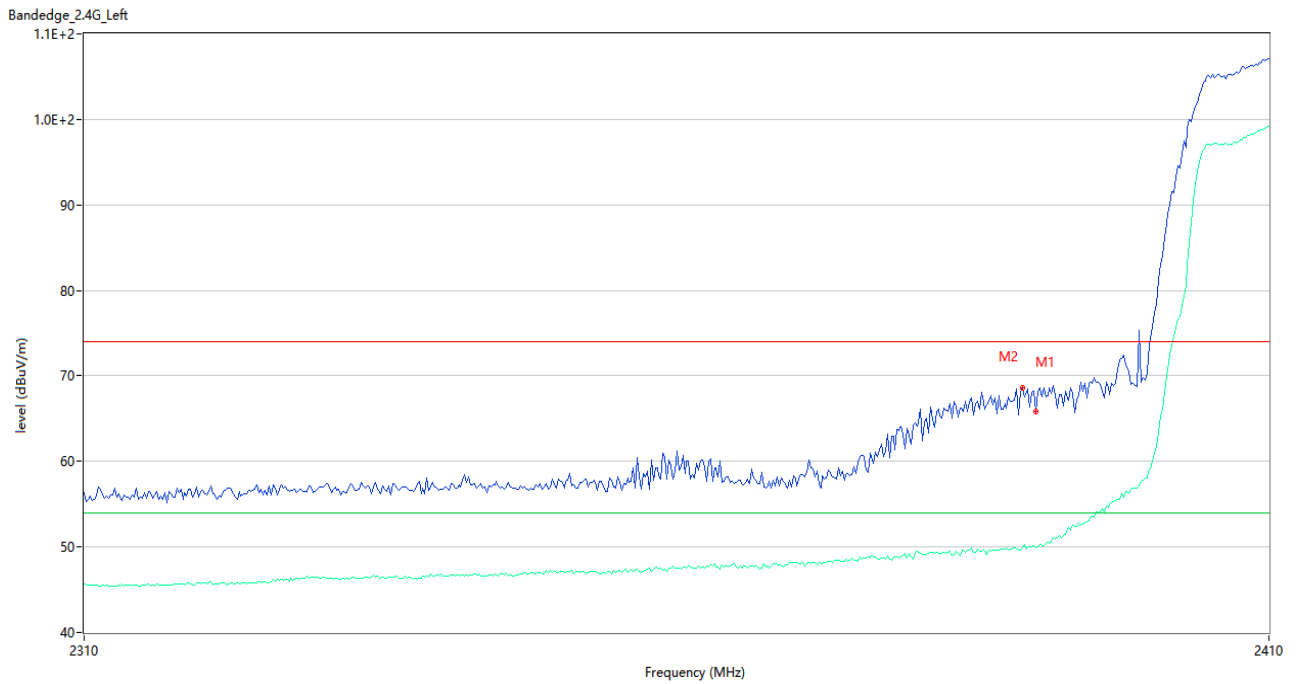
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	57.74	1.62	74.0	-16.26	Peak	153.00	150	Horizontal	Pass
1**	2390.000	47.21	1.62	54.0	-6.79	AV	153.00	150	Horizontal	Pass
2	2385.000	60.59	1.85	74.0	-13.41	Peak	136.00	150	Horizontal	Pass
2**	2385.000	50.98	1.85	54.0	-3.02	AV	136.00	150	Horizontal	Pass

802.11b HIGH CHANNEL



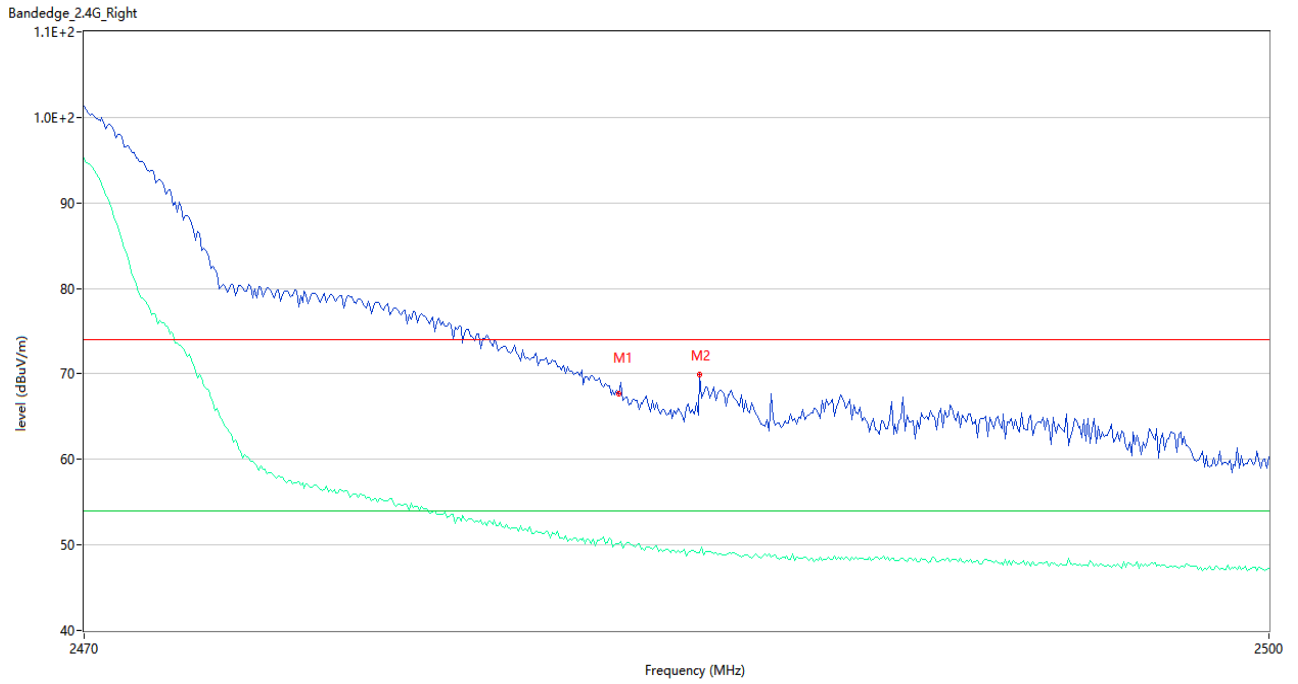
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	56.70	1.98	74.0	-17.30	Peak	125.00	150	Horizontal	Pass
1**	2483.500	46.98	1.98	54.0	-7.02	AV	125.00	150	Horizontal	Pass
2	2487.700	59.57	1.74	74.0	-14.43	Peak	115.00	150	Horizontal	Pass
2**	2487.700	49.03	1.74	54.0	-4.97	AV	115.00	150	Horizontal	Pass

802.11g LOW CHANNEL



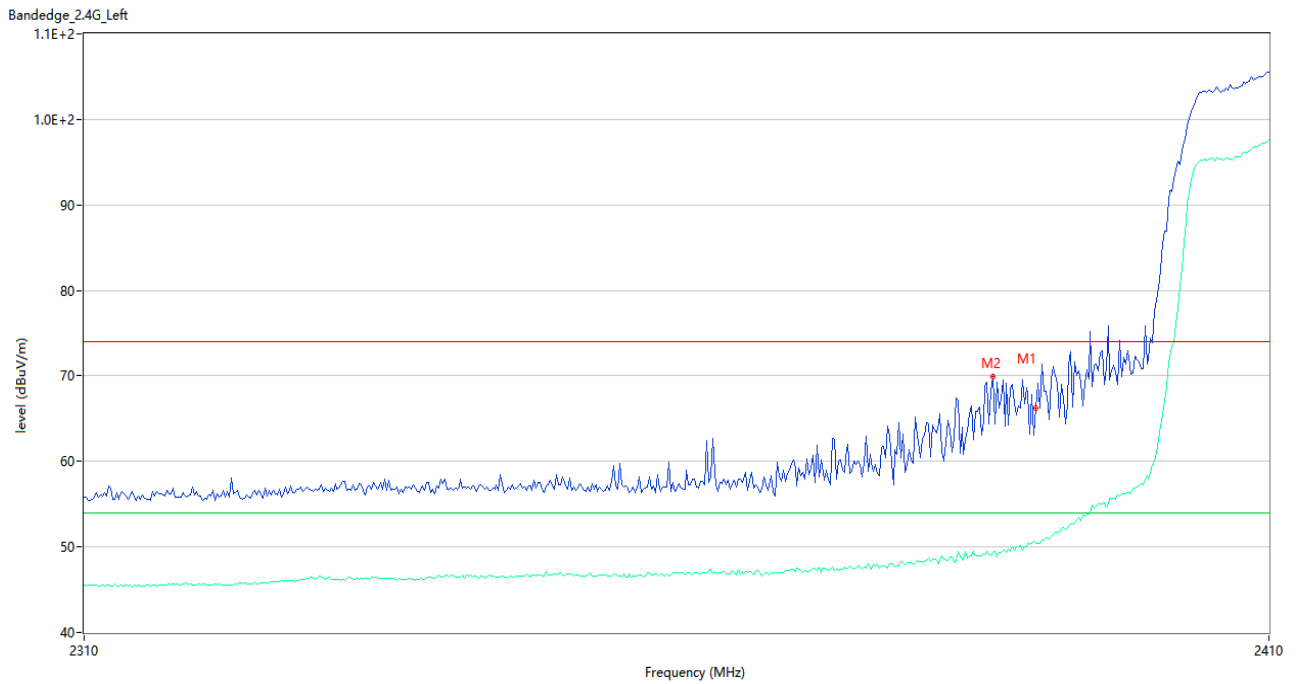
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	65.85	1.62	74.0	-8.15	Peak	130.00	150	Horizontal	Pass
1**	2390.000	50.09	1.62	54.0	-3.91	AV	130.00	150	Horizontal	Pass
2	2388.833	68.67	1.71	74.0	-5.33	Peak	146.00	150	Horizontal	Pass
2**	2388.833	49.84	1.71	54.0	-4.16	AV	146.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



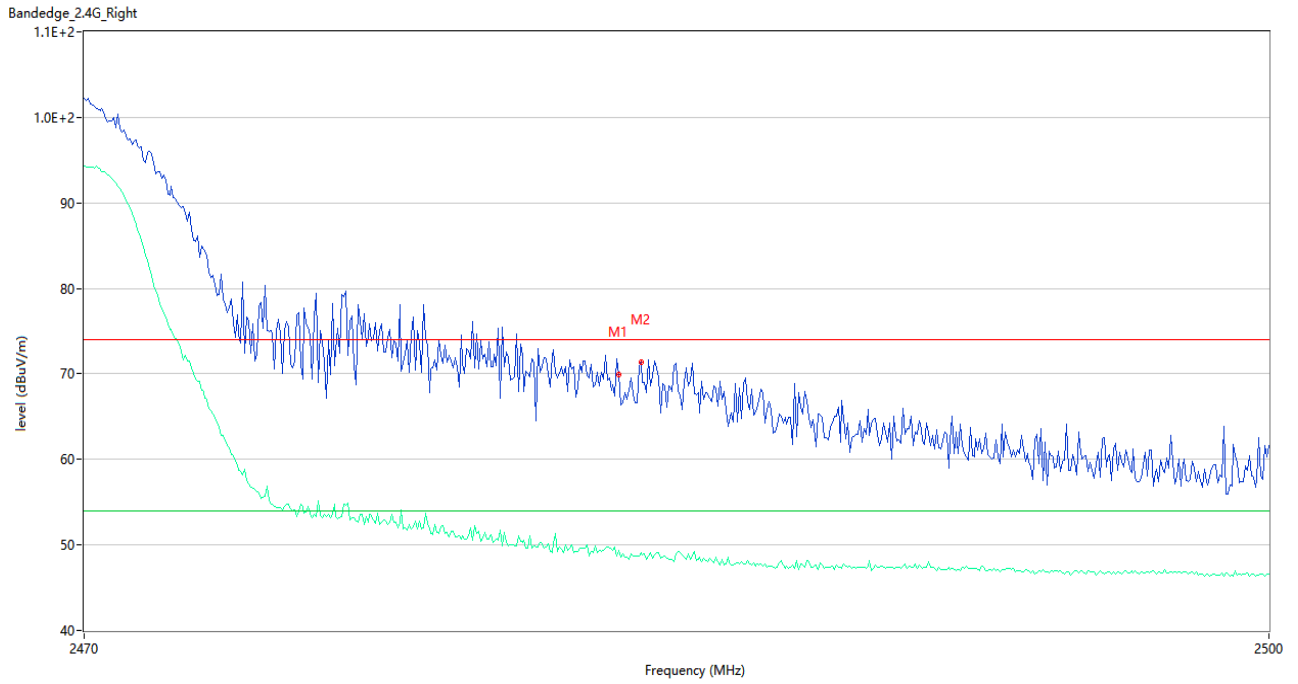
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	67.73	1.98	74.0	-6.27	Peak	95.00	150	Horizontal	Pass
1**	2483.500	50.18	1.98	54.0	-3.82	AV	95.00	150	Horizontal	Pass
2	2485.550	69.90	1.88	74.0	-4.10	Peak	110.00	150	Horizontal	Pass
2**	2485.550	49.06	1.88	54.0	-4.94	AV	110.00	150	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	2390.000	66.25	1.62	74.0	-7.75	Peak	100.00	150	Horizontal	Pass
1**	2390.000	48.56	1.62	54.0	-5.44	AV	100.00	150	Horizontal	Pass
2	2386.333	69.88	1.83	74.0	-4.12	Peak	266.00	150	Horizontal	Pass
2**	2386.333	49.33	1.83	54.0	-4.67	AV	266.00	150	Horizontal	Pass

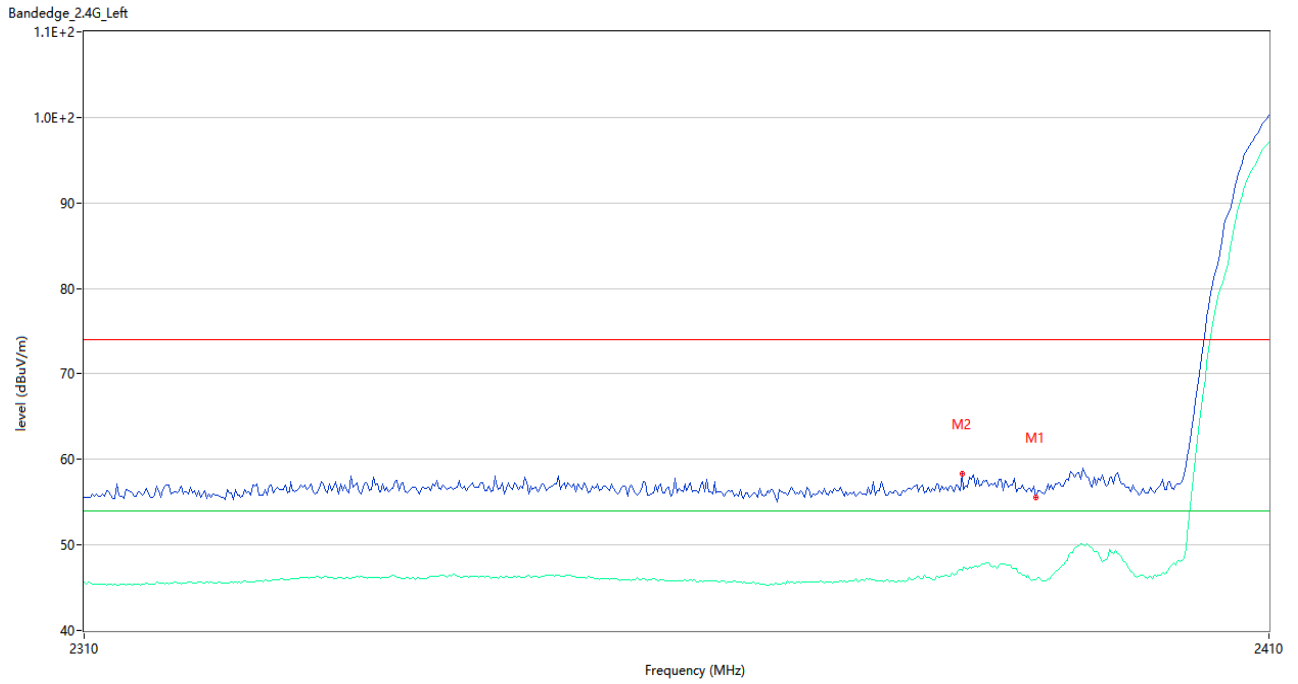
802.11n20 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	69.98	1.98	74.0	-4.02	Peak	325.00	150	Horizontal	Pass
1**	2483.500	49.34	1.98	54.0	-4.66	AV	325.00	150	Horizontal	Pass
2	2484.050	70.94	1.99	74.0	-3.06	Peak	84.00	150	Horizontal	Pass
2**	2484.050	49.08	1.99	54.0	-4.92	AV	84.00	150	Horizontal	Pass

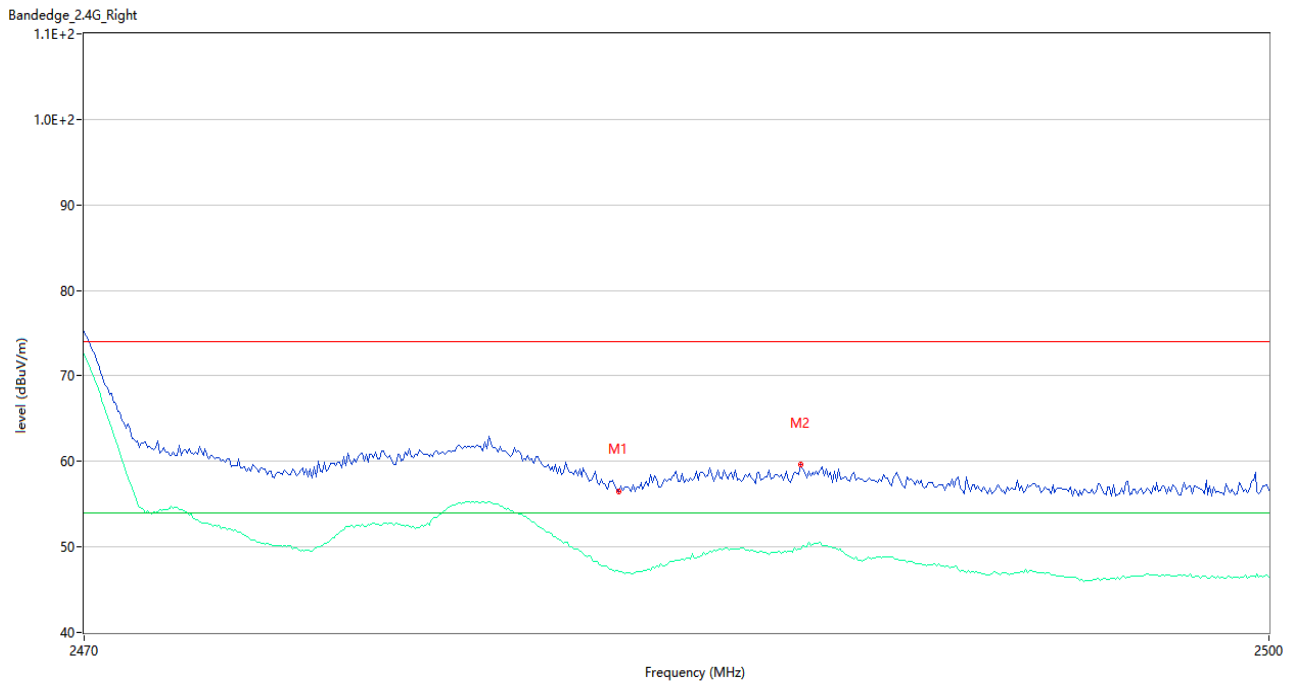
Aux. Antenna

802.11b LOW CHANNEL



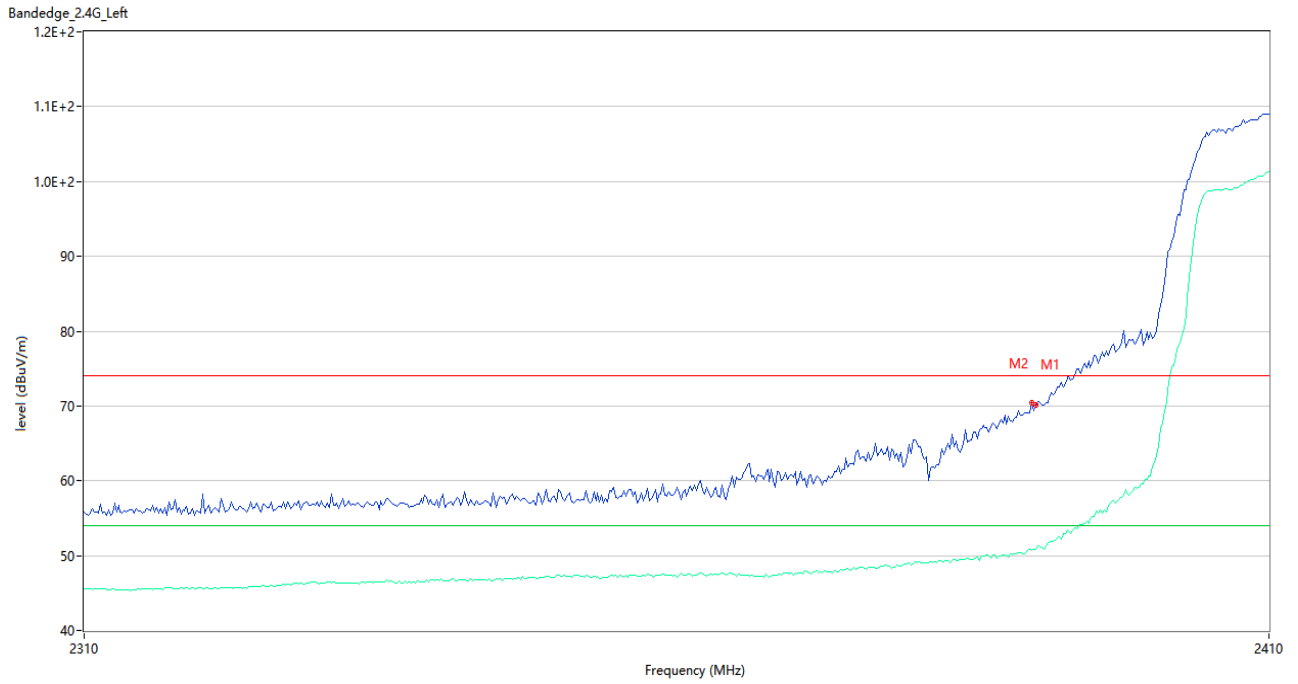
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	55.59	1.62	74.0	-18.41	Peak	206.00	150	Horizontal	Pass
1**	2390.000	45.99	1.62	54.0	-8.01	AV	206.00	150	Horizontal	Pass
2	2383.667	58.30	1.79	74.0	-15.70	Peak	329.00	150	Horizontal	Pass
2**	2383.667	46.98	1.79	54.0	-7.02	AV	329.00	150	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	2483.500	56.53	1.98	74.0	-17.47	Peak	297.00	150	Horizontal	Pass
1**	2483.500	47.18	1.98	54.0	-6.82	AV	297.00	150	Horizontal	Pass
2	2488.100	59.58	1.72	74.0	-14.42	Peak	114.00	150	Horizontal	Pass
2**	2488.100	49.80	1.72	54.0	-4.20	AV	114.00	150	Horizontal	Pass

802.11g LOW CHANNEL



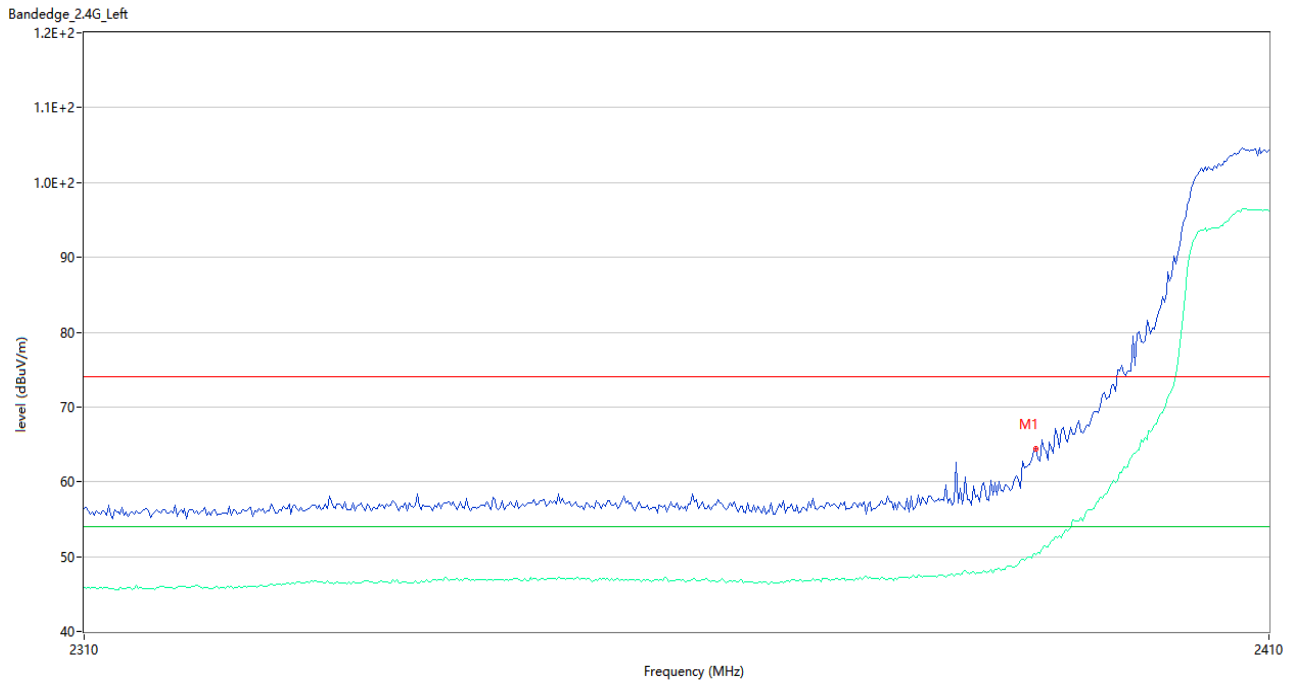
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	70.17	1.62	74.0	-3.83	Peak	151.00	150	Horizontal	Pass
1**	2390.000	50.87	1.62	54.0	-3.13	AV	151.00	150	Horizontal	Pass
2	2389.667	70.51	1.65	74.0	-3.49	Peak	114.00	150	Horizontal	Pass
2**	2389.667	50.67	1.65	54.0	-3.33	AV	114.00	150	Horizontal	Pass

802.11g HIGH CHANNEL



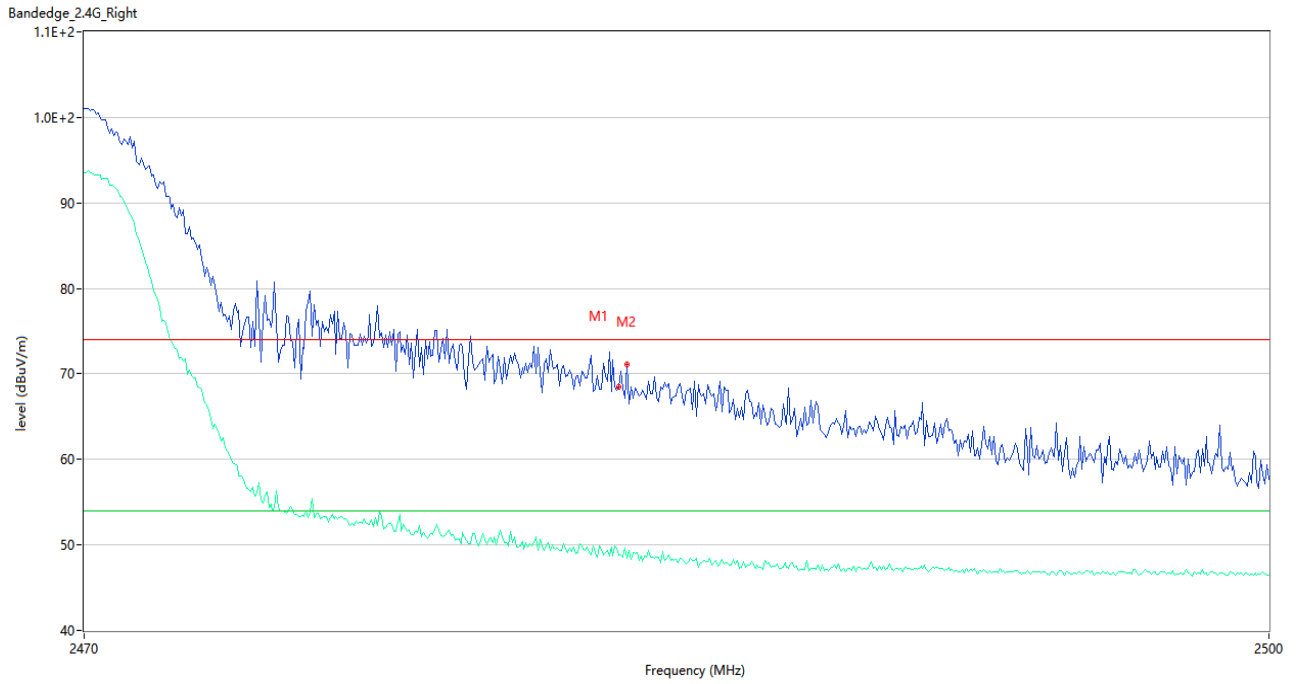
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	68.45	1.98	74.0	-5.55	Peak	113.00	150	Horizontal	Pass
1**	2483.500	50.64	1.98	54.0	-3.36	AV	113.00	150	Horizontal	Pass
2	2484.250	70.15	1.99	74.0	-3.85	Peak	65.00	150	Horizontal	Pass
2**	2484.250	50.13	1.99	54.0	-3.87	AV	65.00	150	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	2390.000	64.44	1.62	74.0	-9.56	Peak	19.00	150	Horizontal	Pass
1**	2390.000	50.51	1.62	54.0	-3.49	AV	19.00	150	Horizontal	Pass

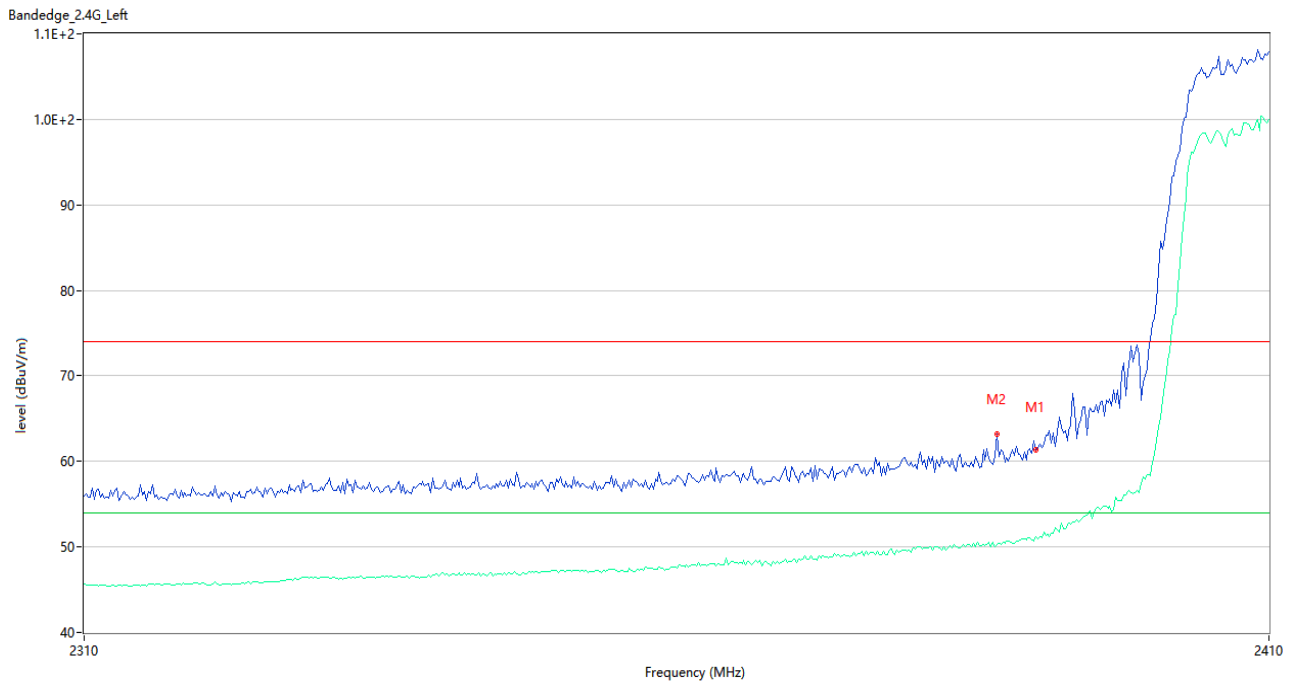
802.11n20 HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	68.52	1.98	74.0	-5.48	Peak	360.00	150	Horizontal	Pass
1**	2483.500	47.93	1.98	54.0	-6.07	AV	360.00	150	Horizontal	Pass
2	2483.700	70.99	1.99	74.0	-3.01	Peak	360.00	150	Horizontal	Pass
2**	2483.700	48.38	1.99	54.0	-5.62	AV	360.00	150	Horizontal	Pass

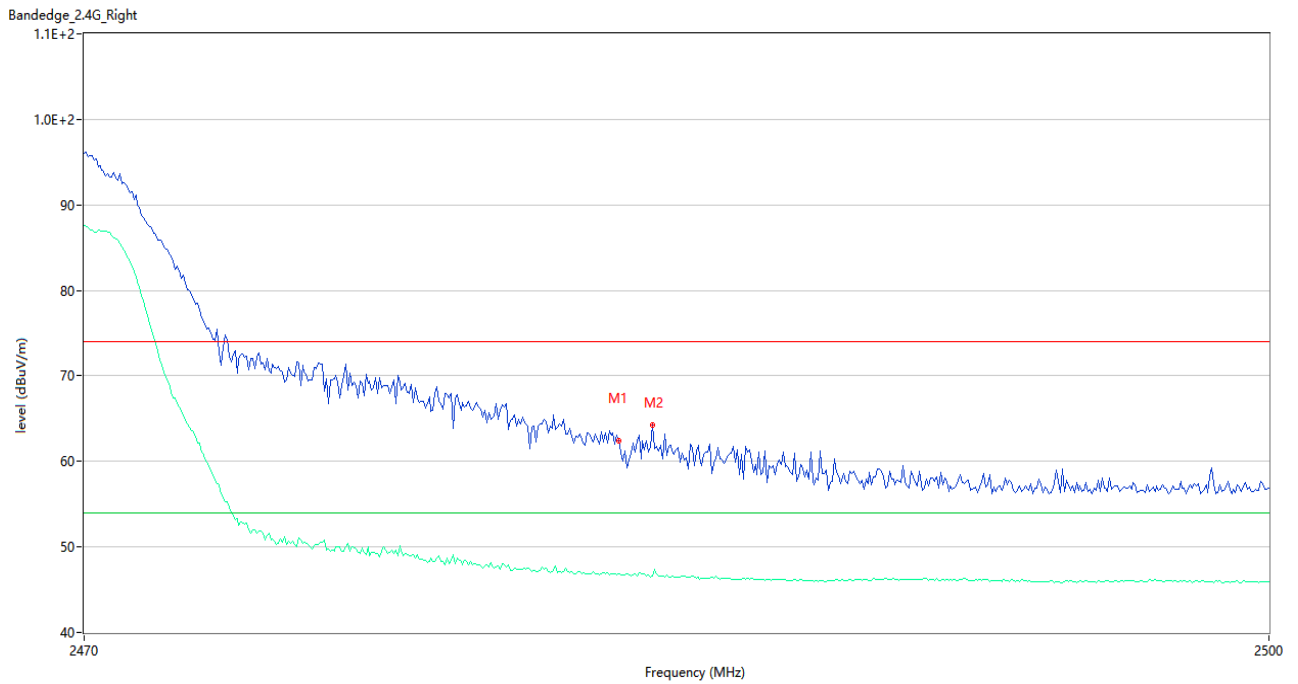
MIMO

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	2390.000	61.39	1.62	74.0	-12.61	Peak	273.00	150	Horizontal	Pass
1**	2390.000	50.99	1.62	54.0	-3.01	AV	273.00	150	Horizontal	Pass
2	2386.667	63.18	1.82	74.0	-10.82	Peak	284.00	150	Horizontal	Pass
2**	2386.667	50.31	1.82	54.0	-3.69	AV	284.00	150	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	2483.500	62.38	1.98	74.0	-11.62	Peak	0.00	150	Horizontal	Pass
1**	2483.500	46.85	1.98	54.0	-7.15	AV	0.00	150	Horizontal	Pass
2	2484.350	64.29	1.98	74.0	-9.71	Peak	0.00	150	Horizontal	Pass
2**	2484.350	46.62	1.98	54.0	-7.38	AV	0.00	150	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

Main Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.75	8
Middle	-15.80	8
High	-15.39	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-19.62	8
Middle	-16.67	8
High	-18.34	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-21.14	8
Middle	-16.92	8
High	-20.93	8

Aux. Antenna

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-13.62	8
Middle	-13.63	8
High	-13.60	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.16	8
Middle	-13.92	8
High	-15.85	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-18.38	8
Middle	-15.00	8
High	-16.88	8

MIMO-Main Antenna

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.19	8
Middle	-18.46	8
High	-18.97	8

MIMO-Aux. Antenna

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.20	8
Middle	-18.65	8
High	-14.86	8

MIMO

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.74	8
Middle	-15.54	8
High	-13.43	8

Test Plots

Main Antenna

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



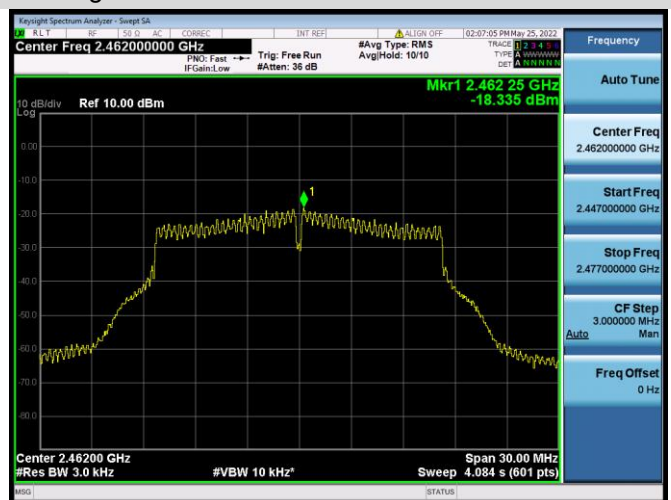
802.11g LOW CHANNEL



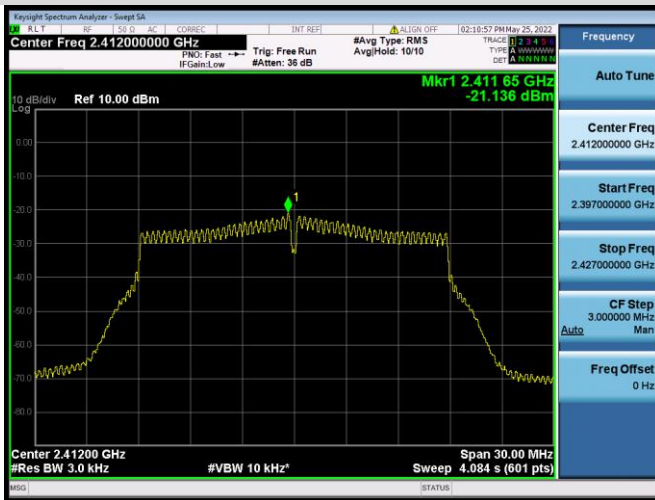
802.11g MIDDLE CHANNEL



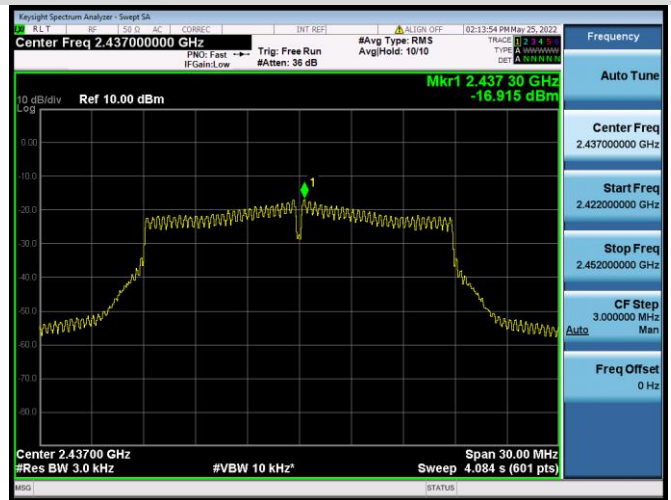
802.11g HIGH CHANNEL



802.11n-20 MHz LOW CHANNEL



802.11 n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



Aux. Antenna

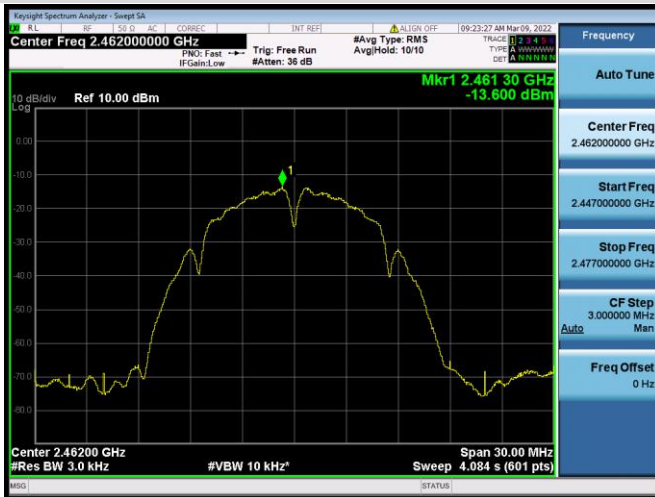
802.11b LOW CHANNEL



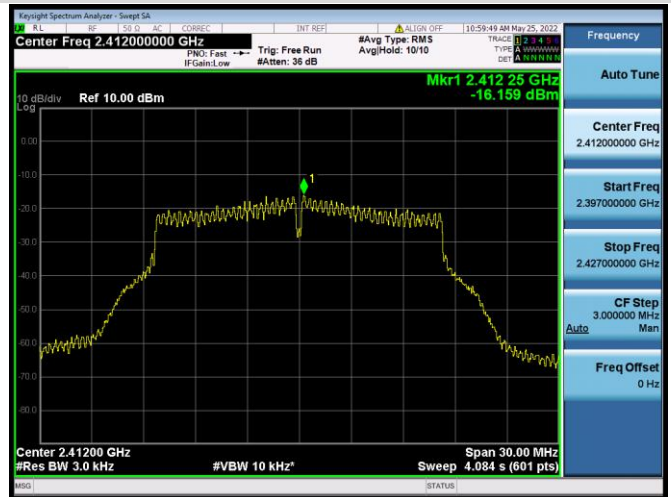
802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



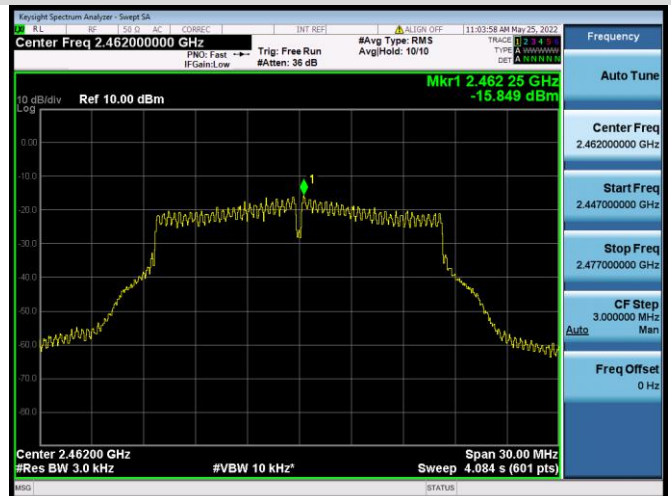
802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



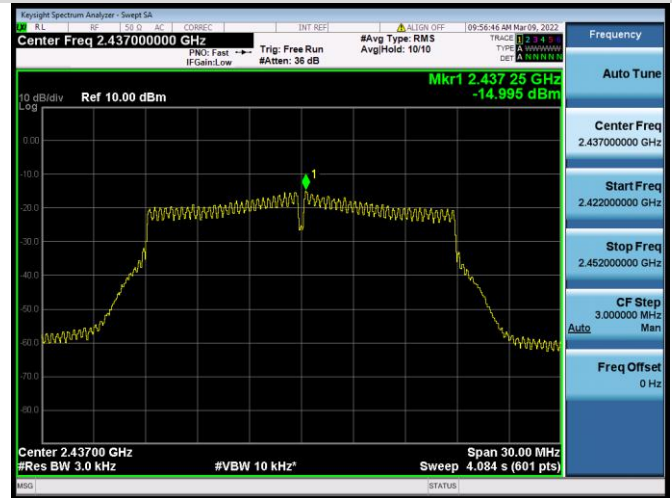
802.11g HIGH CHANNEL



802.11n-20 MHz LOW CHANNEL



802.11 n-20 MHz MIDDLE CHANNEL

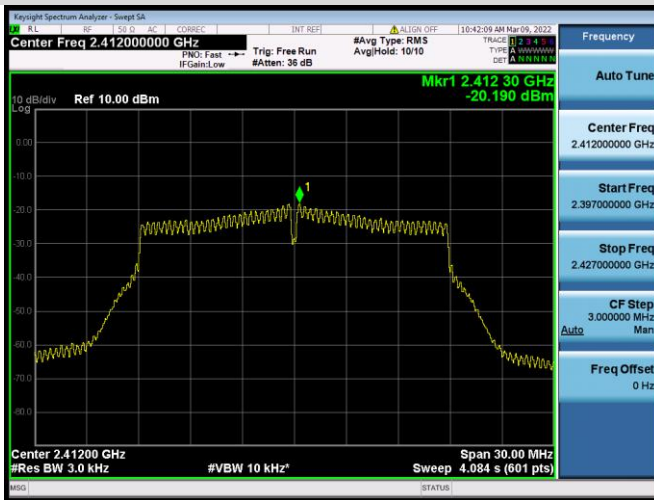


802.11n-20 MHz HIGH CHANNEL



MIMO-Main Antenna

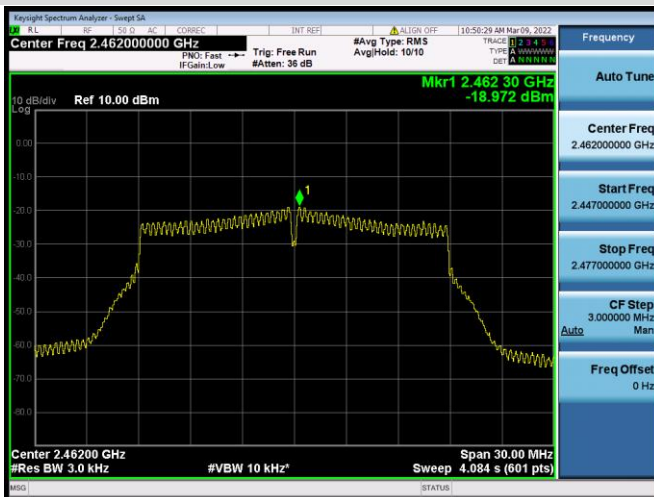
802.11n-20 MHz LOW CHANNEL



802.11 n-20 MHz MIDDLE CHANNEL

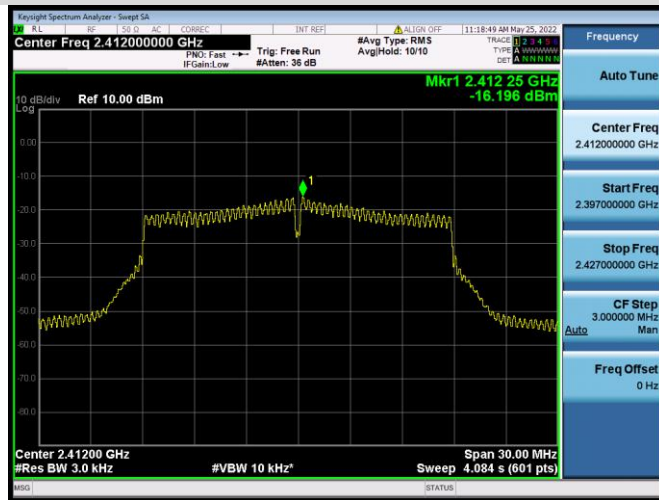


802.11n-20 MHz HIGH CHANNEL

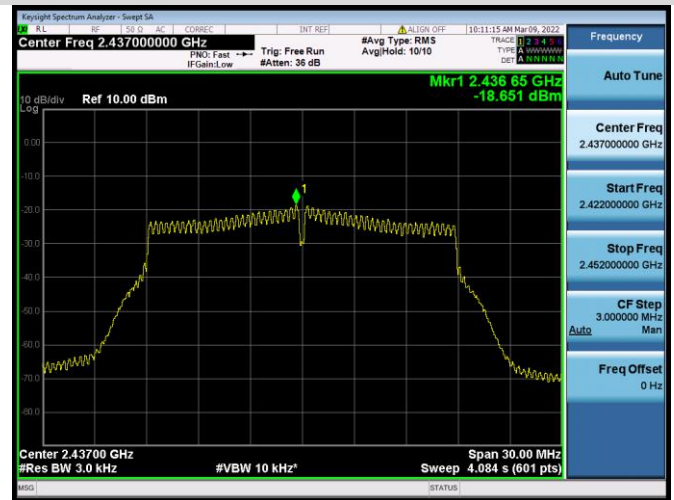


MIMO-Aux. Antenna

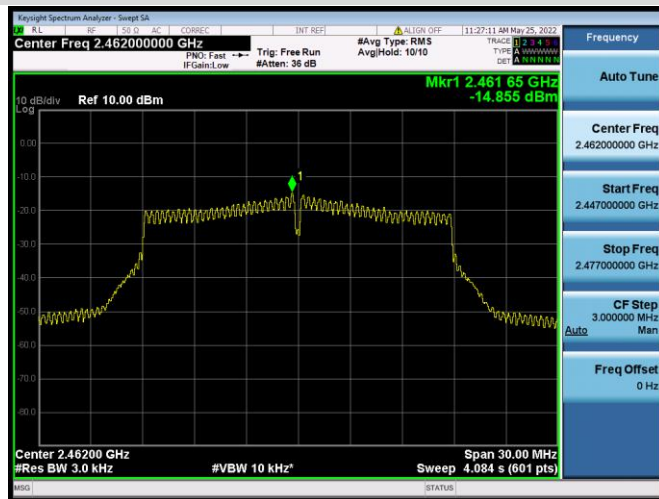
802.11n-20 MHz LOW CHANNEL



802.11 n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-EC2220134-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-EC2220134-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-EC2220134-AI.PDF”.

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--END OF REPORT--