

Chain1

Test Plots

802.11b LOW CHANNEL, CARRIER LEVEL



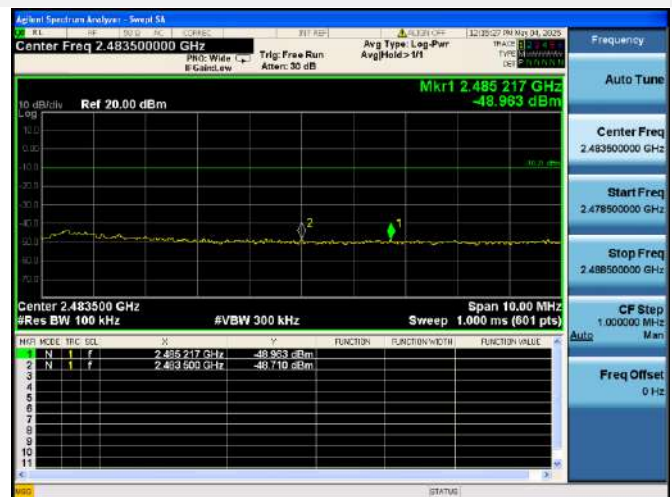
802.11b LOW CHANNEL, BAND EDGE



802.11b HIGH CHANNEL, CARRIER LEVEL



802.11b HIGH CHANNEL, BAND EDGE



802.11g LOW CHANNEL, CARRIER LEVEL



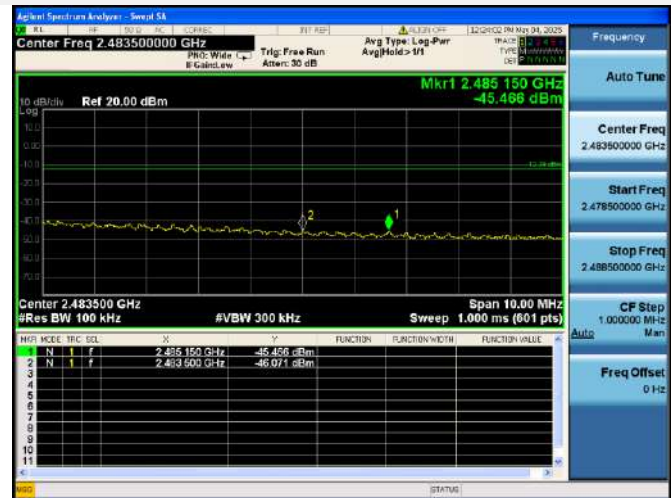
802.11g LOW CHANNEL, BAND EDGE



802.11g HIGH CHANNEL, CARRIER LEVEL



802.11g HIGH CHANNEL, BAND EDGE



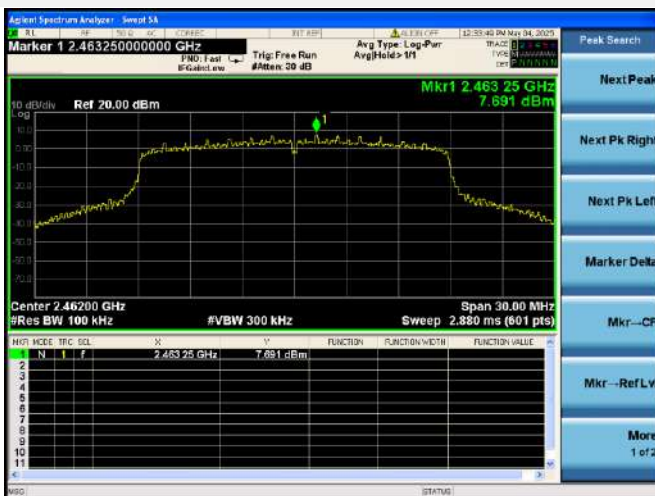
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



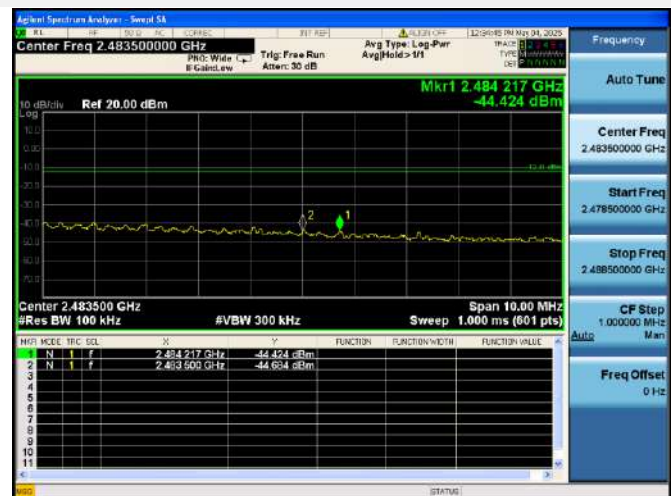
802.11n-20 MHz LOW CHANNEL, BAND EDGE



802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



802.11ax-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL



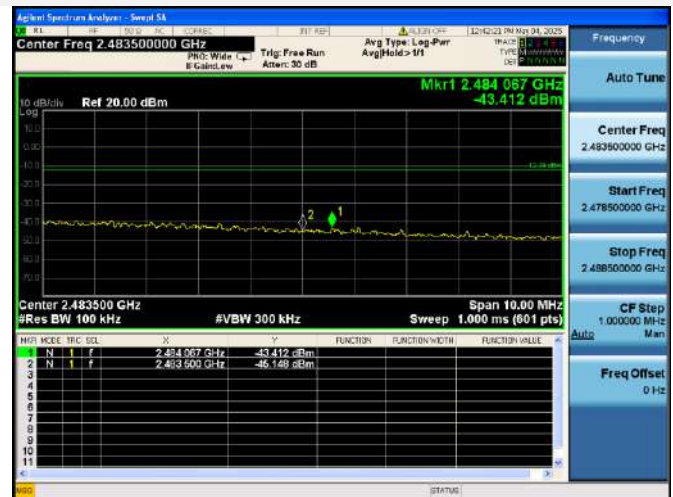
802.11ax-20 MHz(SU) LOW CHANNEL, BAND EDGE



802.11ax-20 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



802.11ax-20 MHz(SU) HIGH CHANNEL, BAND EDGE



802.11be-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL



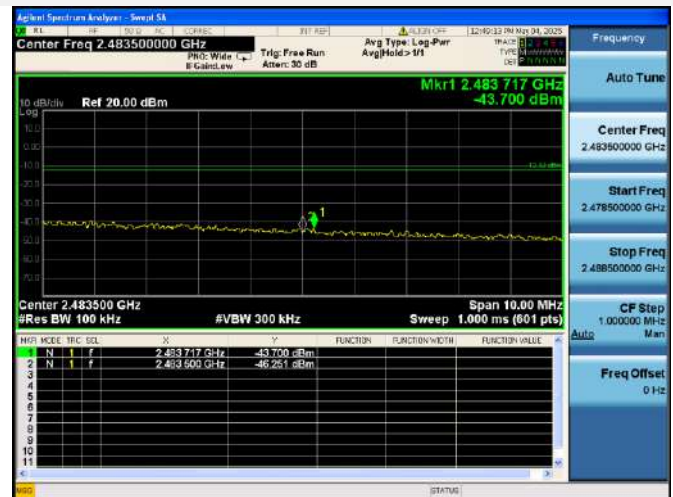
802.11be-20 MHz(SU) LOW CHANNEL, BAND EDGE



802.11be-20 MHz(SU) HIGH CHANNEL, CARRIER LEVEL



802.11be-20 MHz(SU) HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

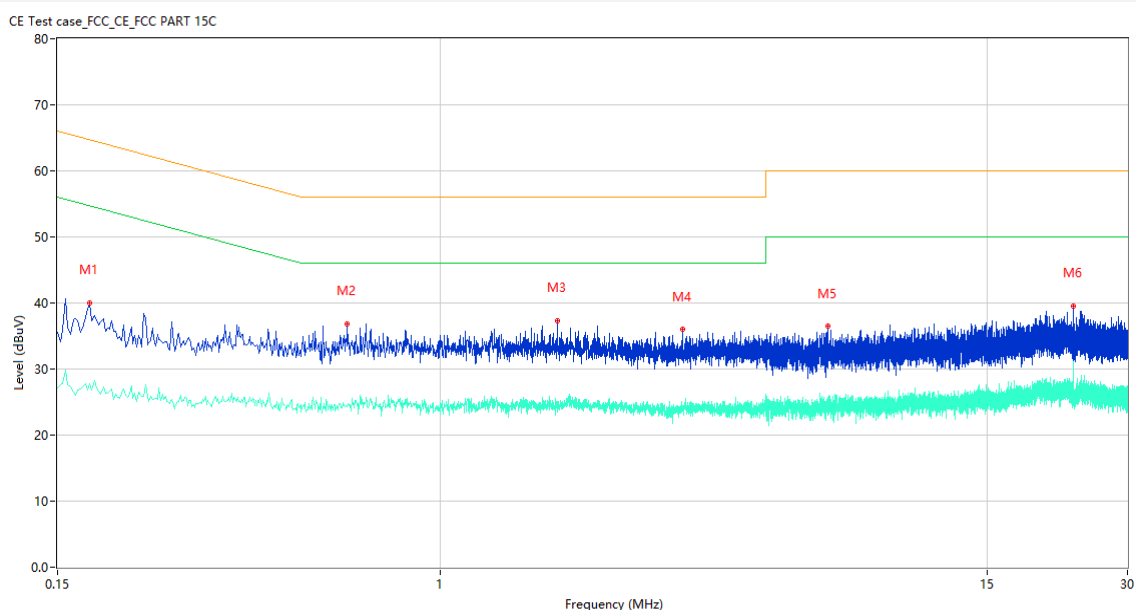
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

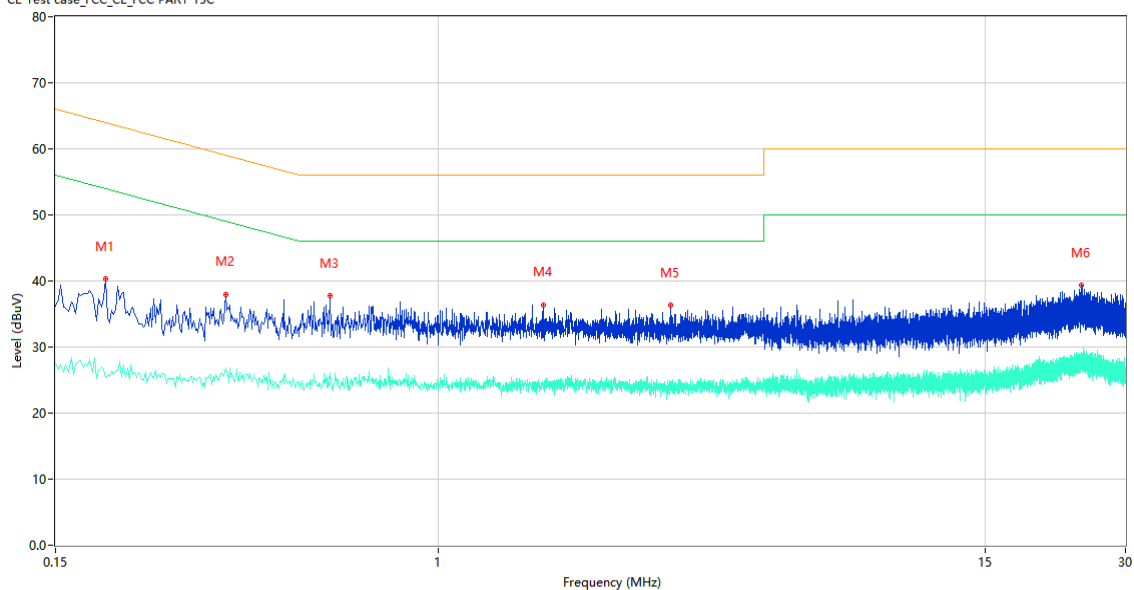
PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.176	40.08	9.78	64.67	24.59	Peak	L	Pass
1**	0.176	27.83	9.78	54.67	26.84	AV	L	Pass
2	0.630	36.88	10.19	56.00	19.12	Peak	L	Pass
2**	0.630	24.29	10.19	46.00	21.71	AV	L	Pass
3	1.784	37.35	10.18	56.00	18.65	Peak	L	Pass
3**	1.784	25.06	10.18	46.00	20.94	AV	L	Pass
4	3.318	35.98	10.38	56.00	20.02	Peak	L	Pass
4**	3.318	24.47	10.38	46.00	21.53	AV	L	Pass
5	6.814	36.48	10.13	60.00	23.52	Peak	L	Pass
5**	6.814	24.24	10.13	50.00	25.76	AV	L	Pass
6	22.906	39.57	10.91	60.00	20.43	Peak	L	Pass
6**	22.906	30.32	10.91	50.00	19.68	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.192	40.26	9.77	63.95	23.69	Peak	N	Pass
1**	0.192	25.40	9.77	53.95	28.55	AV	N	Pass
2	0.348	37.99	10.72	59.01	21.02	Peak	N	Pass
2**	0.348	26.78	10.72	49.01	22.23	AV	N	Pass
3	0.584	37.71	10.12	56.00	18.29	Peak	N	Pass
3**	0.584	26.03	10.12	46.00	19.97	AV	N	Pass
4	1.676	36.37	10.08	56.00	19.63	Peak	N	Pass
4**	1.676	24.61	10.08	46.00	21.39	AV	N	Pass
5	3.152	36.33	10.03	56.00	19.67	Peak	N	Pass
5**	3.152	24.62	10.03	46.00	21.38	AV	N	Pass
6	24.164	39.29	11.01	60.00	20.71	Peak	N	Pass
6**	24.164	29.12	11.01	50.00	20.88	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 C63.10-2013, 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.

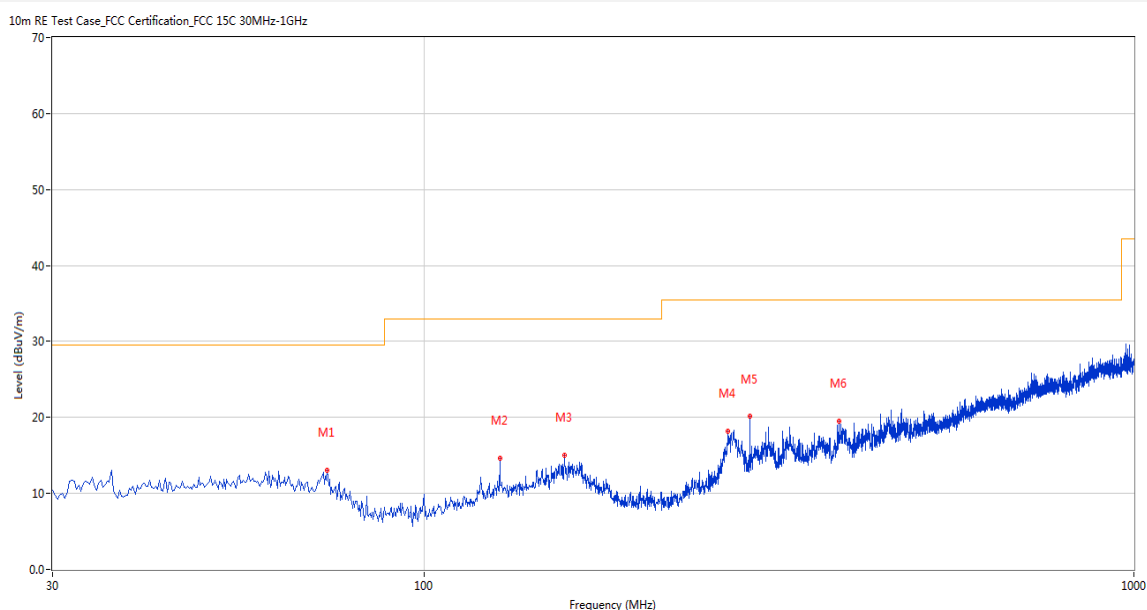
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

Note⁵: Both model of the charger were tested in this report. The C-P35 (Huntkey) is the main test model, and the C-P35 (Acbel) only retest the below 1GHz in this report.

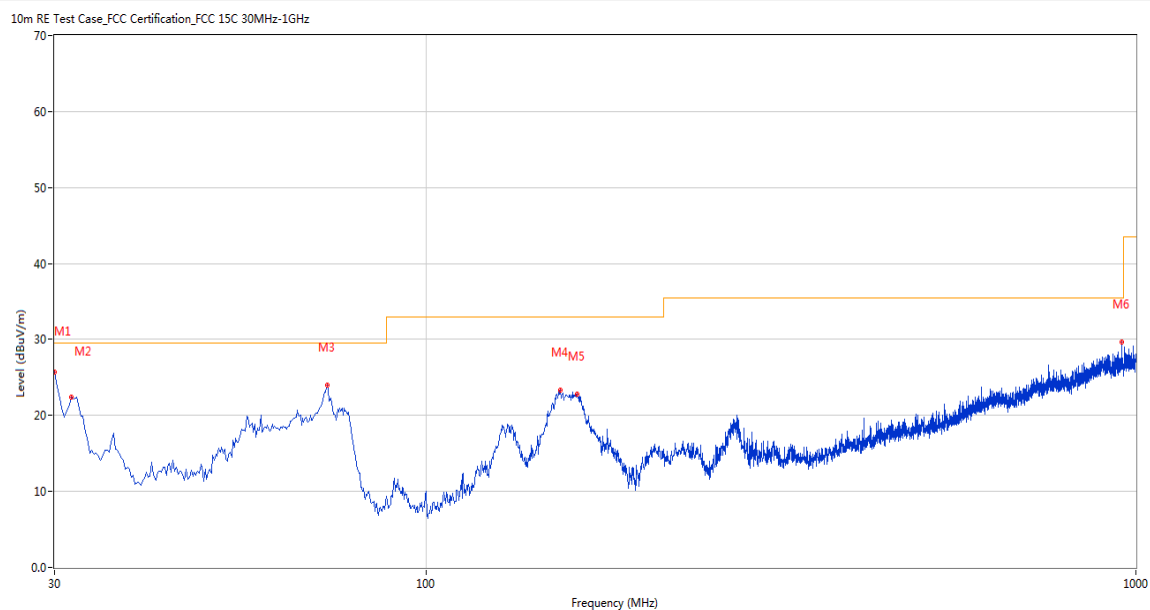
Test Data and Plots

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	73.154	13.06	-28.86	29.5	16.44	Peak	19.00	100	Horizontal	Pass
2	127.946	14.63	-27.27	33.0	18.37	Peak	298.00	200	Horizontal	Pass
3	157.766	15.05	-25.66	33.0	17.95	Peak	260.00	200	Horizontal	Pass
4	268.318	18.14	-25.90	35.5	17.36	Peak	78.00	200	Horizontal	Pass
5	287.956	20.11	-25.18	35.5	15.39	Peak	84.00	200	Horizontal	Pass
6	384.689	19.54	-22.43	35.5	15.96	Peak	254.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	30.000	25.70	-27.82	29.5	3.80	Peak	360.00	200	Vertical	Pass
2	31.697	22.37	-27.63	29.5	7.13	Peak	13.00	100	Vertical	Pass
3	72.669	23.94	-28.80	29.5	5.56	Peak	134.00	100	Vertical	Pass
4	154.614	23.33	-25.44	33.0	9.67	Peak	249.00	100	Vertical	Pass
5	163.342	22.78	-25.72	33.0	10.22	Peak	13.00	100	Vertical	Pass
6	954.906	29.72	-10.40	35.5	5.78	Peak	183.00	200	Vertical	Pass

Note¹: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note²: The spurious above 18G is noise only, do not show on the report.

Note³: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note⁴: All antenna were pre tested, but only the worst case has been reported in this report.

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1425.600	42.36	74.0	31.64	Peak	0.00	100	Horizontal	Pass
1**	1425.600	32.16	54.0	21.84	AV	0.00	100	Horizontal	Pass
2	2410.900	105.62	74.0	-31.62	Peak	226.00	150	Horizontal	N/A
2**	2410.900	102.83	54.0	-48.83	AV	226.00	150	Horizontal	N/A
3	4983.250	50.16	74.0	23.84	Peak	126.00	150	Horizontal	Pass
3**	4983.250	40.14	54.0	13.86	AV	126.00	150	Horizontal	Pass
4	6911.000	54.25	74.0	19.75	Peak	18.00	100	Horizontal	Pass
4**	6911.000	45.22	54.0	8.78	AV	18.00	100	Horizontal	Pass
5	12502.050	53.66	74.0	20.34	Peak	52.00	300	Horizontal	Pass
5**	12502.050	44.87	54.0	9.13	AV	52.00	300	Horizontal	Pass
6	16986.488	55.99	74.0	18.01	Peak	193.00	200	Horizontal	Pass
6**	16986.488	46.36	54.0	7.64	AV	193.00	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	1318.500	42.30	74.0	31.70	Peak	12.00	300	Vertical	Pass
1**	1318.500	32.41	54.0	21.59	AV	12.00	300	Vertical	Pass
2	2410.800	105.89	74.0	-31.89	Peak	3.00	200	Vertical	N/A
2**	2410.800	103.03	54.0	-49.03	AV	3.00	200	Vertical	N/A
3	4822.250	50.65	74.0	23.35	Peak	181.00	200	Vertical	Pass
3**	4822.250	40.43	54.0	13.57	AV	181.00	200	Vertical	Pass
4	7590.250	54.26	74.0	19.74	Peak	0.00	200	Vertical	Pass
4**	7590.250	43.54	54.0	10.46	AV	0.00	200	Vertical	Pass
5	12977.063	54.32	74.0	19.68	Peak	349.00	200	Vertical	Pass
5**	12977.063	45.02	54.0	8.98	AV	349.00	200	Vertical	Pass
6	16974.151	55.69	74.0	18.31	Peak	19.00	200	Vertical	Pass
6**	16974.151	46.98	54.0	7.02	AV	19.00	200	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	1338.500	42.34	74.0	31.66	Peak	107.00	200	Horizontal	Pass
1**	1338.500	32.96	54.0	21.04	AV	107.00	200	Horizontal	Pass
2	2435.800	106.79	74.0	-32.79	Peak	225.00	200	Horizontal	N/A
2**	2435.800	103.91	54.0	-49.91	AV	225.00	200	Horizontal	N/A
3	4874.000	50.53	74.0	23.47	Peak	186.00	200	Horizontal	Pass
3**	4874.000	44.44	54.0	9.56	AV	186.00	200	Horizontal	Pass
4	4874.250	48.62	74.0	25.38	Peak	186.00	100	Horizontal	Pass
4**	4874.250	44.84	54.0	9.16	AV	186.00	100	Horizontal	Pass
5	6890.500	53.71	74.0	20.29	Peak	289.00	100	Horizontal	Pass
5**	6890.500	45.61	54.0	8.39	AV	289.00	100	Horizontal	Pass
6	12493.737	53.84	74.0	20.16	Peak	181.00	300	Horizontal	Pass
6**	12493.737	44.98	54.0	9.02	AV	181.00	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	1346.800	41.93	74.0	32.07	Peak	144.00	100	Vertical	Pass
1**	1346.800	33.01	54.0	20.99	AV	144.00	100	Vertical	Pass
2	2435.900	106.30	74.0	-32.30	Peak	190.00	150	Vertical	N/A
2**	2435.900	103.47	54.0	-49.47	AV	190.00	150	Vertical	N/A
3	4812.000	50.21	74.0	23.79	Peak	221.00	200	Vertical	Pass
3**	4812.000	40.94	54.0	13.06	AV	221.00	200	Vertical	Pass
4	4874.000	50.09	74.0	23.91	Peak	118.00	100	Vertical	Pass
4**	4874.000	44.46	54.0	9.54	AV	118.00	100	Vertical	Pass
5	6874.750	53.83	74.0	20.17	Peak	286.00	400	Vertical	Pass
5**	6874.750	45.00	54.0	9.00	AV	286.00	400	Vertical	Pass
6	12474.738	54.21	74.0	19.79	Peak	251.00	300	Vertical	Pass
6**	12474.738	44.74	54.0	9.26	AV	251.00	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	1472.700	42.03	74.0	31.97	Peak	169.00	100	Horizontal	Pass
1**	1472.700	32.99	54.0	21.01	AV	169.00	100	Horizontal	Pass
2	2460.700	105.47	74.0	-31.47	Peak	225.00	200	Horizontal	N/A
2**	2460.700	102.54	54.0	-48.54	AV	225.00	200	Horizontal	N/A
3	4907.000	49.72	74.0	24.28	Peak	360.00	150	Horizontal	Pass
3**	4907.000	40.50	54.0	13.50	AV	360.00	150	Horizontal	Pass
4	6889.750	53.61	74.0	20.39	Peak	303.00	300	Horizontal	Pass
4**	6889.750	44.67	54.0	9.33	AV	303.00	300	Horizontal	Pass
5	12504.662	54.10	74.0	19.90	Peak	139.00	400	Horizontal	Pass
5**	12504.662	45.00	54.0	9.00	AV	139.00	400	Horizontal	Pass
6	16861.275	56.06	74.0	17.94	Peak	341.00	400	Horizontal	Pass
6**	16861.275	46.96	54.0	7.04	AV	341.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1335.600	41.74	74.0	32.26	Peak	24.00	100	Vertical	Pass
1**	1335.600	32.23	54.0	21.77	AV	24.00	100	Vertical	Pass
2	2460.900	105.46	74.0	-31.46	Peak	203.00	150	Vertical	N/A
2**	2460.900	102.55	54.0	-48.55	AV	203.00	150	Vertical	N/A
3	4930.750	49.89	74.0	24.11	Peak	230.00	150	Vertical	Pass
3**	4930.750	40.23	54.0	13.77	AV	230.00	150	Vertical	Pass
4	6889.000	54.18	74.0	19.82	Peak	230.00	200	Vertical	Pass
4**	6889.000	45.00	54.0	9.00	AV	230.00	200	Vertical	Pass
5	12444.100	54.22	74.0	19.78	Peak	263.00	400	Vertical	Pass
5**	12444.100	44.19	54.0	9.81	AV	263.00	400	Vertical	Pass
6	16862.588	55.92	74.0	18.08	Peak	133.00	100	Vertical	Pass
6**	16862.588	46.57	54.0	7.43	AV	133.00	100	Vertical	Pass

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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	1244.300	41.94	74.0	32.06	Peak	360.00	300	Horizontal	Pass
1**	1244.300	31.74	54.0	22.26	AV	360.00	300	Horizontal	Pass
2	2413.400	107.68	74.0	-33.68	Peak	235.00	100	Horizontal	N/A
2**	2413.400	99.42	54.0	-45.42	AV	235.00	100	Horizontal	N/A
3	4988.750	49.89	74.0	24.11	Peak	161.00	150	Horizontal	Pass
3**	4988.750	40.95	54.0	13.05	AV	161.00	150	Horizontal	Pass
4	6914.750	53.81	74.0	20.19	Peak	294.00	400	Horizontal	Pass
4**	6914.750	45.22	54.0	8.78	AV	294.00	400	Horizontal	Pass
5	12993.599	54.51	74.0	19.49	Peak	0.00	200	Horizontal	Pass
5**	12993.599	45.07	54.0	8.93	AV	0.00	200	Horizontal	Pass
6	16838.699	55.80	74.0	18.20	Peak	87.00	200	Horizontal	Pass
6**	16838.699	45.66	54.0	8.34	AV	87.00	200	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	1404.200	42.58	74.0	31.42	Peak	115.00	100	Vertical	Pass
1**	1404.200	31.92	54.0	22.08	AV	115.00	100	Vertical	Pass
2	2412.800	107.44	74.0	-33.44	Peak	4.00	150	Vertical	N/A
2**	2412.800	100.51	54.0	-46.51	AV	4.00	150	Vertical	N/A
3	4813.500	49.74	74.0	24.26	Peak	298.00	100	Vertical	Pass
3**	4813.500	41.03	54.0	12.97	AV	298.00	100	Vertical	Pass
4	6888.250	53.85	74.0	20.15	Peak	57.00	100	Vertical	Pass
4**	6888.250	45.44	54.0	8.56	AV	57.00	100	Vertical	Pass
5	12478.537	54.06	74.0	19.94	Peak	175.00	400	Vertical	Pass
5**	12478.537	44.53	54.0	9.47	AV	175.00	400	Vertical	Pass
6	17433.526	56.10	74.0	17.90	Peak	298.00	400	Vertical	Pass
6**	17433.526	46.28	54.0	7.72	AV	298.00	400	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	1589.000	41.94	74.0	32.06	Peak	5.00	400	Horizontal	Pass
1**	1589.000	32.55	54.0	21.45	AV	5.00	400	Horizontal	Pass
2	2438.600	108.25	74.0	-34.25	Peak	237.00	200	Horizontal	N/A
2**	2438.600	100.66	54.0	-46.66	AV	237.00	200	Horizontal	N/A
3	4761.750	50.72	74.0	23.28	Peak	328.00	150	Horizontal	Pass
3**	4761.750	40.17	54.0	13.83	AV	328.00	150	Horizontal	Pass
4	6890.500	54.03	74.0	19.97	Peak	265.00	100	Horizontal	Pass
4**	6890.500	45.21	54.0	8.79	AV	265.00	100	Horizontal	Pass
5	12974.175	54.10	74.0	19.90	Peak	65.00	300	Horizontal	Pass
5**	12974.175	44.80	54.0	9.20	AV	65.00	300	Horizontal	Pass
6	16982.813	56.03	74.0	17.97	Peak	127.00	400	Horizontal	Pass
6**	16982.813	46.42	54.0	7.58	AV	127.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.800	42.32	74.0	31.68	Peak	21.00	300	Vertical	Pass
1**	1496.800	32.67	54.0	21.33	AV	21.00	300	Vertical	Pass
2	2432.400	107.12	74.0	-33.12	Peak	0.00	100	Vertical	N/A
2**	2432.400	99.05	54.0	-45.05	AV	0.00	100	Vertical	N/A
3	4997.250	49.77	74.0	24.23	Peak	164.00	150	Vertical	Pass
3**	4997.250	40.60	54.0	13.40	AV	164.00	150	Vertical	Pass
4	7328.250	55.10	74.0	18.90	Peak	144.00	100	Vertical	Pass
4**	7328.250	44.01	54.0	9.99	AV	144.00	100	Vertical	Pass
5	12966.563	53.60	74.0	20.40	Peak	183.00	300	Vertical	Pass
5**	12966.563	44.69	54.0	9.31	AV	183.00	300	Vertical	Pass
6	17387.588	55.98	74.0	18.02	Peak	289.00	100	Vertical	Pass
6**	17387.588	45.64	54.0	8.36	AV	289.00	100	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	1484.600	42.84	74.0	31.16	Peak	51.00	200	Horizontal	Pass
1**	1484.600	33.31	54.0	20.69	AV	51.00	200	Horizontal	Pass
2	2462.900	106.79	74.0	-32.79	Peak	226.00	100	Horizontal	N/A
2**	2462.900	99.78	54.0	-45.78	AV	226.00	100	Horizontal	N/A
3	4838.500	50.43	74.0	23.57	Peak	205.00	200	Horizontal	Pass
3**	4838.500	40.82	54.0	13.18	AV	205.00	200	Horizontal	Pass
4	6893.750	54.55	74.0	19.45	Peak	185.00	100	Horizontal	Pass
4**	6893.750	45.86	54.0	8.14	AV	185.00	100	Horizontal	Pass
5	11781.000	53.97	74.0	20.03	Peak	269.00	300	Horizontal	Pass
5**	11781.000	43.28	54.0	10.72	AV	269.00	300	Horizontal	Pass
6	16970.474	55.66	74.0	18.34	Peak	120.00	100	Horizontal	Pass
6**	16970.474	46.46	54.0	7.54	AV	120.00	100	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	1324.800	41.83	74.0	32.17	Peak	186.00	300	Vertical	Pass
1**	1324.800	31.94	54.0	22.06	AV	186.00	300	Vertical	Pass
2	2457.500	106.39	74.0	-32.39	Peak	206.00	200	Vertical	N/A
2**	2457.500	99.69	54.0	-45.69	AV	206.00	200	Vertical	N/A
3	4904.750	50.03	74.0	23.97	Peak	120.00	200	Vertical	Pass
3**	4904.750	40.83	54.0	13.17	AV	120.00	200	Vertical	Pass
4	6891.750	54.04	74.0	19.96	Peak	182.00	100	Vertical	Pass
4**	6891.750	45.12	54.0	8.88	AV	182.00	100	Vertical	Pass
5	12996.225	53.71	74.0	20.29	Peak	262.00	400	Vertical	Pass
5**	12996.225	44.92	54.0	9.08	AV	262.00	400	Vertical	Pass
6	16850.512	56.03	74.0	17.97	Peak	74.00	200	Vertical	Pass
6**	16850.512	46.58	54.0	7.42	AV	74.00	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	1599.100	42.42	74.0	31.58	Peak	273.00	200	Horizontal	Pass
1**	1599.100	32.21	54.0	21.79	AV	273.00	200	Horizontal	Pass
2	2412.600	107.36	74.0	-33.36	Peak	235.00	150	Horizontal	N/A
2**	2412.600	100.49	54.0	-46.49	AV	235.00	150	Horizontal	N/A
3	4995.750	50.21	74.0	23.79	Peak	164.00	100	Horizontal	Pass
3**	4995.750	40.10	54.0	13.90	AV	164.00	100	Horizontal	Pass
4	6915.500	53.98	74.0	20.02	Peak	122.00	100	Horizontal	Pass
4**	6915.500	45.33	54.0	8.67	AV	122.00	100	Horizontal	Pass
5	12508.225	53.54	74.0	20.46	Peak	247.00	200	Horizontal	Pass
5**	12508.225	45.01	54.0	8.99	AV	247.00	200	Horizontal	Pass
6	16981.762	56.07	74.0	17.93	Peak	33.00	400	Horizontal	Pass
6**	16981.762	47.54	54.0	6.46	AV	33.00	400	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	1420.000	42.04	74.0	31.96	Peak	291.00	100	Vertical	Pass
1**	1420.000	32.14	54.0	21.86	AV	291.00	100	Vertical	Pass
2	2413.100	106.69	74.0	-32.69	Peak	356.00	150	Vertical	N/A
2**	2413.100	100.63	54.0	-46.63	AV	356.00	150	Vertical	N/A
3	4900.250	50.18	74.0	23.82	Peak	281.00	100	Vertical	Pass
3**	4900.250	40.79	54.0	13.21	AV	281.00	100	Vertical	Pass
4	6889.000	54.06	74.0	19.94	Peak	118.00	100	Vertical	Pass
4**	6889.000	45.15	54.0	8.85	AV	118.00	100	Vertical	Pass
5	12479.963	54.28	74.0	19.72	Peak	37.00	100	Vertical	Pass
5**	12479.963	44.98	54.0	9.02	AV	37.00	100	Vertical	Pass
6	17467.912	55.61	74.0	18.39	Peak	359.00	300	Vertical	Pass
6**	17467.912	46.20	54.0	7.80	AV	359.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1518.400	43.17	74.0	30.83	Peak	264.00	200	Horizontal	Pass
1**	1518.400	32.72	54.0	21.28	AV	264.00	200	Horizontal	Pass
2	2437.700	108.51	74.0	-34.51	Peak	218.00	150	Horizontal	N/A
2**	2437.700	100.71	54.0	-46.71	AV	218.00	150	Horizontal	N/A
3	4837.250	49.47	74.0	24.53	Peak	198.00	200	Horizontal	Pass
3**	4837.250	40.49	54.0	13.51	AV	198.00	200	Horizontal	Pass
4	6979.500	54.23	74.0	19.77	Peak	246.00	300	Horizontal	Pass
4**	6979.500	44.42	54.0	9.58	AV	246.00	300	Horizontal	Pass
5	12470.225	53.67	74.0	20.33	Peak	113.00	200	Horizontal	Pass
5**	12470.225	45.40	54.0	8.60	AV	113.00	200	Horizontal	Pass
6	16996.988	56.02	74.0	17.98	Peak	4.00	100	Horizontal	Pass
6**	16996.988	46.54	54.0	7.46	AV	4.00	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	1339.600	42.03	74.0	31.97	Peak	169.00	400	Vertical	Pass
1**	1339.600	31.99	54.0	22.01	AV	169.00	400	Vertical	Pass
2	2438.100	106.87	74.0	-32.87	Peak	206.00	100	Vertical	N/A
2**	2438.100	99.81	54.0	-45.81	AV	206.00	100	Vertical	N/A
3	4876.500	50.53	74.0	23.47	Peak	243.00	150	Vertical	Pass
3**	4876.500	40.94	54.0	13.06	AV	243.00	150	Vertical	Pass
4	6876.250	54.49	74.0	19.51	Peak	263.00	400	Vertical	Pass
4**	6876.250	44.27	54.0	9.73	AV	263.00	400	Vertical	Pass
5	12493.500	54.28	74.0	19.72	Peak	360.00	300	Vertical	Pass
5**	12493.500	45.51	54.0	8.49	AV	360.00	300	Vertical	Pass
6	16863.901	56.01	74.0	17.99	Peak	260.00	200	Vertical	Pass
6**	16863.901	46.56	54.0	7.44	AV	260.00	200	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	1447.400	42.79	74.0	31.21	Peak	56.00	200	Horizontal	Pass
1**	1447.400	32.69	54.0	21.31	AV	56.00	200	Horizontal	Pass
2	2462.900	107.14	74.0	-33.14	Peak	228.00	200	Horizontal	N/A
2**	2462.900	100.13	54.0	-46.13	AV	228.00	200	Horizontal	N/A
3	4814.500	50.28	74.0	23.72	Peak	57.00	150	Horizontal	Pass
3**	4814.500	40.62	54.0	13.38	AV	57.00	150	Horizontal	Pass
4	7427.250	54.20	74.0	19.80	Peak	36.00	200	Horizontal	Pass
4**	7427.250	43.77	54.0	10.23	AV	36.00	200	Horizontal	Pass
5	12455.026	54.38	74.0	19.62	Peak	106.00	100	Horizontal	Pass
5**	12455.026	44.16	54.0	9.84	AV	106.00	100	Horizontal	Pass
6	17436.938	55.52	74.0	18.48	Peak	282.00	300	Horizontal	Pass
6**	17436.938	46.41	54.0	7.59	AV	282.00	300	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	1498.100	41.98	74.0	32.02	Peak	152.00	400	Vertical	Pass
1**	1498.100	33.12	54.0	20.88	AV	152.00	400	Vertical	Pass
2	2456.800	106.04	74.0	-32.04	Peak	189.00	200	Vertical	N/A
2**	2456.800	97.92	54.0	-43.92	AV	189.00	200	Vertical	N/A
3	4907.000	49.92	74.0	24.08	Peak	139.00	100	Vertical	Pass
3**	4907.000	40.80	54.0	13.20	AV	139.00	100	Vertical	Pass
4	6904.500	54.07	74.0	19.93	Peak	200.00	100	Vertical	Pass
4**	6904.500	44.43	54.0	9.57	AV	200.00	100	Vertical	Pass
5	12473.312	54.12	74.0	19.88	Peak	145.00	400	Vertical	Pass
5**	12473.312	44.77	54.0	9.23	AV	145.00	400	Vertical	Pass
6	17022.975	56.65	74.0	17.35	Peak	76.00	100	Vertical	Pass
6**	17022.975	46.91	54.0	7.09	AV	76.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1584.700	41.86	74.0	32.14	Peak	206.00	200	Horizontal	Pass
1**	1584.700	33.13	54.0	20.87	AV	206.00	200	Horizontal	Pass
2	2412.800	107.36	74.0	-33.36	Peak	234.00	100	Horizontal	N/A
2**	2412.800	100.29	54.0	-46.29	AV	234.00	100	Horizontal	N/A
3	4807.000	49.94	74.0	24.06	Peak	79.00	150	Horizontal	Pass
3**	4807.000	40.88	54.0	13.12	AV	79.00	150	Horizontal	Pass
4	6893.750	54.11	74.0	19.89	Peak	140.00	300	Horizontal	Pass
4**	6893.750	46.56	54.0	7.44	AV	140.00	300	Horizontal	Pass
5	12495.162	54.16	74.0	19.84	Peak	121.00	300	Horizontal	Pass
5**	12495.162	44.88	54.0	9.12	AV	121.00	300	Horizontal	Pass
6	16975.199	55.89	74.0	18.11	Peak	104.00	300	Horizontal	Pass
6**	16975.199	45.89	54.0	8.11	AV	104.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V802.11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1521.500	41.99	74.0	32.01	Peak	109.00	300	Vertical	Pass
1**	1521.500	33.16	54.0	20.84	AV	109.00	300	Vertical	Pass
2	2412.900	107.58	74.0	-33.58	Peak	360.00	100	Vertical	N/A
2**	2412.900	100.60	54.0	-46.60	AV	360.00	100	Vertical	N/A
3	4817.750	49.95	74.0	24.05	Peak	360.00	100	Vertical	Pass
3**	4817.750	41.17	54.0	12.83	AV	360.00	100	Vertical	Pass
4	6909.500	53.58	74.0	20.42	Peak	360.00	300	Vertical	Pass
4**	6909.500	44.42	54.0	9.58	AV	360.00	300	Vertical	Pass
5	12978.900	53.65	74.0	20.35	Peak	11.00	300	Vertical	Pass
5**	12978.900	44.69	54.0	9.31	AV	11.00	300	Vertical	Pass
6	16984.125	55.70	74.0	18.30	Peak	55.00	400	Vertical	Pass
6**	16984.125	46.97	54.0	7.03	AV	55.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax20(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.300	42.03	74.0	31.97	Peak	68.00	400	Horizontal	Pass
1**	1439.300	32.12	54.0	21.88	AV	68.00	400	Horizontal	Pass
2	2438.500	108.44	74.0	-34.44	Peak	218.00	200	Horizontal	N/A
2**	2438.500	102.03	54.0	-48.03	AV	218.00	200	Horizontal	N/A
3	4814.000	50.44	74.0	23.56	Peak	0.00	150	Horizontal	Pass
3**	4814.000	41.33	54.0	12.67	AV	0.00	150	Horizontal	Pass
4	6901.250	53.87	74.0	20.13	Peak	328.00	200	Horizontal	Pass
4**	6901.250	45.47	54.0	8.53	AV	328.00	200	Horizontal	Pass
5	12467.849	54.18	74.0	19.82	Peak	26.00	300	Horizontal	Pass
5**	12467.849	44.65	54.0	9.35	AV	26.00	300	Horizontal	Pass
6	17001.713	55.67	74.0	18.33	Peak	33.00	200	Horizontal	Pass
6**	17001.713	46.28	54.0	7.72	AV	33.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax20(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1196.900	42.00	74.0	32.00	Peak	113.00	100	Vertical	Pass
1**	1196.900	31.71	54.0	22.29	AV	113.00	100	Vertical	Pass
2	2438.300	107.32	74.0	-33.32	Peak	354.00	150	Vertical	N/A
2**	2438.300	99.92	54.0	-45.92	AV	354.00	150	Vertical	N/A
3	4888.250	50.24	74.0	23.76	Peak	353.00	100	Vertical	Pass
3**	4888.250	41.14	54.0	12.86	AV	353.00	100	Vertical	Pass
4	6895.250	54.69	74.0	19.31	Peak	161.00	100	Vertical	Pass
4**	6895.250	45.13	54.0	8.87	AV	161.00	100	Vertical	Pass
5	12512.026	54.17	74.0	19.83	Peak	153.00	100	Vertical	Pass
5**	12512.026	44.79	54.0	9.21	AV	153.00	100	Vertical	Pass
6	16845.787	56.01	74.0	17.99	Peak	99.00	200	Vertical	Pass
6**	16845.787	45.78	54.0	8.22	AV	99.00	200	Vertical	Pass

1 GHz to 18 GHz, ANT H802.11ax20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1578.000	42.18	74.0	31.82	Peak	61.00	100	Horizontal	Pass
1**	1578.000	32.71	54.0	21.29	AV	61.00	100	Horizontal	Pass
2	2462.900	106.89	74.0	-32.89	Peak	228.00	150	Horizontal	N/A
2**	2462.900	99.88	54.0	-45.88	AV	228.00	150	Horizontal	N/A
3	4817.500	49.93	74.0	24.07	Peak	360.00	200	Horizontal	Pass
3**	4817.500	41.18	54.0	12.82	AV	360.00	200	Horizontal	Pass
4	6908.250	54.26	74.0	19.74	Peak	226.00	300	Horizontal	Pass
4**	6908.250	44.55	54.0	9.45	AV	226.00	300	Horizontal	Pass
5	12963.151	53.64	74.0	20.36	Peak	103.00	300	Horizontal	Pass
5**	12963.151	44.27	54.0	9.73	AV	103.00	300	Horizontal	Pass
6	17007.225	56.47	74.0	17.53	Peak	50.00	300	Horizontal	Pass
6**	17007.225	46.65	54.0	7.35	AV	50.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1572.000	42.41	74.0	31.59	Peak	318.00	400	Vertical	Pass
1**	1572.000	32.40	54.0	21.60	AV	318.00	400	Vertical	Pass
2	2457.500	106.31	74.0	-32.31	Peak	206.00	200	Vertical	N/A
2**	2457.500	99.07	54.0	-45.07	AV	206.00	200	Vertical	N/A
3	4818.750	50.64	74.0	23.36	Peak	314.00	200	Vertical	Pass
3**	4818.750	41.16	54.0	12.84	AV	314.00	200	Vertical	Pass
4	7965.250	53.94	74.0	20.06	Peak	125.00	300	Vertical	Pass
4**	7965.250	44.36	54.0	9.64	AV	125.00	300	Vertical	Pass
5	12763.650	53.95	74.0	20.05	Peak	354.00	400	Vertical	Pass
5**	12763.650	43.98	54.0	10.02	AV	354.00	400	Vertical	Pass
6	17404.649	56.38	74.0	17.62	Peak	354.00	100	Vertical	Pass
6**	17404.649	45.56	54.0	8.44	AV	354.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11be20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1429.800	41.92	74.0	32.08	Peak	234.00	100	Horizontal	Pass
1**	1429.800	32.54	54.0	21.46	AV	234.00	100	Horizontal	Pass
2	2413.100	108.05	74.0	-34.05	Peak	234.00	150	Horizontal	N/A
2**	2413.100	100.37	54.0	-46.37	AV	234.00	150	Horizontal	N/A
3	4760.000	49.97	74.0	24.03	Peak	98.00	100	Horizontal	Pass
3**	4760.000	40.44	54.0	13.56	AV	98.00	100	Horizontal	Pass
4	7644.750	54.07	74.0	19.93	Peak	159.00	400	Horizontal	Pass
4**	7644.750	43.48	54.0	10.52	AV	159.00	400	Horizontal	Pass
5	12983.888	54.17	74.0	19.83	Peak	11.00	200	Horizontal	Pass
5**	12983.888	44.91	54.0	9.09	AV	11.00	200	Horizontal	Pass
6	17026.387	56.00	74.0	18.00	Peak	162.00	200	Horizontal	Pass
6**	17026.387	46.89	54.0	7.11	AV	162.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11be20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.300	42.62	74.0	31.38	Peak	50.00	300	Vertical	Pass
1**	1512.300	33.36	54.0	20.64	AV	50.00	300	Vertical	Pass
2	2406.900	107.27	74.0	-33.27	Peak	199.00	200	Vertical	N/A
2**	2406.900	99.50	54.0	-45.50	AV	199.00	200	Vertical	N/A
3	4825.750	50.53	74.0	23.47	Peak	344.00	100	Vertical	Pass
3**	4825.750	40.55	54.0	13.45	AV	344.00	100	Vertical	Pass
4	6912.500	53.96	74.0	20.04	Peak	324.00	300	Vertical	Pass
4**	6912.500	45.14	54.0	8.86	AV	324.00	300	Vertical	Pass
5	12474.263	53.69	74.0	20.31	Peak	0.00	300	Vertical	Pass
5**	12474.263	45.12	54.0	8.88	AV	0.00	300	Vertical	Pass
6	17439.824	55.76	74.0	18.24	Peak	297.00	300	Vertical	Pass
6**	17439.824	46.40	54.0	7.60	AV	297.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11 be20(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.100	42.17	74.0	31.83	Peak	0.00	100	Horizontal	Pass
1**	1527.100	32.98	54.0	21.02	AV	0.00	100	Horizontal	Pass
2	2438.300	108.55	74.0	-34.55	Peak	235.00	100	Horizontal	N/A
2**	2438.300	101.40	54.0	-47.40	AV	235.00	100	Horizontal	N/A
3	4822.500	50.08	74.0	23.92	Peak	16.00	200	Horizontal	Pass
3**	4822.500	41.45	54.0	12.55	AV	16.00	200	Horizontal	Pass
4	6891.750	54.00	74.0	20.00	Peak	287.00	300	Horizontal	Pass
4**	6891.750	46.05	54.0	7.95	AV	287.00	300	Horizontal	Pass
5	12998.587	53.98	74.0	20.02	Peak	285.00	100	Horizontal	Pass
5**	12998.587	44.43	54.0	9.57	AV	285.00	100	Horizontal	Pass
6	17003.813	55.66	74.0	18.34	Peak	301.00	300	Horizontal	Pass
6**	17003.813	46.98	54.0	7.02	AV	301.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11be20(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1298.900	41.74	74.0	32.26	Peak	216.00	200	Vertical	Pass
1**	1298.900	32.96	54.0	21.04	AV	216.00	200	Vertical	Pass
2	2432.900	106.81	74.0	-32.81	Peak	360.00	150	Vertical	N/A
2**	2432.900	100.27	54.0	-46.27	AV	360.00	150	Vertical	N/A
3	4917.250	49.77	74.0	24.23	Peak	328.00	200	Vertical	Pass
3**	4917.250	40.35	54.0	13.65	AV	328.00	200	Vertical	Pass
4	6899.500	54.11	74.0	19.89	Peak	98.00	100	Vertical	Pass
4**	6899.500	44.47	54.0	9.53	AV	98.00	100	Vertical	Pass
5	12462.625	54.29	74.0	19.71	Peak	215.00	200	Vertical	Pass
5**	12462.625	44.15	54.0	9.85	AV	215.00	200	Vertical	Pass
6	17449.538	55.71	74.0	18.29	Peak	60.00	300	Vertical	Pass
6**	17449.538	46.39	54.0	7.61	AV	60.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11be20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1316.000	42.18	74.0	31.82	Peak	160.00	300	Horizontal	Pass
1**	1316.000	32.90	54.0	21.10	AV	160.00	300	Horizontal	Pass
2	2462.900	106.87	74.0	-32.87	Peak	224.00	100	Horizontal	N/A
2**	2462.900	99.90	54.0	-45.90	AV	224.00	100	Horizontal	N/A
3	4900.750	50.30	74.0	23.70	Peak	354.00	150	Horizontal	Pass
3**	4900.750	40.66	54.0	13.34	AV	354.00	150	Horizontal	Pass
4	6896.500	54.05	74.0	19.95	Peak	187.00	400	Horizontal	Pass
4**	6896.500	44.84	54.0	9.16	AV	187.00	400	Horizontal	Pass
5	12428.662	53.86	74.0	20.14	Peak	194.00	200	Horizontal	Pass
5**	12428.662	43.58	54.0	10.42	AV	194.00	200	Horizontal	Pass
6	17433.262	56.12	74.0	17.88	Peak	296.00	400	Horizontal	Pass
6**	17433.262	45.48	54.0	8.52	AV	296.00	400	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11be20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1561.800	42.08	74.0	31.92	Peak	301.00	400	Vertical	Pass
1**	1561.800	32.23	54.0	21.77	AV	301.00	400	Vertical	Pass
2	2463.200	106.17	74.0	-32.17	Peak	5.00	200	Vertical	N/A
2**	2463.200	98.95	54.0	-44.95	AV	5.00	200	Vertical	N/A
3	4921.250	50.41	74.0	23.59	Peak	284.00	150	Vertical	Pass
3**	4921.250	40.73	54.0	13.27	AV	284.00	150	Vertical	Pass
4	7346.500	54.01	74.0	19.99	Peak	161.00	300	Vertical	Pass
4**	7346.500	43.66	54.0	10.34	AV	161.00	300	Vertical	Pass
5	12510.125	53.97	74.0	20.03	Peak	138.00	400	Vertical	Pass
5**	12510.125	44.76	54.0	9.24	AV	138.00	400	Vertical	Pass
6	17400.713	55.53	74.0	18.47	Peak	269.00	400	Vertical	Pass
6**	17400.713	46.34	54.0	7.66	AV	269.00	400	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.

Note ⁵: All antenna were pre tested, but only the worst case has been reported in this report.

Test Data and Plots

Chain0

802.11b LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2331.750	55.63	74.0	18.37	Peak	360.00	150	Vertical	Pass
1**	2331.750	43.84	54.0	10.16	AV	360.00	150	Vertical	Pass
2	2389.950	53.45	74.0	20.55	Peak	4.00	100	Vertical	Pass
2**	2389.950	43.39	54.0	10.61	AV	4.00	100	Vertical	Pass

802.11b HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.515	53.88	74.0	20.12	Peak	358.00	100	Vertical	Pass
1**	2483.515	44.22	54.0	9.78	AV	358.00	100	Vertical	Pass
2	2489.425	55.57	74.0	18.43	Peak	358.00	100	Vertical	Pass
2**	2489.425	43.94	54.0	10.06	AV	358.00	100	Vertical	Pass

MIMO**802.11g LOW CHANNEL**

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.750	56.16	74.0	17.84	Peak	235.00	100	Horizontal	Pass
1**	2389.750	45.63	54.0	8.37	AV	235.00	100	Horizontal	Pass
2	2389.950	56.33	74.0	17.67	Peak	238.00	100	Horizontal	Pass
2**	2389.950	45.38	54.0	8.62	AV	238.00	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	2483.545	59.36	74.0	14.64	Peak	286.00	200	Horizontal	Pass
1**	2483.545	46.22	54.0	7.78	AV	286.00	200	Horizontal	Pass
2	2484.280	59.53	74.0	14.47	Peak	220.00	200	Horizontal	Pass
2**	2484.280	45.70	54.0	8.30	AV	220.00	200	Horizontal	Pass

802.11n20 LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.200	56.70	74.0	17.30	Peak	230.00	200	Horizontal	Pass
1**	2389.200	45.77	54.0	8.23	AV	230.00	200	Horizontal	Pass
2	2389.950	56.60	74.0	17.40	Peak	202.00	100	Horizontal	Pass
2**	2389.950	45.49	54.0	8.51	AV	202.00	100	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	2483.560	60.30	74.0	13.70	Peak	257.00	200	Horizontal	Pass
1**	2483.560	47.25	54.0	6.75	AV	257.00	200	Horizontal	Pass
2	2484.490	61.71	74.0	12.29	Peak	250.00	200	Horizontal	Pass
2**	2484.490	46.44	54.0	7.56	AV	250.00	200	Horizontal	Pass

802.11ax20(SU) LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.250	58.37	74.0	15.63	Peak	188.00	100	Horizontal	Pass
1**	2389.250	46.29	54.0	7.71	AV	188.00	100	Horizontal	Pass
2	2389.950	58.42	74.0	15.58	Peak	230.00	200	Horizontal	Pass
2**	2389.950	46.02	54.0	7.98	AV	230.00	200	Horizontal	Pass

802.11ax20(SU) HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.590	62.09	74.0	11.91	Peak	242.00	200	Horizontal	Pass
1**	2483.590	48.74	54.0	5.26	AV	242.00	200	Horizontal	Pass
2	2487.160	62.23	74.0	11.77	Peak	254.00	200	Horizontal	Pass
2**	2487.160	46.93	54.0	7.07	AV	254.00	200	Horizontal	Pass

802.11be20(SU) LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.250	57.63	74.0	16.37	Peak	238.00	100	Horizontal	Pass
1**	2389.250	46.49	54.0	7.51	AV	238.00	100	Horizontal	Pass
2	2389.950	56.13	74.0	17.87	Peak	241.00	150	Horizontal	Pass
2**	2389.950	46.51	54.0	7.49	AV	241.00	150	Horizontal	Pass

802.11be20(SU) HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.575	61.12	74.0	12.88	Peak	240.00	150	Horizontal	Pass
1**	2483.575	48.46	54.0	5.54	AV	240.00	150	Horizontal	Pass
2	2484.040	63.33	74.0	10.67	Peak	242.00	150	Horizontal	Pass
2**	2484.040	49.28	54.0	4.72	AV	242.00	150	Horizontal	Pass

802.11ax20(RU26) LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.250	60.73	74.0	13.27	Peak	230.00	100	Horizontal	Pass
1**	2389.250	43.48	54.0	10.52	AV	230.00	100	Horizontal	Pass
2	2389.950	59.05	74.0	14.95	Peak	247.00	150	Horizontal	Pass
2**	2389.950	43.76	54.0	10.24	AV	247.00	150	Horizontal	Pass

802.11ax20(RU26) HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.560	62.38	74.0	11.62	Peak	222.00	100	Horizontal	Pass
1**	2483.560	44.51	54.0	9.49	AV	222.00	100	Horizontal	Pass
2	2483.725	64.80	74.0	9.20	Peak	230.00	150	Horizontal	Pass
2**	2483.725	44.92	54.0	9.08	AV	230.00	150	Horizontal	Pass

802.11be20(RU26) LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.700	64.40	74.0	9.60	Peak	225.00	150	Horizontal	Pass
1**	2389.700	43.87	54.0	10.13	AV	225.00	150	Horizontal	Pass
2	2389.950	59.37	74.0	14.63	Peak	249.00	200	Horizontal	Pass
2**	2389.950	44.07	54.0	9.93	AV	249.00	200	Horizontal	Pass

802.11be20(RU26) HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	63.92	74.0	10.08	Peak	239.00	150	Horizontal	Pass
1**	2483.500	45.48	54.0	8.52	AV	239.00	150	Horizontal	Pass
2	2485.630	65.41	74.0	8.59	Peak	217.00	200	Horizontal	Pass
2**	2485.630	45.52	54.0	8.48	AV	217.00	200	Horizontal	Pass
3	2483.860	62.76	74.0	11.24	Peak	237.00	150	Horizontal	Pass
3**	2483.860	47.20	54.0	6.80	AV	237.00	150	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Note ¹: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note ²: All antenna were pre tested, but only the worst case has been reported in this report.

Chain0

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-5.57	8
Middle	-4.91	8
High	-4.03	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.76	8
Middle	-7.41	8
High	-8.01	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.93	8
Middle	-7.91	8
High	-8.23	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.58	8
Middle	-8.37	8
High	-8.93	8

802.11be-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.39	8
Middle	-8.91	8
High	-7.61	8

802.11ax-20 MHz(RU26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-4.06	8
Middle	-0.72	8
High	-3.11	8

802.11ax-20 MHz(RU52) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.14	8
Middle	-4.45	8
High	-4.45	8

802.11ax-20 MHz(RU106) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.46	8
Middle	-7.32	8
High	-7.35	8

802.11be-20 MHz(RU26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-3.11	8
Middle	0.59	8
High	-1.28	8

802.11be-20 MHz(RU52) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.42	8
Middle	-3.12	8
High	-3.39	8

802.11be-20 MHz(RU106) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-5.68	8
Middle	-6.27	8
High	-5.50	8

802.11be-20 MHz(RU52+26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-5.02	8
Middle	-4.98	8
High	-3.46	8

802.11be-20 MHz(RU106+26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.16	8
Middle	-6.08	8
High	-5.70	8

Chain1Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-5.61	8
Middle	-5.65	8
High	-4.40	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.96	8
Middle	-8.05	8
High	-5.71	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.41	8
Middle	-7.70	8
High	-7.24	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.44	8
Middle	-8.46	8
High	-8.01	8

802.11be-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-8.03	8
Middle	-8.57	8
High	-7.56	8

802.11ax-20 MHz(RU26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-2.85	8
Middle	1.02	8
High	-2.67	8

802.11ax-20 MHz(RU52) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-4.04	8
Middle	-2.40	8
High	-3.91	8

802.11ax-20 MHz(RU106) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.93	8
Middle	-4.65	8
High	-7.23	8

802.11be-20 MHz(RU26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-1.61	8
Middle	1.36	8
High	1.37	8

802.11be-20 MHz(RU52) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-4.63	8
Middle	-1.39	8
High	-3.41	8

802.11be-20 MHz(RU106) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-6.63	8
Middle	-4.97	8
High	-4.44	8

802.11be-20 MHz(RU52+26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-5.42	8
Middle	-3.16	8
High	-5.44	8

802.11be-20 MHz(RU106+26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-7.33	8
Middle	-4.11	8
High	-6.57	8

MIMOTest Data

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-4.84	8
Middle	-4.71	8
High	-3.70	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-5.16	8
Middle	-4.79	8
High	-4.70	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-4.98	8
Middle	-5.40	8
High	-5.43	8

802.11be-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-4.69	8
Middle	-5.72	8
High	-4.58	8

802.11ax-20 MHz(RU26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-0.40	8
Middle	3.25	8
High	0.13	8

802.11ax-20 MHz(RU52) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-1.95	8
Middle	-0.29	8
High	-1.16	8

802.11ax-20 MHz(RU106) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-4.68	8
Middle	-2.77	8
High	-4.28	8

802.11be-20 MHz(RU26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	0.71	8
Middle	4.00	8
High	3.25	8

802.11be-20 MHz(RU52) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-2.42	8
Middle	0.84	8
High	-0.39	8

802.11be-20 MHz(RU106) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-3.12	8
Middle	-2.56	8
High	-1.93	8

802.11be-20 MHz(RU52+26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-2.21	8
Middle	-0.97	8
High	-1.33	8

802.11be-20 MHz(RU106+26) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-3.70	8
Middle	-1.97	8
High	-3.10	8

Chain0

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



802.11ax-20 MHz(SU) LOW CHANNEL



802.11ax-20 MHz(SU) MIDDLE CHANNEL



802.11ax-20 MHz(SU) HIGH CHANNEL



802.11be 20 MHz(SU) LOW CHANNEL



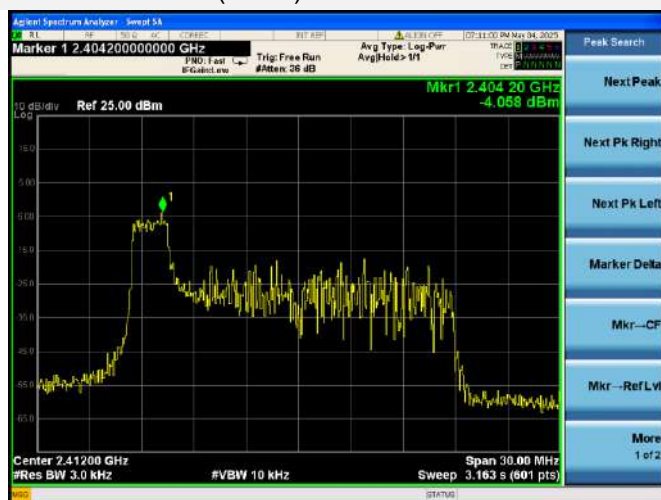
802.11be 20 MHz(SU) MIDDLE CHANNEL



802.11be 20 MHz(SU) HIGH CHANNEL



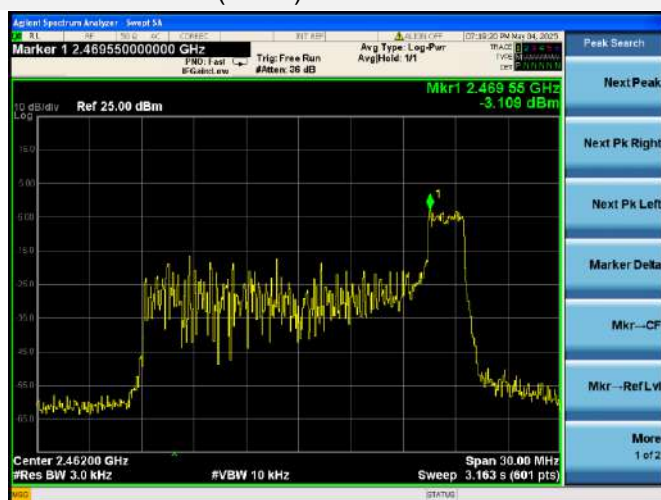
802.11ax-20 MHz(RU26) LOW CHANNEL



802.11ax-20 MHz(RU26) MIDDLE CHANNEL



802.11ax-20 MHz(RU26) HIGH CHANNEL



802.11ax-20 MHz(RU52) LOW CHANNEL



802.11ax-20 MHz(RU52) MIDDLE CHANNEL



802.11ax-20 MHz(RU52) HIGH CHANNEL



802.11ax-20 MHz(RU106) LOW CHANNEL



802.11ax-20 MHz(RU106) MIDDLE CHANNEL



802.11ax-20 MHz(RU106) HIGH CHANNEL



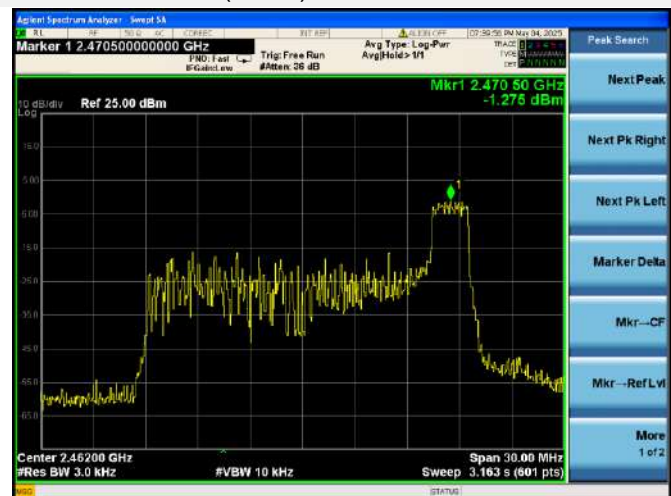
802.11be-20 MHz(RU26) LOW CHANNEL



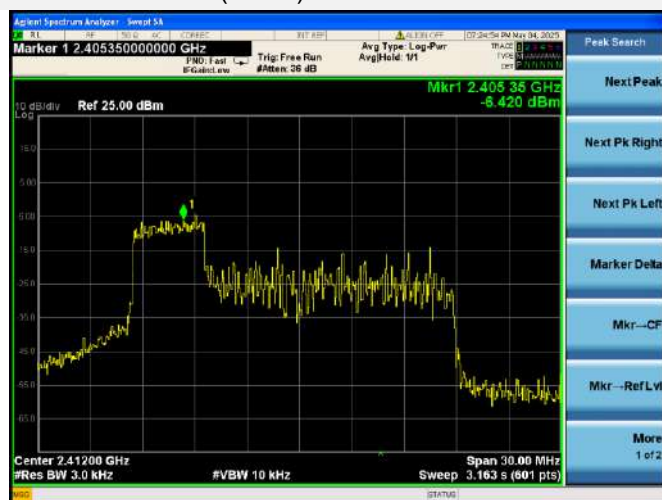
802.11be-20 MHz(RU26) MIDDLE CHANNEL



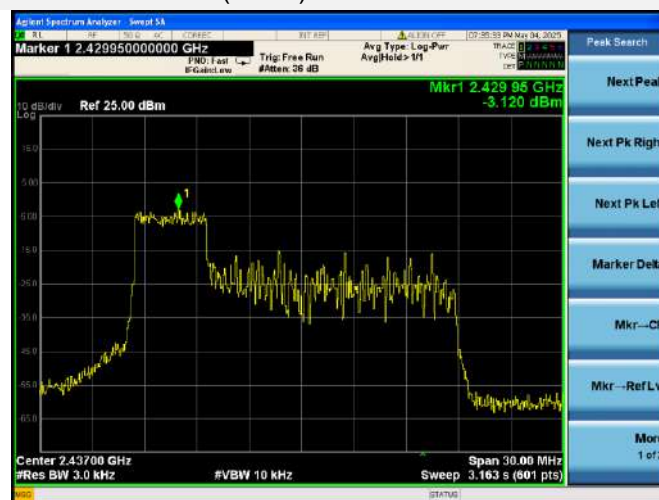
802.11be-20 MHz(RU26) HIGH CHANNEL



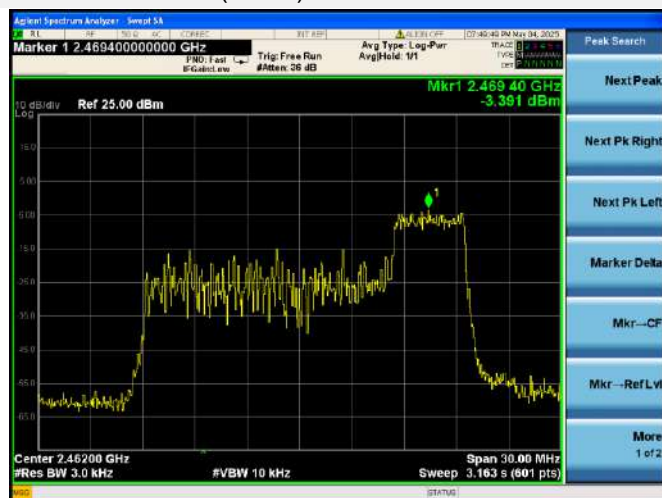
802.11be-20 MHz(RU52) LOW CHANNEL



802.11be-20 MHz(RU52) MIDDLE CHANNEL



802.11be-20 MHz(RU52) HIGH CHANNEL



802.11be-20 MHz(RU106) LOW CHANNEL



802.11be-20 MHz(RU106) MIDDLE CHANNEL



802.11be-20 MHz(RU106) HIGH CHANNEL



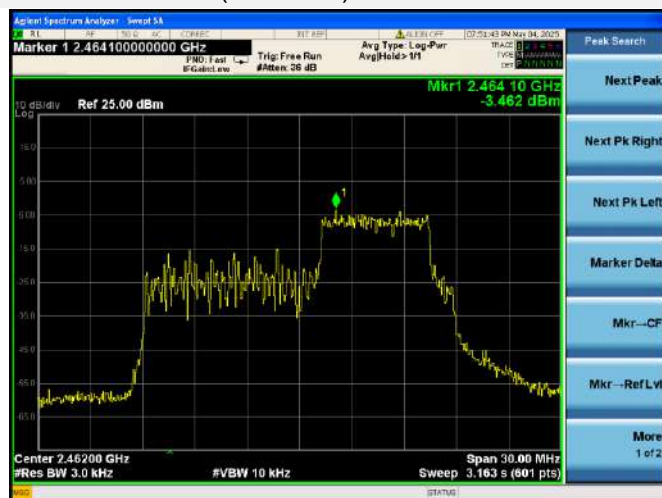
802.11be-20 MHz(RU52+26) LOW CHANNEL



802.11be-20 MHz(RU52+26) MIDDLE CHANNEL



802.11be-20 MHz(RU52+26) HIGH CHANNEL



802.11be-20 MHz(RU106+26) LOW CHANNEL



802.11be-20 MHz(RU106+26) MIDDLE CHANNEL



802.11be-20 MHz(RU106+26) HIGH CHANNEL



Chain1

Test Plots

802.11b LOW CHANNEL



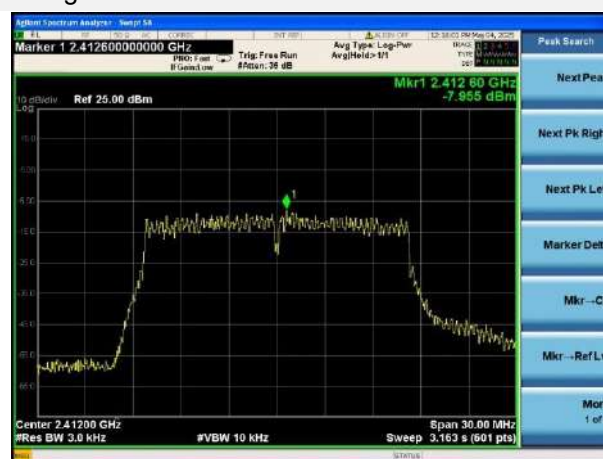
802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



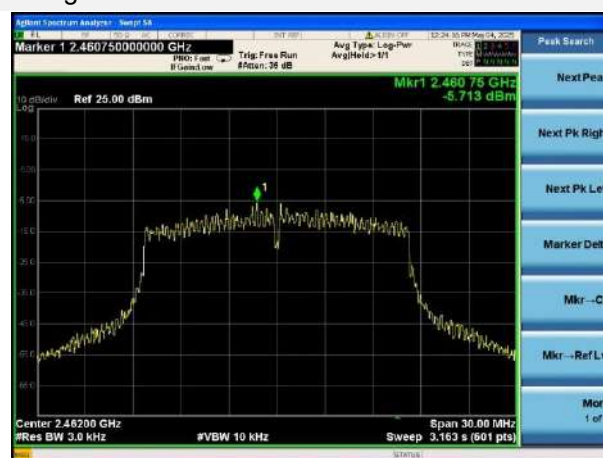
802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL



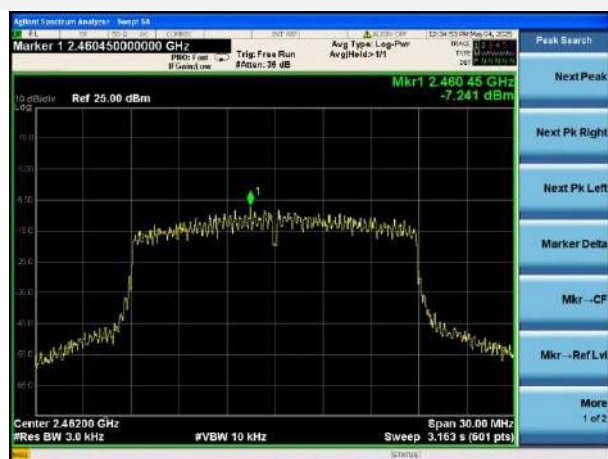
802.11n-20 MHz LOW CHANNEL



802.11n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



802.11ax-20 MHz(SU) LOW CHANNEL



802.11ax-20 MHz(SU) MIDDLE CHANNEL



802.11ax-20 MHz(SU) HIGH CHANNEL



802.11be 20 MHz(SU) LOW CHANNEL



802.11be 20 MHz(SU) MIDDLE CHANNEL



802.11be 20 MHz(SU) HIGH CHANNEL



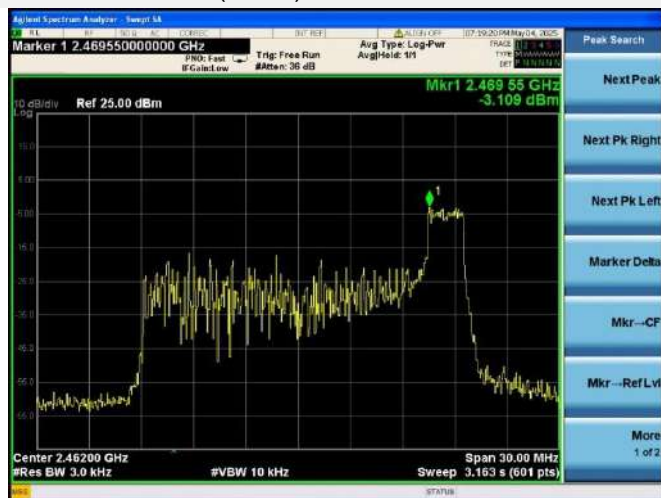
802.11ax-20 MHz(RU26) LOW CHANNEL



802.11ax-20 MHz(RU26) MIDDLE CHANNEL



802.11ax-20 MHz(RU26) HIGH CHANNEL



802.11ax-20 MHz(RU52) LOW CHANNEL



802.11ax-20 MHz(RU52) MIDDLE CHANNEL



802.11ax-20 MHz(RU52) HIGH CHANNEL



802.11ax-20MHz(RU106) LOW CHANNEL



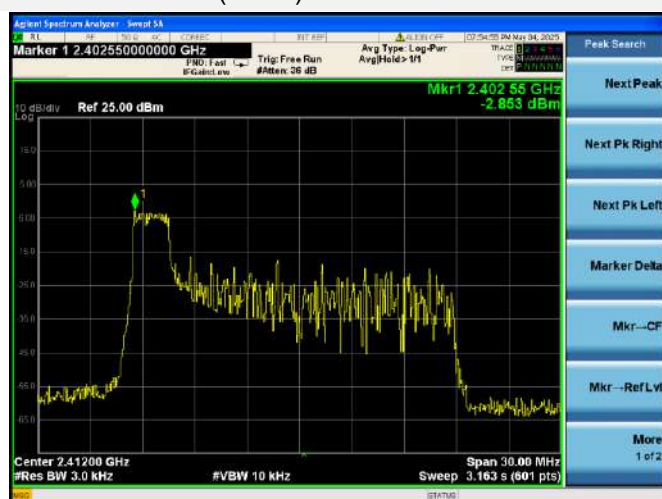
802.11ax-20 MHz(RU52) MIDDLE CHANNEL



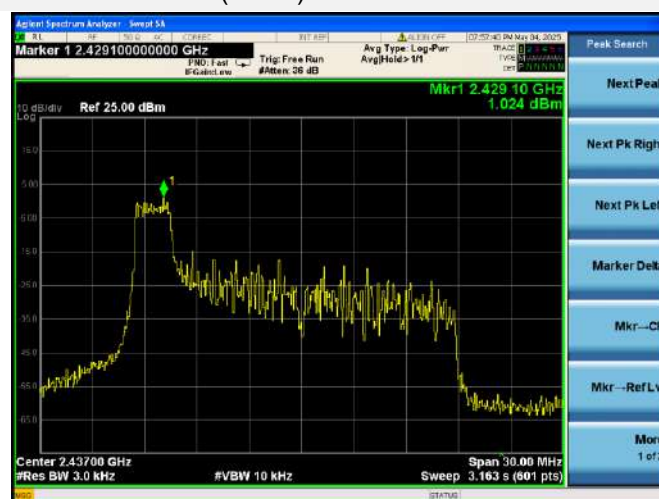
802.11ax-20MHz(RU106) HIGH CHANNEL



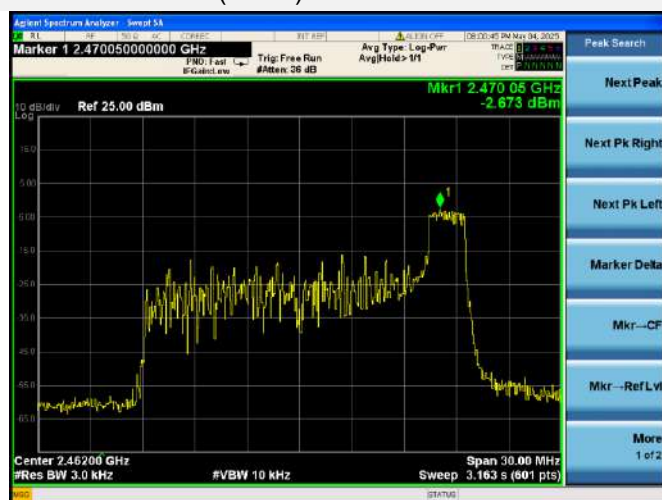
802.11ax-20 MHz(RU26) LOW CHANNEL



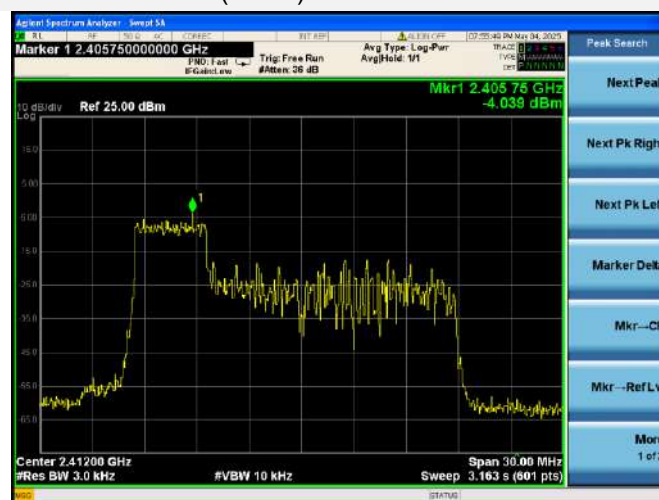
802.11ax-20 MHz(RU26) MIDDLE CHANNEL



802.11ax-20 MHz(RU26) HIGH CHANNEL



802.11ax-20 MHz(RU52) LOW CHANNEL



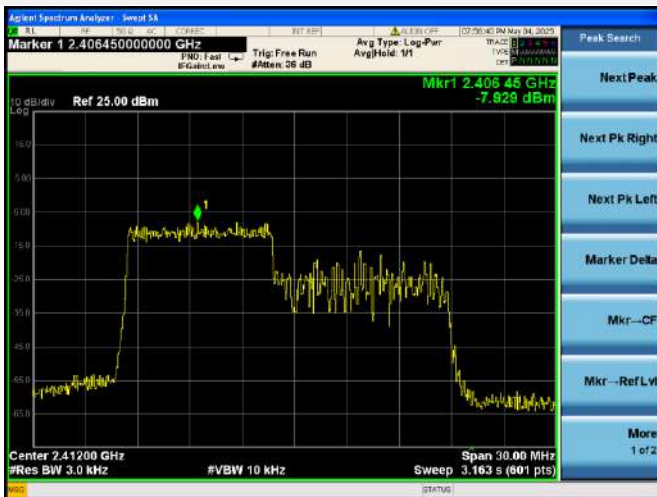
802.11ax-20 MHz(RU52) MIDDLE CHANNEL



802.11ax-20 MHz(RU52) HIGH CHANNEL



802.11ax-20 MHz(RU106) LOW CHANNEL



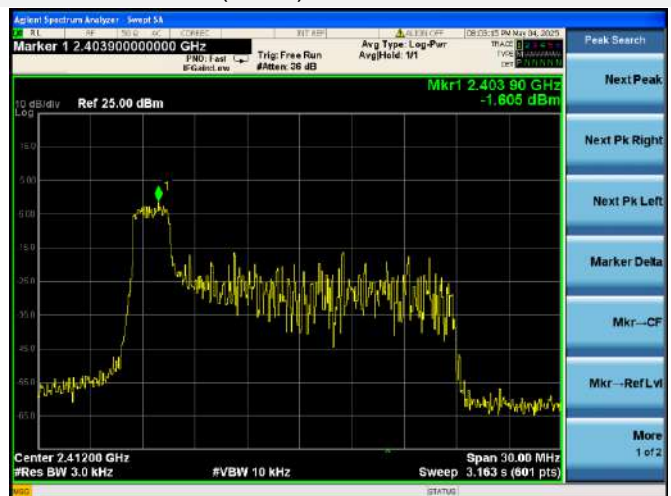
802.11ax-20 MHz(RU106) MIDDLE CHANNEL



802.11ax-20 MHz(RU106) HIGH CHANNEL



802.11be-20 MHz(RU26) LOW CHANNEL



802.11be-20 MHz(RU26) MIDDLE CHANNEL



802.11be-20 MHz(RU26) HIGH CHANNEL



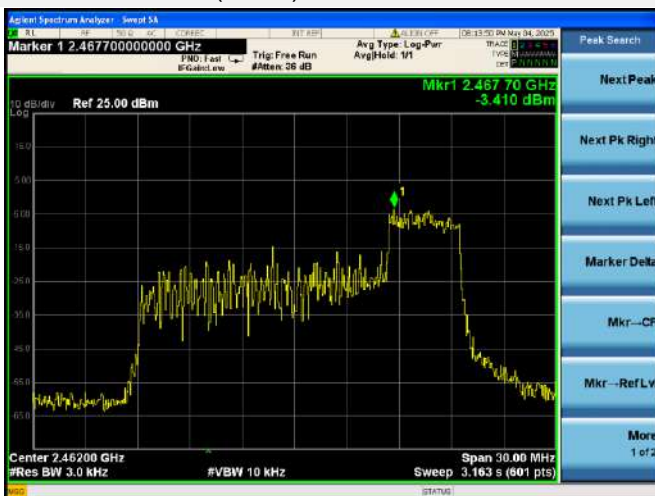
802.11be-20 MHz(RU52) LOW CHANNEL



802.11be-20 MHz(RU52) MIDDLE CHANNEL



802.11be-20 MHz(RU52) HIGH CHANNEL



802.11be-20 MHz(RU106) LOW CHANNEL



802.11be-20 MHz(RU106) MIDDLE CHANNEL



802.11be-20 MHz(RU106) HIGH CHANNEL



802.11be-20 MHz(RU52+26) LOW CHANNEL



802.11be-20 MHz(RU52+26) MIDDLE CHANNEL



802.11be-20 MHz(RU52+26) HIGH CHANNEL



802.11be-20 MHz(RU106+26) LOW CHANNEL



802.11be-20 MHz(RU106+26) MIDDLE CHANNEL



802.11be-20 MHz(RU106+26) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2541436-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2541436-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2541436-AI.PDF”.

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--END OF REPORT--