

Appendix D.1: Test Results of Conducted Output Power

Conducted output power

Mode	Channel	Ant. 0 (dBm)	Ant. 1 (dBm)	Ant. MIMO (dBm)	Ant. MIMO (W)	Limit (dBm)	Result
IEEE 802.11a	149	0.26	3.15	4.951	0.0031	≤30	PASS
	157	5.6	3.93	7.855	0.0061	≤30	PASS
	165	6.15	4.83	8.550	0.0072	≤30	PASS
IEEE 802.11n_20	149	4.27	3.21	6.783	0.0048	≤30	PASS
	157	5.63	3.97	7.889	0.0062	≤30	PASS
	165	6.11	4.94	8.575	0.0072	≤30	PASS
IEEE 802.11n_40	151	4.25	3.28	6.802	0.0048	≤30	PASS
	159	5.5	4.23	7.922	0.0062	≤30	PASS
IEEE 802.11ac_20	149	8.19	6.68	10.511	0.0112	≤30	PASS
	157	9.5	7.5	11.624	0.0145	≤30	PASS
	165	10.16	8.45	12.399	0.0174	≤30	PASS
IEEE 802.11ac_40	151	3.79	3.6	6.706	0.0047	≤30	PASS
	159	5.24	4.51	7.901	0.0119	≤30	PASS
IEEE 802.11ac_80	155	9.5	8.37	11.982	0.0119	≤30	PASS

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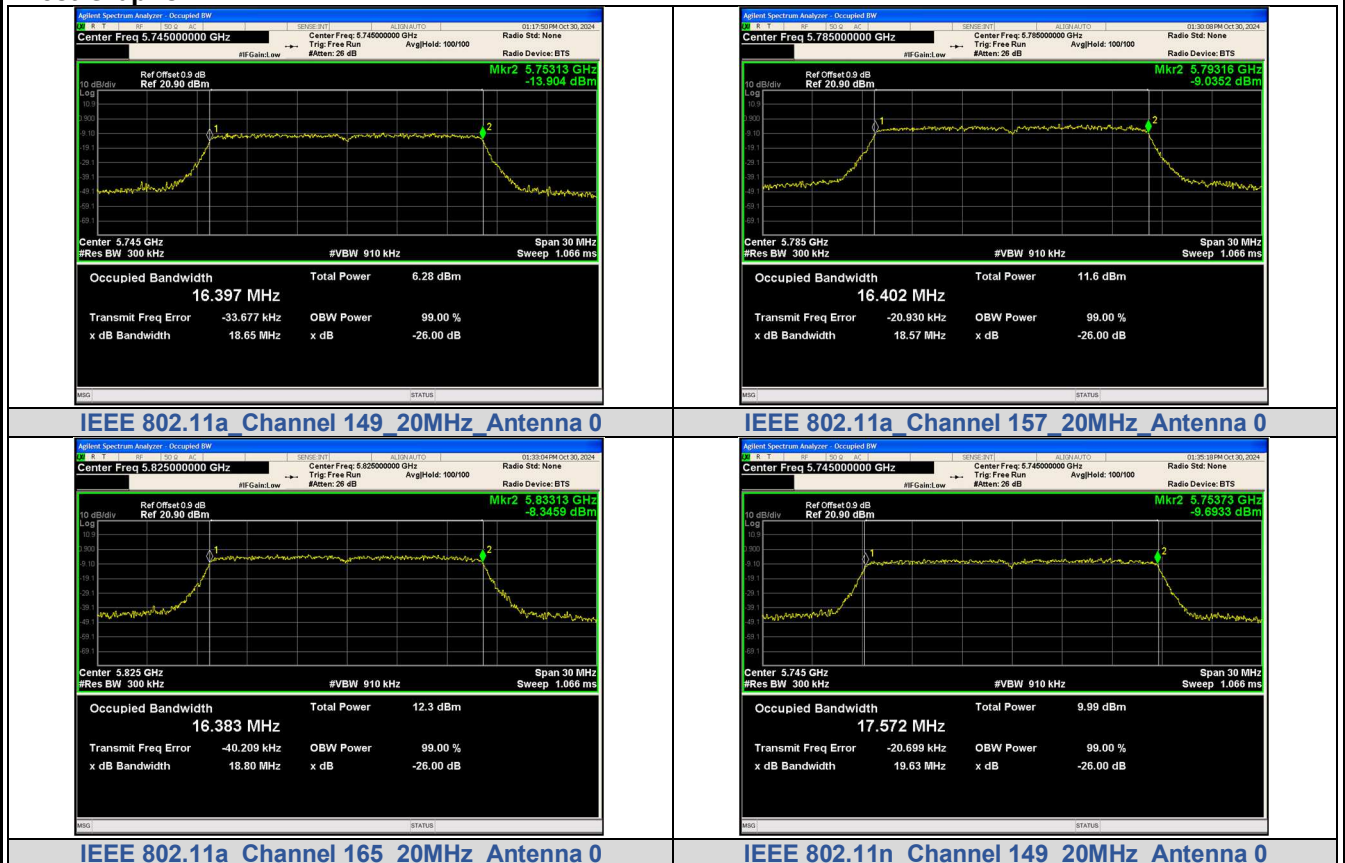
Mode	Channel	Ant. 0 (dBm)	Ant. 1 (dBm)	Ant. MIMO (dBm)	Ant. MIMO (W)	Limit (dBm)	Result
IEEE 802.11a	149	4.42	7.31	9.111	0.0081	≤36.02	PASS
	157	9.76	8.09	12.015	0.0159	≤36.02	PASS
	165	10.31	8.99	12.710	0.0187	≤36.02	PASS
IEEE 802.11n_20	149	8.43	7.37	10.943	0.0124	≤36.02	PASS
	157	9.79	8.13	12.049	0.0160	≤36.02	PASS
	165	10.27	9.1	12.735	0.0188	≤36.02	PASS
IEEE 802.11n_40	151	8.41	7.44	10.962	0.0125	≤36.02	PASS
	159	9.66	8.39	12.082	0.0162	≤36.02	PASS
IEEE 802.11ac_20	149	12.35	10.84	14.671	0.0293	≤36.02	PASS
	157	13.66	11.66	15.784	0.0379	≤36.02	PASS
	165	14.32	12.61	16.559	0.0453	≤36.02	PASS
IEEE 802.11ac_40	151	7.95	7.76	10.866	0.0122	≤36.02	PASS
	159	9.4	8.67	12.061	0.0119	≤36.02	PASS
IEEE 802.11ac_80	155	13.66	12.53	16.142	0.0119	≤36.02	PASS

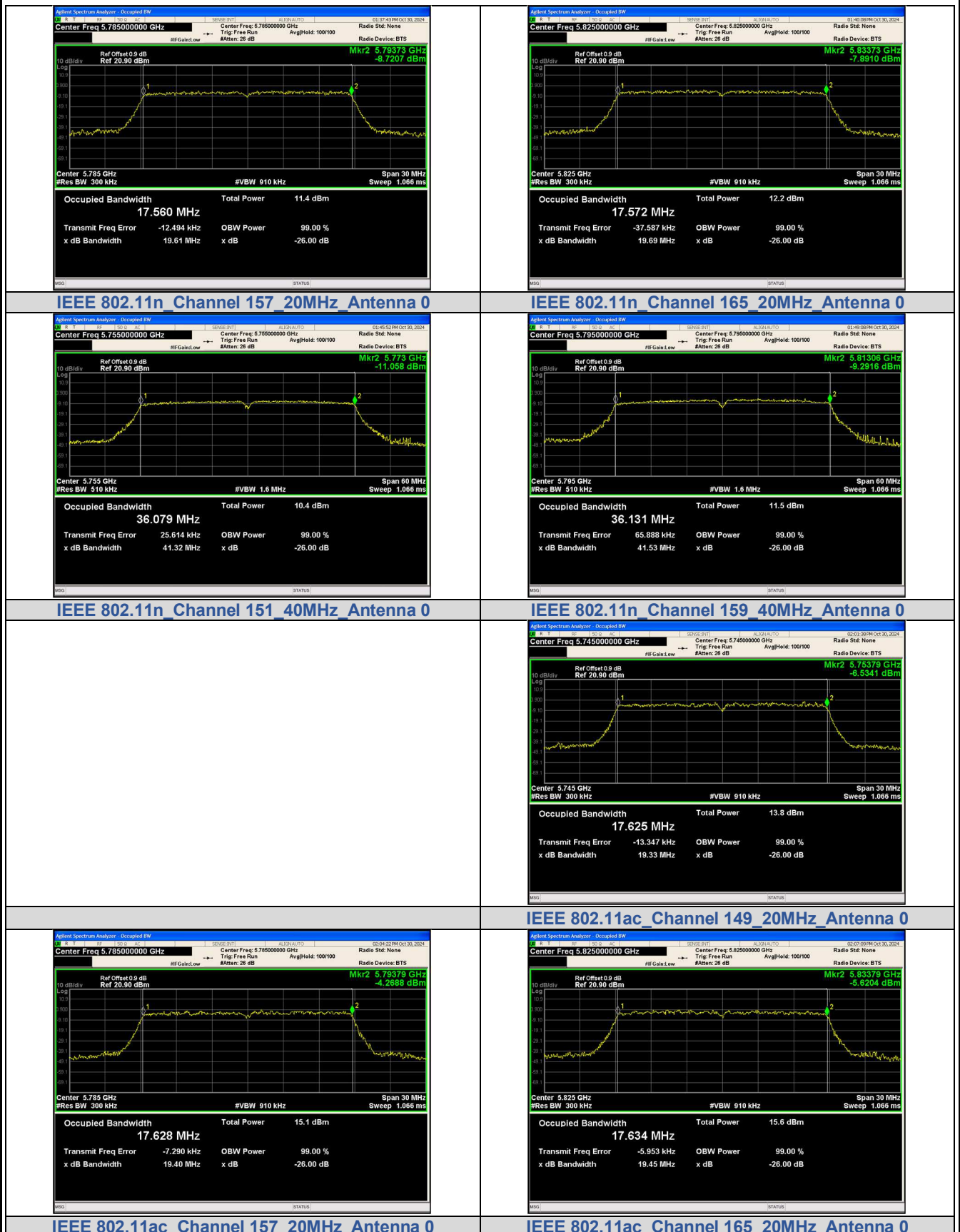
Appendix D.2: Test Results of 99% Bandwidth

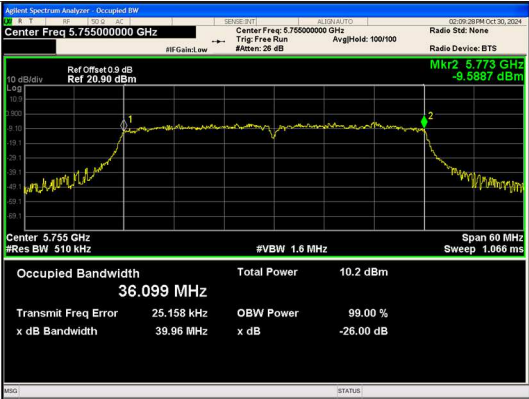
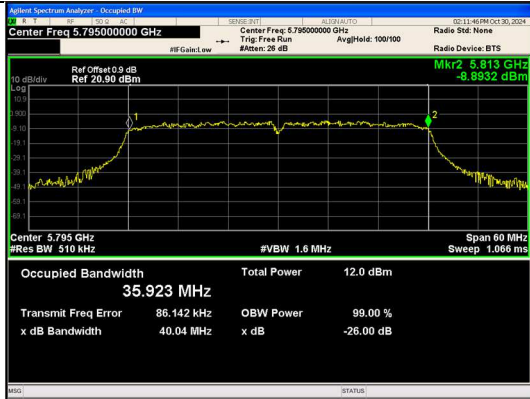
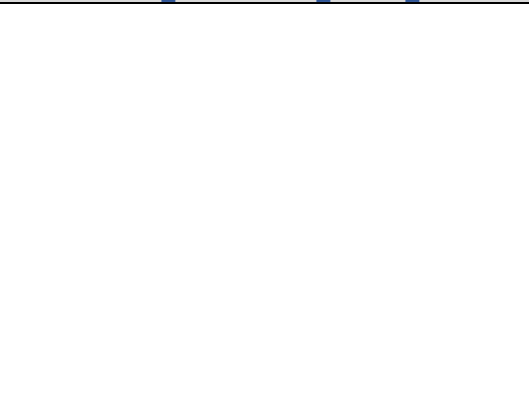
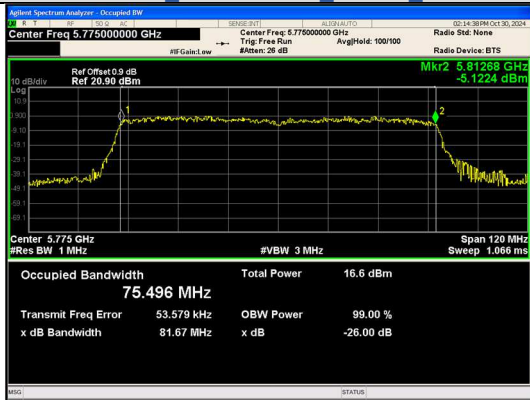
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	149	0	5745	16.397
	157		5785	16.402
	165		5825	16.383
IEEE 802.11n_20	149		5745	17.572
	157		5785	17.560
	165		5825	17.572
IEEE 802.11n_40	151		5755	36.079
	159		5795	36.131
IEEE 802.11ac_20	149		5745	17.625
	157		5785	17.628
	165		5825	17.634
IEEE 802.11ac_40	151		5755	36.099
	159		5795	35.923
IEEE 802.11ac_80	155		5775	75.496

Test Graphs





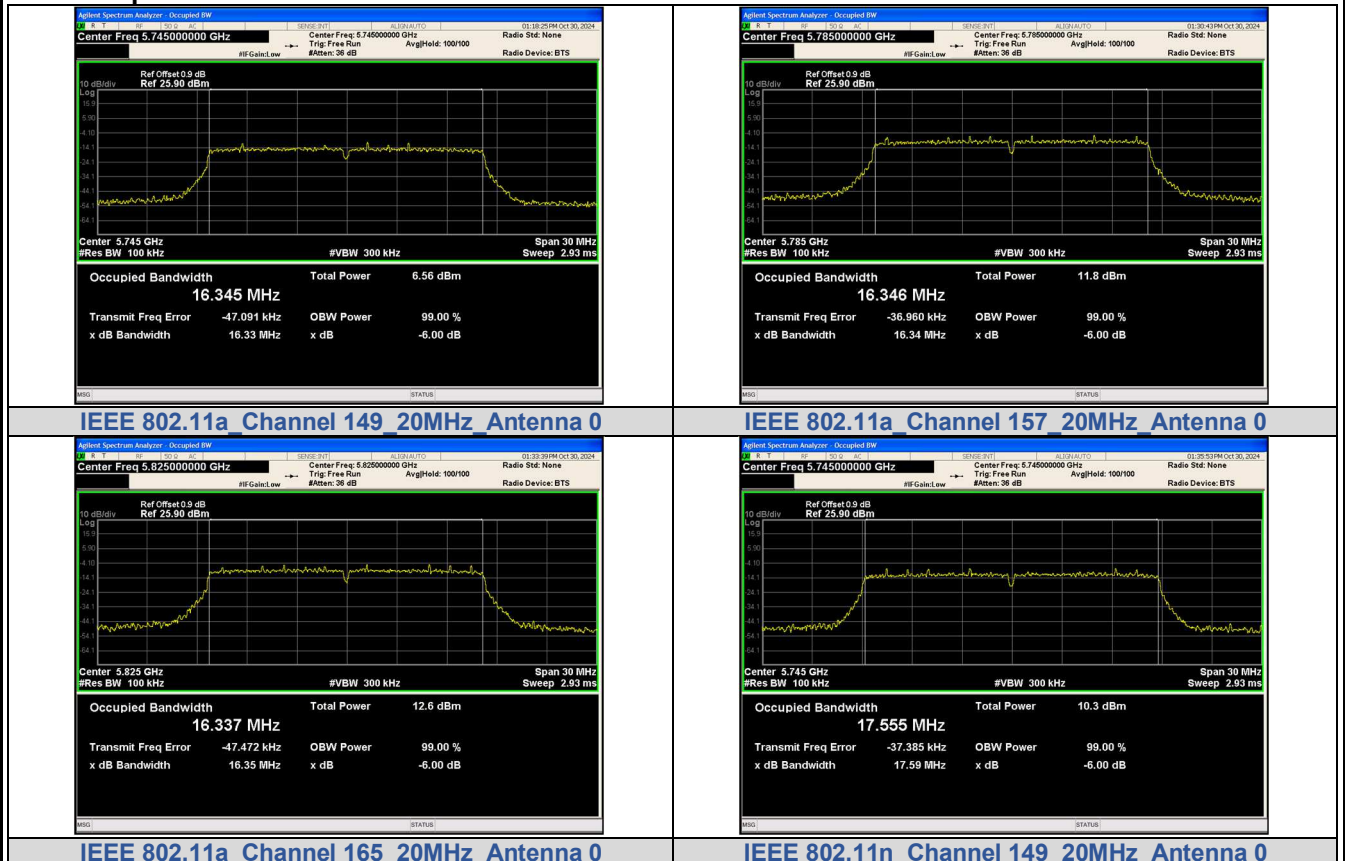
	
IEEE 802.11ac_Channel 151_40MHz_Antenna 0	IEEE 802.11ac_Channel 159_40MHz_Antenna 0
	
	IEEE 802.11ac_Channel 155_80MHz_Antenna 0

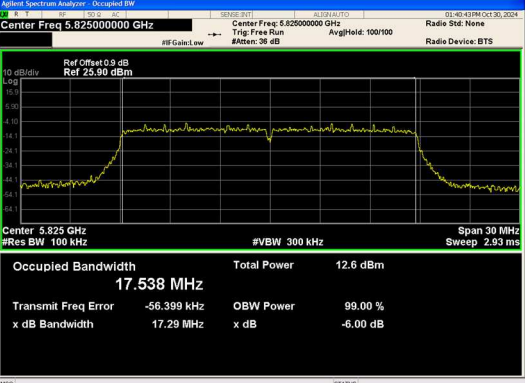
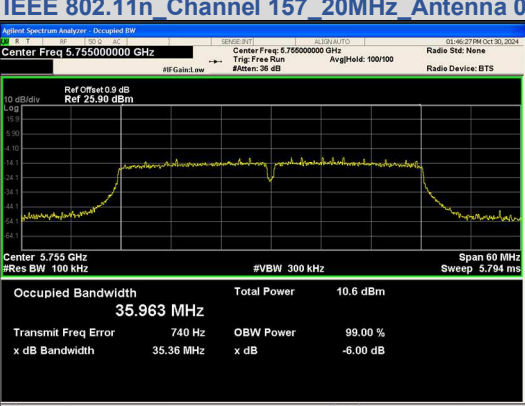
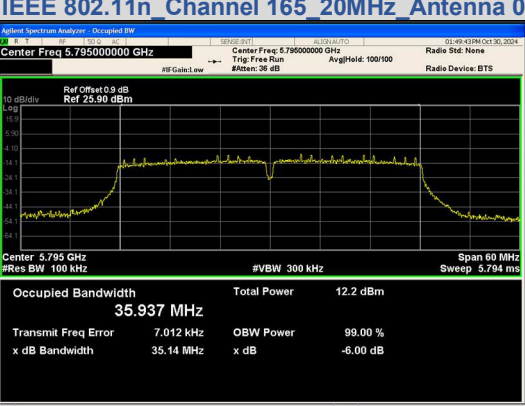
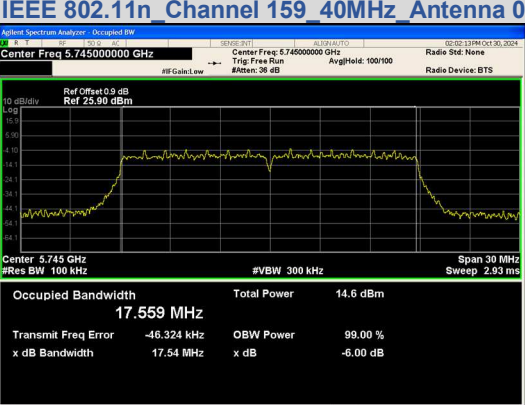
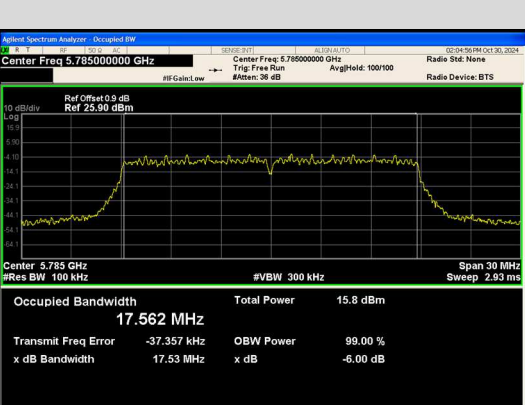
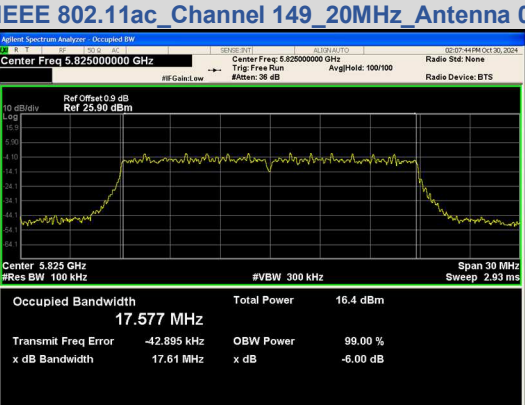
Appendix D.3: Test Results of 6dB Bandwidth

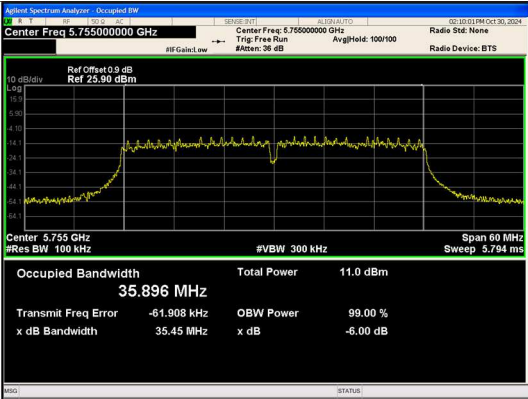
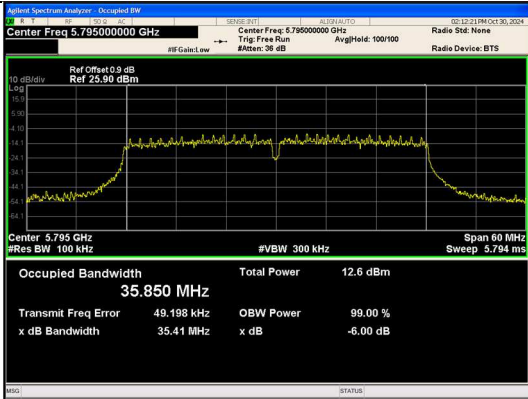
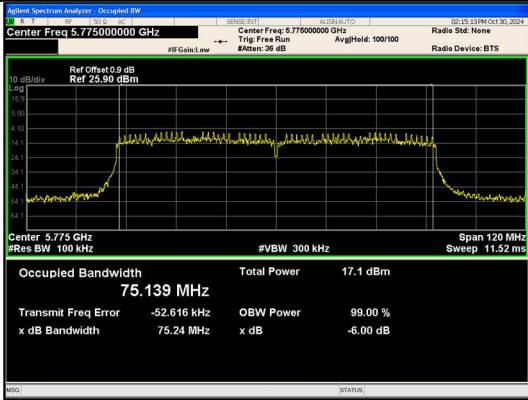
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	0	5745	16.33	≥0.5	PASS
	157		5785	16.34		PASS
	165		5825	16.35		PASS
IEEE 802.11n_20	149		5745	17.59		PASS
	157		5785	17.57		PASS
	165		5825	17.29		PASS
IEEE 802.11n_40	151		5755	35.36		PASS
	159		5795	35.14		PASS
IEEE 802.11ac_20	149		5745	17.54		PASS
	157		5785	17.53		PASS
	165		5825	17.61		PASS
IEEE 802.11ac_40	151		5755	35.45		PASS
	159		5795	35.41		PASS
IEEE 802.11ac_80	155		5775	75.24		PASS

Test Graphs



 IEEE 802.11n Channel 157 20MHz Antenna 0 Center Freq 5.785000000 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.93 ms Occupied Bandwidth: 17.538 MHz Total Power: 11.9 dBm Transmit Freq Error: -37.634 kHz OBW Power: 99.00 % x dB Bandwidth: 17.57 MHz x dB: -6.00 dB	 IEEE 802.11n Channel 165 20MHz Antenna 0 Center Freq 5.825000000 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.93 ms Occupied Bandwidth: 17.538 MHz Total Power: 12.6 dBm Transmit Freq Error: -56.399 kHz OBW Power: 99.00 % x dB Bandwidth: 17.29 MHz x dB: -6.00 dB
 IEEE 802.11n Channel 151 40MHz Antenna 0 Center Freq 5.755000000 GHz #Res BW 100 kHz #VBW 300 kHz Span 60 MHz Sweep 5.794 ms Occupied Bandwidth: 35.963 MHz Total Power: 10.6 dBm Transmit Freq Error: 740 Hz OBW Power: 99.00 % x dB Bandwidth: 35.36 MHz x dB: -6.00 dB	 IEEE 802.11n Channel 165 20MHz Antenna 0 Center Freq 5.795000000 GHz #Res BW 100 kHz #VBW 300 kHz Span 60 MHz Sweep 5.794 ms Occupied Bandwidth: 35.937 MHz Total Power: 12.2 dBm Transmit Freq Error: 7.012 kHz OBW Power: 99.00 % x dB Bandwidth: 35.14 MHz x dB: -6.00 dB
 IEEE 802.11n Channel 151 40MHz Antenna 0 Center Freq 5.745000000 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.93 ms Occupied Bandwidth: 17.559 MHz Total Power: 14.6 dBm Transmit Freq Error: -48.324 kHz OBW Power: 99.00 % x dB Bandwidth: 17.54 MHz x dB: -6.00 dB	 IEEE 802.11ac Channel 149 20MHz Antenna 0 Center Freq 5.825000000 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.93 ms Occupied Bandwidth: 17.577 MHz Total Power: 16.4 dBm Transmit Freq Error: -42.895 kHz OBW Power: 99.00 % x dB Bandwidth: 17.61 MHz x dB: -6.00 dB
 IEEE 802.11ac Channel 157 20MHz Antenna 0 Center Freq 5.785000000 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.93 ms Occupied Bandwidth: 17.562 MHz Total Power: 15.8 dBm Transmit Freq Error: -37.357 kHz OBW Power: 99.00 % x dB Bandwidth: 17.53 MHz x dB: -6.00 dB	 IEEE 802.11ac Channel 165 20MHz Antenna 0 Center Freq 5.825000000 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.93 ms Occupied Bandwidth: 17.577 MHz Total Power: 16.4 dBm Transmit Freq Error: -42.895 kHz OBW Power: 99.00 % x dB Bandwidth: 17.61 MHz x dB: -6.00 dB

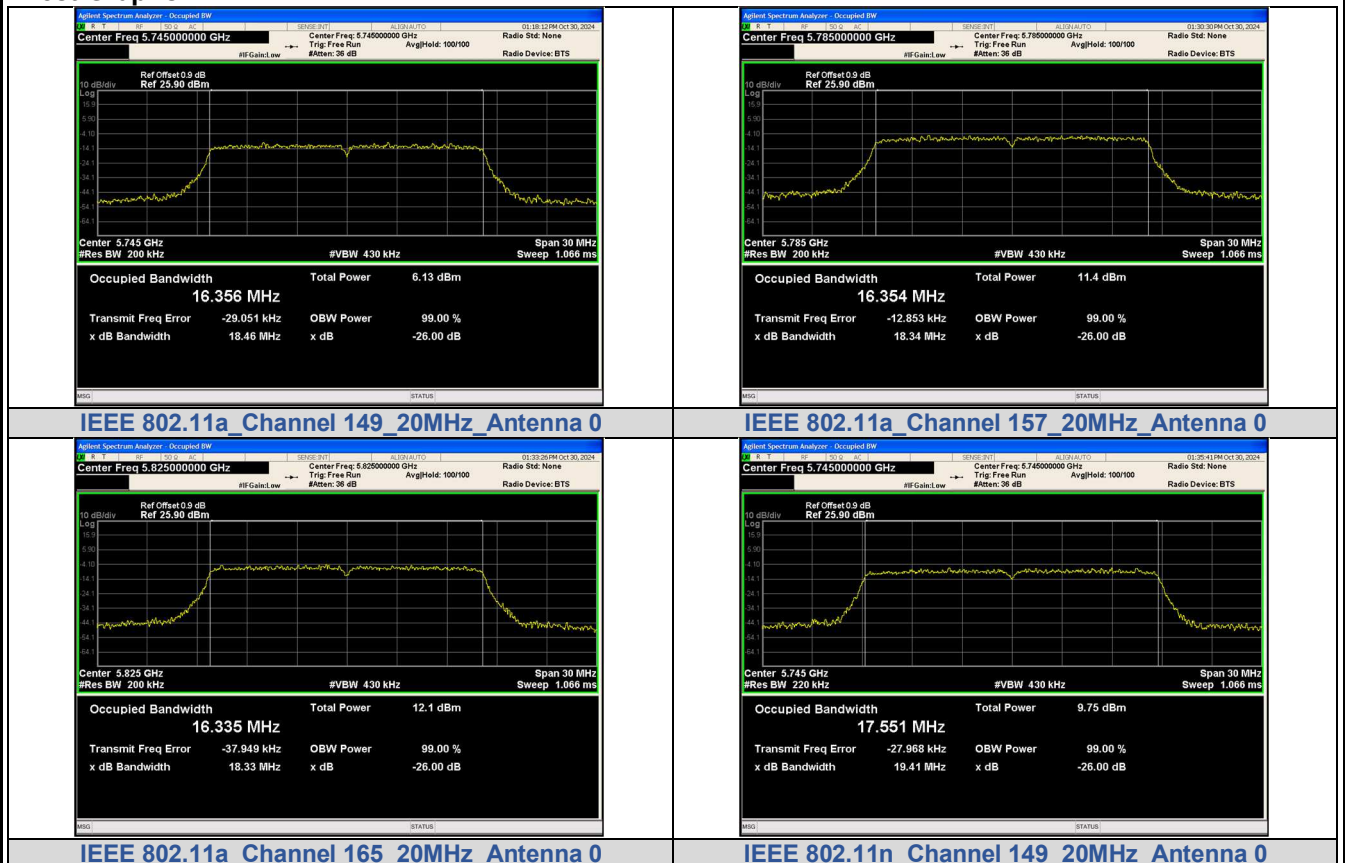
 Center Freq: 5.75500000 GHz Occupied Bandwidth: 35.896 MHz Total Power: 11.0 dBm	 Center Freq: 5.79500000 GHz Occupied Bandwidth: 35.850 MHz Total Power: 12.6 dBm
IEEE 802.11ac_Channel 151_40MHz_Antenna 0	IEEE 802.11ac_Channel 159_40MHz_Antenna 0
	 Center Freq: 5.77500000 GHz Occupied Bandwidth: 75.139 MHz Total Power: 17.1 dBm
	IEEE 802.11ac_Channel 155_80MHz_Antenna 0

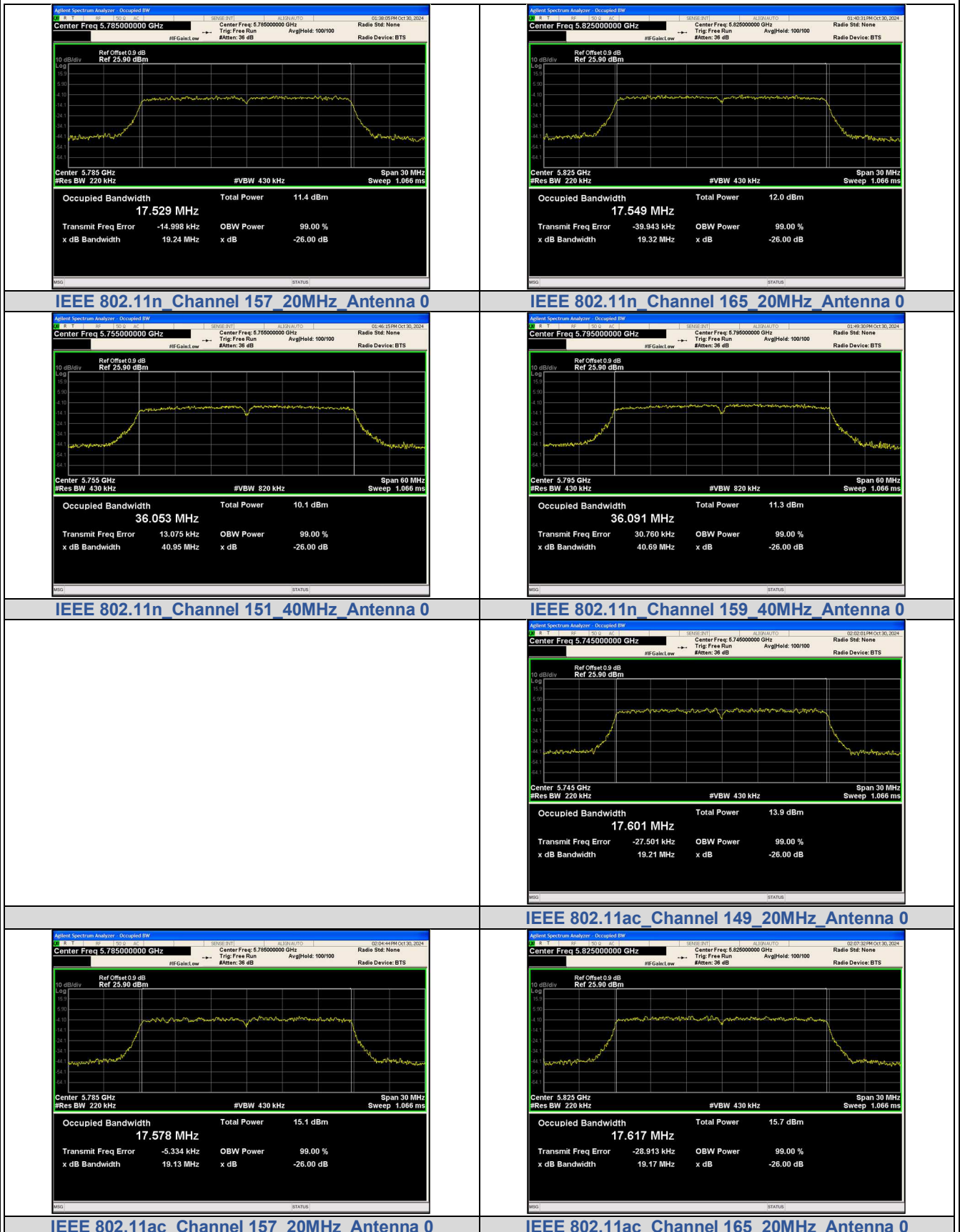
Appendix D.4: Test Results of 26dB Bandwidth

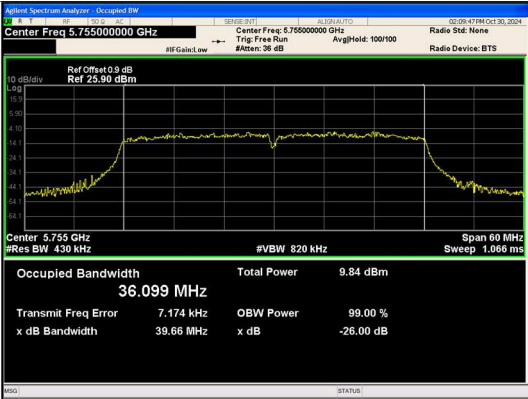
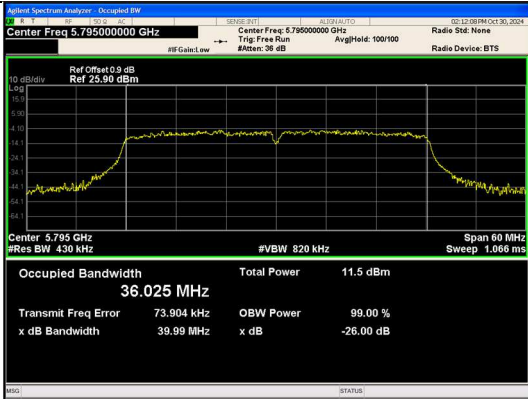
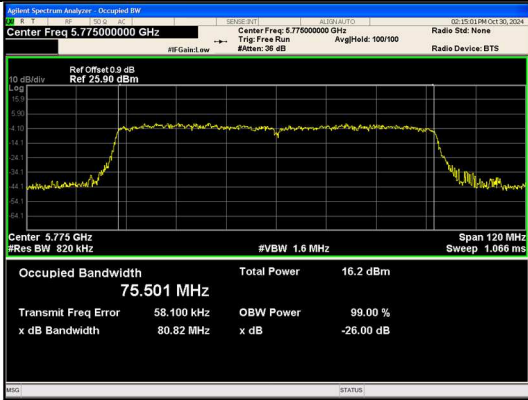
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	149	0	5745	18.46	1.12
	157		5785	18.34	1.13
	165		5825	18.33	1.13
IEEE 802.11n_20	149		5745	19.41	1.11
	157		5785	19.24	1.12
	165		5825	19.32	1.12
IEEE 802.11n_40	151		5755	40.95	1.05
	159		5795	40.69	1.06
IEEE 802.11ac_20	149		5745	19.21	1.11
	157		5785	19.13	1.11
	165		5825	19.17	1.11
IEEE 802.11ac_40	151		5755	39.66	1.05
	159		5795	39.99	1.05
IEEE 802.11ac_80	155		5775	80.82	1.04

Test Graphs





	
IEEE 802.11ac_Channel 151_40MHz_Antenna 0	IEEE 802.11ac_Channel 159_40MHz_Antenna 0
	
	IEEE 802.11ac_Channel 155_80MHz_Antenna 0

Appendix D.5: Test Results of Power Spectral Density

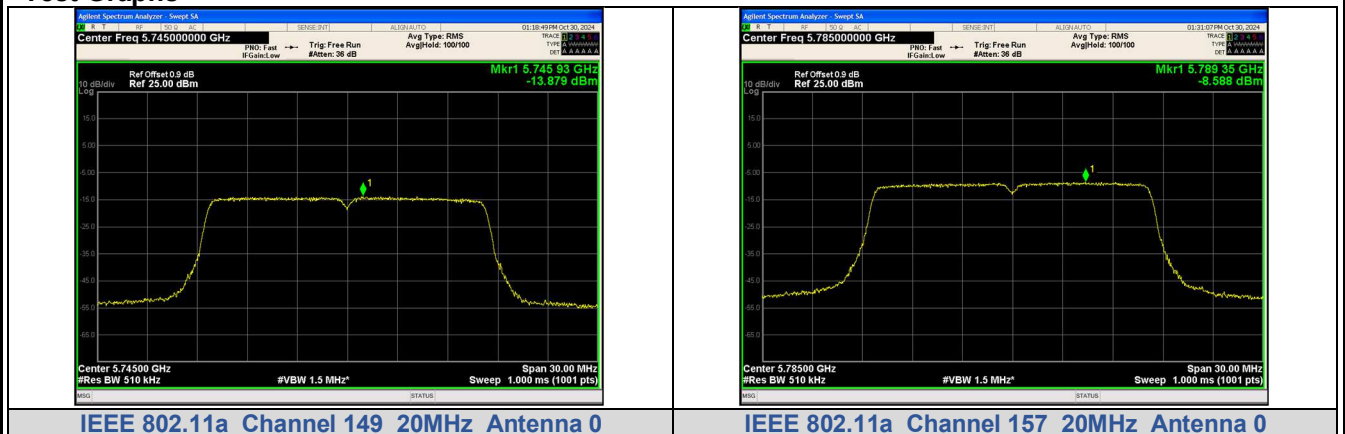
Test Result

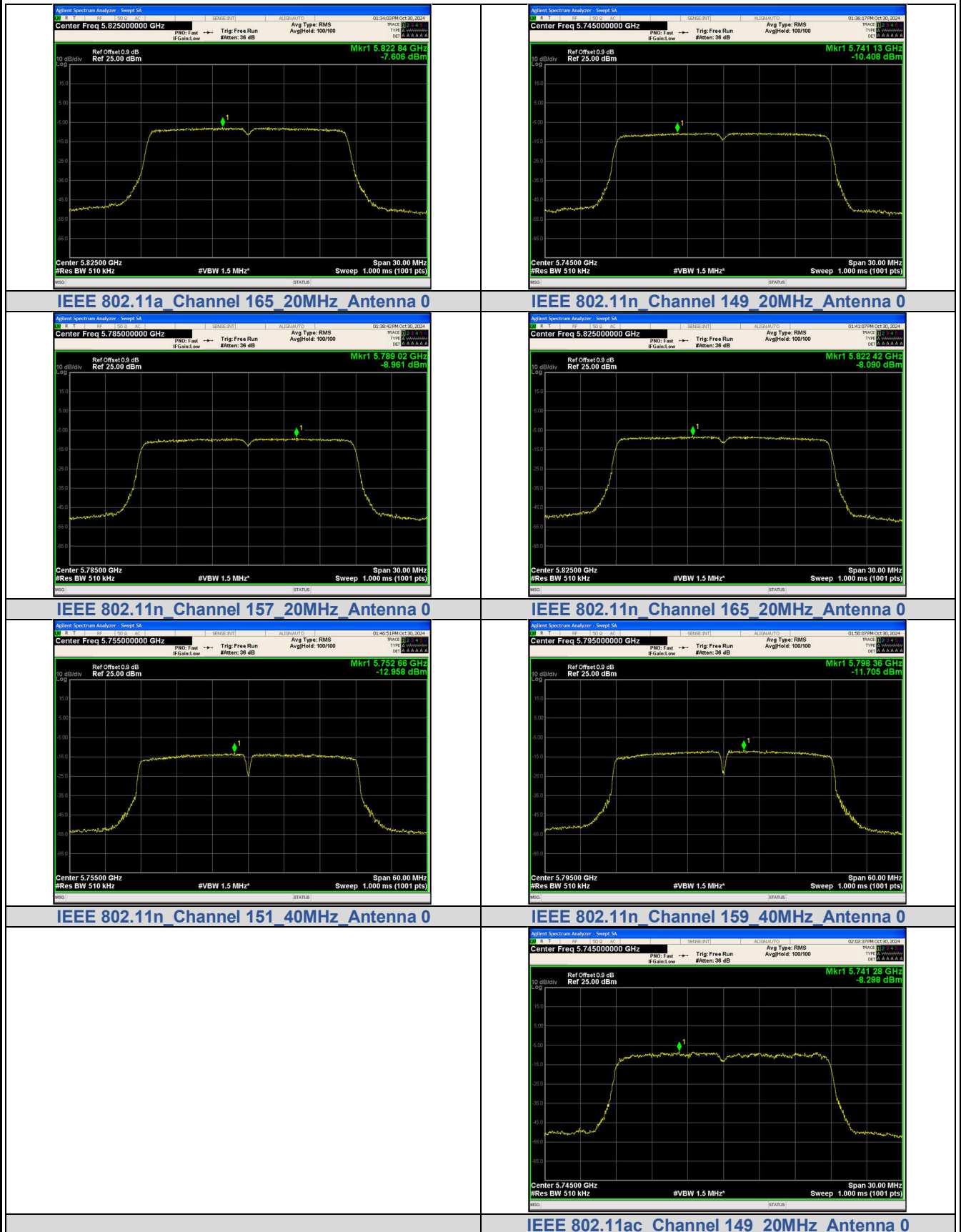
Mode	Channel	Ant. 0 Corr'd PSD (dBm/0.5MHz)	Ant. 1 Corr'd PSD (dBm/0.5MHz)	Ant. MIMO Corr'd PSD (dBm/0.5MHz)	Limit (dBm/0.5MHz)	Result
IEEE 802.11a	149	-13.879	-10.697	-8.993	30	PASS
	157	-8.588	-9.815	-6.148		PASS
	165	-7.606	-8.974	-5.226		PASS
IEEE 802.11n_20	149	-10.408	-10.875	-7.625		PASS
	157	-8.961	-10.245	-6.545		PASS
	165	-8.090	-9.156	-5.580		PASS
IEEE 802.11n_40	151	-12.958	-13.241	-10.087	30	PASS
	159	-11.705	-12.296	-8.980		PASS
IEEE 802.11ac_20	149	-8.298	-6.555	-4.329		PASS
	157	-6.873	-5.685	-3.228		PASS
	165	-6.066	-4.928	-2.450		PASS
IEEE 802.11ac_40	151	-15.472	-11.958	-10.359		PASS
	159	-14.215	-10.119	-8.691		PASS
IEEE 802.11ac_80	155	-13.234	-9.804	-8.179	30	PASS

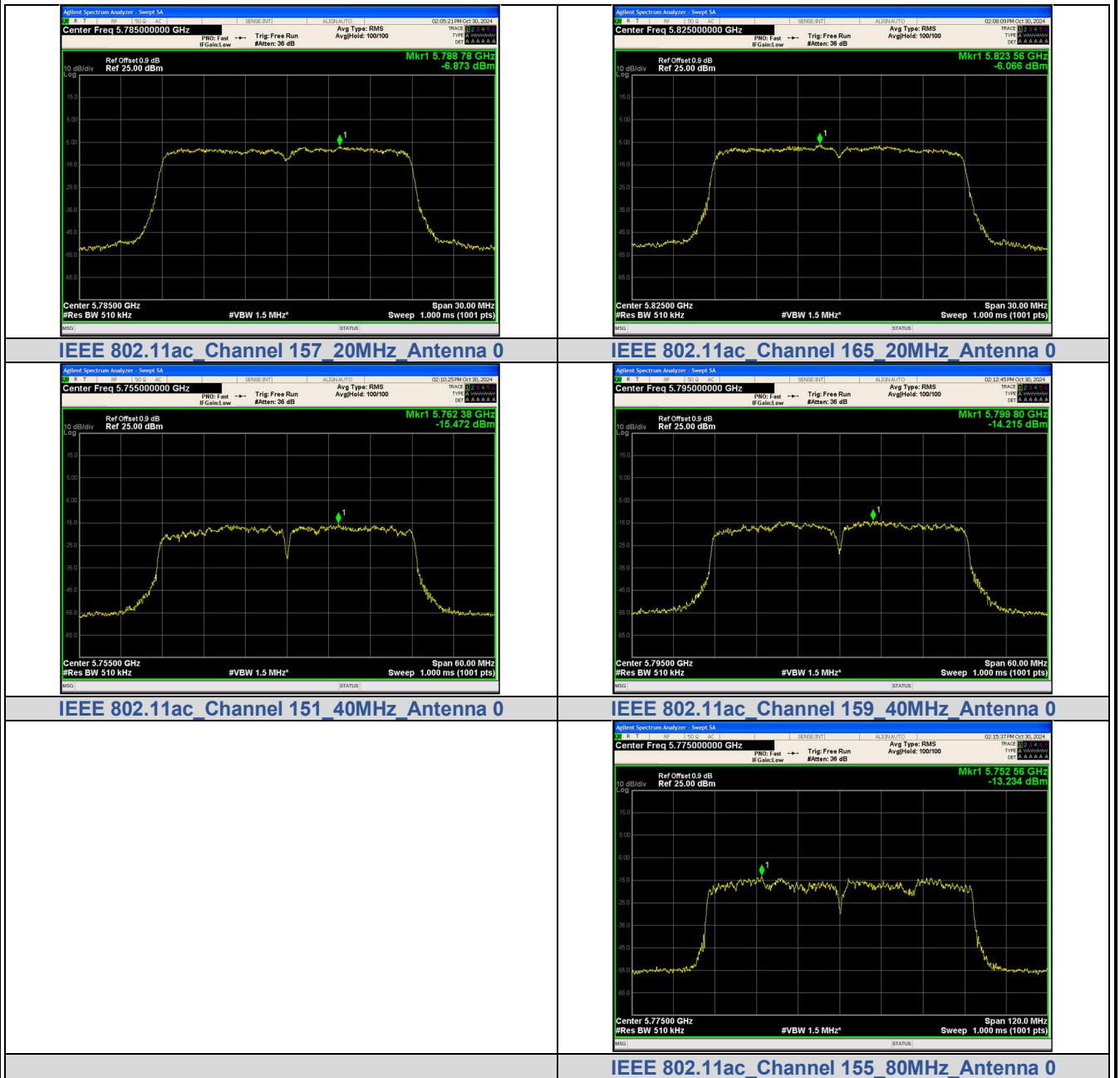
Test Result

Mode	Channel	Ant. 0 Meas PSD (dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/0.5MHz)	Limit (dBm/0.5MHz)	Result
IEEE 802.11a	149	-13.879	-13.717	30	PASS
	157	-8.588	-8.426		PASS
	165	-7.606	-7.444		PASS
IEEE 802.11n_20	149	-10.408	-10.088		PASS
	157	-8.961	-8.641		PASS
	165	-8.090	-7.77		PASS
IEEE 802.11n_40	151	-12.958	-12.237	30	PASS
	159	-11.705	-10.984		PASS
IEEE 802.11ac_20	149	-8.298	-4.966		PASS
	157	-6.873	-3.541		PASS
	165	-6.066	-2.734		PASS
IEEE 802.11ac_40	151	-15.472	-11.67		PASS
	159	-14.215	-10.413		PASS
IEEE 802.11ac_80	155	-13.234	-8.247	30	PASS

Test Graphs



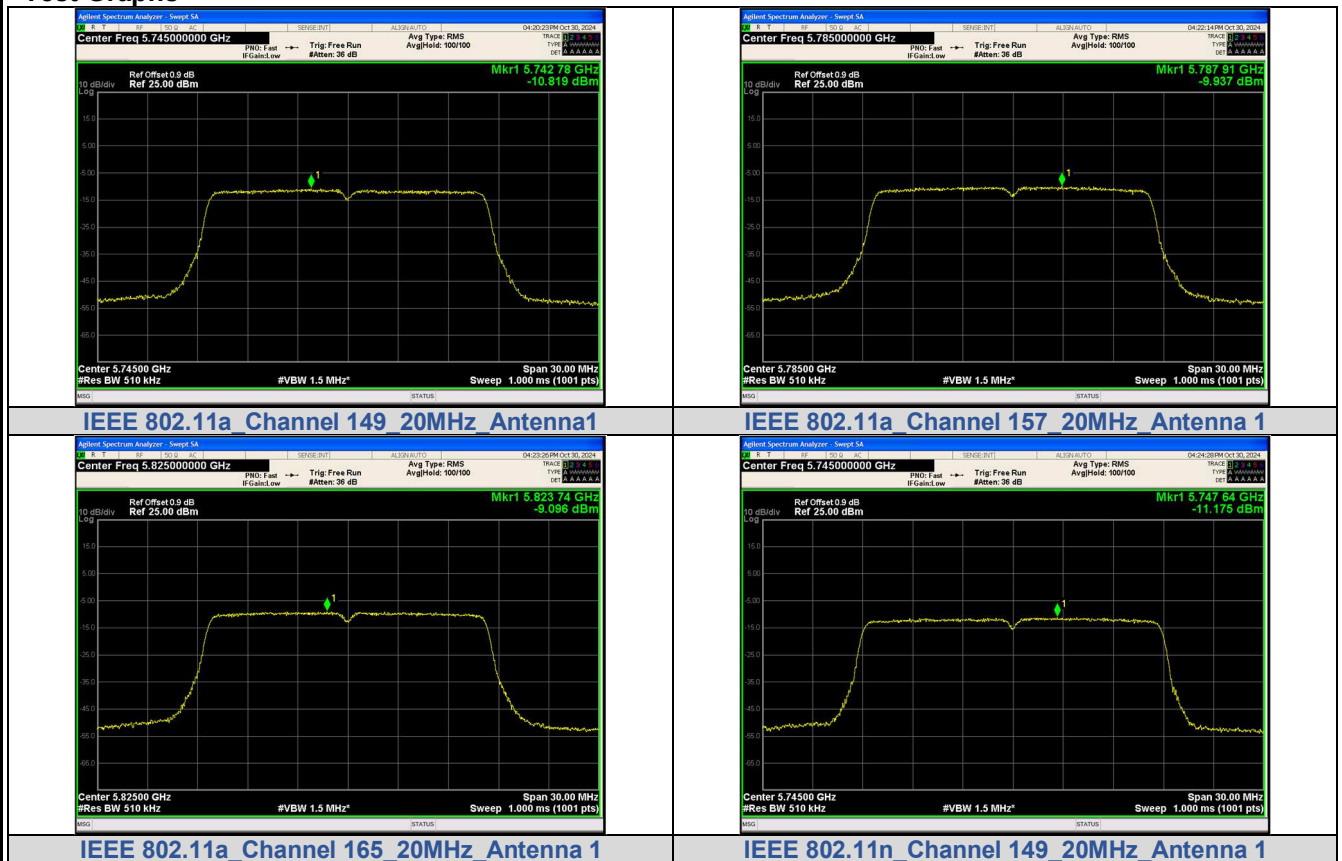


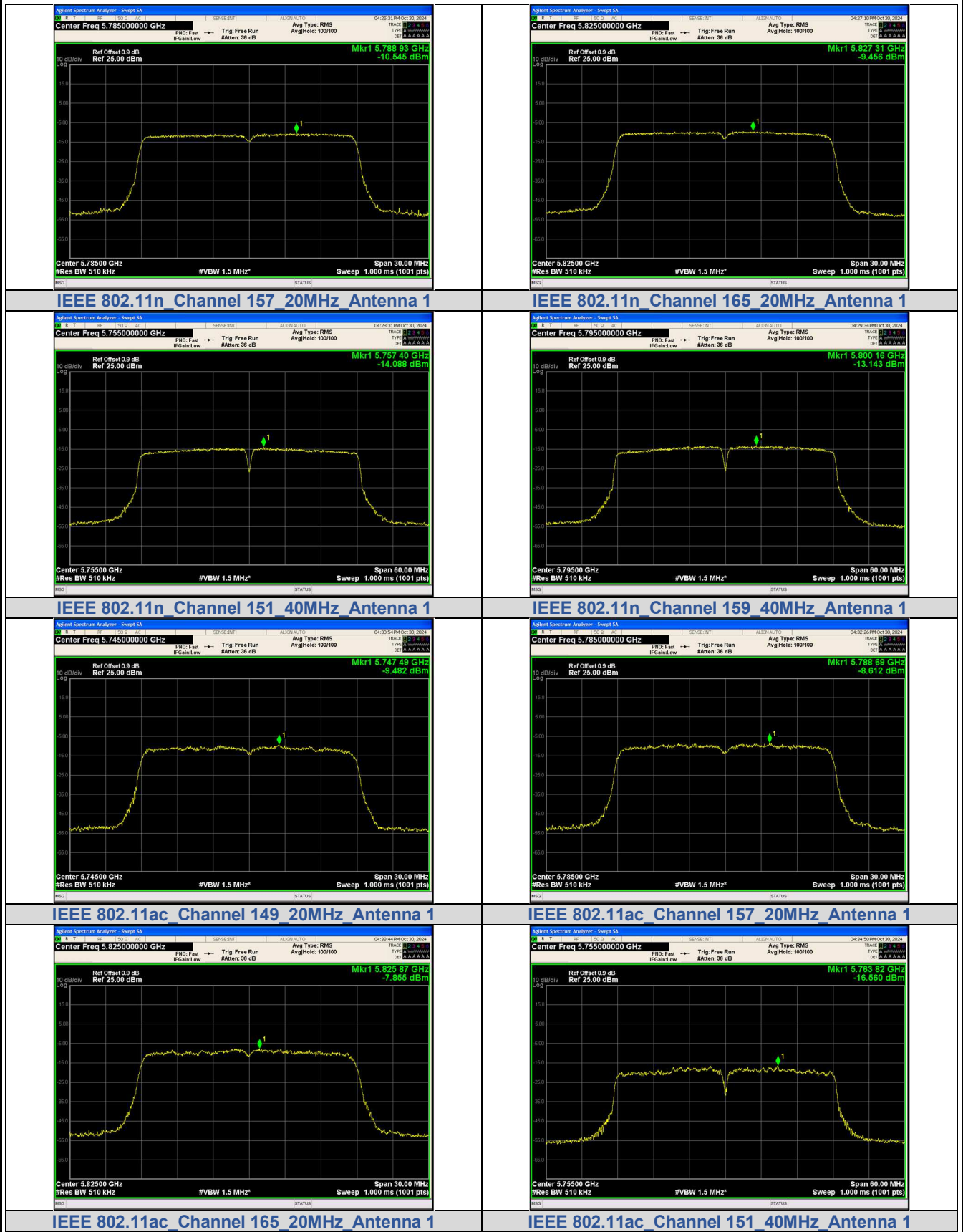


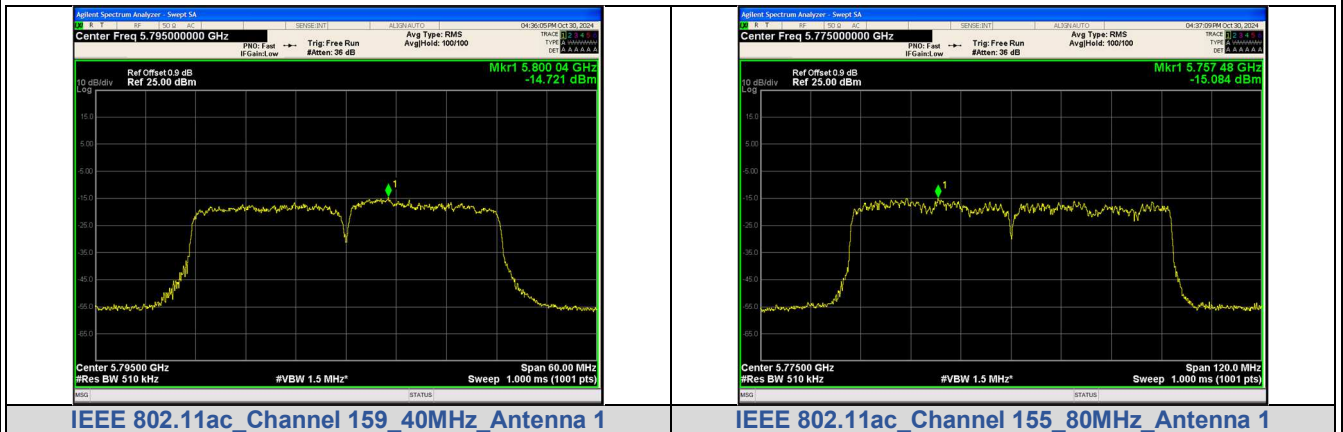
Test Result

Mode	Channel	Ant. 1 Meas PSD (dBm/0.5MHz)	Ant. 1 Corr'd PSD (dBm/0.5MHz)	Limit (dBm/0.5MHz)	Result
IEEE 802.11a	149	-10.819	-10.697	30	PASS
	157	-9.937	-9.815		PASS
	165	-9.096	-8.974		PASS
IEEE 802.11n_20	149	-11.175	-10.875		PASS
	157	-10.545	-10.245		PASS
	165	-9.456	-9.156		PASS
IEEE 802.11n_40	151	-14.088	-13.241		PASS
	159	-13.143	-12.296		PASS
IEEE 802.11ac_20	149	-9.482	-6.555		PASS
	157	-8.612	-5.685		PASS
	165	-7.855	-4.928		PASS
IEEE 802.11ac_40	151	-16.560	-11.958		PASS
	159	-14.721	-10.119		PASS
IEEE 802.11ac_80	155	-15.084	-9.804		PASS

Test Graphs







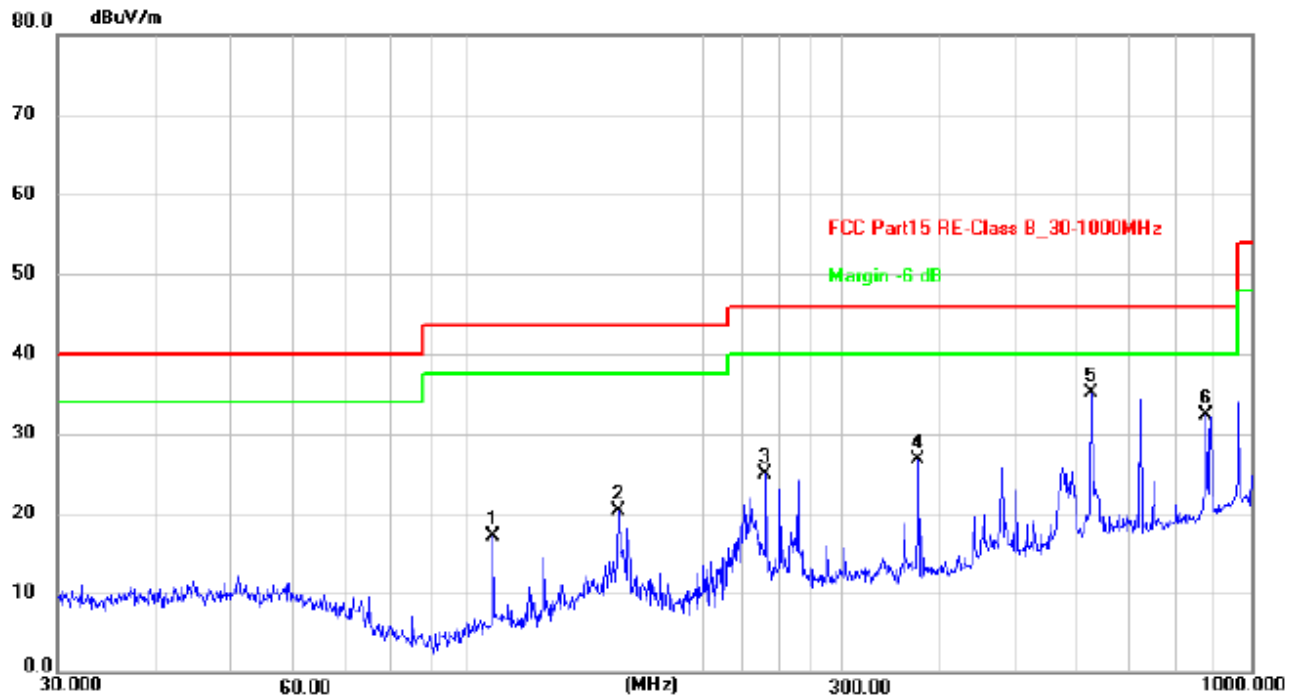
Appendix D.6: Test Results of Radiated Spurious Emissions

Note:

- 1) This testing was carried out on different modulations and channels, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

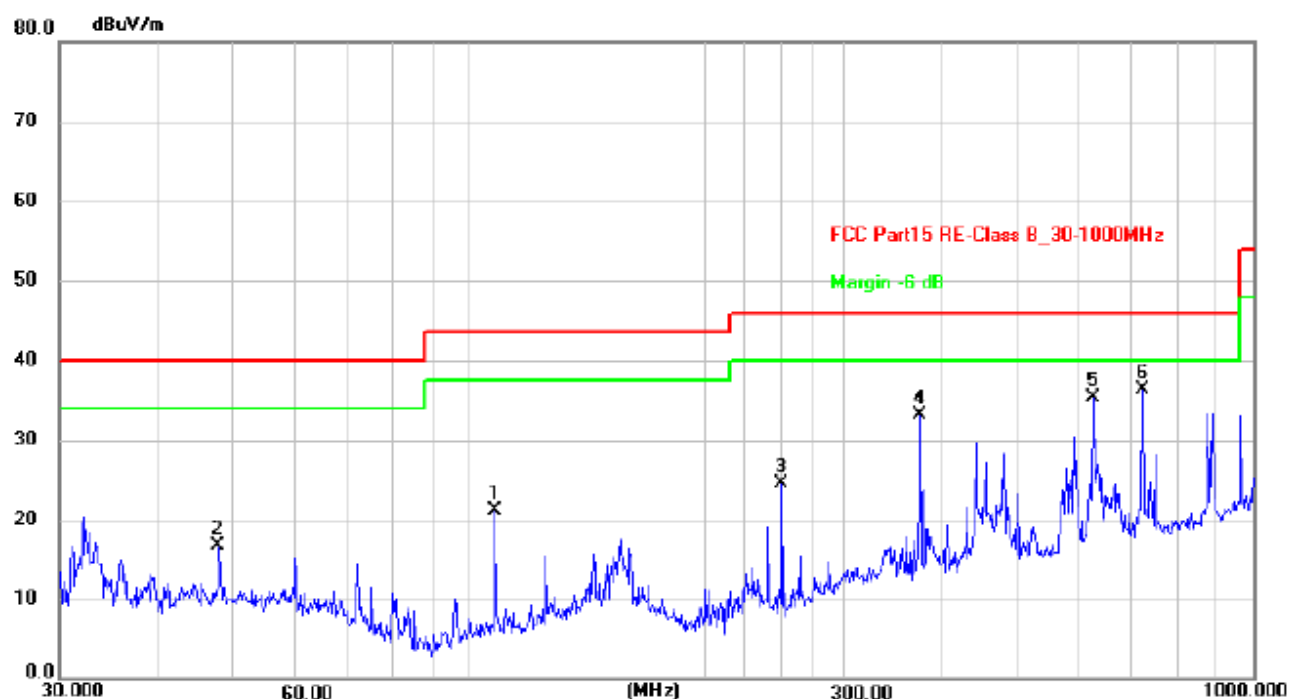
30 MHz - 1GHz

802.11 n-HT20, ANT Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	107.8877	49.65	-32.48	17.17	43.50	-26.33	peak	150	360	P	
2	155.9101	49.25	-28.98	20.27	43.50	-23.23	peak	150	360	P	
3	239.9874	55.59	-30.71	24.88	46.00	-21.12	peak	150	360	P	
4	375.9385	53.39	-26.72	26.67	46.00	-19.33	peak	150	360	P	
5 *	625.0780	56.04	-20.84	35.20	46.00	-10.80	peak	150	360	P	
6	875.2470	49.32	-16.98	32.34	46.00	-13.66	peak	150	360	P	

802.11 n-HT20, ANT Polarization: Vertical

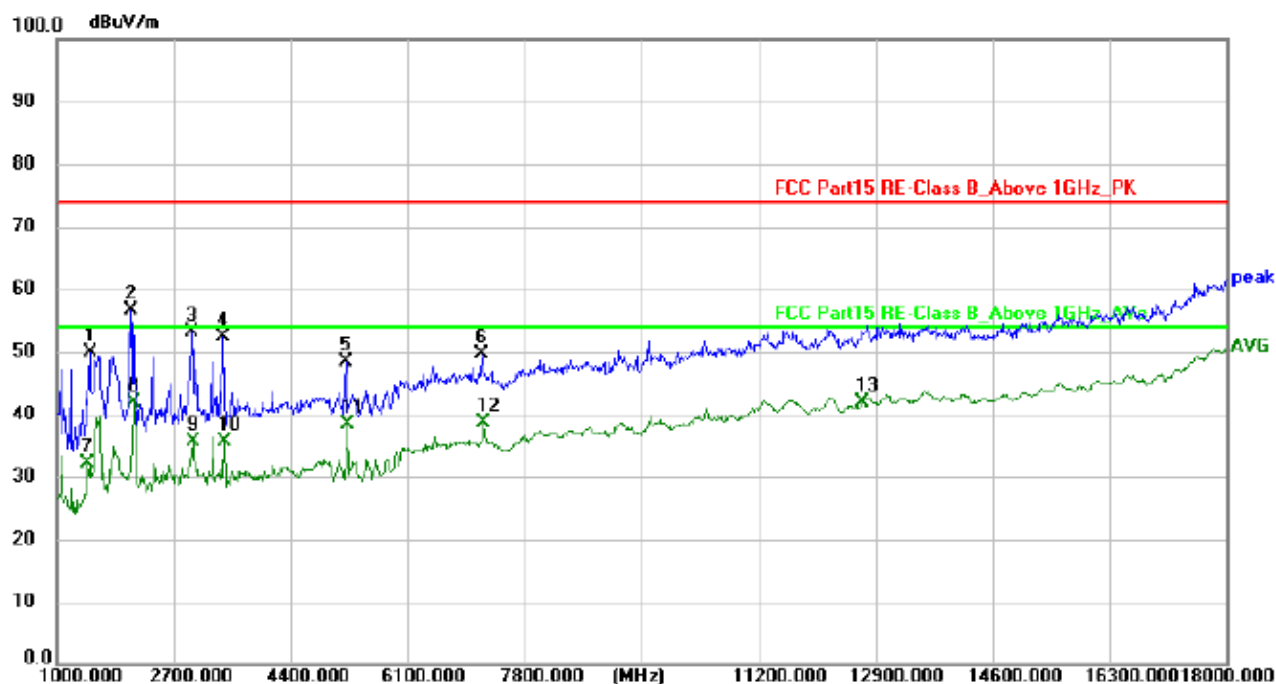


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	107.8877	53.50	-32.48	21.02	43.50	-22.48	peak	150	360	P	
2	47.8260	45.66	-28.99	16.67	40.00	-23.33	peak	150	360	P	
3	250.3012	55.19	-30.68	24.51	46.00	-21.49	peak	150	360	P	
4	375.9385	59.77	-26.72	33.05	46.00	-12.95	peak	150	360	P	
5	625.0780	56.08	-20.84	35.24	46.00	-10.76	peak	150	360	P	
6 *	721.7259	55.51	-19.16	36.35	46.00	-9.65	peak	150	360	P	

1GHz - 18GHz

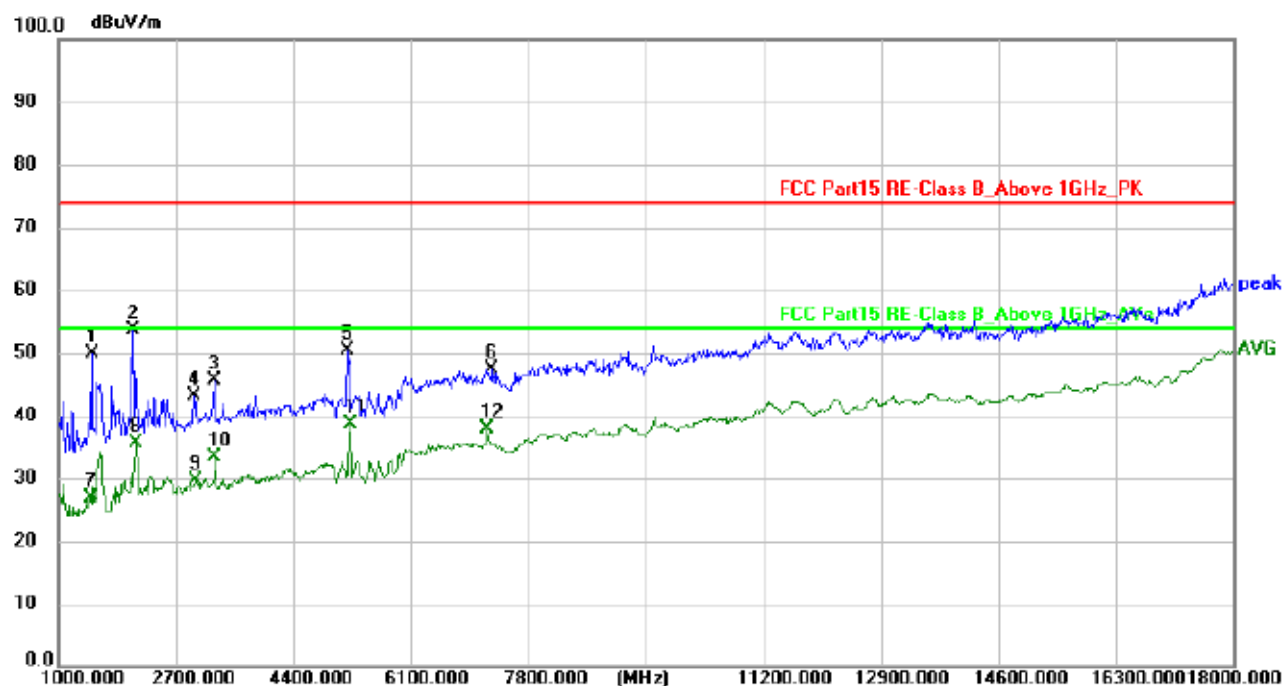
Note: The highest waveform in the figure is Fundamental.

802.11 a, ANT Polarization: Horizontal



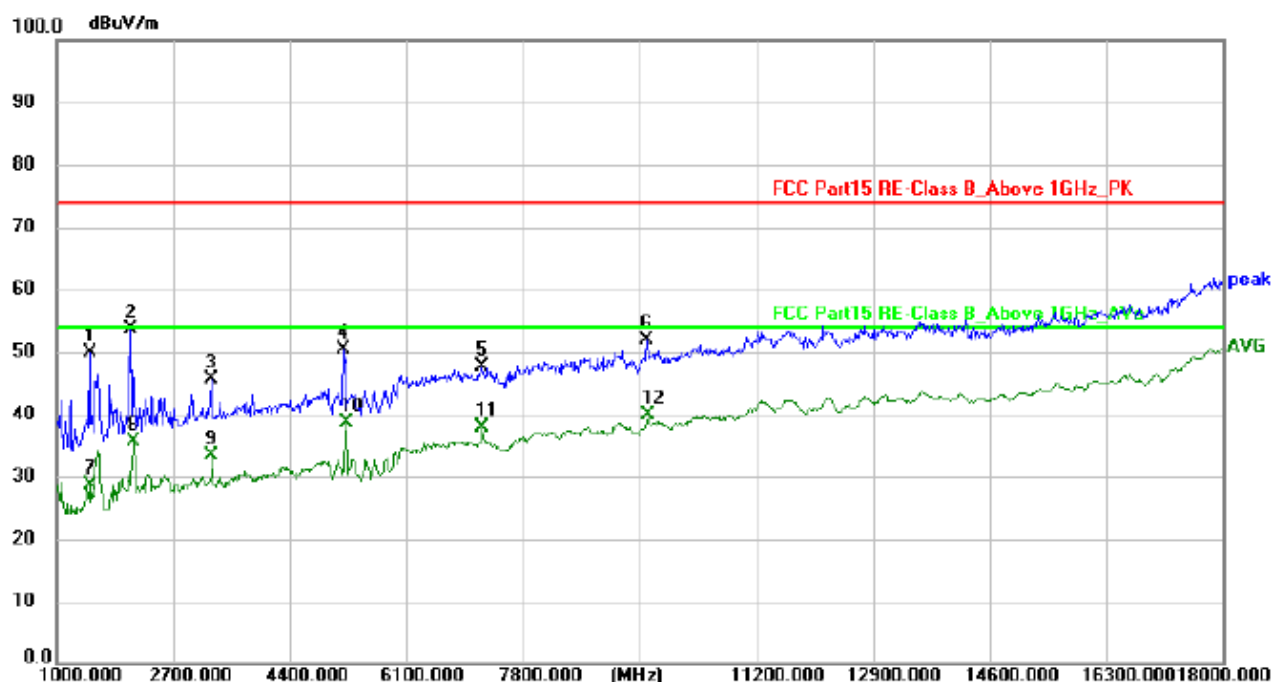
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1476.000	69.68	-19.81	49.87	74.00	-24.13	peak	150	360	P	
2	2071.000	73.56	-16.94	56.62	74.00	-17.38	peak	150	360	P	
3	2955.000	66.05	-12.80	53.25	74.00	-20.75	peak	150	360	P	
4	3414.000	64.18	-11.78	52.40	74.00	-21.60	peak	150	360	P	
5	5199.000	53.20	-4.74	48.46	74.00	-25.54	peak	150	360	P	
6	7171.000	49.88	-0.28	49.60	74.00	-24.40	peak	150	360	P	
7	1442.000	51.89	-19.79	32.10	54.00	-21.90	AVG	150	360	P	
8 *	2122.000	58.52	-16.71	41.81	54.00	-12.19	AVG	150	360	P	
9	2972.000	48.30	-12.66	35.64	54.00	-18.36	AVG	150	360	P	
10	3431.000	47.31	-11.70	35.61	54.00	-18.39	AVG	150	360	P	
11	5233.000	43.01	-4.67	38.34	54.00	-15.66	AVG	150	360	P	
12	7205.000	38.80	-0.28	38.52	54.00	-15.48	AVG	150	360	P	
13	12696.000	32.66	9.11	41.77	54.00	-12.23	AVG	150	360	P	

802.11 a, ANT Polarization: Vertical



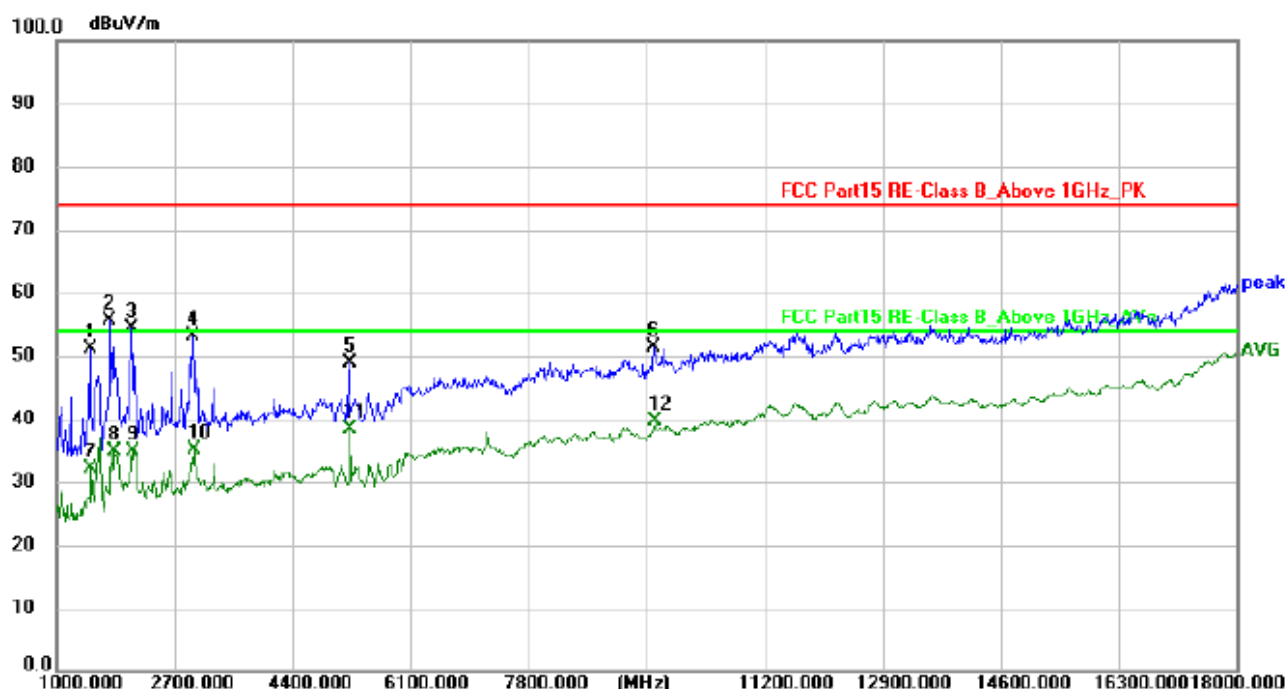
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1476.000	69.63	-19.81	49.82	74.00	-24.18	peak	150	0	P	
2	2071.000	70.49	-16.94	53.55	74.00	-20.45	peak	150	0	P	
3	3244.000	57.29	-11.77	45.52	74.00	-28.48	peak	150	0	P	
4	2955.000	56.03	-12.80	43.23	74.00	-30.77	peak	150	0	P	
5	5182.000	55.12	-4.78	50.34	74.00	-23.66	peak	150	0	P	
6	7273.000	47.64	-0.31	47.33	74.00	-26.67	peak	150	0	P	
7	1459.000	46.72	-19.80	26.92	54.00	-27.08	AVG	150	0	P	
8	2122.000	52.22	-16.71	35.51	54.00	-18.49	AVG	150	0	P	
9	2972.000	42.29	-12.66	29.63	54.00	-24.37	AVG	150	0	P	
10	3261.000	45.11	-11.78	33.33	54.00	-20.67	AVG	150	0	P	
11 *	5233.000	43.33	-4.67	38.66	54.00	-15.34	AVG	150	0	P	
12	7205.000	38.08	-0.28	37.80	54.00	-16.20	AVG	150	0	P	

802.11 ac-HT20, ANT Polarization: Vertical



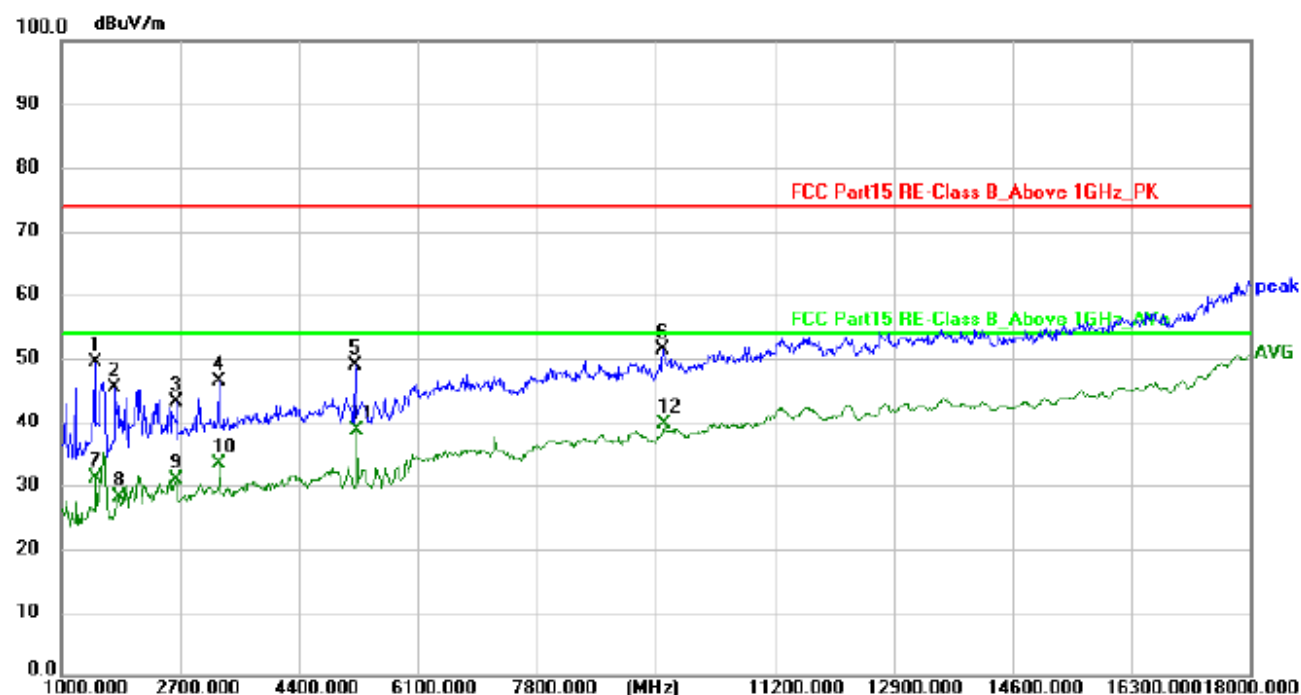
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1476.000	69.63	-19.81	49.82	74.00	-24.18	peak	150	0	P	
2	2071.000	70.49	-16.94	53.55	74.00	-20.45	peak	150	0	P	
3	3244.000	57.29	-11.77	45.52	74.00	-28.48	peak	150	0	P	
4	5182.000	55.12	-4.78	50.34	74.00	-23.66	peak	150	0	P	
5	7188.000	47.96	-0.28	47.68	74.00	-26.32	peak	150	0	P	
6	9602.000	47.40	4.38	51.78	74.00	-22.22	peak	150	0	P	
7	1493.000	48.37	-19.81	28.56	54.00	-25.44	AVG	150	0	P	
8	2122.000	52.22	-16.71	35.51	54.00	-18.49	AVG	150	0	P	
9	3261.000	45.11	-11.78	33.33	54.00	-20.67	AVG	150	0	P	
10	5233.000	43.33	-4.67	38.66	54.00	-15.34	AVG	150	0	P	
11	7205.000	38.08	-0.28	37.80	54.00	-16.20	AVG	150	0	P	
12 *	9619.000	35.50	4.41	39.91	54.00	-14.09	AVG	150	0	P	

802.11 ac-HT20, ANT Polarization: Vertical



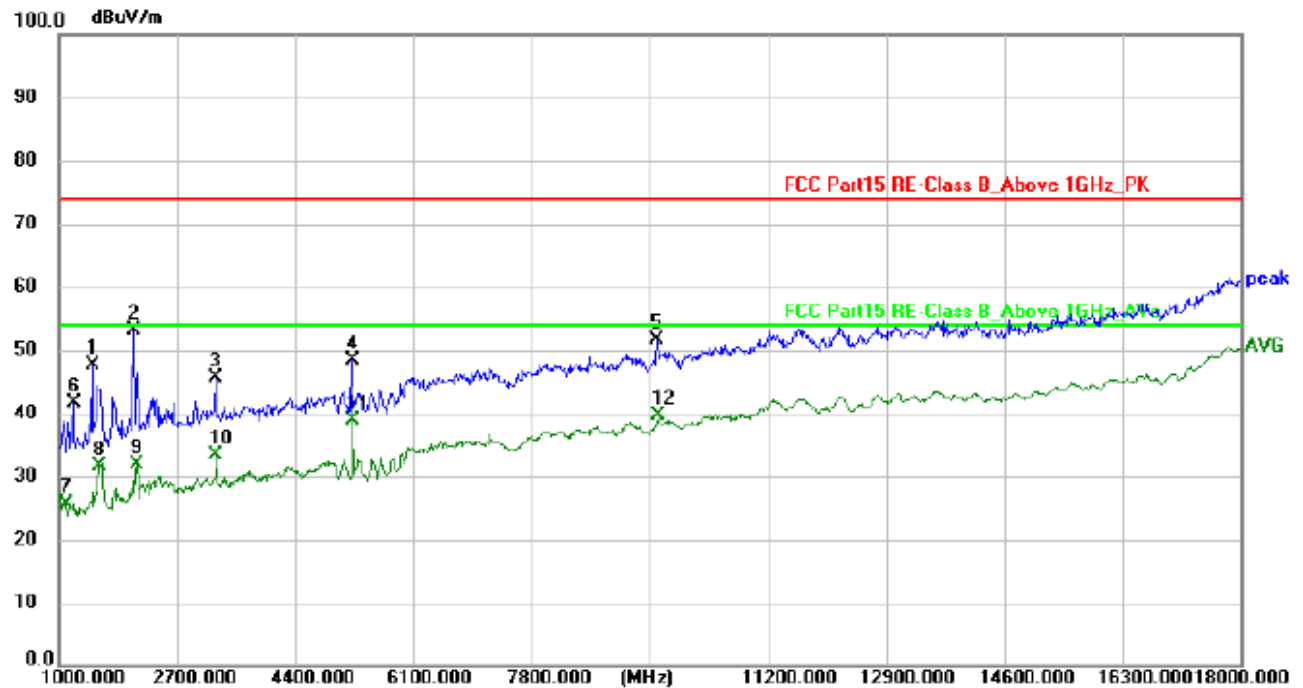
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1476.000	71.03	-19.81	51.22	74.00	-22.78	peak	150	0	P	
2	1765.000	75.21	-19.51	55.70	74.00	-18.30	peak	150	0	P	
3	2071.000	71.39	-16.94	54.45	74.00	-19.55	peak	150	0	P	
4	2955.000	66.04	-12.80	53.24	74.00	-20.76	peak	150	0	P	
5	5216.000	53.64	-4.71	48.93	74.00	-25.07	peak	150	0	P	
6	9602.000	46.93	4.38	51.31	74.00	-22.69	peak	150	0	P	
7	1493.000	51.84	-19.81	32.03	54.00	-21.97	AVG	150	0	P	
8	1833.000	54.02	-19.08	34.94	54.00	-19.06	AVG	150	0	P	
9	2088.000	51.68	-16.86	34.82	54.00	-19.18	AVG	150	0	P	
10	2972.000	47.69	-12.66	35.03	54.00	-18.97	AVG	150	0	P	
11	5233.000	43.12	-4.67	38.45	54.00	-15.55	AVG	150	0	P	
12 *	9619.000	35.26	4.41	39.67	54.00	-14.33	AVG	150	0	P	

802.11 ac-HT40, ANT Polarization: Vertical



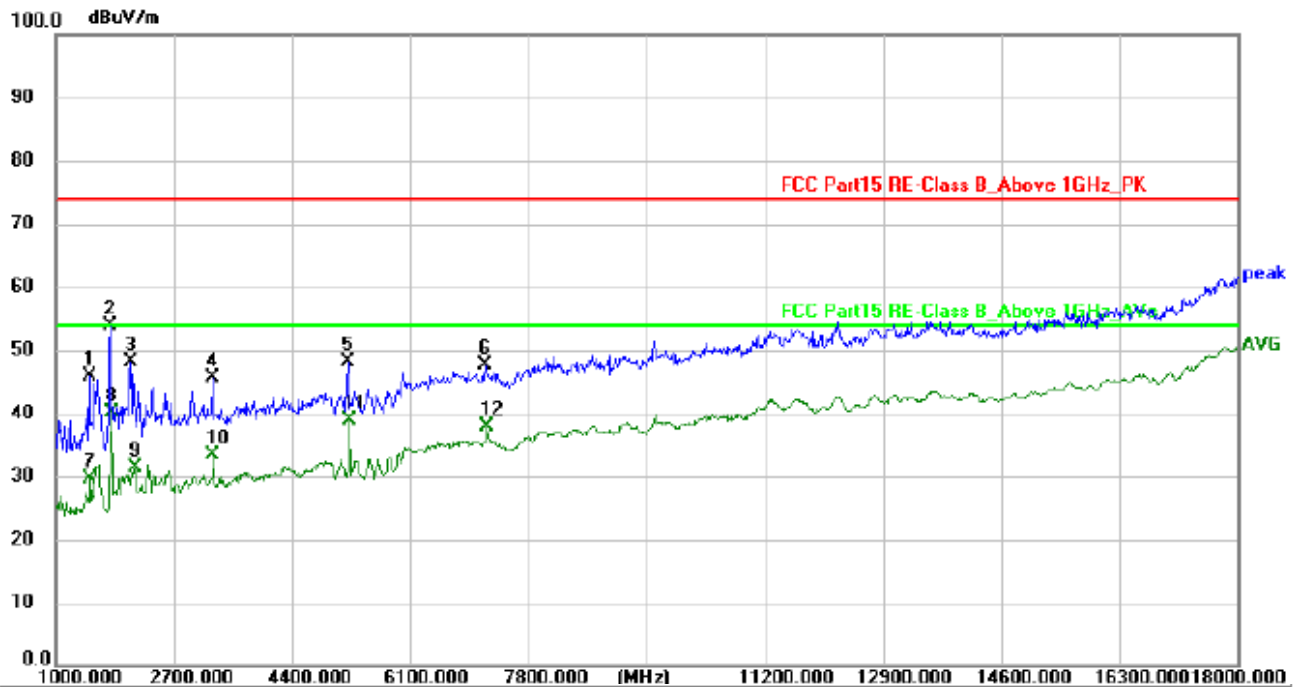
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1476.000	69.28	-19.81	49.47	74.00	-24.53	peak	150	0	P	
2	1765.000	64.79	-19.51	45.28	74.00	-28.72	peak	150	0	P	
3	2649.000	57.43	-14.41	43.02	74.00	-30.98	peak	150	0	P	
4	3244.000	58.06	-11.77	46.29	74.00	-27.71	peak	150	0	P	
5	5199.000	53.71	-4.74	48.97	74.00	-25.03	peak	150	0	P	
6	9602.000	46.98	4.38	51.36	74.00	-22.64	peak	150	0	P	
7	1493.000	50.95	-19.81	31.14	54.00	-22.86	AVG	150	0	P	
8	1816.000	47.48	-19.28	28.20	54.00	-25.80	AVG	150	0	P	
9	2632.000	45.26	-14.44	30.82	54.00	-23.18	AVG	150	0	P	
10	3261.000	45.13	-11.78	33.35	54.00	-20.65	AVG	150	0	P	
11	5233.000	43.32	-4.67	38.65	54.00	-15.35	AVG	150	0	P	
12 *	9619.000	35.29	4.41	39.70	54.00	-14.30	AVG	150	0	P	

802.11 ac-HT40, ANT Polarization: Vertical



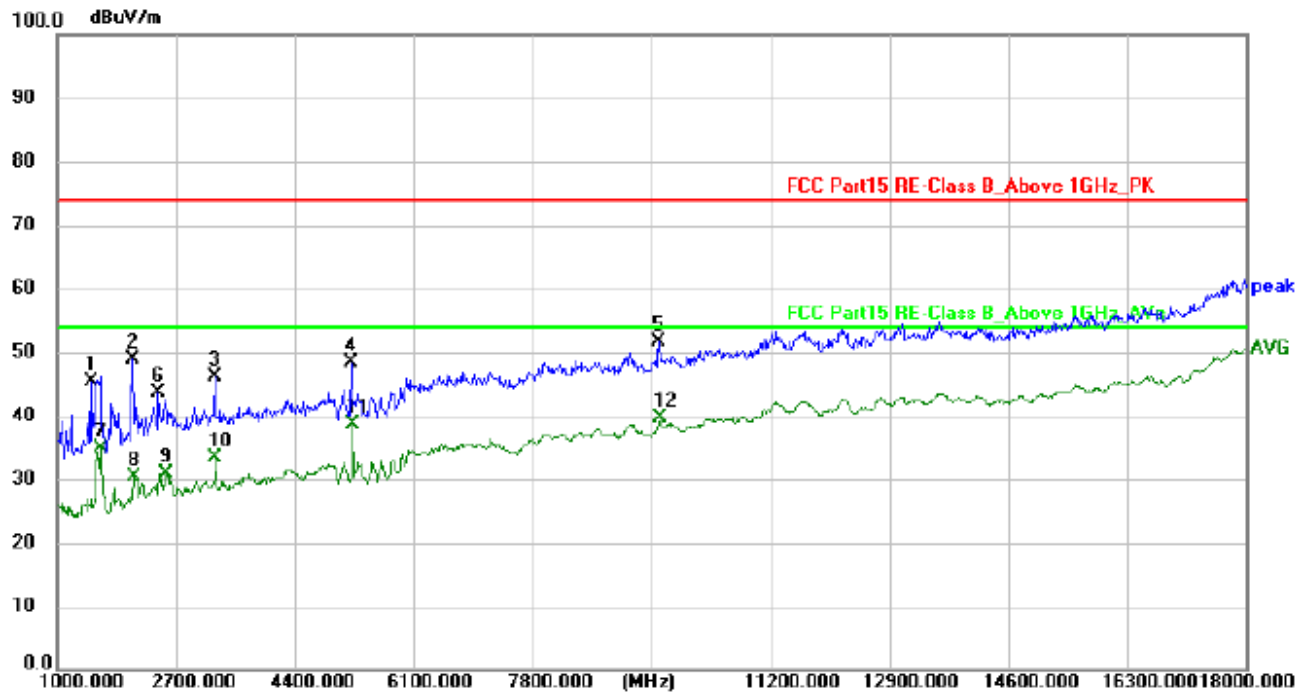
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1476.000	67.41	-19.81	47.60	74.00	-26.40	peak	150	0	P	
2	2071.000	70.10	-16.94	53.16	74.00	-20.84	peak	150	0	P	
3	3244.000	57.32	-11.77	45.55	74.00	-28.45	peak	150	0	P	
4	5216.000	53.03	-4.71	48.32	74.00	-25.68	peak	150	0	P	
5	9602.000	47.27	4.38	51.65	74.00	-22.35	peak	150	0	P	
6	1204.000	61.92	-20.31	41.61	74.00	-32.39	peak	150	0	P	
7	1102.000	46.46	-20.75	25.71	54.00	-28.29	AVG	150	0	P	
8	1578.000	51.40	-19.83	31.57	54.00	-22.43	AVG	150	0	P	
9	2122.000	48.48	-16.71	31.77	54.00	-22.23	AVG	150	0	P	
10	3261.000	45.20	-11.78	33.42	54.00	-20.58	AVG	150	0	P	
11	5233.000	43.54	-4.67	38.87	54.00	-15.13	AVG	150	0	P	
12 *	9619.000	35.31	4.41	39.72	54.00	-14.28	AVG	150	0	P	

802.11 ac-HT80, ANT Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1476.000	65.77	-19.81	45.96	74.00	-28.04	peak	150	360	P	
2	1782.000	73.46	-19.48	53.98	74.00	-20.02	peak	150	360	P	
3	2071.000	65.10	-16.94	48.16	74.00	-25.84	peak	150	360	P	
4	3244.000	57.40	-11.77	45.63	74.00	-28.37	peak	150	360	P	
5	5199.000	52.98	-4.74	48.24	74.00	-25.76	peak	150	360	P	
6	7171.000	47.92	-0.27	47.65	74.00	-26.35	peak	150	360	P	
7	1493.000	49.36	-19.81	29.55	54.00	-24.45	AVG	150	360	P	
8 *	1799.000	59.68	-19.45	40.23	54.00	-13.77	AVG	150	360	P	
9	2139.000	48.00	-16.64	31.36	54.00	-22.64	AVG	150	360	P	
10	3261.000	45.11	-11.78	33.33	54.00	-20.67	AVG	150	360	P	
11	5233.000	43.46	-4.67	38.79	54.00	-15.21	AVG	150	360	P	
12	7205.000	38.10	-0.28	37.82	54.00	-16.18	AVG	150	360	P	

802.11 ac-HT80, ANT Polarization: Vertical

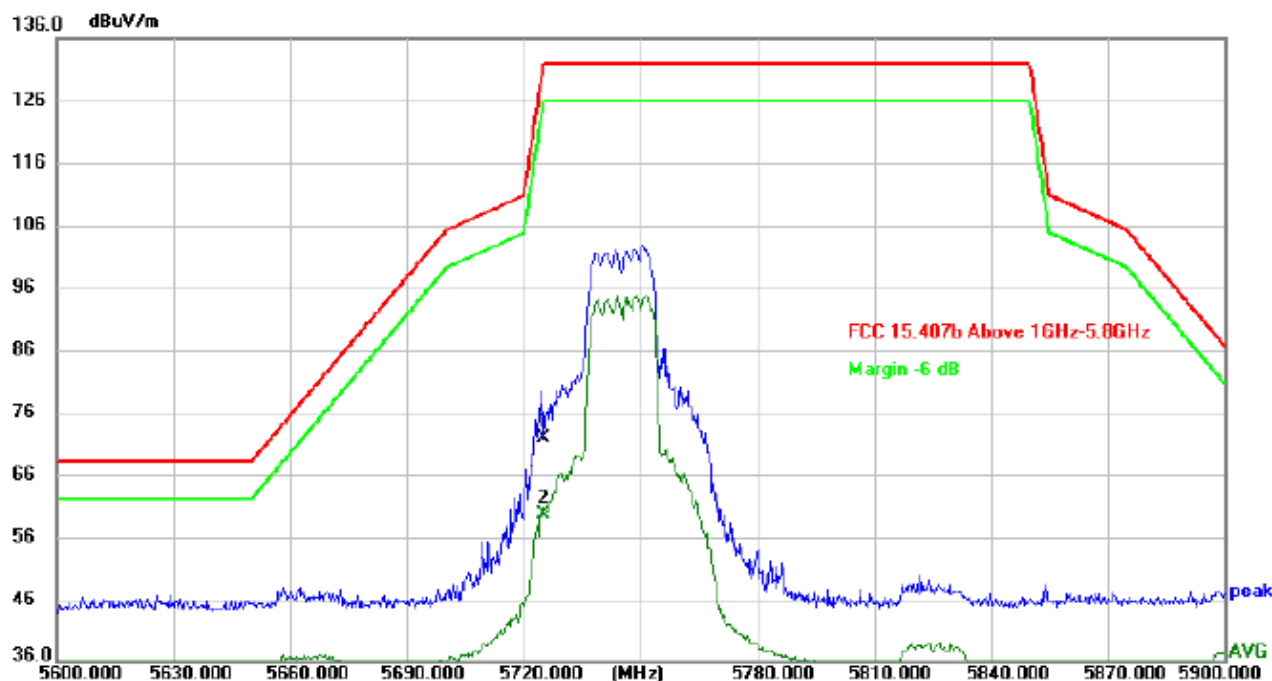


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1476.000	65.21	-19.81	45.40	74.00	-28.60	peak	150	360	P	
2	2071.000	65.91	-16.94	48.97	74.00	-25.03	peak	150	360	P	
3	3244.000	57.78	-11.77	46.01	74.00	-27.99	peak	150	360	P	
4	5199.000	53.04	-4.74	48.30	74.00	-25.70	peak	150	360	P	
5	9602.000	47.31	4.38	51.69	74.00	-22.31	peak	150	360	P	
6	2445.000	59.08	-15.55	43.53	74.00	-30.47	peak	150	360	P	
7	1612.000	54.76	-19.80	34.96	54.00	-19.04	AVG	150	360	P	
8	2088.000	47.16	-16.86	30.30	54.00	-23.70	AVG	150	360	P	
9	2547.000	45.68	-14.87	30.81	54.00	-23.19	AVG	150	360	P	
10	3261.000	45.28	-11.78	33.50	54.00	-20.50	AVG	150	360	P	
11	5233.000	43.36	-4.67	38.69	54.00	-15.31	AVG	150	360	P	
12 *	9619.000	35.18	4.41	39.59	54.00	-14.41	AVG	150	360	P	

Appendix D.7: Test Results of Radiated Emissions in Restricted Bands

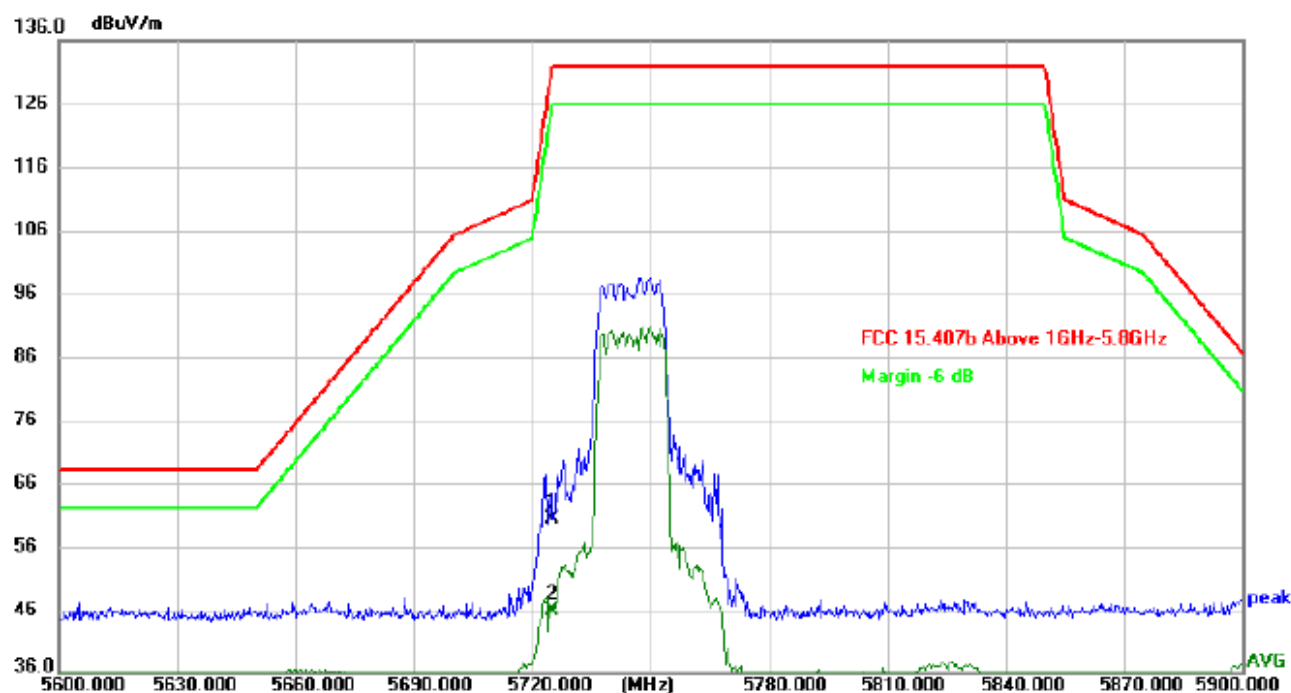
Note: This testing was carried out on different modulations and channels, but only the worst case was presented in this report.

802.11 a 5745MHz, ANT Polarization: Horizontal



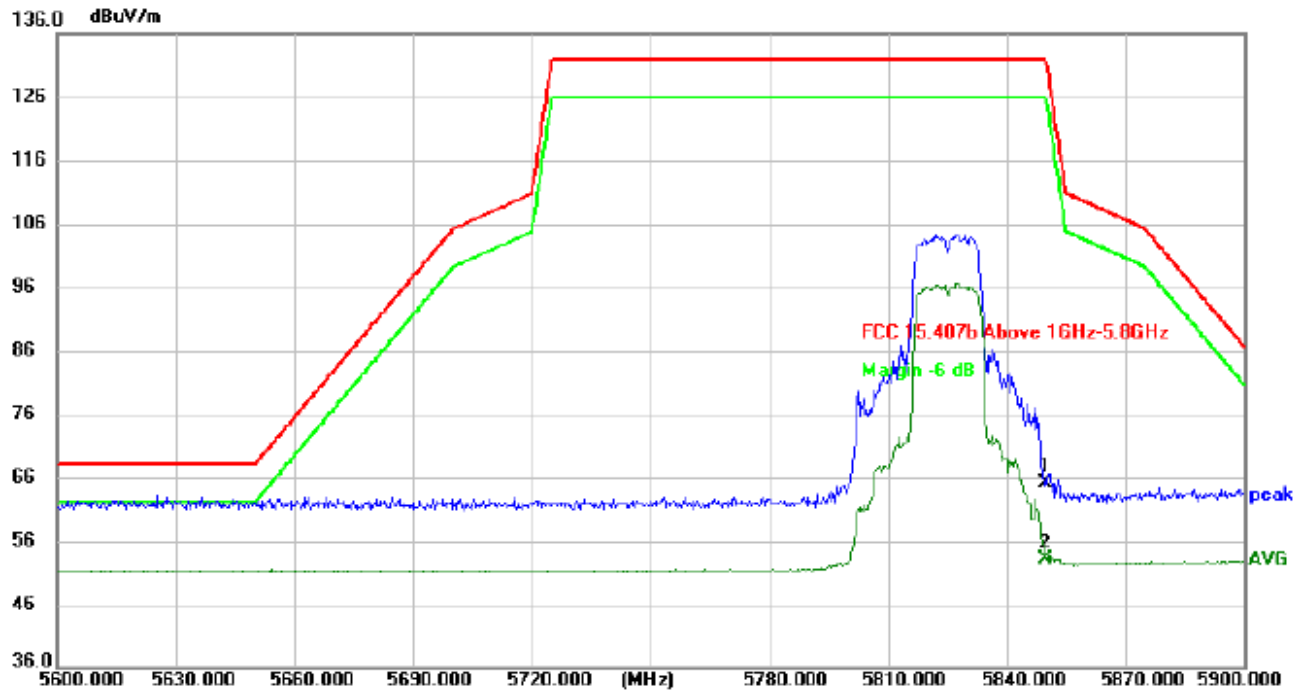
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5725.000	75.76	-3.88	71.88	132.00	-60.12	peak			P	
2	5725.000	63.49	-3.88	59.61	132.00	-72.39	AVG			P	

802.11 a 5745MHz, ANT Polarization: Vertical



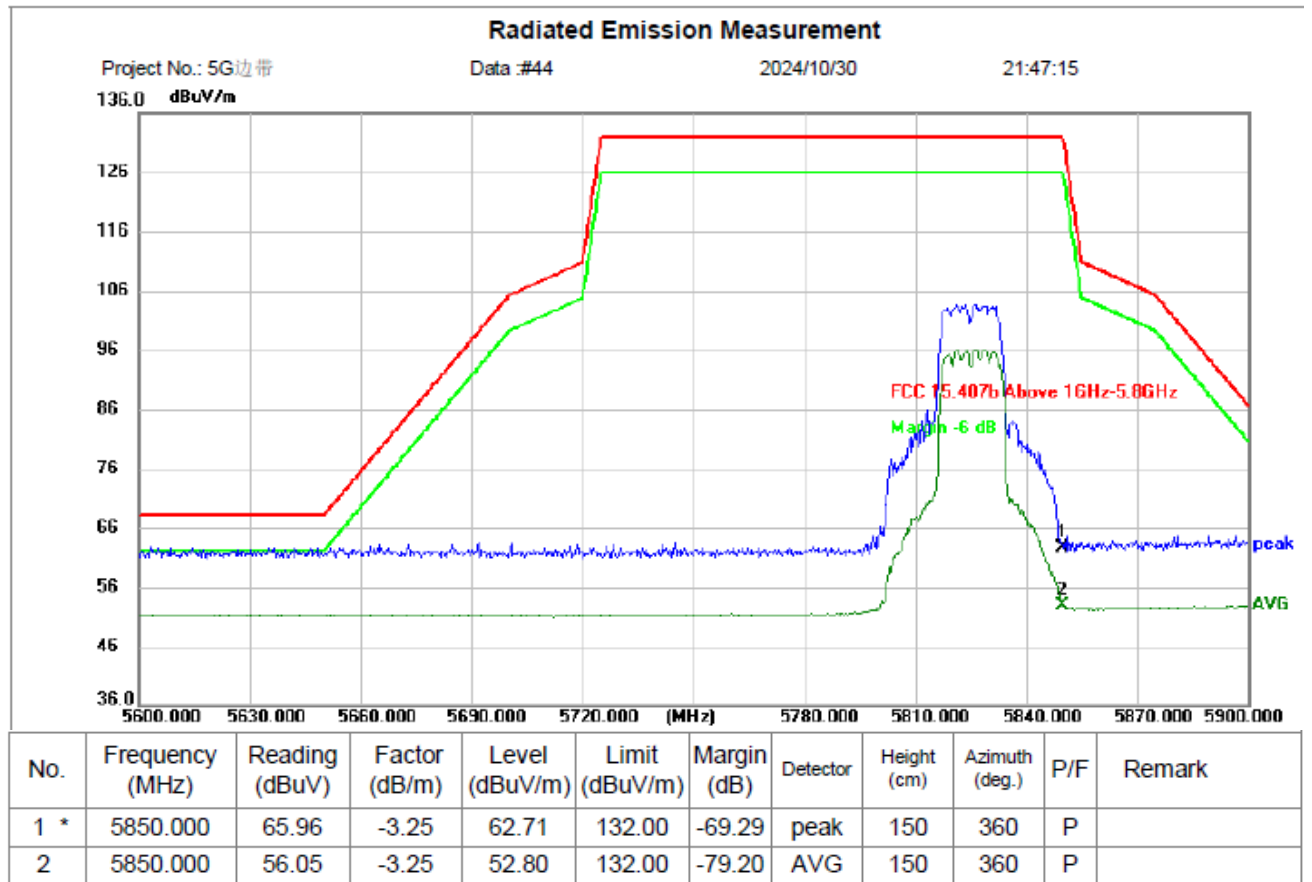
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5725.000	64.22	-3.88	60.34	132.00	-71.66	peak	150	360	P	
2	5725.000	49.83	-3.88	45.95	132.00	-86.05	AVG	150	360	P	

802.11 a 5825MHz, ANT Polarization: Horizontal

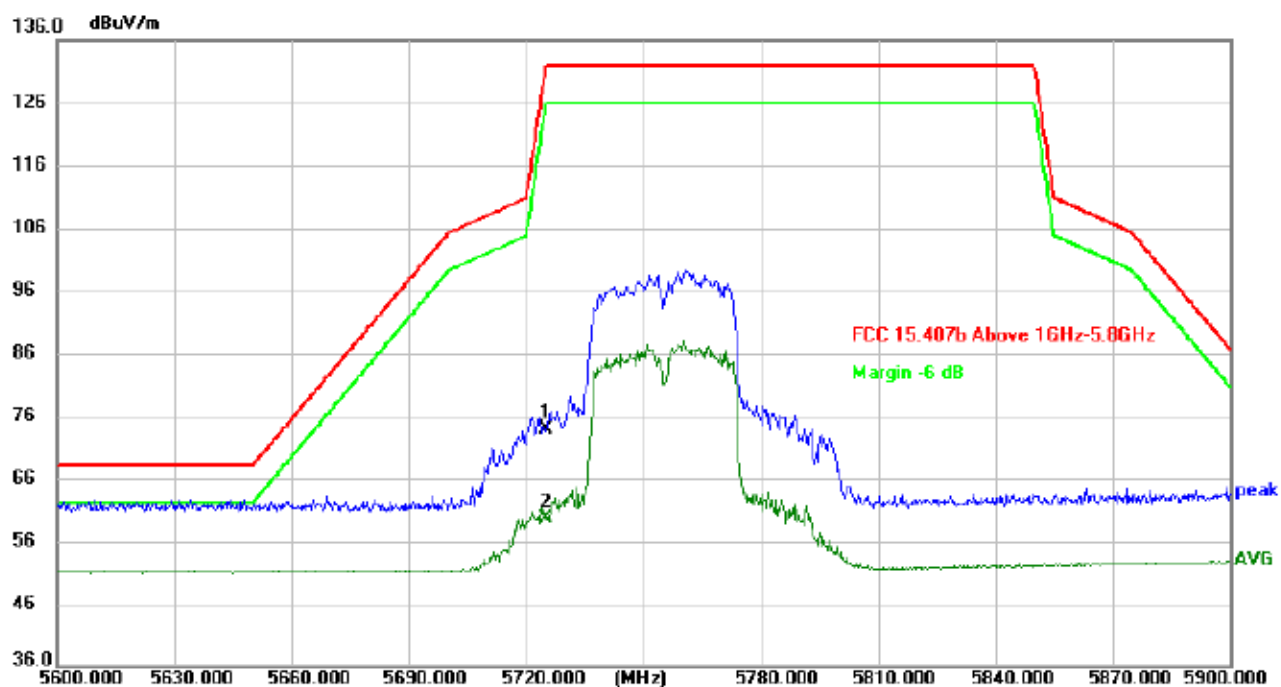


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5850.000	68.39	-3.25	65.14	132.00	-66.86	peak	150	0	P	
2	5850.000	56.31	-3.25	53.06	132.00	-78.94	AVG	150	0	P	

802.11 a 5825MHz, ANT Polarization: Vertical

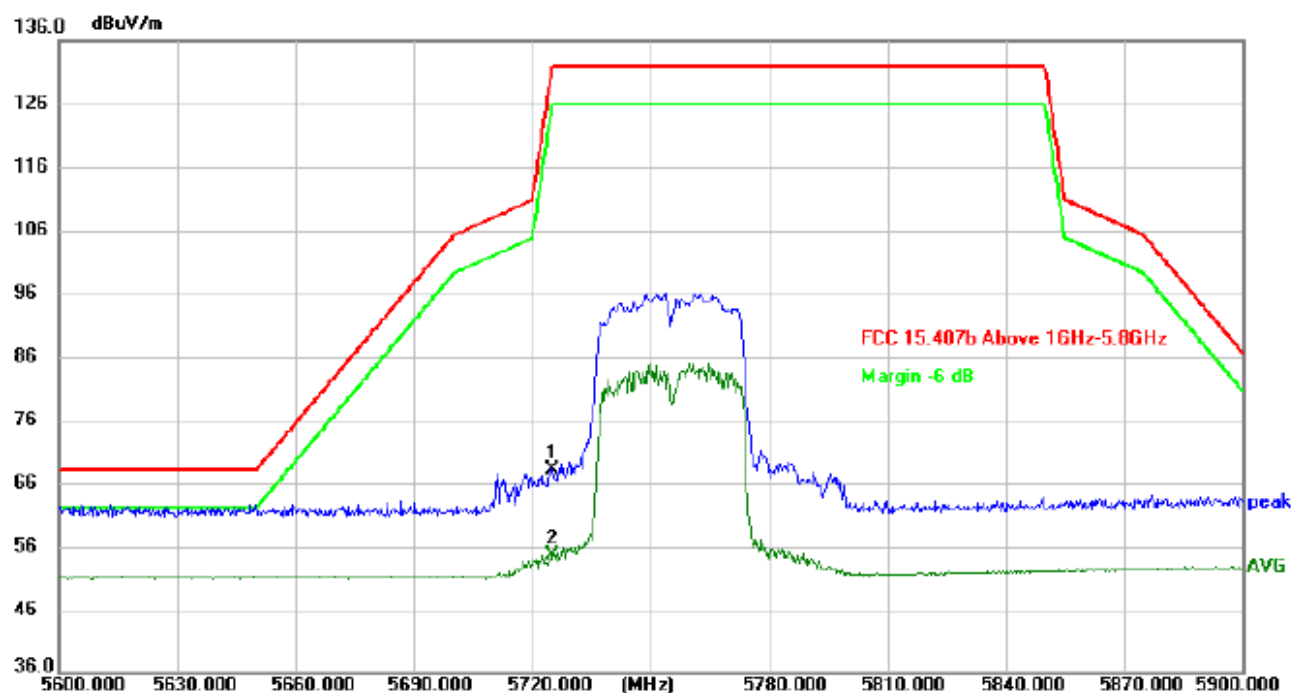


802.11 ac-HT40 5755MHz, ANT Polarization: Horizontal



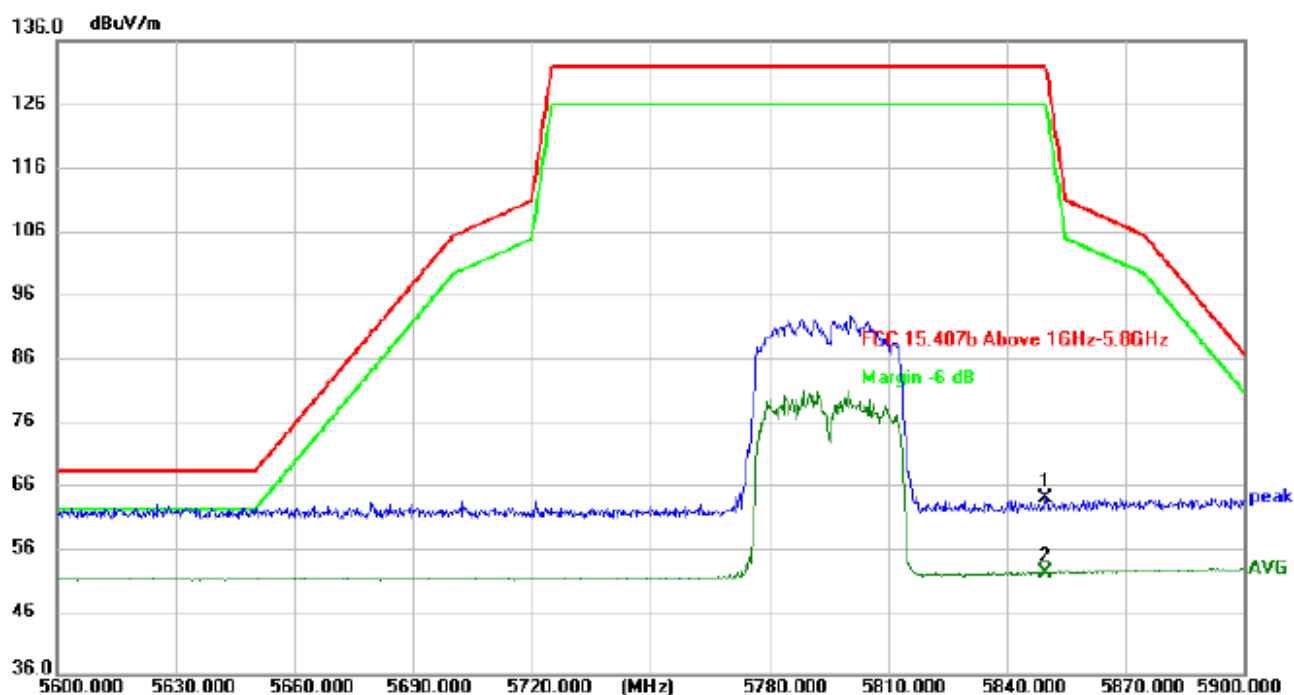
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5725.000	77.75	-3.88	73.87	132.00	-58.13	peak	150	0	P	
2	5725.000	63.63	-3.88	59.75	132.00	-72.25	AVG	150	0	P	

802.11 ac-HT40 5755MHz, ANT Polarization: Vertical



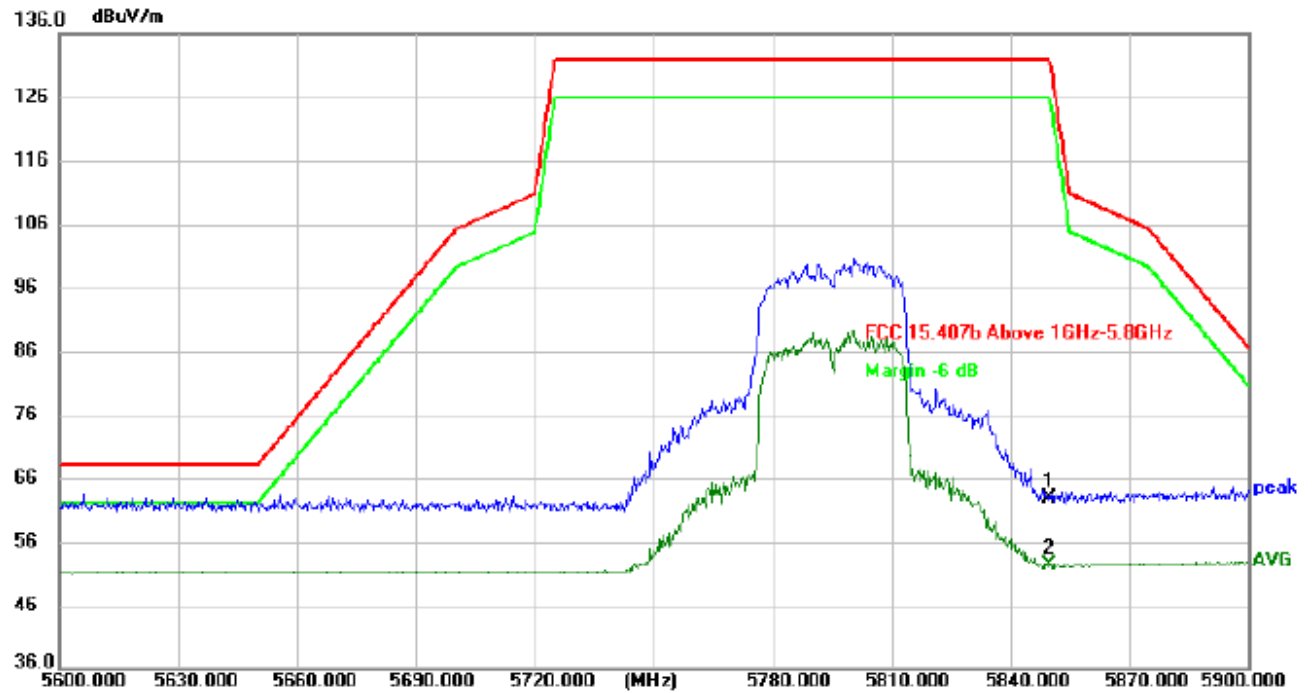
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5725.000	71.92	-3.88	68.04	132.00	-63.96	peak	150	360	P	
2	5725.000	58.59	-3.88	54.71	132.00	-77.29	AVG	150	360	P	

802.11 ac-HT40 5795MHz, ANT Polarization: Horizontal



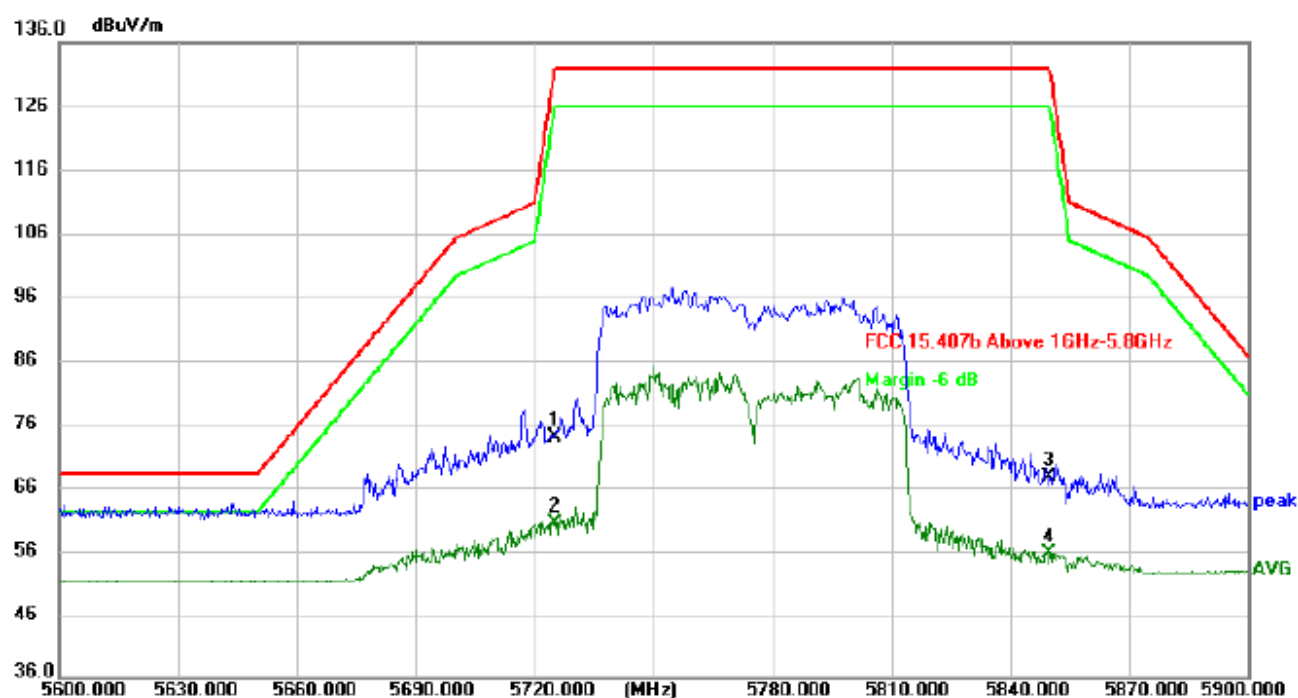
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5850.000	67.08	-3.25	63.83	132.00	-68.17	peak	150	360	P	
2	5850.000	55.34	-3.25	52.09	132.00	-79.91	AVG	150	360	P	

802.11 ac-HT40 5795MHz, ANT Polarization: Vertical



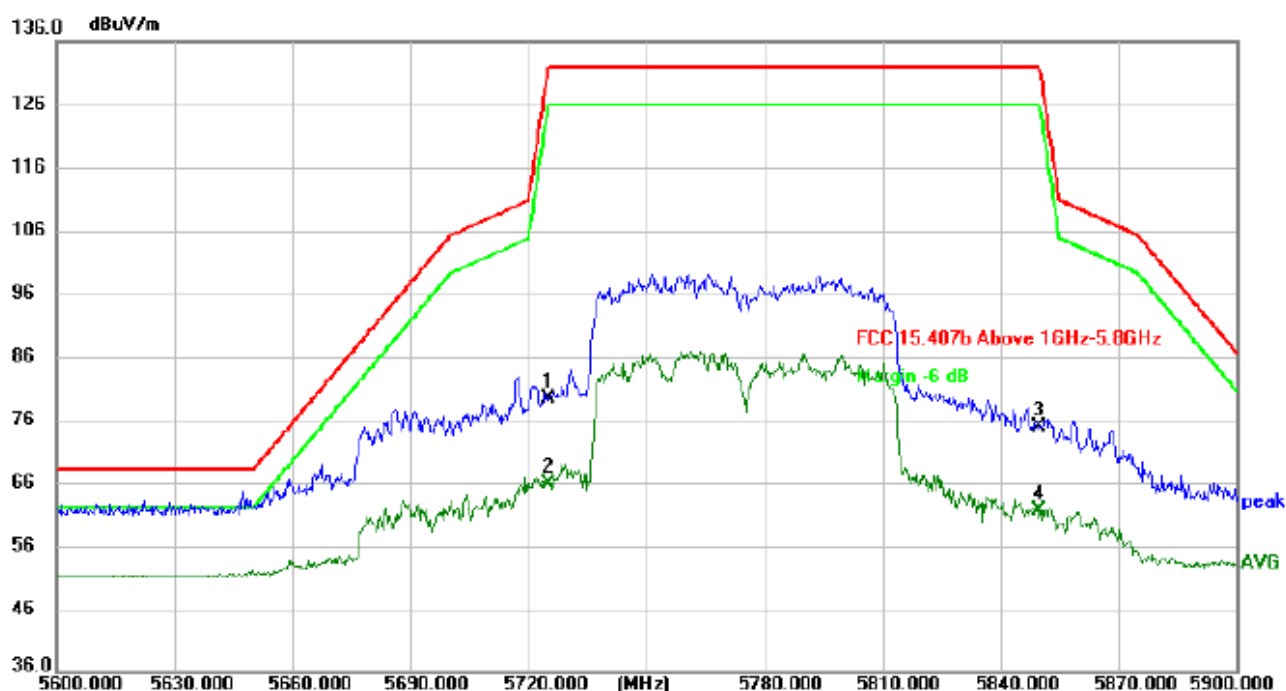
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5850.000	66.06	-3.25	62.81	132.00	-69.19	peak			P	
2	5850.000	55.56	-3.25	52.31	132.00	-79.69	AVG			P	

802.11 ac-HT80 5775MHz, ANT Polarization: Horizontal



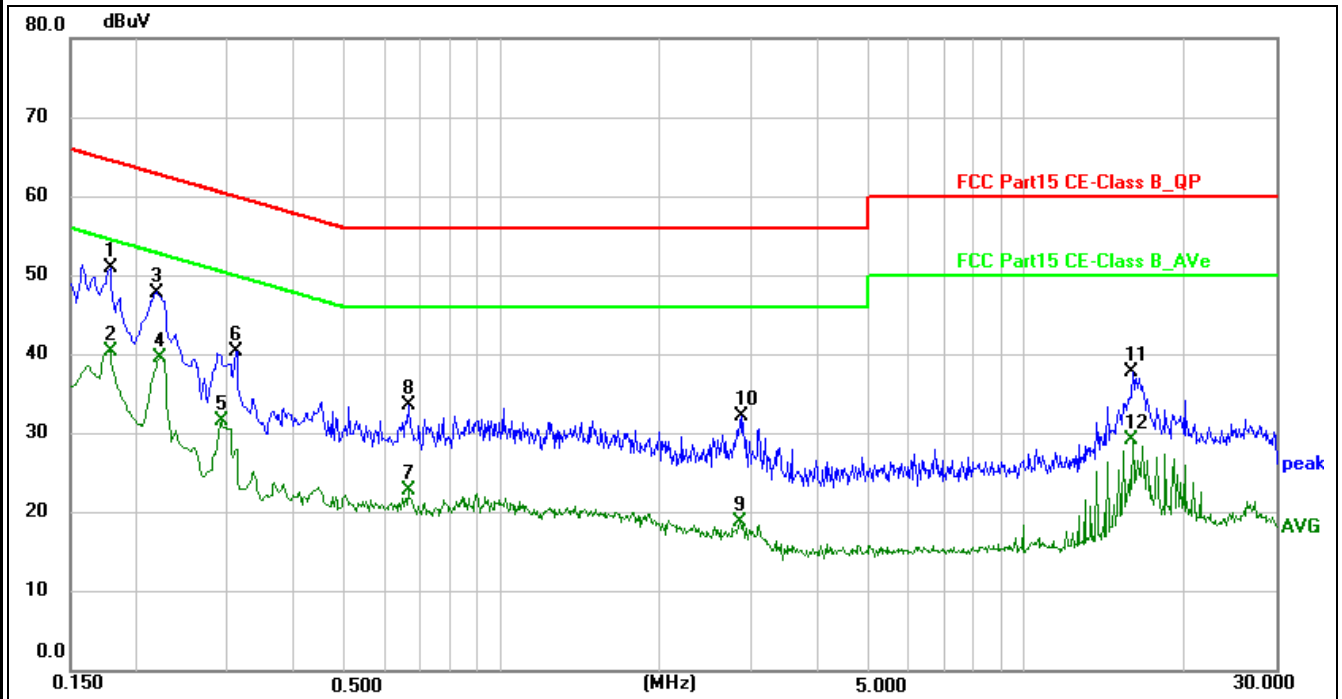
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5725.000	77.77	-3.88	73.89	132.00	-58.11	peak	150	360	P	
2	5725.000	64.34	-3.88	60.46	132.00	-71.54	AVG	150	360	P	
3	5850.000	70.98	-3.25	67.73	132.00	-64.27	peak	150	360	P	
4	5850.000	58.89	-3.25	55.64	132.00	-76.36	AVG	150	360	P	

802.11 ac-HT80 5775MHz, ANT Polarization: Vertical



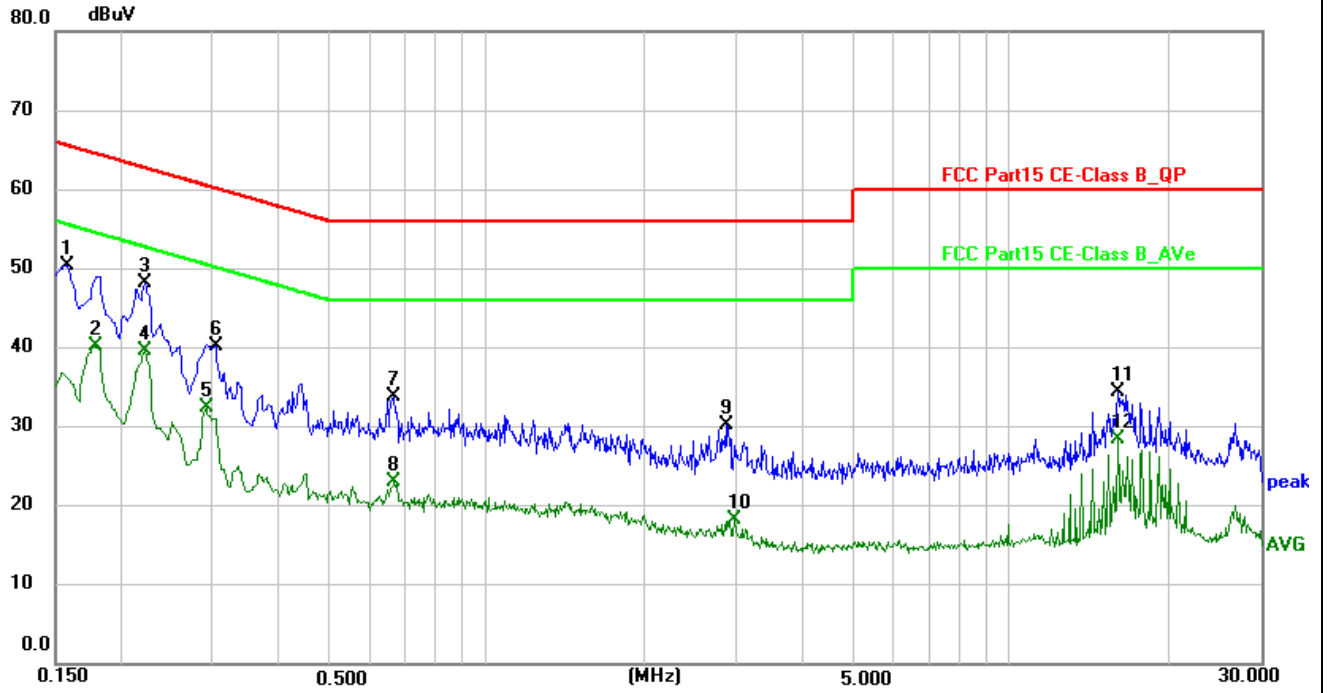
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5725.000	83.22	-3.88	79.34	132.00	-52.66	peak	150	0	P	
2	5725.000	69.83	-3.88	65.95	132.00	-66.05	AVG	150	0	P	
3	5850.000	78.06	-3.25	74.81	132.00	-57.19	peak	150	0	P	
4	5850.000	64.78	-3.25	61.53	132.00	-70.47	AVG	150	0	P	

Appendix D.8: Test Plots of Conducted Emission on AC Mains



Site:		Phase:N	Temperature(C):22(C)
Limit:	FCC Part15 CE-Class B_QP		Humidity(%):51%
EUT:	Portable Recording and Broadcasting Host	Test Time:	2024/8/2 10:06:07
M/N.:	WX-AX60	Power Rating:	AC120V/60Hz
Mode:	On, Wireless link	Test Engineer:	Neou

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	31.65	19.33	50.98	64.58	-13.60	peak
2	0.1780	21.13	19.33	40.46	54.58	-14.12	AVG
3	0.2180	28.55	19.33	47.88	62.89	-15.01	peak
4 *	0.2220	20.32	19.33	39.65	52.74	-13.09	AVG
5	0.2900	12.27	19.37	31.64	50.52	-18.88	AVG
6	0.3100	20.96	19.37	40.33	59.97	-19.64	peak
7	0.6620	3.36	19.39	22.75	46.00	-23.25	AVG
8	0.6660	14.30	19.39	33.69	56.00	-22.31	peak
9	2.8460	-0.68	19.45	18.77	46.00	-27.23	AVG
10	2.8580	12.80	19.45	32.25	56.00	-23.75	peak
11	16.0459	18.16	19.57	37.73	60.00	-22.27	peak
12	16.0459	9.67	19.57	29.24	50.00	-20.76	AVG



Site:		Phase:N	Temperature(C):22(C)
Limit:	FCC Part15 CE-Class B_QP		Humidity(%):51%
EUT:	Portable Recording and Broadcasting Host	Test Time:	2024/8/2 10:06:07
M/N.:	WX-AX60	Power Rating:	AC120V/60Hz
Mode:	On, Wireless link	Test Engineer:	Neou

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1580	31.09	19.32	50.41	65.57	-15.16	peak
2	0.1780	20.86	19.32	40.18	54.58	-14.40	AVG
3	0.2220	28.84	19.32	48.16	62.74	-14.58	peak
4 *	0.2220	20.24	19.32	39.56	52.74	-13.18	AVG
5	0.2900	13.07	19.33	32.40	50.52	-18.12	AVG
6	0.3020	20.83	19.33	40.16	60.19	-20.03	peak
7	0.6660	14.50	19.39	33.89	56.00	-22.11	peak
8	0.6660	3.71	19.39	23.10	46.00	-22.90	AVG
9	2.8620	10.72	19.43	30.15	56.00	-25.85	peak
10	2.9700	-1.16	19.43	18.27	46.00	-27.73	AVG
11	16.0500	14.87	19.59	34.46	60.00	-25.54	peak
12	16.0500	8.81	19.59	28.40	50.00	-21.60	AVG