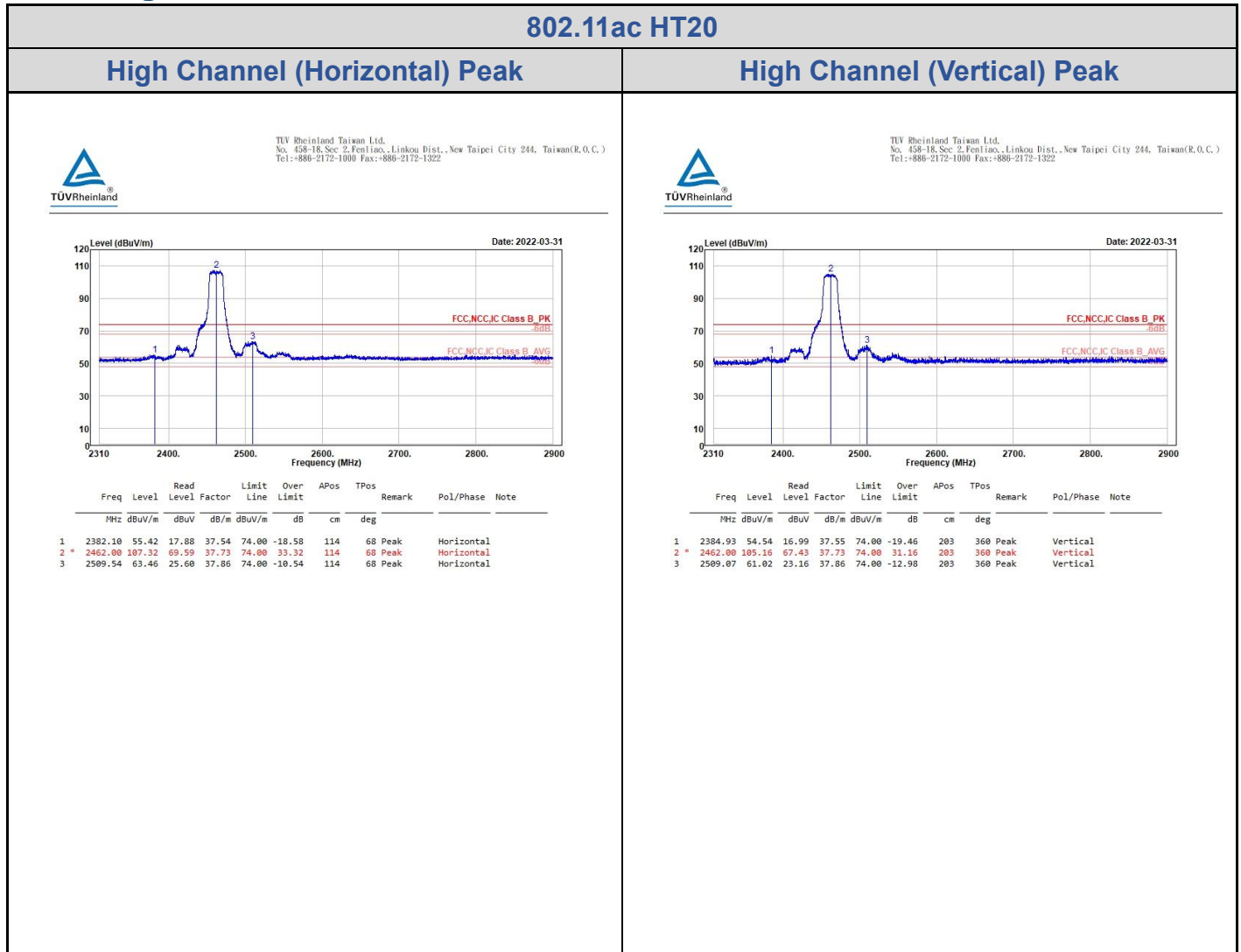


Appendix D: Test Results of Radiated Spurious Emissions & Mains

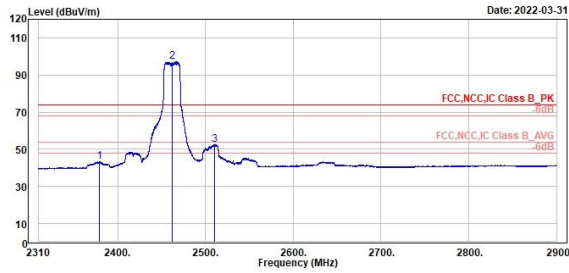
Radiated Emission Test (POE with 1T1R Mode)

Band Edges, 2.31GHz ~ 2.9GHz



802.11ac HT20
High Channel (Horizontal) Average
High Channel (Vertical) Average

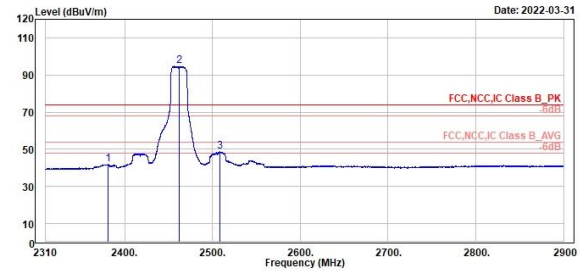

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1	2	3									
MHz	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
2379.27	43.27	5.74	37.53	54.00	-10.73	114	68	Average	Horizontal		
2462.00	97.22	59.49	37.73	54.00	43.22	114	68	Average	Horizontal		
2518.25	52.29	14.43	37.86	54.00	-1.71	114	68	Average	Horizontal		



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1	2	3									
MHz	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
2381.15	41.76	4.23	37.53	54.00	-12.24	283	360	Average	Vertical		
2462.00	94.92	57.19	37.73	54.00	40.92	283	360	Average	Vertical		
2508.83	48.75	10.89	37.86	54.00	-5.25	283	360	Average	Vertical		

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

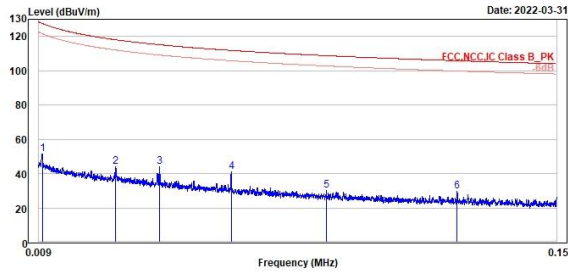
802.11ac HT20

High Channel(Open) 9kHz~150kHz

High Channel(Open) 150kHz~30MHz



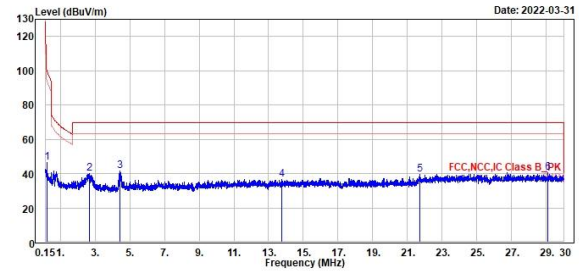
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.01	51.53	33.82	17.71	127.58	-76.05	100	141 QP	Open
2	0.03	43.86	24.35	19.51	118.05	-74.19	100	300 QP	Open
3	0.04	44.10	24.71	19.39	115.14	-71.04	100	65 QP	Open
4	0.06	40.79	21.73	19.06	111.82	-71.03	100	2 QP	Open
5	0.09	30.03	11.54	18.49	108.77	-78.74	100	184 QP	Open
6	0.12	29.44	11.14	18.30	105.00	-76.36	100	67 QP	Open



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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.24	46.30	27.57	18.73	99.01	-53.61	100	281 QP	Open
2	2.67	39.81	20.32	19.49	69.50	-29.69	100	19 QP	Open
3	4.46	41.41	22.01	19.40	69.50	-28.09	100	11 QP	Open
4	13.75	36.38	14.62	21.76	69.50	-33.12	100	83 QP	Open
5	21.71	39.33	17.05	22.28	69.50	-30.17	100	9 QP	Open
6	29.00	40.63	16.62	22.61	69.50	-28.87	100	126 QP	Open

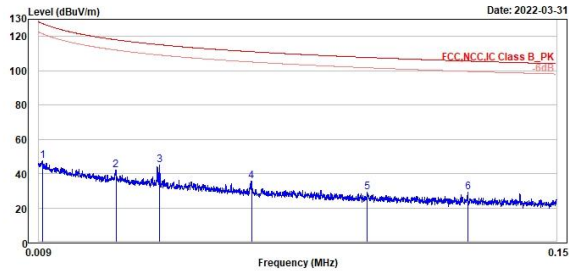
802.11ac HT20

High Channel(Close) 9kHz~150kHz

High Channel(Close) 150kHz~30MHz



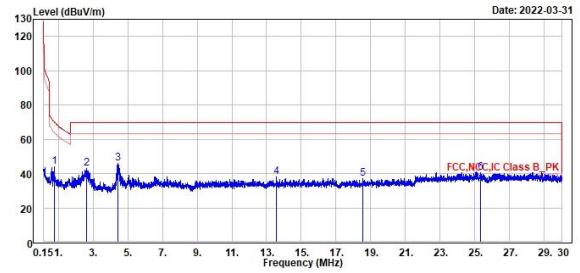
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.01	47.38	29.59	17.71	127.56	-88.26	100	238 QP	Close
2	0.03	42.08	22.57	19.51	118.03	-75.95	100	138 QP	Close
3	0.04	45.22	25.83	19.39	115.14	-69.92	100	326 QP	Close
4	0.07	35.69	16.75	18.94	111.08	-75.39	100	27 QP	Close
5	0.10	29.15	10.90	18.25	107.73	-78.58	100	137 QP	Close
6	0.13	29.28	10.97	18.31	105.00	-76.32	100	297 QP	Close

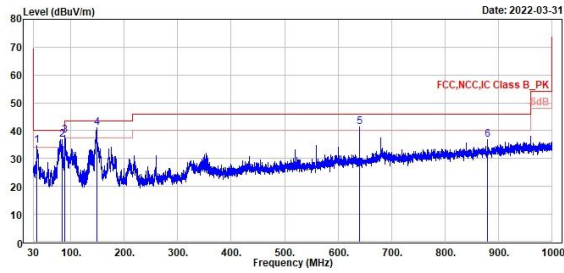


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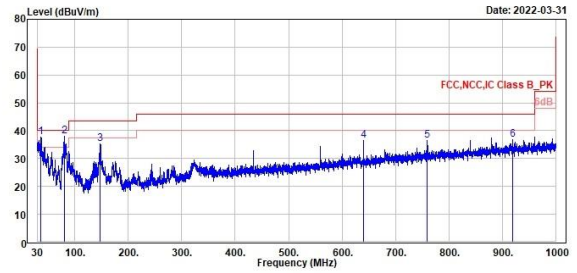


Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.76	44.02	24.00	19.12	69.97	-25.95	100	120 QP	Close
2	2.64	42.92	23.44	19.48	69.50	-26.58	100	134 QP	Close
3	4.46	45.86	26.46	19.40	69.50	-23.64	100	2 QP	Close
4	13.56	38.08	16.33	21.75	69.50	-31.42	100	289 QP	Close
5	18.53	36.97	14.87	22.10	69.50	-32.53	100	195 QP	Close
6	25.31	40.65	18.21	22.44	69.50	-28.85	100	174 QP	Close

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz
802.11ac HT20
High Channel(Horizontal)
High Channel(Vertical)

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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	36.11	34.68	41.40	-6.72	40.00	-5.32	146	360	QP	Horizontal
2	83.06	36.91	46.09	-11.18	40.00	-3.09	200	263	QP	Horizontal
3	88.88	38.23	50.67	-12.44	43.50	-5.27	200	284	QP	Horizontal
4	148.63	40.98	47.13	-6.15	43.50	-2.52	100	145	QP	Horizontal
5	640.03	41.31	40.83	0.48	46.00	-4.69	113	360	QP	Horizontal
6	800.01	36.93	32.60	4.25	46.00	-9.07	100	161	QP	Horizontal


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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	35.92	37.60	44.33	-6.73	40.00	-2.40	100	231	QP	Vertical
2	80.05	37.99	48.38	-10.39	40.00	-2.01	200	161	QP	Vertical
3	147.66	35.28	41.44	-6.16	43.50	-8.22	200	42	QP	Vertical
4	640.03	36.41	35.93	0.48	46.00	-9.59	178	360	QP	Vertical
5	760.02	36.63	33.96	2.67	46.00	-9.37	219	3	QP	Vertical
6	920.07	36.72	31.74	4.98	46.00	-9.28	100	360	QP	Vertical

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

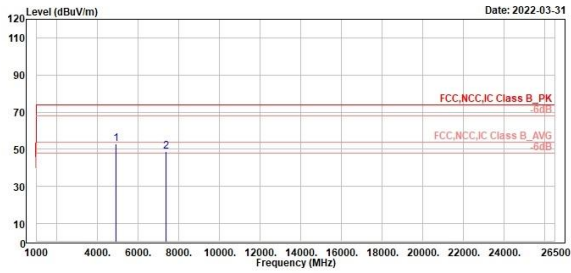
802.11ac HT20

High Channel(Horizontal)

High Channel(Vertical)



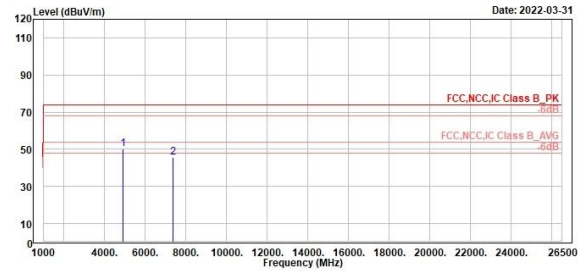
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4924.00	53.13	62.81	-9.68	74.00	-20.87	198	360 Peak	Horizontal	
2	7386.00	48.62	56.05	-7.43	74.00	-25.38	219	3 Peak	Horizontal	



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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4924.00	50.38	60.06	-9.68	74.00	-23.62	300	10 Peak	Vertical	
2	7386.00	45.56	52.99	-7.43	74.00	-28.44	180	334 Peak	Vertical	

Mains Conducted Emission, Tx Mode (POE) 150kHz ~ 30MHz

Worst Band

(Line)

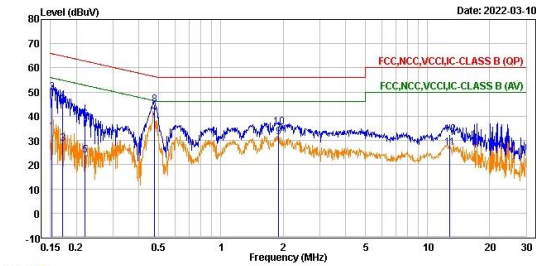
(Neutral)



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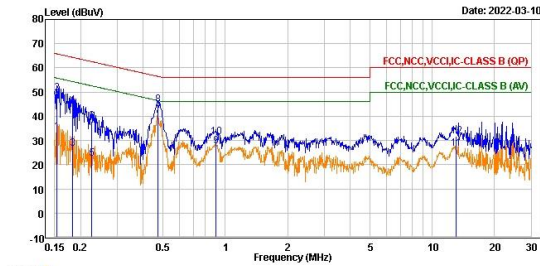


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Trace: 1

Line	Freq	Level	Read Level	Factor	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.15	33.55	23.86	9.69	55.88	-22.33	Average	line1	
2	0.15	49.95	40.26	9.69	65.88	-15.93	QP	line1	
3	0.17	28.76	19.07	9.69	54.88	-26.12	Average	line1	
4	0.17	46.51	36.82	9.69	64.88	-18.37	QP	line1	
5	0.22	24.01	14.33	9.68	52.81	-28.80	Average	line1	
6	0.22	38.54	28.86	9.68	62.81	-24.27	QP	line1	
7	0.48	39.34	29.66	9.68	46.40	-7.06	Average	line1	
8	0.48	44.60	34.92	9.68	56.40	-11.80	QP	line1	
9	1.91	31.44	21.72	9.72	46.00	-14.56	Average	line1	
10	1.91	35.46	25.74	9.72	56.00	-20.54	QP	line1	
11	12.79	27.07	17.25	9.82	50.00	-22.93	Average	line1	
12	12.79	32.30	22.48	9.82	60.00	-27.70	QP	line1	



Trace: 1

Line	Freq	Level	Read Level	Factor	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.15	33.54	23.87	9.67	55.79	-22.25	Average	neutral	
2	0.15	49.56	39.89	9.67	65.79	-16.23	QP	neutral	
3	0.18	26.79	17.13	9.66	54.34	-27.55	Average	neutral	
4	0.18	44.42	34.76	9.66	64.34	-19.92	QP	neutral	
5	0.23	22.56	12.90	9.66	52.56	-30.00	Average	neutral	
6	0.23	37.76	28.10	9.66	62.56	-24.80	QP	neutral	
7	0.47	40.28	30.62	9.66	46.44	-6.16	Average	neutral	
8	0.47	44.80	35.14	9.66	56.44	-11.64	QP	neutral	
9	0.90	27.79	18.13	9.66	46.00	-18.21	Average	neutral	
10	0.90	31.45	21.79	9.66	56.00	-24.55	QP	neutral	
11	12.99	26.69	16.86	9.83	50.00	-23.31	Average	neutral	
12	12.99	31.71	21.88	9.83	60.00	-28.29	QP	neutral	