

Appendix A: Test Results of Radiated Emissions & Mains Conducted

Emission Test

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

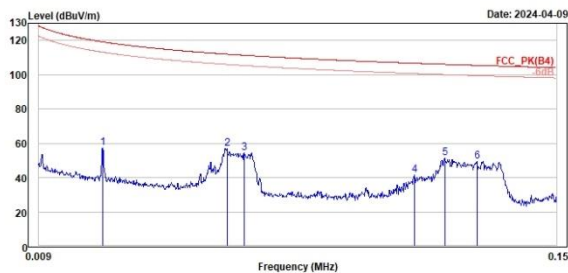
802.11ax HE20_5745MHz + 802.11g_2437MHz

9kHz~150kHz (Open)

150kHz~30MHz (Open)



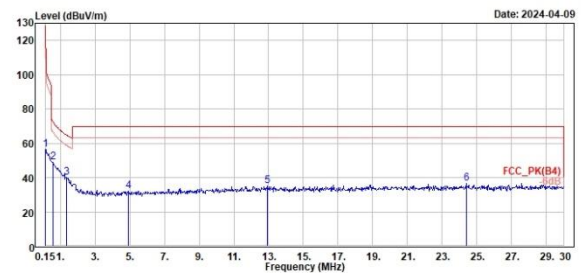
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.026	57.37	37.83	19.54	119.13	-61.76	100	294	Peak	Open	
2	0.060	56.73	37.44	19.29	111.98	-55.25	100	235	Peak	Open	
3	0.065	54.28	35.08	19.20	111.34	-57.06	100	260	Peak	Open	
4	0.111	41.35	22.82	18.53	106.67	-65.32	100	125	Peak	Open	
5	0.120	51.17	32.62	18.55	106.05	-54.88	100	254	Peak	Open	
6	0.128	49.26	30.69	18.57	105.43	-56.17	100	247	Peak	Open	



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.150	56.34	37.72	18.62	104.00	-47.74	100	246	Peak	Open	
2	0.568	49.11	30.02	19.09	72.49	-23.38	100	240	Peak	Open	
3	1.344	40.02	21.02	19.00	64.82	-24.80	100	95	Peak	Open	
4	4.926	32.30	12.82	19.48	69.50	-37.20	100	71	Peak	Open	
5	12.926	35.19	13.84	21.35	69.50	-34.31	100	286	Peak	Open	
6	24.388	36.69	14.36	22.33	69.50	-32.81	100	295	Peak	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

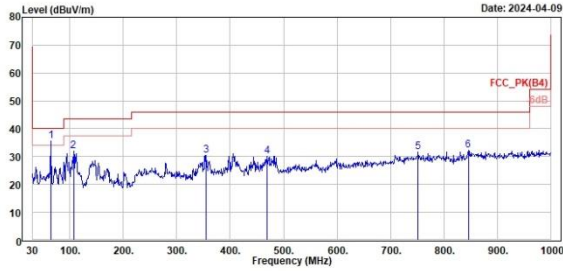
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Horizontal

Vertical



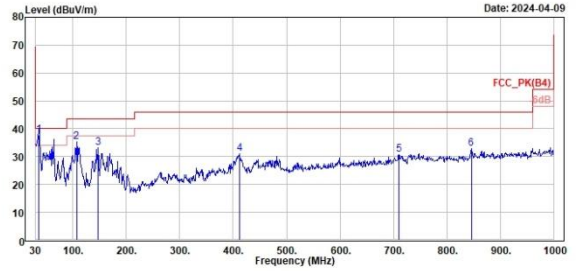
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	63.958	35.53	44.66	-9.13	48.00	-4.47	380	246 Peak	Horizontal
2	186.638	32.04	44.08	-12.04	43.50	-11.46	280	256 Peak	Horizontal
3	354.958	30.47	37.28	-6.81	46.00	-15.53	180	116 Peak	Horizontal
4	469.418	30.21	34.80	-4.59	46.00	-15.79	200	123 Peak	Horizontal
5	751.688	31.59	38.99	0.60	46.00	-14.41	100	296 Peak	Horizontal
6	845.778	32.31	38.88	1.43	46.00	-13.69	180	131 Peak	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	35.820	37.68	46.88	-9.20	48.00	-2.40	180	50 QP	Vertical
2	186.638	35.27	47.31	-12.04	43.50	-8.23	180	136 Peak	Vertical
3	147.370	33.06	41.48	-8.42	43.50	-10.44	180	236 Peak	Vertical
4	411.218	38.97	36.71	-5.74	46.00	-15.03	180	360 Peak	Vertical
5	789.970	38.88	31.17	-0.37	46.00	-15.20	184	8 Peak	Vertical
6	845.778	33.08	31.57	1.43	46.00	-13.00	180	95 Peak	Vertical

Spurious Emissions, Tx Mode, 1GHz ~ 40GHz

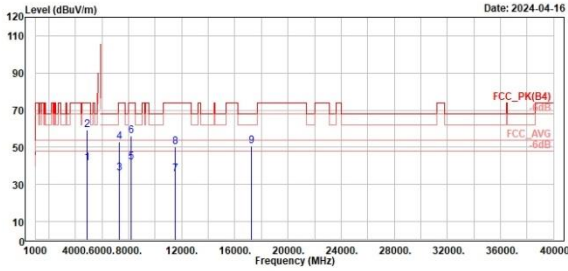
802.11ax HE20_5745MHz + 802.11g_2437MHz

(Horizontal) Peak

(Vertical) Peak



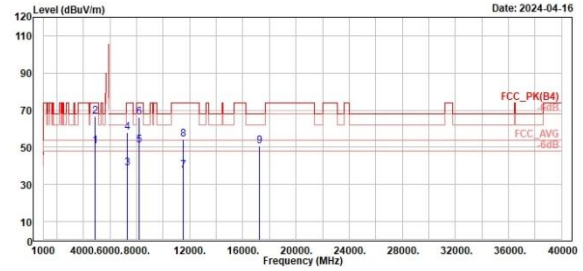
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4874.000	41.68	51.55	-9.87	54.00	-12.32	180	295 Average	Horizontal
2	4874.000	59.17	69.04	-9.87	74.00	-14.83	180	295 Peak	Horizontal
3	7311.000	35.88	43.71	-7.83	54.00	-18.12	361	360 Average	Horizontal
4	7311.000	53.09	60.92	-7.83	74.00	-20.91	361	360 Peak	Horizontal
5	8182.000	42.06	49.35	-7.29	54.00	-11.94	100	324 Average	Horizontal
6	8182.000	55.97	63.26	-7.29	74.00	-18.03	100	324 Peak	Horizontal
7	11490.000	35.56	37.68	-2.12	54.00	-18.44	113	228 Average	Horizontal
8	11490.000	50.20	52.32	-2.12	74.00	-23.80	113	228 Peak	Horizontal
9	17235.000	50.45	45.35	5.10	68.20	-17.75	400	130 Peak	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	4874.000	50.46	60.33	-9.87	54.00	-3.54	380	88 Average	Vertical
2	4874.000	66.73	76.60	-9.87	74.00	-7.27	380	88 Peak	Vertical
3	7311.000	38.73	46.56	-7.83	54.00	-15.27	247	59 Average	Vertical
4	7311.000	57.76	65.59	-7.83	74.00	-16.24	247	59 Peak	Vertical
5	8182.000	51.33	58.62	-7.29	54.00	-2.67	343	189 Average	Vertical
6	8182.000	66.11	73.40	-7.29	74.00	-7.09	343	189 Peak	Vertical
7	11490.000	37.47	39.59	-2.12	54.00	-16.53	396	360 Average	Vertical
8	11490.000	54.40	56.52	-2.12	74.00	-19.60	396	360 Peak	Vertical
9	17235.000	50.50	45.40	5.10	68.20	-17.70	400	208 Peak	Vertical

Mains Conducted Emission, 150kHz ~ 30MHz

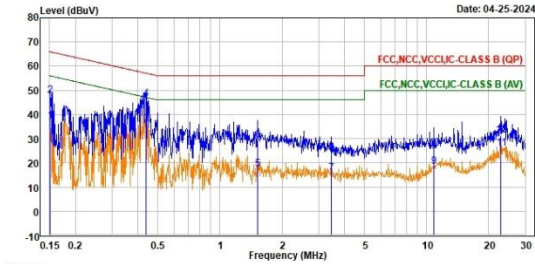
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(Line)

(Neutral)



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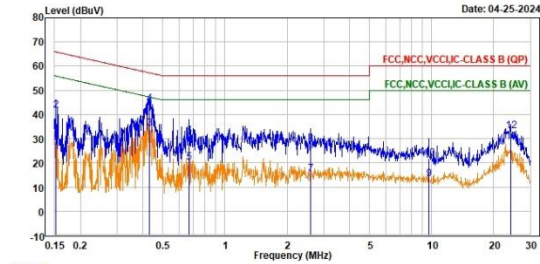


Trace: 1

Line	Freq	Level	Read Level	Factor	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.15	37.37	27.75	9.62	55.96	-18.59	Average	line1	
2	0.15	47.96	38.34	9.62	65.96	-18.00	QP	line1	
3	0.44	35.72	26.09	9.63	47.10	-11.38	Average	line1	
4	0.44	46.50	36.87	9.63	57.10	-10.60	QP	line1	
5	1.52	17.55	7.89	9.66	46.00	-28.45	Average	line1	
6	1.52	29.36	19.70	9.66	56.00	-26.64	QP	line1	
7	3.45	15.72	6.04	9.68	46.00	-30.28	Average	line1	
8	3.45	24.20	14.52	9.68	56.00	-31.80	QP	line1	
9	10.85	18.55	8.79	9.76	50.00	-31.45	Average	line1	
10	10.85	26.09	16.33	9.76	60.00	-33.91	QP	line1	
11	22.92	26.04	16.28	9.76	50.00	-23.96	Average	line1	
12	22.92	31.51	21.75	9.76	60.00	-28.49	QP	line1	



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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	26.22	16.60	9.62	55.92	-29.70	Average	neutral	
2	0.15	41.71	32.09	9.62	65.92	-24.21	QP	neutral	
3	0.43	34.13	24.50	9.63	47.22	-13.09	Average	neutral	
4	0.43	44.47	34.84	9.63	57.22	-12.75	QP	neutral	
5	0.67	20.18	10.55	9.63	46.00	-25.82	Average	neutral	
6	0.67	30.98	21.27	9.63	56.00	-25.10	QP	neutral	
7	2.61	15.48	5.81	9.67	46.00	-30.52	Average	neutral	
8	2.61	27.53	17.86	9.67	56.00	-28.47	QP	neutral	
9	9.68	13.14	3.35	9.79	50.00	-36.86	Average	neutral	
10	9.68	21.66	11.87	9.79	60.00	-38.34	QP	neutral	
11	24.09	28.84	18.97	9.87	50.00	-21.16	Average	neutral	
12	24.09	33.22	23.35	9.87	60.00	-26.78	QP	neutral	