

Appendix A: Test Results of Radiated Emissions & Mains Conducted Emission Test

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

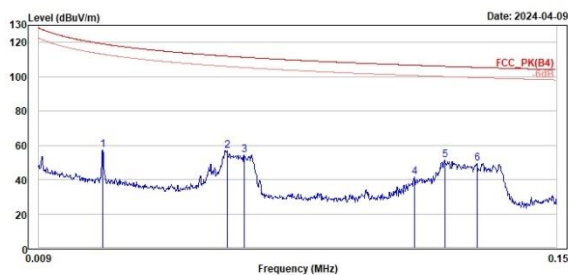
802.11ax HE20_5745MHz + 802.11g_2437MHz

9kHz~150kHz (Open)

150kHz~30MHz (Open)



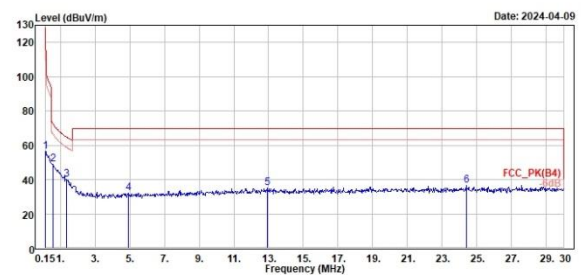
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.026	57.37	37.83	19.54	119.13	-61.76	100	294	Peak	Open	
2	0.060	56.73	37.44	19.29	111.98	-55.25	100	235	Peak	Open	
3	0.065	54.28	35.08	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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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.150	56.34	37.72	18.62	104.08	-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

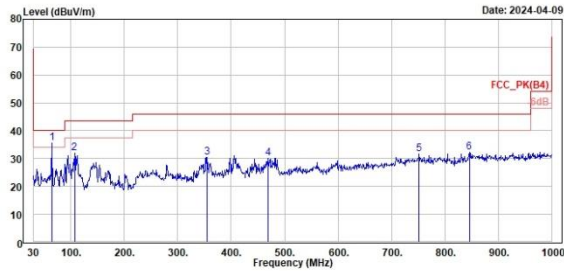
802.11ax HE20_5745MHz + 802.11g_2437MHz

Horizontal

Vertical



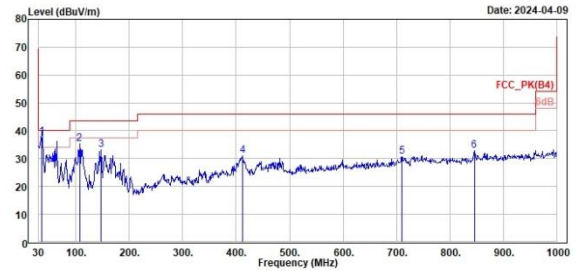
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	63.950	35.53	44.66	-9.13	40.00	-4.47	300	246	Peak	Horizontal		
2	106.630	32.04	44.08	-12.04	43.50	-11.46	200	256	Peak	Horizontal		
3	354.950	30.47	37.28	-6.81	46.00	-15.53	100	116	Peak	Horizontal		
4	469.410	30.21	34.80	-4.59	46.00	-15.79	200	123	Peak	Horizontal		
5	751.680	31.59	30.99	0.60	46.00	-14.41	100	296	Peak	Horizontal		
6	845.770	32.31	30.88	1.43	46.00	-13.69	100	131	Peak	Horizontal		



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	35.820	37.60	46.80	-9.20	40.00	-2.40	100	50	QP	Vertical		
2	106.630	35.27	47.31	-12.04	43.50	-8.23	100	136	Peak	Vertical		
3	147.370	33.06	41.48	-8.42	43.50	-10.44	100	236	Peak	Vertical		
4	411.210	30.97	36.71	-5.74	46.00	-15.03	100	360	Peak	Vertical		
5	709.970	30.80	31.17	-0.37	46.00	-15.20	100	184	Peak	Vertical		
6	845.770	33.00	31.57	1.43	46.00	-13.00	100	95	Peak	Vertical		

Spurious Emissions, Tx Mode, 1GHz ~ 40GHz

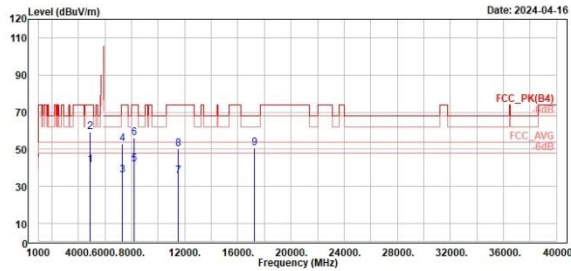
802.11ax HE20_5745MHz + 802.11g_2437MHz

(Horizontal) Peak

(Vertical) Peak



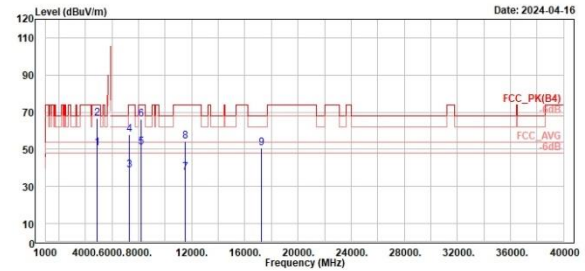
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4874.000	41.68	51.55	-9.87	54.00	-12.32	180	295	Average	Horizontal	
2	4874.000	59.17	69.04	-9.87	74.00	-14.83	180	295	Peak	Horizontal	
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	180	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	Level	Factor	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

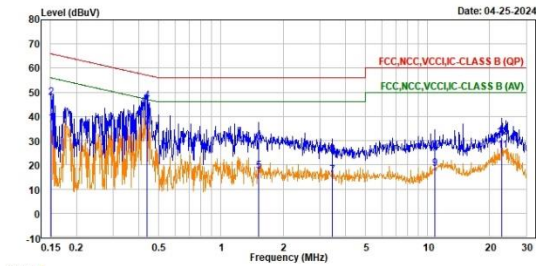
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(Line)

(Neutral)



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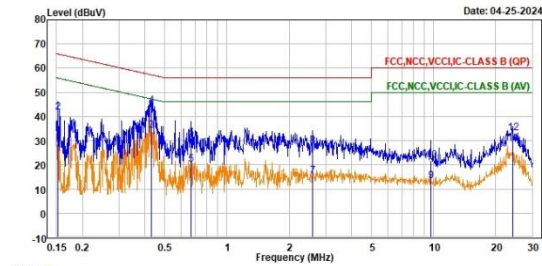


Trace: 1

	Freq	Level	Read	Limit	Over		
	MHz	dBuV	Level	Line	Limit	Remark	Pol/Phase
	MHz	dBuV	Factor	dB	dB		Note
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

	Freq	Level	Read	Limit	Over		
	MHz	dBuV	Level	Line	Limit	Remark	Pol/Phase
	MHz	dBuV	Factor	dB	dB		Note
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	30.90	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