

Appendix A: Test Results of Radiated Spurious Emissions & Conducted Emissions on a.c. mains port Test

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

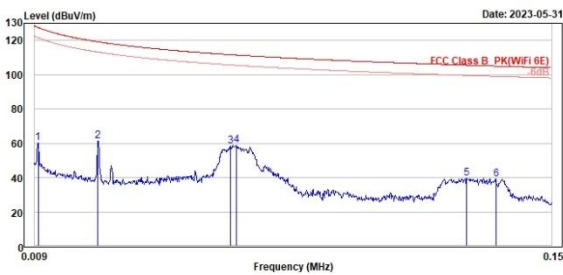
LE 2480 MHz, IEEE 802.11ax HE20 2412 MHz, IEEE 802.11a 5475 MHz
and IEEE 802.11ax HE20 5955 MHz

9kHz~150kHz (Open)

150kHz~30MHz (Open)



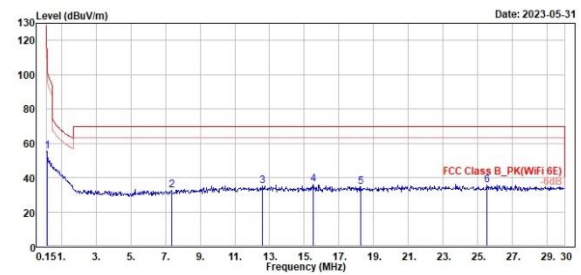
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.01	60.30	42.58	17.72	127.60	-67.30	100	257	Peak	Open	
2	0.03	61.44	42.50	18.94	119.18	-57.74	100	182	Peak	Open	
3	0.06	58.34	39.52	18.82	111.68	-53.34	100	207	Peak	Open	
4	0.06	59.04	40.26	18.78	111.45	-52.41	100	193	Peak	Open	
5	0.13	39.63	21.60	18.03	105.54	-65.91	100	222	Peak	Open	
6	0.13	39.12	21.06	18.06	105.01	-65.89	100	227	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	0.18	55.32	37.07	18.25	102.50	-47.18	100	228	Peak	Open	
2	7.34	32.58	12.18	20.40	69.50	-36.92	100	42	Peak	Open	
3	12.60	34.88	13.21	21.67	69.50	-34.62	100	72	Peak	Open	
4	15.49	35.98	14.12	21.86	69.50	-33.52	100	142	Peak	Open	
5	18.24	34.84	12.79	22.05	69.50	-34.66	100	61	Peak	Open	
6	25.52	35.50	13.30	22.20	69.50	-34.00	100	347	Peak	Open	

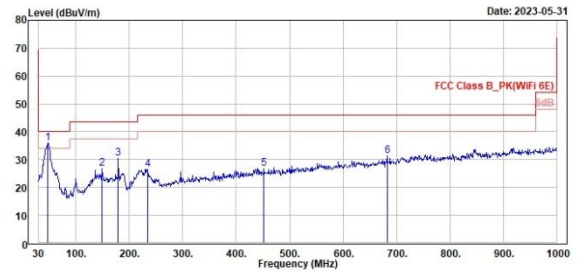
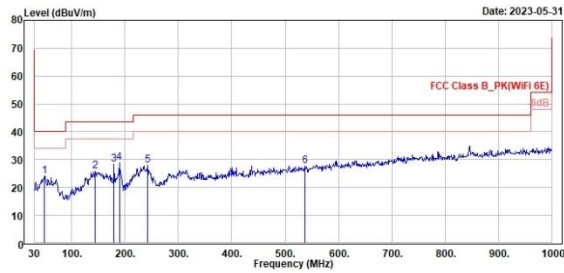
Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

**LE 2480 MHz, IEEE 802.11ax HE20 2412 MHz, IEEE 802.11a 5475 MHz
and IEEE 802.11ax HE20 5955 MHz**

Horizontal
Vertical


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Peak	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	49.48	23.95	29.58	-5.63	40.00	-16.05	200	129 Peak	Horizontal	
2	144.46	25.74	32.13	-6.39	43.50	-17.76	100	96 Peak	Horizontal	
3	179.38	28.25	34.94	-6.69	43.50	-15.25	300	132 Peak	Horizontal	
4	189.08	28.83	36.61	-7.78	43.50	-14.67	200	263 Peak	Horizontal	
5	241.46	27.84	34.41	-6.57	46.00	-18.16	100	267 Peak	Horizontal	
6	537.31	27.71	28.69	-0.98	46.00	-18.29	200	120 Peak	Horizontal	

Peak	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	47.46	35.97	41.80	-5.83	40.00	-4.03	100	109 Peak	Vertical	
2	149.31	26.65	32.85	-6.20	43.50	-16.85	100	84 Peak	Vertical	
3	179.38	30.46	37.15	-6.69	43.50	-13.04	100	119 Peak	Vertical	
4	233.70	26.51	33.50	-6.99	46.00	-19.49	100	341 Peak	Vertical	
5	451.95	26.91	28.95	-2.04	46.00	-19.09	169	12 Peak	Vertical	
6	682.81	31.31	29.82	1.49	46.00	-14.69	200	360 Peak	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 40GHz

LE 2480 MHz, IEEE 802.11ax HE20 2412 MHz, IEEE 802.11a 5475 MHz
and IEEE 802.11ax HE20 5955 MHz

(Horizontal) Peak

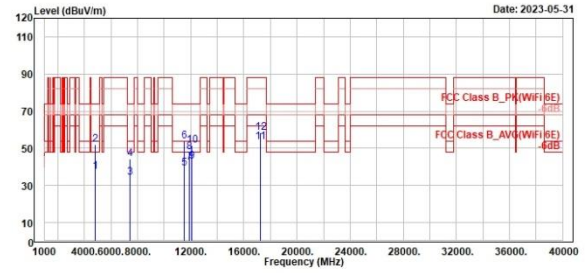
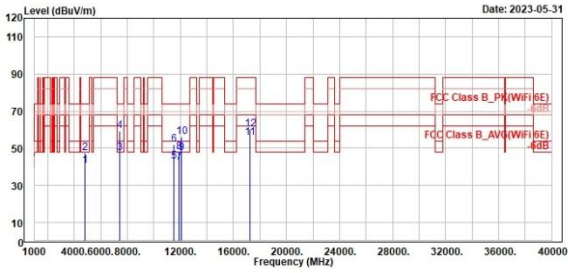
(Vertical) Peak



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1	2	3	4	5	6	7	8	9	10	11	12
12	11	10	9	8	7	6	5	4	3	2	1
MHz	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note		
dBuV/m	dBuV	dBuV	dB/m	dBuV/m	dB	cm	deg				
4824.00	48.43	48.27	-7.84	54.00	-13.57	200	59 Average	Horizontal			
4824.00	47.36	55.20	-7.84	74.00	-26.64	200	59 Peak	Horizontal			
7440.00	47.62	53.27	-5.65	54.00	-6.38	100	81 Average	Horizontal			
7440.00	59.54	65.19	-5.65	74.00	-14.46	100	81 Peak	Horizontal			
11490.00	43.02	42.14	0.88	54.00	-10.98	100	351 Average	Horizontal			
11490.00	52.21	51.33	0.88	74.00	-21.79	100	351 Peak	Horizontal			
11910.00	42.28	40.78	1.50	54.00	-11.72	200	238 Average	Horizontal			
11910.00	47.92	46.42	1.50	74.00	-26.08	200	238 Peak	Horizontal			
12060.00	47.65	45.98	1.67	54.00	-6.35	200	34 Average	Horizontal			
12060.00	56.27	54.60	1.67	74.00	-17.73	200	34 Peak	Horizontal			
17235.00	55.60	46.35	9.25	68.20	-12.60	307	360 Average	Horizontal			
17235.00	60.32	51.07	9.25	88.20	-27.88	307	360 Peak	Horizontal			

1	2	3	4	5	6	7	8	9	10	11	12
12	11	10	9	8	7	6	5	4	3	2	1
MHz	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note		
dBuV/m	dBuV	dBuV	dB/m	dBuV/m	dB	cm	deg				
4824.00	37.35	45.19	-7.84	54.00	-16.65	200	359 Average	Vertical			
4824.00	52.19	68.03	-7.84	74.00	-21.81	200	359 Peak	Vertical			
7440.00	34.09	39.74	-5.65	54.00	-19.91	100	51 Average	Vertical			
7440.00	44.19	49.84	-5.65	74.00	-29.81	100	51 Peak	Vertical			
11490.00	39.45	38.57	0.88	54.00	-14.55	300	238 Average	Vertical			
11490.00	53.95	53.07	0.88	74.00	-20.05	300	238 Peak	Vertical			
11910.00	42.52	41.02	1.50	54.00	-11.48	222	290 Average	Vertical			
11910.00	48.08	46.58	1.50	74.00	-25.92	222	290 Peak	Vertical			
12060.00	43.00	41.33	1.67	54.00	-11.00	200	212 Average	Vertical			
12060.00	51.38	49.71	1.67	74.00	-22.62	200	212 Peak	Vertical			
17235.00	53.54	44.29	9.25	68.20	-14.66	200	314 Average	Vertical			
17235.00	58.43	49.18	9.25	88.20	-29.77	200	314 Peak	Vertical			

Conducted Emissions on a.c. mains port, 150kHz ~ 30MHz

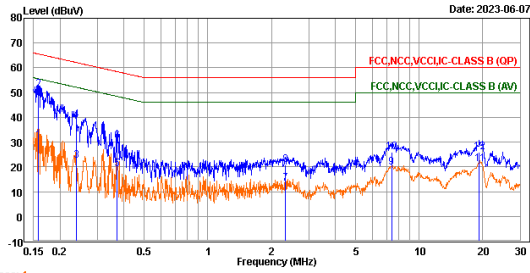
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(Line)

(Neutral)



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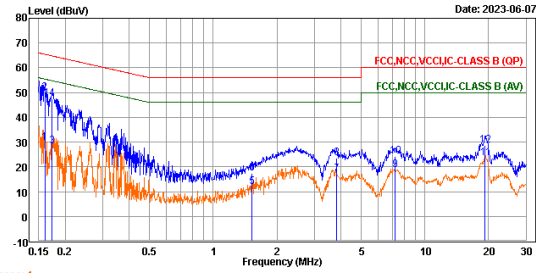


Trace: 1

	Freq	Level	Read	Limit	Over			
	MHz	dBuV	Level	Line	Limit	Remark	Pol/Phase	Note
			Factor		dB			
1	0.16	30.89	21.27	9.62	55.59	-24.70 Average	line1	
2	0.16	51.38	41.76	9.62	65.59	-14.21 QP	line1	
3	0.24	22.36	12.74	9.62	52.15	-29.79 Average	line1	
4	0.24	38.77	29.15	9.62	62.15	-23.38 QP	line1	
5	0.37	19.03	9.40	9.63	48.47	-29.44 Average	line1	
6	0.37	30.49	20.86	9.63	58.47	-27.98 QP	line1	
7	2.33	13.41	3.75	9.66	46.00	-32.59 Average	line1	
8	2.33	20.89	11.23	9.66	56.00	-35.11 QP	line1	
9	7.39	19.83	10.10	9.73	50.00	-30.17 Average	line1	
10	7.39	25.85	16.12	9.73	60.00	-34.15 QP	line1	
11	19.25	20.99	11.22	9.77	50.00	-29.01 Average	line1	
12	19.25	25.98	16.21	9.77	60.00	-34.82 QP	line1	



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Trace: 1

	Freq	Level	Read	Limit	Over			
	MHz	dBuV	Level	Line	Limit	Remark	Pol/Phase	Note
			Factor		dB			
1	0.16	29.62	20.00	9.62	55.46	-25.84 Average	neutral	
2	0.16	49.87	40.25	9.62	65.46	-15.59 QP	neutral	
3	0.17	28.37	18.75	9.62	54.84	-26.47 Average	neutral	
4	0.17	47.44	37.82	9.62	64.84	-17.40 QP	neutral	
5	1.52	11.95	2.29	9.66	46.00	-34.05 Average	neutral	
6	1.52	17.48	7.82	9.66	56.00	-38.52 QP	neutral	
7	3.81	17.02	7.33	9.69	46.00	-28.98 Average	neutral	
8	3.81	23.55	13.86	9.69	56.00	-32.45 QP	neutral	
9	7.25	18.58	8.83	9.75	50.00	-31.42 Average	neutral	
10	7.25	24.16	14.41	9.75	60.00	-35.84 QP	neutral	
11	19.25	23.59	13.73	9.86	50.00	-26.41 Average	neutral	
12	19.25	28.76	18.90	9.86	60.00	-31.24 QP	neutral	