

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

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

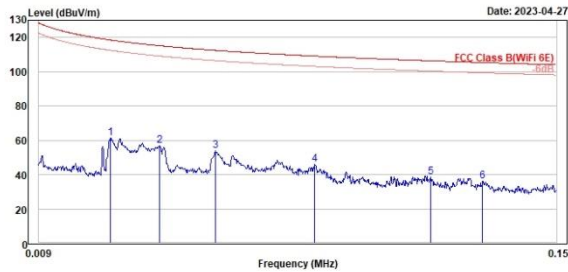
IEEE 802.11ax HE40 2452 MHz, IEEE 802.11ax HE160 5250 MHz
and IEEE 802.11ax HE20 7115 MHz

9kHz~150kHz (Open)

150kHz~30MHz (Open)



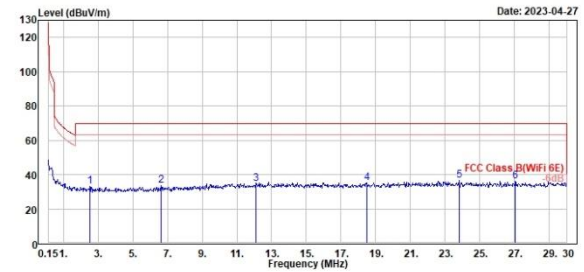
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.03	61.15	42.05	19.10	118.46	-57.31	100	243	Peak	Open	
2	0.04	56.89	37.74	19.15	115.16	-58.27	100	227	Peak	Open	
3	0.06	53.73	34.78	18.95	112.44	-58.71	100	236	Peak	Open	
4	0.08	46.12	27.82	18.30	109.09	-62.97	100	264	Peak	Open	
5	0.12	38.33	20.34	17.99	106.34	-68.01	100	252	Peak	Open	
6	0.13	36.30	18.25	18.05	105.33	-69.03	100	252	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	2.54	33.18	13.68	19.50	69.50	-36.32	100	198	Peak	Open	
2	6.63	33.57	13.40	20.17	69.50	-35.93	100	44	Peak	Open	
3	12.09	34.73	13.02	21.71	69.50	-34.77	100	140	Peak	Open	
4	18.48	35.34	13.20	22.14	69.50	-34.16	100	338	Peak	Open	
5	23.79	36.43	14.16	22.27	69.50	-33.07	100	46	Peak	Open	
6	27.04	36.06	13.76	22.30	69.50	-33.44	100	175	Peak	Open	

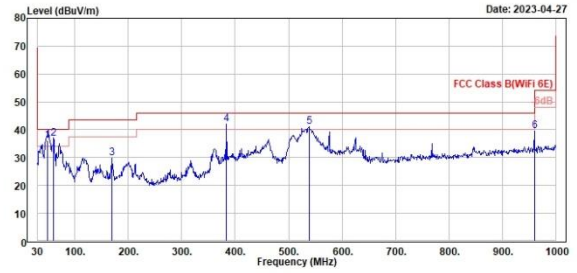
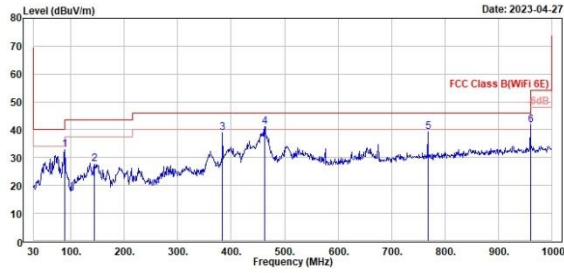
Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

**IEEE 802.11ax HE40 2452 MHz, IEEE 802.11ax HE160 5250 MHz
and IEEE 802.11ax HE20 7115 MHz**

Horizontal
Vertical


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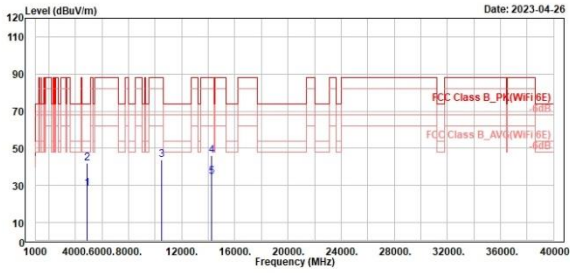
Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	88.28	32.02	46.50	-13.76	43.50	-18.68	280	82	Peak	Horizontal	
2	144.46	27.79	35.36	-7.57	43.50	-15.71	280	84	Peak	Horizontal	
3	384.05	38.86	43.62	-4.76	46.00	-7.14	300	104	Peak	Horizontal	
4	462.62	41.12	44.38	-3.26	46.00	-4.88	200	26	Peak	Horizontal	
5	768.17	39.12	36.73	2.39	46.00	-6.88	100	295	Peak	Horizontal	
6	968.23	41.54	36.09	5.45	54.00	-12.46	200	65	Peak	Horizontal	

Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	49.40	36.06	43.50	-7.44	40.00	-3.94	100	125	QP	Vertical	
2	68.07	36.85	45.22	-8.37	40.00	-3.15	100	360	Peak	Vertical	
3	169.68	29.96	37.37	-7.41	43.50	-13.54	100	251	Peak	Vertical	
4	384.05	42.01	46.77	-4.76	46.00	-3.99	200	94	Peak	Vertical	
5	538.28	41.07	43.13	-2.06	46.00	-4.93	100	119	Peak	Vertical	
6	968.23	39.46	34.01	5.45	54.00	-14.54	100	276	Peak	Vertical	

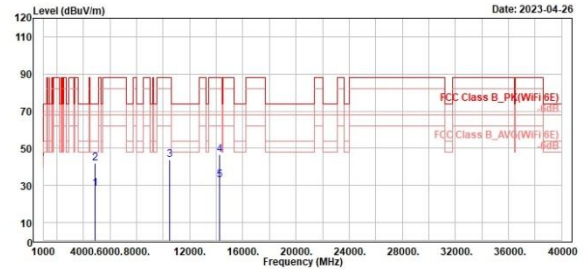
Spurious Emissions, Tx Mode, 1GHz ~ 40GHz

**IEEE 802.11ax HE40 2452 MHz, IEEE 802.11ax HE160 5250 MHz
and IEEE 802.11ax HE20 7115 MHz**

(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	4904.00	28.42	38.79	-10.37	54.00	-25.58	400	304 Average	Horizontal	
2	4904.00	41.95	52.32	-10.37	74.00	-32.05	400	304 Peak	Horizontal	
3	10500.00	43.00	48.10	-4.30	68.20	-24.40	200	251 Peak	Horizontal	
4	14230.00	46.00	45.49	0.51	88.20	-42.20	200	191 Peak	Horizontal	
5	14230.00	34.56	34.05	0.51	68.20	-33.64	200	191 RMS	Horizontal	


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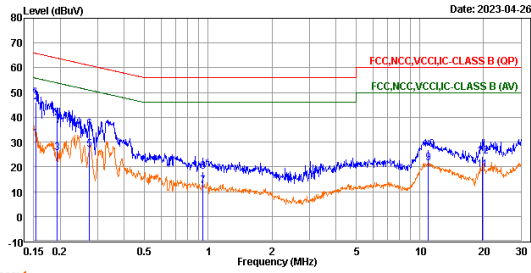
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4904.00	28.30	38.67	-10.37	54.00	-25.70	400	239 Average	Vertical	
2	4904.00	42.06	52.43	-10.37	74.00	-31.94	400	239 Peak	Vertical	
3	10500.00	43.66	47.96	-4.30	68.20	-24.54	400	218 Peak	Vertical	
4	14230.00	46.37	45.86	0.51	88.20	-41.83	400	163 Peak	Vertical	
5	14230.00	32.98	32.47	0.51	68.20	-35.22	400	163 RMS	Vertical	

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

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and IEEE 802.11ax HE20 7115 MHz**

(Line)
(Neutral)


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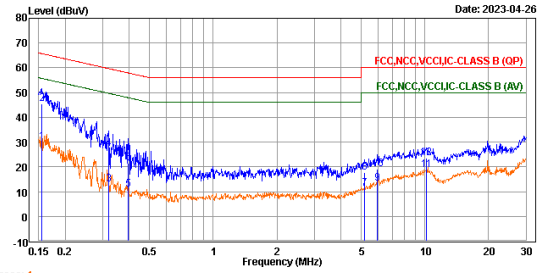


Trace: 1

	Freq	Level	Read	Limit	Over			
	MHz	dBuV	Level	Line	Limit	Remark	Pol/Phase	Note
	MHz	dBuV	Factor	dB	dBuV	dB		
1	0.15	31.29	21.60	9.69	55.83	-24.54	Average	line1
2	0.15	45.97	36.28	9.69	65.83	-19.86	QP	line1
3	0.19	25.56	15.86	9.68	53.93	-28.37	Average	line1
4	0.19	38.87	29.19	9.68	63.93	-25.06	QP	line1
5	0.28	26.92	17.24	9.68	50.95	-24.03	Average	line1
6	0.28	35.20	25.52	9.68	60.95	-25.75	QP	line1
7	0.34	12.27	2.58	9.69	46.00	-33.73	Average	line1
8	0.34	17.93	8.24	9.69	56.00	-38.07	QP	line1
9	10.91	21.32	11.51	9.81	50.00	-28.68	Average	line1
10	10.91	27.00	17.19	9.81	60.00	-33.00	QP	line1
11	19.74	18.68	8.87	9.81	50.00	-31.32	Average	line1
12	19.74	24.31	14.50	9.81	60.00	-35.69	QP	line1



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Trace: 1

	Freq	Level	Read	Limit	Over			
	MHz	dBuV	Level	Factor	Line	Limit	Remark	Pol/Phase
	MHz	dBuV	dBuV	dB	dBuV	dB		Note
1	0.15	29.96	20.29	9.67	55.75	-25.79	Average	neutral
2	0.15	45.35	35.68	9.67	65.75	-20.40	QP	neutral
3	0.32	12.77	3.12	9.65	49.71	-36.94	Average	neutral
4	0.32	27.45	17.80	9.65	59.71	-32.26	QP	neutral
5	0.40	10.76	1.10	9.66	47.93	-37.17	Average	neutral
6	0.40	21.43	11.77	9.66	57.93	-36.50	QP	neutral
7	5.16	11.32	1.58	9.74	50.00	-38.68	Average	neutral
8	5.16	17.63	7.89	9.74	60.00	-42.37	QP	neutral
9	5.97	13.44	3.69	9.75	50.00	-36.56	Average	neutral
10	5.97	19.22	9.47	9.75	60.00	-40.78	QP	neutral
11	10.12	18.75	8.96	9.79	50.00	-31.25	Average	neutral
12	10.12	23.63	13.84	9.79	60.00	-36.37	QP	neutral