

Appendix A: Test Results of Radiated Emissions

Spurious Emissions, Tx Mode, 9kHz ~30MHz

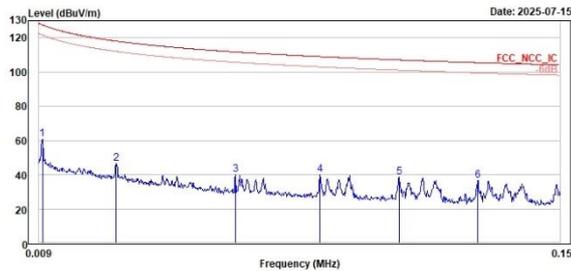
WiFi 5G 802.11ax HE80_5690MHz + WiFi 2.4G 802.11g_2437 MHz

(Open) (9kHz ~ 150kHz)

(Open) (150kHz ~ 30MHz)



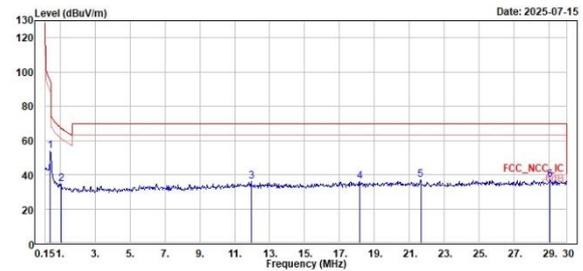
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.01	68.68	42.48	18.12	127.68	-67.00	100	187	Peak	Open	
2	0.03	46.64	26.62	20.02	118.05	-71.41	100	187	Peak	Open	
3	0.06	39.91	21.86	18.05	111.72	-71.81	100	127	Peak	Open	
4	0.09	40.17	22.05	18.12	108.99	-68.82	100	182	Peak	Open	
5	0.11	38.66	20.59	18.07	107.06	-68.40	100	182	Peak	Open	
6	0.13	36.68	18.48	18.20	105.47	-66.79	100	182	Peak	Open	



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.45	53.69	34.99	18.70	94.57	-40.88	100	189	Peak	Open	
2	1.05	34.67	15.88	18.79	67.22	-32.55	100	192	Peak	Open	
3	11.94	35.98	14.22	21.76	69.50	-33.52	100	304	Peak	Open	
4	18.15	35.96	13.30	22.66	69.50	-33.54	100	325	Peak	Open	
5	21.64	36.99	14.48	22.51	69.50	-32.51	100	235	Peak	Open	
6	29.04	36.83	13.56	23.27	69.50	-32.67	100	94	Peak	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

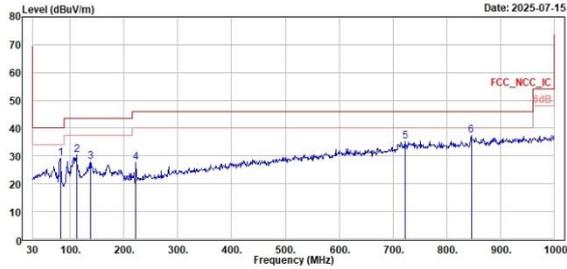
WiFi 5G 802.11ax HE80_5690MHz + WiFi 2.4G 802.11g_2437 MHz

(Horizontal)

(Vertical)



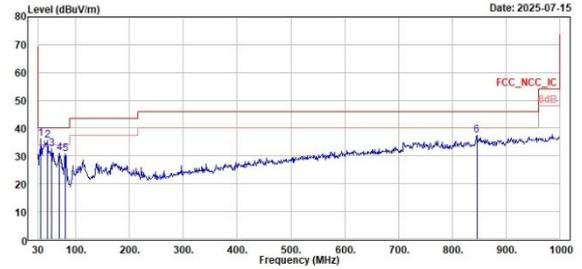
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Peak	Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	81.41	29.30	40.68	-11.38	40.00	-10.70	200	259 Peak	Horizontal	
2	111.48	30.39	40.05	-9.66	43.50	-13.11	300	265 Peak	Horizontal	
3	137.67	28.08	34.90	-6.82	43.50	-15.42	200	110 Peak	Horizontal	
4	222.06	27.00	35.70	-7.90	46.00	-18.20	100	85 Peak	Horizontal	
5	722.58	35.30	31.73	3.57	46.00	-10.70	200	10 Peak	Horizontal	
6	845.77	37.39	32.30	5.09	46.00	-8.61	376	0 Peak	Horizontal	



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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	34.85	36.31	43.62	-7.31	40.00	-3.69	100	209 Peak	Vertical	
2	47.46	35.56	41.42	-5.86	40.00	-4.44	100	43 Peak	Vertical	
3	55.22	32.56	38.40	-5.84	40.00	-7.44	100	333 Peak	Vertical	
4	68.80	31.13	39.20	-8.07	40.00	-8.87	100	22 Peak	Vertical	
5	80.44	30.76	41.91	-11.15	40.00	-9.24	100	231 Peak	Vertical	
6	845.77	37.29	32.20	5.09	46.00	-8.71	100	213 Peak	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 40GHz

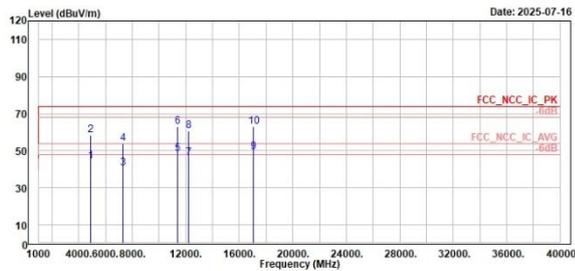
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(Horizontal)

(Vertical)



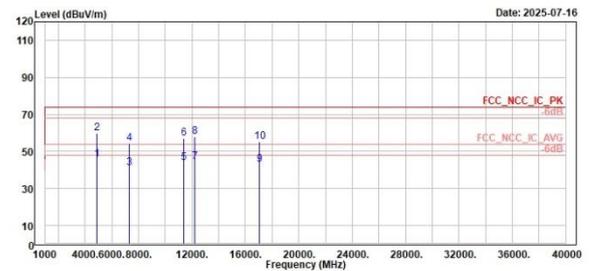
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1	2	3	4	5	6	7	8	9	10	
Level	Read	Level	Factor	Limit	Over	Apos	Tpos	Remark	Pol/Phase	Note
dBuV/m	dBuV	dB/m	dB/m	dBuV/m	dB	cm	deg			
44.12	54.71	-10.59	54.00	-9.88	297	350	Average	Horizontal		
58.27	68.86	-10.59	74.00	-15.73	297	350	Peak	Horizontal		
40.38	49.13	-8.75	54.00	-13.62	153	8	Average	Horizontal		
53.83	62.58	-8.75	74.00	-20.17	153	8	Peak	Horizontal		
48.36	51.79	-3.43	54.00	-5.64	131	15	Average	Horizontal		
62.75	66.18	-3.43	74.00	-11.25	131	15	Peak	Horizontal		
45.99	45.03	-2.04	54.00	-8.01	188	338	Average	Horizontal		
60.67	62.71	-2.04	74.00	-13.33	188	338	Peak	Horizontal		
49.18	45.58	3.60	54.00	-4.82	180	296	Average	Horizontal		
62.77	59.17	3.60	74.00	-11.23	180	296	Peak	Horizontal		



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1	2	3	4	5	6	7	8	9	10	
Level	Read	Level	Factor	Limit	Over	Apos	Tpos	Remark	Pol/Phase	Note
dBuV/m	dBuV	dB/m	dB/m	dBuV/m	dB	cm	deg			
45.82	56.41	-10.59	54.00	-8.18	199	64	Average	Vertical		
59.75	70.34	-10.59	74.00	-14.25	199	64	Peak	Vertical		
41.13	49.88	-8.75	54.00	-12.87	260	11	Average	Vertical		
54.28	63.03	-8.75	74.00	-19.72	260	11	Peak	Vertical		
43.71	47.14	-3.43	54.00	-10.29	158	287	Average	Vertical		
56.92	60.35	-3.43	74.00	-17.08	158	287	Peak	Vertical		
44.07	45.11	-2.04	54.00	-9.93	251	29	Average	Vertical		
57.82	59.86	-2.04	74.00	-16.18	251	29	Peak	Vertical		
43.04	39.44	3.60	54.00	-10.96	155	342	Average	Vertical		
55.35	51.75	3.60	74.00	-18.65	155	342	Peak	Vertical		

Mains Conducted Emission, (150kHz ~ 30MHz)

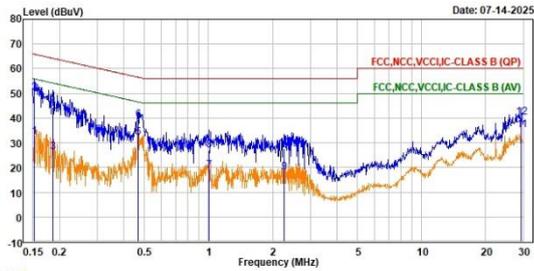
Worst Band

(Line)

(Neutral)



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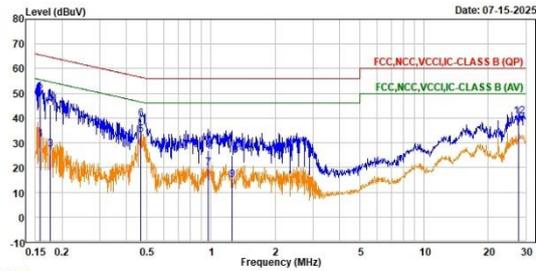


Trace: 1

	Freq	Level	Read Level	Factor	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.15	32.56	22.94	9.62	55.88	-23.32	Average	line1	
2	0.15	50.27	40.65	9.62	65.88	-15.61	QP	line1	
3	0.19	26.35	16.73	9.62	54.22	-27.87	Average	line1	
4	0.19	44.41	34.79	9.62	64.22	-19.81	QP	line1	
5	0.47	32.04	22.41	9.63	46.52	-14.48	Average	line1	
6	0.47	39.42	29.79	9.63	56.52	-17.10	QP	line1	
7	1.00	18.69	9.05	9.64	46.00	-27.31	Average	line1	
8	1.00	26.87	17.23	9.64	56.00	-29.13	QP	line1	
9	2.27	18.06	8.40	9.66	46.00	-27.94	Average	line1	
10	2.27	27.71	18.05	9.66	56.00	-28.29	QP	line1	
11	29.41	35.08	25.40	9.68	60.00	-14.92	Average	line1	
12	29.41	40.30	30.62	9.68	60.00	-19.70	QP	line1	



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Trace: 1

	Freq	Level	Read Level	Factor	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.16	31.34	21.71	9.63	55.59	-24.25	Average	neutral	
2	0.16	49.38	39.75	9.63	65.59	-16.21	QP	neutral	
3	0.18	27.22	17.60	9.62	54.68	-27.46	Average	neutral	
4	0.18	45.53	35.91	9.62	64.68	-19.15	QP	neutral	
5	0.47	32.97	23.34	9.63	46.56	-13.59	Average	neutral	
6	0.47	39.70	30.07	9.63	56.56	-16.86	QP	neutral	
7	0.97	19.61	9.97	9.64	46.00	-26.39	Average	neutral	
8	0.97	26.93	17.29	9.64	56.00	-29.07	QP	neutral	
9	1.25	14.84	5.20	9.64	46.00	-31.16	Average	neutral	
10	1.25	24.83	15.19	9.64	56.00	-31.17	QP	neutral	
11	27.84	35.82	25.97	9.85	60.00	-14.18	Average	neutral	
12	27.84	40.50	30.65	9.85	60.00	-19.50	QP	neutral	