

Test Report No.60395870 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 60395870 001Appendix D)

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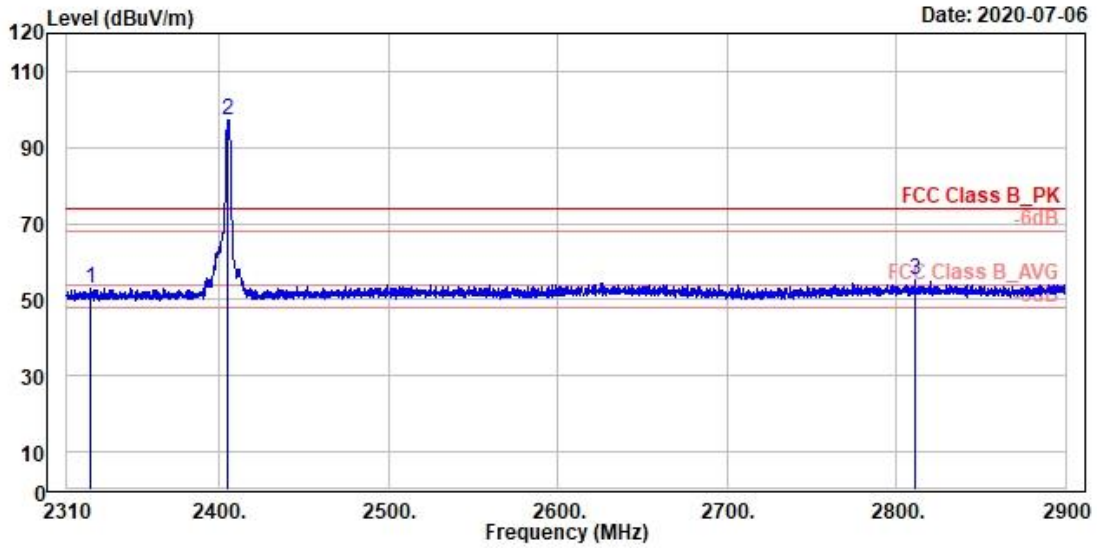
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Spurious Emissions, Band Edges

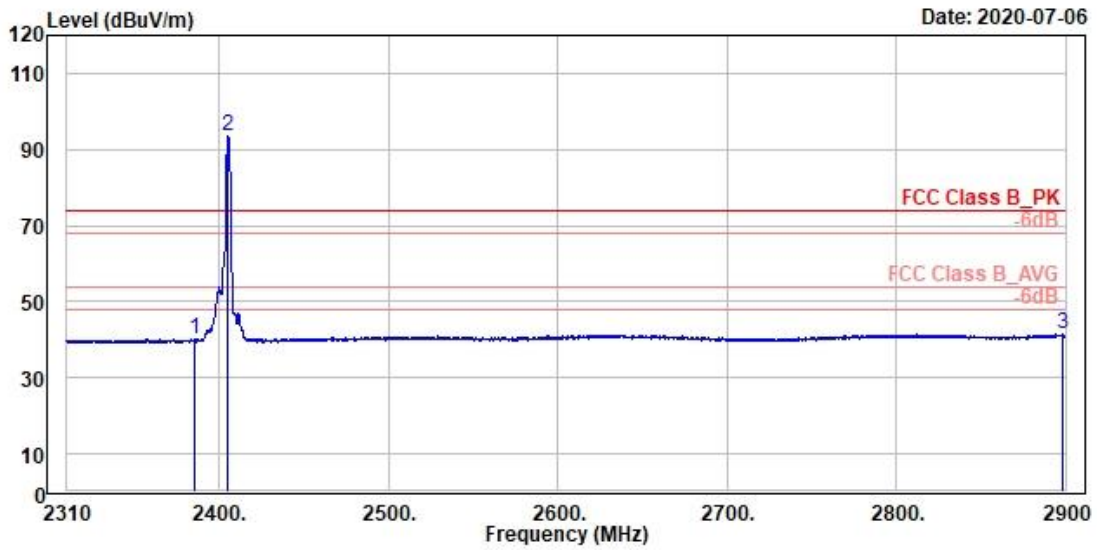
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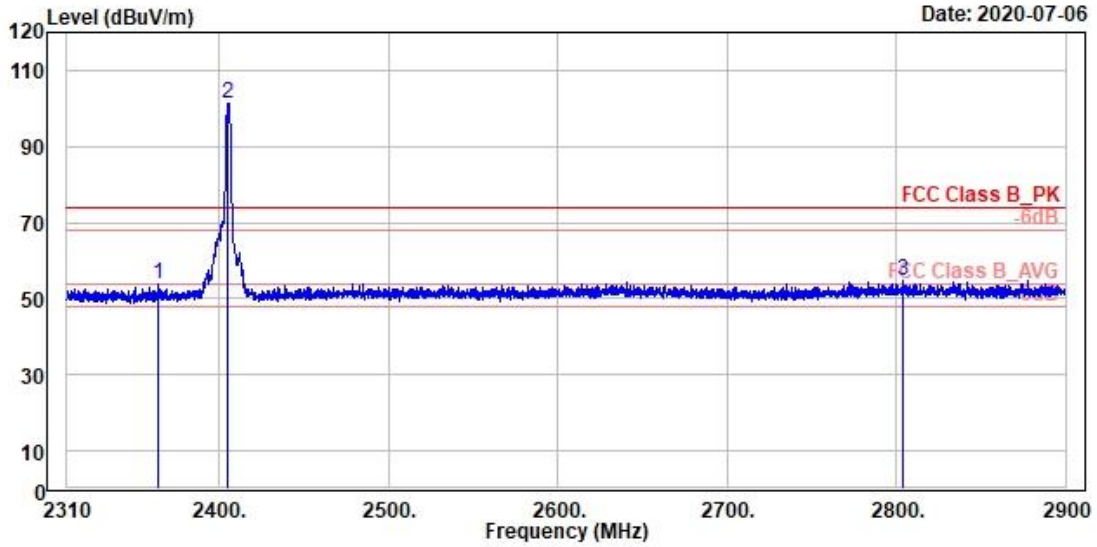
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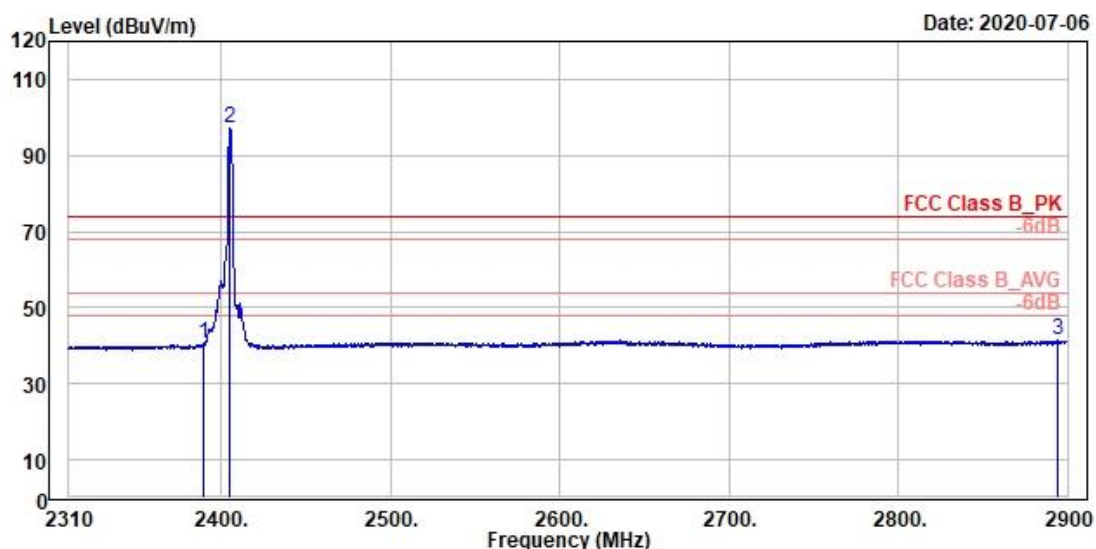
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2324.04	52.93	15.80	37.13	74.00	-21.07	166	358	Peak	Horizontal	
2 *	2405.35	97.41	60.03	37.38	74.00	23.41	166	358	Peak	Horizontal	
3	2811.38	55.03	17.09	37.94	74.00	-18.97	166	358	Peak	Horizontal	



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2385.64	40.25	2.93	37.32	54.00	-13.75	166	358	Average	Horizontal	
2 *	2405.35	93.36	55.98	37.38	54.00	39.36	166	358	Average	Horizontal	
3	2898.23	41.39	3.08	38.31	54.00	-12.61	166	358	Average	Horizontal	



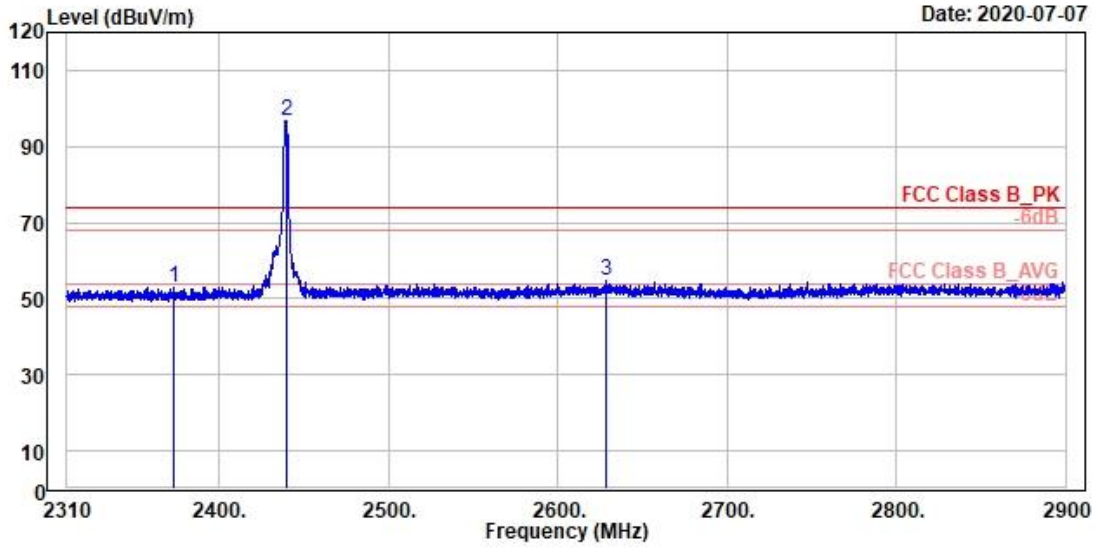
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1	2364.28	53.63	16.38	37.25	74.00	-20.37	302	321	Peak	Vertical	
2 *	2405.35	101.27	63.89	37.38	74.00	27.27	302	321	Peak	Vertical	
3	2803.71	54.57	16.65	37.92	74.00	-19.43	302	321	Peak	Vertical	



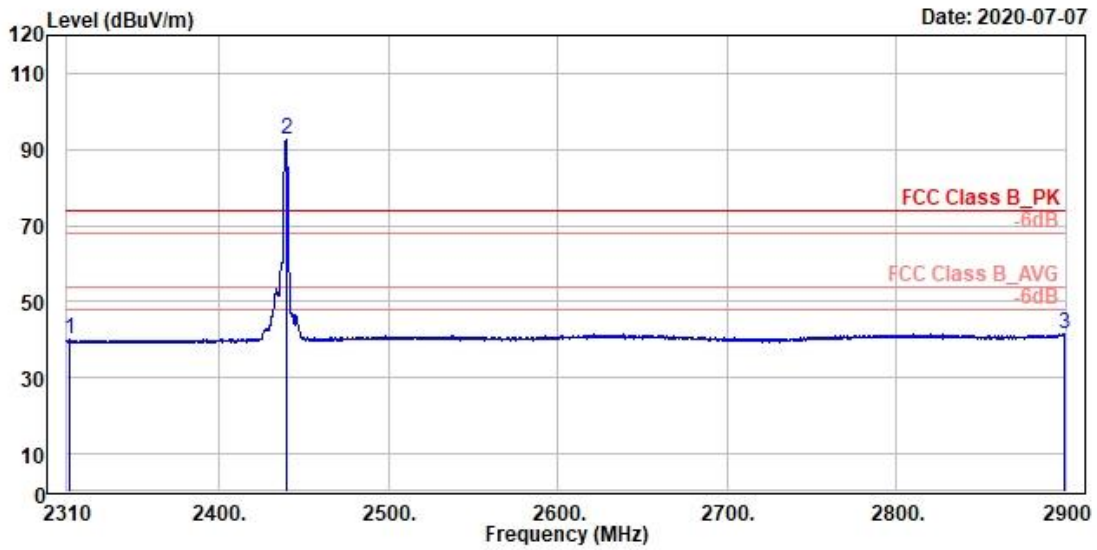
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1	2390.00	40.41	3.08	37.33	54.00	-13.59	302	321	Average	Vertical	
2 *	2405.35	97.13	59.75	37.38	54.00	43.13	302	321	Average	Vertical	
3	2893.98	41.49	3.20	38.29	54.00	-12.51	302	321	Average	Vertical	



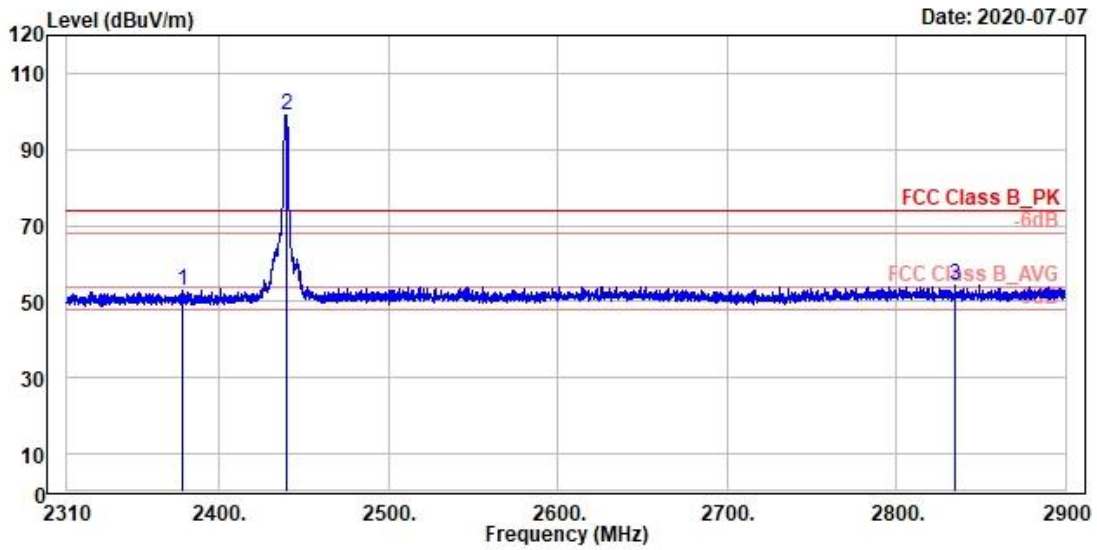
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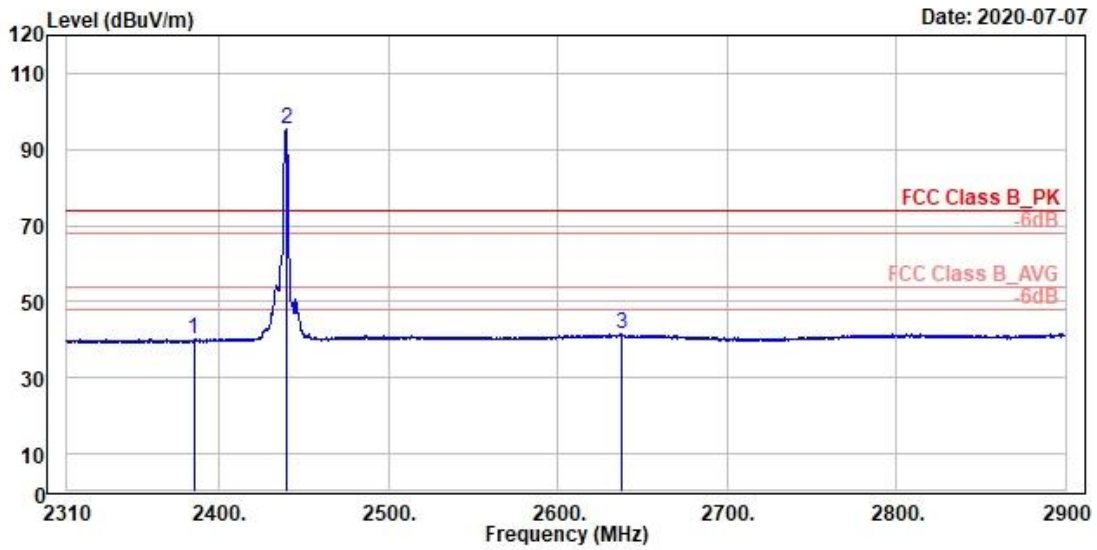
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1	2373.48	52.88	15.60	37.28	74.00	-21.12	283	251	Peak	Horizontal	
2 *	2439.35	96.68	59.19	37.49	74.00	22.68	283	251	Peak	Horizontal	
3	2628.72	54.90	16.99	37.91	74.00	-19.10	283	251	Peak	Horizontal	



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2311.89	39.99	2.91	37.08	54.00	-14.01	283	251	Average	Horizontal	
2 *	2439.35	92.81	55.32	37.49	54.00	38.81	283	251	Average	Horizontal	
3	2899.76	41.59	3.27	38.32	54.00	-12.41	283	251	Average	Horizontal	



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2378.56	52.92	15.62	37.30	74.00	-21.08	263	316	Peak	Vertical	
2 *	2439.35	99.23	61.74	37.49	74.00	25.23	263	316	Peak	Vertical	
3	2834.86	54.48	16.46	38.02	74.00	-19.52	263	316	Peak	Vertical	

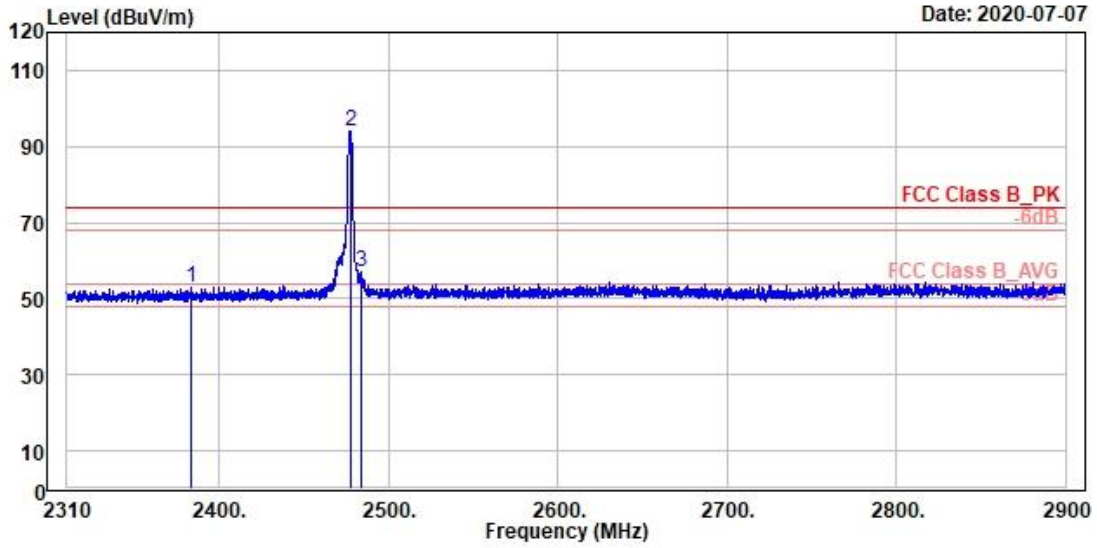


Date: 2020-07-07

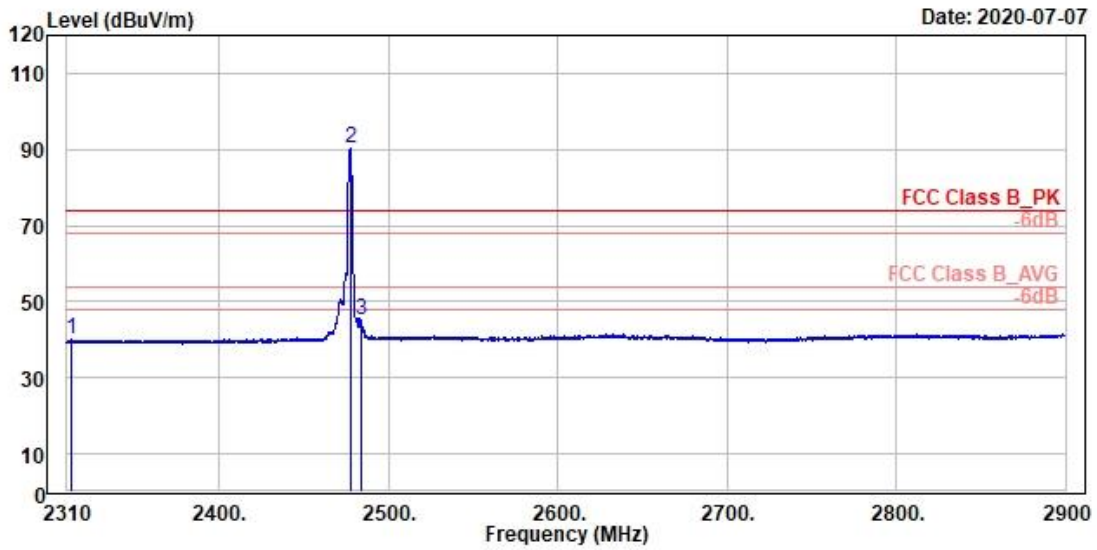
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1	2384.93	40.13	2.81	37.32	54.00	-13.87	263	316	Average	Vertical	
2 *	2439.35	95.15	57.66	37.49	54.00	41.15	263	316	Average	Vertical	
3	2637.57	41.51	3.63	37.88	54.00	-12.49	263	316	Average	Vertical	



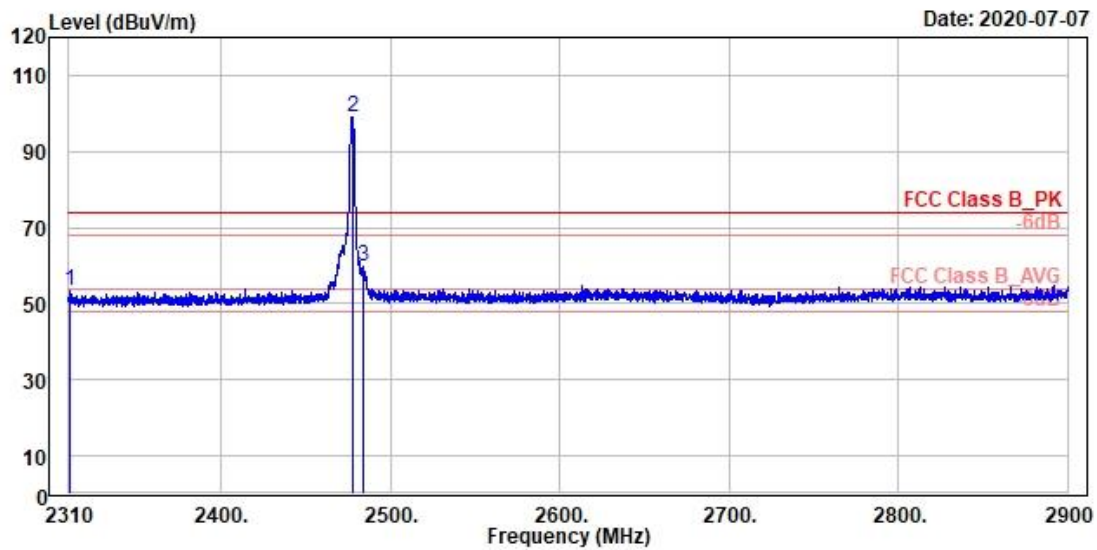
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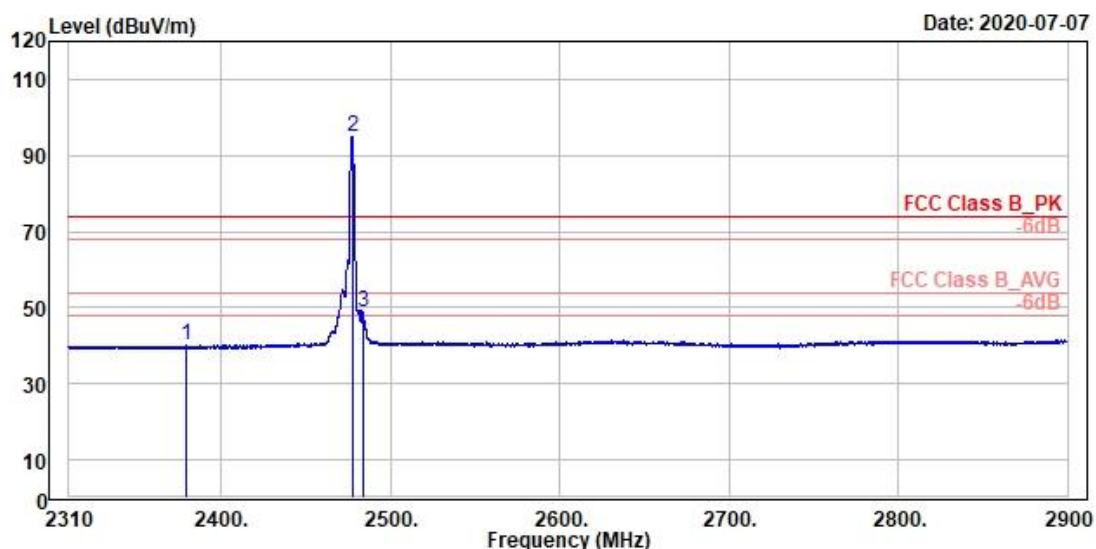
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1	2383.04	52.77	15.46	37.31	74.00	-21.23	128	316	Peak	Horizontal	
2 *	2477.35	94.18	56.63	37.55	74.00	20.18	128	316	Peak	Horizontal	
3	2484.17	57.15	19.59	37.56	74.00	-16.85	128	316	Peak	Horizontal	



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2312.95	39.93	2.84	37.09	54.00	-14.07	128	316	Average	Horizontal	
2 *	2477.35	90.16	52.61	37.55	54.00	36.16	128	316	Average	Horizontal	
3	2483.93	45.07	7.51	37.56	54.00	-8.93	128	316	Average	Horizontal	



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2310.24	53.21	16.13	37.08	74.00	-20.79	236	319	Peak	Vertical	
2 *	2477.35	98.93	61.38	37.55	74.00	24.93	236	319	Peak	Vertical	
3	2484.17	59.60	22.04	37.56	74.00	-14.40	236	319	Peak	Vertical	



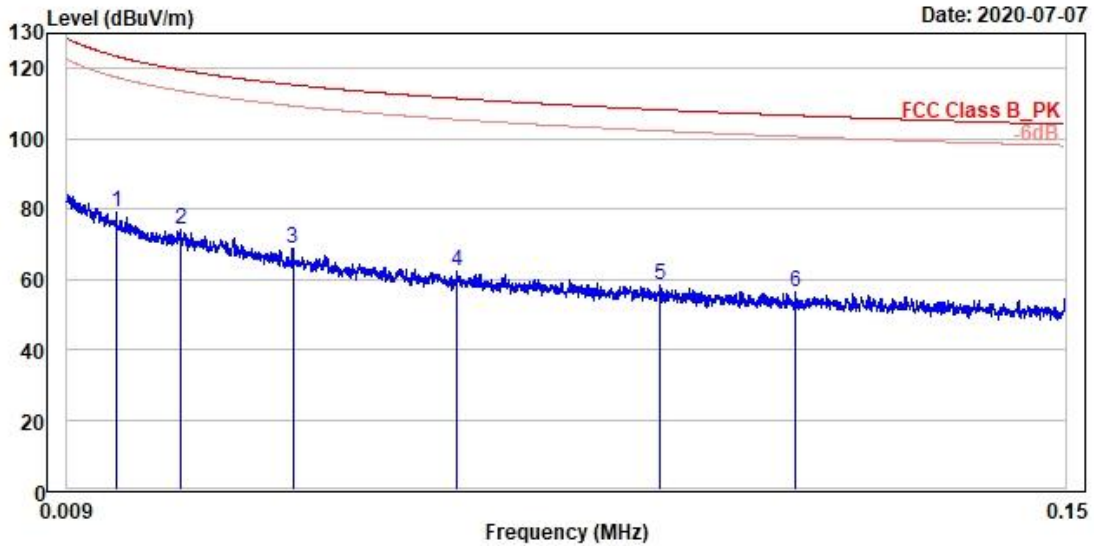
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1	2379.74	39.99	2.69	37.30	54.00	-14.01	236	319	Average	Vertical	
2 *	2477.32	94.85	57.30	37.55	54.00	40.85	236	319	Average	Vertical	
3 !	2483.93	48.87	11.31	37.56	54.00	-5.13	236	319	Average	Vertical	

Spurious Emissions, TX Mode, 9kHz-30MHz

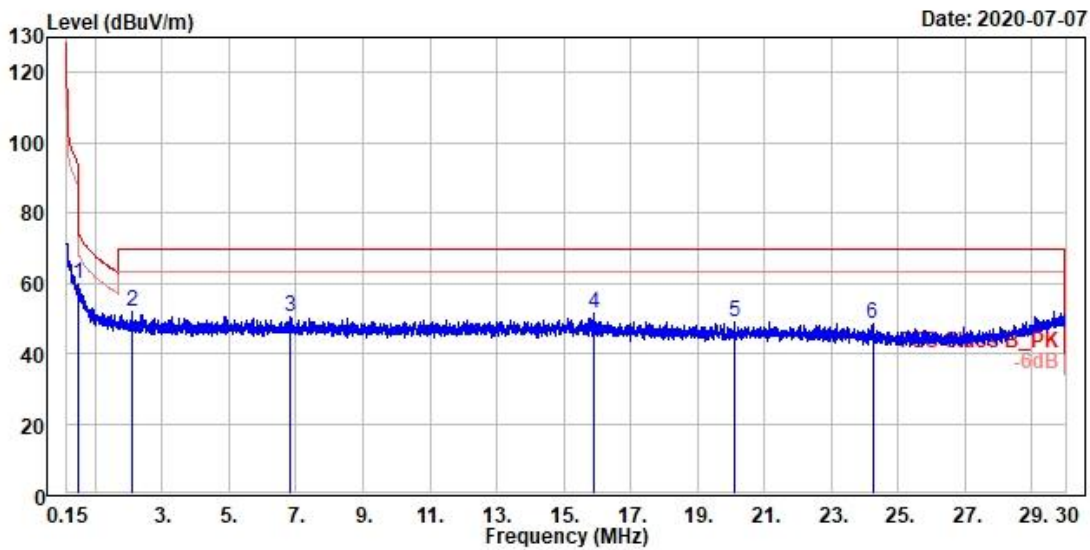
2477.35MHz



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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.02	79.10	4.02	75.08	123.52	-44.42	100	351	QP	vertical	
2	0.03	74.14	2.51	71.63	119.62	-45.48	100	180	QP	vertical	
3	0.04	68.55	1.22	67.33	115.36	-46.81	100	355	QP	vertical	
4	0.06	62.15	-0.98	63.13	111.47	-49.32	100	230	QP	vertical	
5	0.09	58.11	-2.00	60.11	108.24	-50.13	100	141	QP	vertical	
6	0.11	56.15	-2.41	58.56	106.63	-50.48	100	272	QP	vertical	



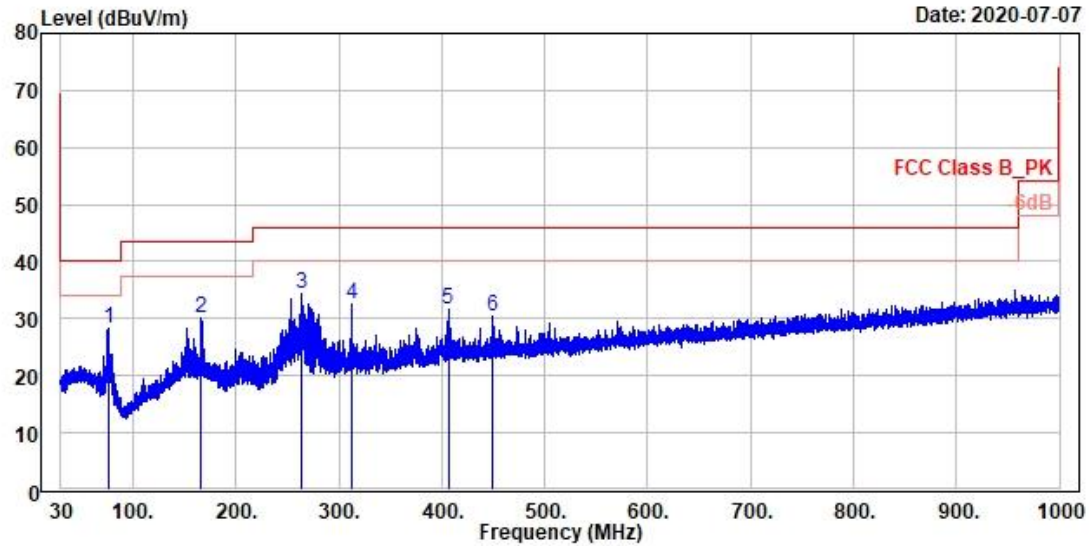
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1	0.49	59.74	12.81	46.93	73.79	-14.05	100	26	QP	vertical	
2	2.08	51.70	13.04	38.66	69.50	-17.80	100	311	QP	vertical	
3	6.81	50.28	11.92	38.36	69.50	-19.22	100	351	QP	vertical	
4	15.91	51.42	13.87	37.55	69.50	-18.08	100	118	QP	vertical	
5	20.10	49.01	12.77	36.24	69.50	-20.49	100	156	QP	vertical	
6	24.24	48.36	13.69	34.67	69.50	-21.14	100	297	QP	vertical	

Spurious Emissions, TX Mode, 30MHz-1GHz

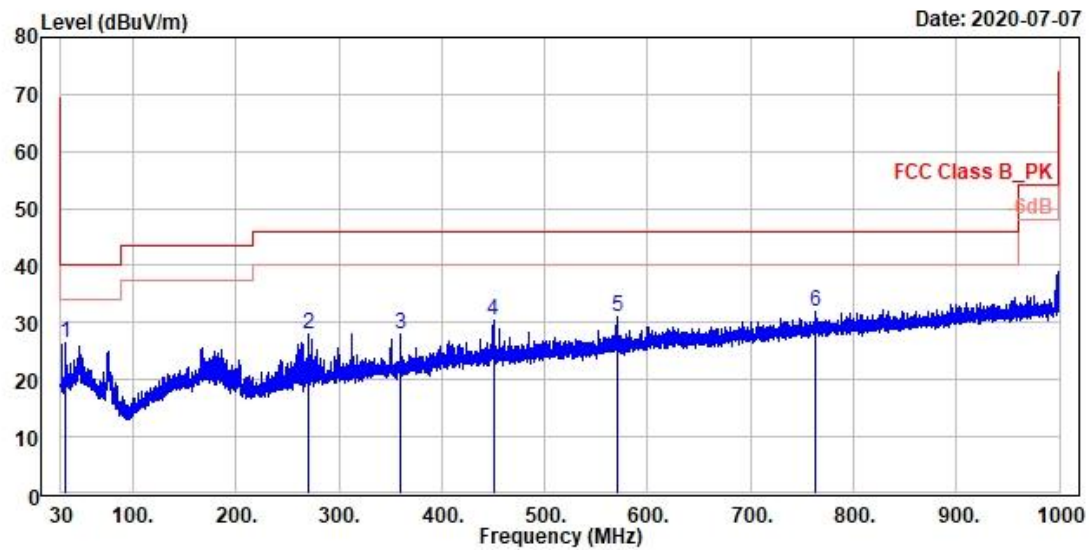
2477.35MHz



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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	75.78	28.26	39.52	-11.26	40.00	-11.74	300	142	QP	horizontal	
2	165.99	30.04	37.28	-7.24	43.50	-13.46	200	324	QP	horizontal	
3	263.29	34.41	42.12	-7.71	46.00	-11.59	100	213	QP	horizontal	
4	312.08	32.66	38.88	-6.22	46.00	-13.34	100	199	QP	horizontal	
5	406.26	31.68	36.25	-4.57	46.00	-14.32	100	317	QP	horizontal	
6	449.91	30.46	34.21	-3.75	46.00	-15.54	400	93	QP	horizontal	



Date: 2020-07-07

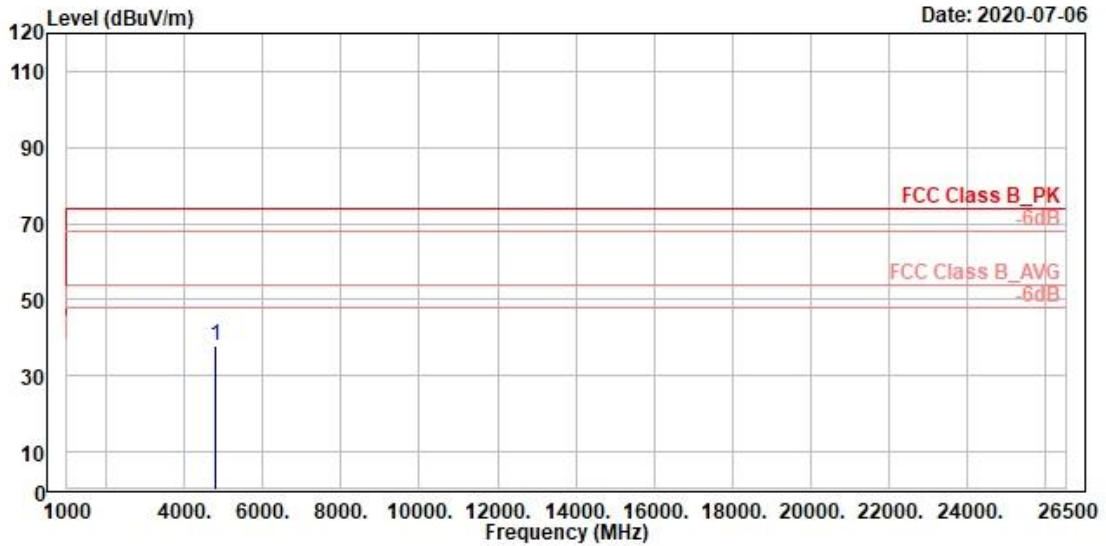
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1	34.85	26.60	35.34	-8.74	40.00	-13.40	100	360	QP	vertical	
2	269.98	27.98	35.41	-7.43	46.00	-18.02	200	336	QP	vertical	
3	359.90	27.96	33.49	-5.53	46.00	-18.04	200	360	QP	vertical	
4	450.11	30.49	34.23	-3.74	46.00	-15.51	157	360	QP	vertical	
5	570.19	30.95	32.77	-1.82	46.00	-15.05	100	310	QP	vertical	
6	763.71	31.79	30.42	1.37	46.00	-14.21	100	146	QP	vertical	

Spurious Emissions, TX Mode, 1GHz-26.5GHz

2405.35MHz

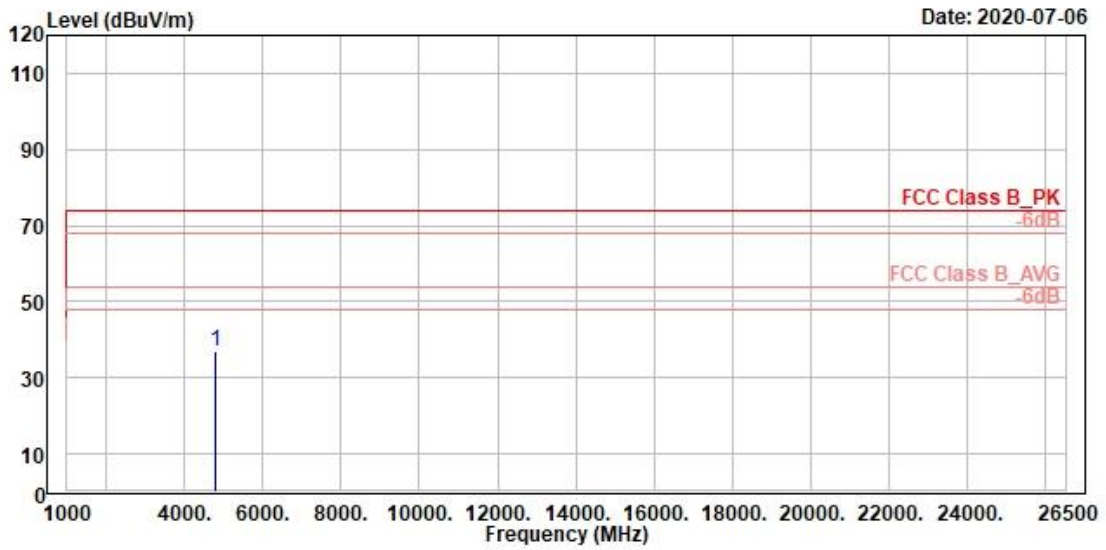


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Date: 2020-07-06

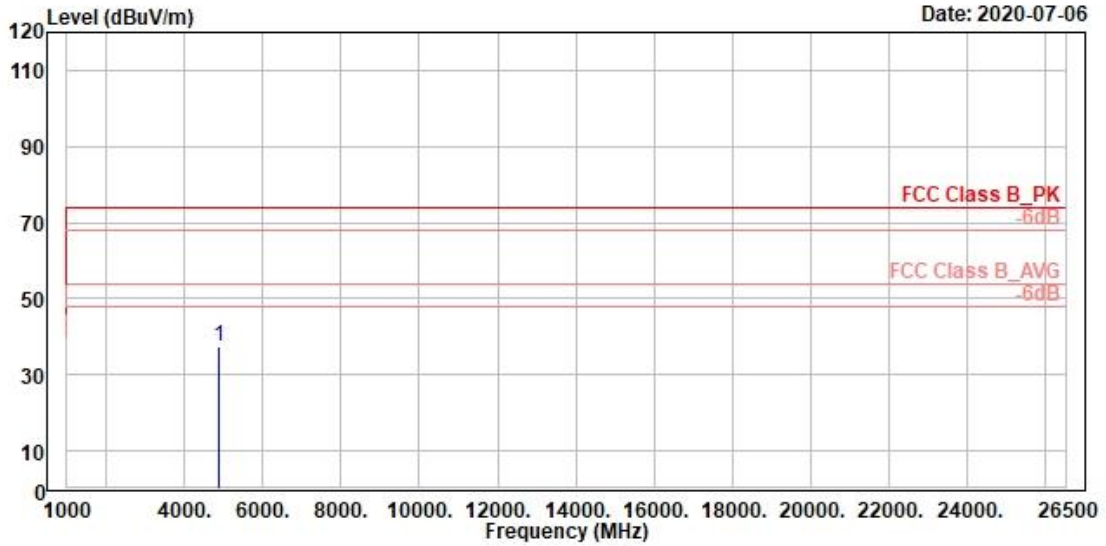
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4810.70	37.67	47.85	-10.18	74.00	-36.33	400	298	Peak	horizontal	



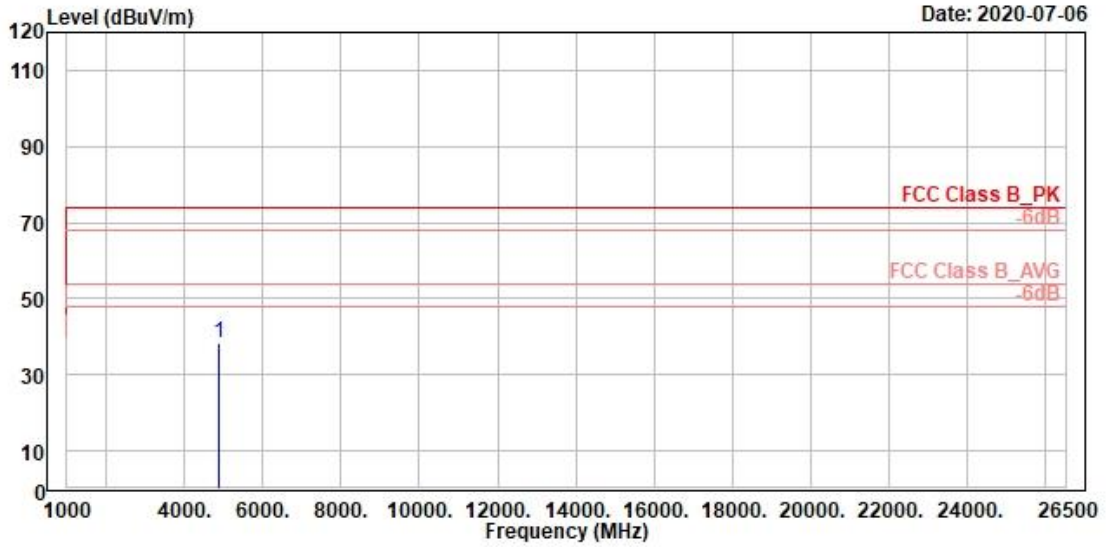
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1	4810.70	36.95	47.13	-10.18	74.00	-37.05	100	360	Peak	vertical	



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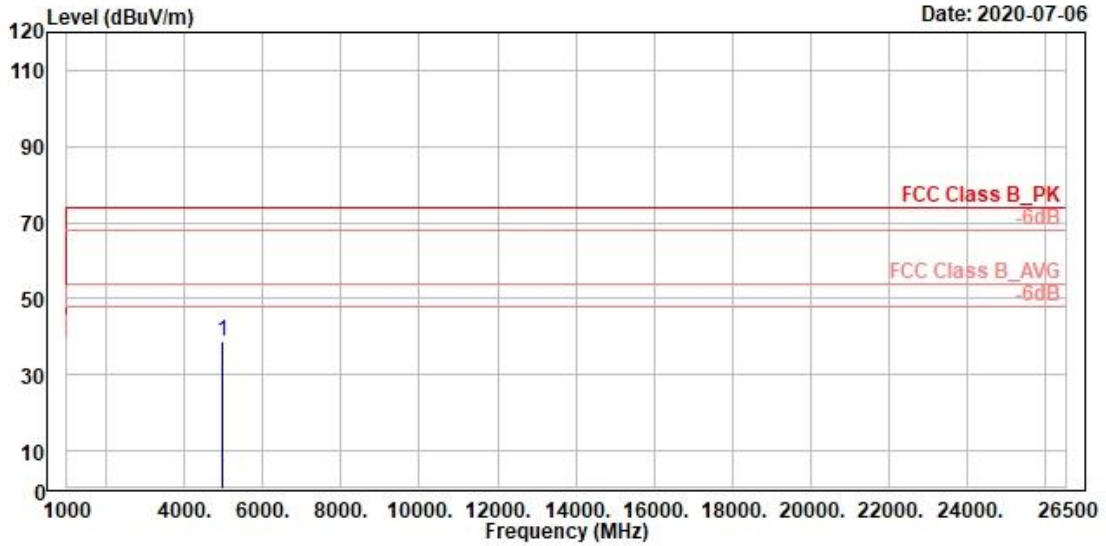
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1	4878.70	37.54	47.60	-10.06	74.00	-36.46	300	214	Peak	horizontal	



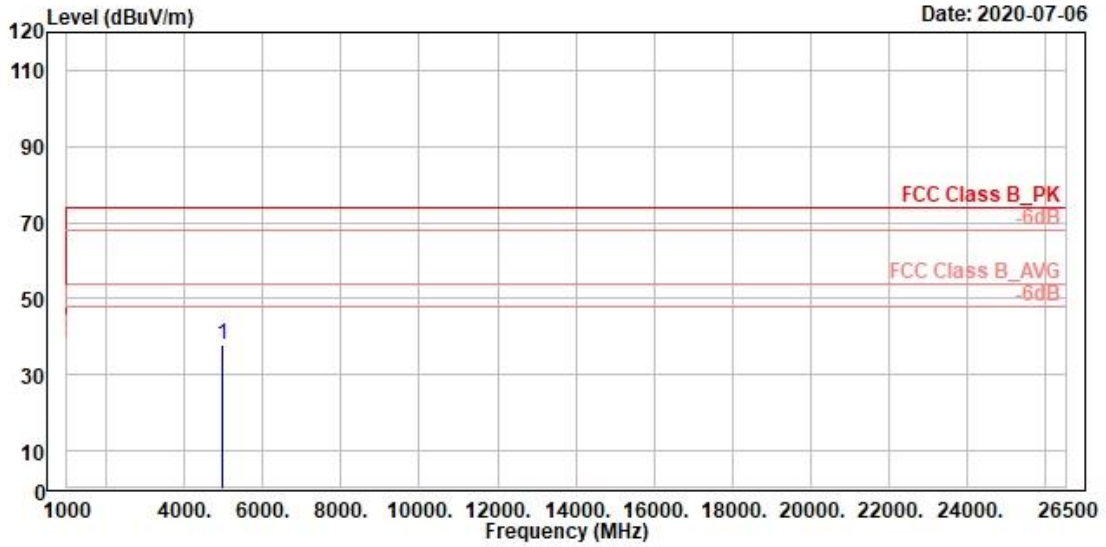
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1	4878.70	38.51	48.57	-10.06	74.00	-35.49	200	31	Peak	vertical	



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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4954.70	38.95	48.68	-9.73	74.00	-35.05	400	284	Peak	horizontal	



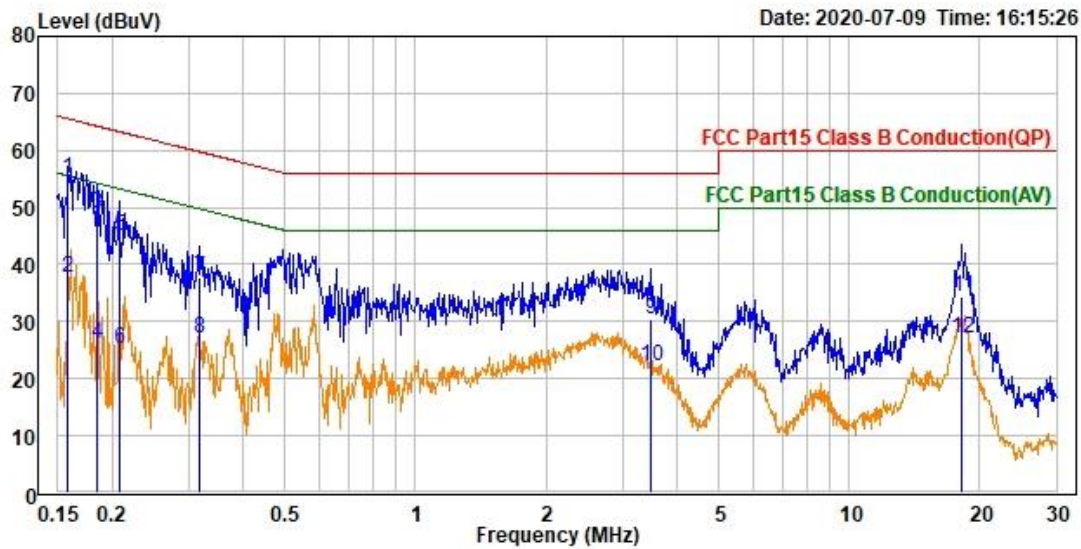
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
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1	4954.70	37.84	47.57	-9.73	74.00	-36.16	300	302	Peak	vertical	

Spurious Emissions, AC Mains

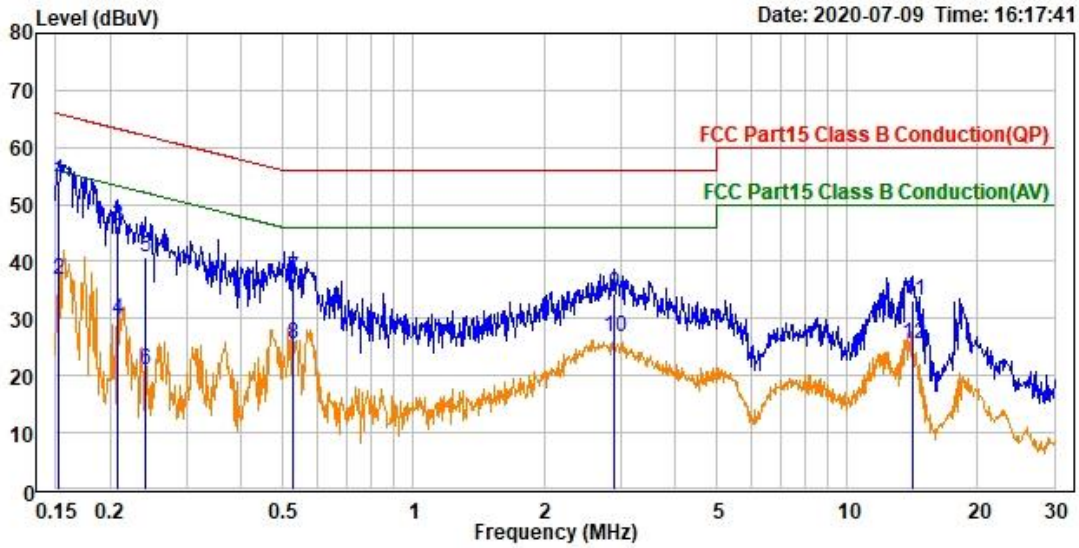
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	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.158	44.97	10.11	55.08	65.54	-10.46	QP	line1
2	0.158	27.71	10.11	37.82	55.54	-17.72	Average	line1
3	0.185	38.92	10.11	49.03	64.26	-15.23	QP	line1
4	0.185	16.03	10.11	26.14	54.26	-28.12	Average	line1
5	0.207	35.05	10.11	45.16	63.31	-18.15	QP	line1
6	0.207	15.02	10.11	25.13	53.31	-28.18	Average	line1
7	0.318	27.63	10.11	37.74	59.75	-22.01	QP	line1
8	0.318	16.92	10.11	27.03	49.75	-22.72	Average	line1
9	3.483	20.34	10.20	30.54	56.00	-25.46	QP	line1
10	3.483	12.09	10.20	22.29	46.00	-23.71	Average	line1
11	18.225	23.72	10.53	34.25	60.00	-25.75	QP	line1
12	18.225	16.40	10.53	26.93	50.00	-23.07	Average	line1



	Read Freq	Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.152	44.10	10.11	54.21	65.88	-11.67	QP	neutral
2	0.152	26.64	10.11	36.75	55.88	-19.13	Average	neutral
3	0.208	36.07	10.11	46.18	63.27	-17.09	QP	neutral
4	0.208	19.61	10.11	29.72	53.27	-23.55	Average	neutral
5	0.241	30.75	10.11	40.86	62.07	-21.21	QP	neutral
6	0.241	10.88	10.11	20.99	52.07	-31.08	Average	neutral
7	0.527	27.00	10.12	37.12	56.00	-18.88	QP	neutral
8	0.527	15.43	10.12	25.55	46.00	-20.45	Average	neutral
9	2.911	24.28	10.19	34.47	56.00	-21.53	QP	neutral
10	2.911	16.65	10.19	26.84	46.00	-19.16	Average	neutral
11	14.204	22.54	10.48	33.02	60.00	-26.98	QP	neutral
12	14.204	14.93	10.48	25.41	50.00	-24.59	Average	neutral