

Test Report No.60395865 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 60395865 001Appendix D)

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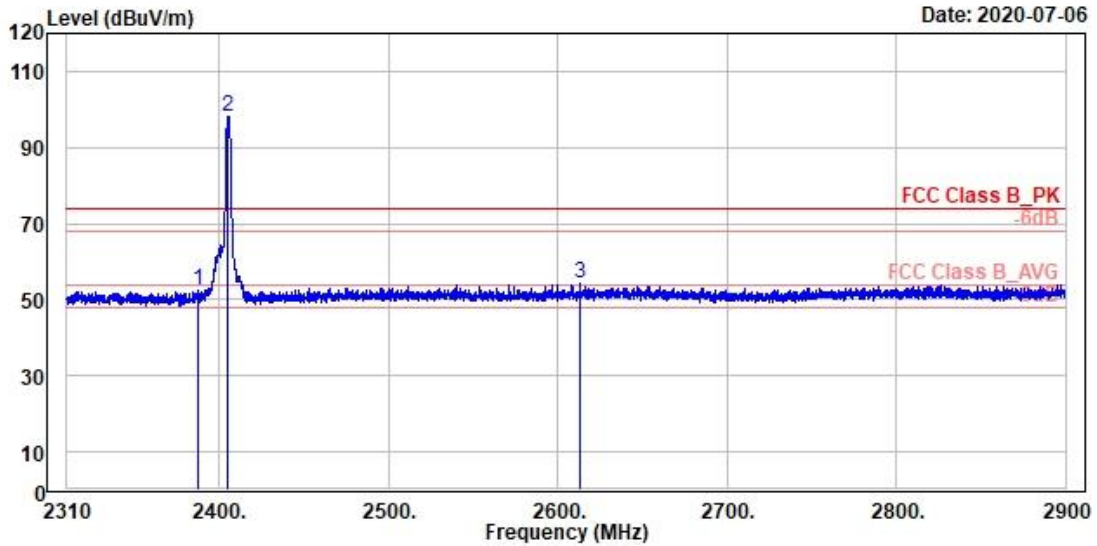
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2405.35MHz

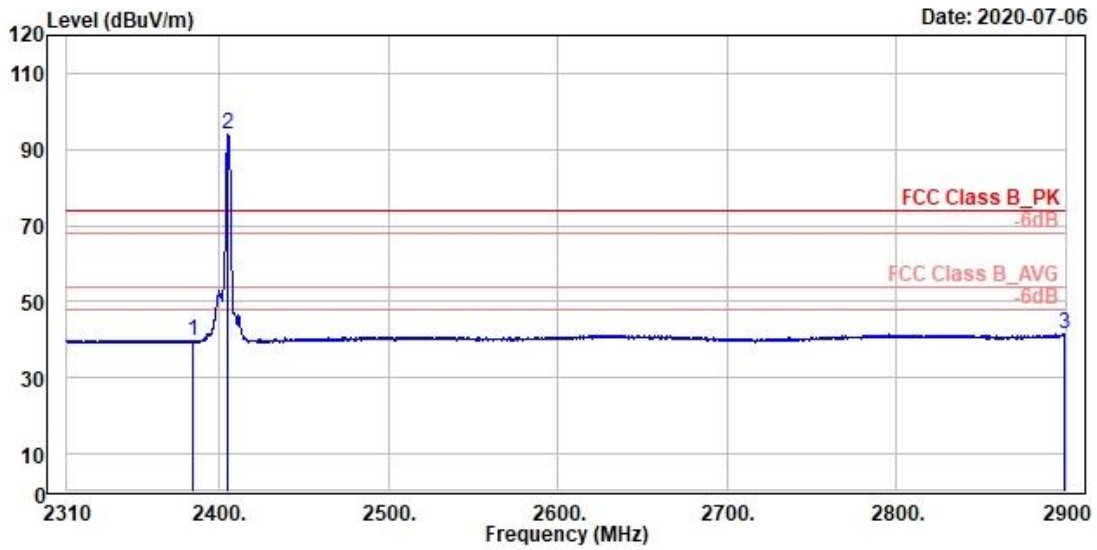


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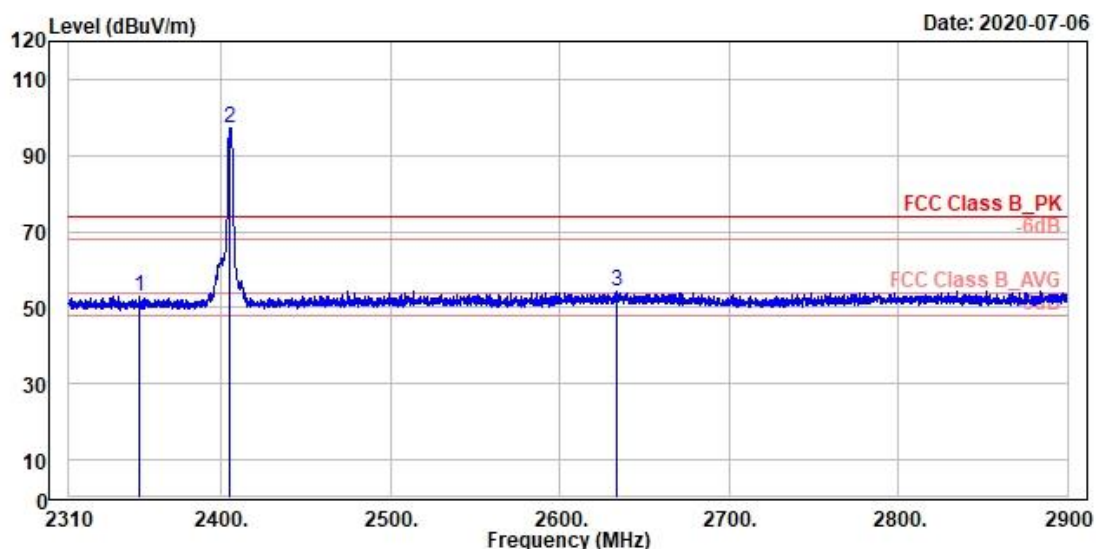
Date: 2020-07-06

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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2387.64	52.49	15.16	37.33	74.00	-21.51	102	130	Peak	Horizontal	
2 *	2405.35	97.97	60.59	37.38	74.00	23.97	102	130	Peak	Horizontal	
3	2613.38	54.33	16.38	37.95	74.00	-19.67	102	130	Peak	Horizontal	

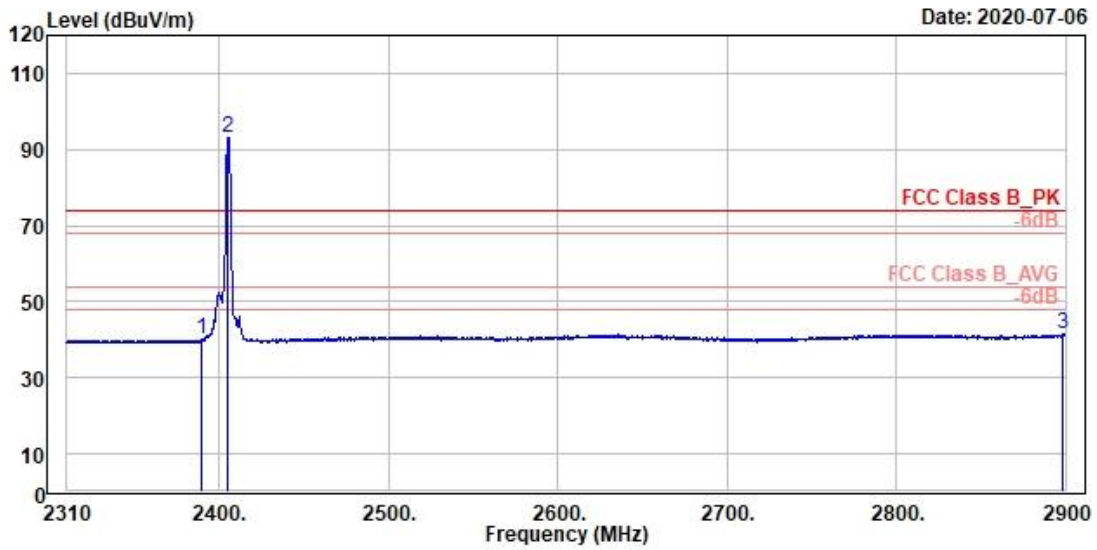


Date: 2020-07-06

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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2384.22	39.88	2.56	37.32	54.00	-14.12	102	130	Average	Horizontal	
2 *	2405.35	93.86	56.48	37.38	54.00	39.86	102	130	Average	Horizontal	
3	2899.17	41.33	3.01	38.32	54.00	-12.67	102	130	Average	Horizontal	



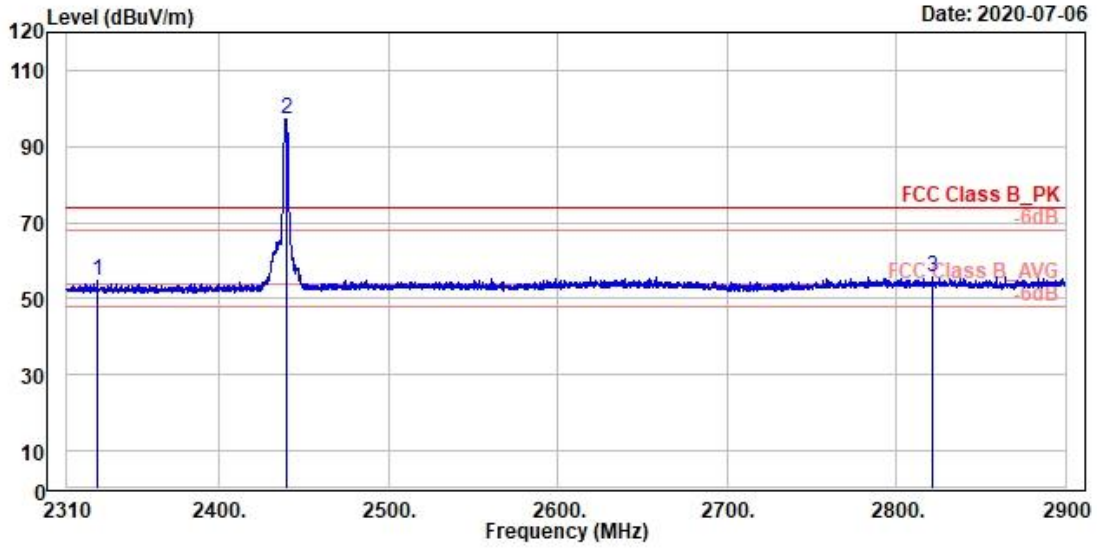
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2351.42	52.96	15.75	37.21	74.00	-21.04	306	236	Peak	Vertical	
2 *	2405.35	97.22	59.84	37.38	74.00	23.22	306	236	Peak	Vertical	
3	2633.79	54.43	16.54	37.89	74.00	-19.57	306	236	Peak	Vertical	



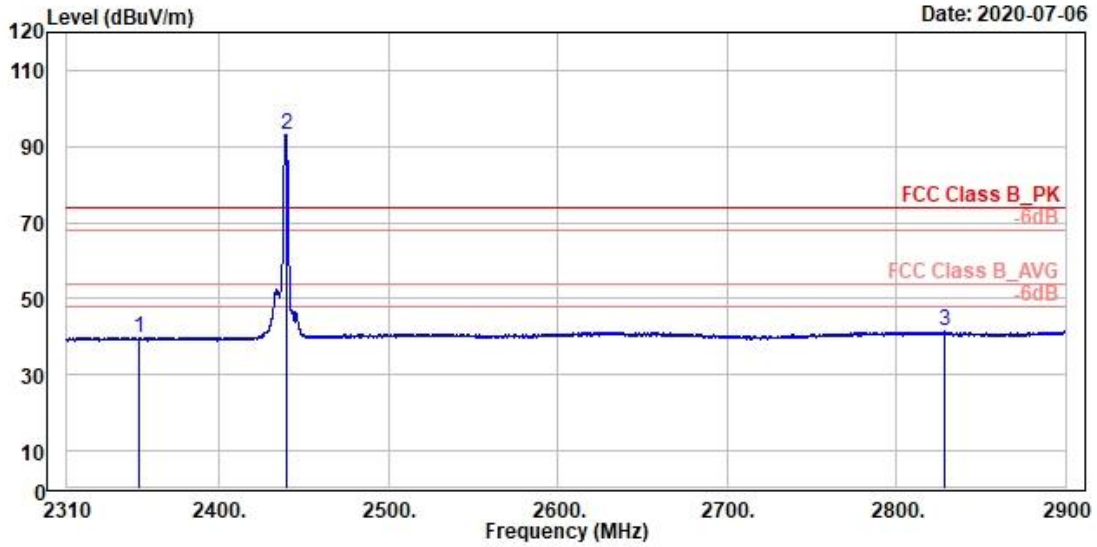
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1	2389.41	40.10	2.77	37.33	54.00	-13.90	306	236	Average	Vertical	
2 *	2405.35	93.26	55.88	37.38	54.00	39.26	306	236	Average	Vertical	
3	2898.47	41.34	3.03	38.31	54.00	-12.66	306	236	Average	Vertical	



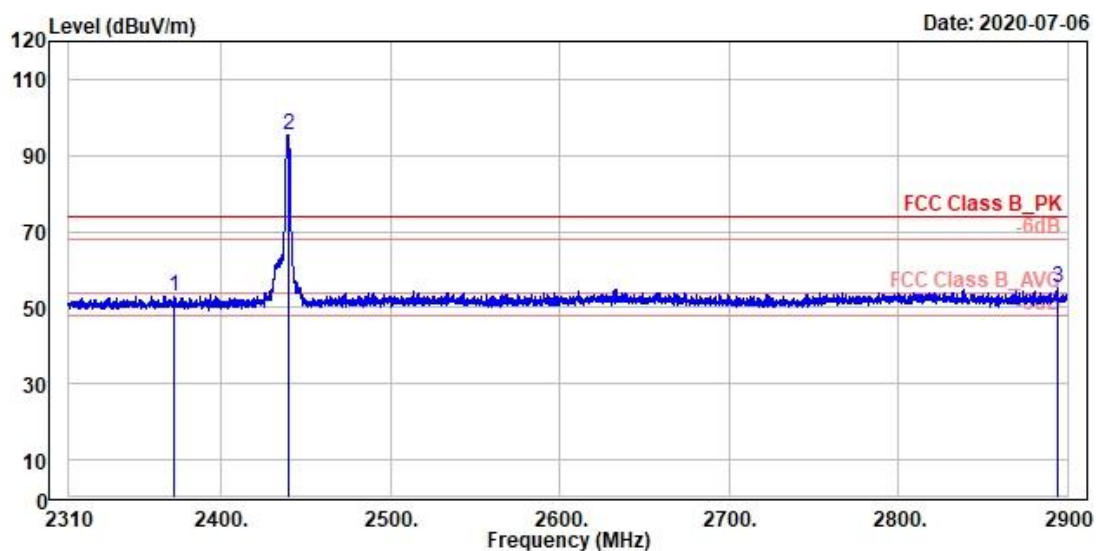
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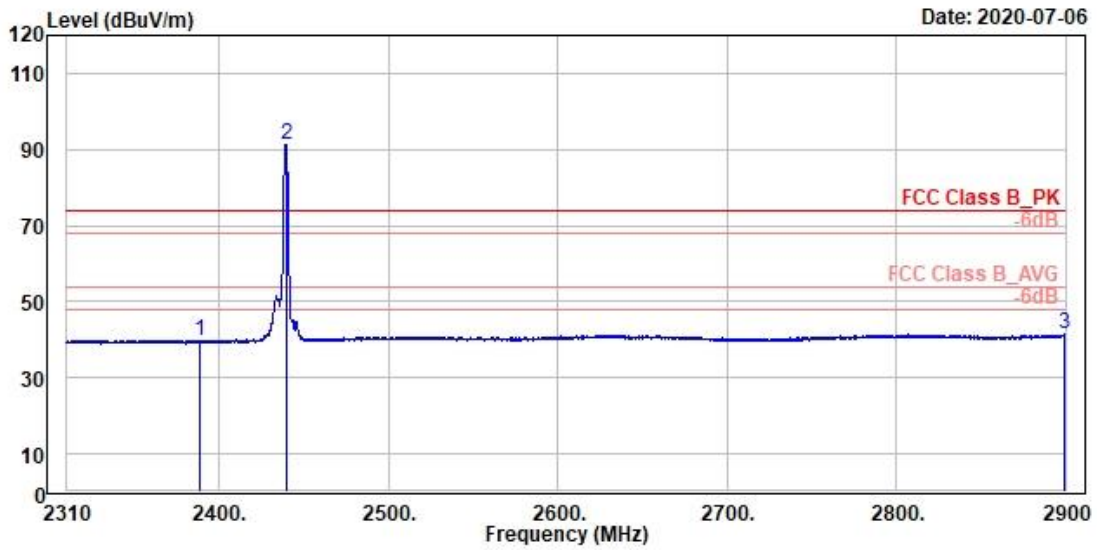
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1	2327.58	54.60	17.46	37.14	74.00	-19.40	296	125	Peak	Horizontal	
2 *	2439.35	97.21	59.72	37.49	74.00	23.21	296	125	Peak	Horizontal	
3	2821.18	55.88	17.91	37.97	74.00	-18.12	296	125	Peak	Horizontal	



	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	2352.36	39.86	2.65	37.21	54.00	-14.14	296	125	Average	Horizontal	
2 *	2439.35	93.16	55.67	37.49	54.00	39.16	296	125	Average	Horizontal	
3	2828.96	41.34	3.34	38.00	54.00	-12.66	296	125	Average	Horizontal	



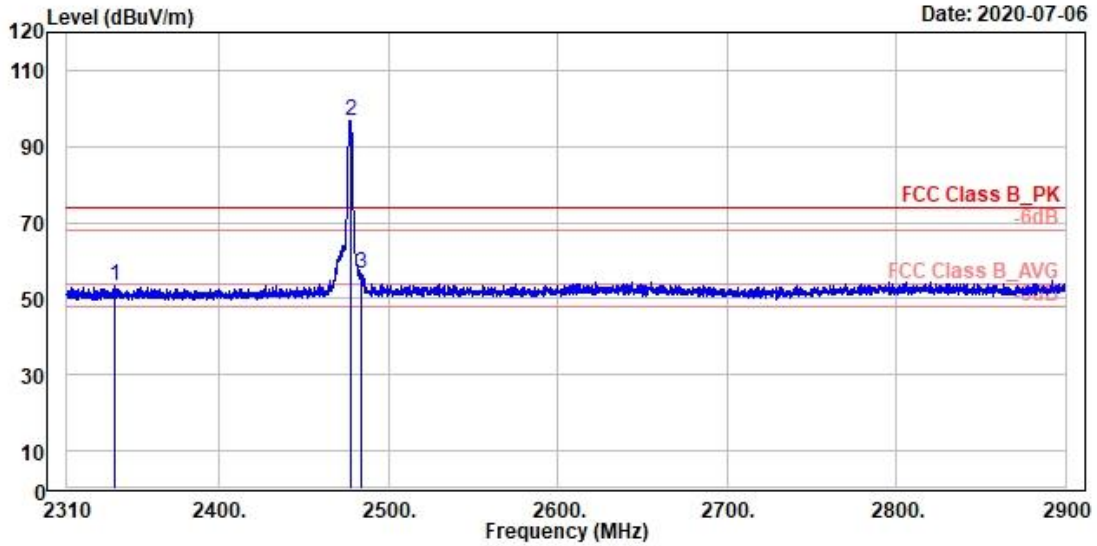
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1	2372.30	53.11	15.84	37.27	74.00	-20.89	273	270	Peak	Vertical	
2 *	2439.35	95.37	57.88	37.49	74.00	21.37	273	270	Peak	Vertical	
3	2894.10	54.99	16.70	38.29	74.00	-19.01	273	270	Peak	Vertical	



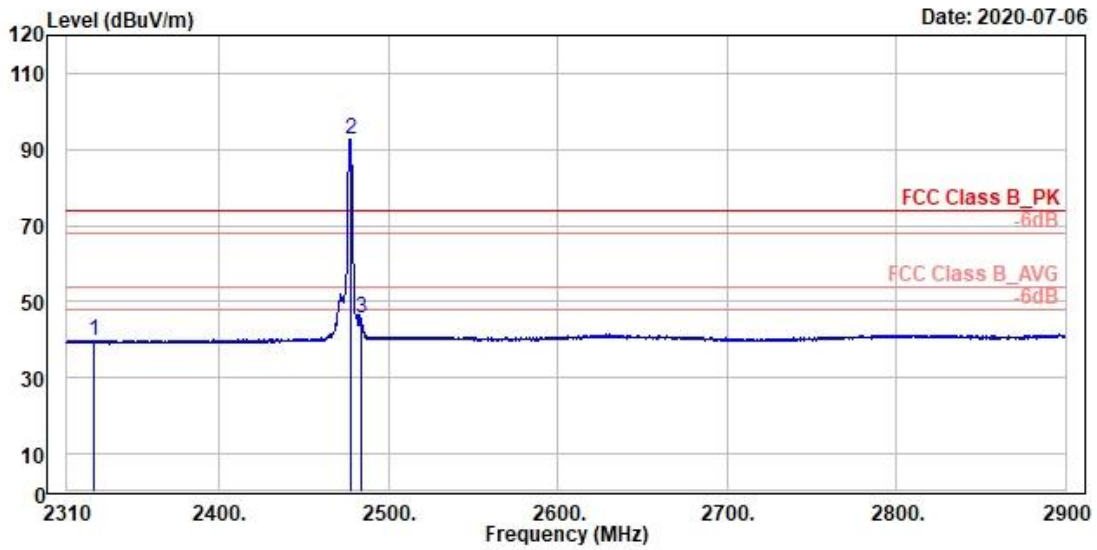
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1	2388.35	39.90	2.57	37.33	54.00	-14.10	273	270	Average	Vertical	
2 *	2439.35	91.17	53.68	37.49	54.00	37.17	273	270	Average	Vertical	
3	2899.29	41.52	3.20	38.32	54.00	-12.48	273	270	Average	Vertical	



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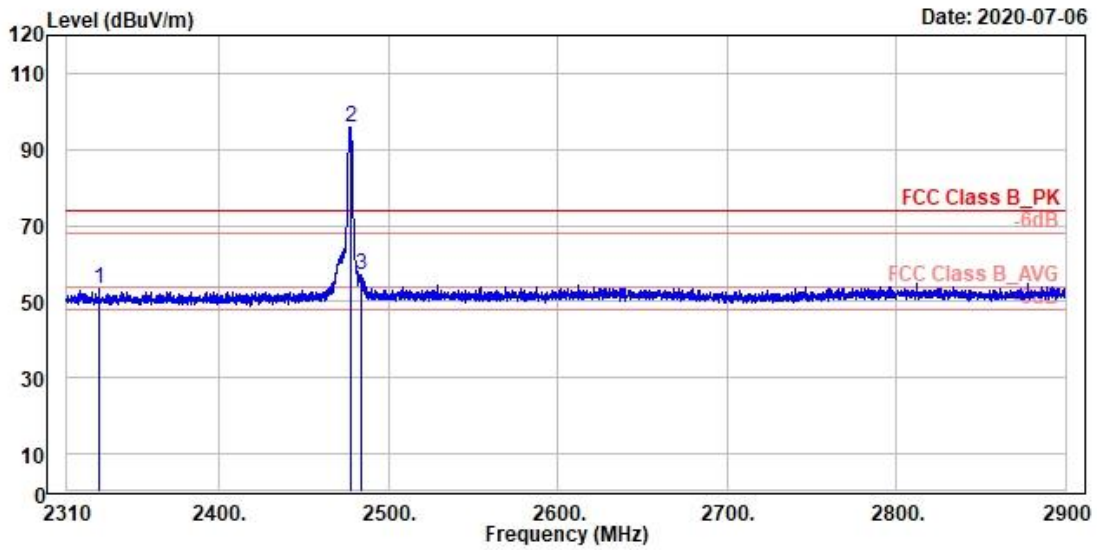


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1	2338.44	53.39	16.22	37.17	74.00	-20.61	100	126	Peak	Horizontal	
2 *	2477.35	96.86	59.31	37.55	74.00	22.86	100	126	Peak	Horizontal	
3	2484.17	56.55	18.99	37.56	74.00	-17.45	100	126	Peak	Horizontal	

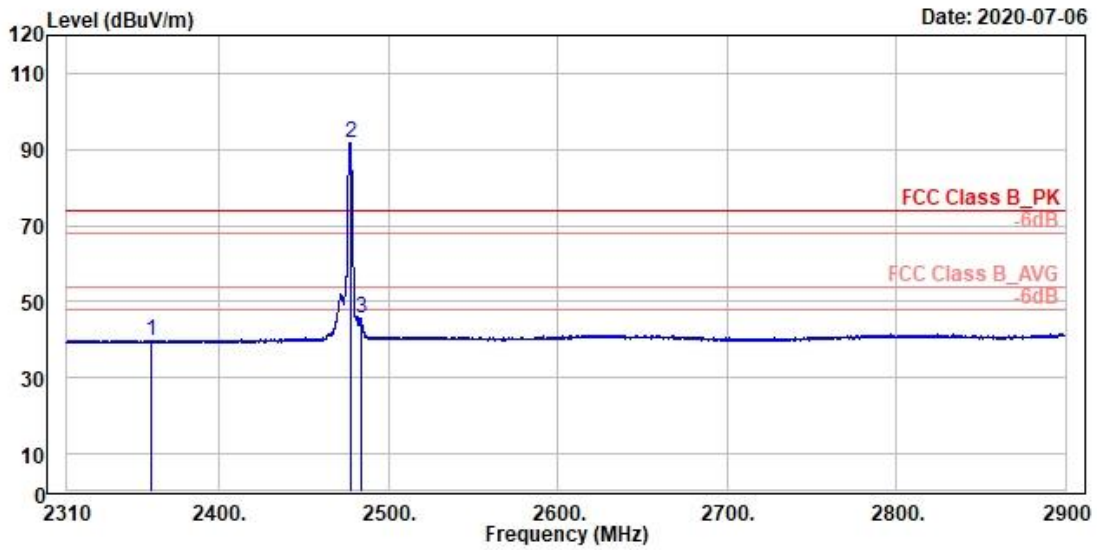


Date: 2020-07-06

	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	2325.58	39.86	2.73	37.13	54.00	-14.14	100	126	Average	Horizontal	
2 *	2477.35	92.80	55.25	37.55	54.00	38.80	100	126	Average	Horizontal	
3	2483.93	45.57	8.01	37.56	54.00	-8.43	100	126	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	2328.64	53.45	16.31	37.14	74.00	-20.55	292	236	Peak	Vertical	
2 *	2477.35	95.65	58.10	37.55	74.00	21.65	292	236	Peak	Vertical	
3	2483.58	57.05	19.49	37.56	74.00	-16.95	292	236	Peak	Vertical	



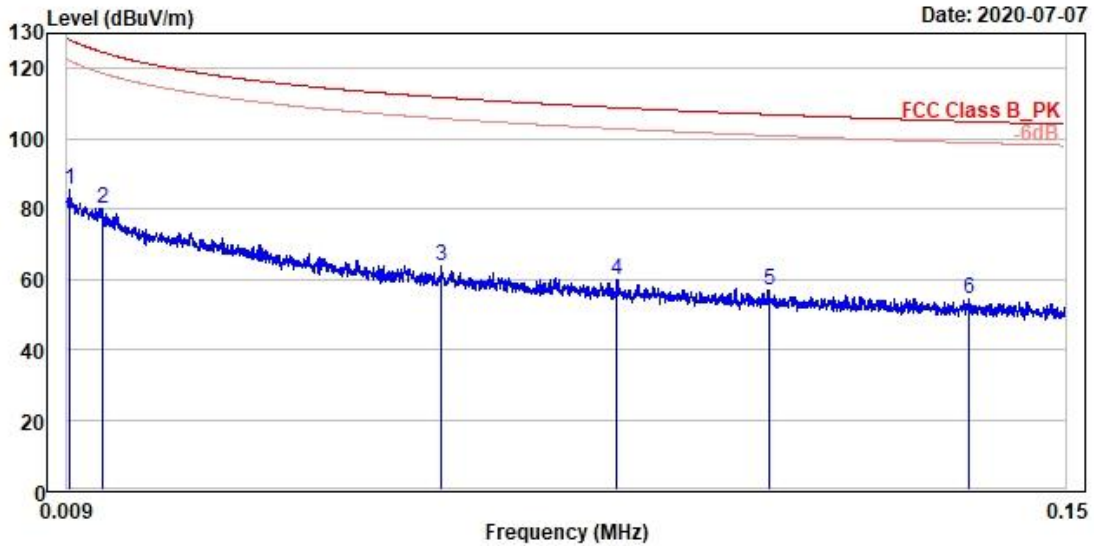
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2360.15	39.90	2.66	37.24	54.00	-14.10	292	236	Average	Vertical	
2 *	2477.35	91.79	54.24	37.55	54.00	37.79	292	236	Average	Vertical	
3	2484.05	45.69	8.13	37.56	54.00	-8.31	292	236	Average	Vertical	

Spurious Emissions, TX Mode, 9kHz-30MHz

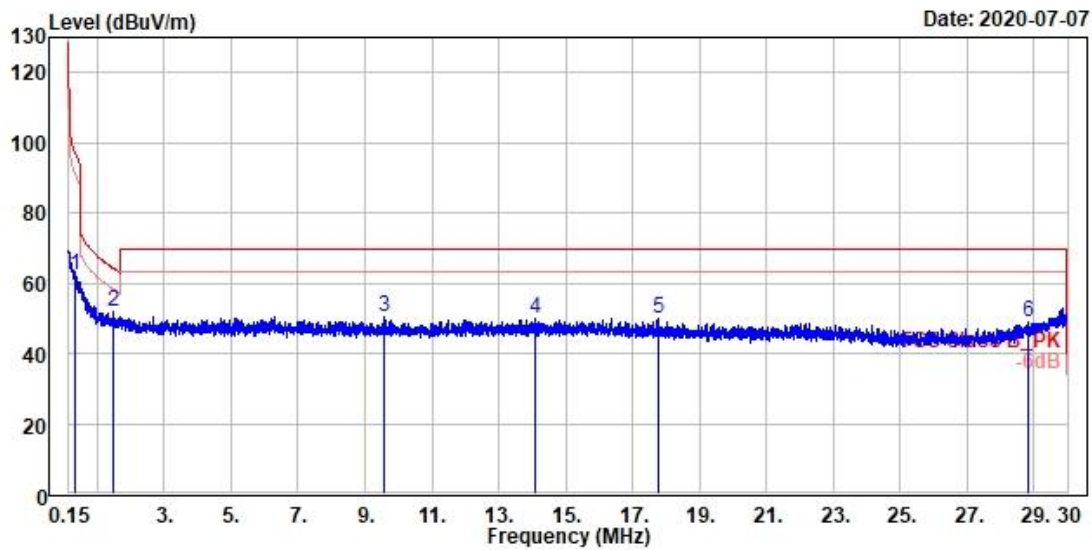
2477.35MHz



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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	0.01	85.34	5.85	79.49	128.11	-42.77	100	170	QP	vertical	
2	0.01	80.31	3.97	76.34	124.69	-44.38	100	254	QP	vertical	
3	0.06	63.66	0.25	63.41	111.77	-48.11	100	98	QP	vertical	
4	0.09	59.94	-0.77	60.71	108.83	-48.89	100	9	QP	vertical	
5	0.11	56.84	-1.94	58.78	106.92	-50.08	100	145	QP	vertical	
6	0.14	54.26	-2.88	57.14	104.90	-50.64	100	91	QP	vertical	



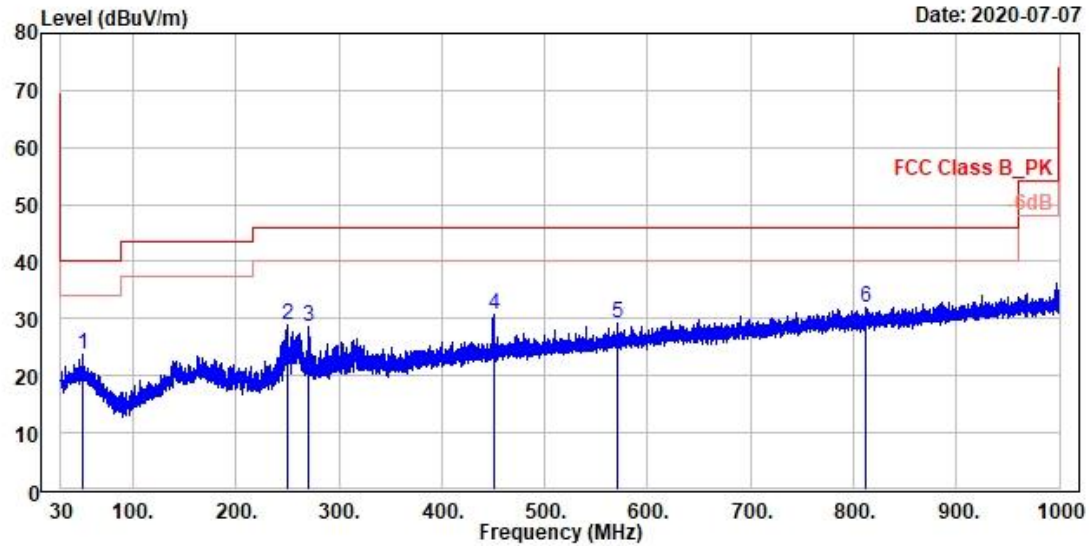
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1	0.35	62.37	13.02	49.35	96.65	-34.28	100	186	QP	vertical	
2	1.48	51.75	12.38	39.37	64.17	-12.42	100	103	QP	vertical	
3	9.55	50.44	12.76	37.68	69.50	-19.06	100	142	QP	vertical	
4	14.07	49.91	12.28	37.63	69.50	-19.59	100	147	QP	vertical	
5	17.75	49.78	12.87	36.91	69.50	-19.72	100	51	QP	vertical	
6	28.85	48.94	12.04	36.90	69.50	-20.56	100	184	QP	vertical	

Spurious Emissions, TX Mode, 30MHz-1GHz

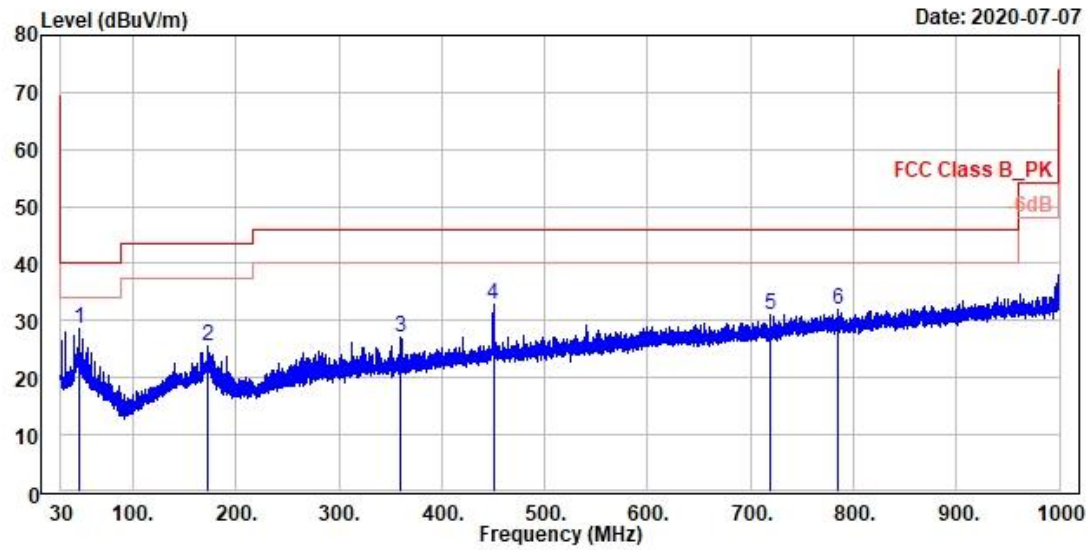
2477.35MHz



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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	51.15	23.58	31.04	-7.46	40.00	-16.42	200	134	QP	horizontal	
2	249.41	28.77	36.86	-8.09	46.00	-17.23	100	166	QP	horizontal	
3	270.37	28.53	35.94	-7.41	46.00	-17.47	100	162	QP	horizontal	
4	450.30	30.83	34.56	-3.73	46.00	-15.17	300	252	QP	horizontal	
5	570.29	29.15	30.97	-1.82	46.00	-16.85	200	116	QP	horizontal	
6	811.53	31.98	30.05	1.93	46.00	-14.02	100	253	QP	horizontal	



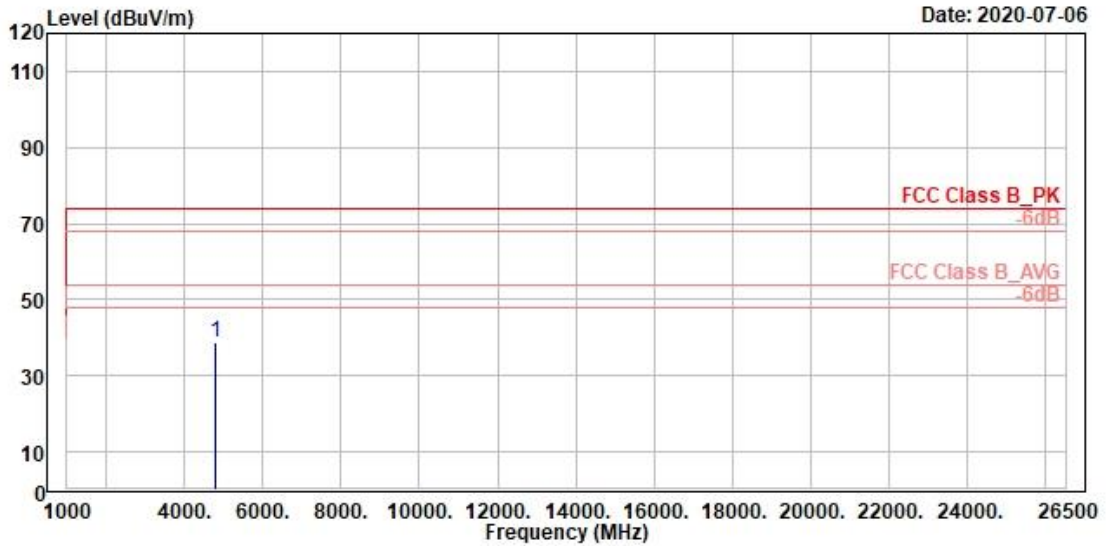
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	47.07	28.60	36.14	-7.54	40.00	-11.40	100	351	QP	vertical	
2	172.40	25.42	32.88	-7.46	43.50	-18.08	100	359	QP	vertical	
3	360.09	27.08	32.61	-5.53	46.00	-18.92	174	360	QP	vertical	
4	450.11	32.70	36.44	-3.74	46.00	-13.30	100	331	QP	vertical	
5	719.57	31.16	30.67	0.49	46.00	-14.84	200	276	QP	vertical	
6	785.73	31.84	30.29	1.55	46.00	-14.16	100	106	QP	vertical	

Spurious Emissions, TX Mode, 1GHz-26.5GHz

2405.35MHz

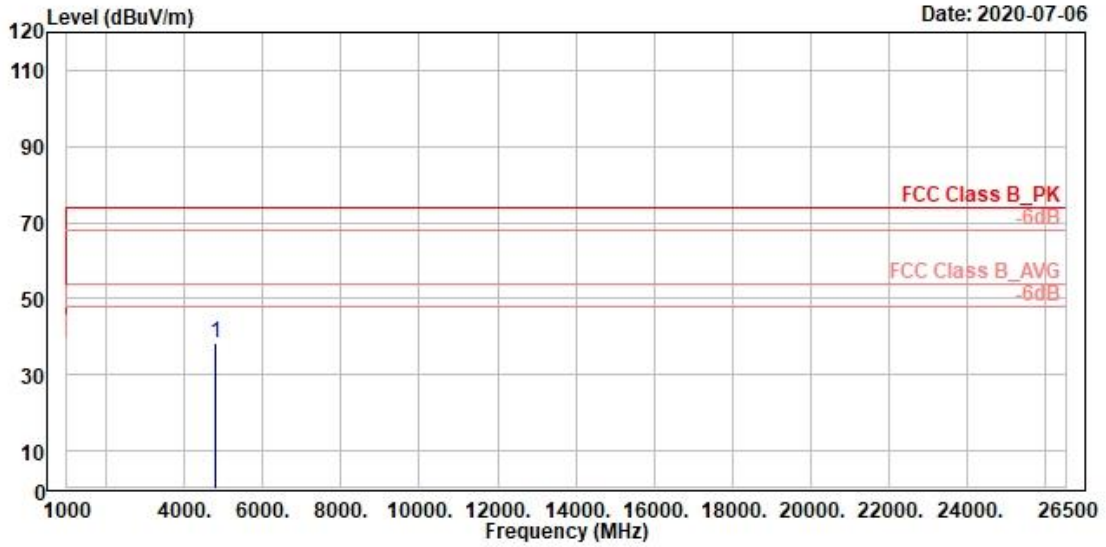


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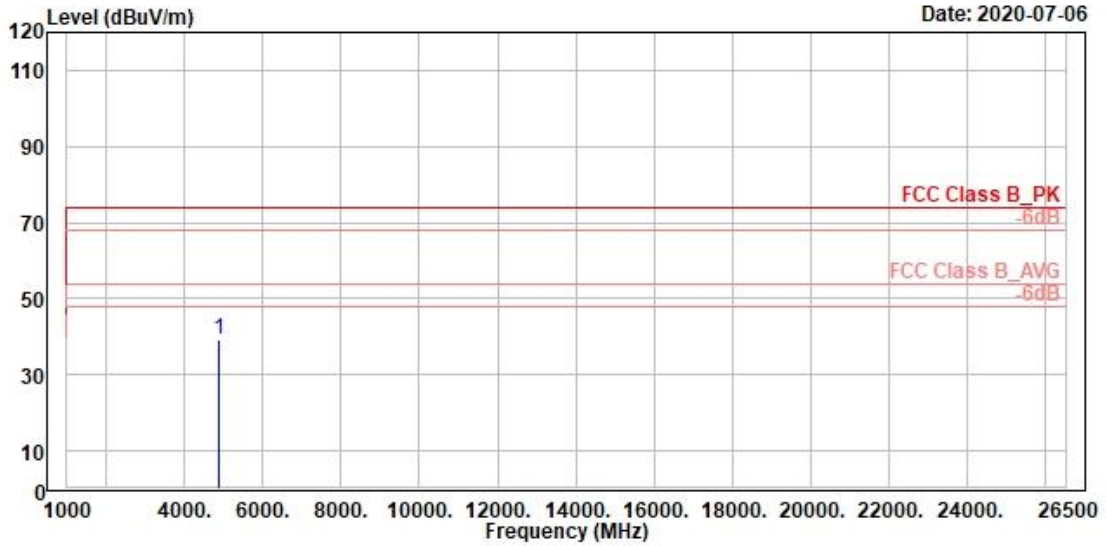
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1	4810.70	38.91	49.09	-10.18	74.00	-35.09	300	60	Peak	horizontal	



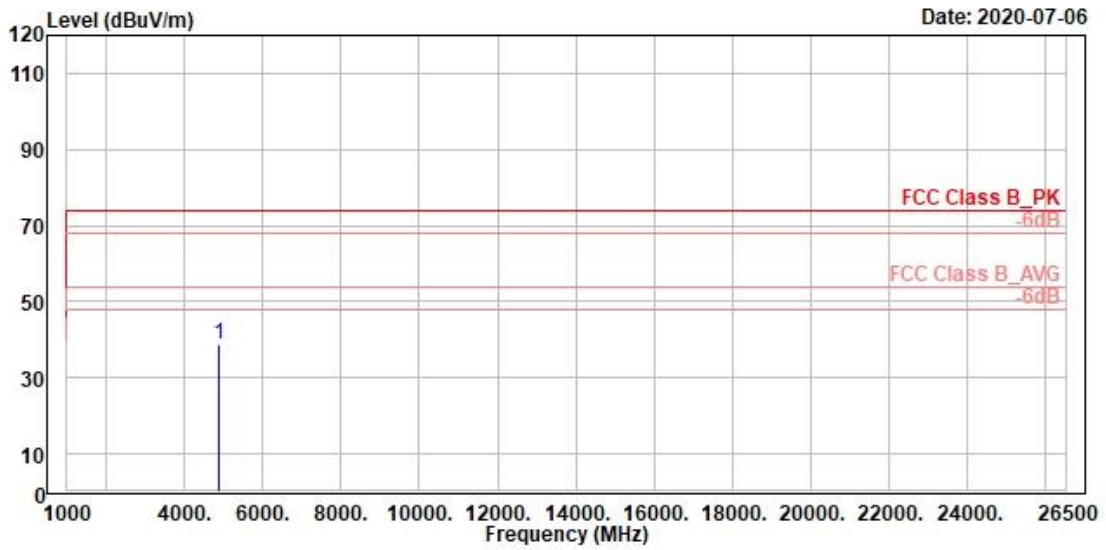
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1	4810.70	38.14	48.32	-10.18	74.00	-35.86	100	305	Peak	vertical	



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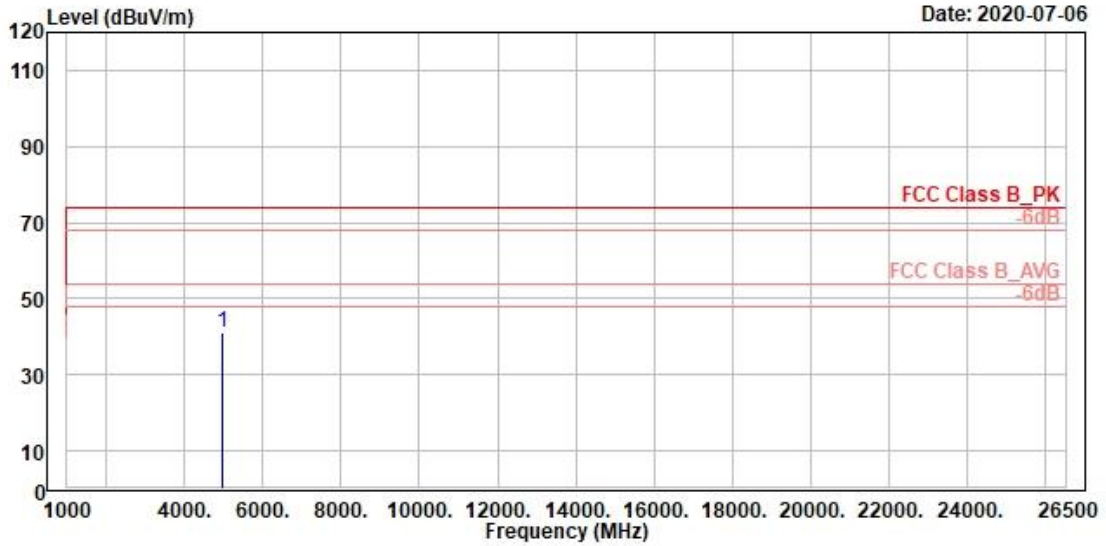
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1	4878.70	39.26	49.32	-10.06	74.00	-34.74	100	74	Peak	horizontal	



	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	4878.70	38.92	48.98	-10.06	74.00	-35.08	133	26	Peak	vertical	

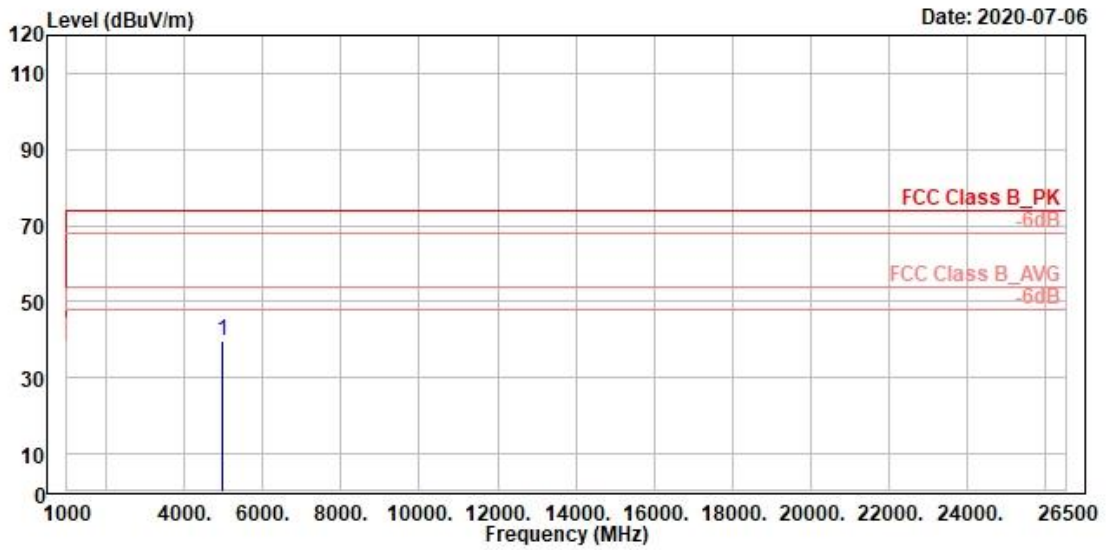


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Date: 2020-07-06

	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	41.00	50.73	-9.73	74.00	-33.00	400	76	Peak	horizontal	



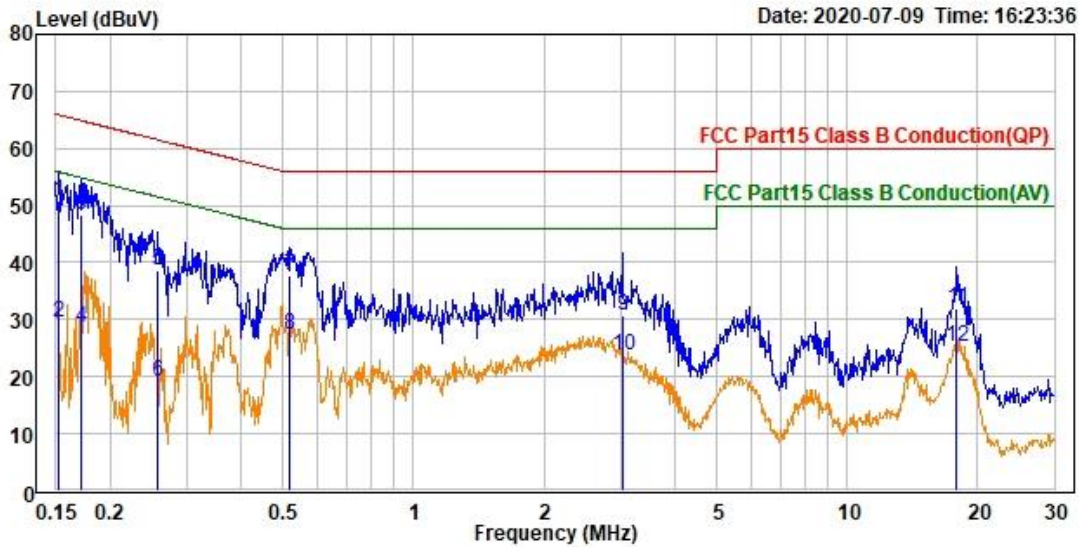
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4954.70	39.49	49.22	-9.73	74.00	-34.51	100	274	Peak	vertical	

Spurious Emissions, AC Mains

2477.35MHz

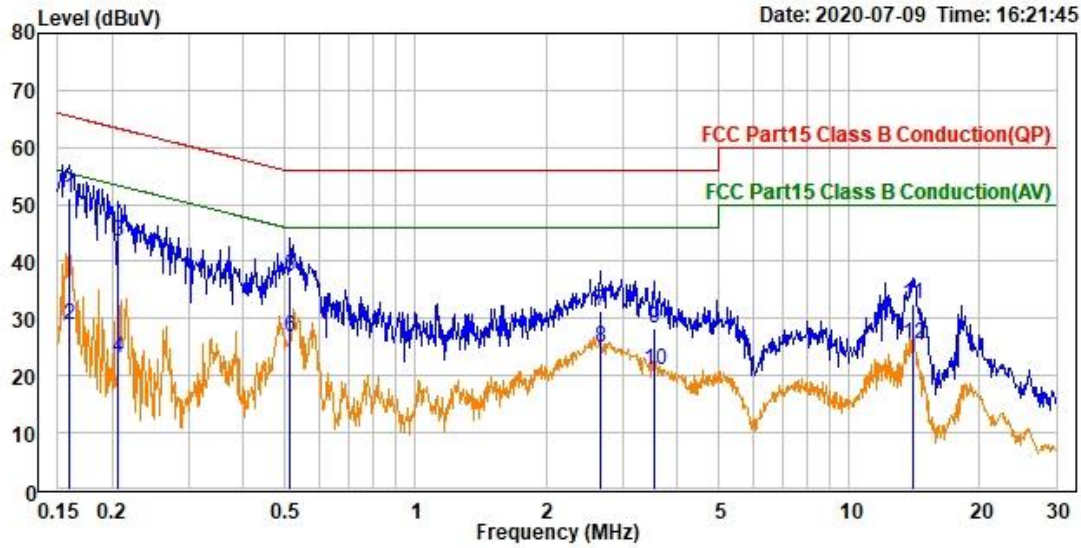


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Date: 2020-07-09 Time: 16:23:36

	Read Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.152	40.79	10.11	50.90	65.88	-14.98	QP	line1
2	0.152	19.52	10.11	29.63	55.88	-26.25	Average	line1
3	0.171	38.25	10.11	48.36	64.92	-16.56	QP	line1
4	0.171	18.44	10.11	28.55	54.92	-26.37	Average	line1
5	0.258	28.55	10.11	38.66	61.49	-22.83	QP	line1
6	0.258	8.95	10.11	19.06	51.49	-32.43	Average	line1
7	0.519	27.63	10.12	37.75	56.00	-18.25	QP	line1
8	0.519	17.17	10.12	27.29	46.00	-18.71	Average	line1
9	3.030	20.61	10.20	30.81	56.00	-25.19	QP	line1
10	3.030	13.44	10.20	23.64	46.00	-22.36	Average	line1
11	17.865	21.40	10.53	31.93	60.00	-28.07	QP	line1
12	17.865	14.74	10.53	25.27	50.00	-24.73	Average	line1



	Read Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.159	40.98	10.11	51.09	65.50	-14.41	QP	neutral
2	0.159	18.94	10.11	29.05	55.50	-26.45	Average	neutral
3	0.206	33.50	10.11	43.61	63.35	-19.74	QP	neutral
4	0.206	12.94	10.11	23.05	53.35	-30.30	Average	neutral
5	0.514	27.16	10.12	37.28	56.00	-18.72	QP	neutral
6	0.514	16.76	10.12	26.88	46.00	-19.12	Average	neutral
7	2.675	21.30	10.17	31.47	56.00	-24.53	QP	neutral
8	2.675	14.80	10.17	24.97	46.00	-21.03	Average	neutral
9	3.553	18.24	10.19	28.43	56.00	-27.57	QP	neutral
10	3.553	10.73	10.19	20.92	46.00	-25.08	Average	neutral
11	13.994	22.20	10.48	32.68	60.00	-27.32	QP	neutral
12	13.994	15.07	10.48	25.55	50.00	-24.45	Average	neutral