

# Test Report No.50339904 001

## Appendix D: Radiated and Mains Spurious Emission Data

(File: 50339904 001AppendixD)

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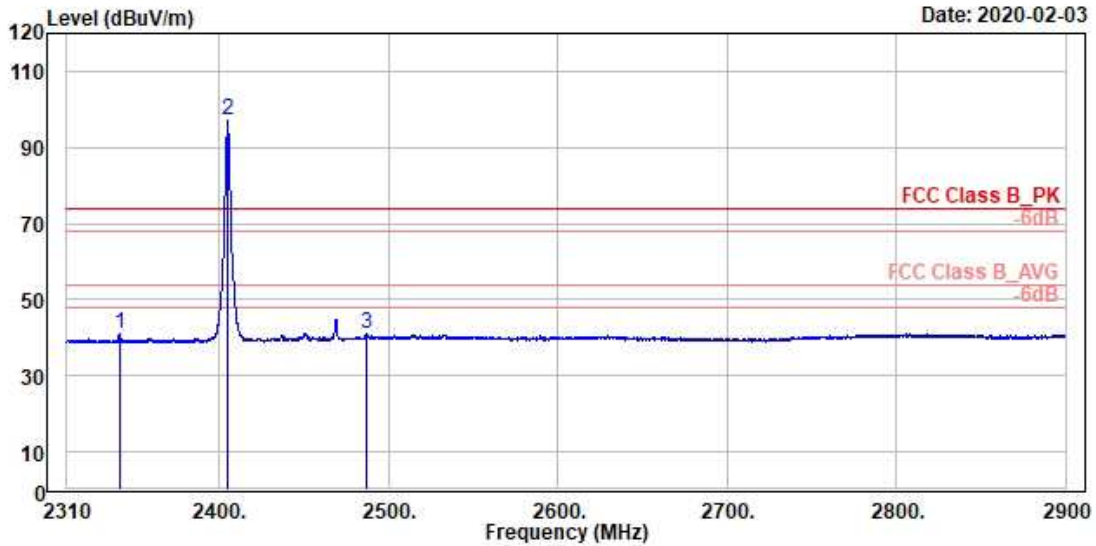
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# Spurious Emissions, Band Edges (802.15.4)

2405MHz\_Horizontal\_Average



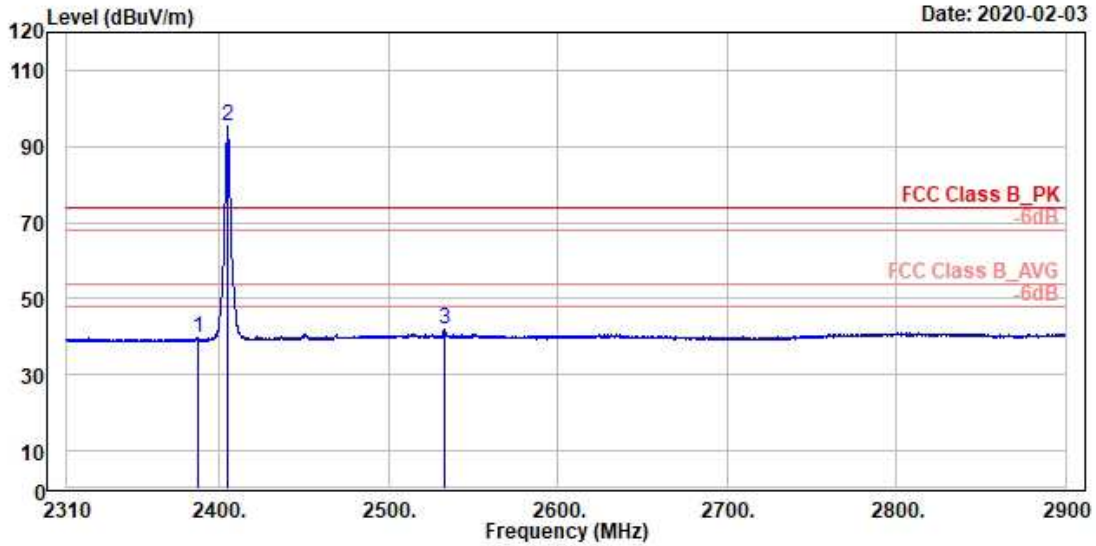
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2341.152	40.93	3.77	37.16	54.00	-13.07	144	176	Average	Horizontal
2 *	2405.000	97.12	59.96	37.16	54.00	43.12	144	176	Average	Horizontal
3	2486.764	40.98	3.39	37.59	54.00	-13.02	144	176	Average	Horizontal



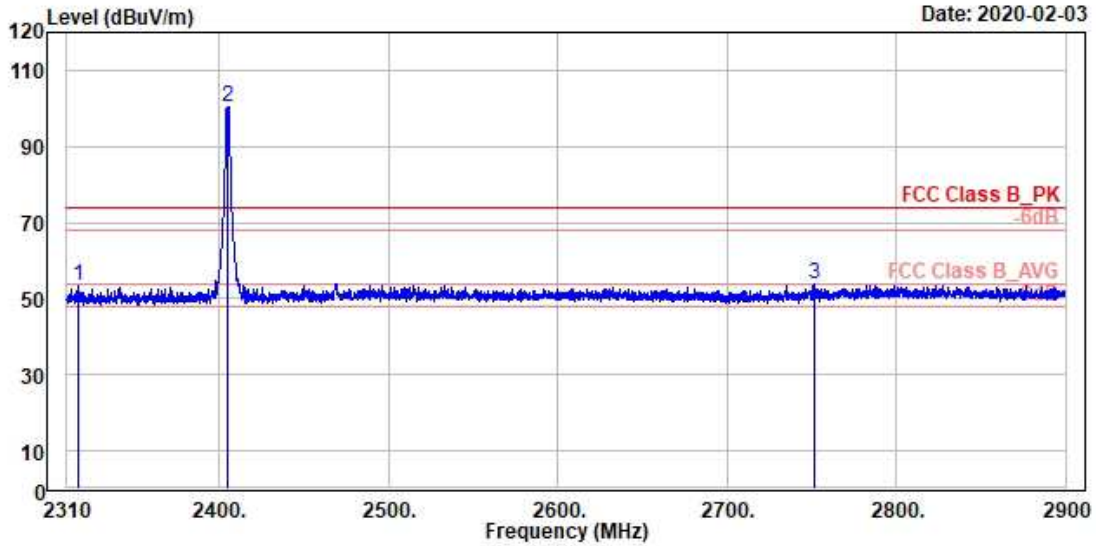
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2387.054	39.55	2.40	37.15	54.00	-14.45	298	290	Average	Vertical
2	* 2404.990	95.36	58.20	37.16	54.00	41.36	298	290	Average	Vertical
3	2532.784	41.95	4.12	37.83	54.00	-12.05	298	290	Average	Vertical



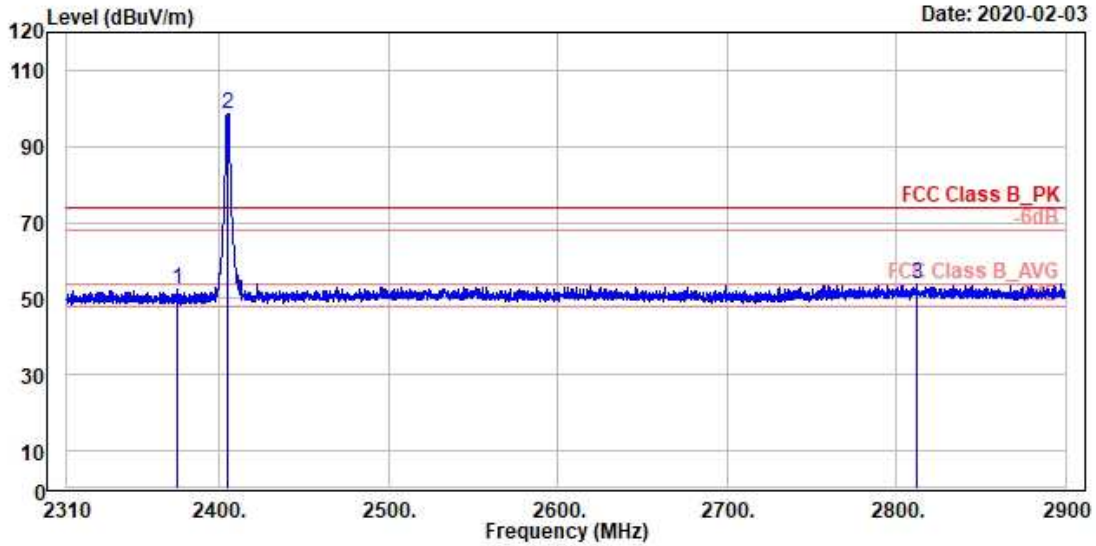
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2317.080	53.25	16.12	37.13	74.00	-20.75	144	176	Peak	Horizontal
2	* 2405.000	100.44	63.28	37.16	74.00	26.44	144	176	Peak	Horizontal
3	2752.146	53.78	15.71	38.07	74.00	-20.22	144	176	Peak	Horizontal



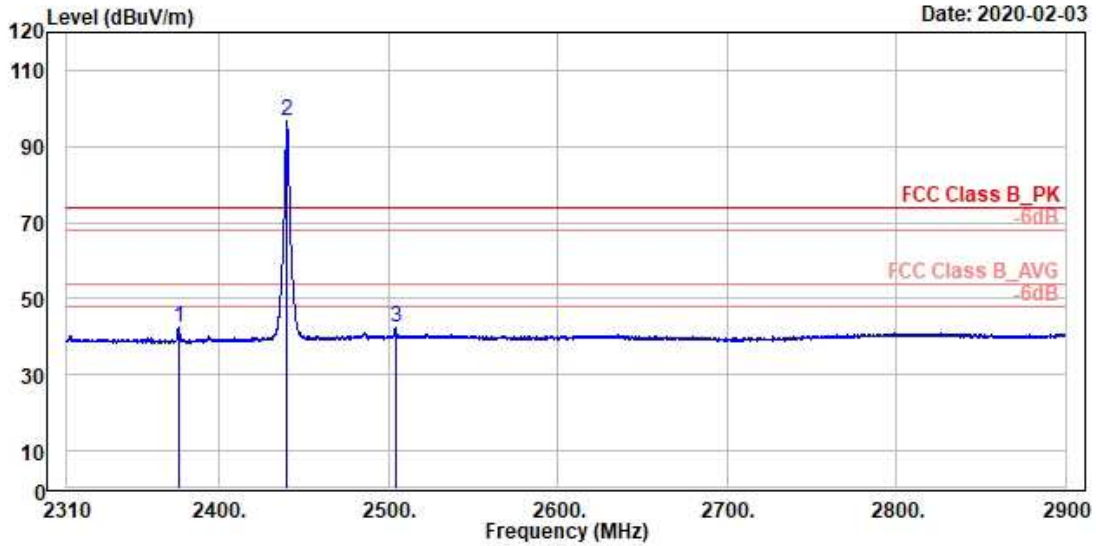
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2375.490	52.30	15.14	37.16	74.00	-21.70	298	290	Peak	Vertical
2 *	2405.000	98.68	61.52	37.16	74.00	24.68	298	290	Peak	Vertical
3	2812.326	53.81	15.69	38.12	74.00	-20.19	298	290	Peak	Vertical



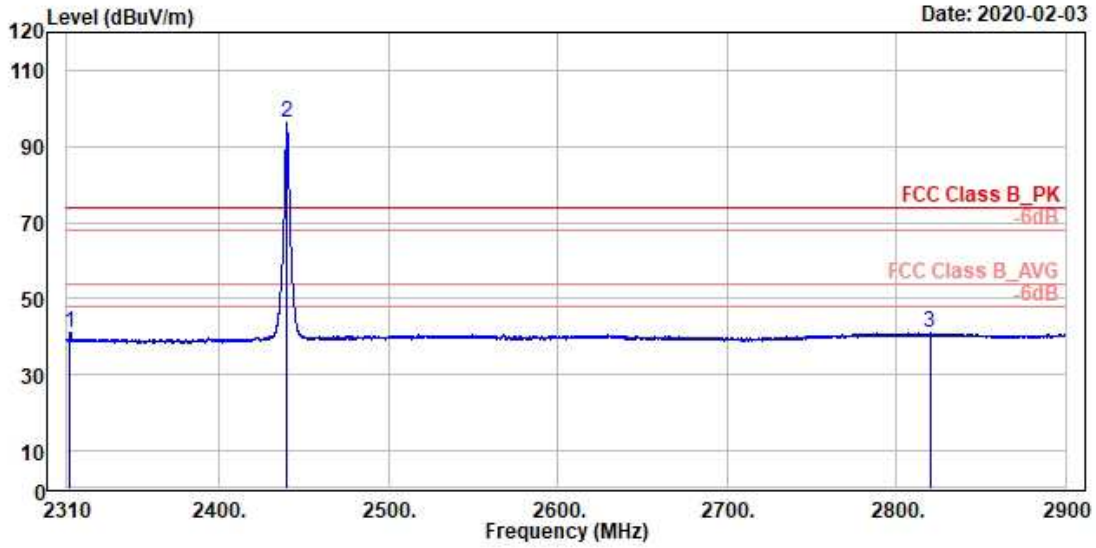
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2375.844	42.38	5.22	37.16	54.00	-11.62	102	285	Average	Horizontal
2	* 2440.000	96.68	59.33	37.35	54.00	42.68	102	285	Average	Horizontal
3	2503.992	42.24	4.56	37.68	54.00	-11.76	102	285	Average	Horizontal



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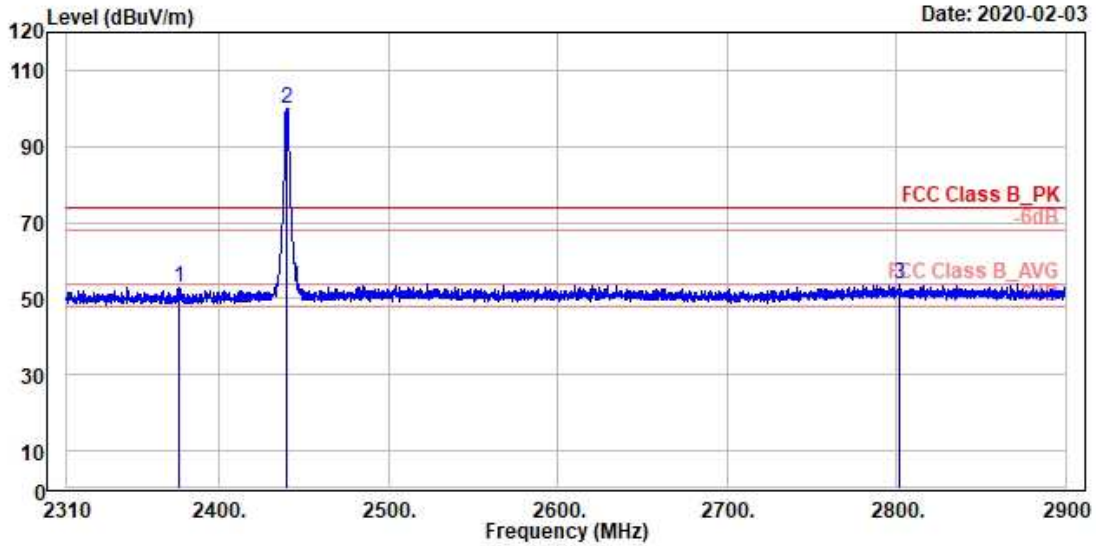


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2311.652	41.21	4.08	37.13	54.00	-12.79	294	290	Average	Vertical
2 *	2440.000	96.23	58.88	37.35	54.00	42.23	294	290	Average	Vertical
3	2819.996	40.95	2.84	38.11	54.00	-13.05	294	290	Average	Vertical





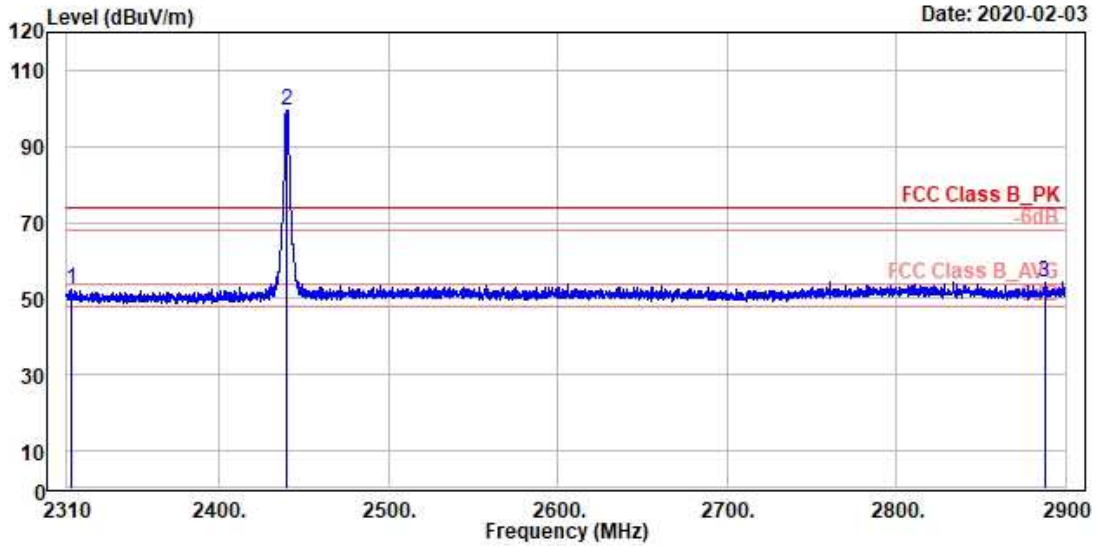
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2375.844	52.79	15.63	37.16	74.00	-21.21	102	285	Peak	Horizontal
2	* 2440.000	100.04	62.69	37.35	74.00	26.04	102	285	Peak	Horizontal
3	2801.706	53.91	15.78	38.13	74.00	-20.09	102	285	Peak	Horizontal



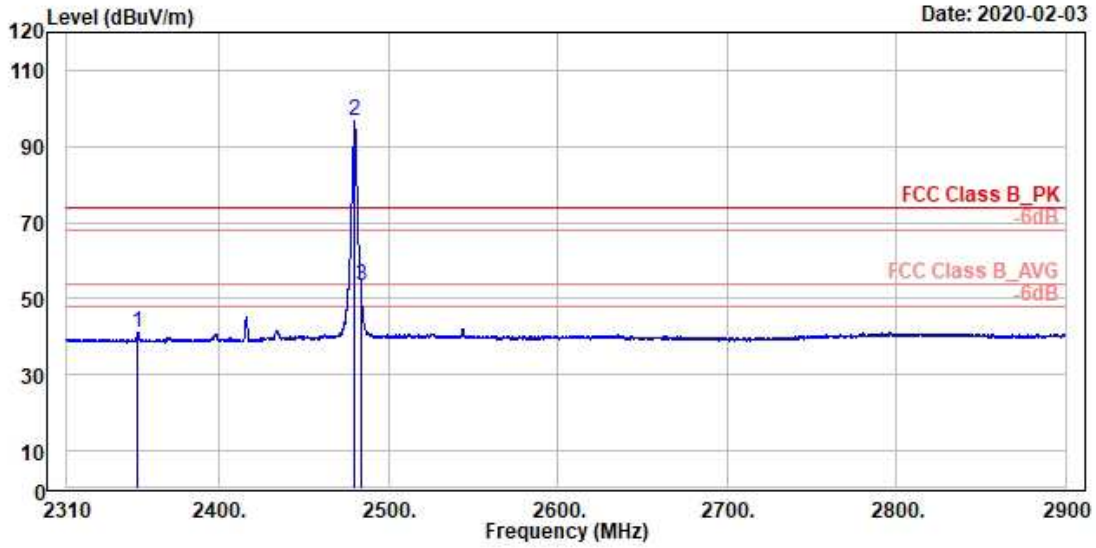
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2312.478	52.35	15.22	37.13	74.00	-21.65	294	290	Peak	Vertical
2	* 2440.000	99.40	62.05	37.35	74.00	25.40	294	290	Peak	Vertical
3	2887.728	54.38	16.33	38.05	74.00	-19.62	294	290	Peak	Vertical



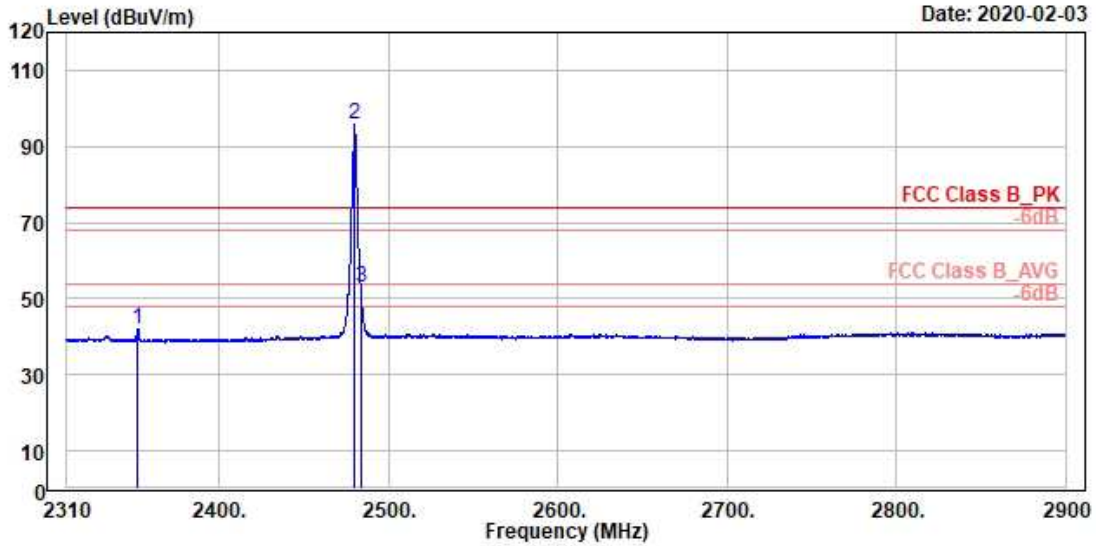
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2351.772	41.23	4.05	37.18	54.00	-12.77	110	176	Average	Horizontal
2 *	2480.000	96.83	59.27	37.56	54.00	42.83	110	176	Average	Horizontal
3 !	2483.500	53.52	15.95	37.57	54.00	-0.48	110	176	Average	Horizontal



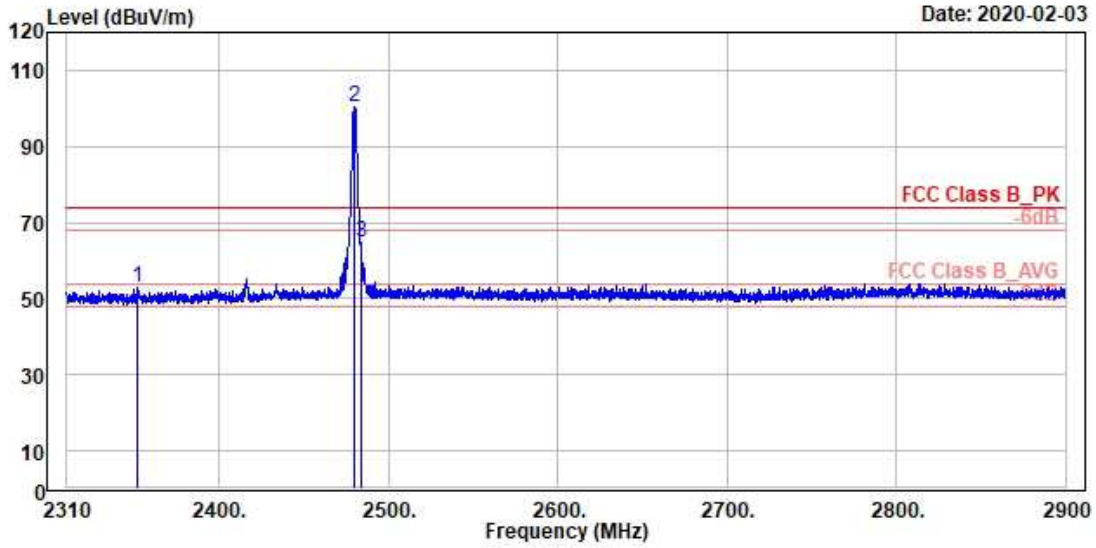
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2352.008	42.10	4.92	37.18	54.00	-11.90	282	288	Average	Vertical
2 *	2480.038	95.63	58.07	37.56	54.00	41.63	282	288	Average	Vertical
3 !	2483.460	52.83	15.26	37.57	54.00	-1.17	282	288	Average	Vertical



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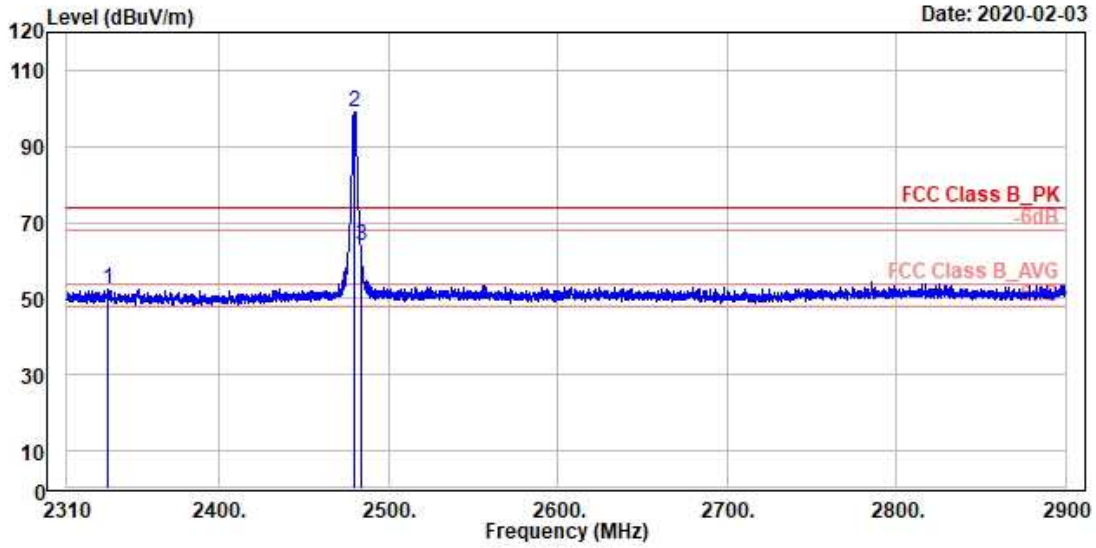


Date: 2020-02-03

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2352.008	53.05	15.87	37.18	74.00	-20.95	110	176	Peak	Horizontal
2	* 2480.000	100.29	62.73	37.56	74.00	26.29	110	176	Peak	Horizontal
3	2483.578	64.63	27.06	37.57	74.00	-9.37	110	176	Peak	Horizontal



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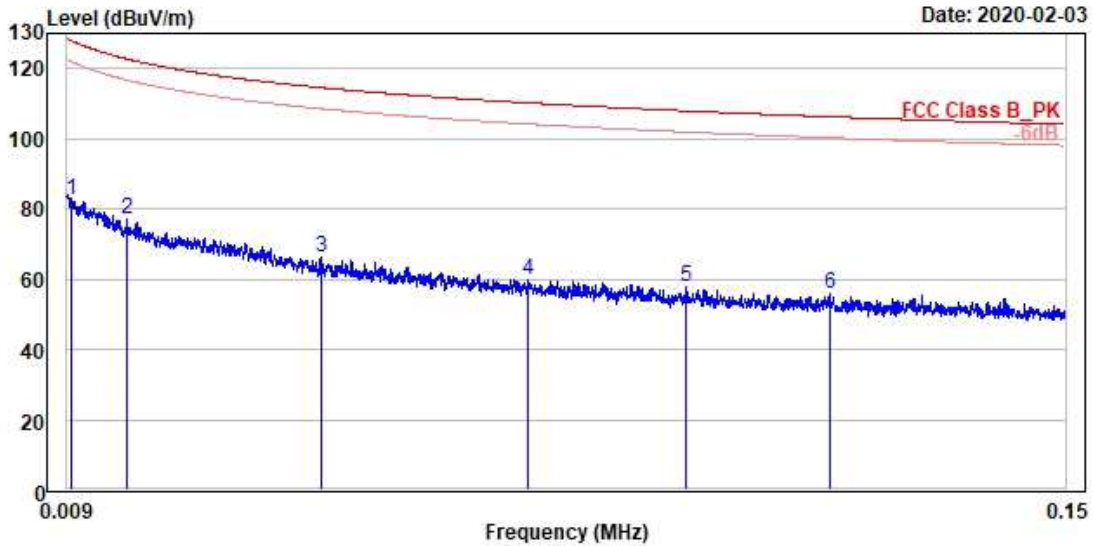
Date: 2020-02-03

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2334.190	52.62	15.47	37.15	74.00	-21.38	282	288	Peak	Vertical
2 *	2479.566	99.01	61.46	37.55	74.00	25.01	282	288	Peak	Vertical
3	2483.500	63.90	26.33	37.57	74.00	-10.10	282	288	Peak	Vertical

# Spurious Emissions, TX Mode, 9kHz-30MHz (802.15.4)

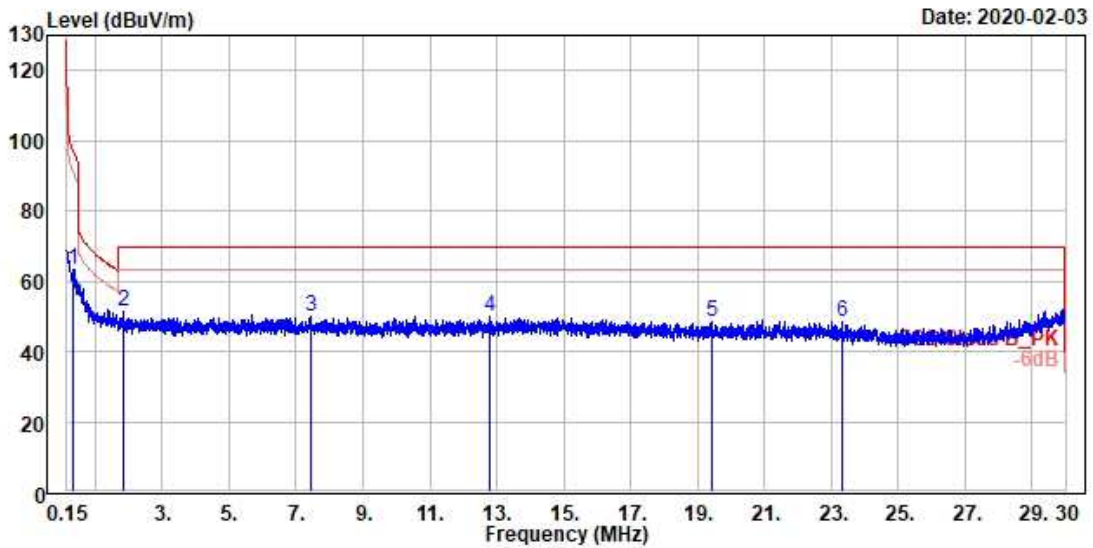


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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.010	82.62	3.42	79.20	127.87	-45.25	100	185	QP	vertical
2	0.017	76.91	2.78	74.13	122.74	-45.83	100	2	QP	vertical
3	0.045	66.01	-0.30	66.31	114.54	-48.53	100	68	QP	vertical
4	0.074	59.95	-1.95	61.90	110.20	-50.25	100	360	QP	vertical
5	0.096	58.06	-1.62	59.68	107.92	-49.86	100	272	QP	vertical
6	0.117	55.97	-2.31	58.28	106.26	-50.29	100	249	QP	vertical





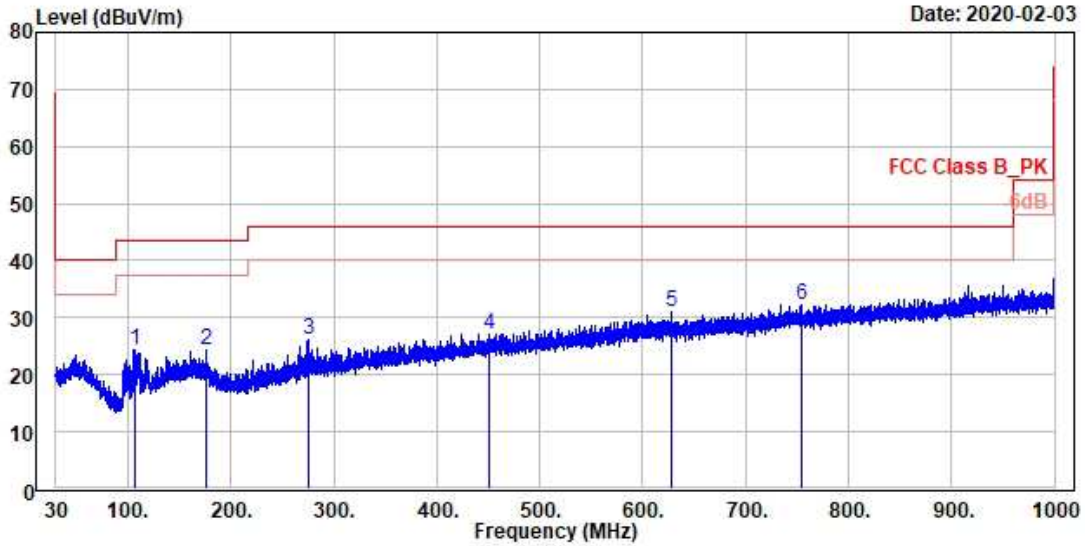
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.356	63.49	14.21	49.28	96.57	-33.08	100	92	QP	vertical
2	1.848	51.25	12.36	38.89	69.50	-18.25	100	192	QP	vertical
3	7.430	49.77	11.53	38.24	69.50	-19.73	100	0	QP	vertical
4	12.800	50.11	12.72	37.39	69.50	-19.39	100	124	QP	vertical
5	19.412	48.51	12.14	36.37	69.50	-20.99	100	209	QP	vertical
6	23.340	48.51	13.17	35.34	69.50	-20.99	100	225	QP	vertical



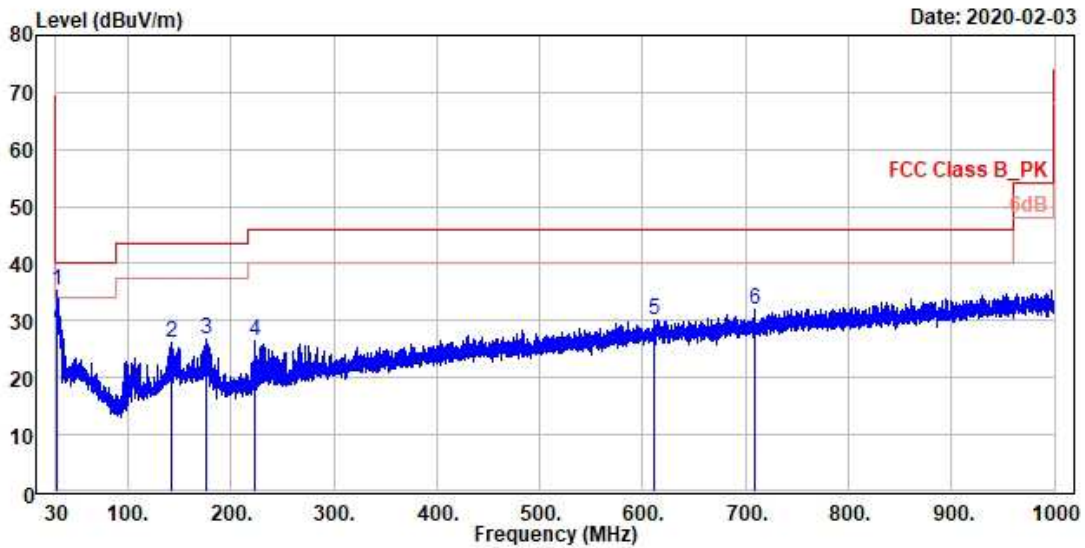
# Spurious Emissions, TX Mode, 30MHz-1GHz (802.15.4)



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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	107.309	24.31	34.17	-9.86	43.50	-19.19	300	176	QP	horizontal
2	175.985	24.41	31.16	-6.75	43.50	-19.09	300	112	QP	horizontal
3	275.701	26.19	31.73	-5.54	46.00	-19.81	100	4	QP	horizontal
4	451.659	27.17	29.38	-2.21	46.00	-18.83	100	290	QP	horizontal
5	628.199	31.10	30.64	0.46	46.00	-14.90	200	104	QP	horizontal
6	755.172	32.39	29.98	2.41	46.00	-13.61	100	332	QP	horizontal



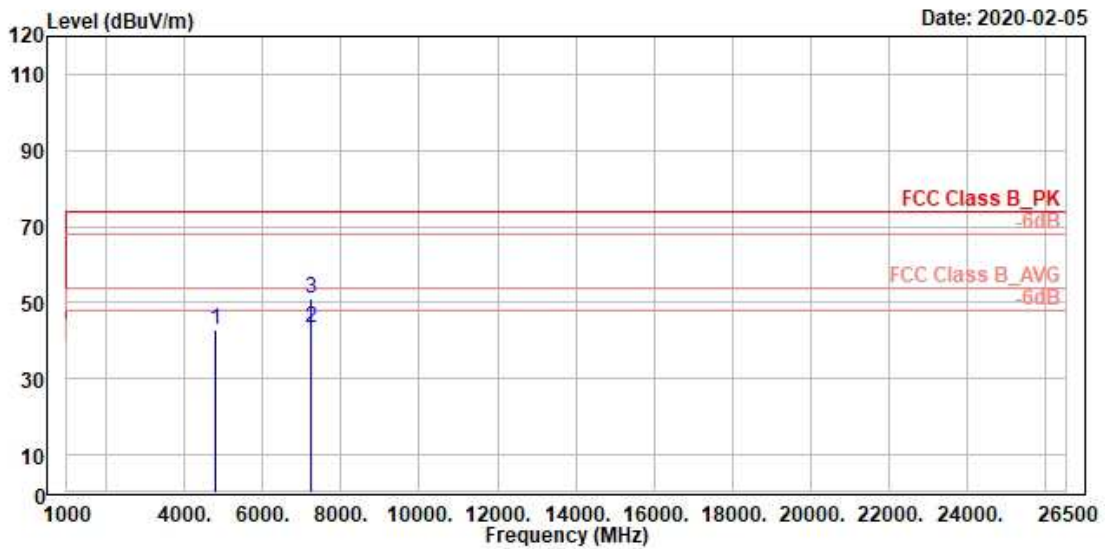
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 !	30.970	35.35	43.14	-7.79	40.00	-4.65	100	324	QP	vertical
2	142.423	26.22	32.69	-6.47	43.50	-17.28	100	320	QP	vertical
3	175.985	26.66	33.41	-6.75	43.50	-16.84	100	356	QP	vertical
4	223.612	26.41	34.53	-8.12	46.00	-19.59	100	314	QP	vertical
5	610.836	30.19	29.86	0.33	46.00	-15.81	300	253	QP	vertical
6	708.709	31.91	30.48	1.43	46.00	-14.09	200	158	QP	vertical

# Spurious Emissions, TX Mode, 1GHz-26.5GHz (802.15.4)

2405MHz\_Horizontal



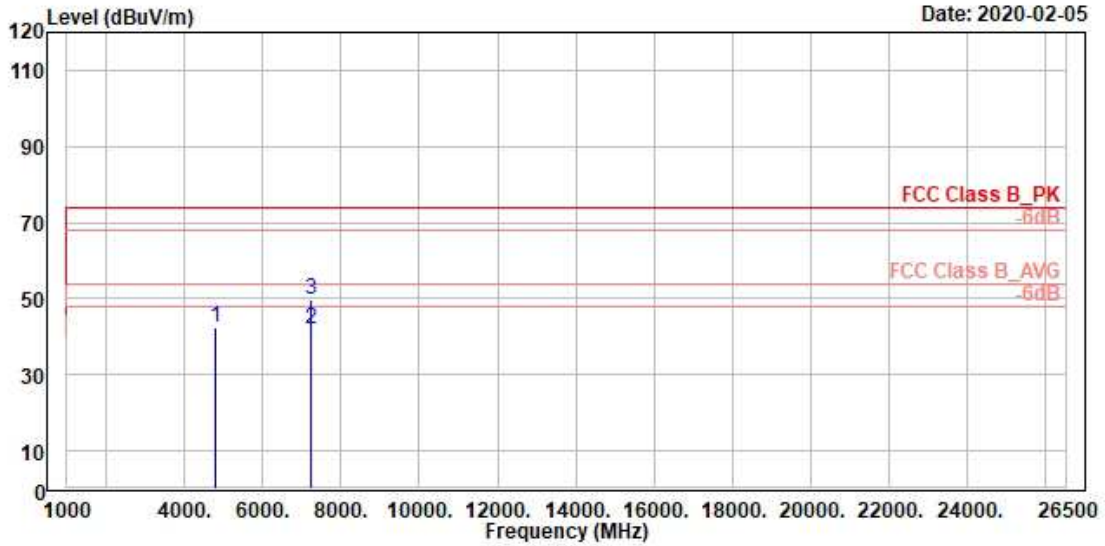
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4810.000	42.70	52.72	-10.02	74.00	-31.30	100	123	Peak	horizontal
2	7215.000	43.50	51.04	-7.54	54.00	-10.50	100	360	Average	horizontal
3	7215.000	51.06	58.60	-7.54	74.00	-22.94	100	360	Peak	horizontal



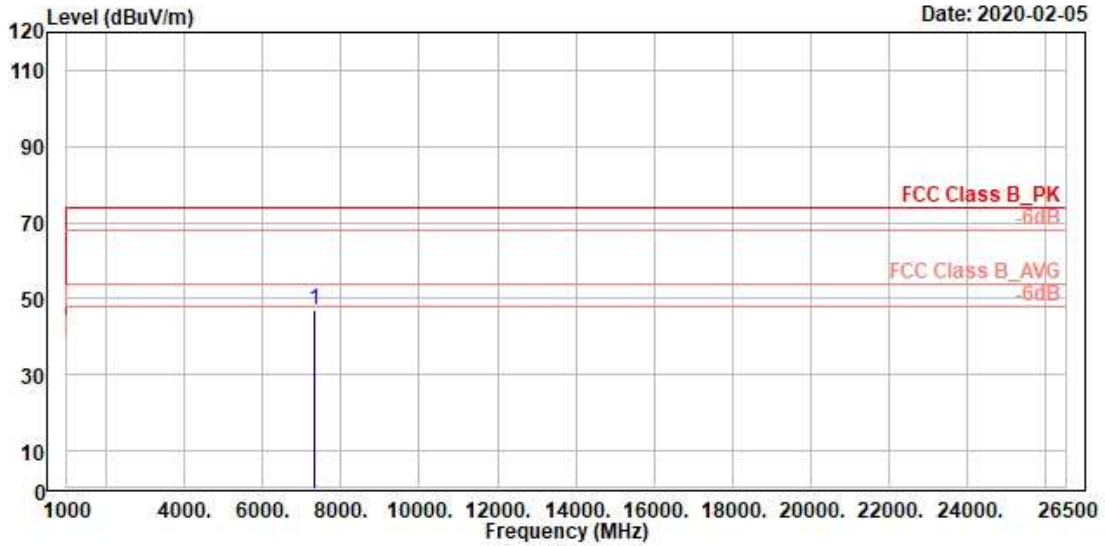
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4810.000	42.32	52.34	-10.02	74.00	-31.68	400	0	Peak	vertical
2	7215.000	41.78	49.32	-7.54	54.00	-12.22	100	193	Average	vertical
3	7215.000	49.86	57.40	-7.54	74.00	-24.14	100	193	Peak	vertical



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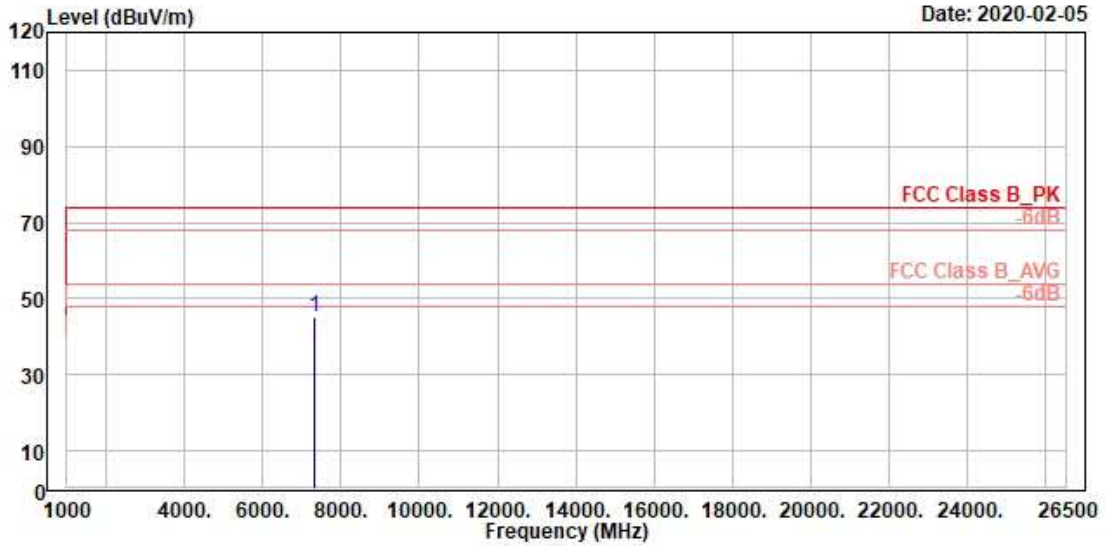


Date: 2020-02-05

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7320.000	46.83	54.30	-7.47	74.00	-27.17	100	114	Peak	horizontal



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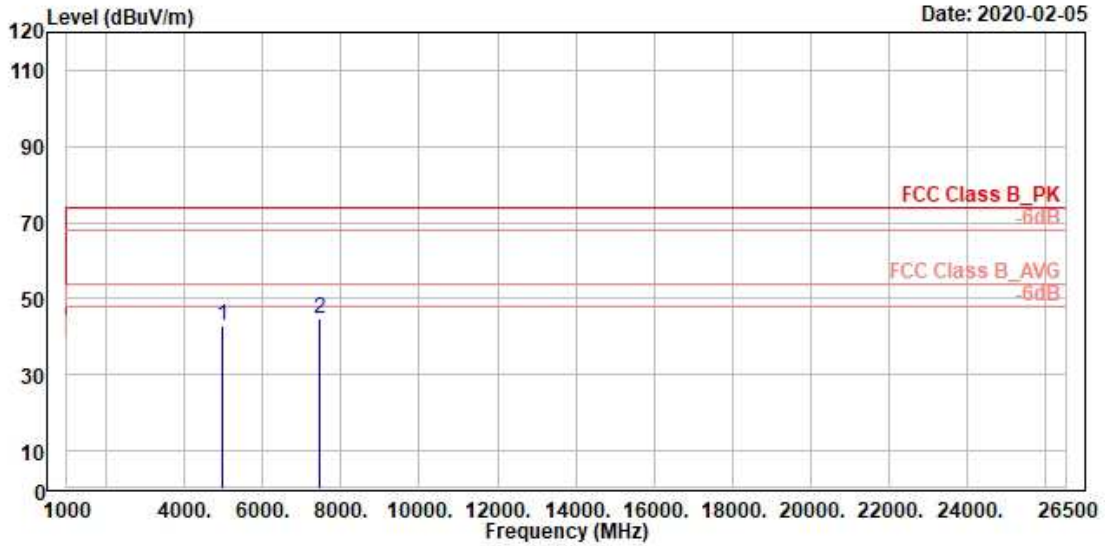


Date: 2020-02-05

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7320.000	45.33	52.80	-7.47	74.00	-28.67	400	138	Peak	vertical



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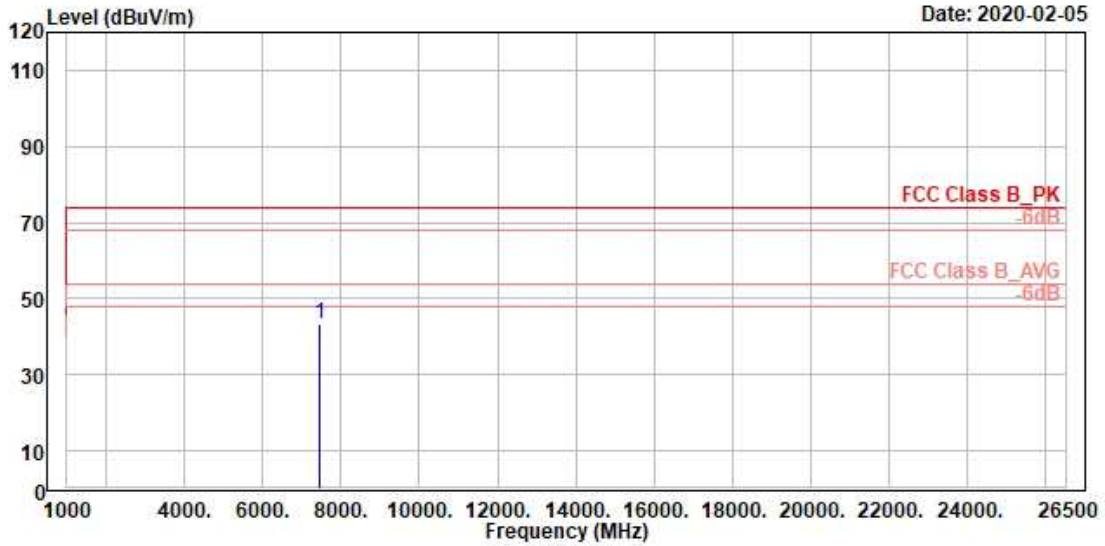


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	43.05	52.78	-9.73	74.00	-30.95	300	218	Peak	horizontal
2	7440.000	44.90	52.39	-7.49	74.00	-29.10	100	120	Peak	horizontal





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Date: 2020-02-05

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7440.000	43.46	50.95	-7.49	74.00	-30.54	300	191	Peak	vertical

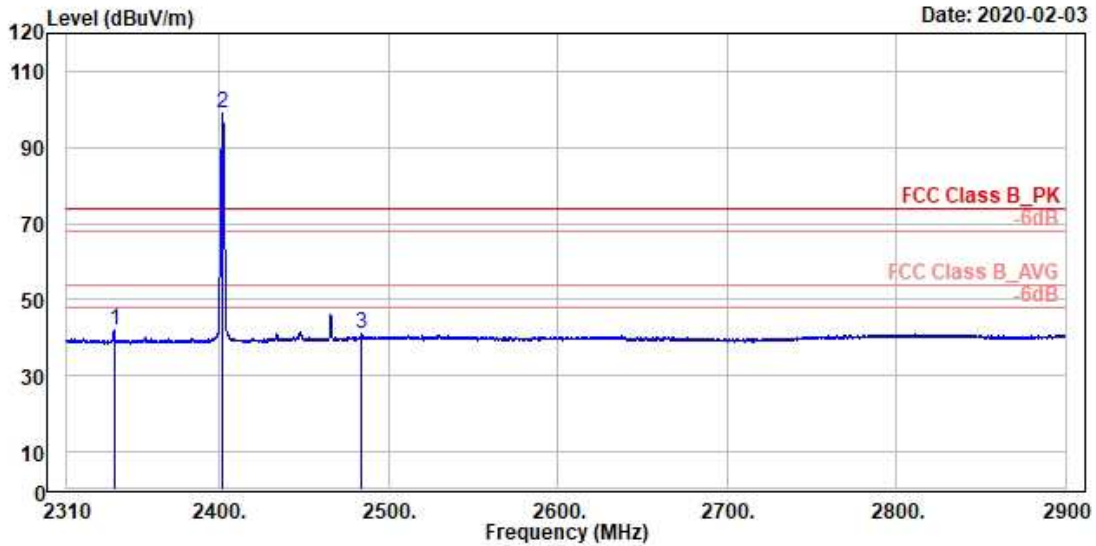


# Spurious Emissions, Band Edges (BLE 1M (125K))

2402MHz\_Horizontal\_Average



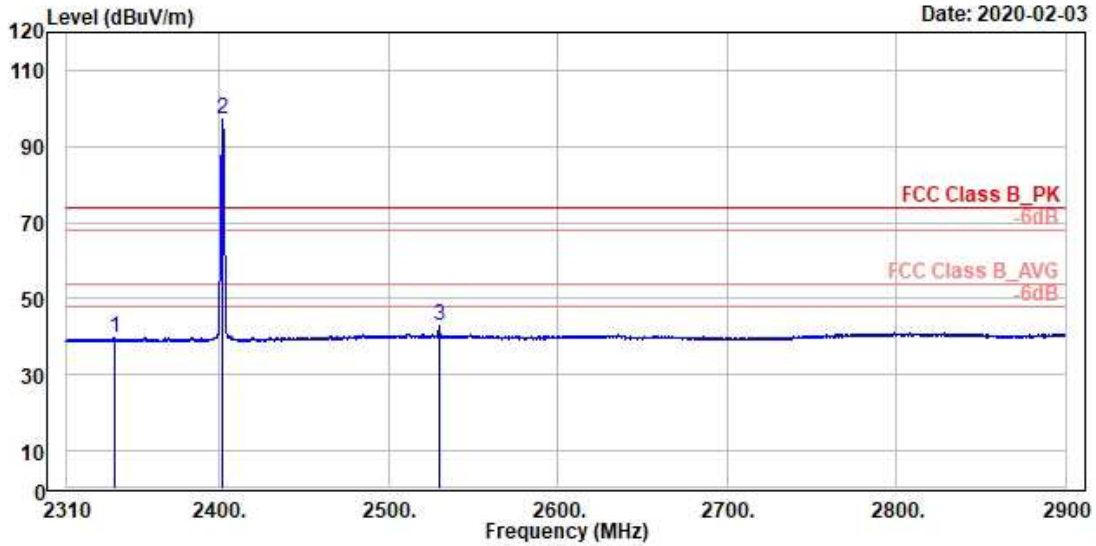
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2337.848	41.82	4.66	37.16	54.00	-12.18	145	176	Average	Horizontal
2 *	2402.000	99.01	61.86	37.15	54.00	45.01	145	176	Average	Horizontal
3	2484.286	40.88	3.30	37.58	54.00	-13.12	145	176	Average	Horizontal



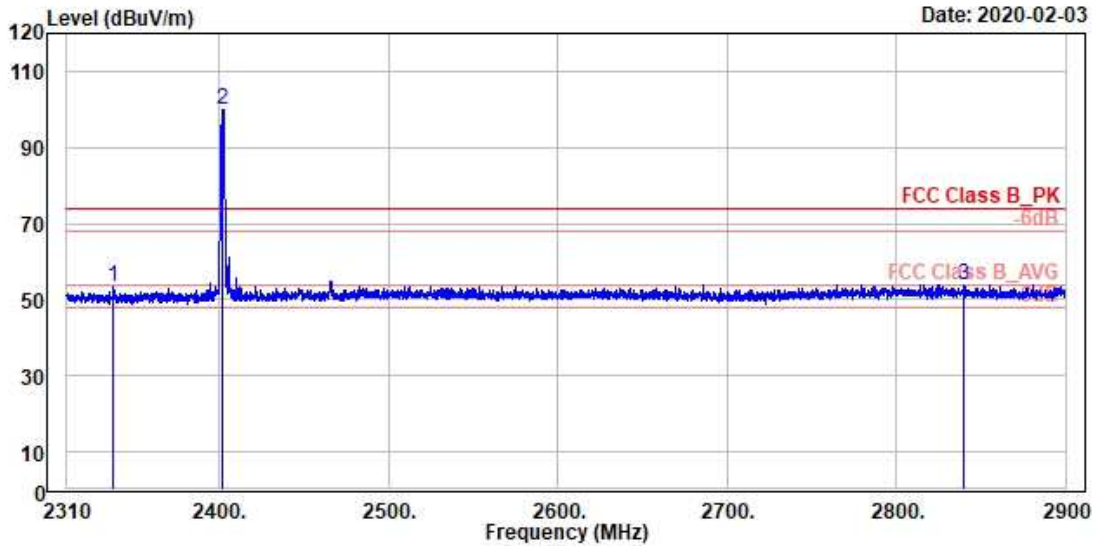
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2337.848	39.81	2.65	37.16	54.00	-14.19	304	291	Average	Vertical
2	* 2402.000	97.36	60.21	37.15	54.00	43.36	304	291	Average	Vertical
3	2530.070	42.83	5.01	37.82	54.00	-11.17	304	291	Average	Vertical



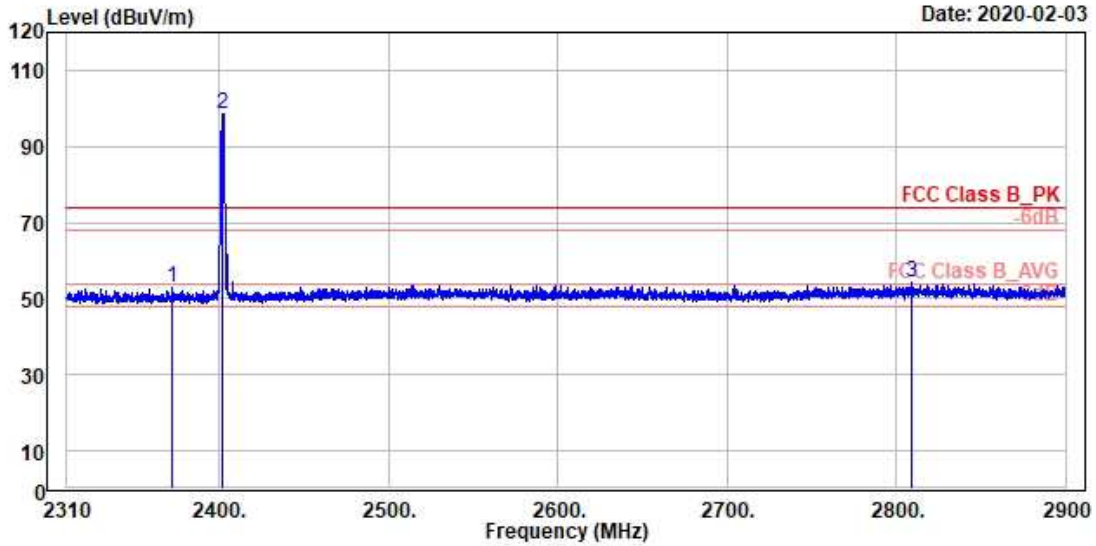
TUV Rheinland Taiwan Ltd.  
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2337.494	53.30	16.14	37.16	74.00	-20.70	145	176	Peak	Horizontal
2 *	2402.000	100.15	63.00	37.15	74.00	26.15	145	176	Peak	Horizontal
3	2840.410	54.04	15.94	38.10	74.00	-19.96	145	176	Peak	Horizontal



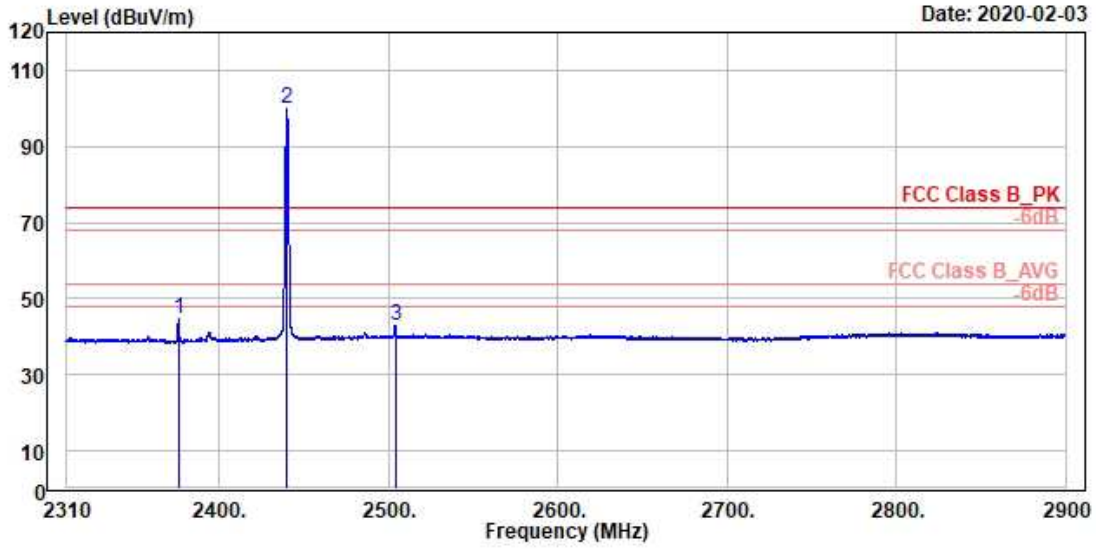
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2372.540	52.90	15.75	37.15	74.00	-21.10	304	291	Peak	Vertical
2	* 2402.000	98.49	61.34	37.15	74.00	24.49	304	291	Peak	Vertical
3	2809.494	54.12	16.00	38.12	74.00	-19.88	304	291	Peak	Vertical



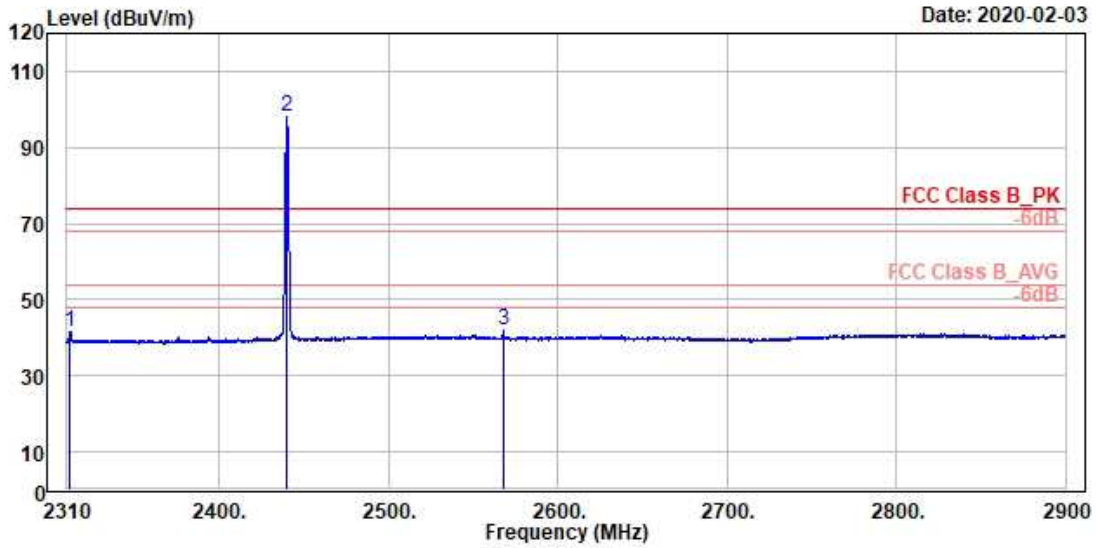
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2376.080	44.63	7.47	37.16	54.00	-9.37	144	176	Average	Horizontal
2 *	2440.000	99.95	62.60	37.35	54.00	45.95	144	176	Average	Horizontal
3	2504.110	43.10	5.41	37.69	54.00	-10.90	144	176	Average	Horizontal



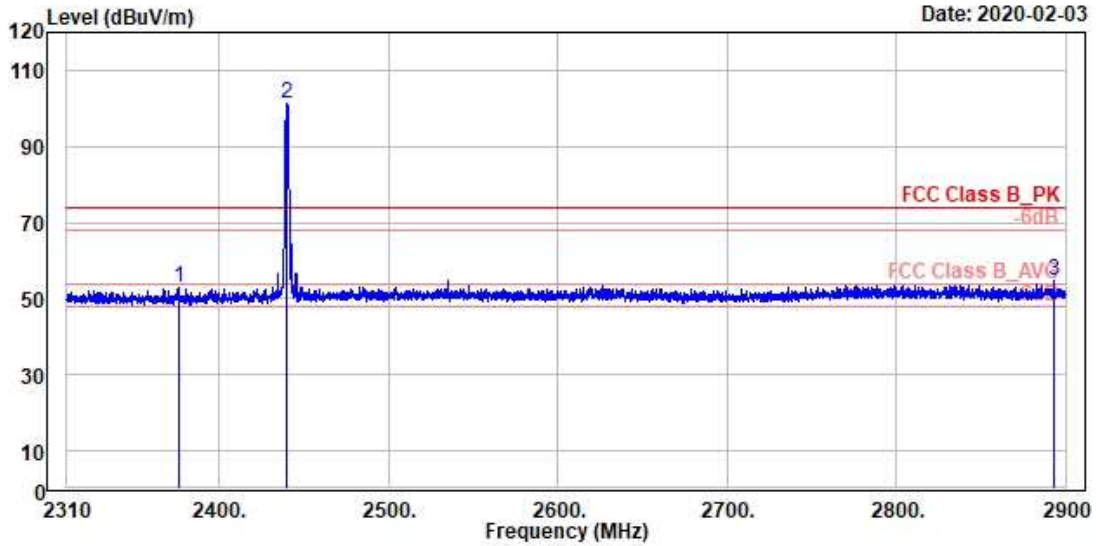
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2311.888	41.47	4.34	37.13	54.00	-12.53	293	289	Average	Vertical
2 *	2440.000	98.19	60.84	37.35	54.00	44.19	293	289	Average	Vertical
3	2567.830	41.83	3.96	37.87	54.00	-12.17	293	289	Average	Vertical



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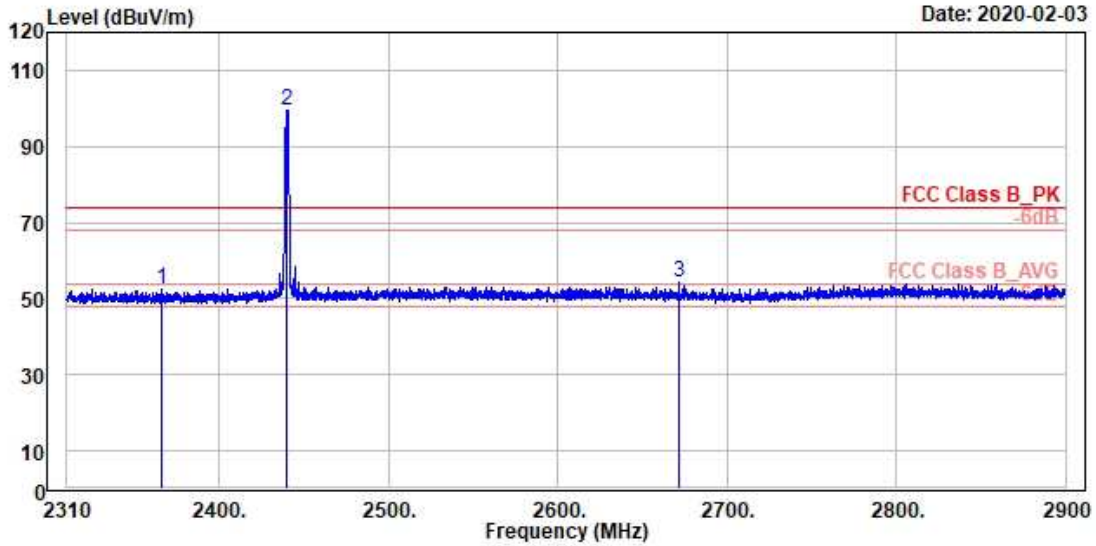
Date: 2020-02-03

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2376.552	52.75	15.59	37.16	74.00	-21.25	144	176	Peak	Horizontal
2	* 2440.000	101.07	63.72	37.35	74.00	27.07	144	176	Peak	Horizontal
3	2893.038	54.81	16.76	38.05	74.00	-19.19	144	176	Peak	Horizontal





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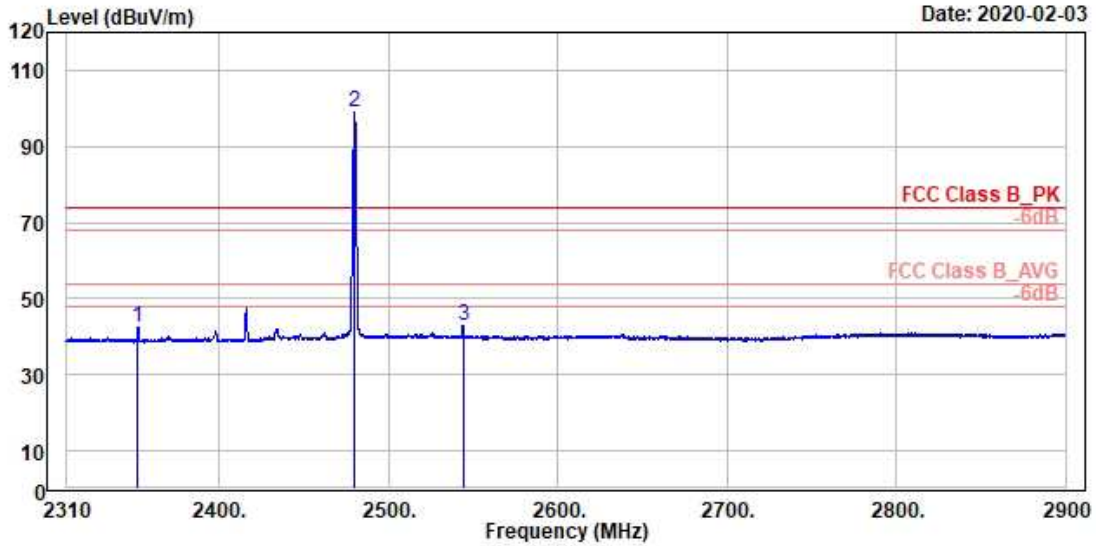


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2365.696	52.63	15.47	37.16	74.00	-21.37	293	289	Peak	Vertical
2	* 2440.000	99.33	61.98	37.35	74.00	25.33	293	289	Peak	Vertical
3	2671.670	54.17	16.56	37.61	74.00	-19.83	293	289	Peak	Vertical





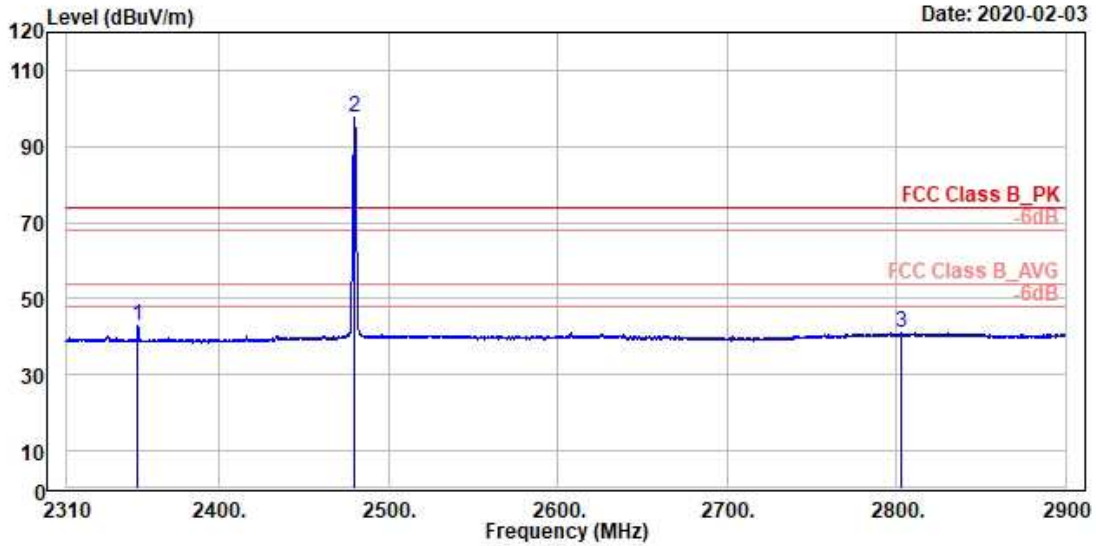
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2351.890	42.62	5.44	37.18	54.00	-11.38	110	176	Average	Horizontal
2 *	2480.000	98.90	61.34	37.56	54.00	44.90	110	176	Average	Horizontal
3	2543.994	42.78	4.89	37.89	54.00	-11.22	110	176	Average	Horizontal



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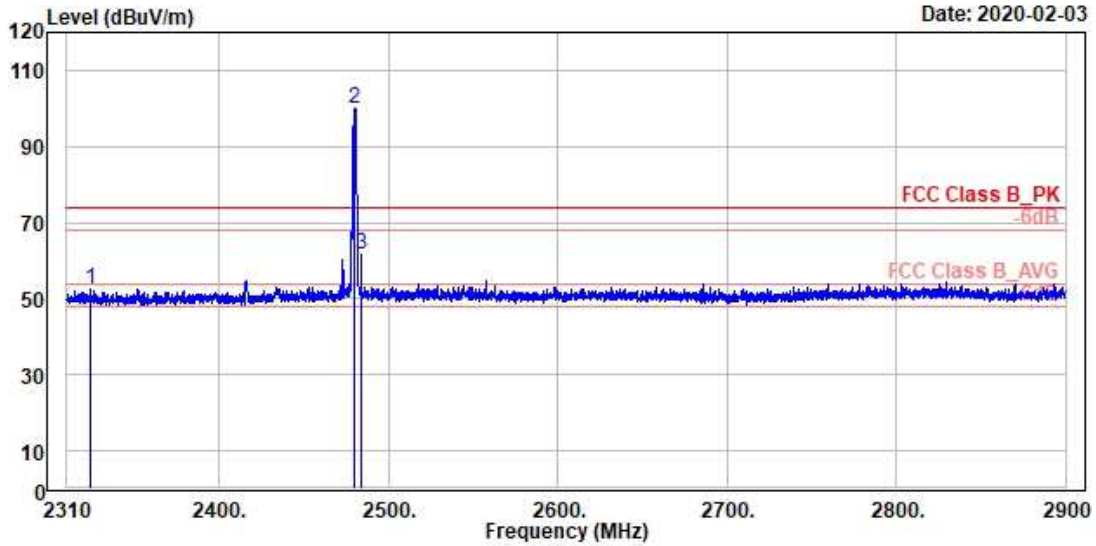


Date: 2020-02-03

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2351.890	42.93	5.75	37.18	54.00	-11.07	283	287	Average	Vertical
2	* 2480.000	97.63	60.07	37.56	54.00	43.63	283	287	Average	Vertical
3	2803.240	40.89	2.77	38.12	54.00	-13.11	283	287	Average	Vertical



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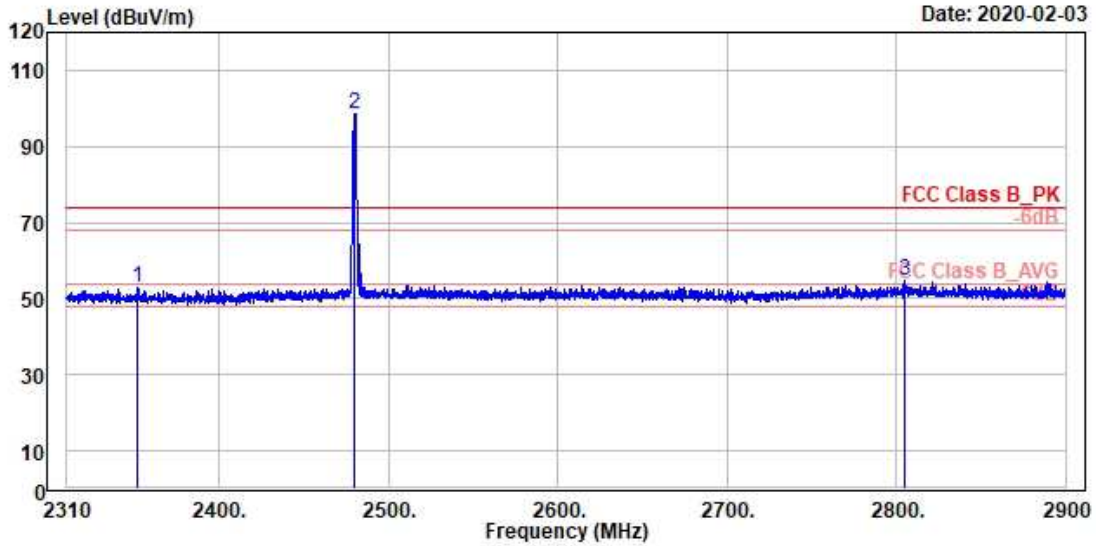


Date: 2020-02-03

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2324.160	52.43	15.29	37.14	74.00	-21.57	110	176	Peak	Horizontal
2	* 2480.000	100.09	62.53	37.56	74.00	26.09	110	176	Peak	Horizontal
3	2483.814	61.42	23.84	37.58	74.00	-12.58	110	176	Peak	Horizontal



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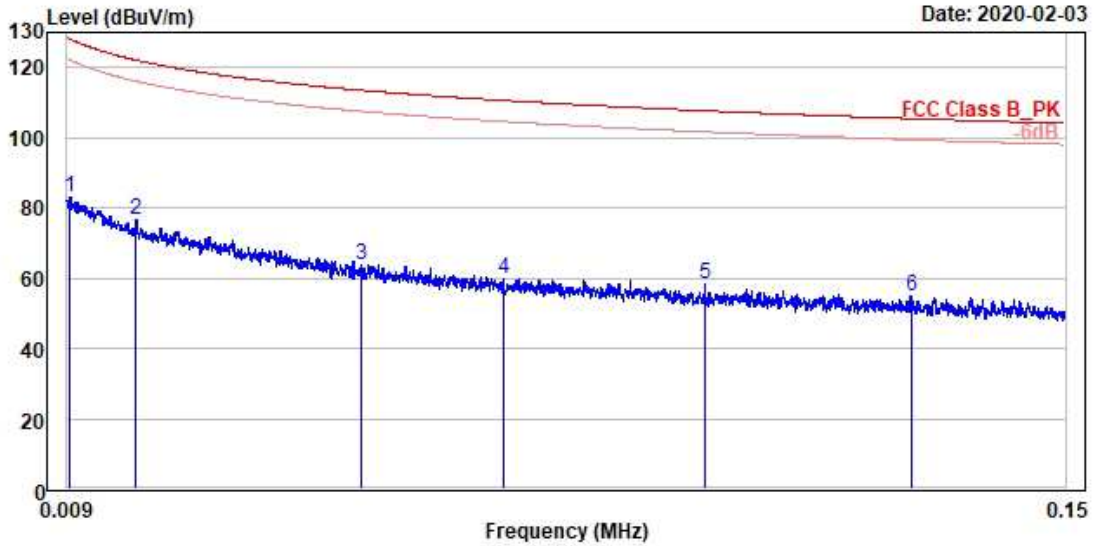


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2351.772	53.00	15.82	37.18	74.00	-21.00	283	287	Peak	Vertical
2	* 2480.000	98.78	61.22	37.56	74.00	24.78	283	287	Peak	Vertical
3	2804.656	54.70	16.58	38.12	74.00	-19.30	283	287	Peak	Vertical

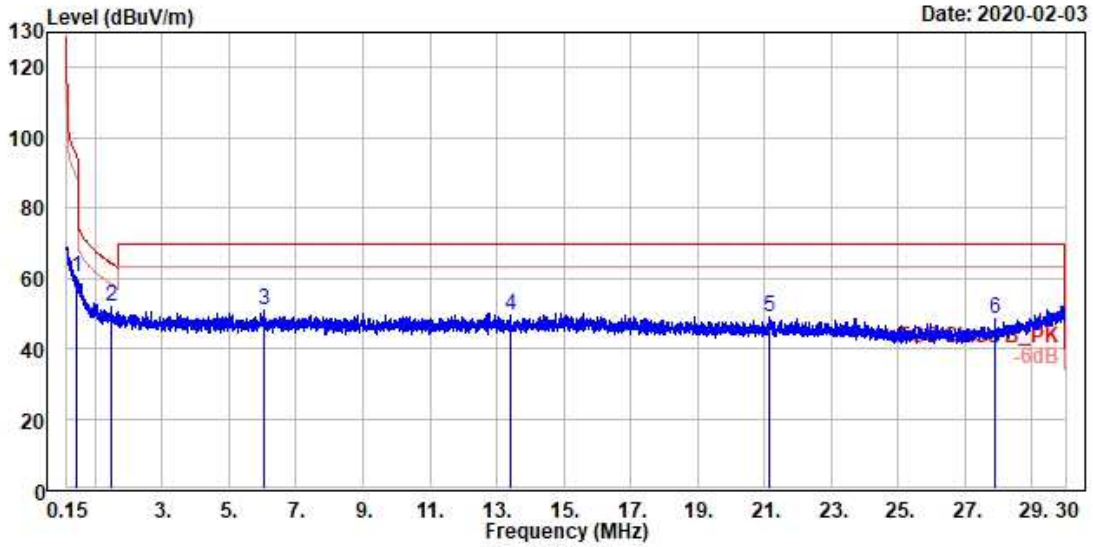
# Spurious Emissions, TX Mode, 9kHz-30MHz (BLE 1M (125K))



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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.009	83.20	3.77	79.43	128.06	-44.86	100	65	QP	vertical
2	0.019	76.65	3.34	73.31	122.12	-45.47	100	175	QP	vertical
3	0.051	63.99	-0.98	64.97	113.52	-49.53	100	149	QP	vertical
4	0.071	59.85	-2.43	62.28	110.61	-50.76	100	205	QP	vertical
5	0.099	58.18	-1.17	59.35	107.67	-49.49	100	125	QP	vertical
6	0.128	55.04	-2.57	57.61	105.44	-50.40	100	189	QP	vertical



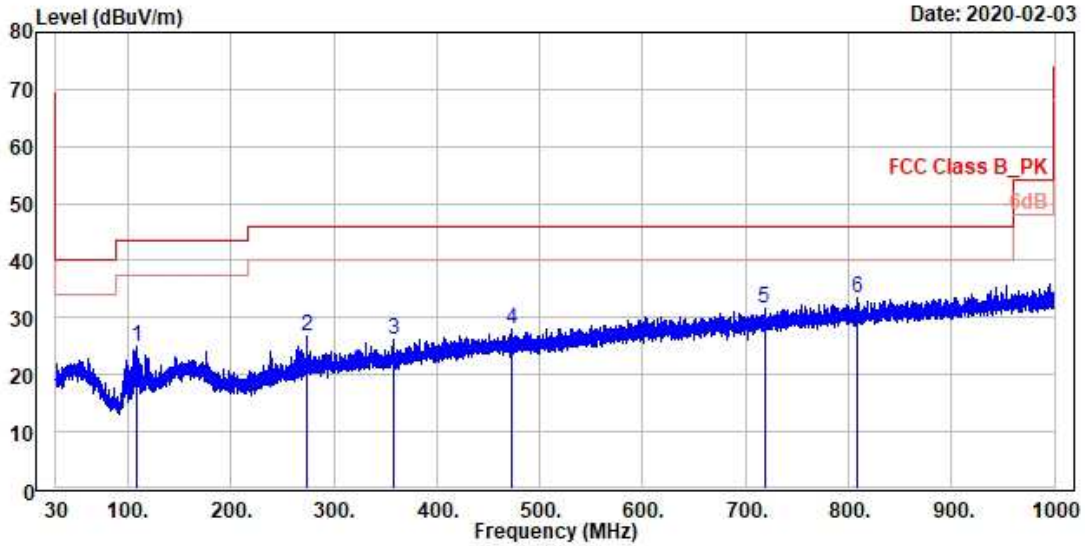
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.440	60.45	12.72	47.73	94.74	-34.29	100	360	QP	vertical
2	1.487	51.81	12.45	39.36	64.16	-12.35	100	358	QP	vertical
3	6.039	50.83	12.47	38.36	69.50	-18.67	100	360	QP	vertical
4	13.391	49.62	12.13	37.49	69.50	-19.88	100	101	QP	vertical
5	21.170	48.85	12.81	36.04	69.50	-20.65	100	1	QP	vertical
6	27.902	48.31	13.28	35.03	69.50	-21.19	100	110	QP	vertical



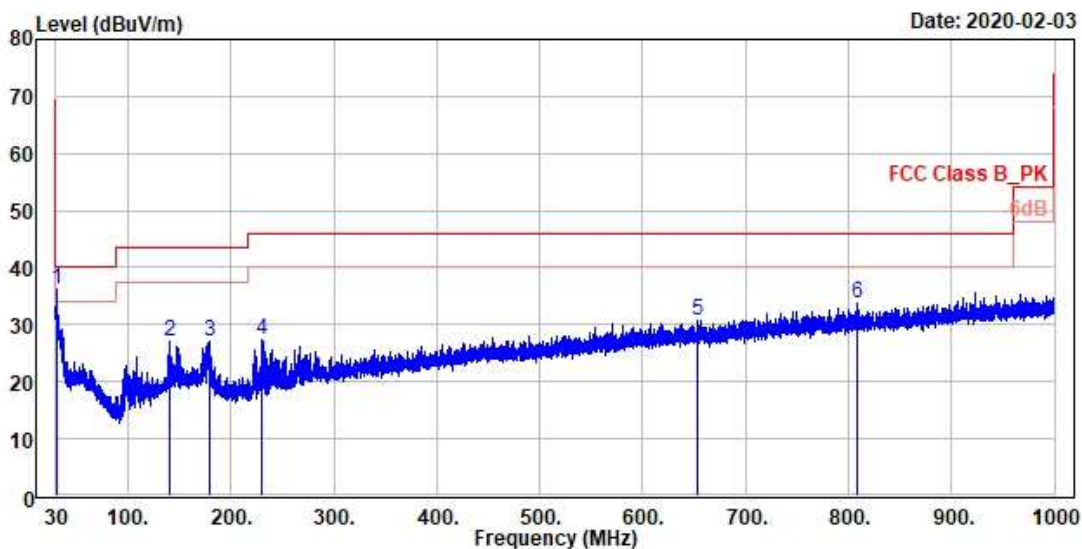
# Spurious Emissions, TX Mode, 30MHz-1GHz (BLE 1M (125K))



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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	108.182	24.99	34.75	-9.76	43.50	-18.51	200	343 QP		horizontal
2	273.761	26.79	32.45	-5.66	46.00	-19.21	200	356 QP		horizontal
3	357.957	26.27	30.25	-3.98	46.00	-19.73	200	164 QP		horizontal
4	472.417	27.85	30.01	-2.16	46.00	-18.15	200	11 QP		horizontal
5	718.312	31.67	30.10	1.57	46.00	-14.33	300	162 QP		horizontal
6	808.231	33.32	30.41	2.91	46.00	-12.68	200	0 QP		horizontal



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 !	30.776	36.28	44.10	-7.82	40.00	-3.72	100	286	QP	vertical
2	140.386	27.14	33.74	-6.60	43.50	-16.36	100	267	QP	vertical
3	179.380	26.95	34.12	-7.17	43.50	-16.55	100	83	QP	vertical
4	229.626	27.38	34.96	-7.58	46.00	-18.62	100	324	QP	vertical
5	653.322	30.74	30.04	0.70	46.00	-15.26	200	360	QP	vertical
6	809.298	33.76	30.84	2.92	46.00	-12.24	300	66	QP	vertical

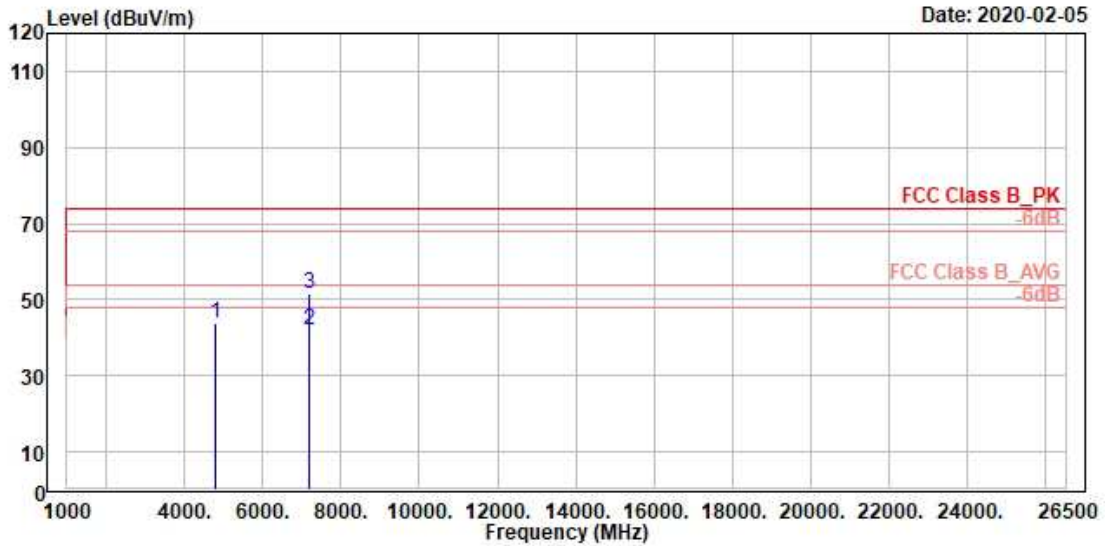


# Spurious Emissions, TX Mode, 1GHz-26.5GHz (BLE 1M (125K))

2402MHz\_Horizontal



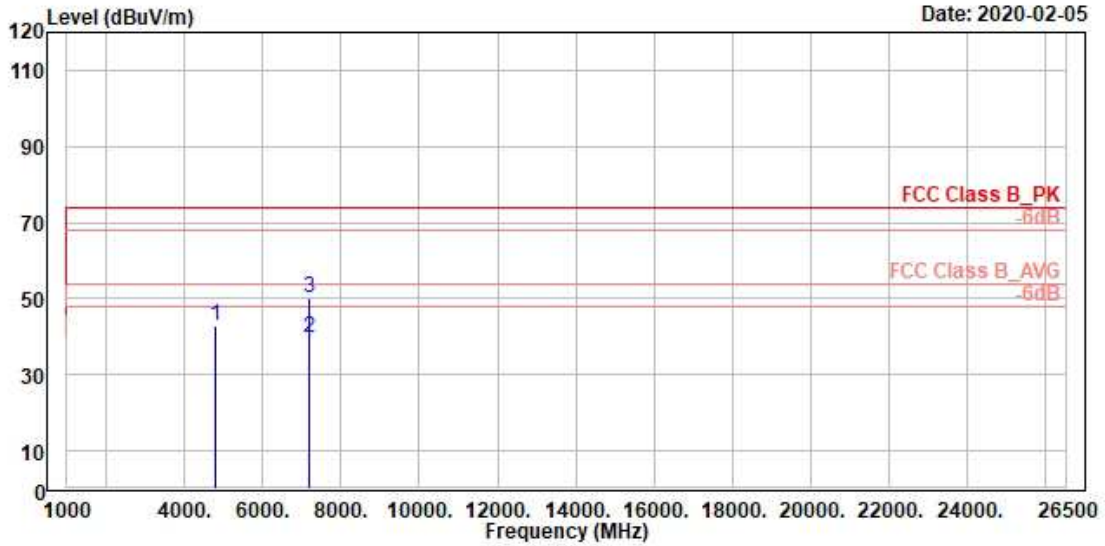
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	43.68	53.72	-10.04	74.00	-30.32	300	135	Peak	horizontal
2	7206.000	41.94	49.50	-7.56	54.00	-12.06	100	0	Average	horizontal
3	7206.000	51.40	58.96	-7.56	74.00	-22.60	100	0	Peak	horizontal



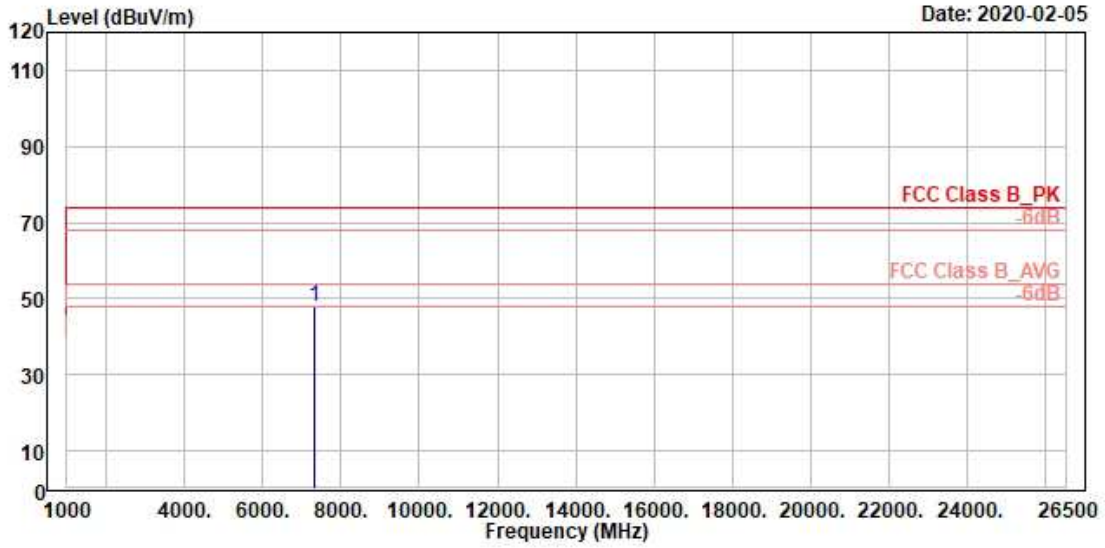
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	42.71	52.75	-10.04	74.00	-31.29	400	0	Peak	vertical
2	7206.000	39.82	47.38	-7.56	54.00	-14.18	400	144	Average	vertical
3	7206.000	50.06	57.62	-7.56	74.00	-23.94	400	144	Peak	vertical



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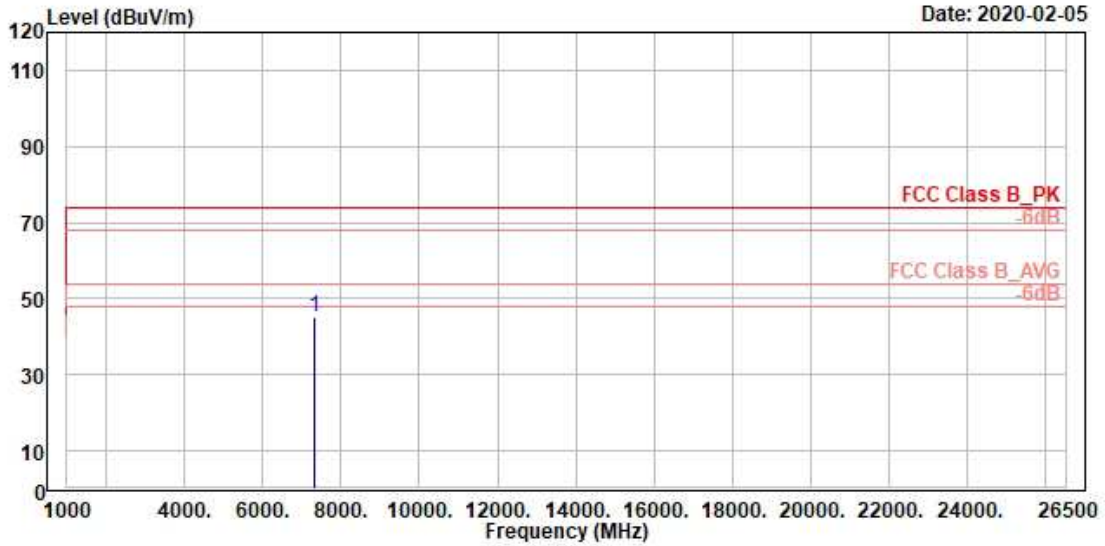


Date: 2020-02-05

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7320.000	47.83	55.30	-7.47	74.00	-26.17	400	60	Peak	horizontal



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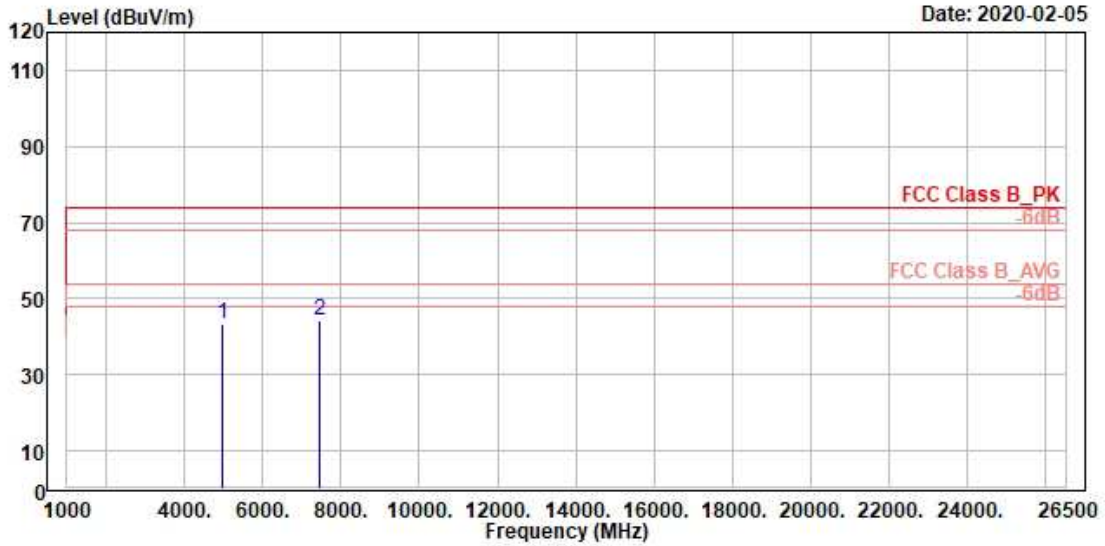


Date: 2020-02-05

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7320.000	45.29	52.76	-7.47	74.00	-28.71	400	148	Peak	vertical



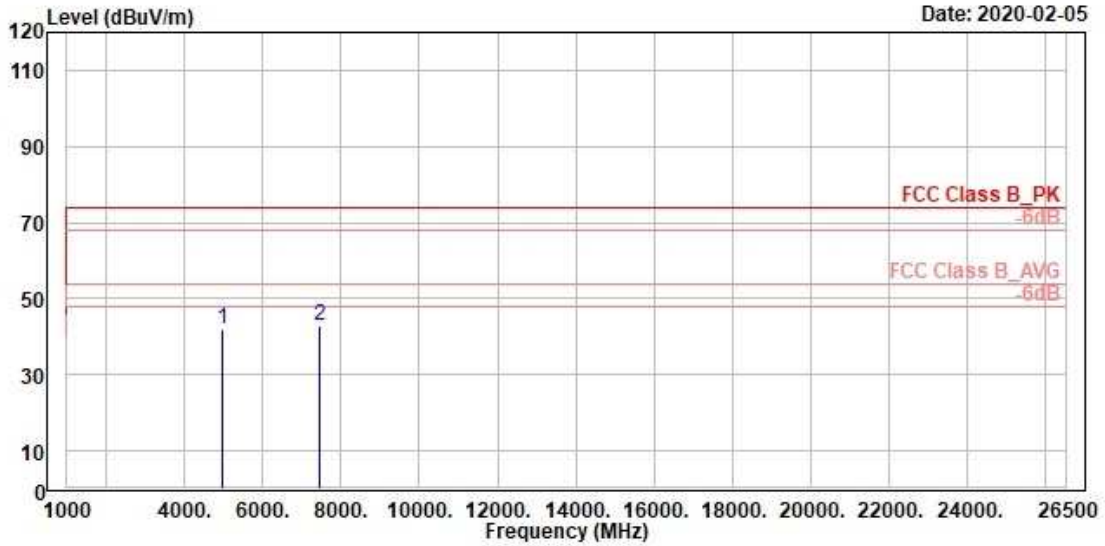
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	43.15	52.88	-9.73	74.00	-30.85	100	224	Peak	horizontal
2	7440.000	44.25	51.74	-7.49	74.00	-29.75	300	273	Peak	horizontal



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Date: 2020-02-05

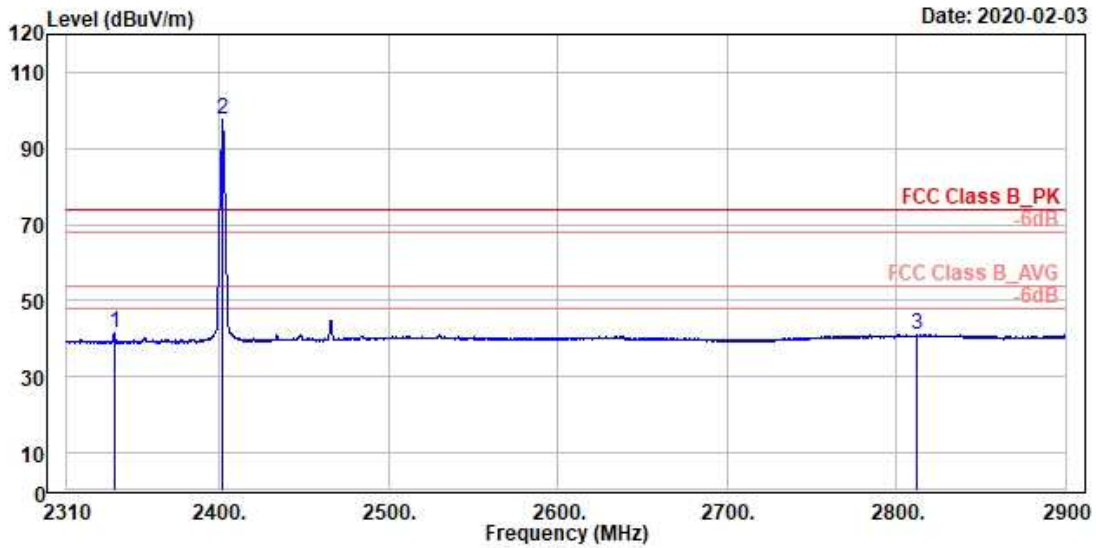
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	42.03	51.76	-9.73	74.00	-31.97	100	0	Peak	vertical
2	7440.000	42.77	50.26	-7.49	74.00	-31.23	100	282	Peak	vertical

# Spurious Emissions, Band Edges (BLE 2M)

2402MHz\_Horizontal\_Average



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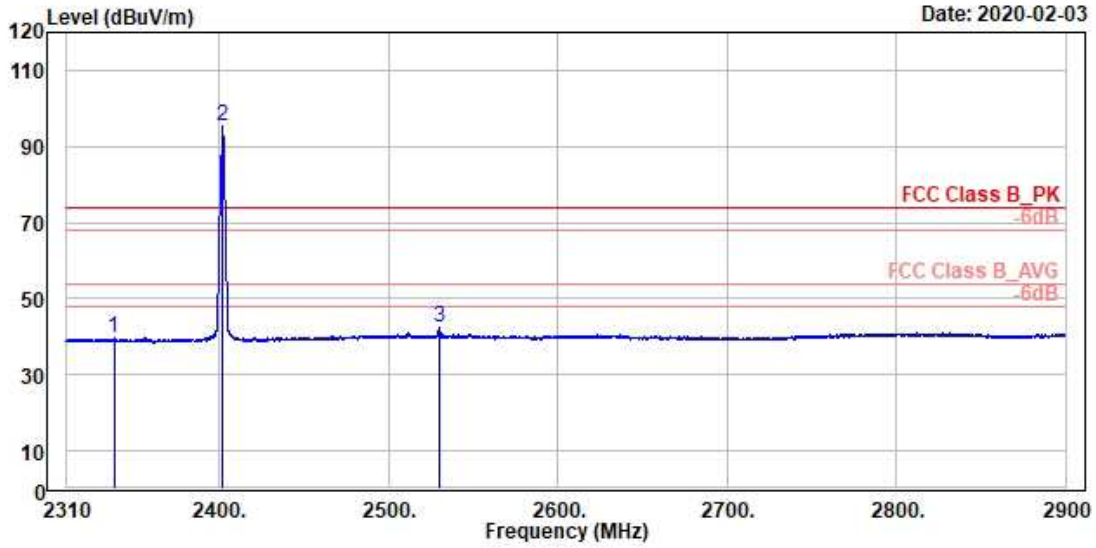


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2337.848	41.45	4.29	37.16	54.00	-12.55	145	177	Average	Horizontal
2 *	2402.000	97.42	60.27	37.15	54.00	43.42	145	177	Average	Horizontal
3	2812.090	41.07	2.95	38.12	54.00	-12.93	145	177	Average	Horizontal





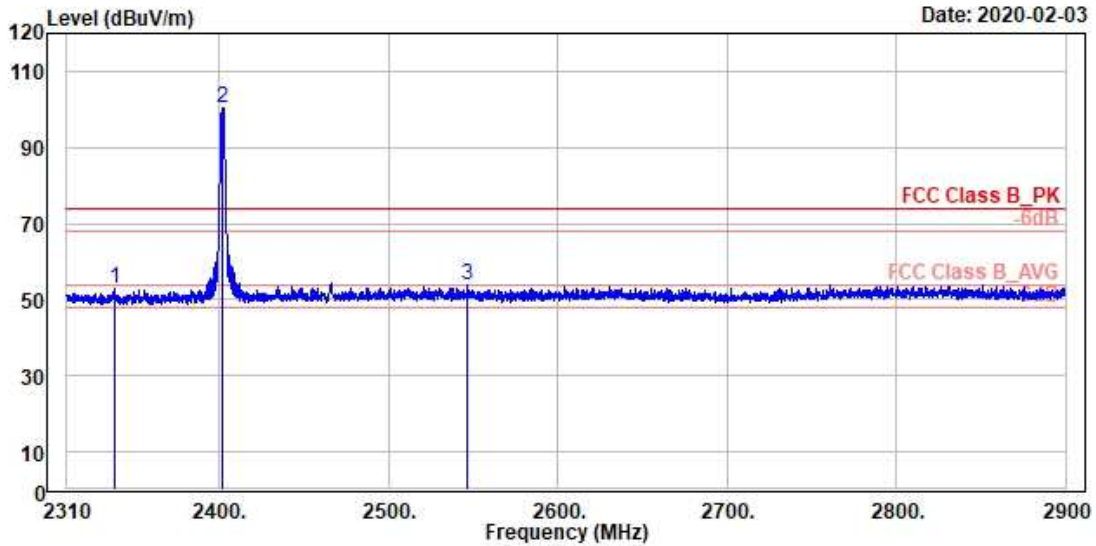
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2337.730	39.66	2.50	37.16	54.00	-14.34	304	290	Average	Vertical
2	* 2402.000	95.31	58.16	37.15	54.00	41.31	304	290	Average	Vertical
3	2529.952	42.49	4.67	37.82	54.00	-11.51	304	290	Average	Vertical



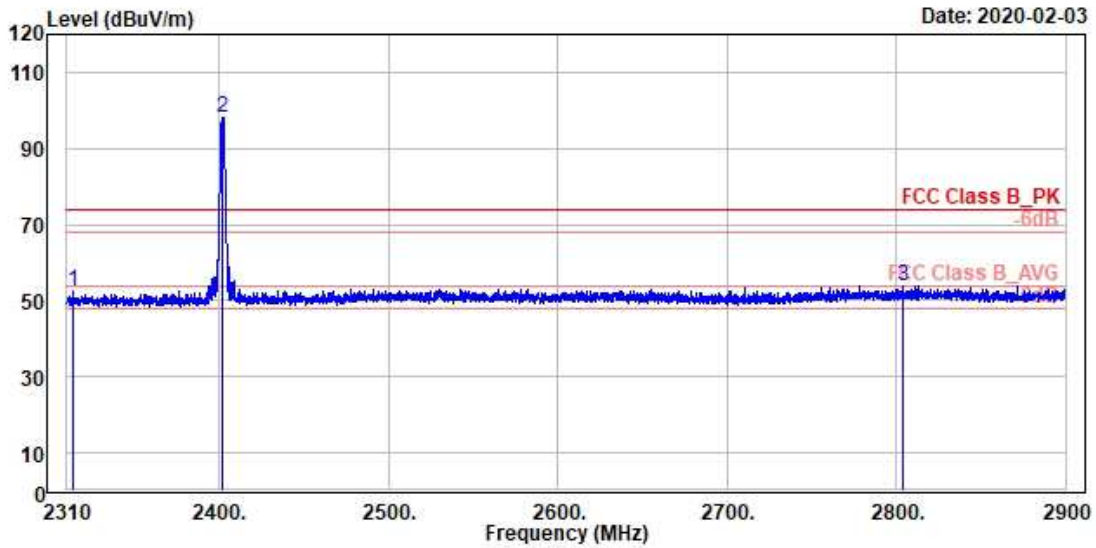
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2338.438	53.08	15.92	37.16	74.00	-20.92	145	177	Peak	Horizontal
2 *	2402.000	100.19	63.04	37.15	74.00	26.19	145	177	Peak	Horizontal
3	2546.472	53.74	15.83	37.91	74.00	-20.26	145	177	Peak	Horizontal



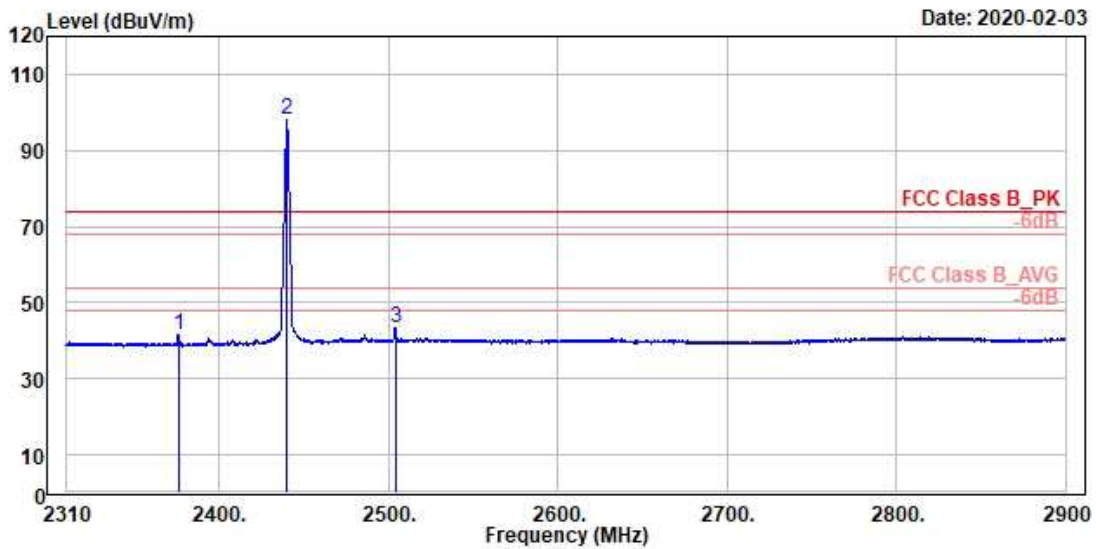
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2313.422	52.36	15.23	37.13	74.00	-21.64	304	290	Peak	Vertical
2 *	2402.000	98.10	60.95	37.15	74.00	24.10	304	290	Peak	Vertical
3	2804.420	53.88	15.76	38.12	74.00	-20.12	304	290	Peak	Vertical



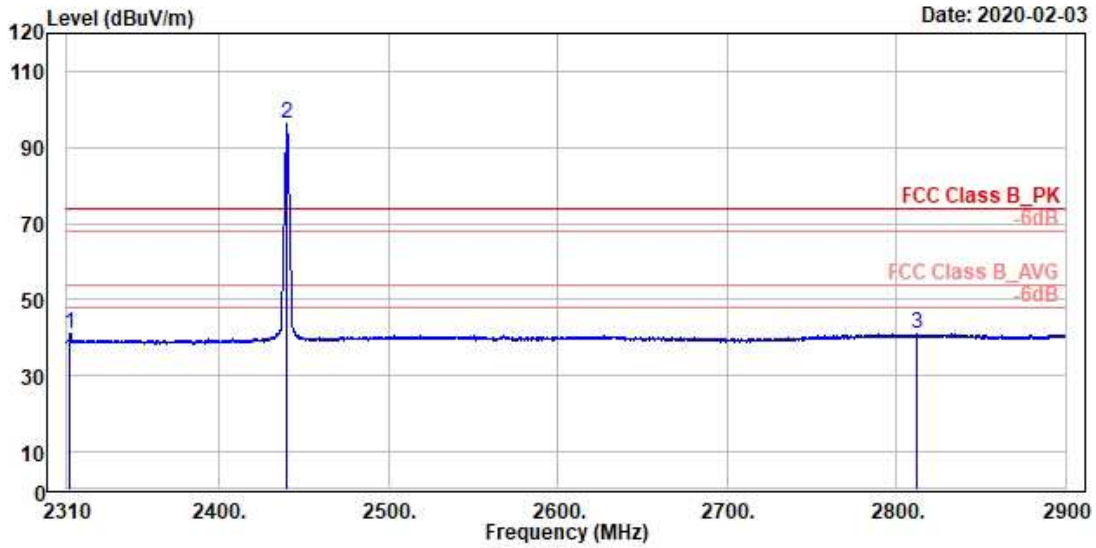
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2375.962	41.71	4.55	37.16	54.00	-12.29	160	178	Average	Horizontal
2 *	2440.000	98.13	60.78	37.35	54.00	44.13	160	178	Average	Horizontal
3	2504.110	43.47	5.78	37.69	54.00	-10.53	160	178	Average	Horizontal



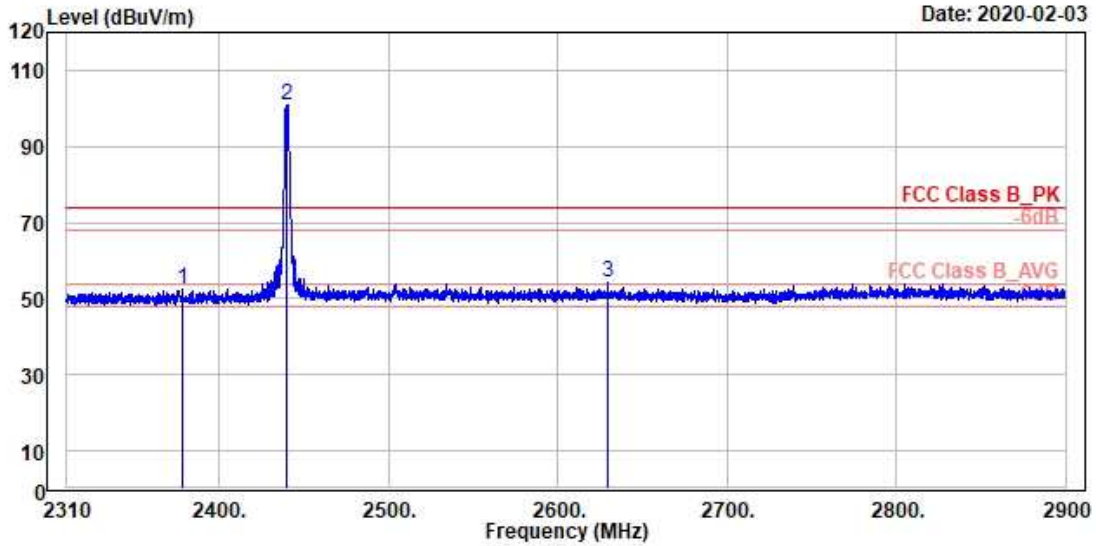
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2311.888	41.16	4.03	37.13	54.00	-12.84	293	291	Average	Vertical
2 *	2440.000	96.26	58.91	37.35	54.00	42.26	293	291	Average	Vertical
3	2812.680	41.00	2.89	38.11	54.00	-13.00	293	291	Average	Vertical



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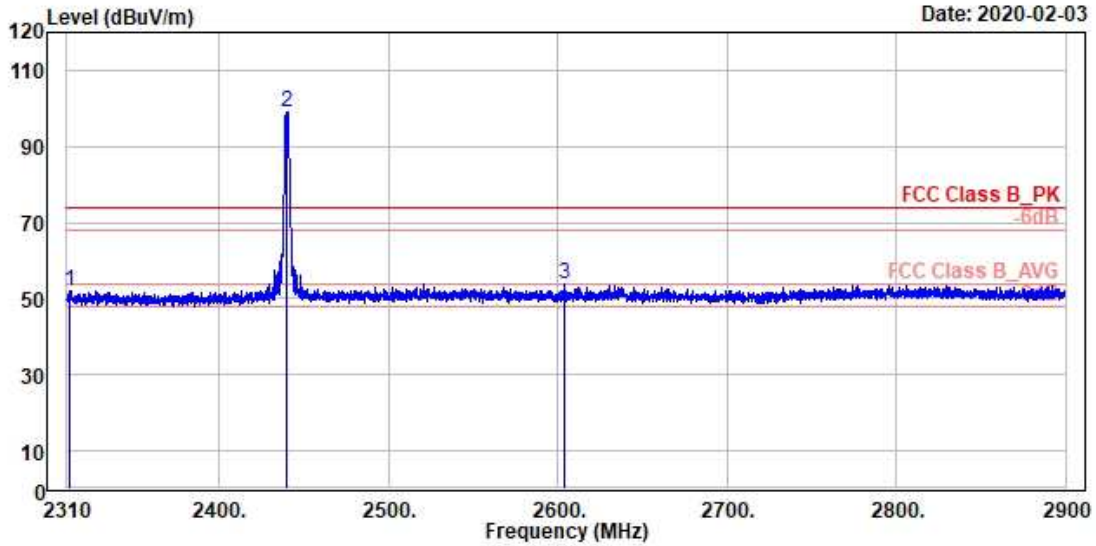


Date: 2020-02-03

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2377.968	52.40	15.25	37.15	74.00	-21.60	160	178	Peak	Horizontal
2	* 2440.000	100.94	63.59	37.35	74.00	26.94	160	178	Peak	Horizontal
3	2629.898	54.41	16.77	37.64	74.00	-19.59	160	178	Peak	Horizontal



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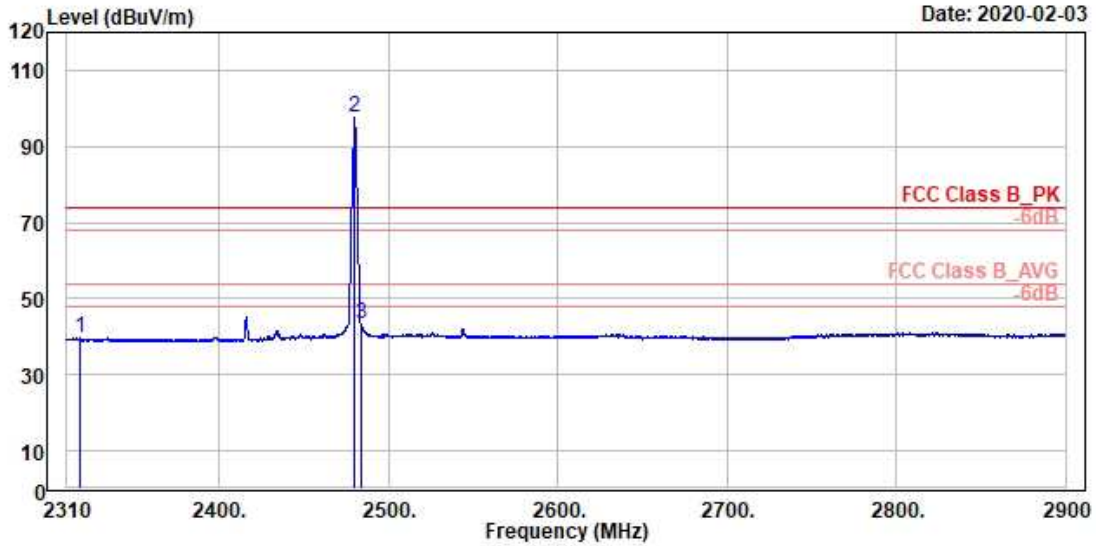


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2311.888	52.18	15.05	37.13	74.00	-21.82	293	291	Peak	Vertical
2	* 2440.000	99.11	61.76	37.35	74.00	25.11	293	291	Peak	Vertical
3	2603.820	53.75	15.98	37.77	74.00	-20.25	293	291	Peak	Vertical





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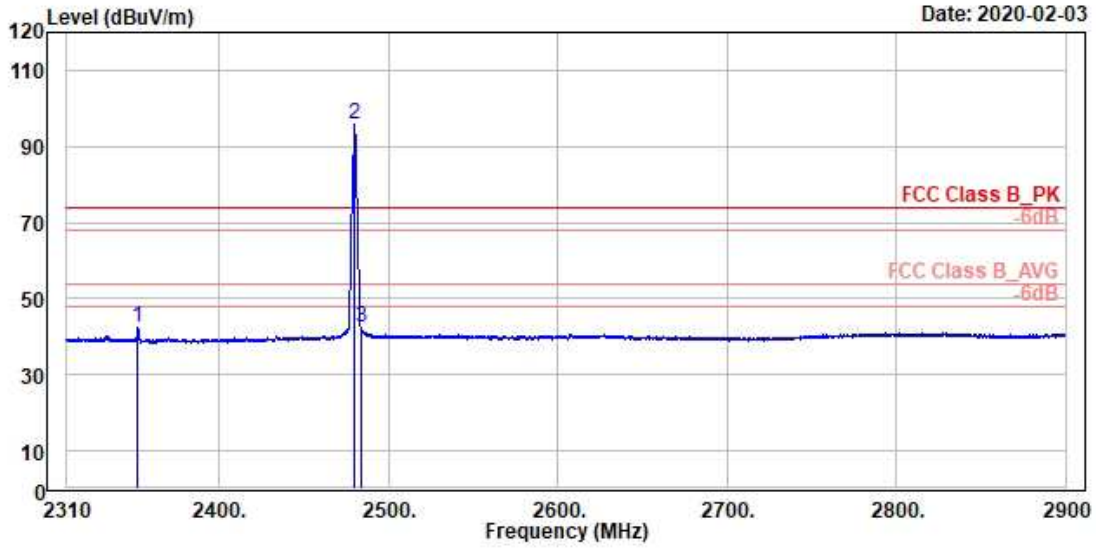


Date: 2020-02-03

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2317.316	39.58	2.45	37.13	54.00	-14.42	157	178	Average	Horizontal
2	* 2480.000	97.45	59.89	37.56	54.00	43.45	157	178	Average	Horizontal
3	2483.500	43.27	5.70	37.57	54.00	-10.73	157	178	Average	Horizontal



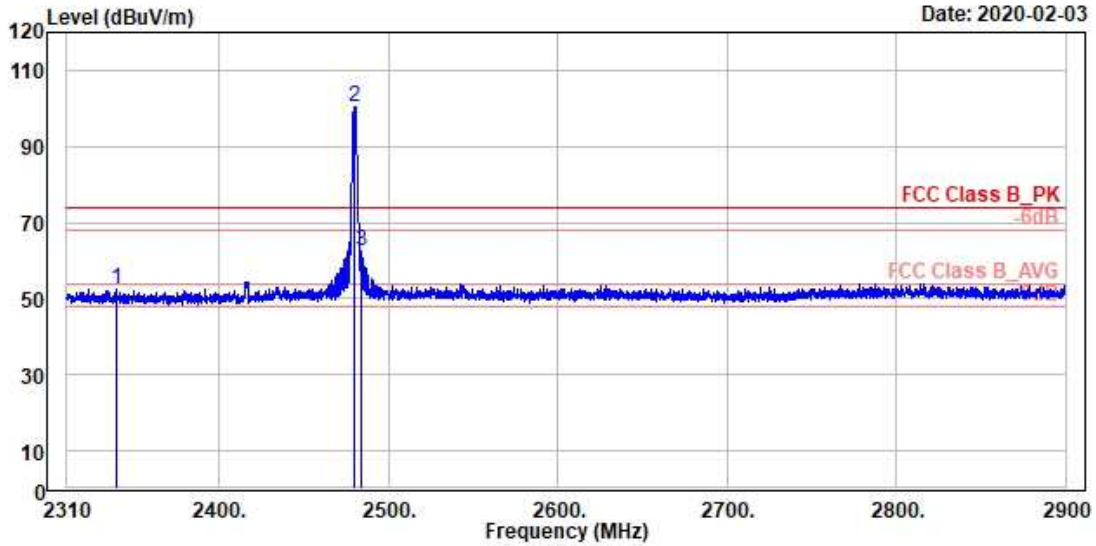
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2351.890	42.31	5.13	37.18	54.00	-11.69	283	289	Average	Vertical
2 *	2480.000	95.89	58.33	37.56	54.00	41.89	283	289	Average	Vertical
3	2483.500	42.28	4.71	37.57	54.00	-11.72	283	289	Average	Vertical



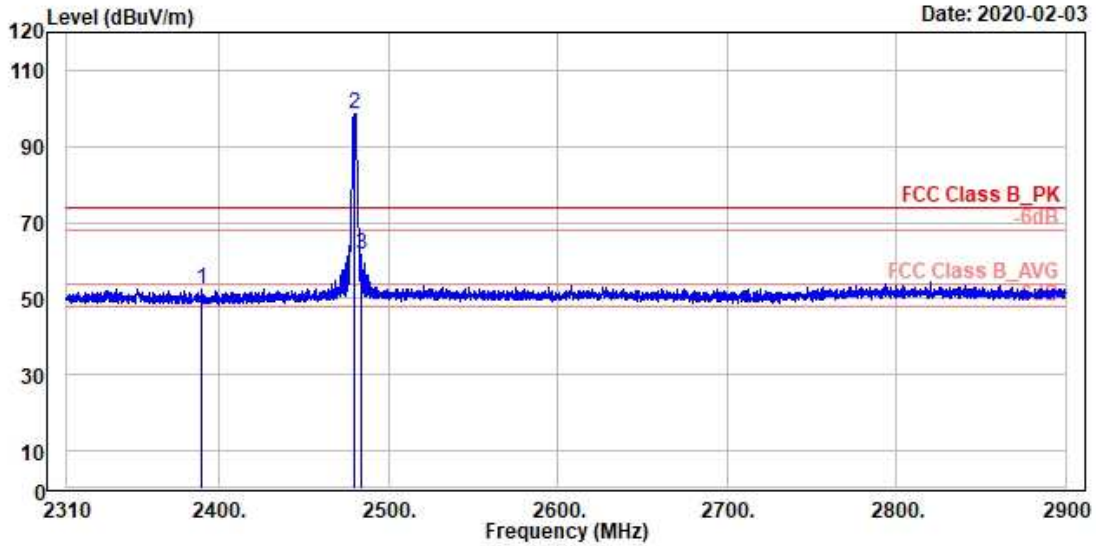
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2338.792	52.62	15.46	37.16	74.00	-21.38	157	178	Peak	Horizontal
2 *	2480.000	100.35	62.79	37.56	74.00	26.35	157	178	Peak	Horizontal
3	2483.932	62.52	24.94	37.58	74.00	-11.48	157	178	Peak	Horizontal



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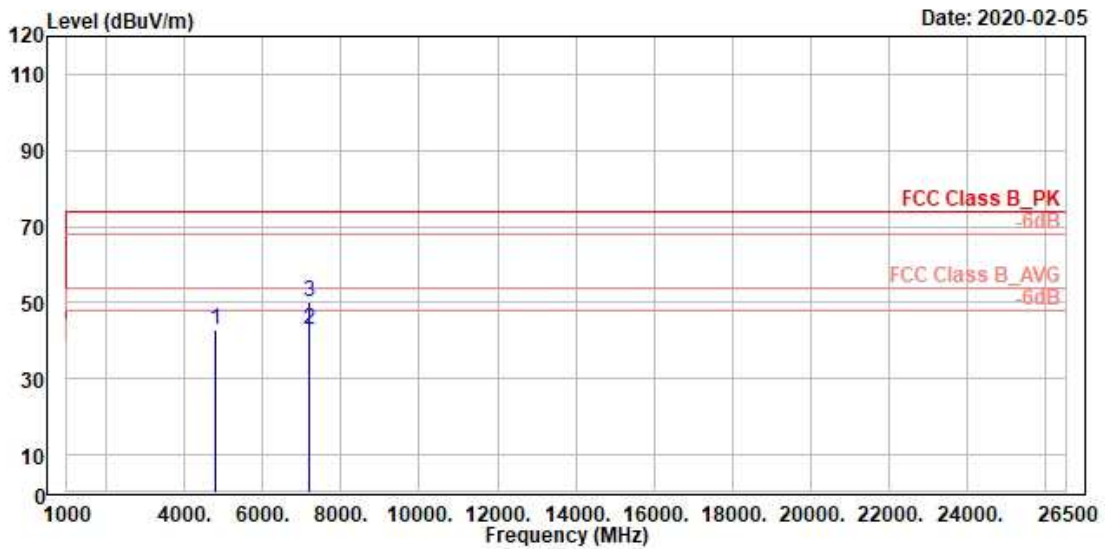
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2389.768	52.61	15.47	37.14	74.00	-21.39	283	289	Peak	Vertical
2	* 2480.000	98.77	61.21	37.56	74.00	24.77	283	289	Peak	Vertical
3	2483.696	61.70	24.13	37.57	74.00	-12.30	283	289	Peak	Vertical

# Spurious Emissions, TX Mode, 1GHz-26.5GHz (BLE 2M)

2402MHz\_Horizontal



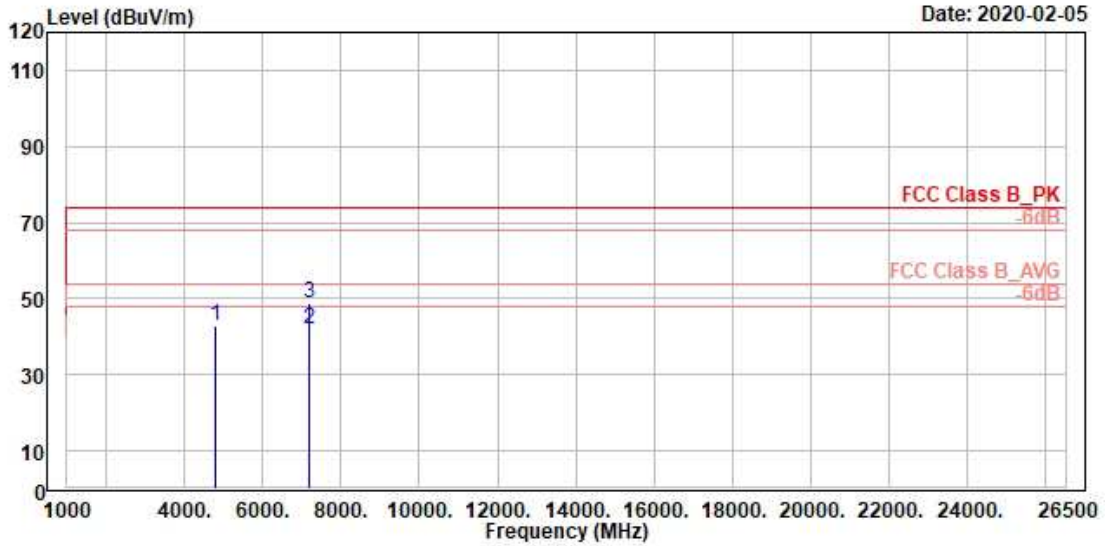
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	43.02	53.06	-10.04	74.00	-30.98	400	122	Peak	horizontal
2	7206.000	42.78	50.34	-7.56	54.00	-11.22	100	2	Average	horizontal
3	7206.000	49.99	57.55	-7.56	74.00	-24.01	100	2	Peak	horizontal



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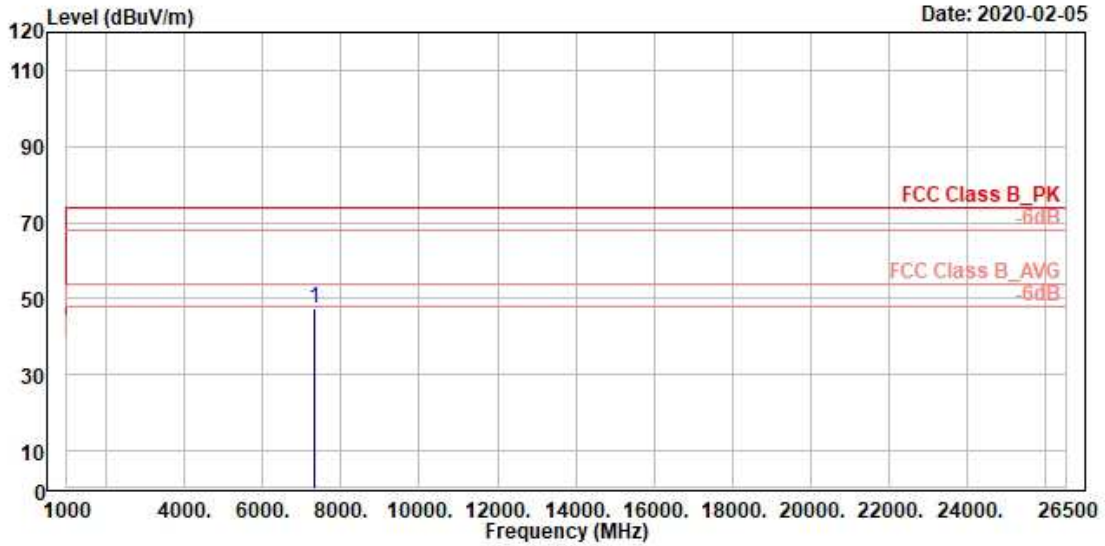


Date: 2020-02-05

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	42.94	52.98	-10.04	74.00	-31.06	400	360	Peak	vertical
2	7206.000	41.87	49.43	-7.56	54.00	-12.13	100	163	Average	vertical
3	7206.000	48.82	56.38	-7.56	74.00	-25.18	100	163	Peak	vertical



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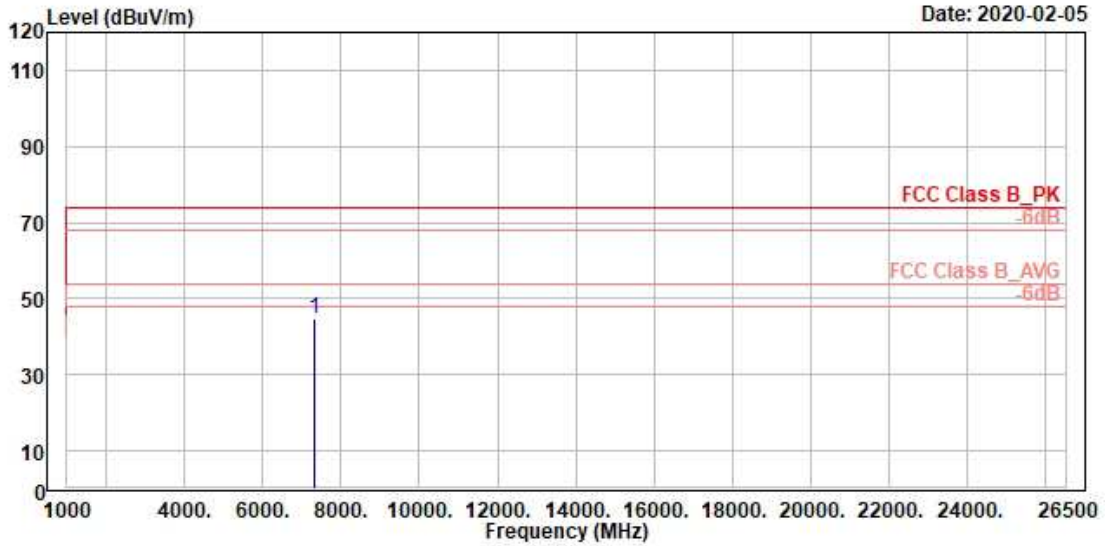
Date: 2020-02-05

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7320.000	47.48	54.95	-7.47	74.00	-26.52	100	0	Peak	horizontal





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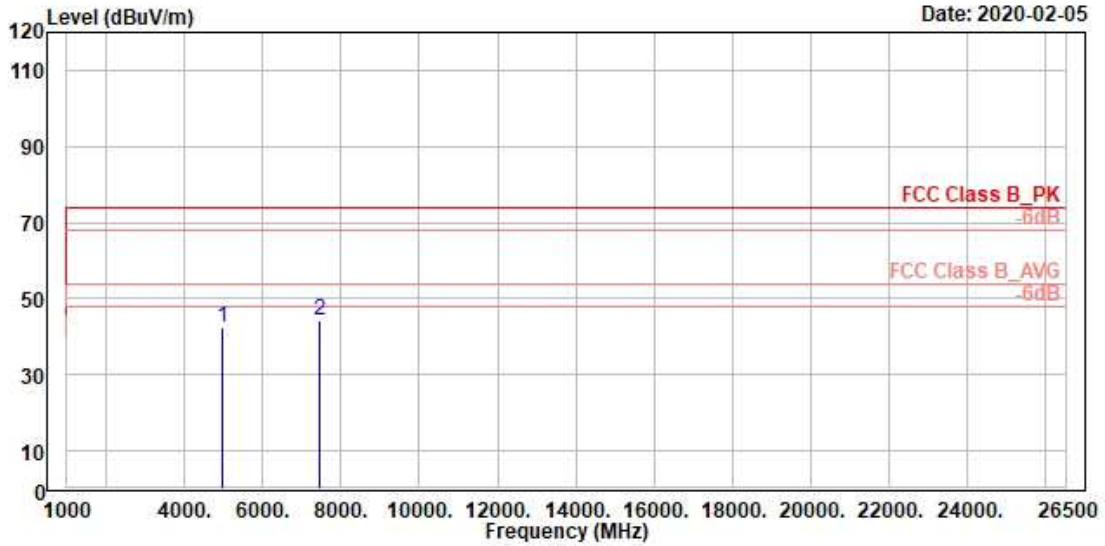


Date: 2020-02-05

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7320.000	44.92	52.39	-7.47	74.00	-29.08	100	122	Peak	vertical



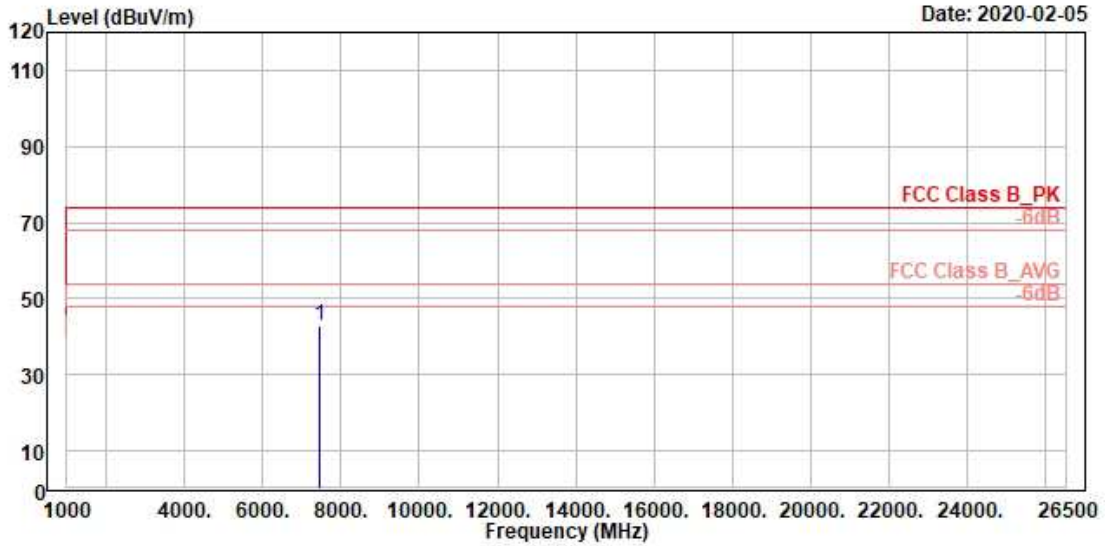
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	42.55	52.28	-9.73	74.00	-31.45	300	225	Peak	horizontal
2	7440.000	44.41	51.90	-7.49	74.00	-29.59	100	64	Peak	horizontal



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Date: 2020-02-05

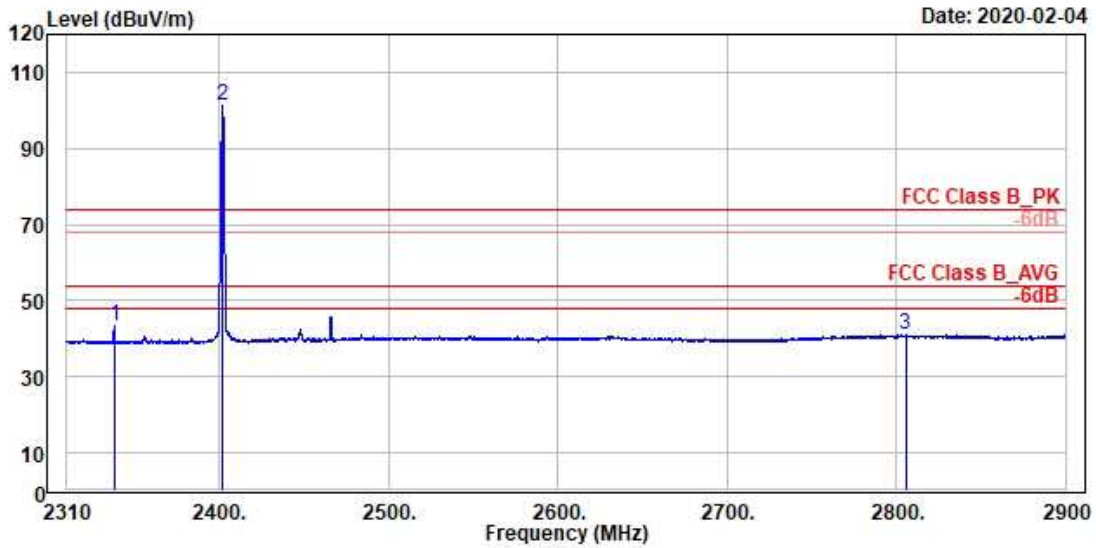
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1	7440.000	42.81	50.30	-7.49	74.00	-31.19	100	0	Peak	vertical

# Spurious Emissions, Band Edges (ANT 1M)

2402MHz\_Horizontal\_Average



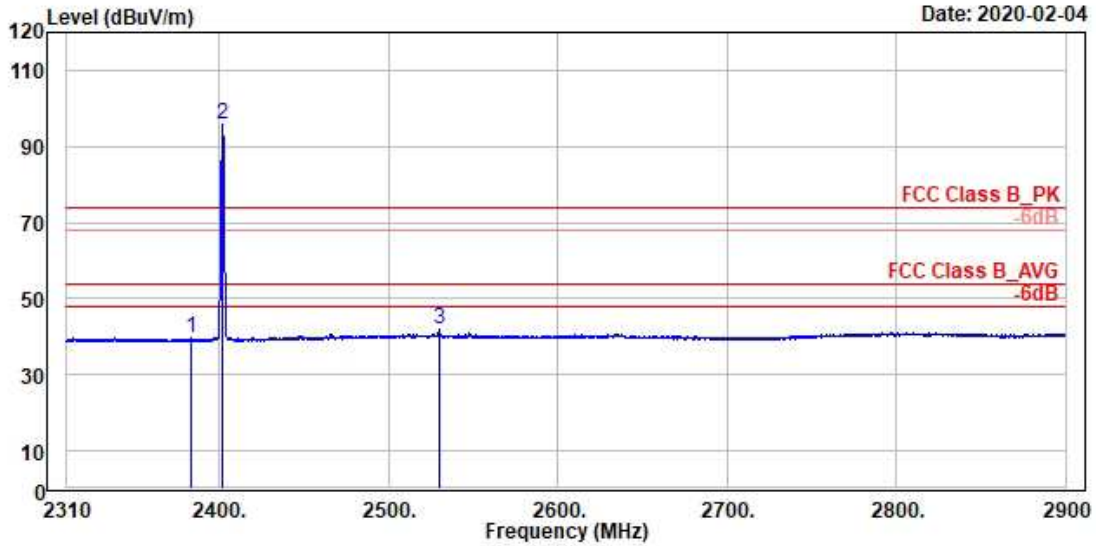
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2337.966	43.39	6.23	37.16	74.00	-30.61	144	192	Average	Horizontal
2 *	2402.000	101.11	63.96	37.15	74.00	27.11	144	192	Average	Horizontal
3	2805.600	40.95	2.83	38.12	74.00	-33.05	144	192	Average	Horizontal



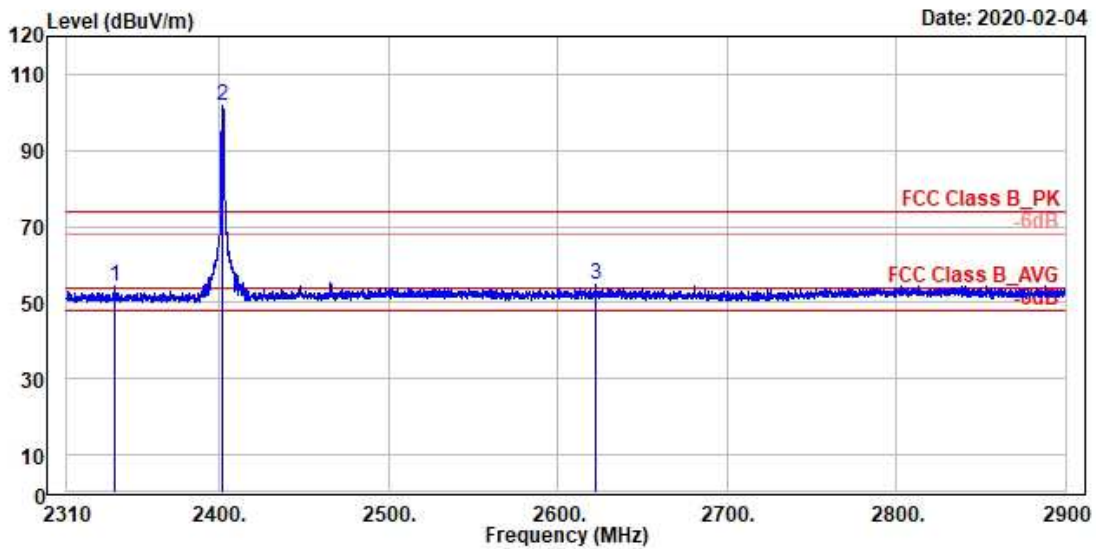
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2383.750	39.76	2.61	37.15	74.00	-34.24	215	323	Average	Vertical
2 *	2402.000	95.66	58.51	37.15	74.00	21.66	215	323	Average	Vertical
3	2529.952	42.03	4.21	37.82	74.00	-31.97	215	323	Average	Vertical



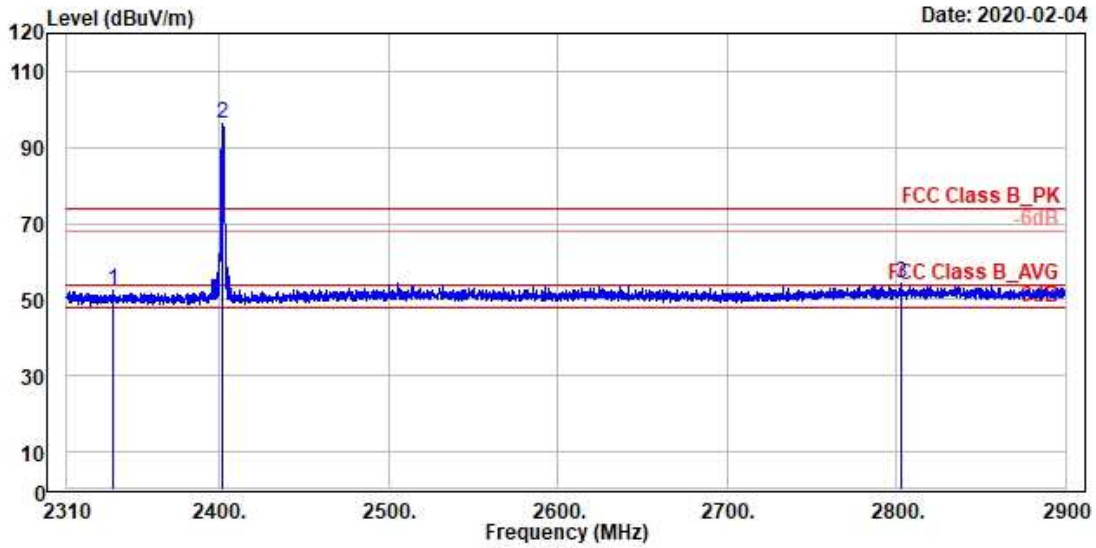
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2338.084	54.11	16.95	37.16	74.00	-19.89	144	192	Peak	Horizontal
2 *	2402.000	101.56	64.41	37.15	74.00	27.56	144	192	Peak	Horizontal
3	2622.818	54.76	17.09	37.67	74.00	-19.24	144	192	Peak	Horizontal



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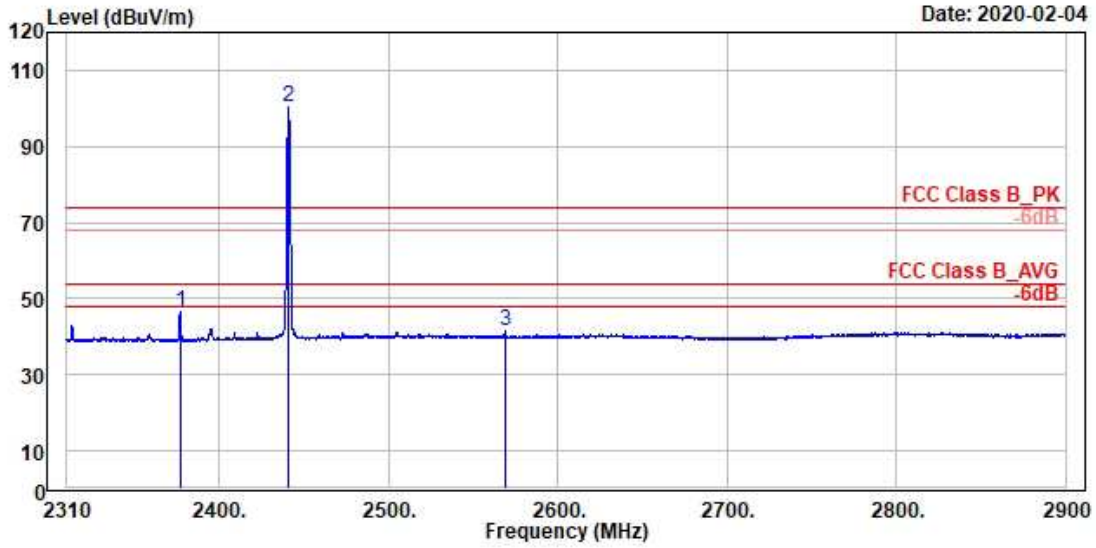


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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2337.258	52.29	15.13	37.16	74.00	-21.71	215	323	Peak	Vertical
2 *	2402.000	96.11	58.96	37.15	74.00	22.11	215	323	Peak	Vertical
3	2803.122	54.36	16.24	38.12	74.00	-19.64	215	323	Peak	Vertical





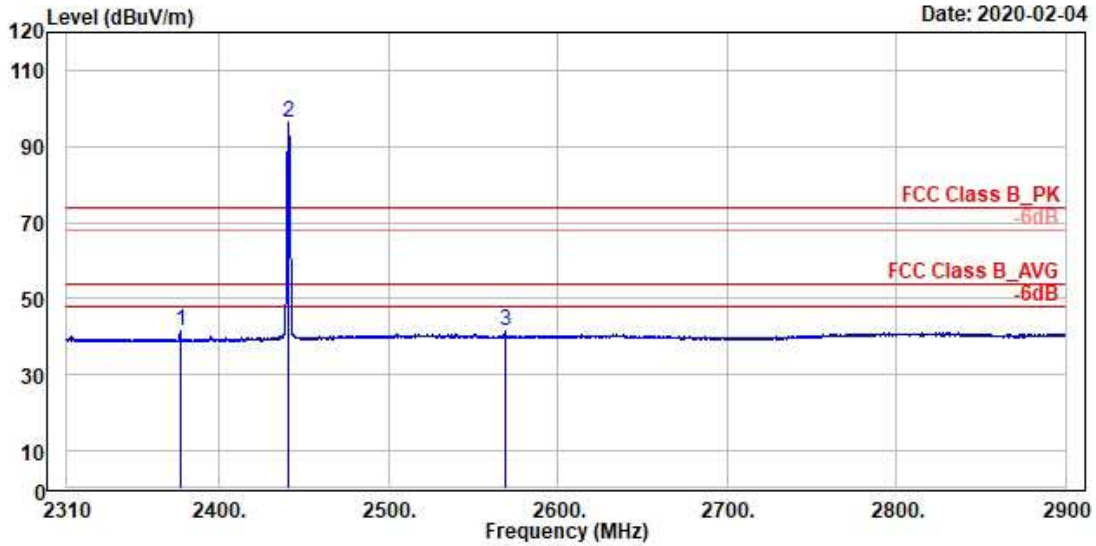
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2376.906	46.51	9.35	37.16	74.00	-27.49	128	190	Average	Horizontal
2 *	2441.000	100.35	63.00	37.35	74.00	26.35	128	190	Average	Horizontal
3	2568.892	41.39	3.53	37.86	74.00	-32.61	128	190	Average	Horizontal



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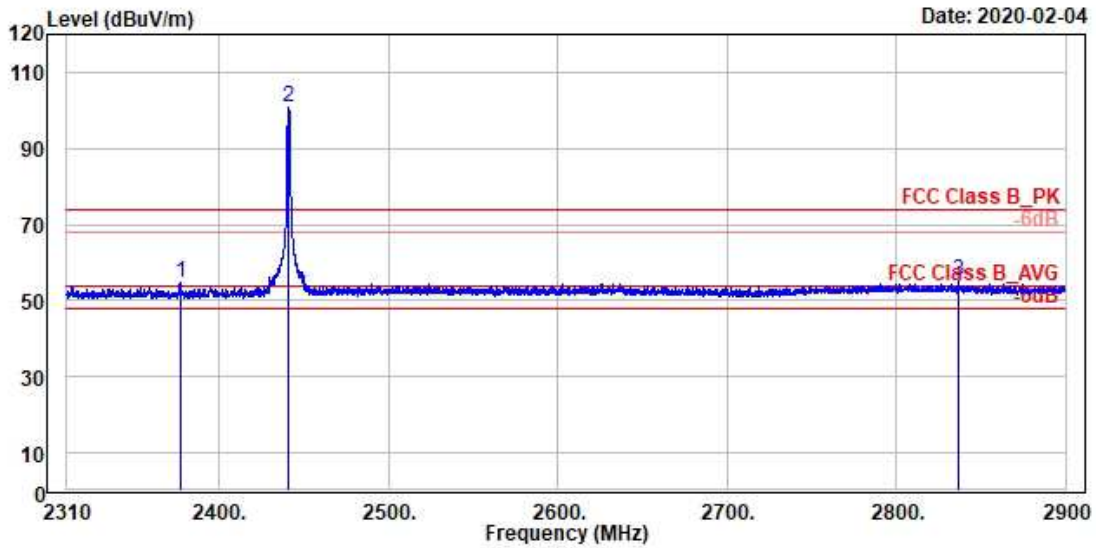


Date: 2020-02-04

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2376.906	41.54	4.38	37.16	74.00	-32.46	235	321	Average	Vertical
2 *	2441.000	96.42	59.07	37.35	74.00	22.42	235	321	Average	Vertical
3	2569.010	41.30	3.44	37.86	74.00	-32.70	235	321	Average	Vertical



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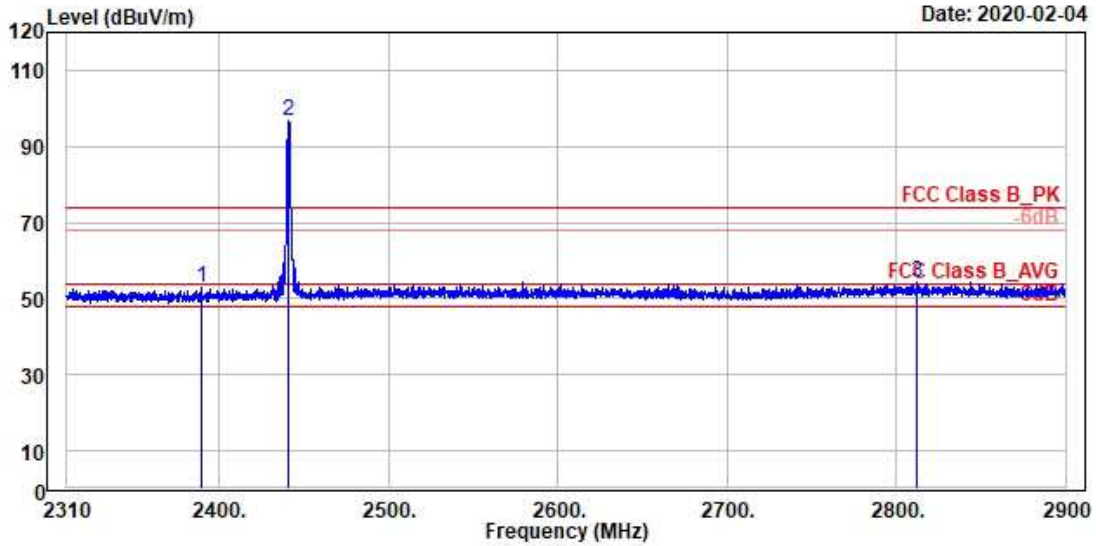


Date: 2020-02-04

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2377.260	54.91	17.75	37.16	74.00	-19.09	128	190	Peak	Horizontal
2 *	2441.000	100.83	63.48	37.35	74.00	26.83	128	190	Peak	Horizontal
3	2836.988	55.02	16.92	38.10	74.00	-18.98	128	190	Peak	Horizontal



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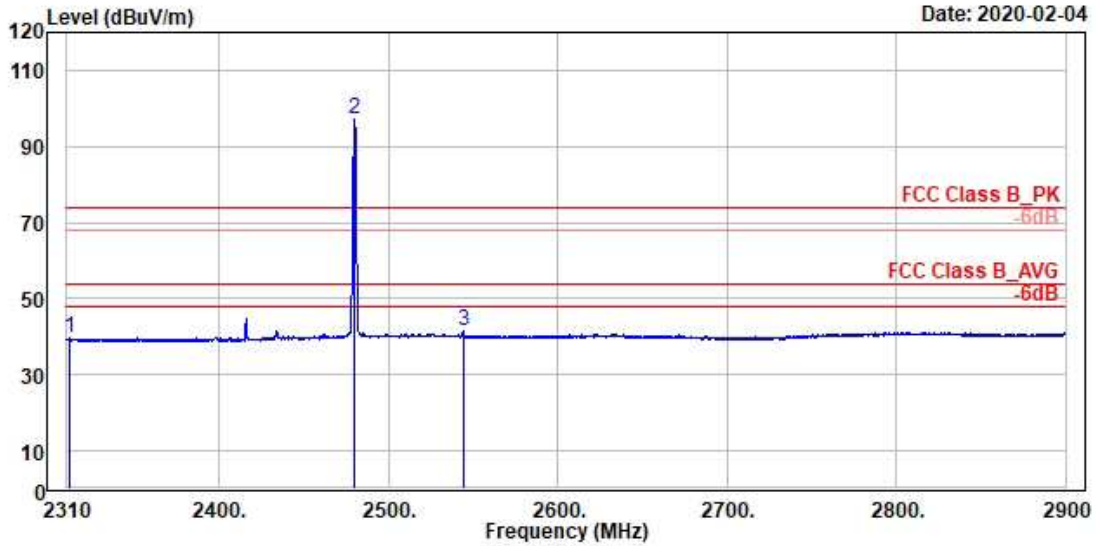


Date: 2020-02-04

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2389.178	52.80	15.66	37.14	74.00	-21.20	235	321	Peak	Vertical
2 *	2441.000	96.88	59.53	37.35	74.00	22.88	235	321	Peak	Vertical
3	2812.326	54.46	16.34	38.12	74.00	-19.54	235	321	Peak	Vertical



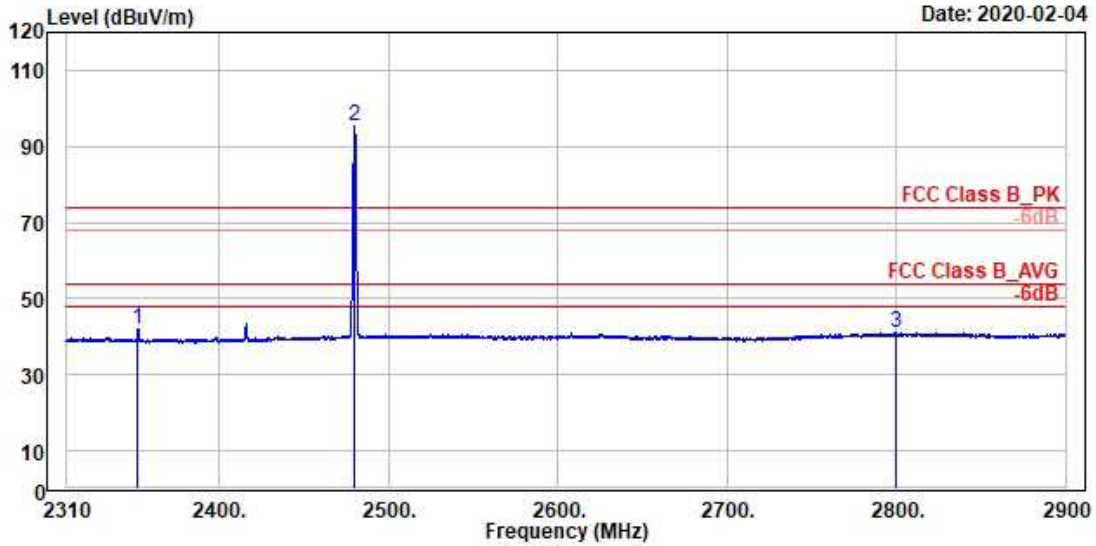
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2311.180	39.65	2.52	37.13	74.00	-34.35	158	232	Average	Horizontal
2 *	2480.000	97.15	59.59	37.56	74.00	23.15	158	232	Average	Horizontal
3	2543.994	41.39	3.50	37.89	74.00	-32.61	158	232	Average	Horizontal



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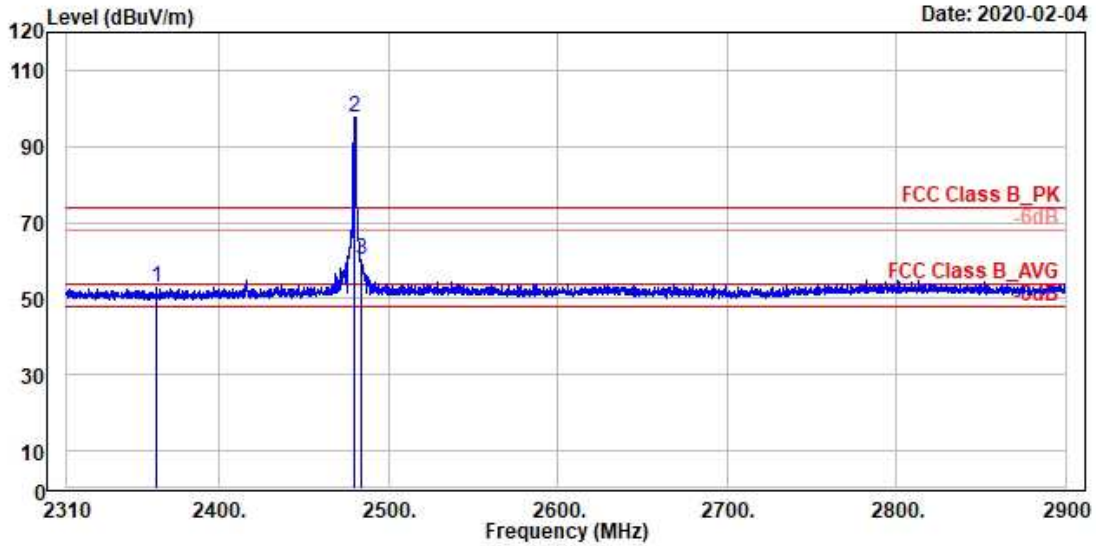


Date: 2020-02-04

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2352.008	41.99	4.81	37.18	74.00	-32.01	400	305	Average	Vertical
2 *	2480.000	95.52	57.96	37.56	74.00	21.52	400	305	Average	Vertical
3	2799.582	41.03	2.90	38.13	74.00	-32.97	400	305	Average	Vertical



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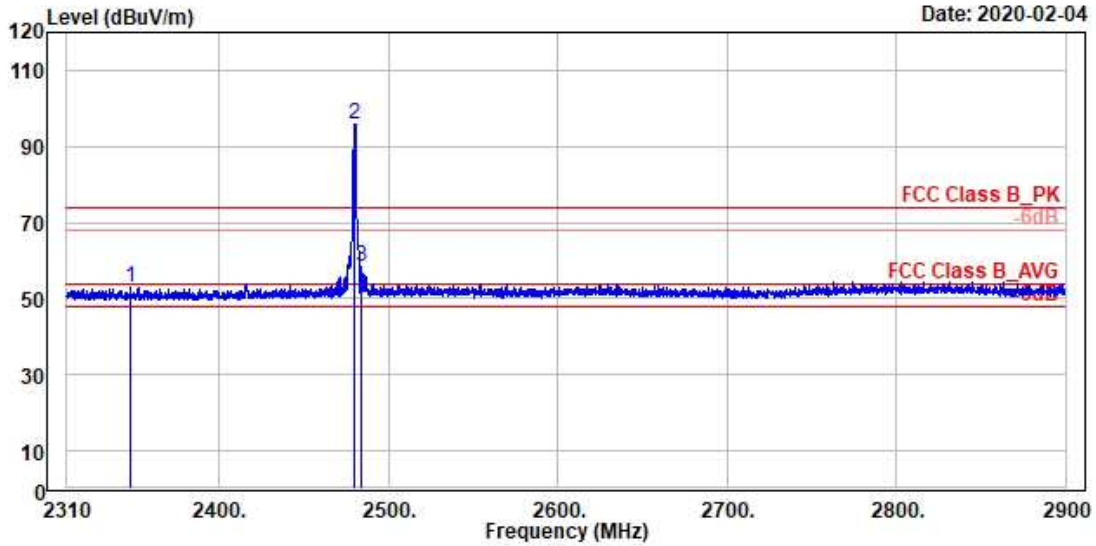


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2363.218	53.03	15.87	37.16	74.00	-20.97	158	232	Peak	Horizontal
2	* 2480.000	97.79	60.23	37.56	74.00	23.79	158	232	Peak	Horizontal
3	2483.500	60.31	22.74	37.57	74.00	-13.69	158	232	Peak	Horizontal





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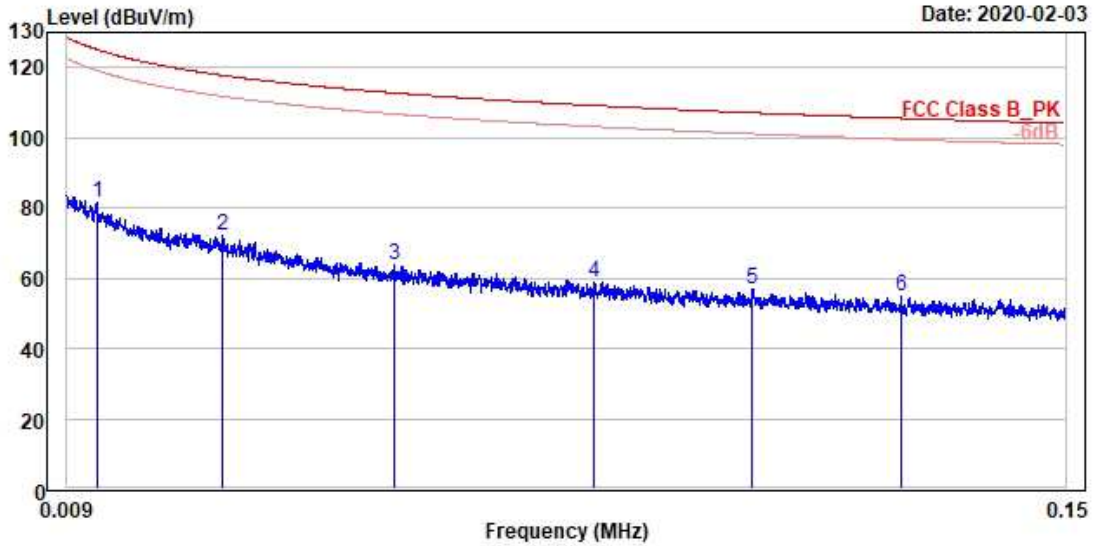


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2347.406	52.92	15.75	37.17	74.00	-21.08	400	305	Peak	Vertical
2 *	2480.000	95.98	58.42	37.56	74.00	21.98	400	305	Peak	Vertical
3	2484.168	58.59	21.01	37.58	74.00	-15.41	400	305	Peak	Vertical

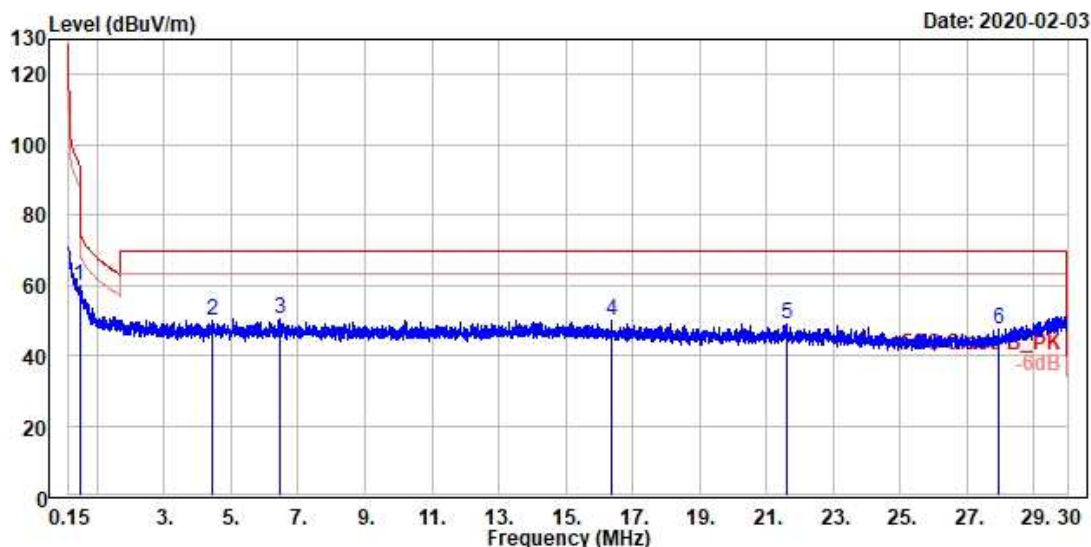
# Spurious Emissions, TX Mode, 9kHz-30MHz (ANT 1M)



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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.013	81.38	4.56	76.82	125.17	-43.79	100	72 QP		vertical
2	0.031	72.21	1.79	70.42	117.76	-45.55	100	203 QP		vertical
3	0.055	63.57	-0.74	64.31	112.74	-49.17	100	75 QP		vertical
4	0.084	58.91	-2.06	60.97	109.16	-50.25	100	37 QP		vertical
5	0.106	56.89	-2.02	58.91	107.10	-50.21	100	234 QP		vertical
6	0.127	55.01	-2.68	57.69	105.53	-50.52	100	190 QP		vertical

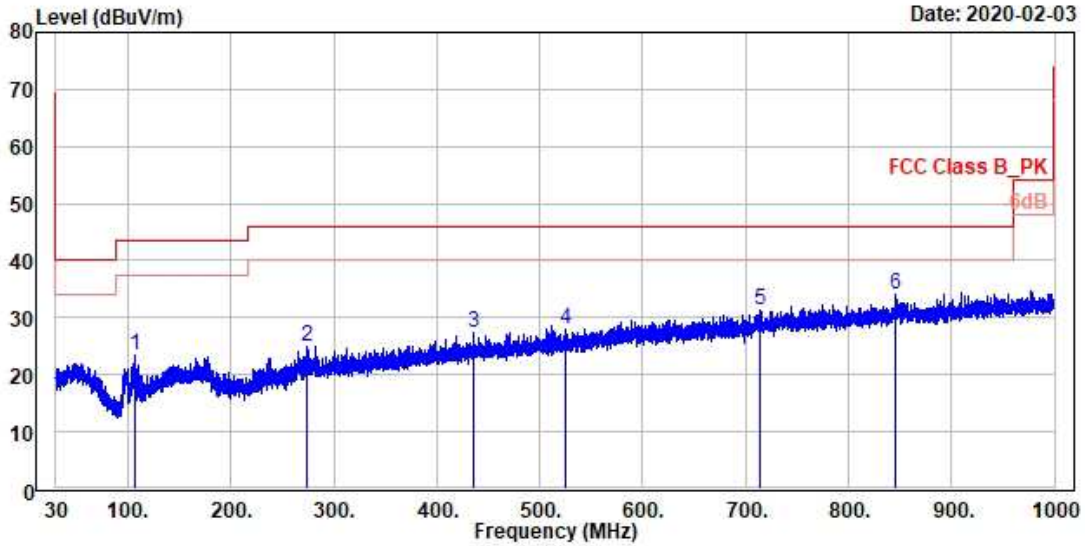


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.463	59.60	12.25	47.35	94.28	-34.68	100	27	QP	vertical
2	4.433	49.82	11.48	38.34	69.50	-19.68	100	74	QP	vertical
3	6.472	50.53	12.17	38.36	69.50	-18.97	100	320	QP	vertical
4	16.368	49.80	12.42	37.38	69.50	-19.70	100	169	QP	vertical
5	21.606	48.85	12.90	35.95	69.50	-20.65	100	57	QP	vertical
6	27.955	47.69	12.62	35.07	69.50	-21.81	100	70	QP	vertical

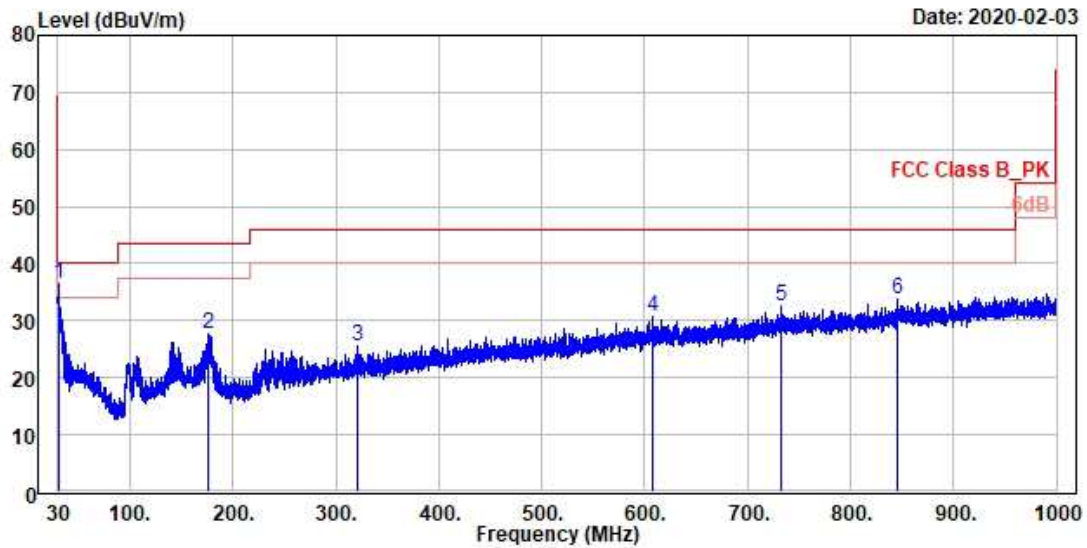
# Spurious Emissions, TX Mode, 30MHz-1GHz (ANT 1M)



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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	106.436	23.50	33.47	-9.97	43.50	-20.00	200	179	QP	horizontal
2	273.082	24.96	30.67	-5.71	46.00	-21.04	101	360	QP	horizontal
3	435.557	27.49	29.92	-2.43	46.00	-18.51	100	356	QP	horizontal
4	524.797	28.00	29.44	-1.44	46.00	-18.00	100	360	QP	horizontal
5	714.044	31.41	29.92	1.49	46.00	-14.59	200	251	QP	horizontal
6	846.255	34.16	30.72	3.44	46.00	-11.84	200	226	QP	horizontal



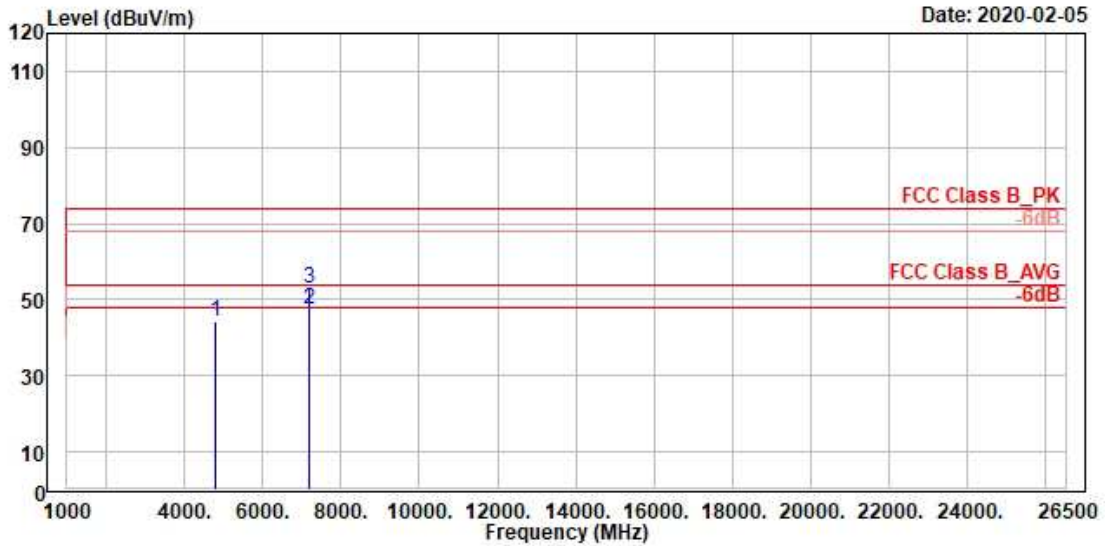
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 !	30.485	36.46	44.31	-7.85	40.00	-3.54	100	337	QP	vertical
2	176.664	27.81	34.66	-6.85	43.50	-15.69	100	347	QP	vertical
3	320.806	25.46	29.77	-4.31	46.00	-20.54	200	310	QP	vertical
4	607.247	30.62	30.33	0.29	46.00	-15.38	100	48	QP	vertical
5	731.892	32.42	30.51	1.91	46.00	-13.58	200	117	QP	vertical
6	845.576	33.71	30.28	3.43	46.00	-12.29	100	63	QP	vertical

# Spurious Emissions, TX Mode, 1GHz-26.5GHz (ANT 1M)

2402MHz\_Horizontal



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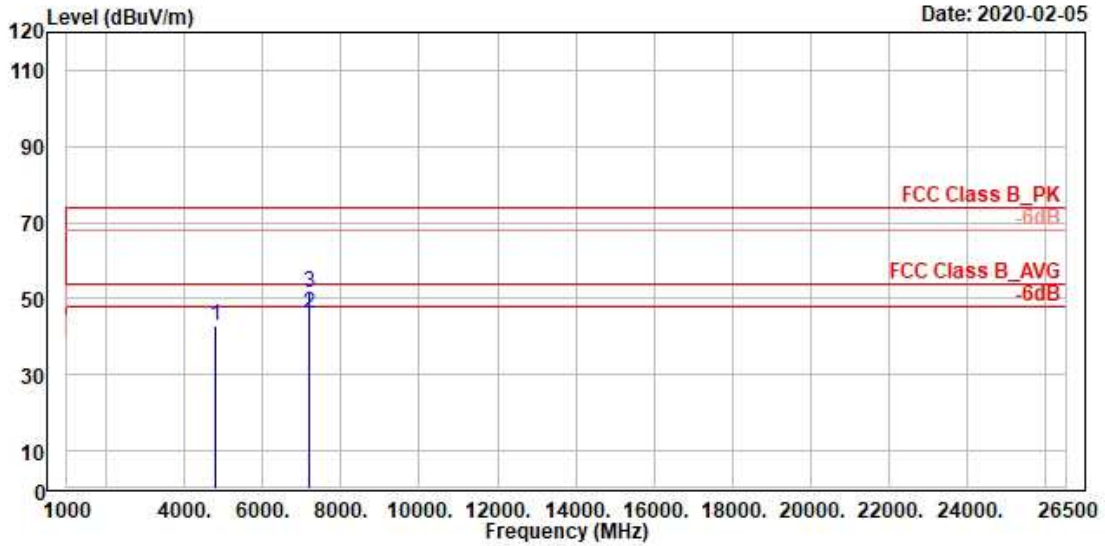


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	44.15	54.19	-10.04	74.00	-29.85	300	153	Peak	horizontal
2	7206.000	47.33	54.89	-7.56	54.00	-6.67	100	55	Average	horizontal
3	7206.000	52.95	60.51	-7.56	74.00	-21.05	100	55	Peak	horizontal





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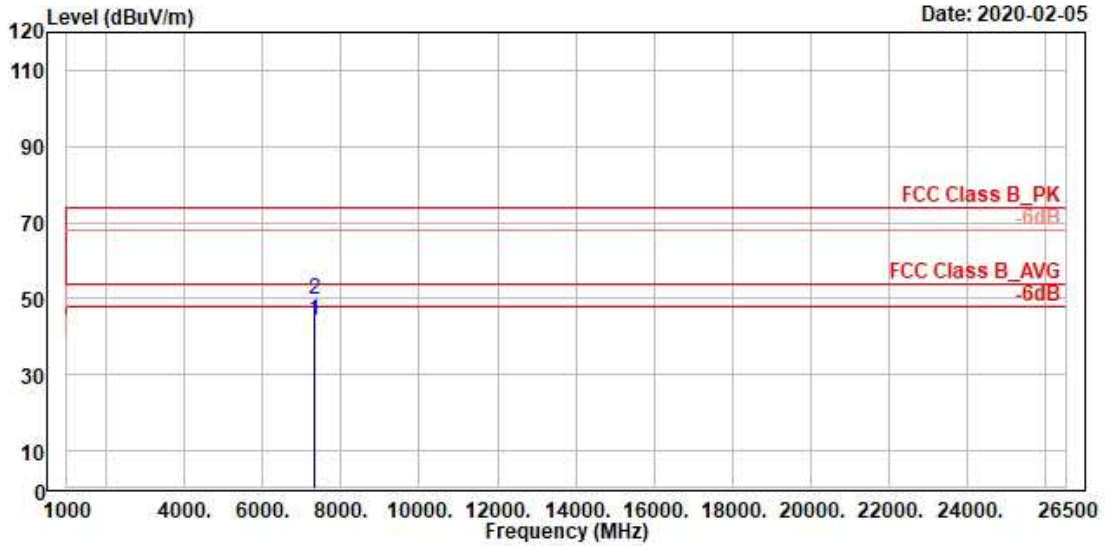


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	42.86	52.90	-10.04	74.00	-31.14	400	0	Peak	vertical
2	7206.000	46.08	53.64	-7.56	54.00	-7.92	100	166	Average	vertical
3	7206.000	51.56	59.12	-7.56	74.00	-22.44	100	166	Peak	vertical





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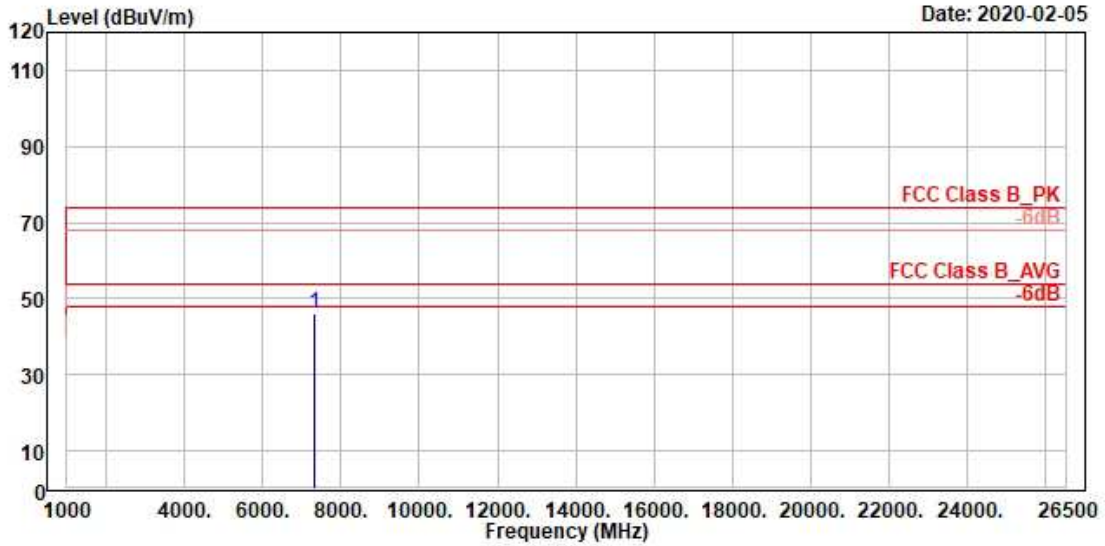


Date: 2020-02-05

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7323.000	44.30	51.77	-7.47	54.00	-9.70	400	60	Average	horizontal
2	7323.000	49.60	57.07	-7.47	74.00	-24.40	400	60	Peak	horizontal



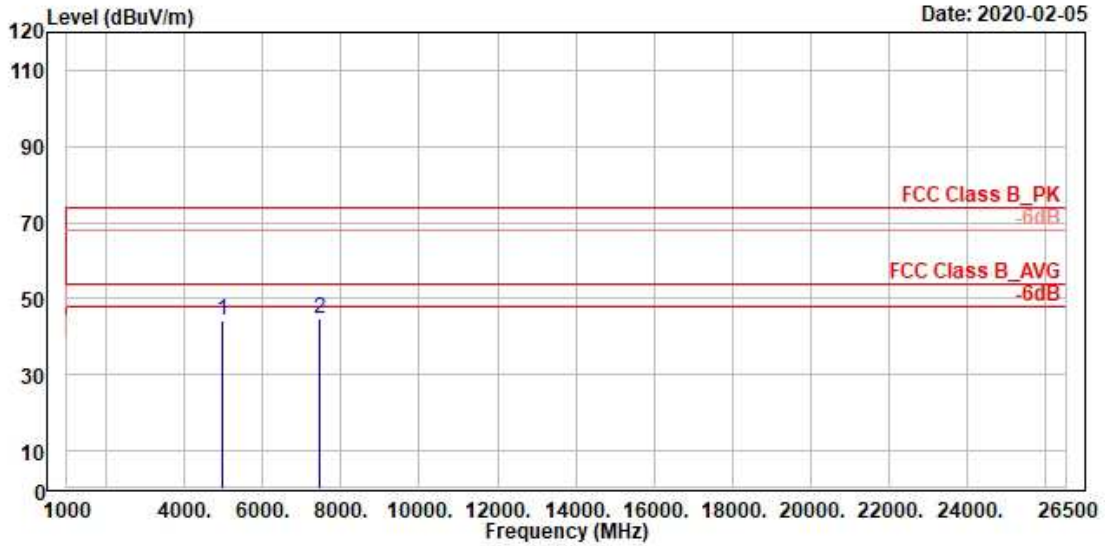
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7323.000	45.99	53.46	-7.47	74.00	-28.01	400	171	Peak	vertical



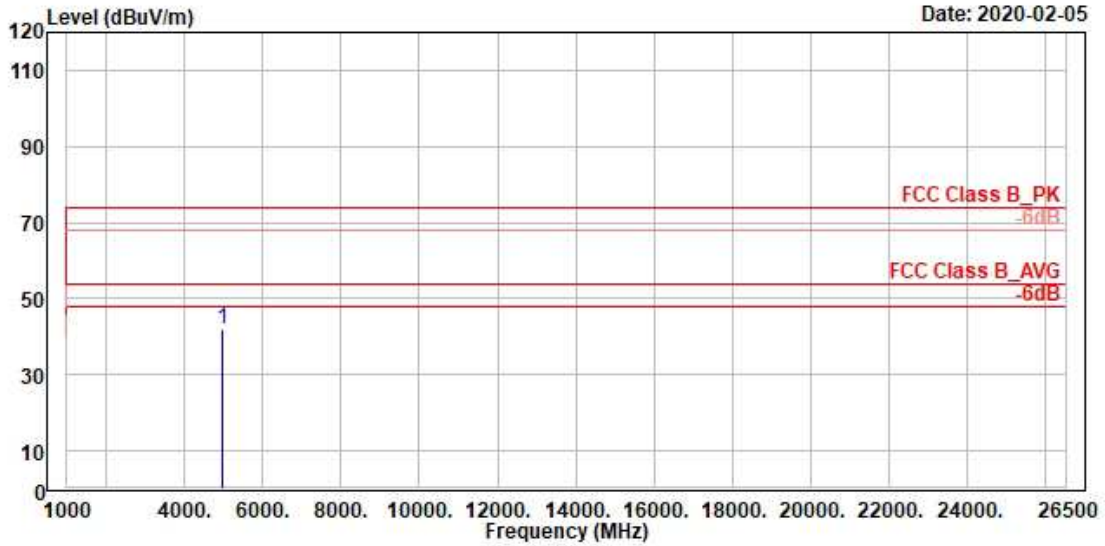
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	44.15	53.88	-9.73	74.00	-29.85	200	209	Peak	horizontal
2	7440.000	44.85	52.34	-7.49	74.00	-29.15	200	44	Peak	horizontal



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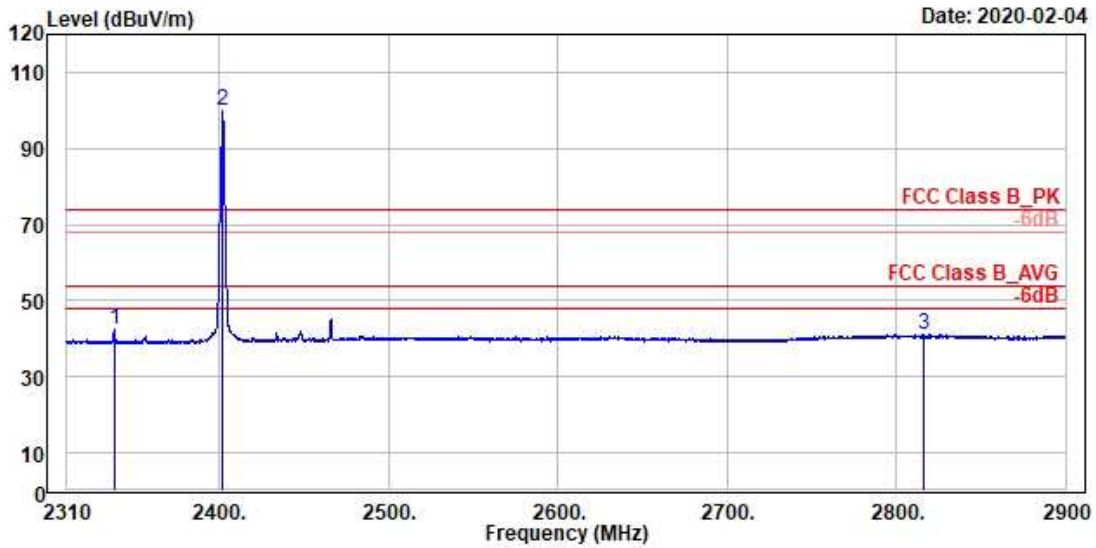
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1	4960.000	42.03	51.76	-9.73	74.00	-31.97	400	328	Peak	vertical

# Spurious Emissions, Band Edges (Nordic Original 2M)

2402MHz\_Horizontal\_Average



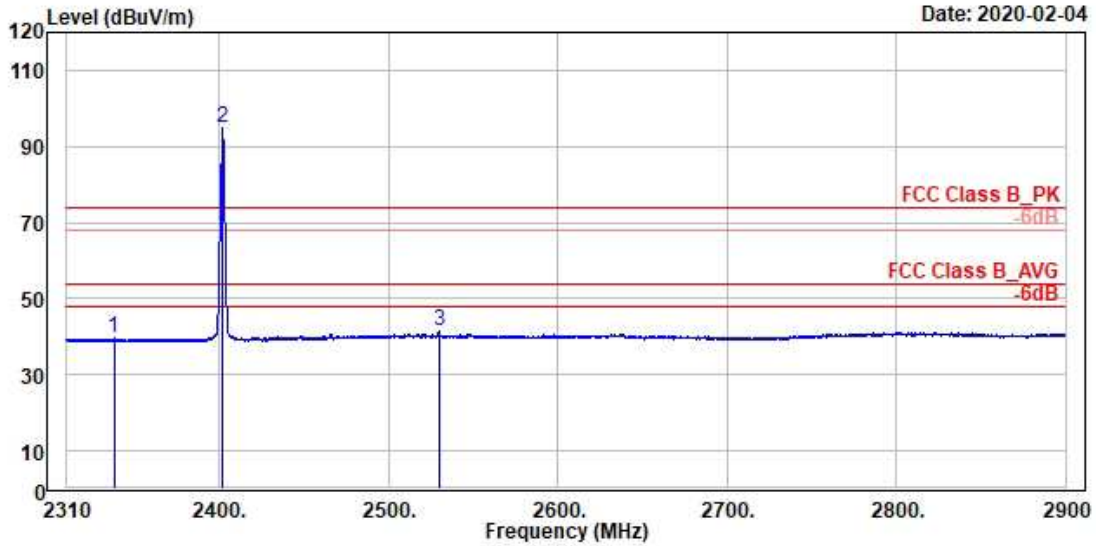
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2338.084	42.61	5.45	37.16	74.00	-31.39	144	192	Average	Horizontal
2 *	2402.000	99.93	62.78	37.15	74.00	25.93	144	192	Average	Horizontal
3	2815.984	40.96	2.84	38.12	74.00	-33.04	144	192	Average	Horizontal



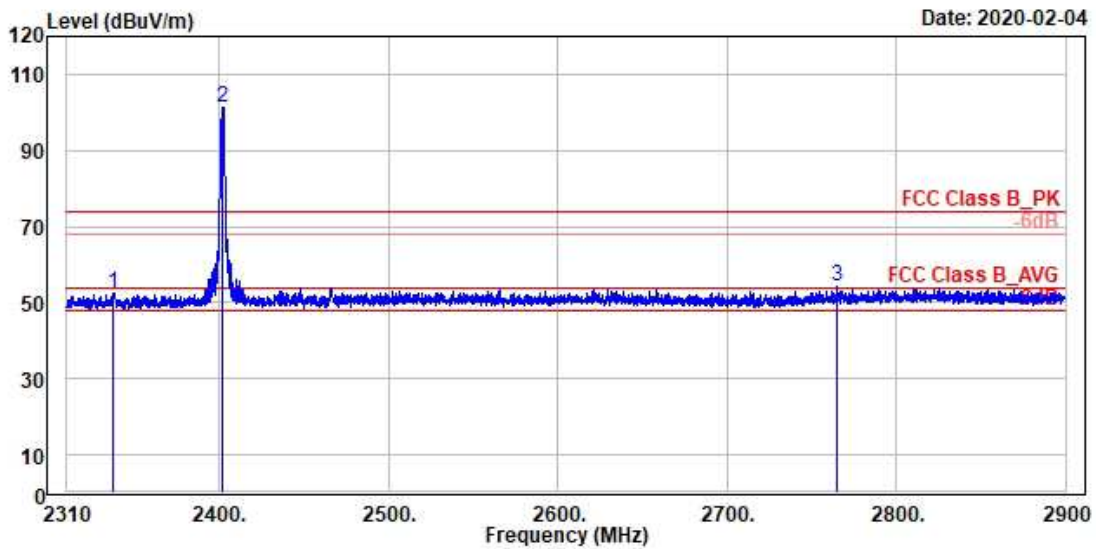
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2337.730	39.60	2.44	37.16	74.00	-34.40	215	323	Average	Vertical
2 *	2402.000	94.76	57.61	37.15	74.00	20.76	215	323	Average	Vertical
3	2529.952	41.50	3.68	37.82	74.00	-32.50	215	323	Average	Vertical



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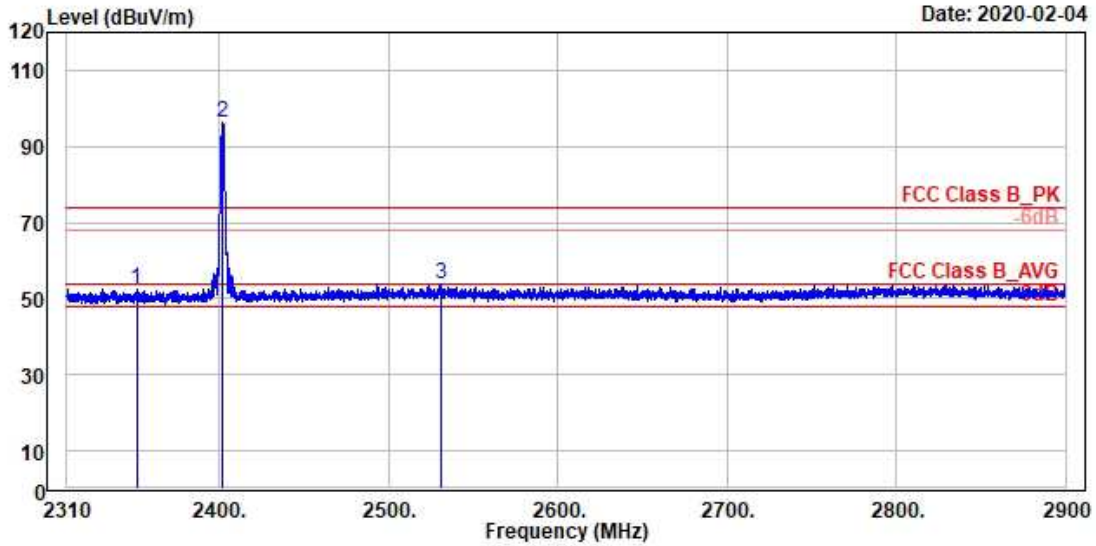


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2337.376	52.38	15.22	37.16	74.00	-21.62	144	192	Peak	Horizontal
2 *	2402.000	101.21	64.06	37.15	74.00	27.21	144	192	Peak	Horizontal
3	2765.244	54.28	16.20	38.08	74.00	-19.72	144	192	Peak	Horizontal





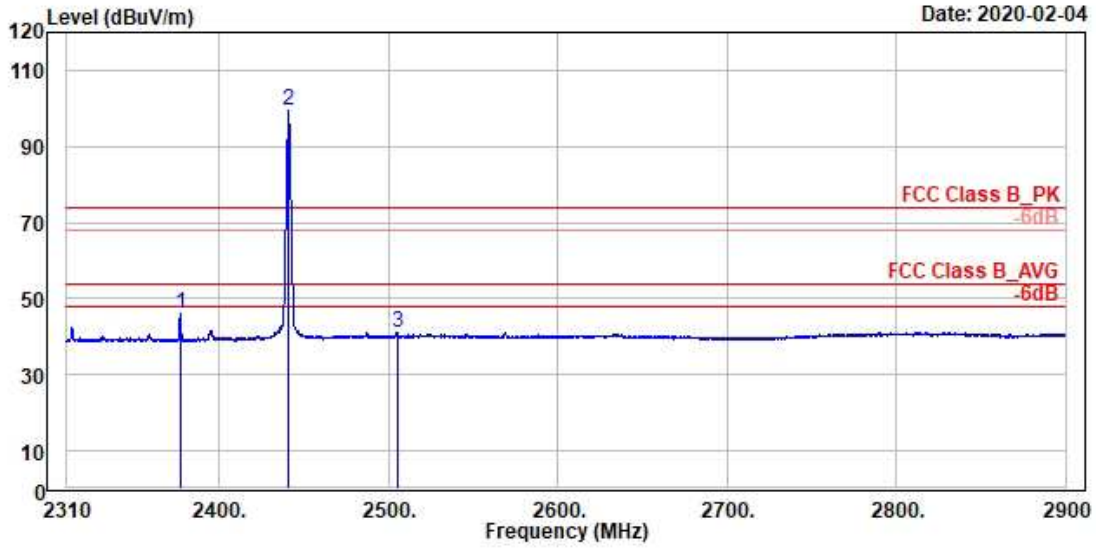
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2351.064	52.55	15.37	37.18	74.00	-21.45	215	323	Peak	Vertical
2	* 2402.000	96.08	58.93	37.15	74.00	22.08	215	323	Peak	Vertical
3	2531.132	53.76	15.94	37.82	74.00	-20.24	215	323	Peak	Vertical



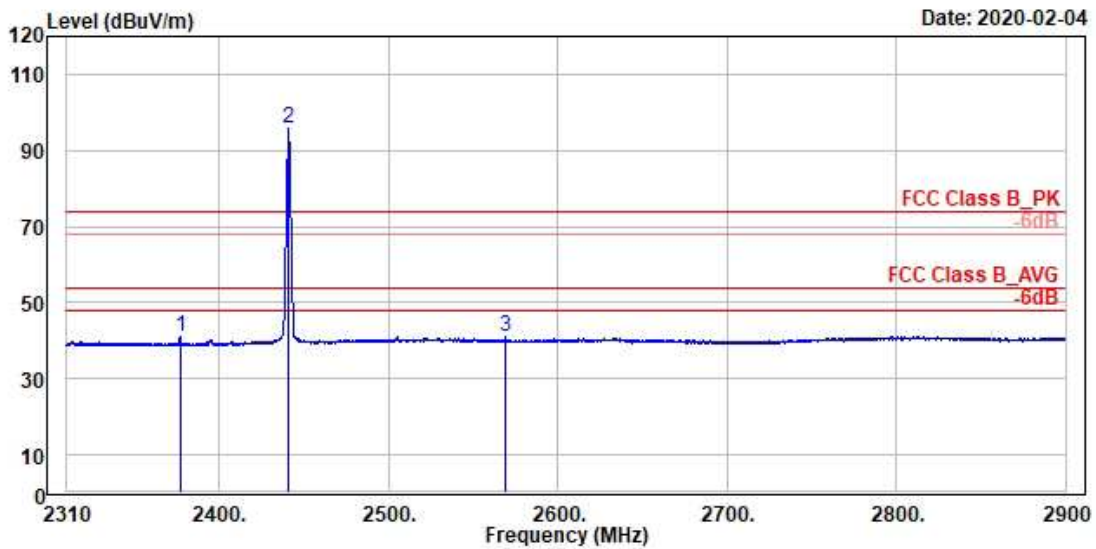
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2376.906	45.90	8.74	37.16	74.00	-28.10	128	190	Average	Horizontal
2 *	2441.000	99.53	62.18	37.35	74.00	25.53	128	190	Average	Horizontal
3	2505.054	41.07	3.38	37.69	74.00	-32.93	128	190	Average	Horizontal



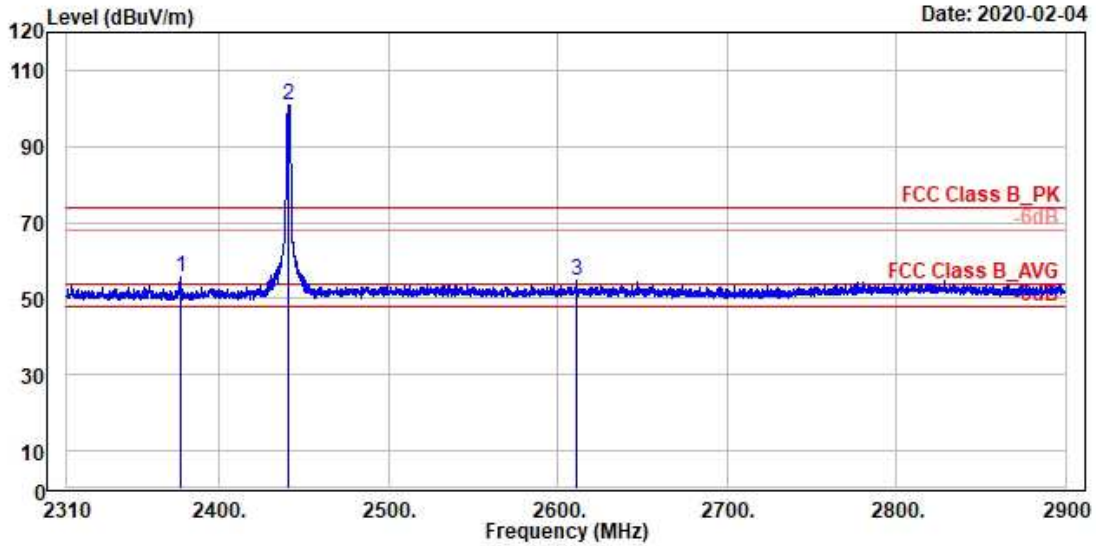
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBUV/m	dBuV	dB/m	dBUV/m	dB	cm	deg		
1	2376.906	41.00	3.84	37.16	74.00	-33.00	235	321	Average	Vertical
2 *	2441.000	95.63	58.28	37.35	74.00	21.63	235	321	Average	Vertical
3	2568.892	41.18	3.32	37.86	74.00	-32.82	235	321	Average	Vertical



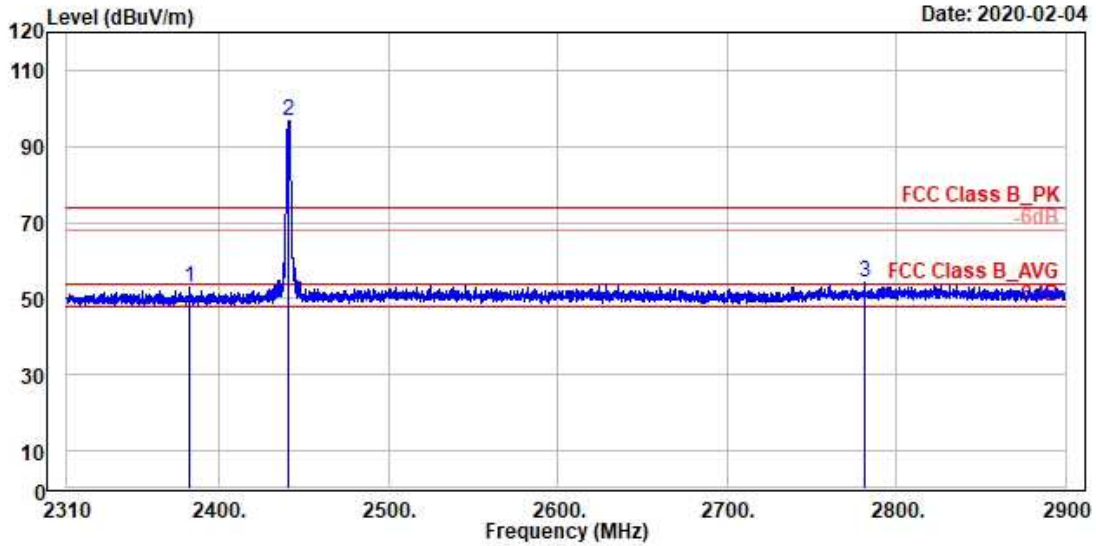
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2377.024	55.69	18.53	37.16	74.00	-18.31	128	190	Peak	Horizontal
2 *	2441.000	100.87	63.52	37.35	74.00	26.87	128	190	Peak	Horizontal
3	2611.136	54.96	17.23	37.73	74.00	-19.04	128	190	Peak	Horizontal



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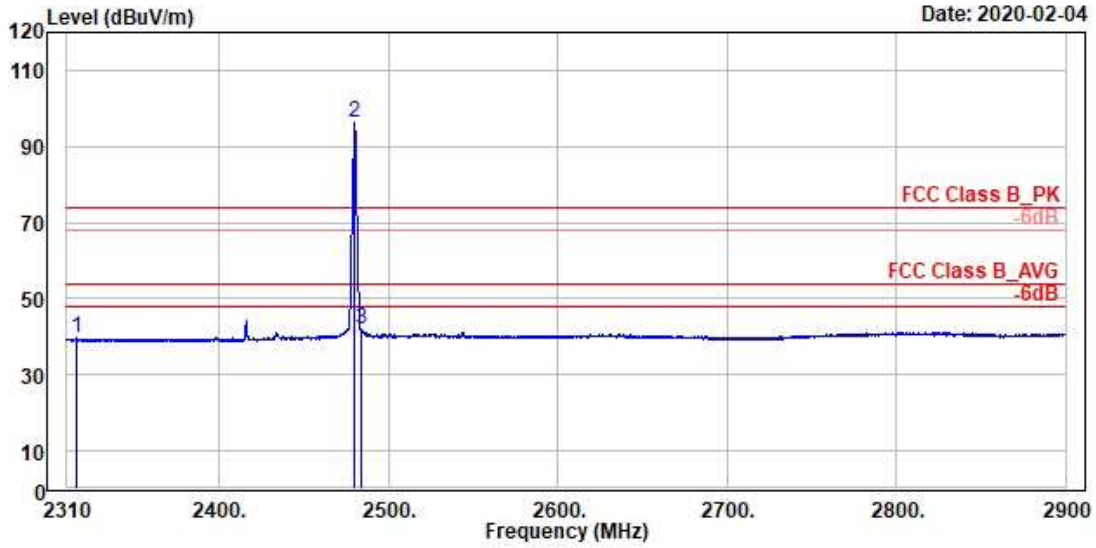


Date: 2020-02-04

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2382.216	52.74	15.59	37.15	74.00	-21.26	235	321	Peak	Vertical
2	* 2441.000	96.95	59.60	37.35	74.00	22.95	235	321	Peak	Vertical
3	2781.174	54.32	16.22	38.10	74.00	-19.68	235	321	Peak	Vertical



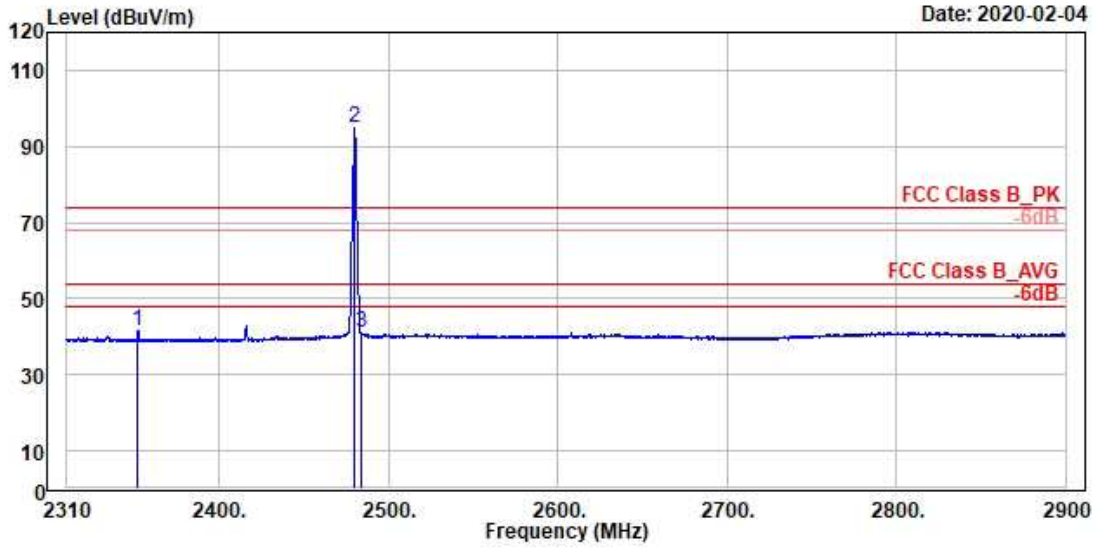
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2315.546	39.54	2.41	37.13	74.00	-34.46	158	232	Average	Horizontal
2 *	2480.038	96.47	58.91	37.56	74.00	22.47	158	232	Average	Horizontal
3	2483.578	42.03	4.46	37.57	74.00	-31.97	158	232	Average	Horizontal



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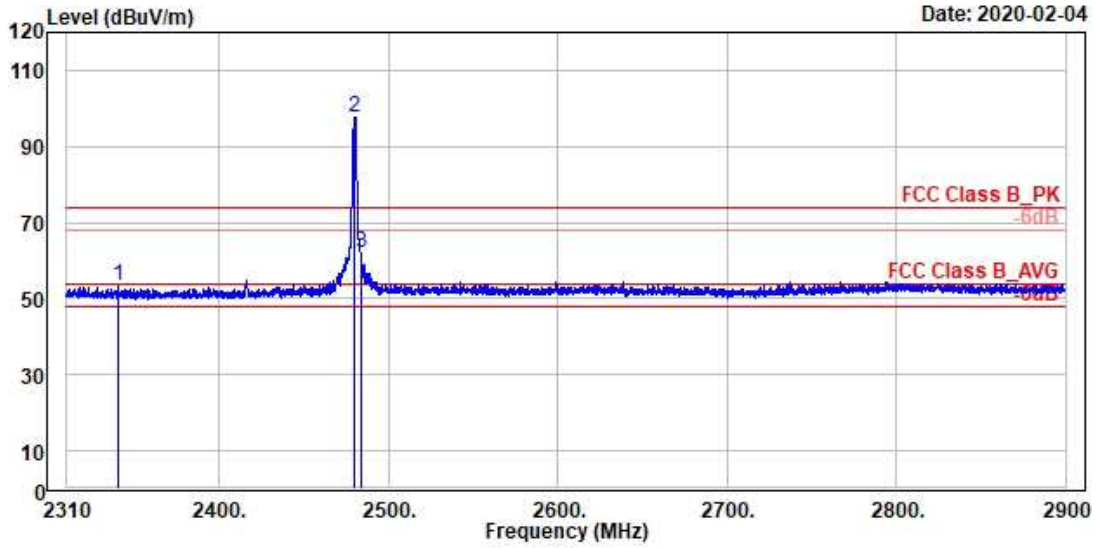


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2352.008	41.60	4.42	37.18	74.00	-32.40	400	305	Average	VERTICAL
2 *	2480.000	94.68	57.12	37.56	74.00	20.68	400	305	Average	VERTICAL
3	2483.500	41.19	3.62	37.57	74.00	-32.81	400	305	Average	VERTICAL





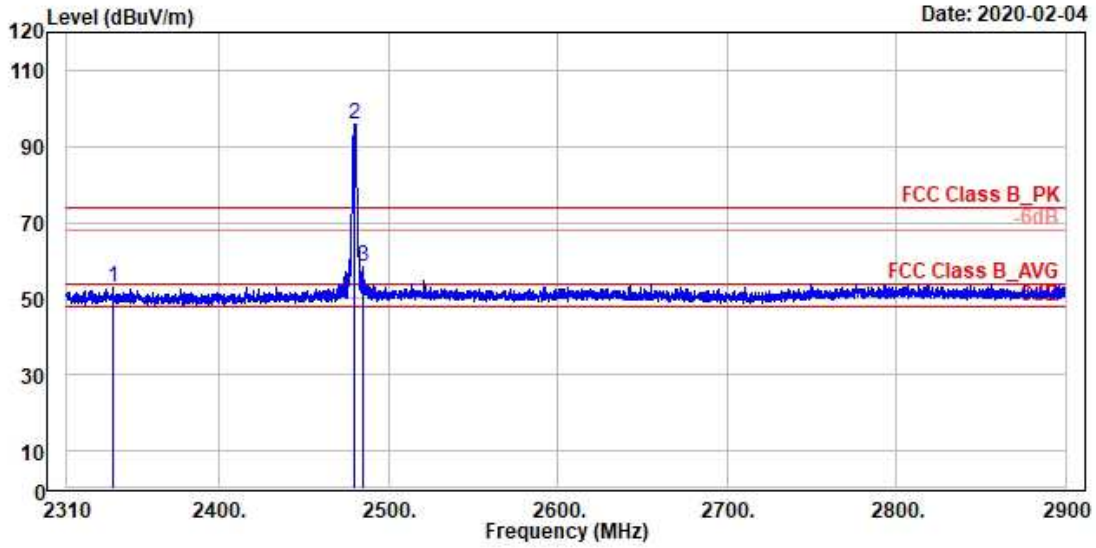
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2340.326	53.21	16.05	37.16	74.00	-20.79	158	232	Peak	Horizontal
2 *	2480.000	97.86	60.30	37.56	74.00	23.86	158	232	Peak	Horizontal
3	2483.500	61.93	24.36	37.57	74.00	-12.07	158	232	Peak	Horizontal



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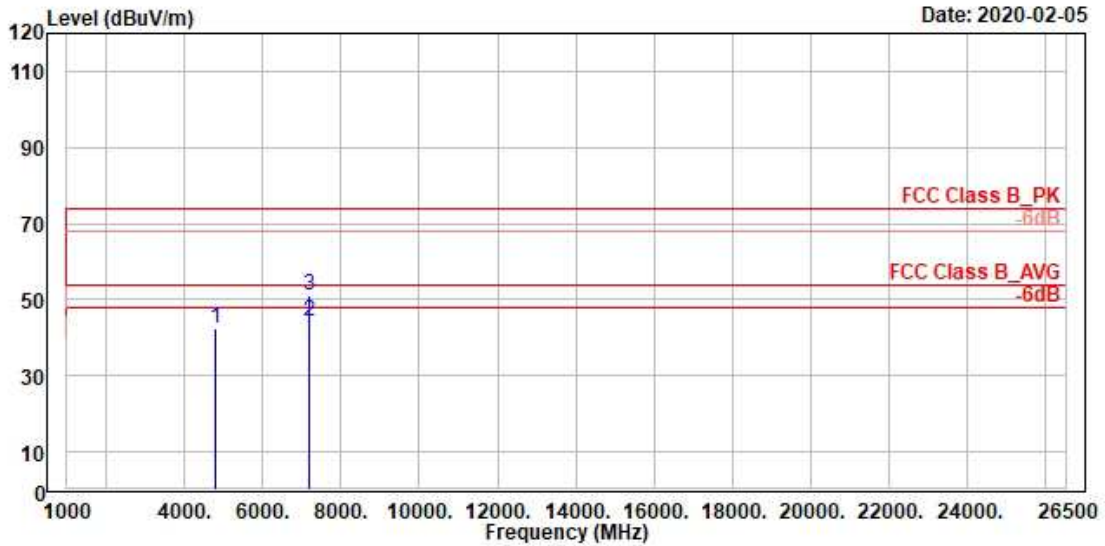
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2336.786	53.05	15.89	37.16	74.00	-20.95	400	305	Peak	VERTICAL
2 *	2480.000	96.02	58.46	37.56	74.00	22.02	400	305	Peak	VERTICAL
3	2484.522	58.41	20.83	37.58	74.00	-15.59	400	305	Peak	VERTICAL

# Spurious Emissions, TX Mode, 1GHz-26.5GHz (Nordic Original 2M)

2402MHz\_Horizontal



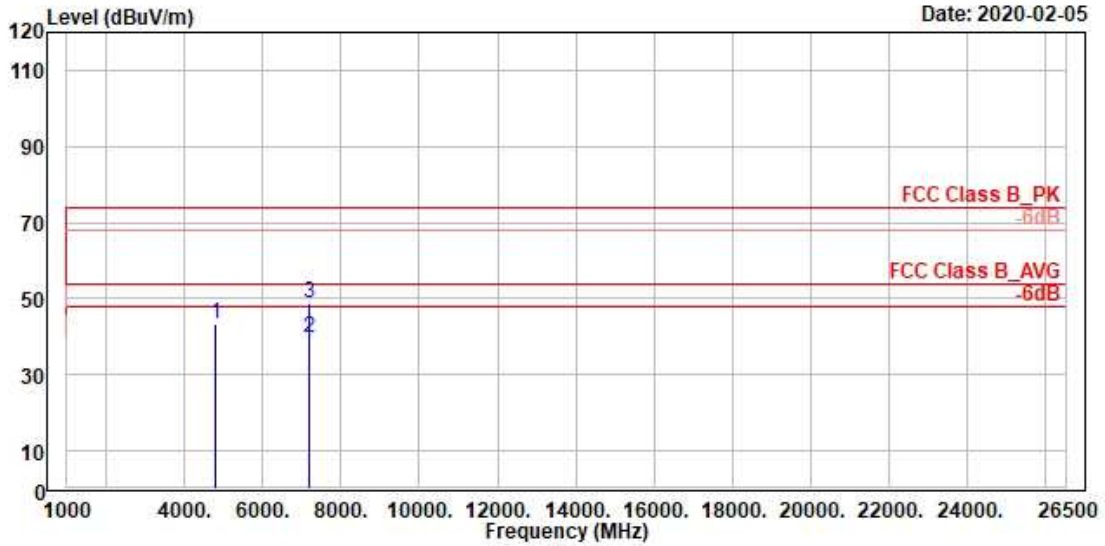
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	42.44	52.48	-10.04	74.00	-31.56	100	123	Peak	horizontal
2	7206.000	44.12	51.68	-7.56	54.00	-9.88	113	360	Average	horizontal
3	7206.000	51.01	58.57	-7.56	74.00	-22.99	113	360	Peak	horizontal



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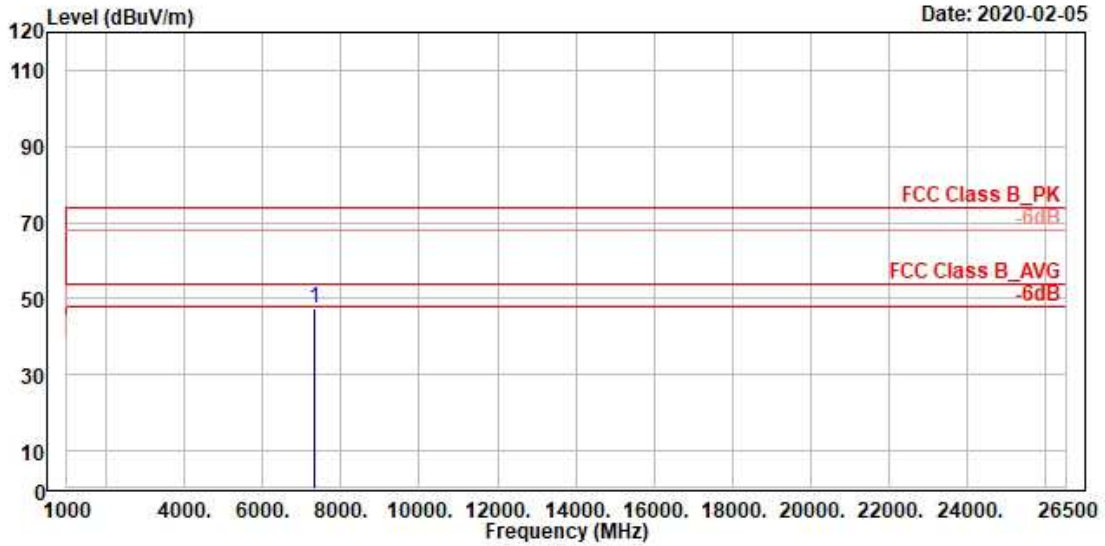


Date: 2020-02-05

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	43.54	53.58	-10.04	74.00	-30.46	400	358	Peak	vertical
2	7206.000	39.75	47.31	-7.56	54.00	-14.25	400	117	Average	vertical
3	7206.000	48.65	56.21	-7.56	74.00	-25.35	400	117	Peak	vertical



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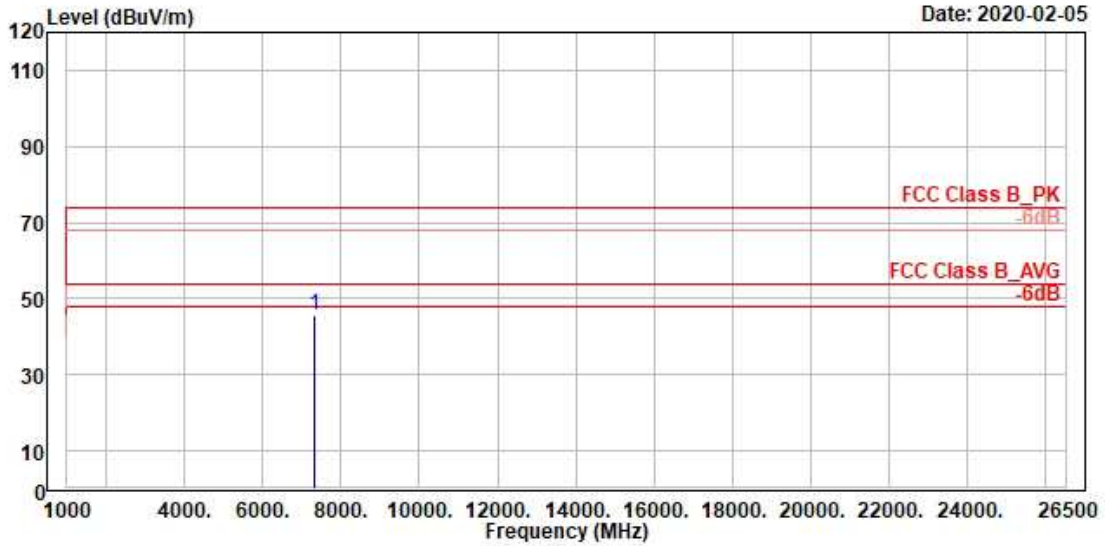


Date: 2020-02-05

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7323.000	47.49	54.96	-7.47	74.00	-26.51	400	92	Peak	horizontal



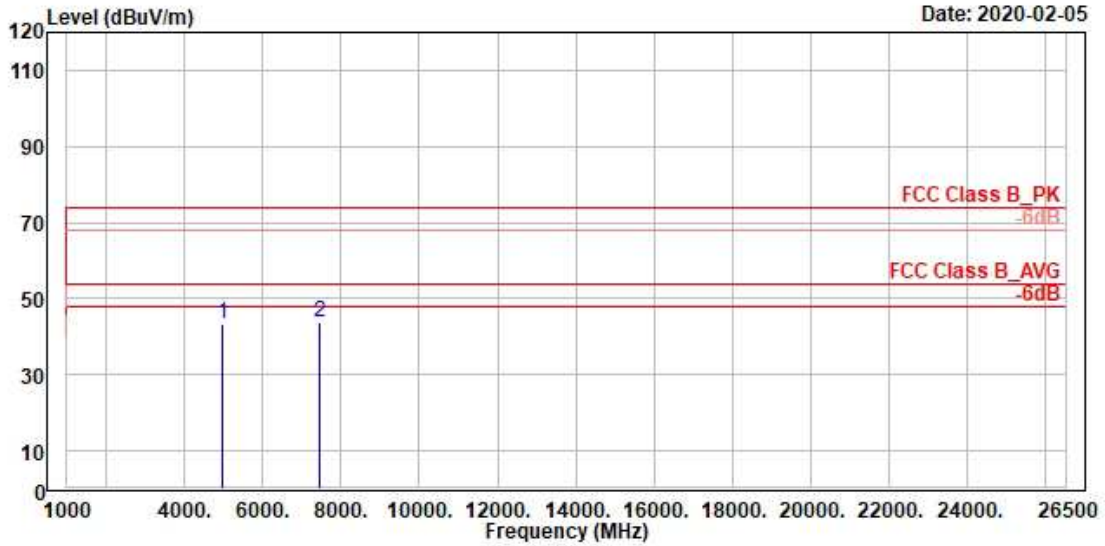
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7323.000	45.64	53.11	-7.47	74.00	-28.36	400	169	Peak	vertical



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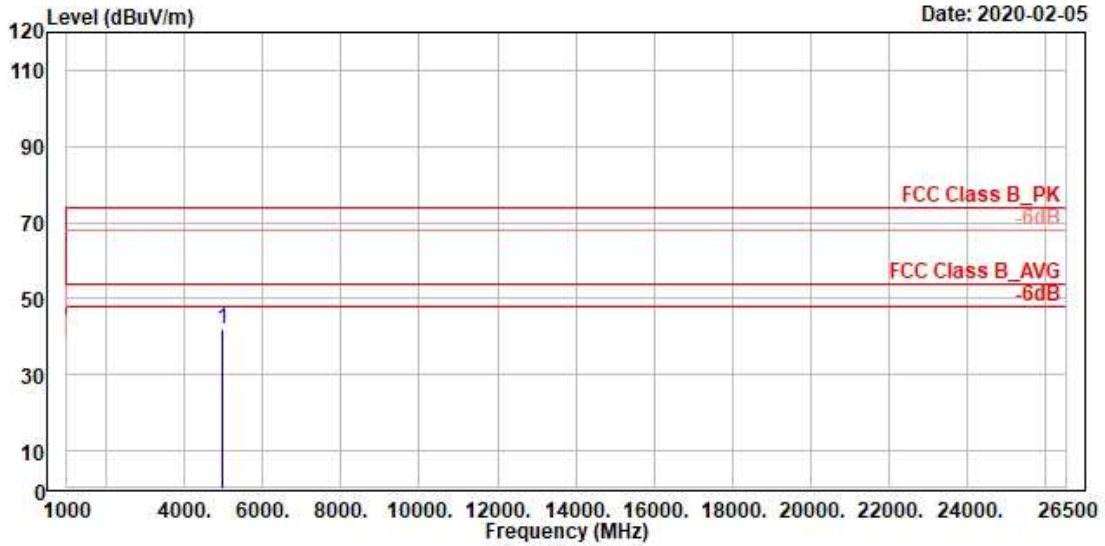


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	43.15	52.88	-9.73	74.00	-30.85	200	219	Peak	horizontal
2	7440.000	43.87	51.36	-7.49	74.00	-30.13	400	59	Peak	horizontal





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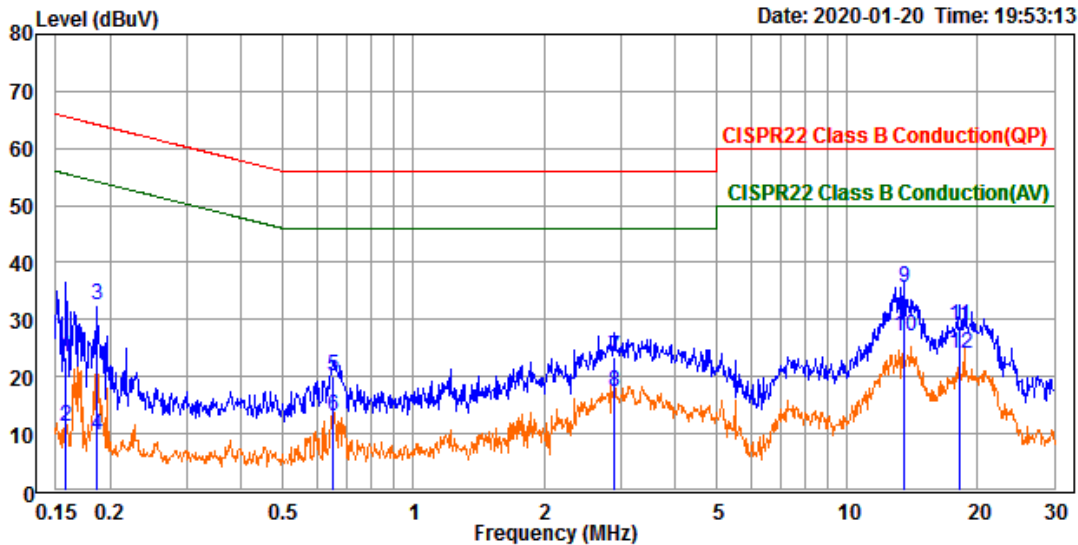


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	41.89	51.62	-9.73	74.00	-32.11	400	133	Peak	vertical

# Spurious Emissions, AC Mains (802.15.4)

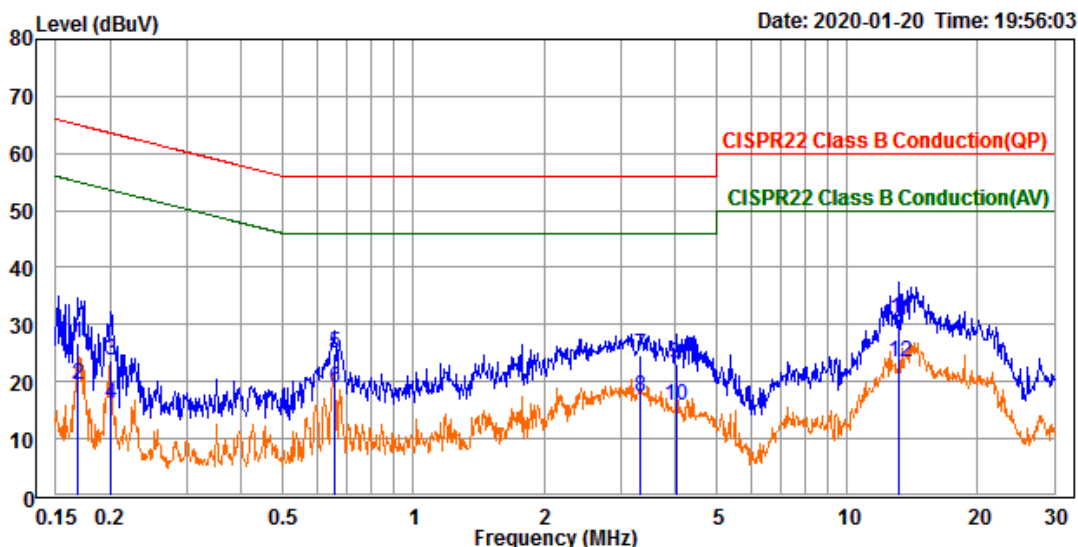


TUV Rheinland Taiwan Ltd.  
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Trace: 1  
 Site : Conduction room  
 Condition : CISPR22 Class B Conduction(QP) line1  
 Test Engineer: Aslen Chiu  
 Product : Wireless combo module  
 Model No. : EYSNCN  
 Test Rating : 120Vac / 60Hz  
 Tmp/Hum : 24.5°C / 42%  
 Memo : Vdc 3V  
 : IEEE 802.15.4

	Read Freq	Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.158	13.93	9.61	23.54	65.54	-42.00	QP
2	0.158	1.65	9.61	11.26	55.54	-44.28	Average
3	0.187	22.97	9.61	32.58	64.18	-31.60	QP
4	0.187	0.17	9.61	9.78	54.18	-44.40	Average
5	0.653	10.59	9.62	20.21	56.00	-35.79	QP
6	0.653	3.60	9.62	13.22	46.00	-32.78	Average
7	2.911	13.83	9.65	23.48	56.00	-32.52	QP
8	2.911	7.78	9.65	17.43	46.00	-28.57	Average
9	13.581	25.70	9.75	35.45	60.00	-24.55	QP
10	13.581	17.19	9.75	26.94	50.00	-23.06	Average
11	18.134	19.07	9.78	28.85	60.00	-31.15	QP
12	18.134	14.33	9.78	24.11	50.00	-25.89	Average



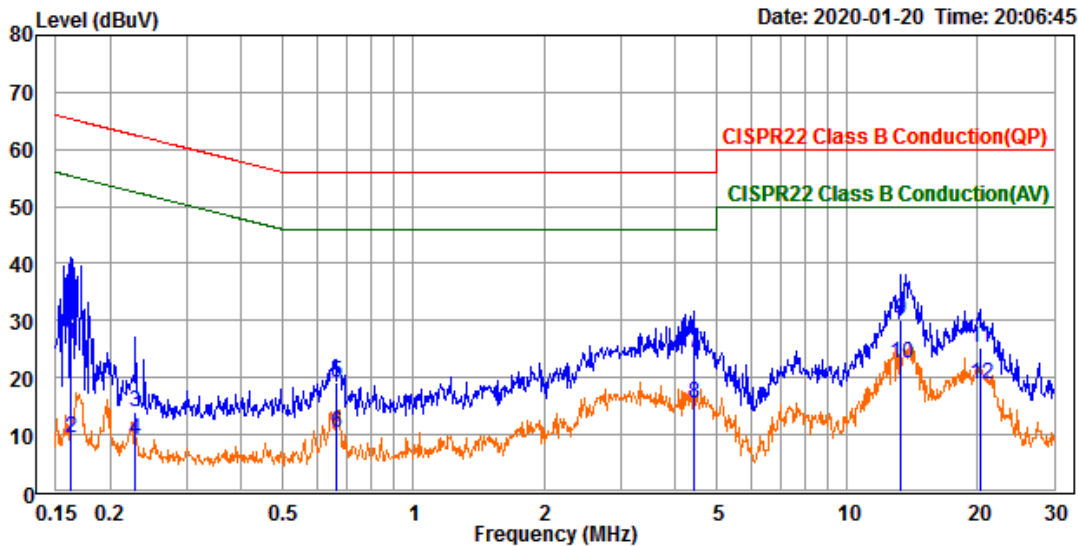
Trace: 1  
 Site : Conduction room  
 Condition : CISPR22 Class B Conduction(QP) neutral  
 Test Engineer: Aslen Chiu  
 Product : Wireless combo module  
 Model No. : EYSNCN  
 Test Rating : 120Vac / 60Hz  
 Tmp/Hum : 24.5°C / 42%  
 Memo : Vdc 3V  
 : IEEE 802.15.4

	Read Freq	Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.169	17.29	9.62	26.91	65.01	-38.10	QP
2	0.169	9.81	9.62	19.43	55.01	-35.58	Average
3	0.201	14.01	9.62	23.63	63.56	-39.93	QP
4	0.201	6.46	9.62	16.08	53.56	-37.48	Average
5	0.656	15.34	9.63	24.97	56.00	-31.03	QP
6	0.656	9.25	9.63	18.88	46.00	-27.12	Average
7	3.330	15.03	9.66	24.69	56.00	-31.31	QP
8	3.330	7.81	9.66	17.47	46.00	-28.53	Average
9	4.025	13.31	9.68	22.99	56.00	-33.01	QP
10	4.025	6.10	9.68	15.78	46.00	-30.22	Average
11	13.181	21.40	9.77	31.17	60.00	-28.83	QP
12	13.181	13.52	9.77	23.29	50.00	-26.71	Average

# Spurious Emissions, AC Mains (BLE 2M)

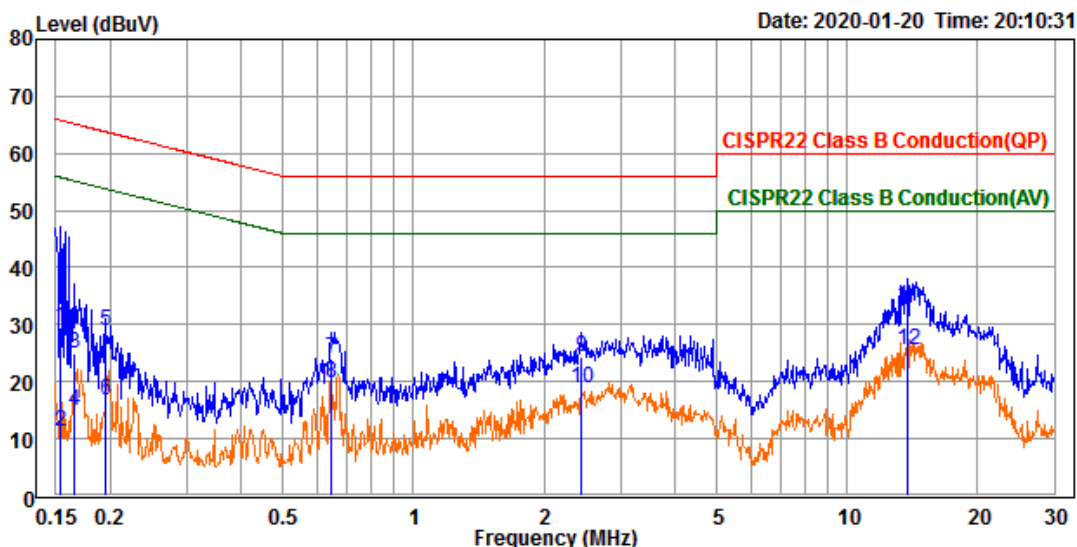


TUV Rheinland Taiwan Ltd.  
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 Tel:+886-2172-7000 Fax:+886-2528-0018



Trace: 1  
 Site : Conduction room  
 Condition : CISPR22 Class B Conduction(QP) line1  
 Test Engineer: Aslen Chiu  
 Product : Wireless combo module  
 Model No. : EYSNCN  
 Test Rating : 120Vac / 60Hz  
 Tmp/Hum : 24.5°C / 42%  
 Memo : Vdc 3V  
 : LE 2M

	Read Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.162	16.29	9.61	25.90	65.38	-39.48	QP
2	0.162	-0.06	9.61	9.55	55.38	-45.83	Average
3	0.229	4.33	9.61	13.94	62.48	-48.54	QP
4	0.229	-0.54	9.61	9.07	52.48	-43.41	Average
5	0.662	9.51	9.62	19.13	56.00	-36.87	QP
6	0.662	0.81	9.62	10.43	46.00	-35.57	Average
7	4.425	14.70	9.68	24.38	56.00	-31.62	QP
8	4.425	5.89	9.68	15.57	46.00	-30.43	Average
9	13.313	20.38	9.75	30.13	60.00	-29.87	QP
10	13.313	12.79	9.75	22.54	50.00	-27.46	Average
11	20.235	15.52	9.79	25.31	60.00	-34.69	QP
12	20.235	9.11	9.79	18.90	50.00	-31.10	Average



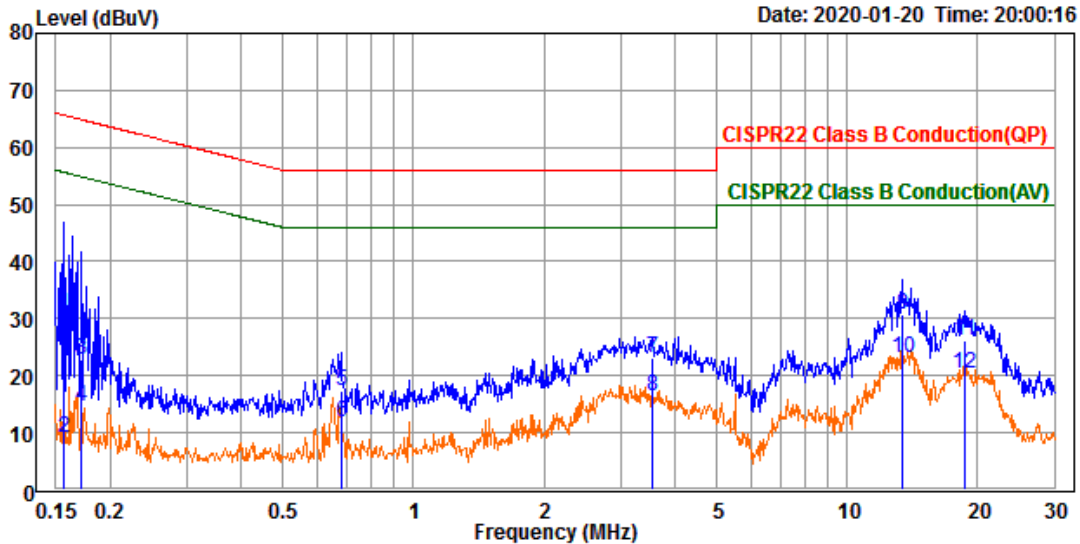
Trace: 1  
 Site : Conduction room  
 Condition : CISPR22 Class B Conduction(QP) neutral  
 Test Engineer: Aslen Chiu  
 Product : Wireless combo module  
 Model No. : EYSNCN  
 Test Rating : 120Vac / 60Hz  
 Tmp/Hum : 24.5°C / 42%  
 Memo : Vdc 3V  
 : LE 2M

	Read Freq	Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.154	19.83	9.62	29.45	65.79	-36.34	QP
2	0.154	1.72	9.62	11.34	55.79	-44.45	Average
3	0.165	15.22	9.62	24.84	65.21	-40.37	QP
4	0.165	5.30	9.62	14.92	55.21	-40.29	Average
5	0.194	19.19	9.62	28.81	63.85	-35.04	QP
6	0.194	7.11	9.62	16.73	53.85	-37.12	Average
7	0.646	14.46	9.63	24.09	56.00	-31.91	QP
8	0.646	10.11	9.63	19.74	46.00	-26.26	Average
9	2.433	14.68	9.66	24.34	56.00	-31.66	QP
10	2.433	9.09	9.66	18.75	46.00	-27.25	Average
11	13.786	23.39	9.78	33.17	60.00	-26.83	QP
12	13.786	15.79	9.78	25.57	50.00	-24.43	Average

# Spurious Emissions, AC Mains (BLE long range)

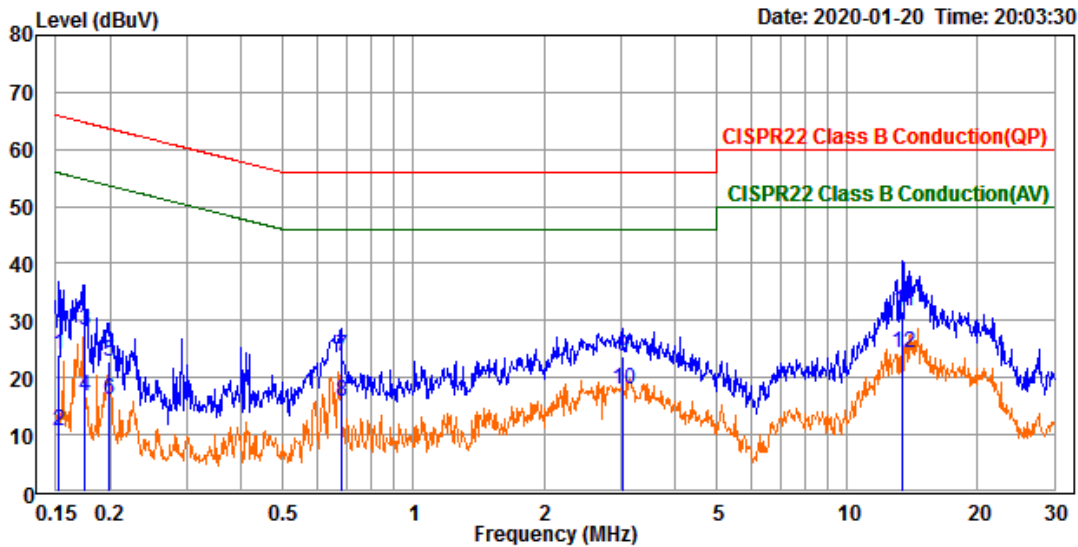


TUV Rheinland Taiwan Ltd.  
 11F., No. 758, Sec. 4 Bade Road. Songshan Dist, Taipei City 105  
 Tel:+886-2172-7000 Fax:+886-2528-0018



Trace: 1  
 Site : Conduction room  
 Condition : CISPR22 Class B Conduction(QP) line1  
 Test Engineer: Aslen Chiu  
 Product : Wireless combo module  
 Model No. : EYSNCN  
 Test Rating : 120Vac / 60Hz  
 Tmp/Hum : 24.5°C / 42%  
 Memo : Vdc 3V  
 : BT LE 125K

	Read Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.157	21.01	9.61	30.62	65.63	-35.01	QP
2	0.157	-0.35	9.61	9.26	55.63	-46.37	Average
3	0.172	13.06	9.61	22.67	64.88	-42.21	QP
4	0.172	4.90	9.61	14.51	54.88	-40.37	Average
5	0.683	7.73	9.62	17.35	56.00	-38.65	QP
6	0.683	2.28	9.62	11.90	46.00	-34.10	Average
7	3.553	13.32	9.67	22.99	56.00	-33.01	QP
8	3.553	6.64	9.67	16.31	46.00	-29.69	Average
9	13.380	21.12	9.75	30.87	60.00	-29.13	QP
10	13.380	13.50	9.75	23.25	50.00	-26.75	Average
11	18.591	16.43	9.79	26.22	60.00	-33.78	QP
12	18.591	10.61	9.79	20.40	50.00	-29.60	Average



Trace: 1  
 Site : Conduction room  
 Condition : CISPR22 Class B Conduction(QP) neutral  
 Test Engineer: Aslen Chiu  
 Product : Wireless combo module  
 Model No. : EYSNCN  
 Test Rating : 120Vac / 60Hz  
 Tmp/Hum : 24.5°C / 42%  
 Memo : Vdc 3V  
 : BT LE 125K

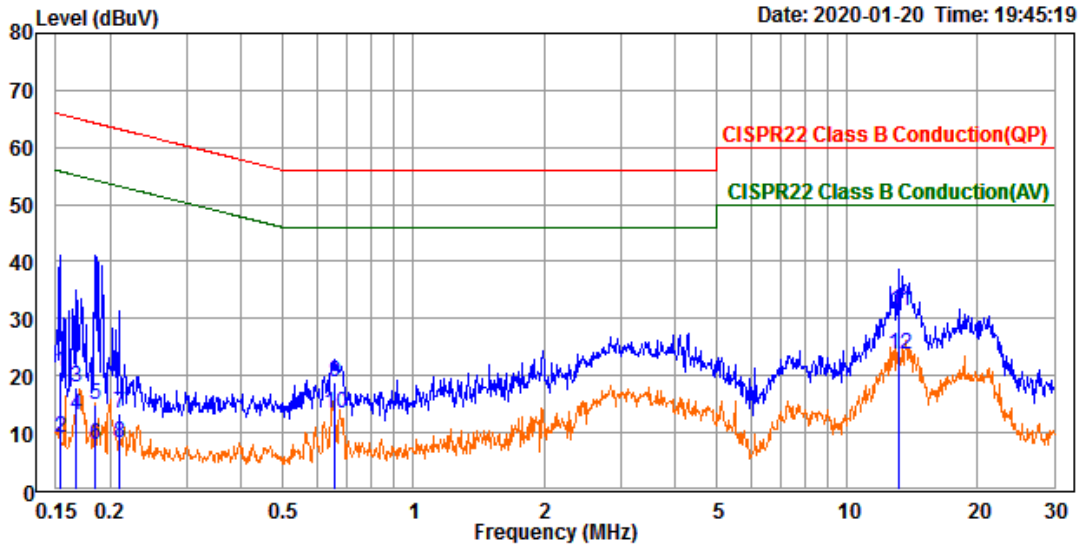
	Read Freq	Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.152	14.31	9.62	23.93	65.88	-41.95	QP
2	0.152	1.04	9.62	10.66	55.88	-45.22	Average
3	0.174	18.69	9.62	28.31	64.76	-36.45	QP
4	0.174	6.98	9.62	16.60	54.76	-38.16	Average
5	0.198	13.06	9.62	22.68	63.68	-41.00	QP
6	0.198	6.50	9.62	16.12	53.68	-37.56	Average
7	0.683	14.06	9.63	23.69	56.00	-32.31	QP
8	0.683	6.34	9.63	15.97	46.00	-30.03	Average
9	3.030	14.08	9.66	23.74	56.00	-32.26	QP
10	3.030	8.14	9.66	17.80	46.00	-28.20	Average
11	13.447	21.91	9.78	31.69	60.00	-28.31	QP
12	13.447	14.45	9.78	24.23	50.00	-25.77	Average



# Spurious Emissions, AC Mains (ANT 1M)



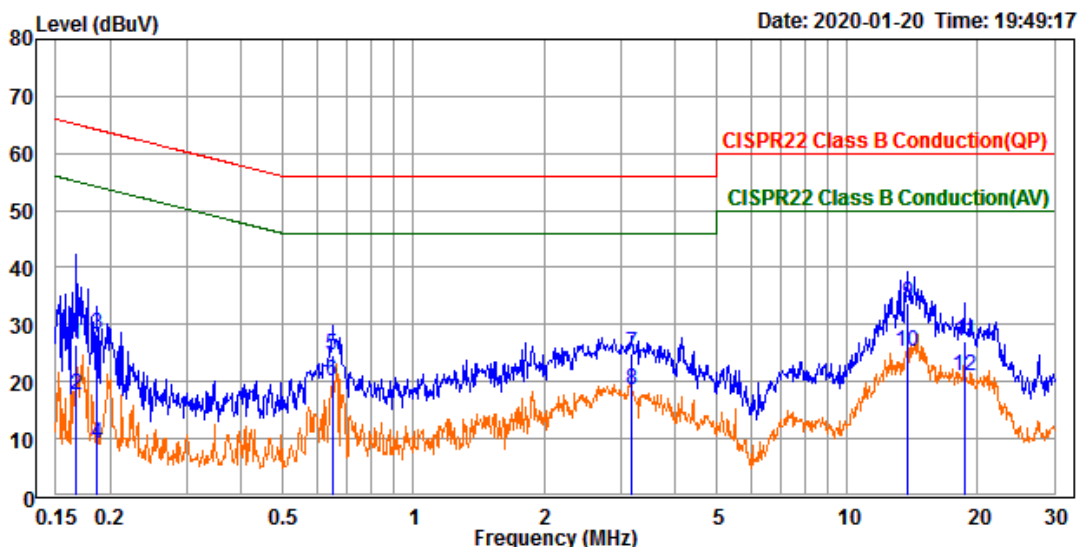
TUV Rheinland Taiwan Ltd.  
 11F., No. 758, Sec. 4 Bade Road. Songshan Dist, Taipei City 105  
 Tel:+886-2172-7000 Fax:+886-2528-0018



Trace: 1

Site : Conduction room  
 Condition : CISPR22 Class B Conduction(QP) line1  
 Test Engineer: Aslen Chiu  
 Product : Wireless combo module  
 Model No. : EYSNCN  
 Test Rating : 120Vac / 60Hz  
 Tmp/Hum : 24.5°C / 42%  
 Memo : Vdc 3V  
 : NRF 1M

	Read Freq	Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.153	11.18	9.61	20.79	65.83	-45.04	QP
2	0.153	-0.39	9.61	9.22	55.83	-46.61	Average
3	0.167	8.37	9.61	17.98	65.09	-47.11	QP
4	0.167	3.39	9.61	13.00	55.09	-42.09	Average
5	0.184	5.22	9.61	14.83	64.30	-49.47	QP
6	0.184	-1.61	9.61	8.00	54.30	-46.30	Average
7	0.209	3.68	9.61	13.29	63.23	-49.94	QP
8	0.209	-1.37	9.61	8.24	53.23	-44.99	Average
9	0.656	9.15	9.62	18.77	56.00	-37.23	QP
10	0.656	3.70	9.62	13.32	46.00	-32.68	Average
11	13.181	21.49	9.75	31.24	60.00	-28.76	QP
12	13.181	13.83	9.75	23.58	50.00	-26.42	Average



Trace: 1  
 Site : Conduction room  
 Condition : CISPR22 Class B Conduction(QP) neutral  
 Test Engineer: Aslen Chiu  
 Product : Wireless combo module  
 Model No. : EYSNCN  
 Test Rating : 120Vac / 60Hz  
 Tmp/Hum : 24.5°C / 42%  
 Memo : Vdc 3V  
 : NRF 1M

	Read Freq	Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.167	16.81	9.62	26.43	65.09	-38.66	QP
2	0.167	8.13	9.62	17.75	55.09	-37.34	Average
3	0.186	18.63	9.62	28.25	64.22	-35.97	QP
4	0.186	-0.64	9.62	8.98	54.22	-45.24	Average
5	0.649	15.11	9.63	24.74	56.00	-31.26	QP
6	0.649	10.48	9.63	20.11	46.00	-25.89	Average
7	3.169	15.24	9.66	24.90	56.00	-31.10	QP
8	3.169	9.02	9.66	18.68	46.00	-27.32	Average
9	13.717	24.06	9.78	33.84	60.00	-26.16	QP
10	13.717	15.42	9.78	25.20	50.00	-24.80	Average
11	18.591	17.18	9.82	27.00	60.00	-33.00	QP
12	18.591	11.17	9.82	20.99	50.00	-29.01	Average