

Test Report No.50339907 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50339907AppendixD)

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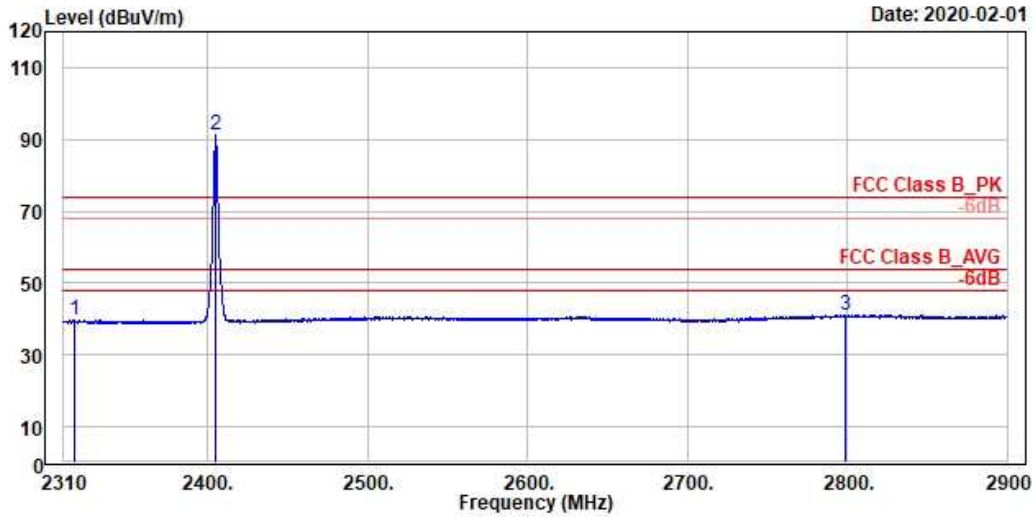
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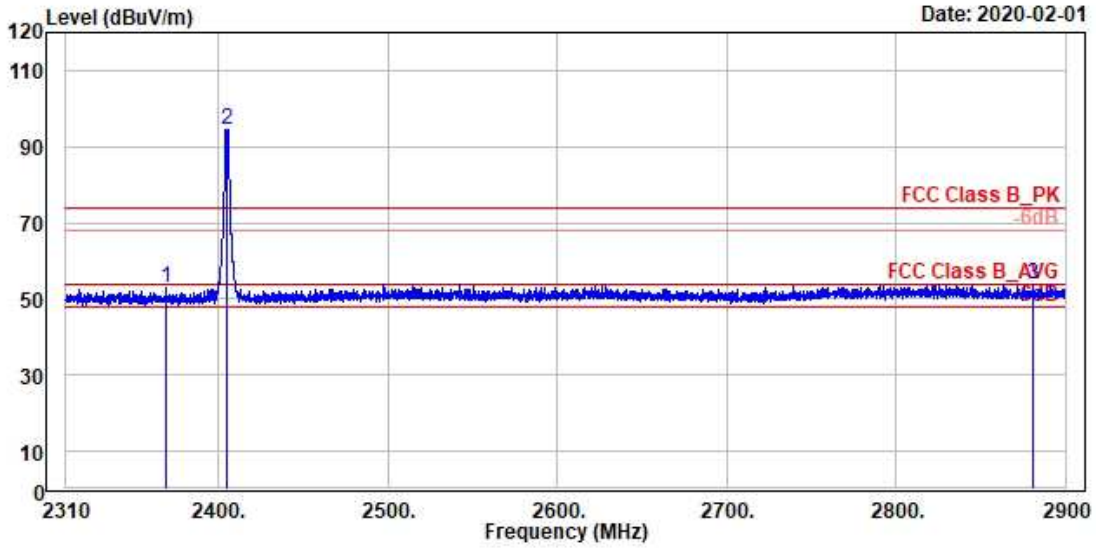
2405MHz_Horizontal



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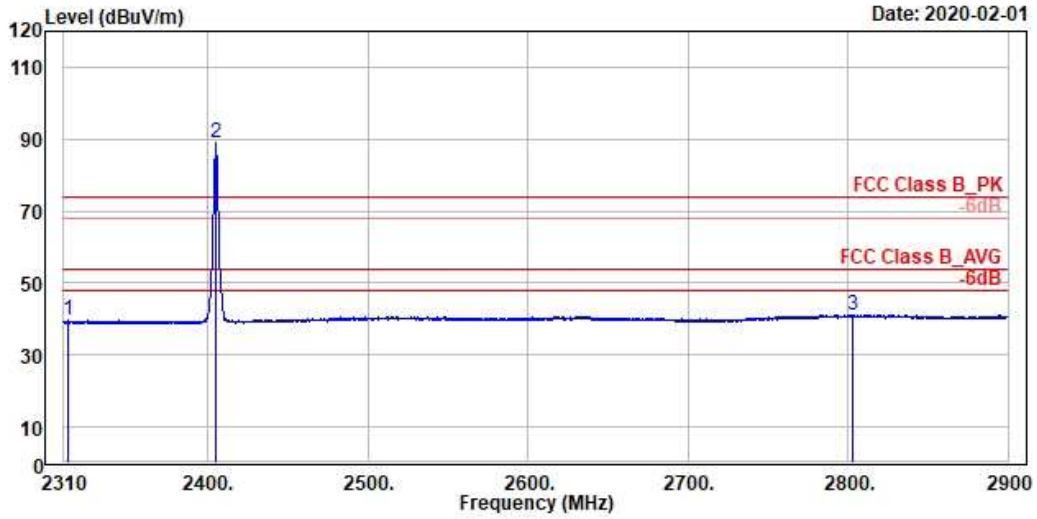
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2 *	2405.000	91.30	54.14	37.16	54.00	37.30	101	189	Average	Horizontal
3	2798.520	41.20	3.08	38.12	54.00	-12.80	101	189	Average	Horizontal



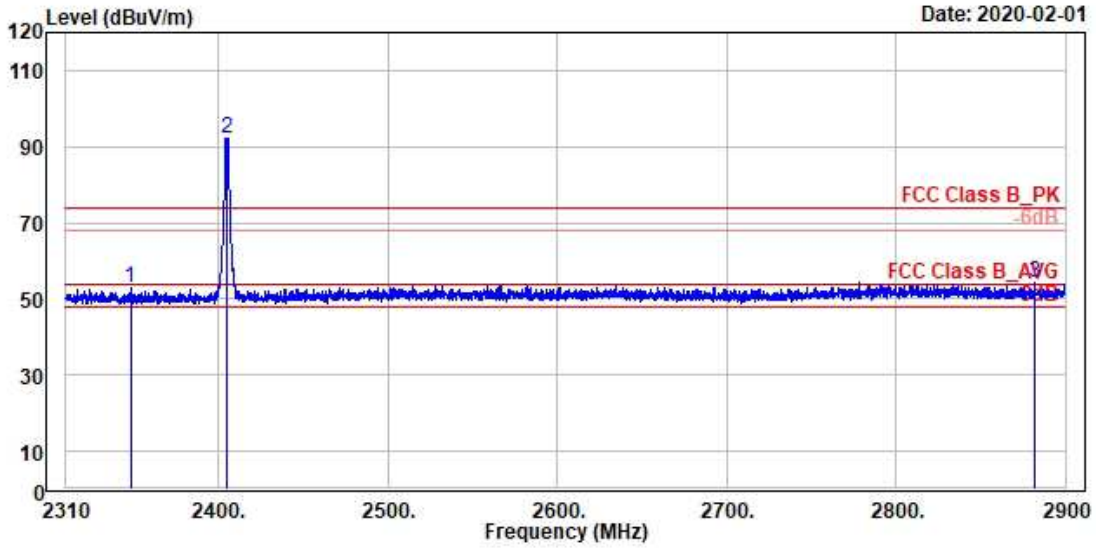
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1	2368.882	52.90	15.74	37.16	74.00	-21.10	101	189	Peak	Horizontal
2	* 2405.000	94.56	57.40	37.16	74.00	20.56	101	189	Peak	Horizontal
3	2880.766	53.85	15.79	38.06	74.00	-20.15	101	189	Peak	Horizontal



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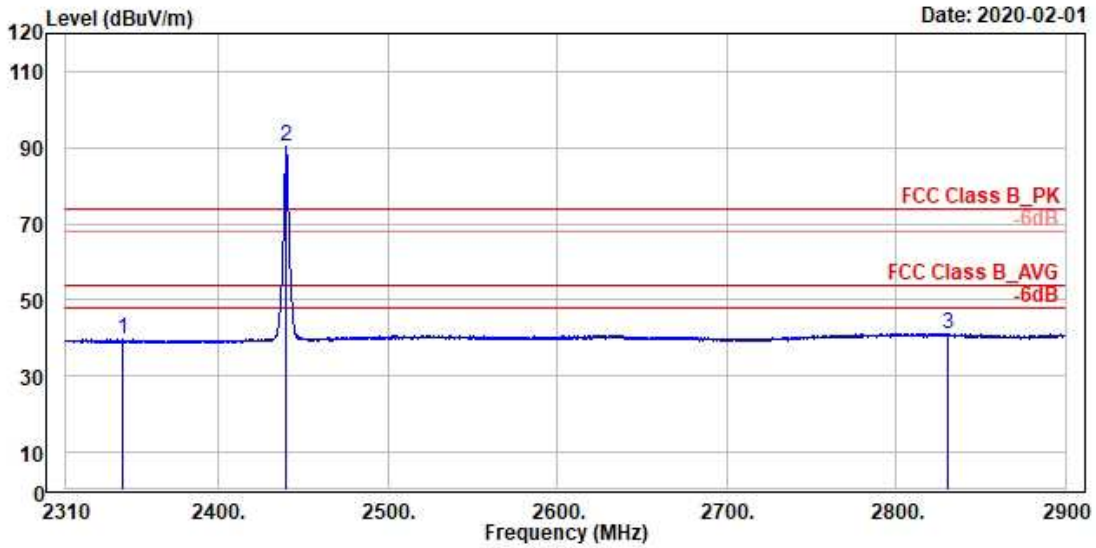
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1	2312.478	39.58	2.45	37.13	54.00	-14.42	274	247	Average	Vertical
2 *	2405.000	88.88	51.72	37.16	54.00	34.88	274	247	Average	Vertical
3	2802.886	41.12	3.00	38.12	54.00	-12.88	274	247	Average	Vertical



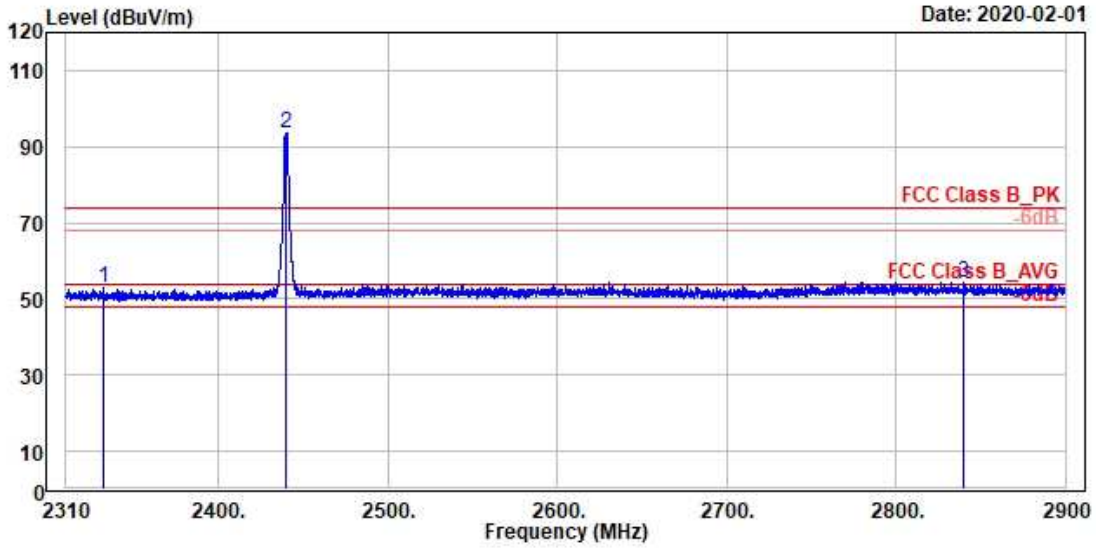
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1	2347.996	52.82	15.65	37.17	74.00	-21.18	274	247	Peak	Vertical
2	* 2405.000	92.09	54.93	37.16	74.00	18.09	274	247	Peak	Vertical
3	2881.710	54.10	16.03	38.07	74.00	-19.90	274	247	Peak	Vertical



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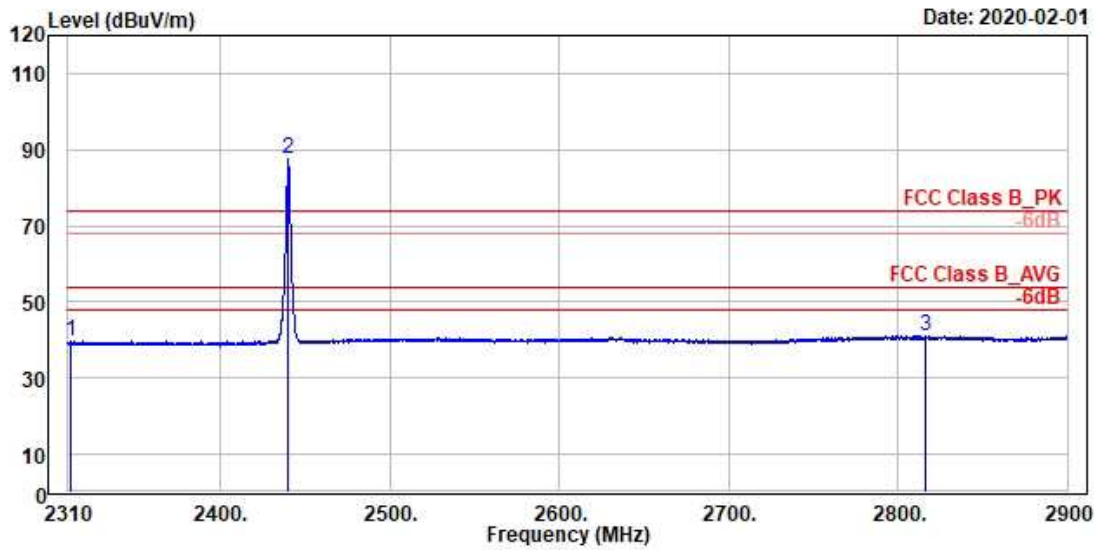
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1	2343.748	39.60	2.43	37.17	54.00	-14.40	100	191	Average	Horizontal
2 *	2440.000	90.48	53.13	37.35	54.00	36.48	100	191	Average	Horizontal
3	2831.206	41.19	3.09	38.10	54.00	-12.81	100	191	Average	Horizontal



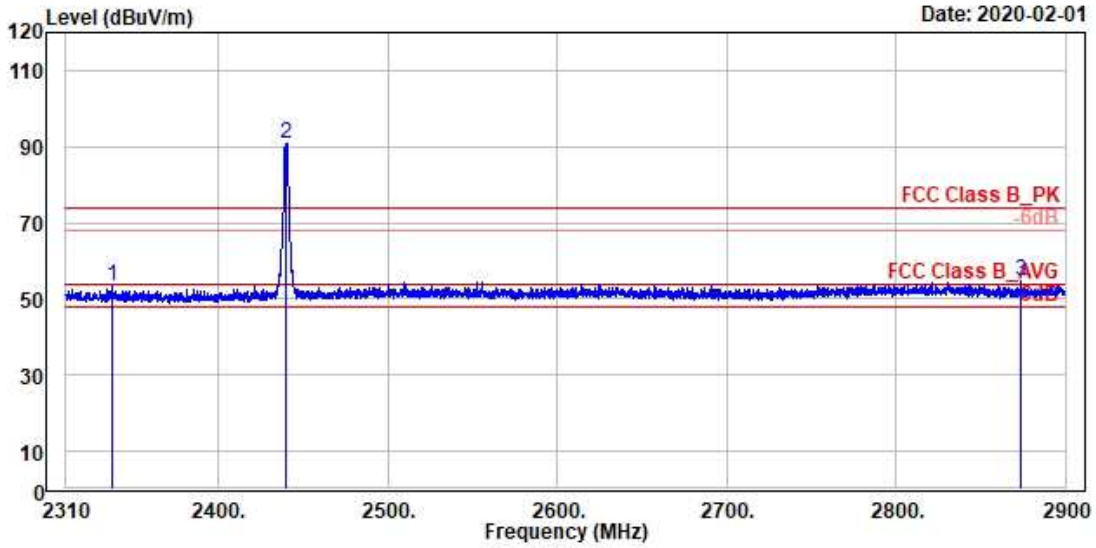
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1	2332.066	52.81	15.66	37.15	74.00	-21.19	100	191	Peak	Horizontal
2	* 2440.000	93.76	56.41	37.35	74.00	19.76	100	191	Peak	Horizontal
3	2839.584	54.36	16.27	38.09	74.00	-19.64	100	191	Peak	Horizontal



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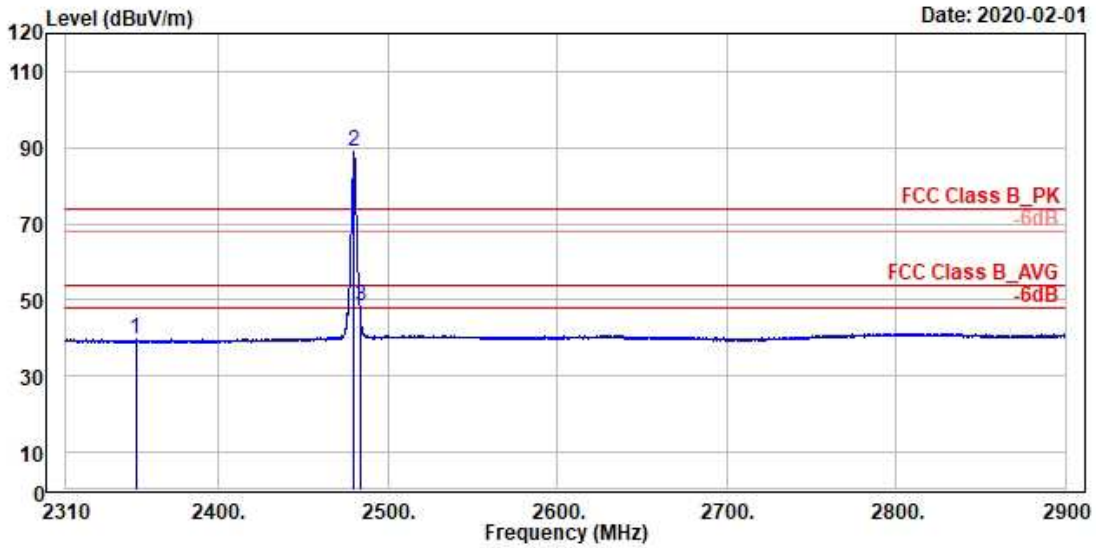
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1	2311.652	39.55	2.42	37.13	54.00	-14.45	271	248	Average	Vertical
2 *	2439.918	87.52	50.17	37.35	54.00	33.52	271	248	Average	Vertical
3	2816.220	41.11	2.99	38.12	54.00	-12.89	271	248	Average	Vertical



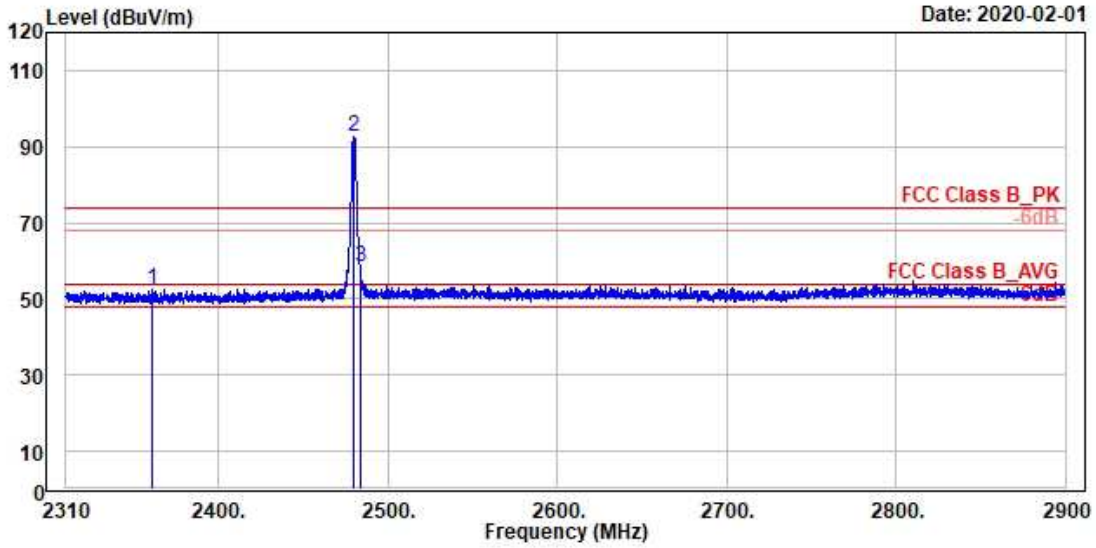
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2337.612	53.24	16.08	37.16	74.00	-20.76	271	248	Peak	Vertical
2	* 2440.000	90.89	53.54	37.35	74.00	16.89	271	248	Peak	Vertical
3	2874.158	54.65	16.58	38.07	74.00	-19.35	271	248	Peak	Vertical



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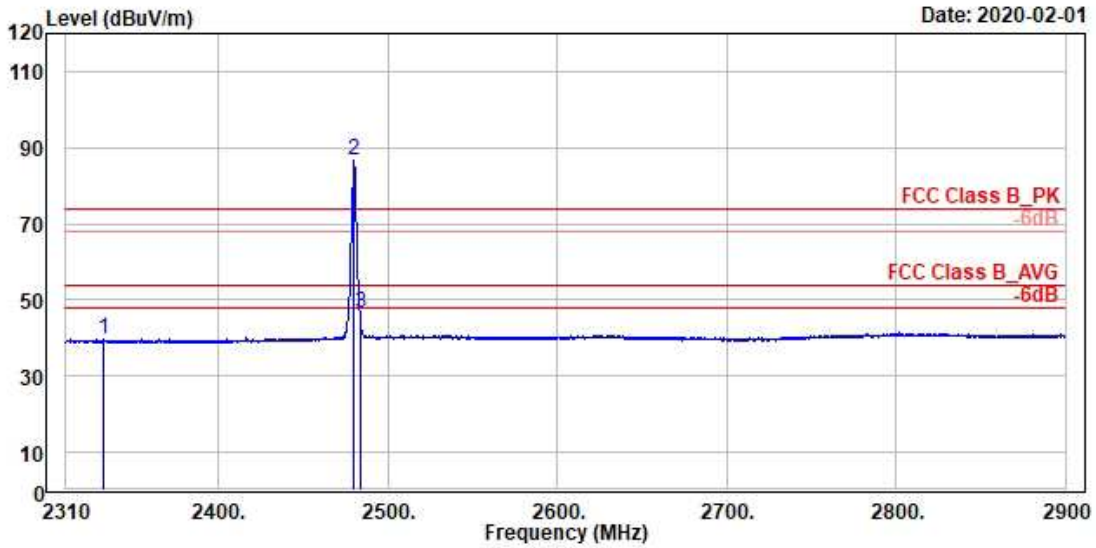
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1	2351.064	39.76	2.58	37.18	54.00	-14.24	111	192	Average	Horizontal
2 *	2480.000	89.13	51.57	37.56	54.00	35.13	111	192	Average	Horizontal
3 !	2483.500	48.17	10.60	37.57	54.00	-5.83	111	192	Average	Horizontal



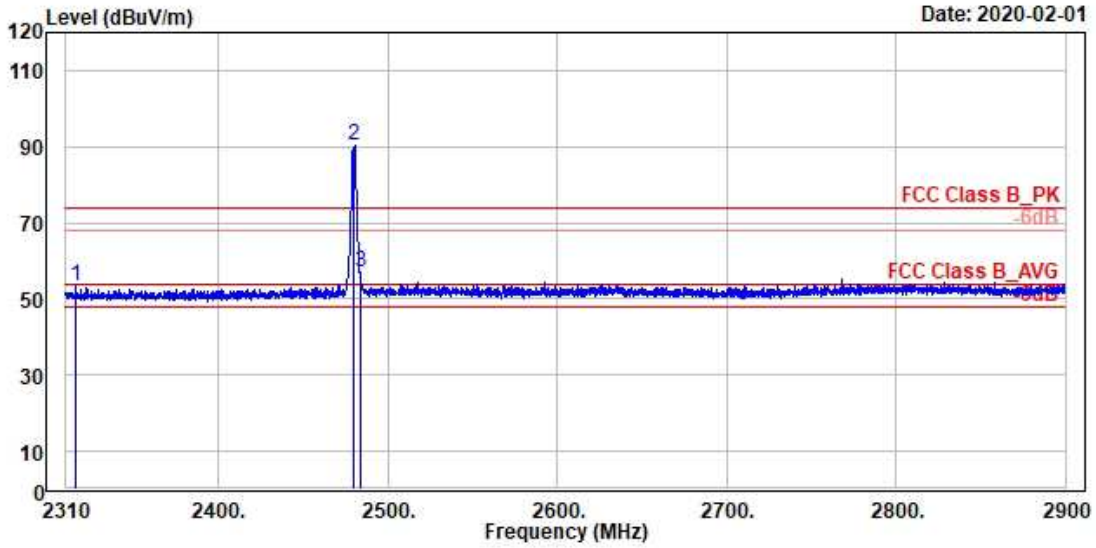
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1	2360.858	52.50	15.33	37.17	74.00	-21.50	111	192	Peak	Horizontal
2 *	2480.000	92.43	54.87	37.56	74.00	18.43	111	192	Peak	Horizontal
3	2483.500	58.54	20.97	37.57	74.00	-15.46	111	192	Peak	Horizontal



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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	2331.948	39.58	2.43	37.15	54.00	-14.42	400	324	Average	Vertical
2 *	2480.000	86.78	49.22	37.56	54.00	32.78	400	324	Average	Vertical
3	2483.500	46.67	9.10	37.57	54.00	-7.33	400	324	Average	Vertical



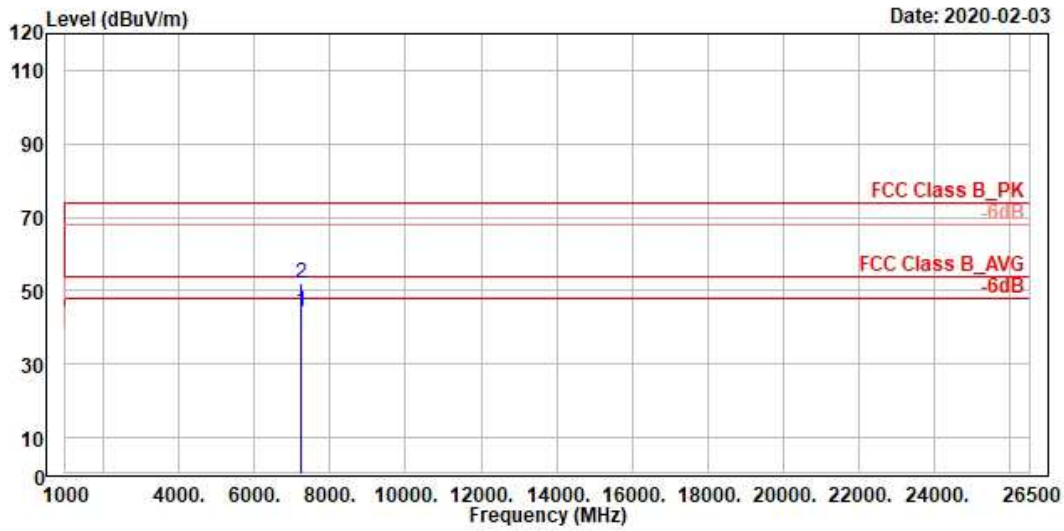
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1	2315.428	53.25	16.12	37.13	74.00	-20.75	400	324	Peak	Vertical
2 *	2480.000	90.16	52.60	37.56	74.00	16.16	400	324	Peak	Vertical
3	2483.500	57.17	19.60	37.57	74.00	-16.83	400	324	Peak	Vertical

Spurious Emissions, TX Mode, 1-26.5G(802.15.4)

2405MHz

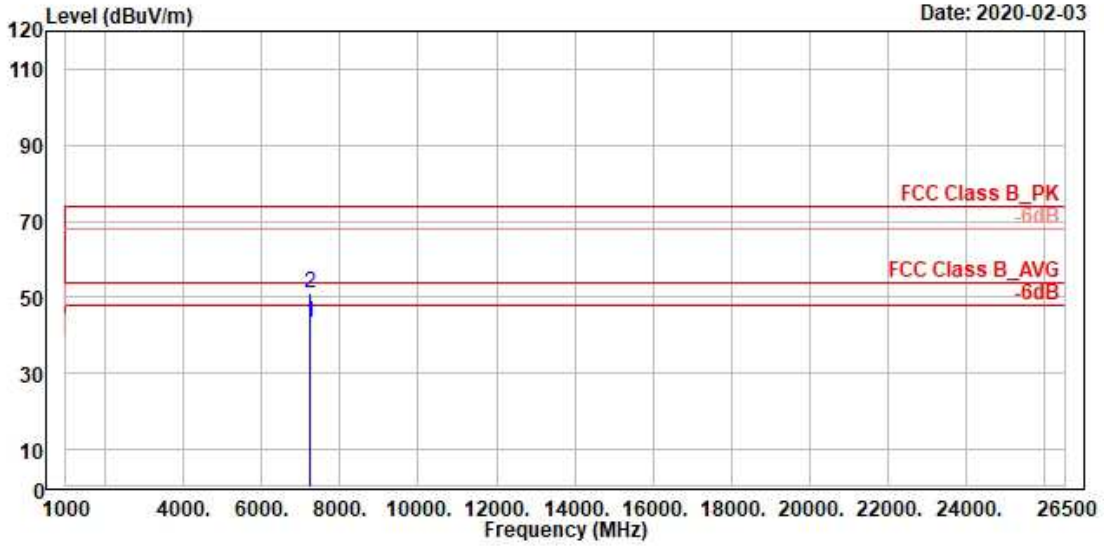


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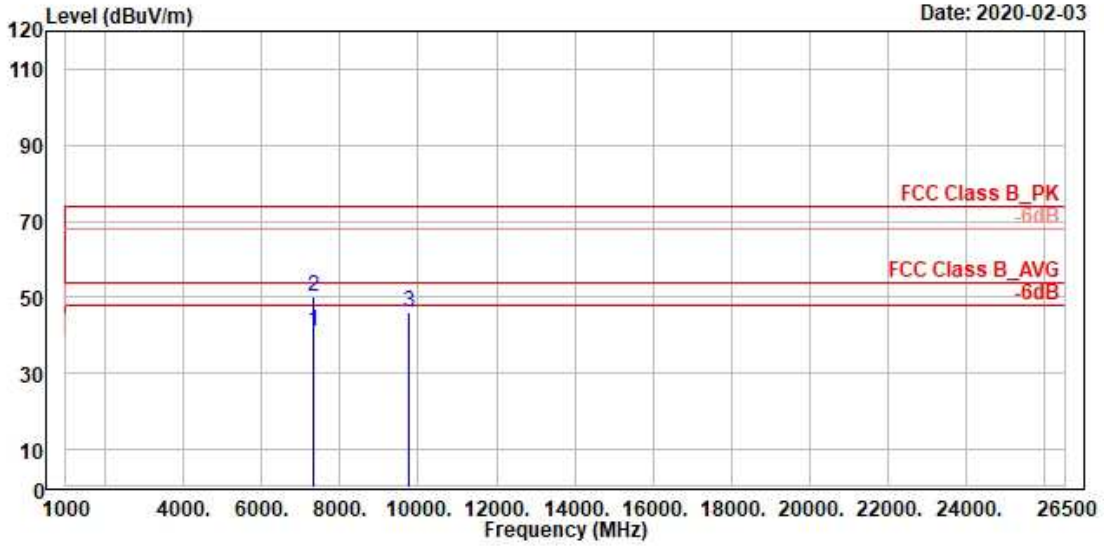
Date: 2020-02-03

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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7215.000	44.28	51.08	-6.80	54.00	-9.72	335	360	Average	horizontal
2	7215.000	51.90	58.70	-6.80	74.00	-22.10	335	360	Peak	horizontal

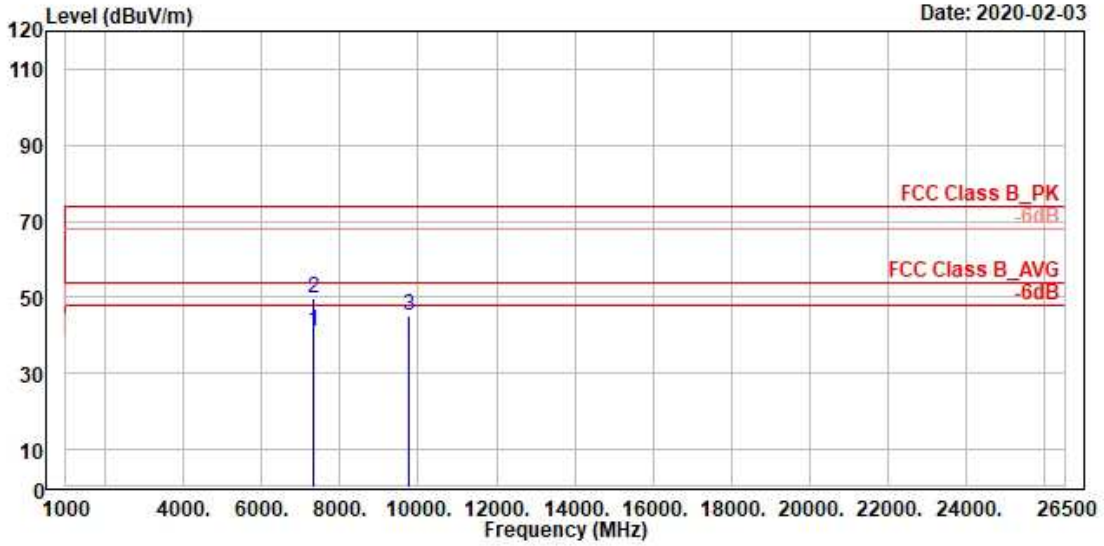


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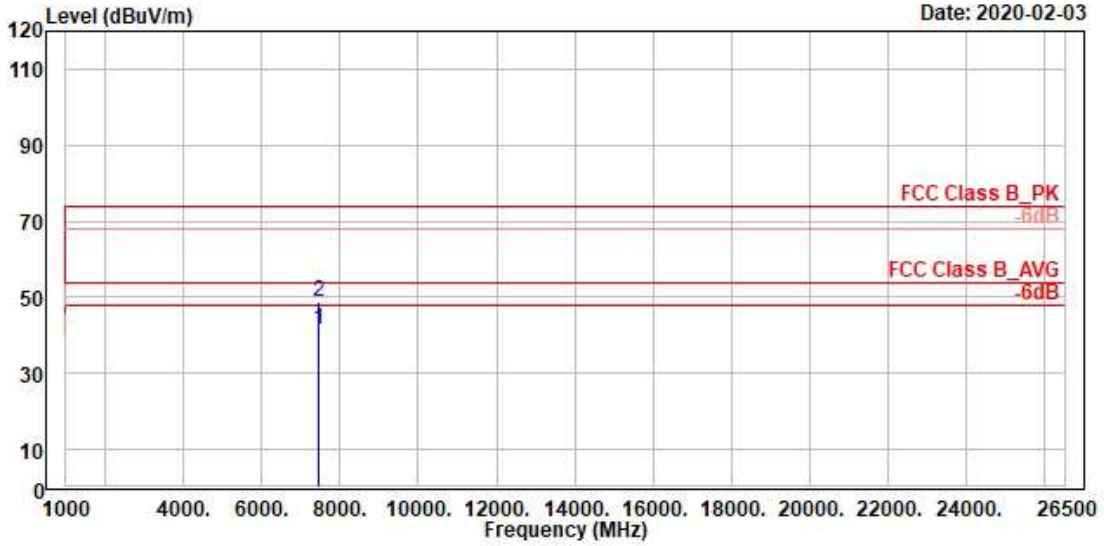
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7215.000	43.32	50.12	-6.80	54.00	-10.68	300	324	Average	vertical
2	7215.000	50.98	57.78	-6.80	74.00	-23.02	300	324	Peak	vertical



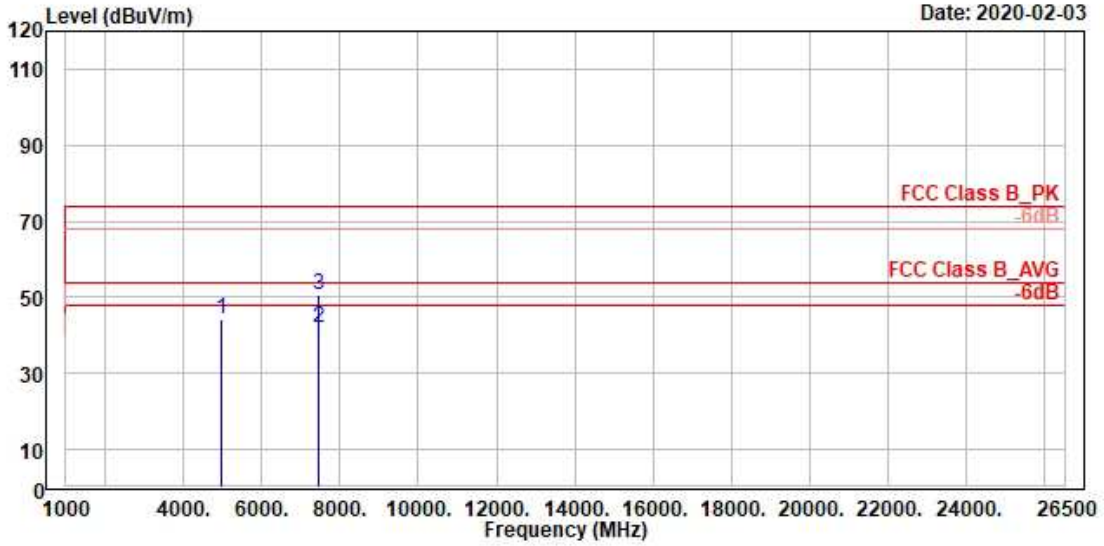
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7320.000	40.99	47.69	-6.70	54.00	-13.01	100	322	Average	horizontal
2	7320.000	50.07	56.77	-6.70	74.00	-23.93	100	322	Peak	horizontal
3	9760.000	46.08	49.95	-3.87	74.00	-27.92	100	74	Peak	horizontal



	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	7320.000	41.12	47.82	-6.70	54.00	-12.88	100	76	Average	vertical
2	7320.000	49.61	56.31	-6.70	74.00	-24.39	100	76	Peak	vertical
3	9760.000	45.05	48.92	-3.87	74.00	-28.95	300	187	Peak	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	7440.000	41.41	48.11	-6.70	54.00	-12.59	100	246	Average	horizontal
2	7440.000	49.02	55.72	-6.70	74.00	-24.98	100	246	Peak	horizontal

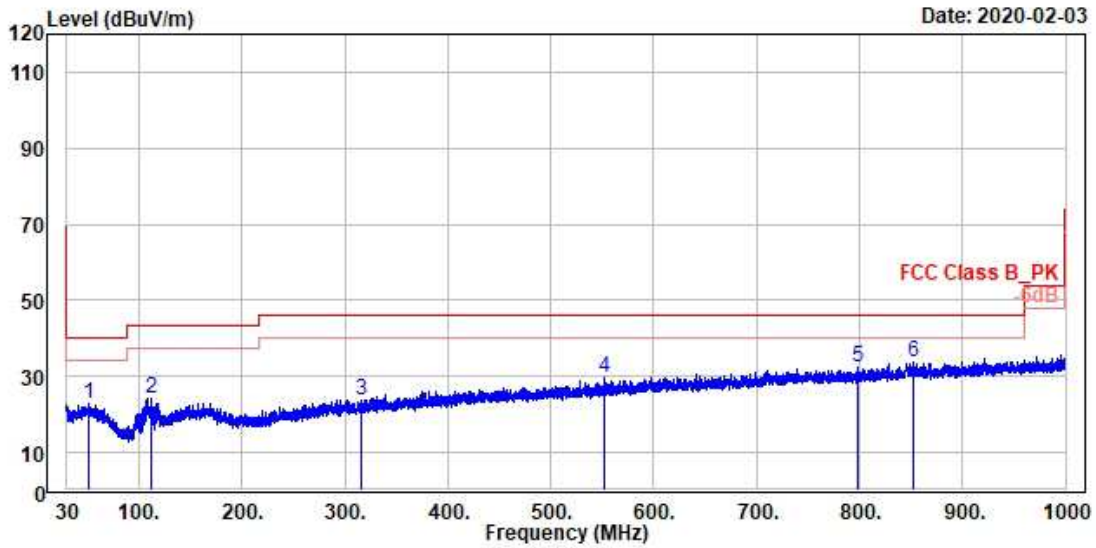


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	44.17	53.30	-9.13	74.00	-29.83	400	132	Peak	vertical
2	7440.000	41.99	48.69	-6.70	54.00	-12.01	400	166	Average	vertical
3	7440.000	50.79	57.49	-6.70	74.00	-23.21	400	166	Peak	vertical

Spurious Emissions, TX Mode, 30M-1G(802.15.4)

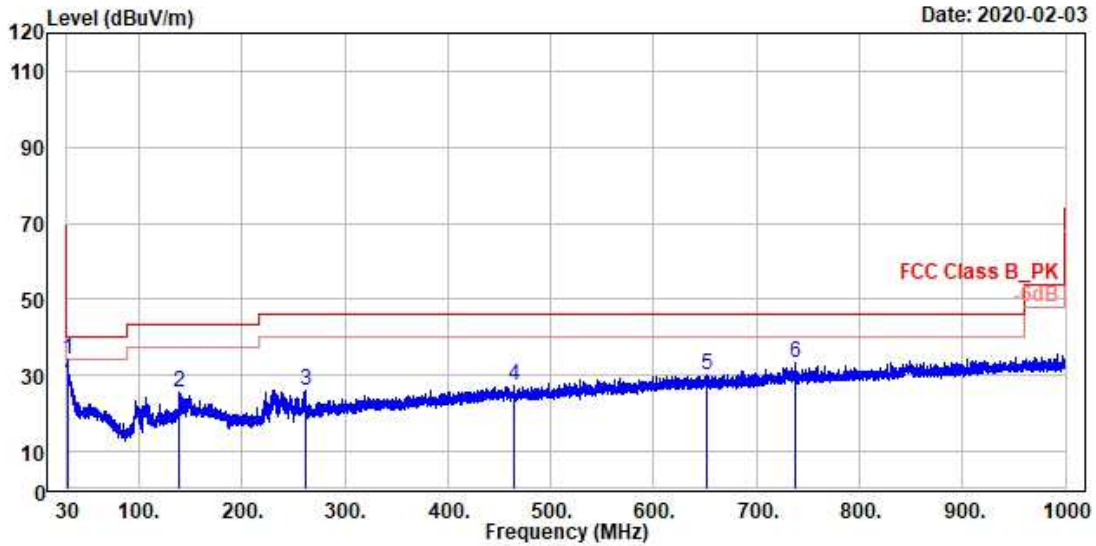


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Date: 2020-02-03

	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	51.437	22.85	28.87	-6.02	40.00	-17.15	370	360	QP	horizontal
2	111.092	24.35	33.81	-9.46	43.50	-19.15	300	2	QP	horizontal
3	316.635	23.93	28.41	-4.48	46.00	-22.07	200	207	QP	horizontal
4	552.539	29.59	30.48	-0.89	46.00	-16.41	178	360	QP	horizontal
5	799.210	32.31	29.48	2.83	46.00	-13.69	300	169	QP	horizontal
6	851.687	33.95	30.46	3.49	46.00	-12.05	300	21	QP	horizontal

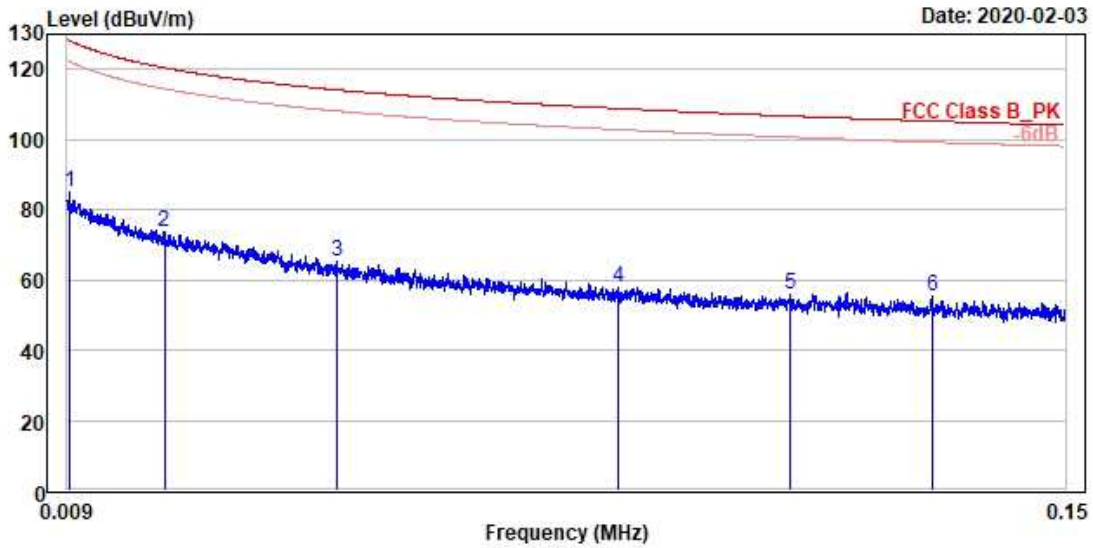


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 !	30.776	34.11	41.93	-7.82	40.00	-5.89	100	70	QP	vertical
2	139.513	25.71	32.39	-6.68	43.50	-17.79	100	208	QP	vertical
3	262.509	26.13	32.41	-6.28	46.00	-19.87	100	246	QP	vertical
4	464.560	27.38	29.58	-2.20	46.00	-18.62	400	151	QP	vertical
5	652.352	30.07	29.38	0.69	46.00	-15.93	300	270	QP	vertical
6	737.712	33.11	31.01	2.10	46.00	-12.89	120	360	QP	vertical

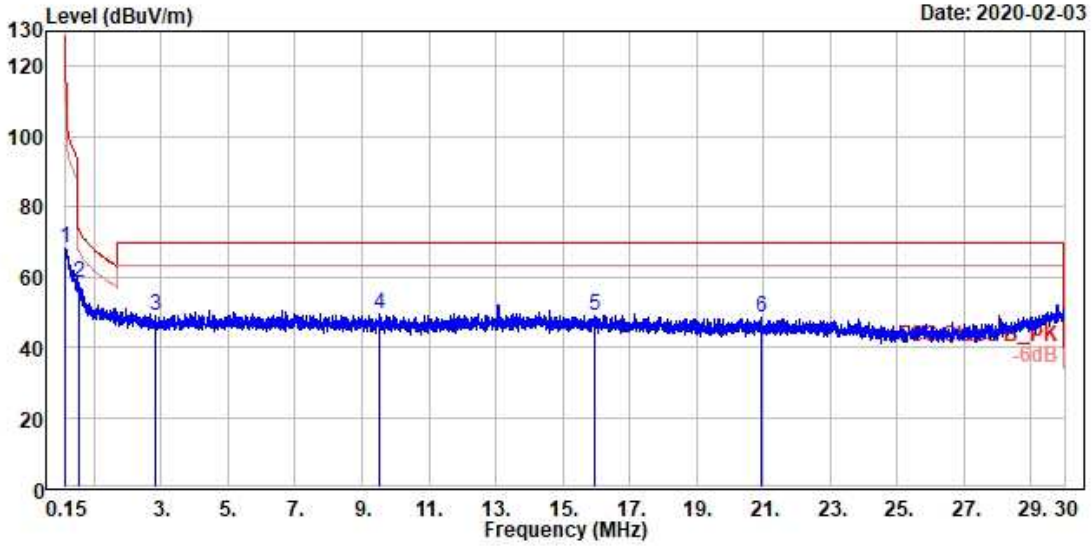
Spurious Emissions, TX Mode, 9k-30M(802.15.4)



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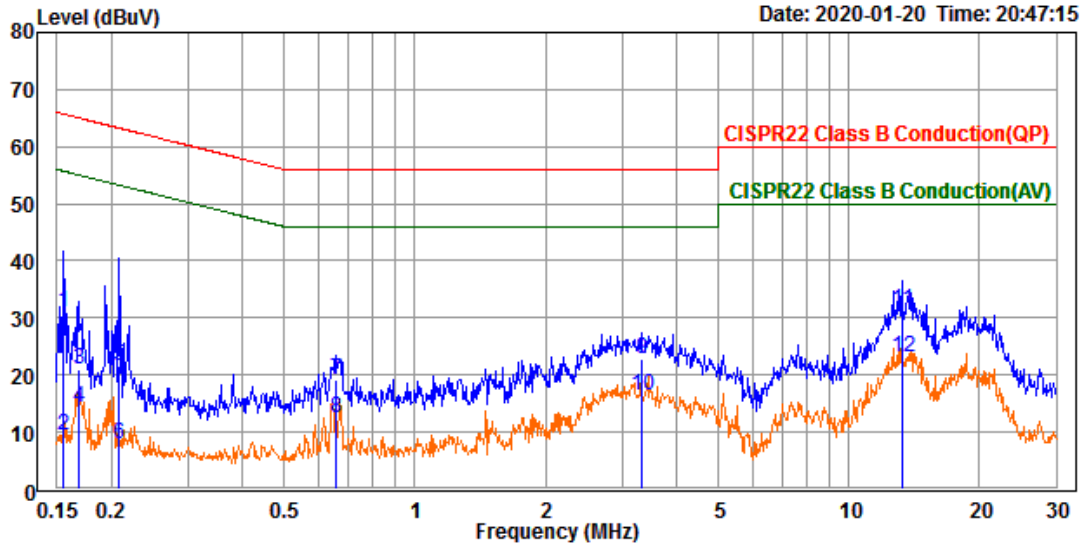


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.009	84.81	5.26	79.55	128.17	-43.36	100	90	QP	vertical
2	0.023	73.61	1.56	72.05	120.46	-46.85	100	209	QP	vertical
3	0.047	65.17	-0.62	65.79	114.14	-48.97	100	2	QP	vertical
4	0.087	57.98	-2.72	60.70	108.82	-50.84	100	56	QP	vertical
5	0.111	55.74	-2.86	58.60	106.67	-50.93	100	252	QP	vertical
6	0.131	55.37	-2.07	57.44	105.24	-49.87	100	269	QP	vertical



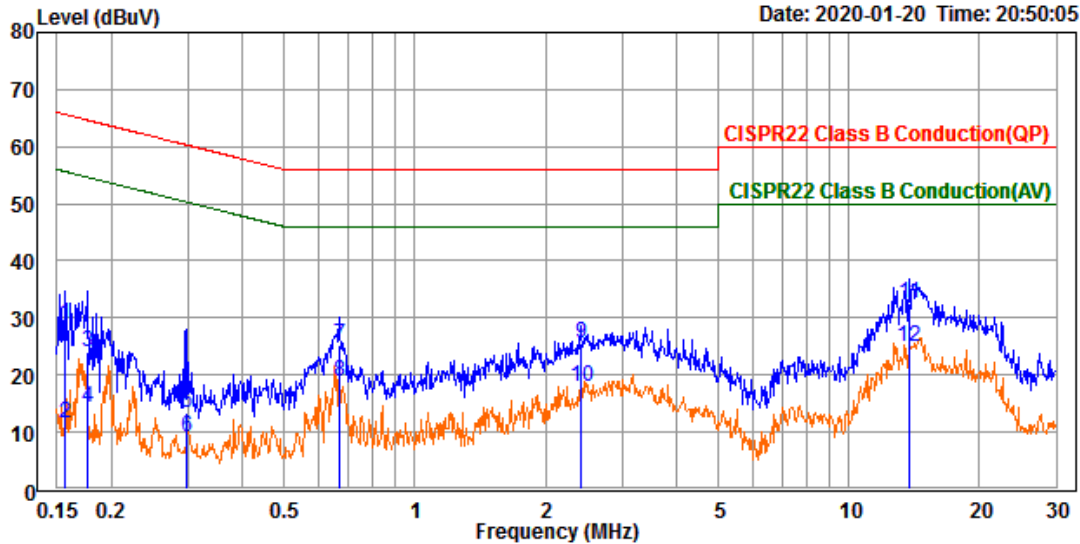
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.150	68.26	11.91	56.35	104.08	-35.82	100	212	QP	vertical
2	0.544	58.28	12.22	46.06	72.89	-14.61	100	92	QP	vertical
3	2.810	49.04	10.73	38.31	69.50	-20.46	100	277	QP	vertical
4	9.523	49.27	11.58	37.69	69.50	-20.23	100	131	QP	vertical
5	15.944	48.81	11.27	37.54	69.50	-20.69	100	212	QP	vertical
6	20.949	48.25	12.18	36.07	69.50	-21.25	100	287	QP	vertical

Mains Spurious Emissions



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

	Read Freq	Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.155	21.53	9.61	31.14	65.71	-34.57	QP
2	0.155	-0.16	9.61	9.45	55.71	-46.26	Average
3	0.168	11.44	9.61	21.05	65.05	-44.00	QP
4	0.168	4.66	9.61	14.27	55.05	-40.78	Average
5	0.207	11.94	9.61	21.55	63.31	-41.76	QP
6	0.207	-1.71	9.61	7.90	53.31	-45.41	Average
7	0.656	9.53	9.62	19.15	56.00	-36.85	QP
8	0.656	2.90	9.62	12.52	46.00	-33.48	Average
9	3.330	13.29	9.65	22.94	56.00	-33.06	QP
10	3.330	6.89	9.65	16.54	46.00	-29.46	Average
11	13.247	21.52	9.75	31.27	60.00	-28.73	QP
12	13.247	13.35	9.75	23.10	50.00	-26.90	Average



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

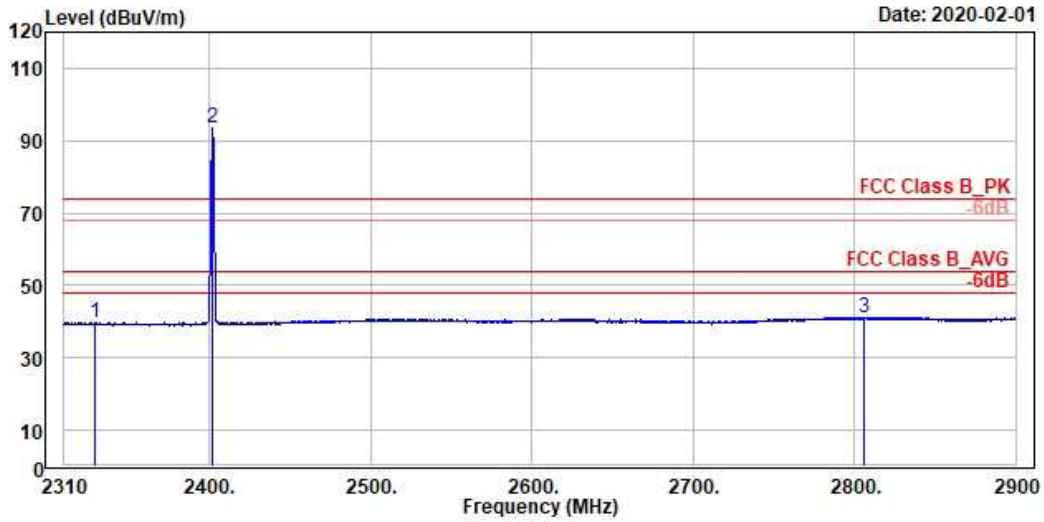
	Read Freq	Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.157	19.38	9.62	29.00	65.63	-36.63	QP
2	0.157	1.95	9.62	11.57	55.63	-44.06	Average
3	0.176	14.41	9.62	24.03	64.68	-40.65	QP
4	0.176	4.66	9.62	14.28	54.68	-40.40	Average
5	0.298	3.63	9.62	13.25	60.29	-47.04	QP
6	0.298	-0.64	9.62	8.98	50.29	-41.31	Average
7	0.669	15.76	9.63	25.39	56.00	-30.61	QP
8	0.669	9.08	9.63	18.71	46.00	-27.29	Average
9	2.409	15.94	9.66	25.60	56.00	-30.40	QP
10	2.409	8.43	9.66	18.09	46.00	-27.91	Average
11	13.717	22.79	9.78	32.57	60.00	-27.43	QP
12	13.717	15.12	9.78	24.90	50.00	-25.10	Average

Spurious Emissions, Band Edges, 2.35-2.5G(BLE 1M)

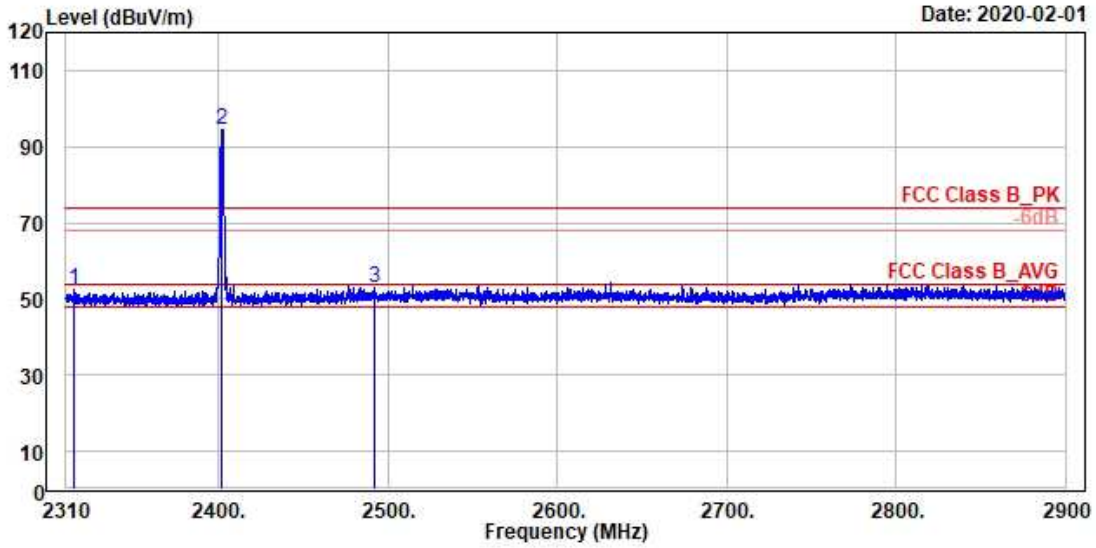
2402MHz Horizontal



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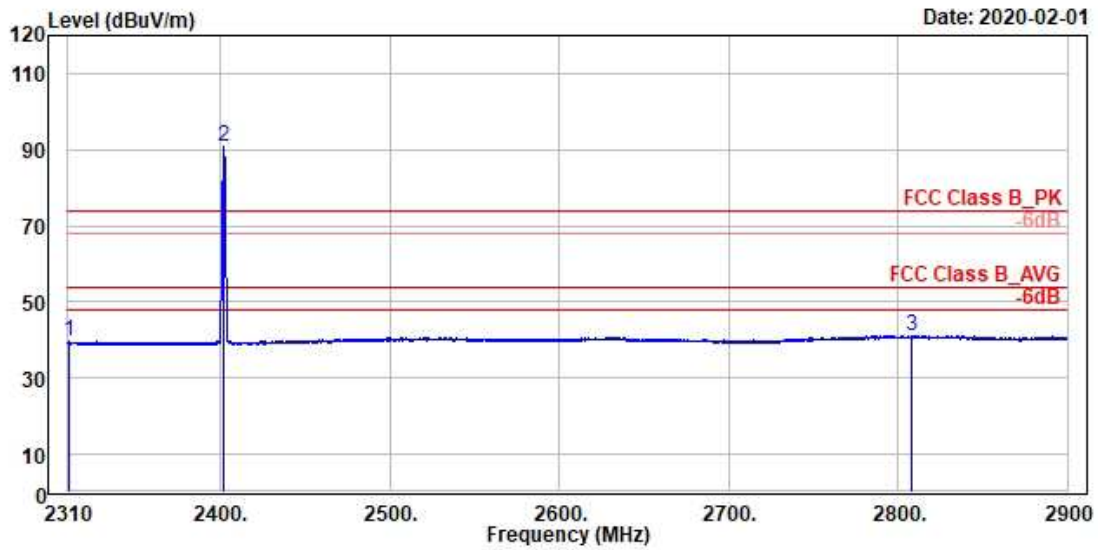
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	MHz	dBuV/m	Level	Factor	Line	Limit	cm	deg	
1	2328.762	39.80	2.65	37.15	54.00	-14.20	100	191 Average	Horizontal
2 *	2402.000	93.53	56.38	37.15	54.00	39.53	100	191 Average	Horizontal
3	2805.836	41.17	3.05	38.12	54.00	-12.83	100	191 Average	Horizontal



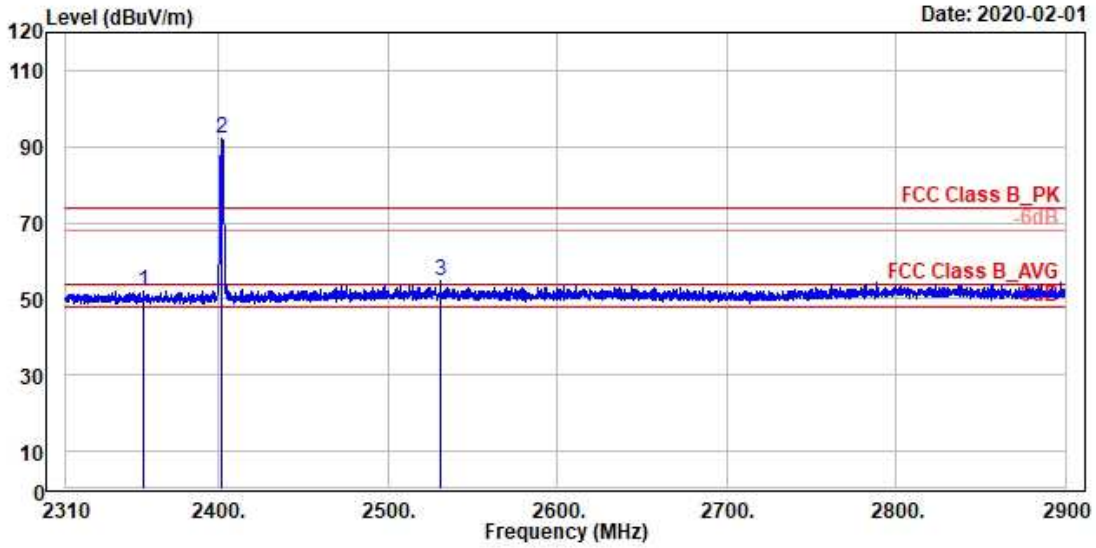
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2314.720	52.46	15.33	37.13	74.00	-21.54	100	191	Peak	Horizontal
2	* 2402.000	94.49	57.34	37.15	74.00	20.49	100	191	Peak	Horizontal
3	2491.956	52.74	15.12	37.62	74.00	-21.26	100	191	Peak	Horizontal



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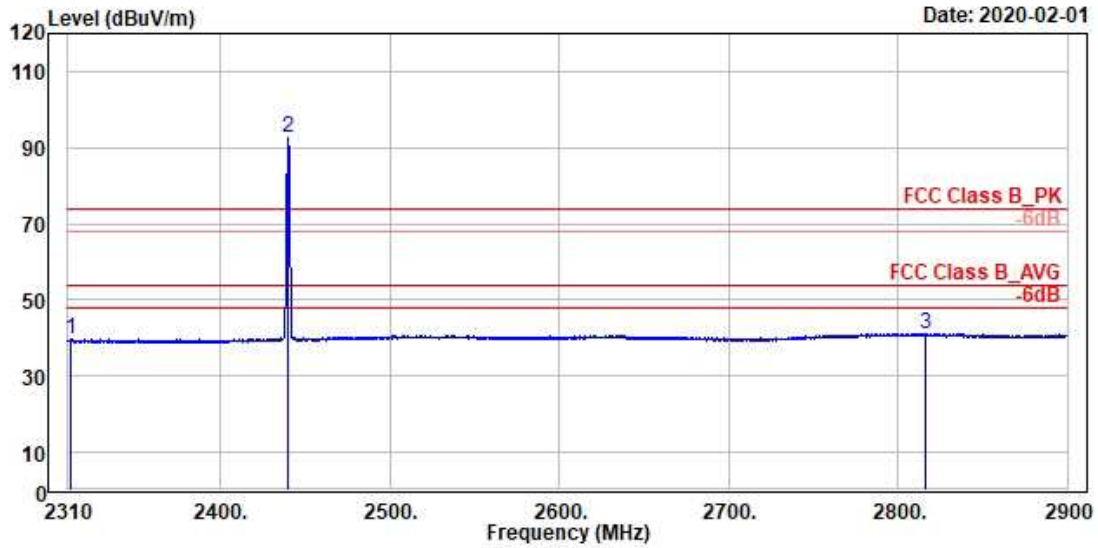
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2310.826	39.66	2.53	37.13	54.00	-14.34	274	247	Average	Vertical
2 *	2402.000	90.97	53.82	37.15	54.00	36.97	274	247	Average	Vertical
3	2808.550	41.21	3.09	38.12	54.00	-12.79	274	247	Average	Vertical



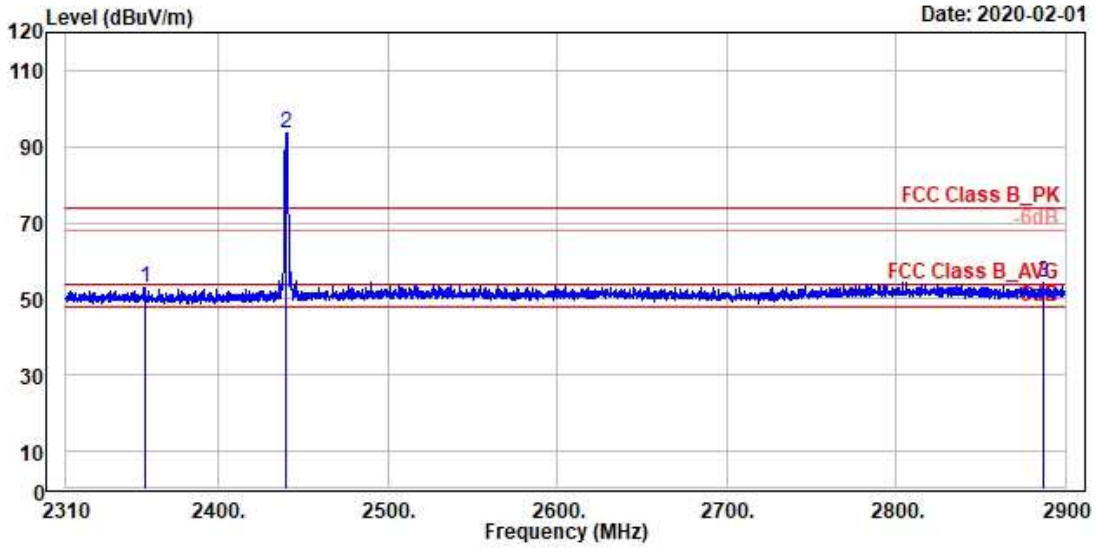
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2355.666	52.09	14.92	37.17	74.00	-21.91	274	247	Peak	Vertical
2 *	2402.000	91.97	54.82	37.15	74.00	17.97	274	247	Peak	Vertical
3	2530.778	54.63	16.81	37.82	74.00	-19.37	274	247	Peak	Vertical



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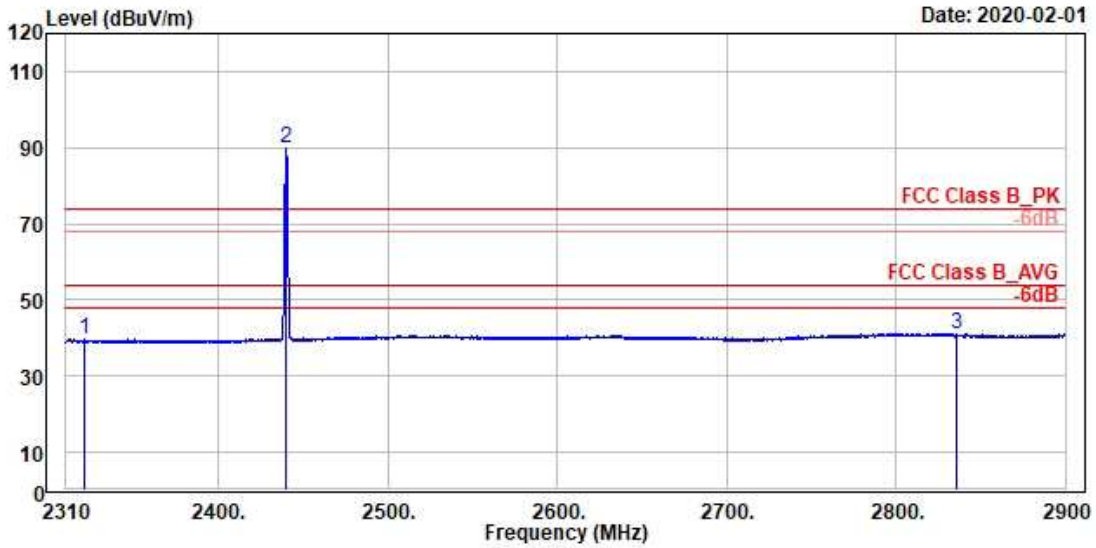
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1	2311.298	39.69	2.56	37.13	54.00	-14.31	100	191	Average	Horizontal
2 *	2440.000	92.75	55.40	37.35	54.00	38.75	100	191	Average	Horizontal
3	2816.338	41.23	3.11	38.12	54.00	-12.77	100	191	Average	Horizontal



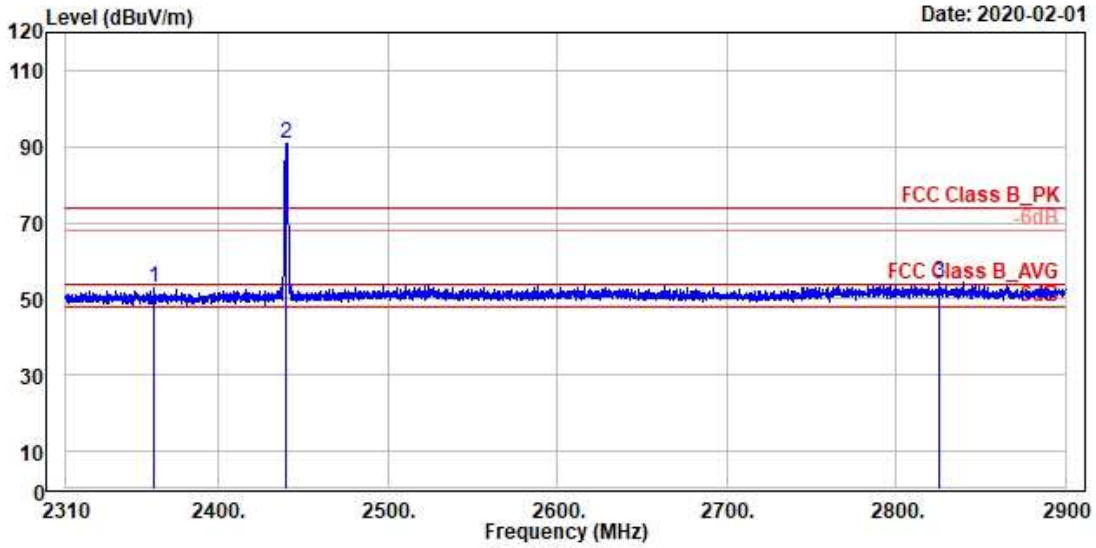
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	MHz	dBuV/m	Level	Line	Limit	cm	deg		
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1	2356.374	53.12	15.95	37.17	74.00	-20.88	100	191 Peak	Horizontal
2 *	2440.000	93.76	56.41	37.35	74.00	19.76	100	191 Peak	Horizontal
3	2887.256	54.29	16.23	38.06	74.00	-19.71	100	191 Peak	Horizontal



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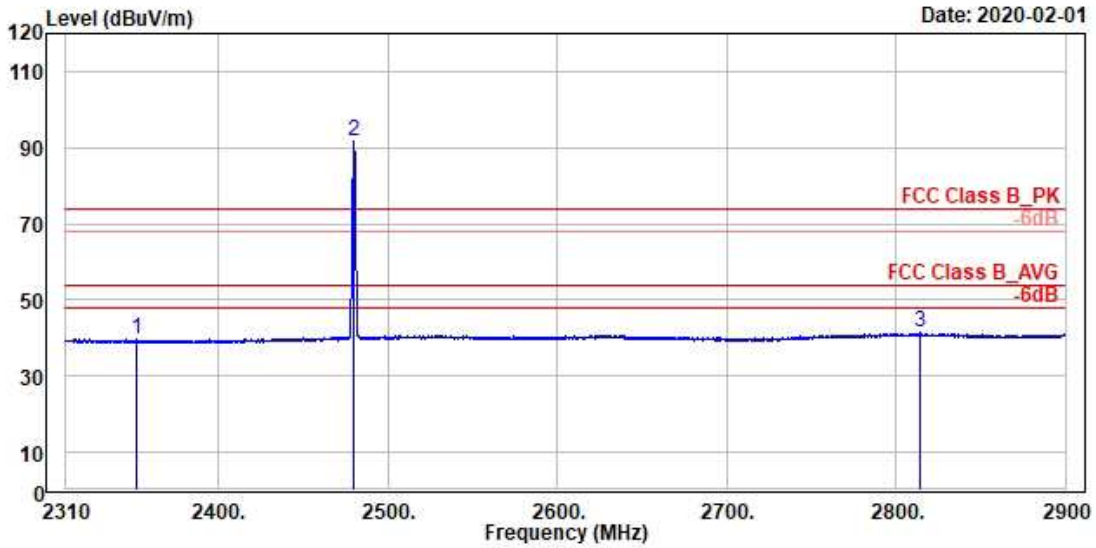
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2320.974	39.81	2.67	37.14	54.00	-14.19	271	248	Average	Vertical
2 *	2440.000	89.96	52.61	37.35	54.00	35.96	271	248	Average	Vertical
3	2835.926	41.12	3.02	38.10	54.00	-12.88	271	248	Average	Vertical



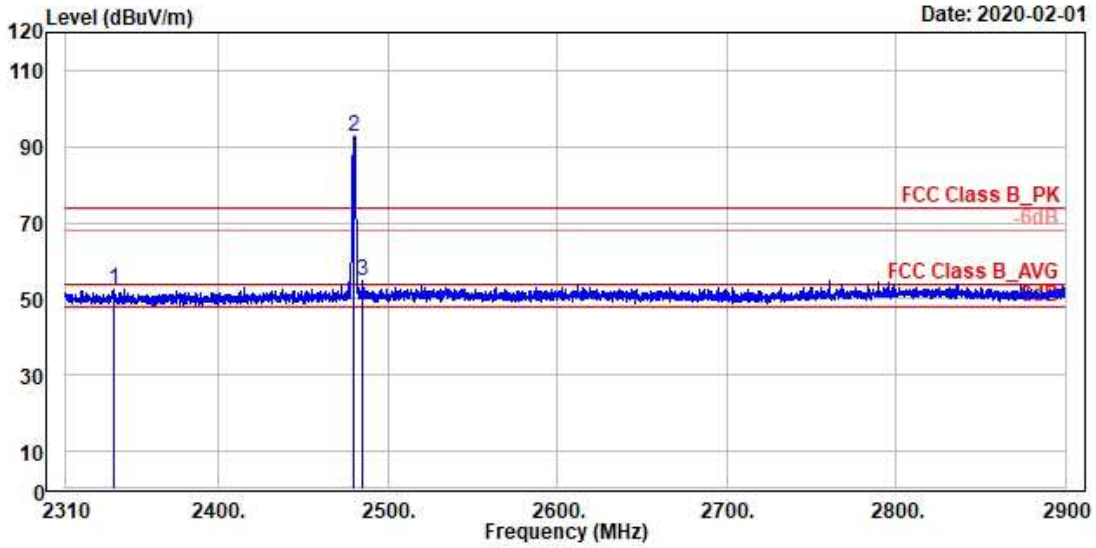
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
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1	2362.274	52.86	15.69	37.17	74.00	-21.14	271	248	Peak	Vertical
2	* 2440.000	90.98	53.63	37.35	74.00	16.98	271	248	Peak	Vertical
3	2825.896	54.40	16.29	38.11	74.00	-19.60	271	248	Peak	Vertical



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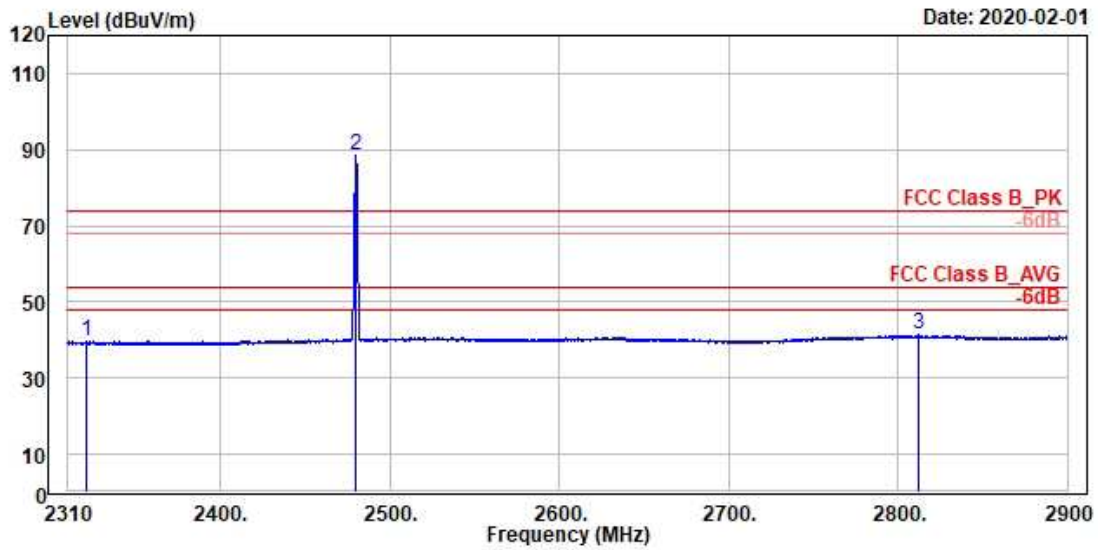
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2351.890	39.74	2.56	37.18	54.00	-14.26	111	192	Average	Horizontal
2 *	2480.000	91.50	53.94	37.56	54.00	37.50	111	192	Average	Horizontal
3	2814.804	41.35	3.24	38.11	54.00	-12.65	111	192	Average	Horizontal



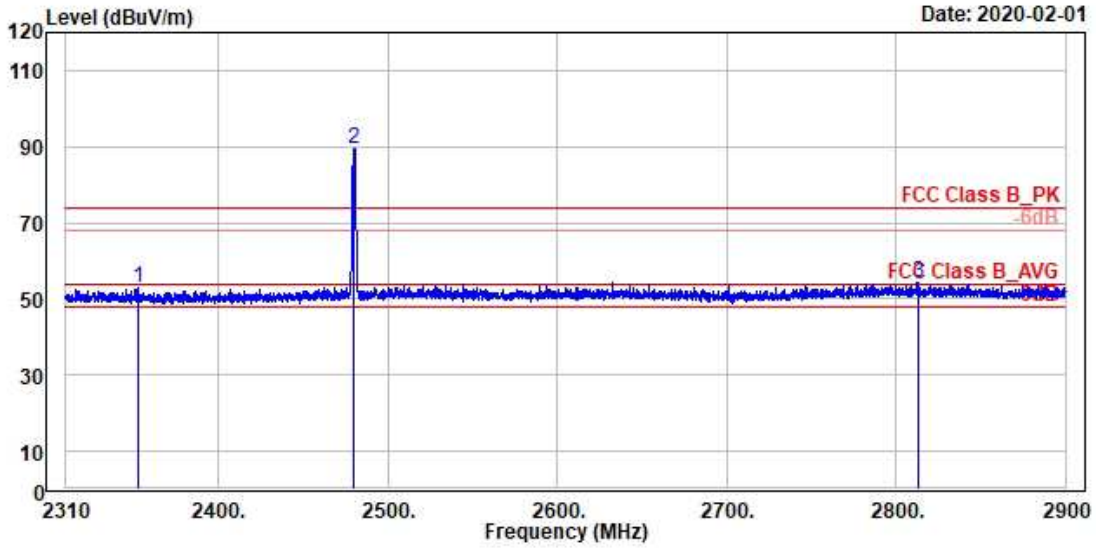
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2338.674	52.38	15.22	37.16	74.00	-21.62	111	192	Peak	Horizontal
2	* 2480.000	92.49	54.93	37.56	74.00	18.49	111	192	Peak	Horizontal
3	2484.994	54.65	17.07	37.58	74.00	-19.35	111	192	Peak	Horizontal



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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	2320.502	39.56	2.42	37.14	54.00	-14.44	400	324	Average	Vertical
2 *	2480.000	88.53	50.97	37.56	54.00	34.53	400	324	Average	Vertical
3	2811.854	41.31	3.19	38.12	54.00	-12.69	400	324	Average	Vertical



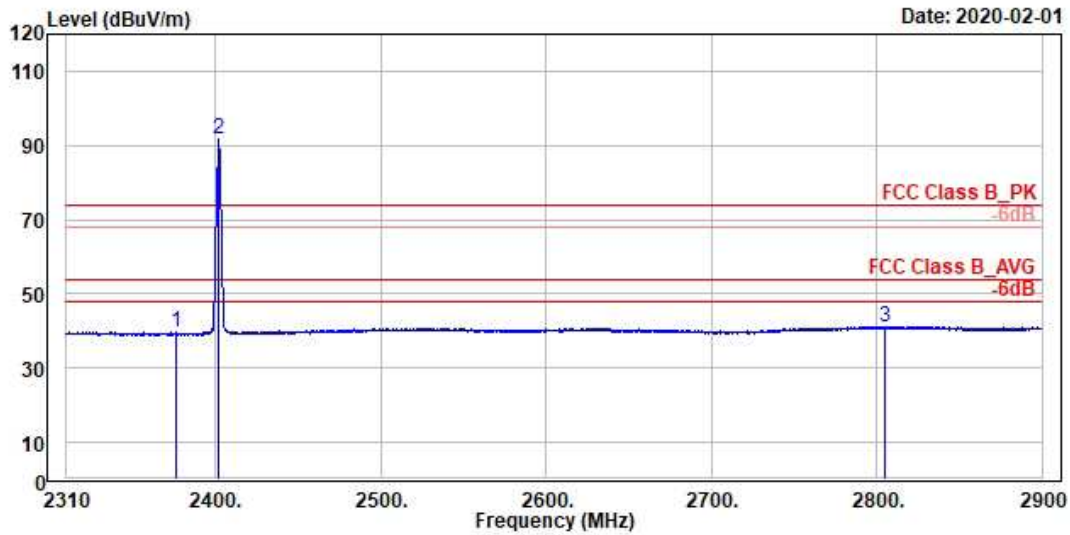
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1	2352.952	52.75	15.58	37.17	74.00	-21.25	400	324	Peak	Vertical
2 *	2480.000	89.58	52.02	37.56	74.00	15.58	400	324	Peak	Vertical
3	2813.624	54.49	16.38	38.11	74.00	-19.51	400	324	Peak	Vertical

Spurious Emissions, Band Edges, 2.35-2.5G(BLE 2M)

2402MHz Horizontal

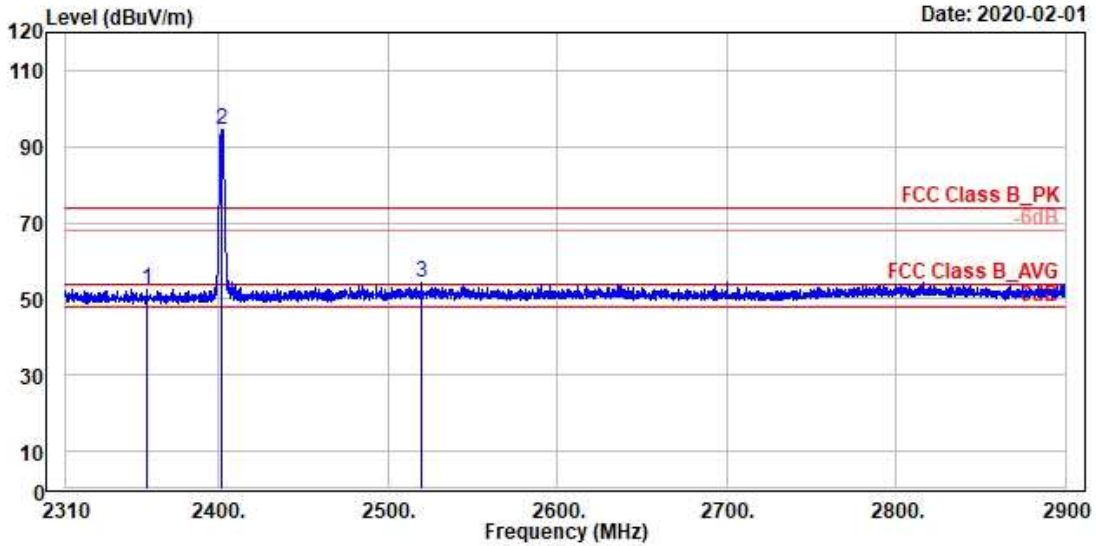


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Date: 2020-02-01

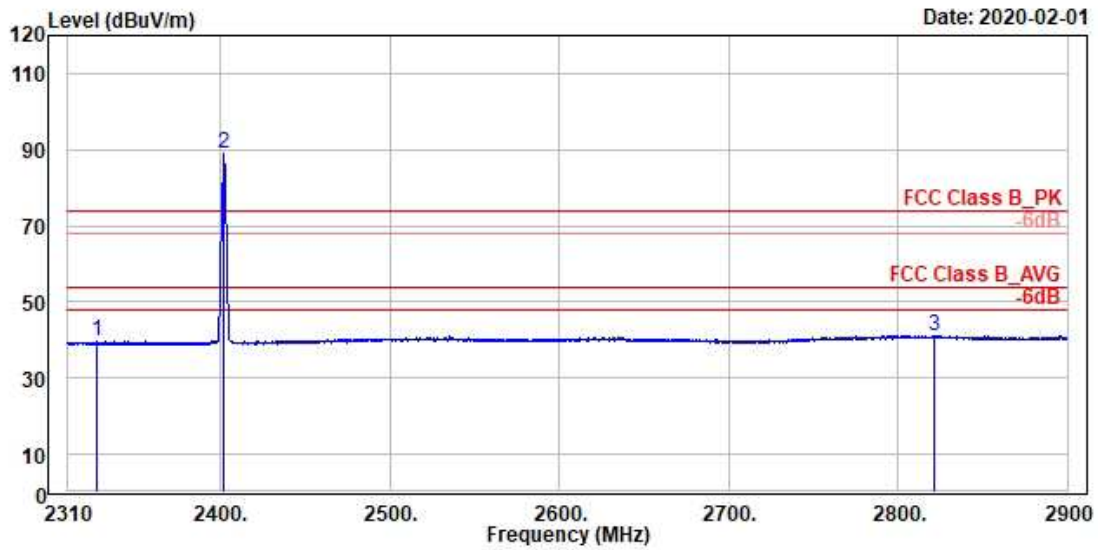
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1	2376.080	39.70	2.54	37.16	54.00	-14.30	100	191	Average	Horizontal
2 *	2402.000	91.64	54.49	37.15	54.00	37.64	100	191	Average	Horizontal
3	2804.774	41.26	3.14	38.12	54.00	-12.74	100	191	Average	Horizontal



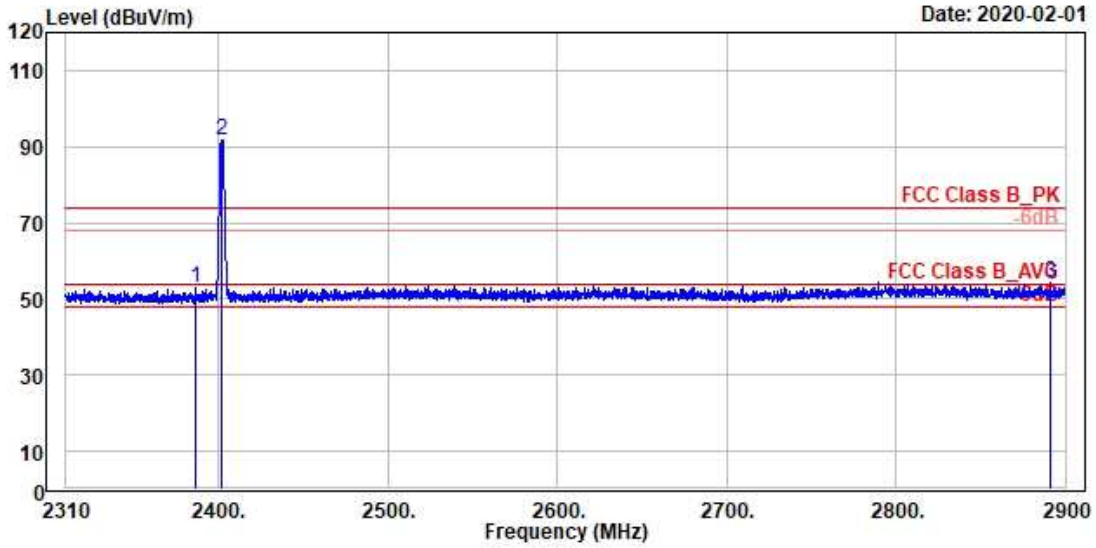
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1	2357.790	52.40	15.24	37.16	74.00	-21.60	100	191	Peak	Horizontal
2	* 2402.000	94.38	57.23	37.15	74.00	20.38	100	191	Peak	Horizontal
3	2520.158	54.45	16.69	37.76	74.00	-19.55	100	191	Peak	Horizontal



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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	2326.874	39.52	2.37	37.15	54.00	-14.48	274	247	Average	Vertical
2 *	2402.000	89.08	51.93	37.15	54.00	35.08	274	247	Average	Vertical
3	2821.530	41.09	2.98	38.11	54.00	-12.91	274	247	Average	Vertical

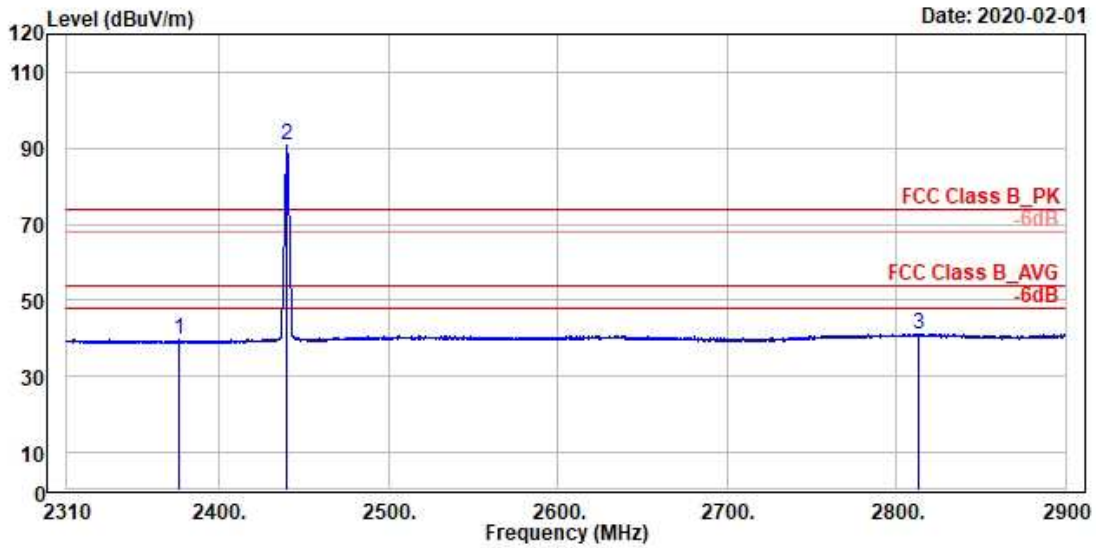


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
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1	2386.346	52.88	15.73	37.15	74.00	-21.12	274	247	Peak	Vertical
2	* 2402.000	91.85	54.70	37.15	74.00	17.85	274	247	Peak	Vertical
3	2891.622	54.41	16.35	38.06	74.00	-19.59	274	247	Peak	Vertical

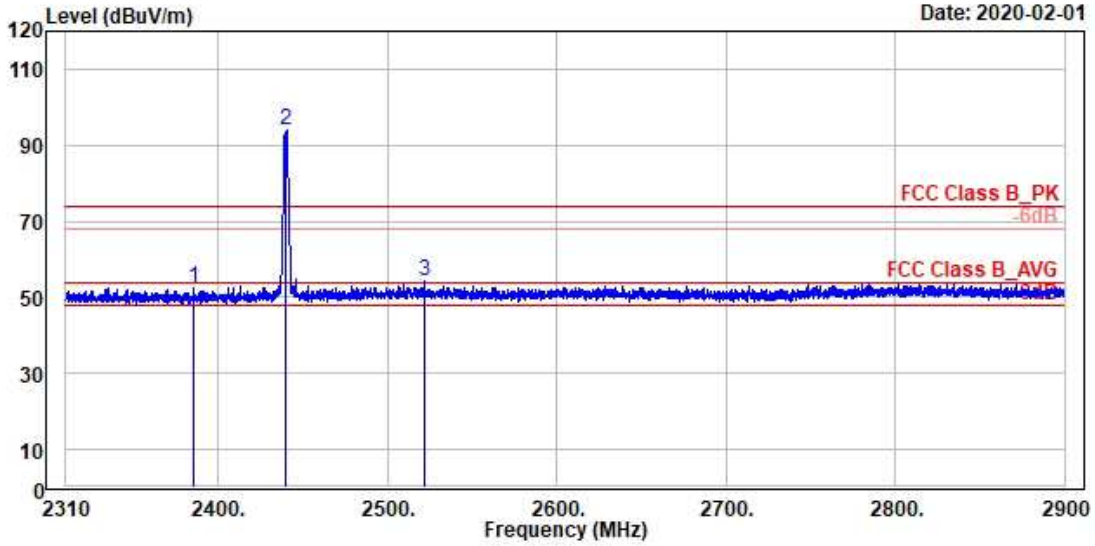
2440MHz Horizontal



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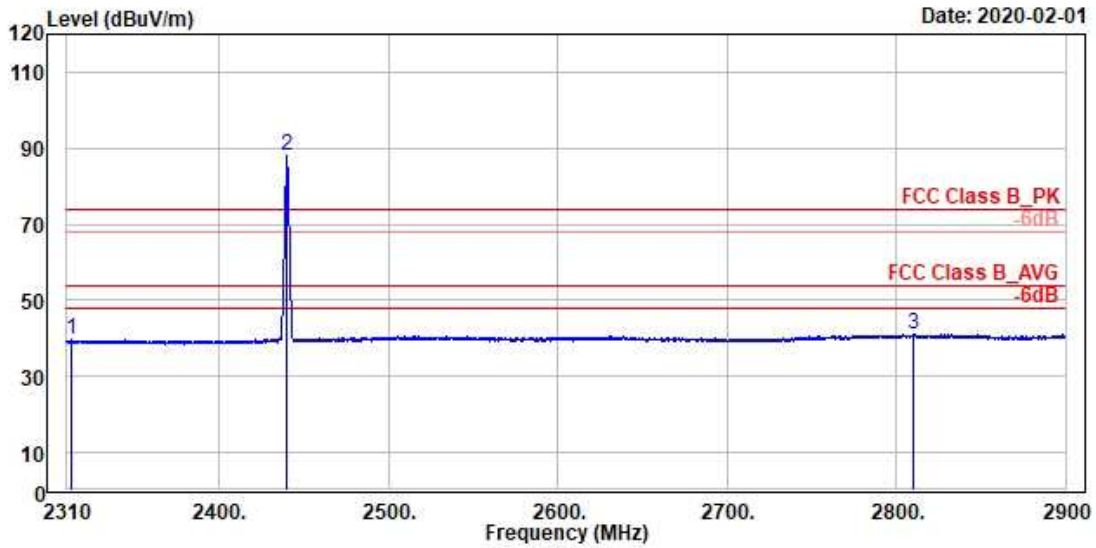
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1	2376.080	39.66	2.50	37.16	54.00	-14.34	100	191	Average	Horizontal
2 *	2440.000	90.99	53.64	37.35	54.00	36.99	100	191	Average	Horizontal
3	2812.916	41.08	2.97	38.11	54.00	-12.92	100	191	Average	Horizontal



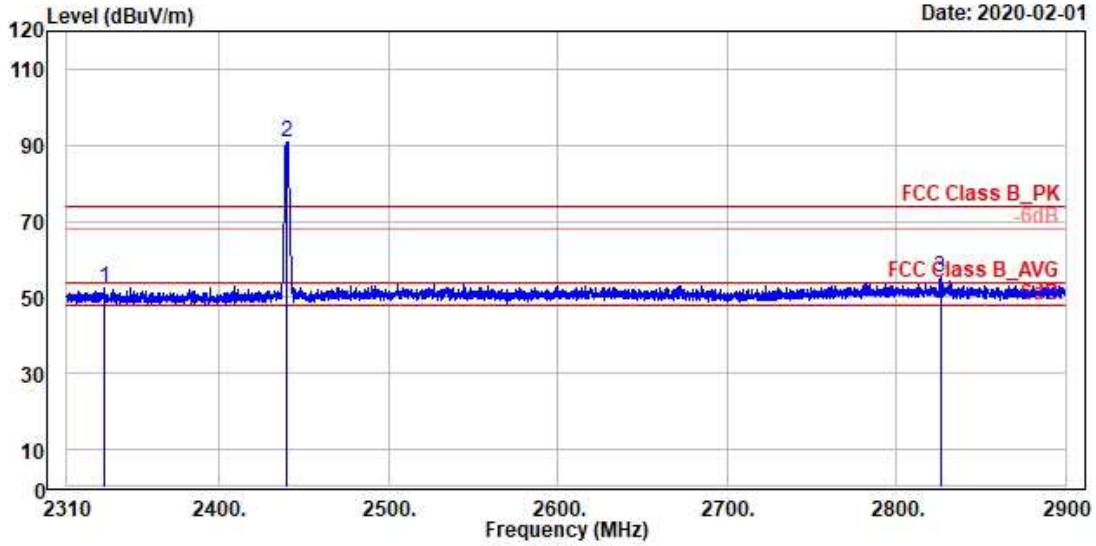
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1	2385.402	52.52	15.37	37.15	74.00	-21.48	100	191	Peak	Horizontal
2	* 2440.000	93.77	56.42	37.35	74.00	19.77	100	191	Peak	Horizontal
3	2522.164	54.19	16.41	37.78	74.00	-19.81	100	191	Peak	Horizontal



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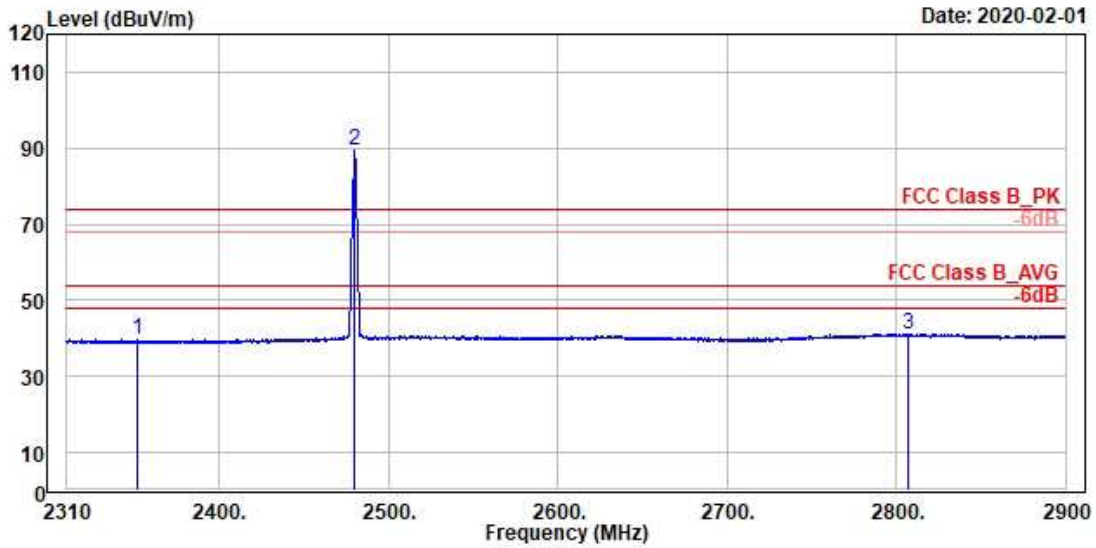
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1	2312.242	39.50	2.37	37.13	54.00	-14.50	271	248	Average	Vertical
2 *	2440.000	87.95	50.60	37.35	54.00	33.95	271	248	Average	Vertical
3	2810.320	41.11	2.99	38.12	54.00	-12.89	271	248	Average	Vertical



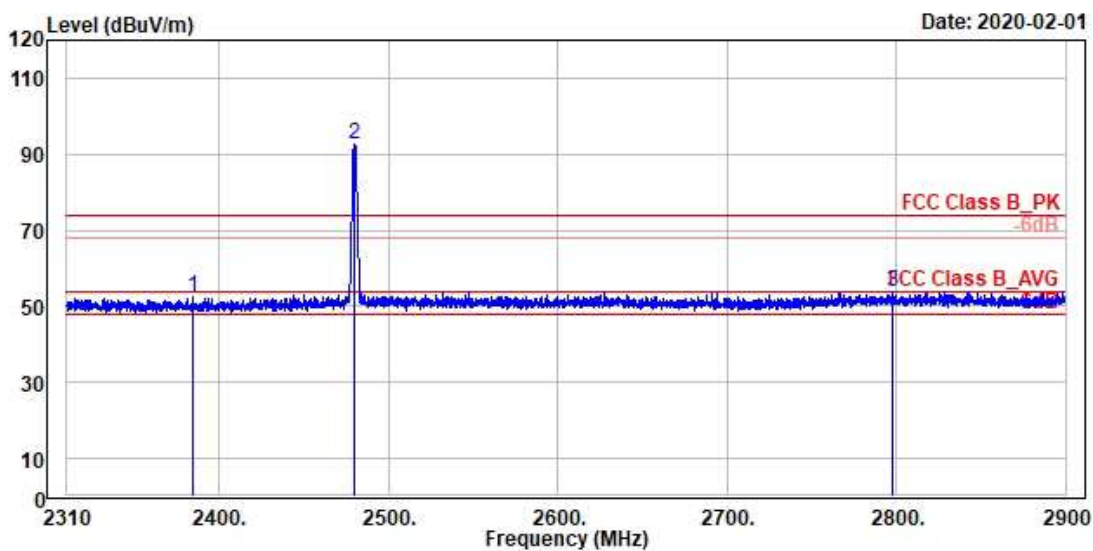
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1	2332.066	52.53	15.38	37.15	74.00	-21.47	271	248	Peak	Vertical
2 *	2440.000	90.94	53.59	37.35	74.00	16.94	271	248	Peak	Vertical
3	2826.132	55.42	17.31	38.11	74.00	-18.58	271	248	Peak	Vertical



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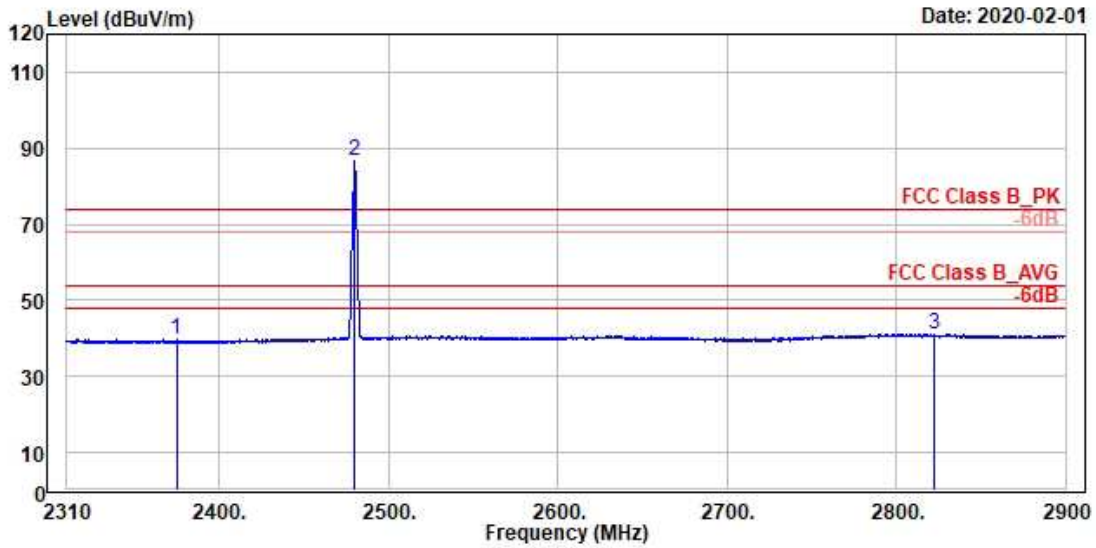
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2351.890	39.57	2.39	37.18	54.00	-14.43	111	192	Average	Horizontal
2 *	2480.000	89.61	52.05	37.56	54.00	35.61	111	192	Average	Horizontal
3	2807.488	41.17	3.04	38.13	54.00	-12.83	111	192	Average	Horizontal



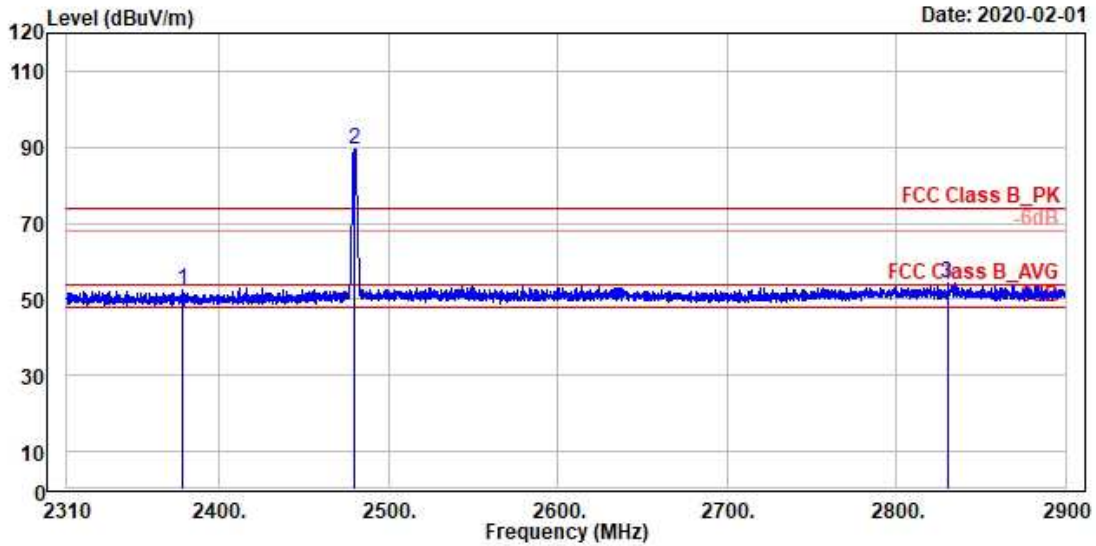
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1	2384.104	52.57	15.42	37.15	74.00	-21.43	111	192	Peak	Horizontal
2	* 2480.000	92.45	54.89	37.56	74.00	18.45	111	192	Peak	Horizontal
3	2798.166	53.88	15.76	38.12	74.00	-20.12	111	192	Peak	Horizontal



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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	2374.664	39.66	2.51	37.15	54.00	-14.34	400	324	Average	Vertical
2 *	2480.000	86.77	49.21	37.56	54.00	32.77	400	324	Average	Vertical
3	2822.238	41.06	2.95	38.11	54.00	-12.94	400	324	Average	Vertical



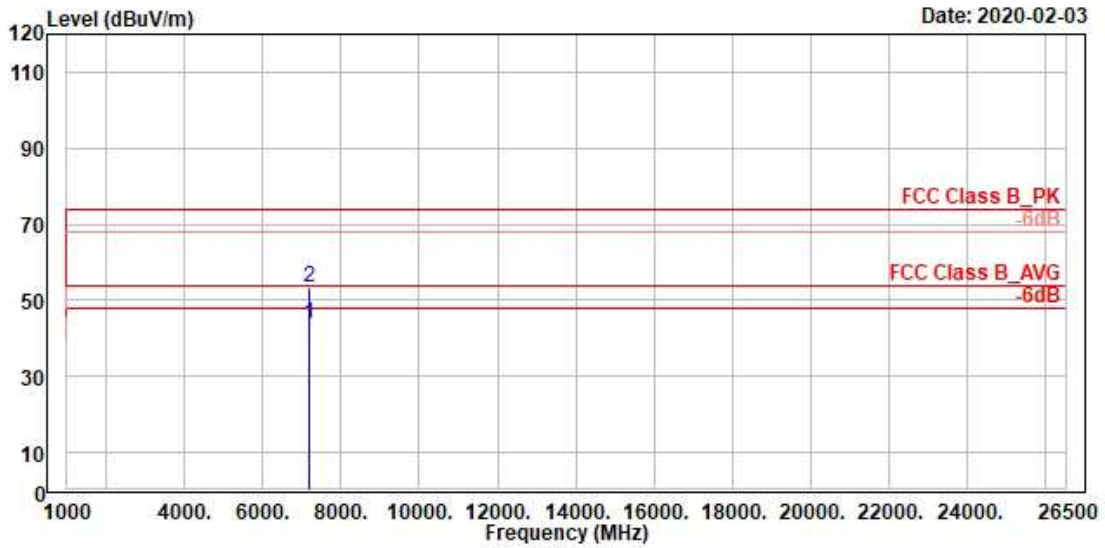
Date: 2020-02-01

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1	2378.558	52.42	15.27	37.15	74.00	-21.58	400	324	Peak	Vertical
2 *	2480.000	89.63	52.07	37.56	74.00	15.63	400	324	Peak	Vertical
3	2830.262	54.18	16.08	38.10	74.00	-19.82	400	324	Peak	Vertical

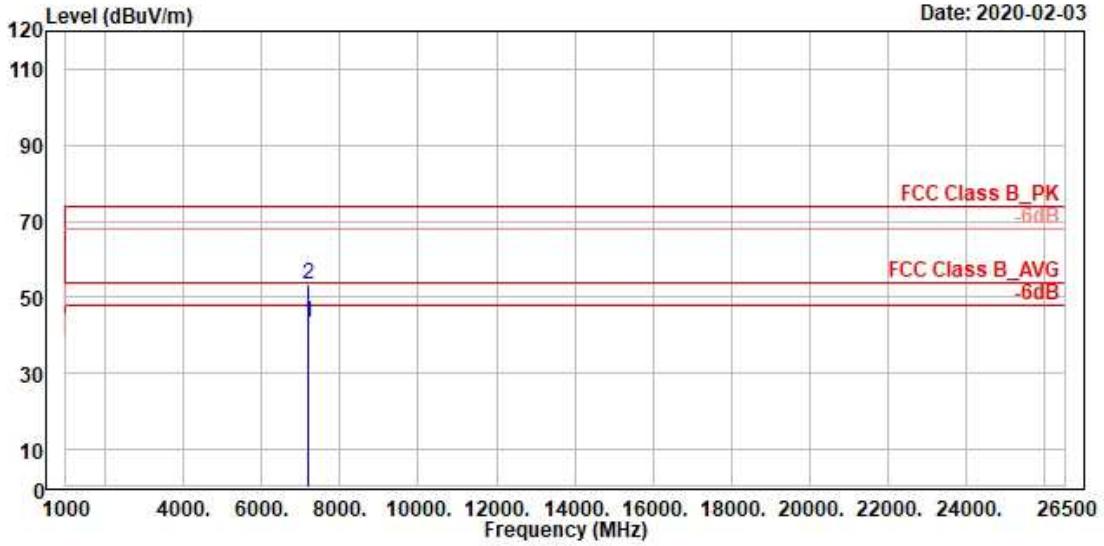
Spurious Emissions, TX Mode, 1-26.5G(BLE 1M)



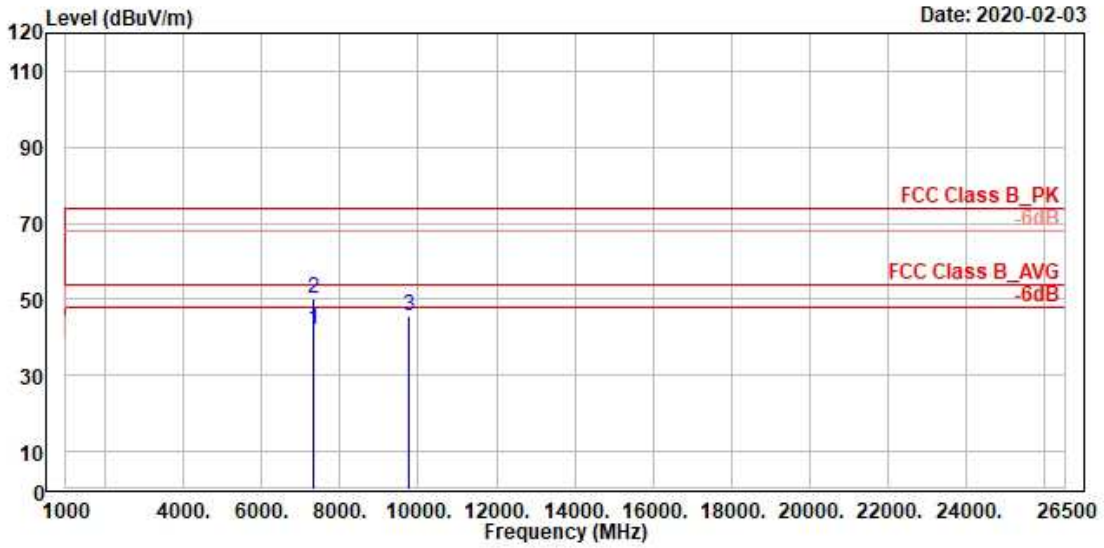
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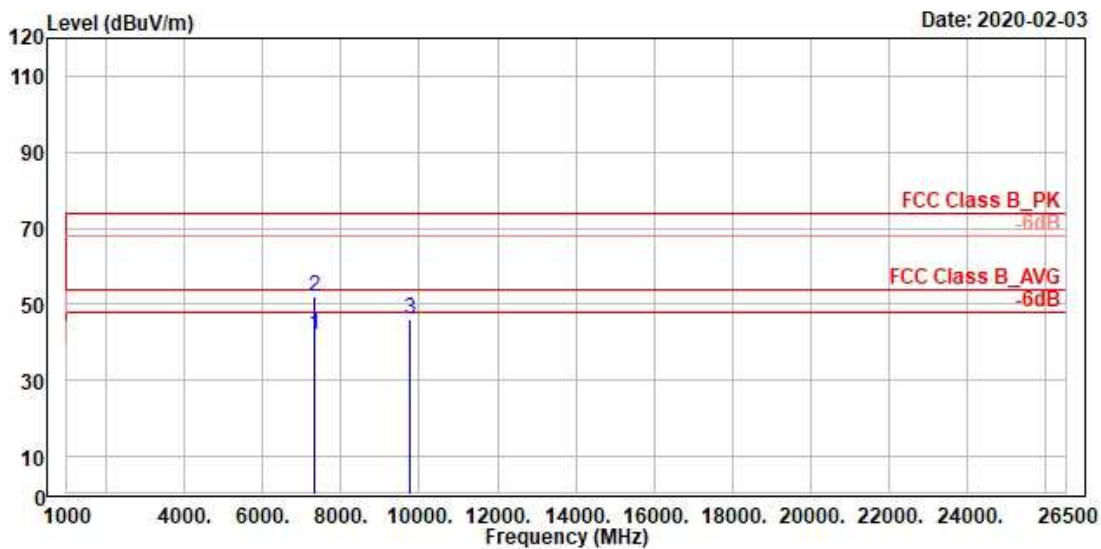
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7206.000	43.76	50.58	-6.82	54.00	-10.24	100	356	Average	horizontal
2	7206.000	53.53	60.35	-6.82	74.00	-20.47	100	356	Peak	horizontal



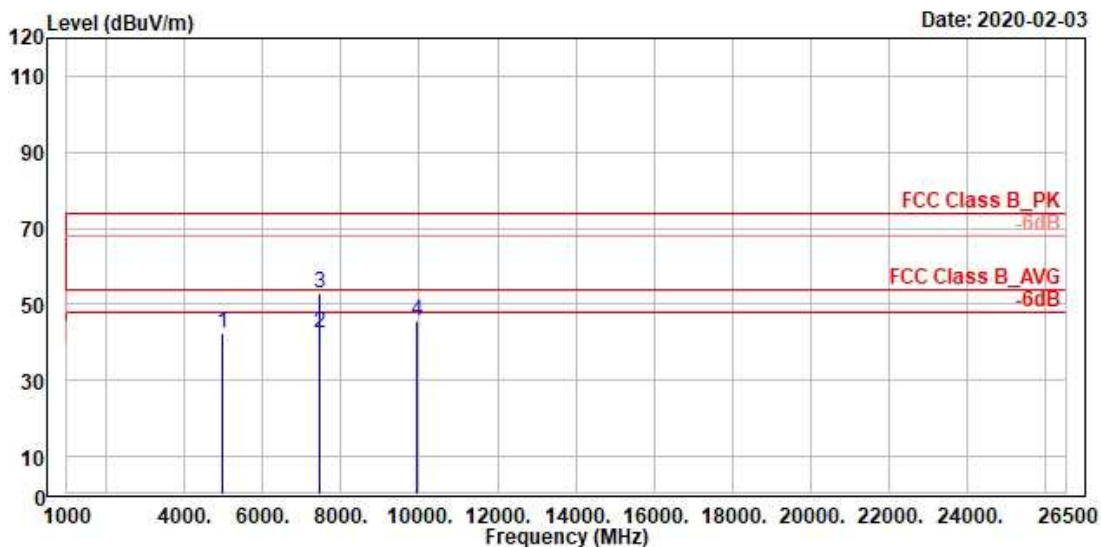
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7206.000	43.22	50.04	-6.82	54.00	-10.78	300	319	Average	vertical
2	7206.000	53.42	60.24	-6.82	74.00	-20.58	300	319	Peak	vertical



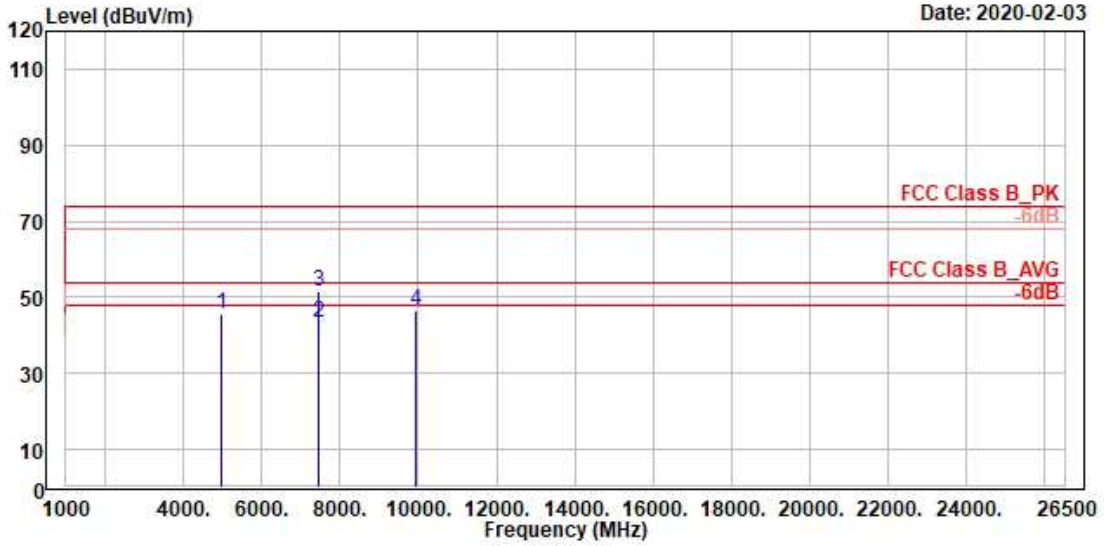
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7320.000	41.77	48.47	-6.70	54.00	-12.23	300	348	Average	horizontal
2	7320.000	50.39	57.09	-6.70	74.00	-23.61	300	348	Peak	horizontal
3	9760.000	45.51	49.38	-3.87	74.00	-28.49	300	79	Peak	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	7320.000	41.84	48.54	-6.70	54.00	-12.16	100	109	Average	vertical
2	7320.000	51.83	58.53	-6.70	74.00	-22.17	100	109	Peak	vertical
3	9760.000	46.00	49.87	-3.87	74.00	-28.00	300	200	Peak	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	4960.000	42.35	51.48	-9.13	74.00	-31.65	100	224	Peak	horizontal
2	7440.000	42.65	49.35	-6.70	54.00	-11.35	100	64	Average	horizontal
3	7440.000	52.95	59.65	-6.70	74.00	-21.05	100	64	Peak	horizontal
4	9920.000	45.71	49.35	-3.64	74.00	-28.29	300	79	Peak	horizontal



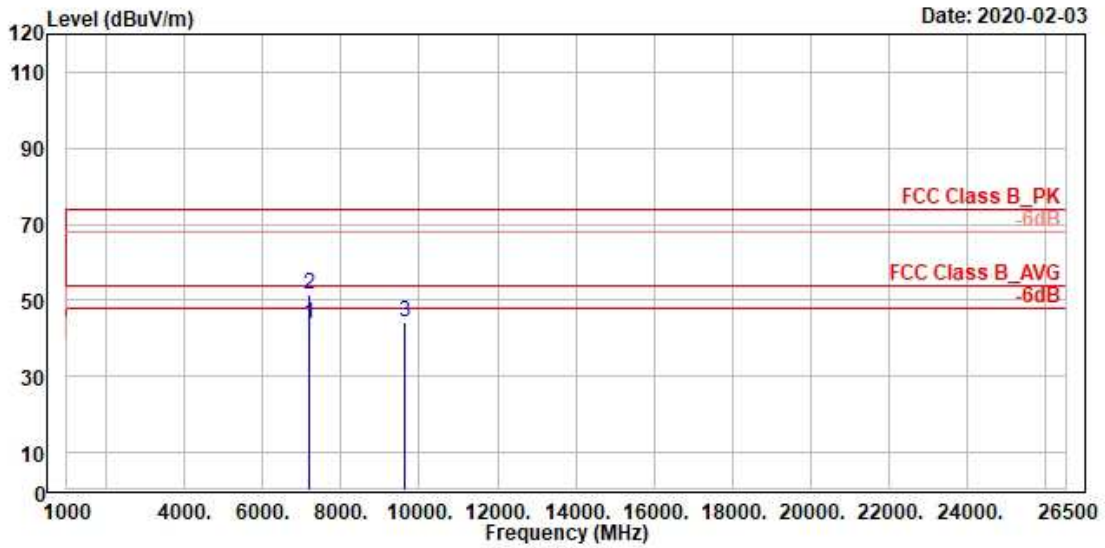
Date: 2020-02-03

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
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1	4960.000	45.62	54.75	-9.13	74.00	-28.38	100	277	Peak	vertical
2	7440.000	43.19	49.89	-6.70	54.00	-10.81	300	165	Average	vertical
3	7440.000	51.65	58.35	-6.70	74.00	-22.35	300	165	Peak	vertical
4	9920.000	46.40	50.04	-3.64	74.00	-27.60	300	196	Peak	vertical

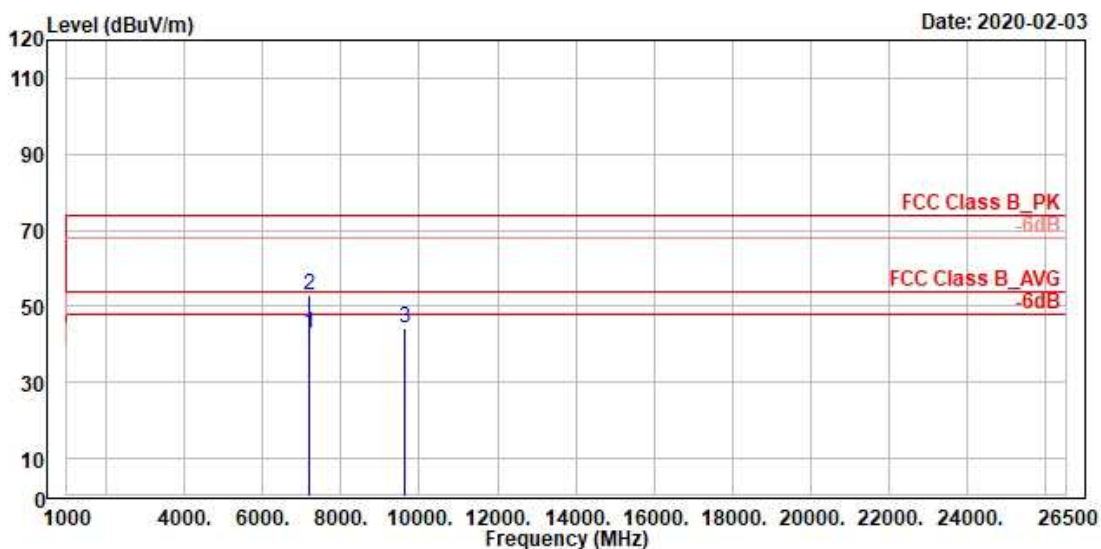
Spurious Emissions, TX Mode, 1-26.5G(BLE 2M)



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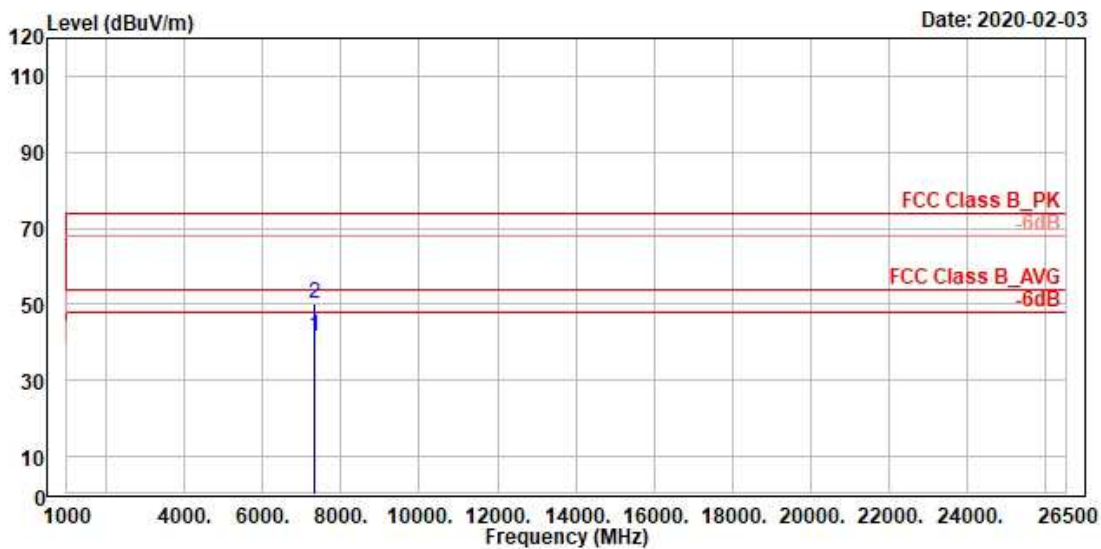


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7206.000	43.72	50.54	-6.82	54.00	-10.28	100	0	Average	horizontal
2	7206.000	51.49	58.31	-6.82	74.00	-22.51	100	0	Peak	horizontal
3	9606.000	44.25	48.50	-4.25	74.00	-29.75	200	69	Peak	horizontal

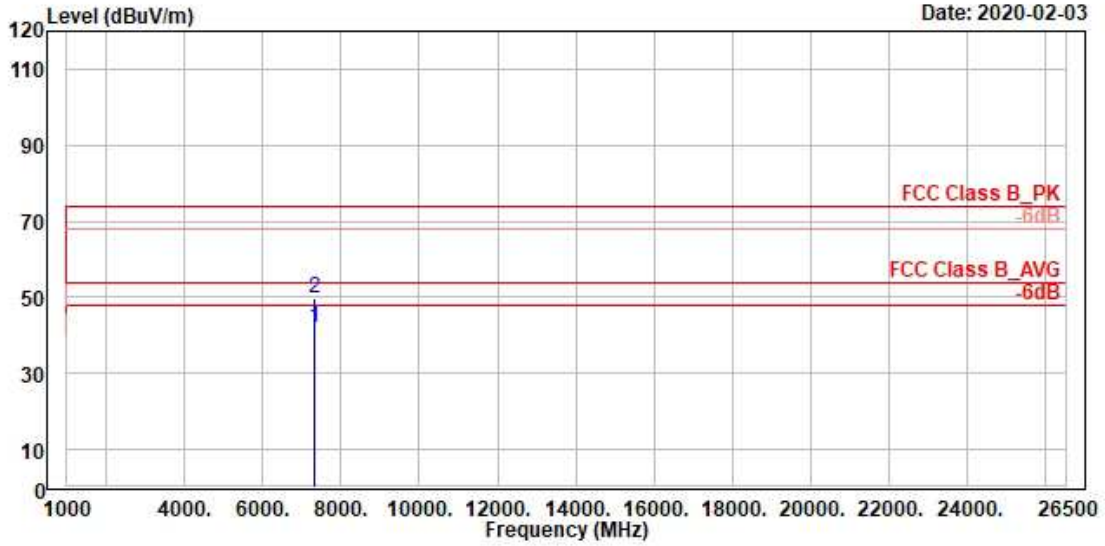


Date: 2020-02-03

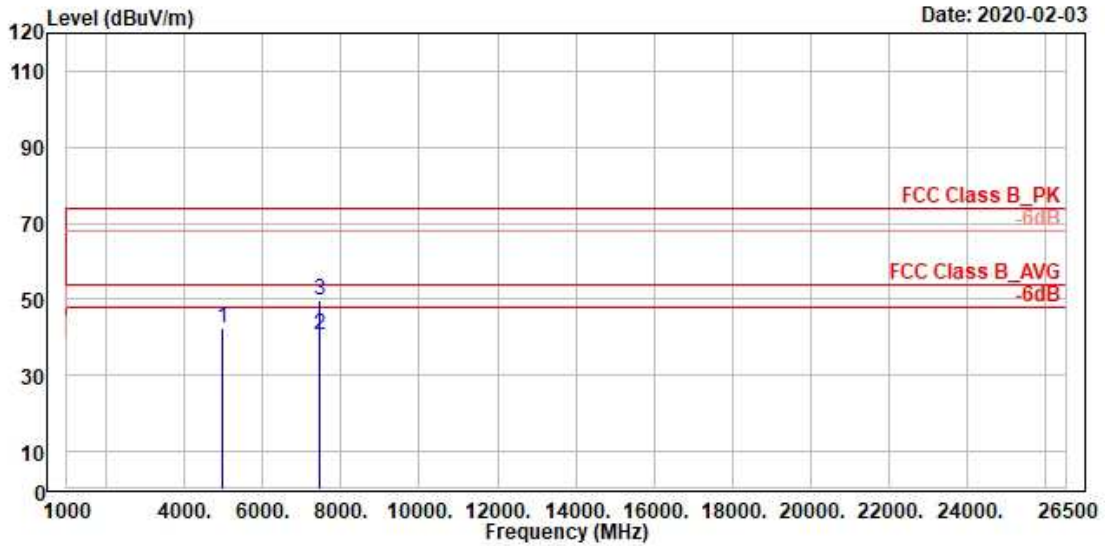
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7206.000	42.74	49.56	-6.82	54.00	-11.26	303	157	Average	vertical
2	7206.000	52.74	59.56	-6.82	74.00	-21.26	303	157	Peak	vertical
3	9606.000	44.47	48.72	-4.25	74.00	-29.53	300	201	Peak	vertical



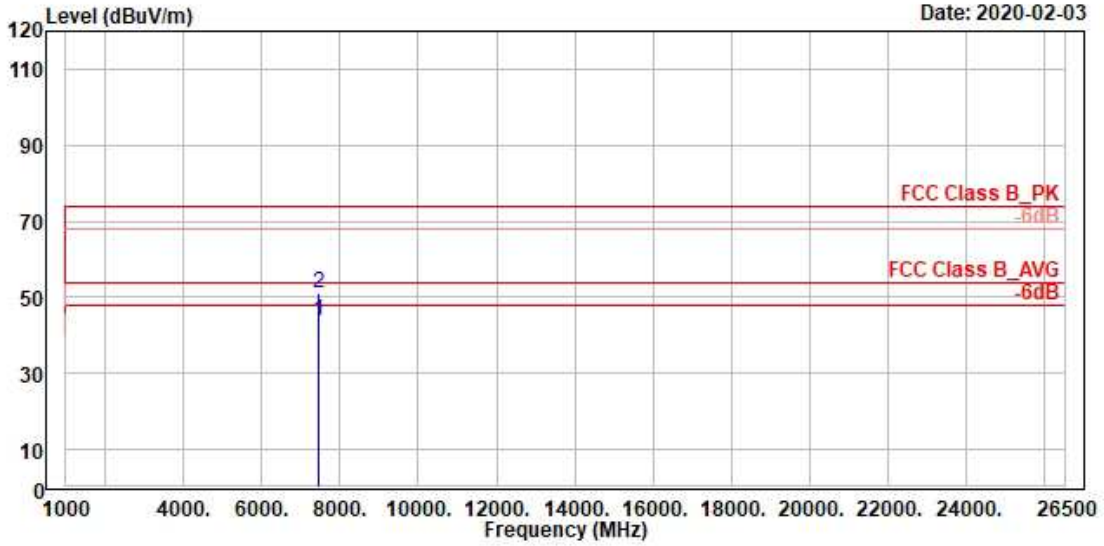
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7320.000	41.40	48.10	-6.70	54.00	-12.60	200	236	Average	horizontal
2	7320.000	50.04	56.74	-6.70	74.00	-23.96	200	236	Peak	horizontal



	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	7320.000	42.01	48.71	-6.70	54.00	-11.99	100	110	Average	vertical
2	7320.000	49.83	56.53	-6.70	74.00	-24.17	100	110	Peak	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	4960.000	42.54	51.67	-9.13	74.00	-31.46	100	135	Peak	horizontal
2	7440.000	40.80	47.50	-6.70	54.00	-13.20	100	352	Average	horizontal
3	7440.000	49.94	56.64	-6.70	74.00	-24.06	100	352	Peak	horizontal



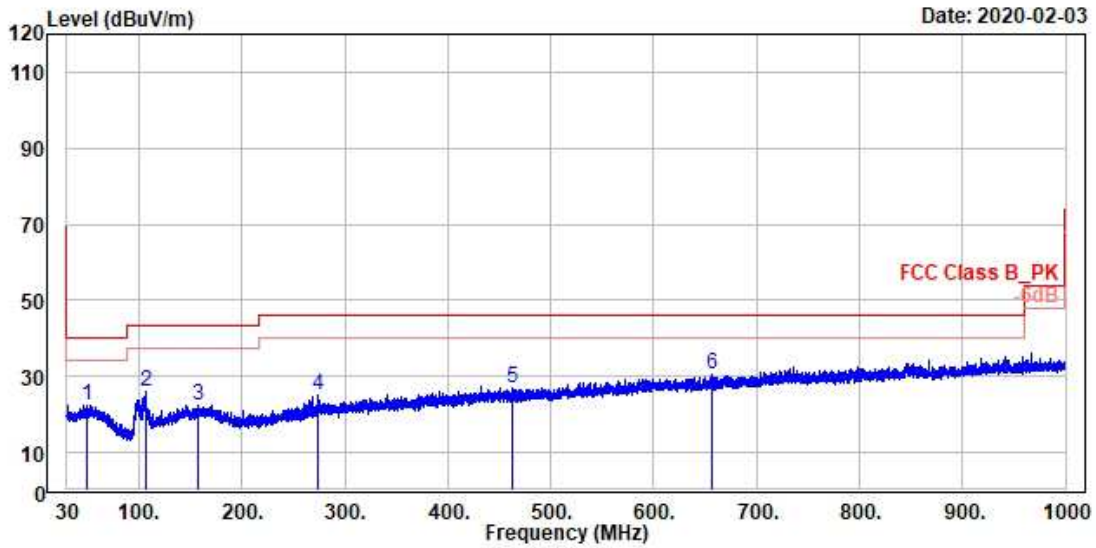
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7440.000	43.97	50.67	-6.70	54.00	-10.03	304	168	Average	vertical
2	7440.000	51.32	58.02	-6.70	74.00	-22.68	304	168	Peak	vertical

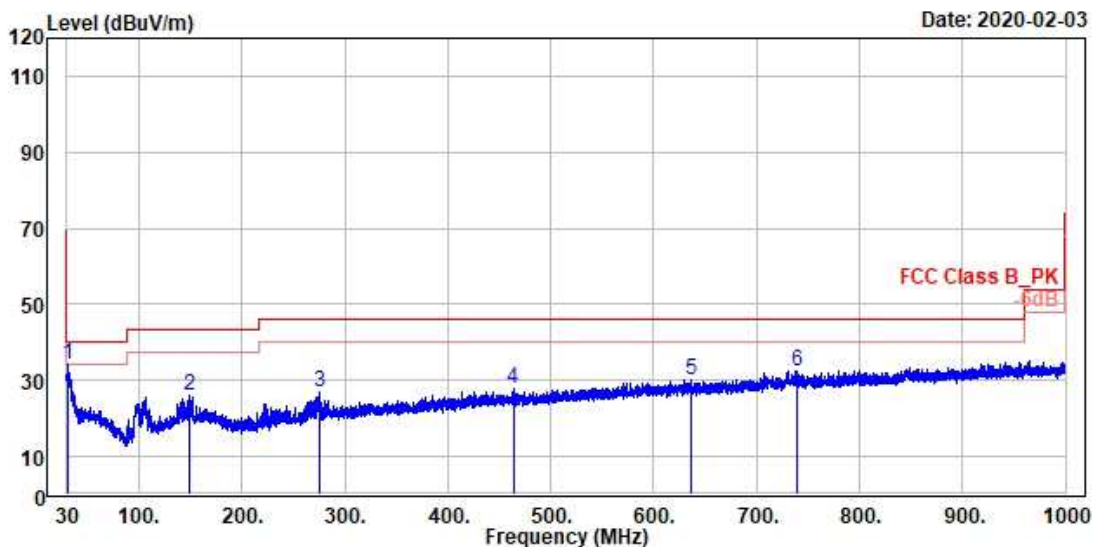
Spurious Emissions, TX Mode, 30M-1G(BLE 2M)



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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	49.303	22.55	28.59	-6.04	40.00	-17.45	200	29	QP	horizontal
2	107.115	25.79	35.67	-9.88	43.50	-17.71	315	360	QP	horizontal
3	157.943	22.29	28.36	-6.07	43.50	-21.21	300	72	QP	horizontal
4	273.664	25.01	30.68	-5.67	46.00	-20.99	200	358	QP	horizontal
5	463.008	26.95	29.16	-2.21	46.00	-19.05	154	360	QP	horizontal
6	656.426	30.71	29.98	0.73	46.00	-15.29	336	360	QP	horizontal



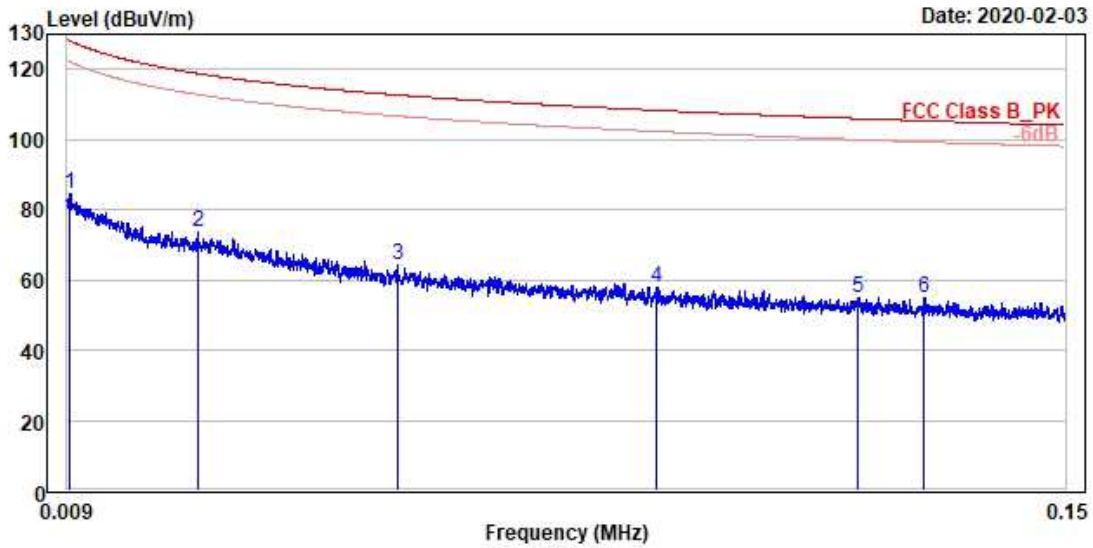
Date: 2020-02-03

	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 !	30.873	34.11	41.92	-7.81	40.00	-5.89	147	360	QP	vertical
2	149.213	26.18	32.49	-6.31	43.50	-17.32	100	256	QP	vertical
3	275.410	26.81	32.37	-5.56	46.00	-19.19	100	236	QP	vertical
4	463.590	27.65	29.85	-2.20	46.00	-18.35	300	360	QP	vertical
5	636.929	30.17	29.65	0.52	46.00	-15.83	300	14	QP	vertical
6	738.876	32.55	30.42	2.13	46.00	-13.45	300	186	QP	vertical

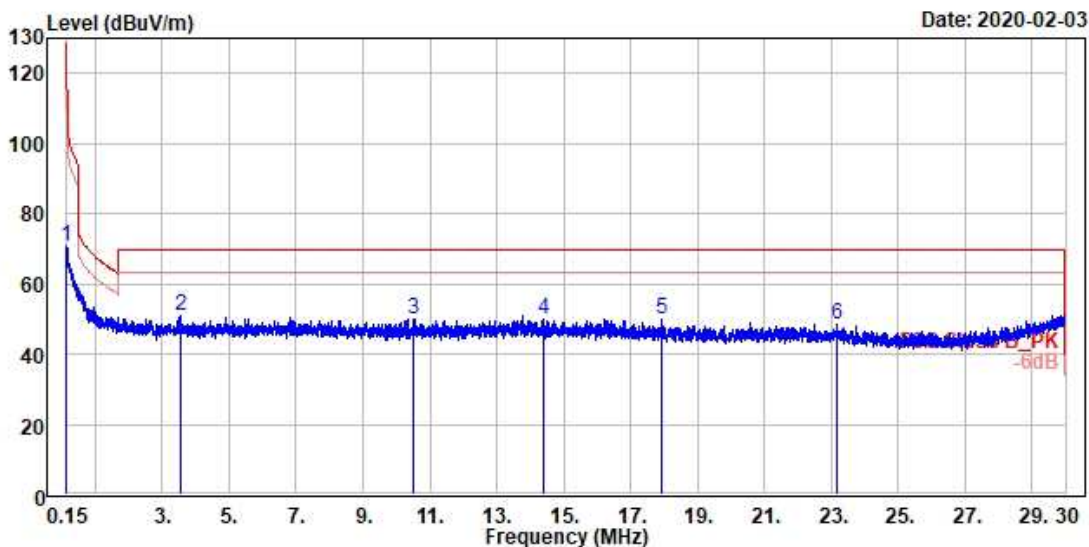
Spurious Emissions, TX Mode, 9k-30M(BLE 2M)



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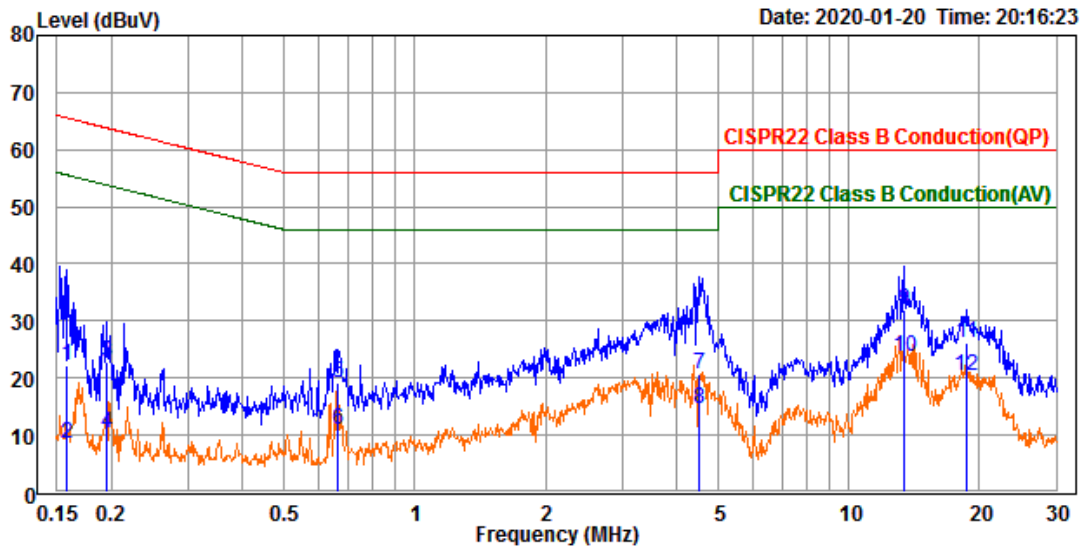


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.009	84.38	4.95	79.43	128.06	-43.68	100	101	QP	vertical
2	0.027	73.51	2.31	71.20	118.81	-45.30	100	14	QP	vertical
3	0.056	64.16	-0.10	64.26	112.68	-48.52	100	29	QP	vertical
4	0.092	58.03	-2.14	60.17	108.29	-50.26	100	148	QP	vertical
5	0.121	54.95	-3.10	58.05	105.96	-51.01	100	251	QP	vertical
6	0.130	55.03	-2.47	57.50	105.31	-50.28	100	264	QP	vertical



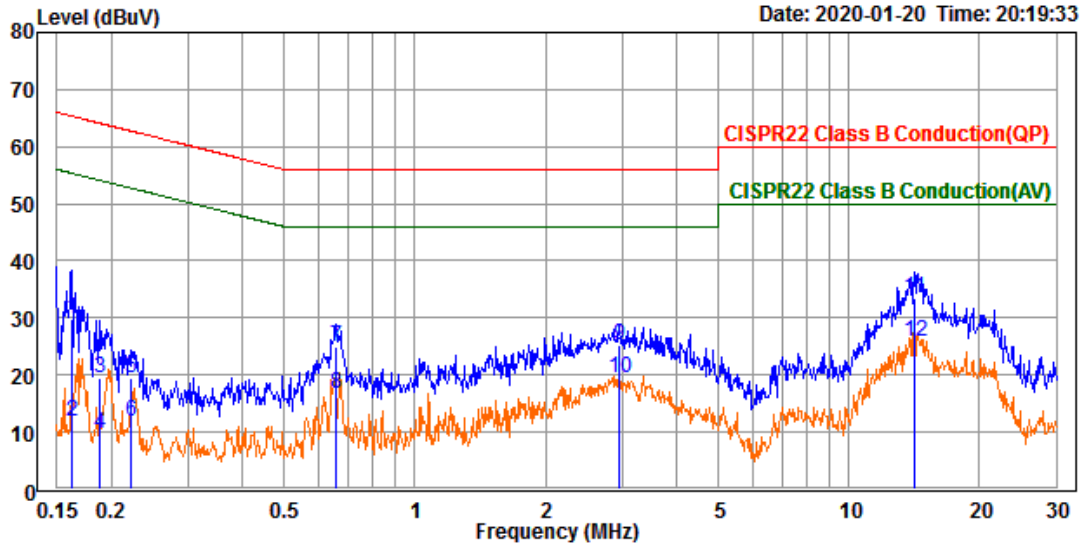
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.150	70.49	14.14	56.35	104.08	-33.59	100	132	QP	vertical
2	3.529	50.94	12.67	38.27	69.50	-18.56	100	102	QP	vertical
3	10.532	50.00	12.62	37.38	69.50	-19.50	100	47	QP	vertical
4	14.377	49.97	12.31	37.66	69.50	-19.53	100	106	QP	vertical
5	17.953	49.93	13.08	36.85	69.50	-19.57	100	360	QP	vertical
6	23.179	48.61	13.16	35.45	69.50	-20.89	100	349	QP	vertical

Mains Spurious Emissions



Trace: 1
 Site : Conduction room
 Condition : CISPR22 Class B Conduction(QP) line1
 Test Engineer: Aslen Chiu
 Product : Wireless combo module
 Model No. : EYSNSN
 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	0.158	12.54	9.61	22.15	65.54	-43.39	QP
2	0.158	-0.97	9.61	8.64	55.54	-46.90	Average
3	0.194	13.32	9.61	22.93	63.85	-40.92	QP
4	0.194	0.80	9.61	10.41	53.85	-43.44	Average
5	0.666	9.51	9.62	19.13	56.00	-36.87	QP
6	0.666	1.28	9.62	10.90	46.00	-35.10	Average
7	4.514	10.95	9.68	20.63	56.00	-35.37	QP
8	4.514	4.86	9.68	14.54	46.00	-31.46	Average
9	13.380	22.08	9.75	31.83	60.00	-28.17	QP
10	13.380	13.86	9.75	23.61	50.00	-26.39	Average
11	18.591	16.35	9.79	26.14	60.00	-33.86	QP
12	18.591	10.46	9.79	20.25	50.00	-29.75	Average



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

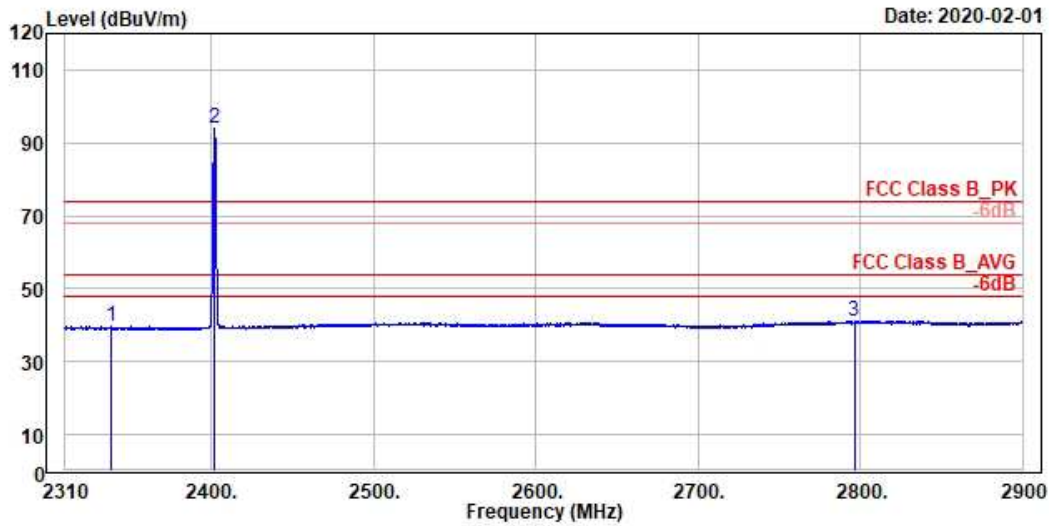
	Read Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.162	20.33	9.62	29.95	65.34	-35.39	QP
2	0.162	2.31	9.62	11.93	55.34	-43.41	Average
3	0.189	9.89	9.62	19.51	64.10	-44.59	QP
4	0.189	0.11	9.62	9.73	54.10	-44.37	Average
5	0.222	9.87	9.62	19.49	62.73	-43.24	QP
6	0.222	2.11	9.62	11.73	52.73	-41.00	Average
7	0.659	15.34	9.63	24.97	56.00	-31.03	QP
8	0.659	7.17	9.63	16.80	46.00	-29.20	Average
9	2.955	15.51	9.66	25.17	56.00	-30.83	QP
10	2.955	9.82	9.66	19.48	46.00	-26.52	Average
11	14.134	23.60	9.78	33.38	60.00	-26.62	QP
12	14.134	16.13	9.78	25.91	50.00	-24.09	Average

Spurious Emissions, Band Edges, 2.35-2.5G(ANT 1M)

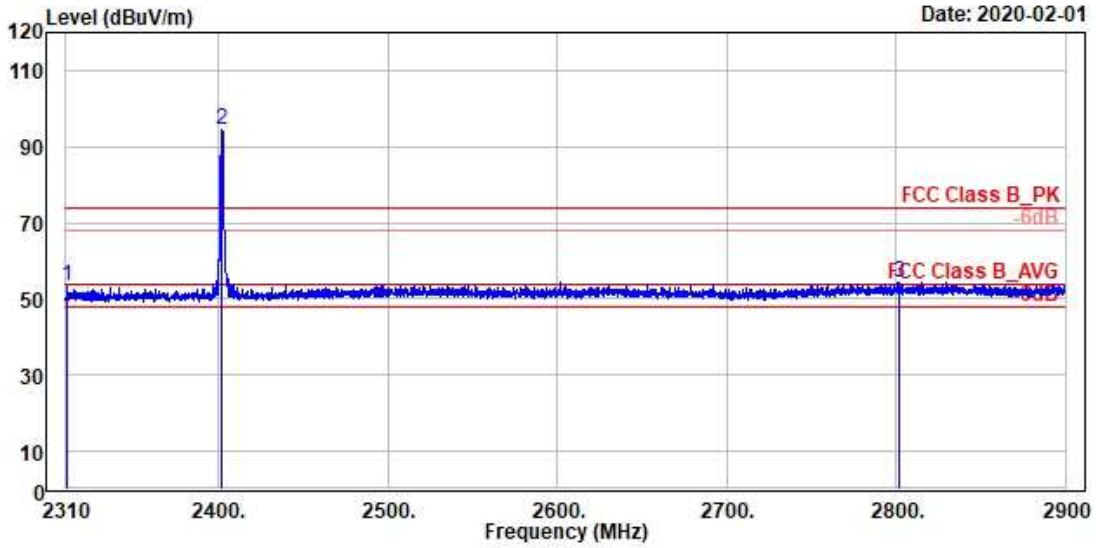
2402MHz Horizontal



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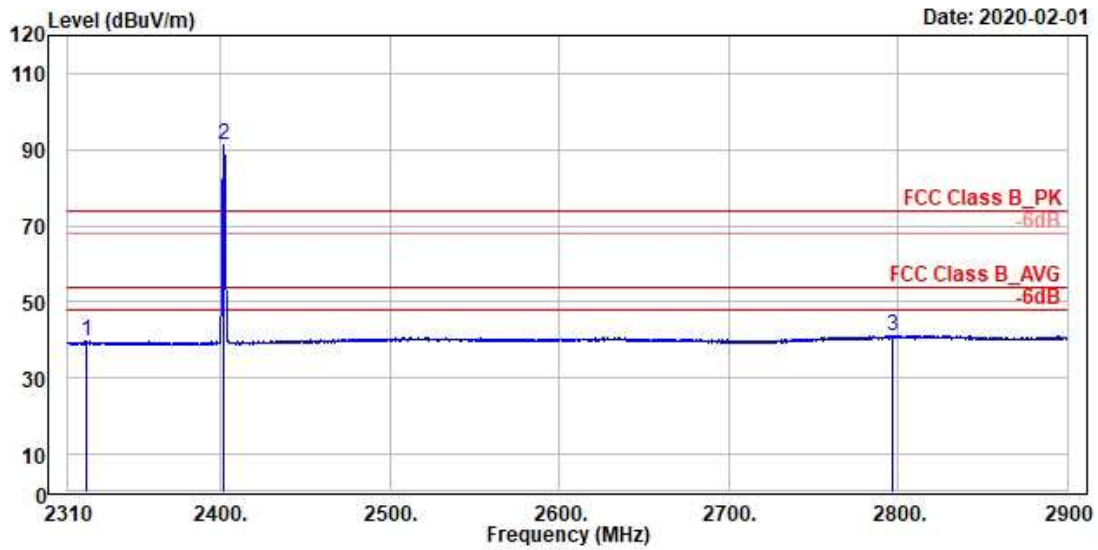
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2337.966	39.67	2.51	37.16	54.00	-14.33	100	191	Average	Horizontal
2 *	2402.000	93.96	56.81	37.15	54.00	39.96	100	191	Average	Horizontal
3	2796.396	41.20	3.08	38.12	54.00	-12.80	100	191	Average	Horizontal



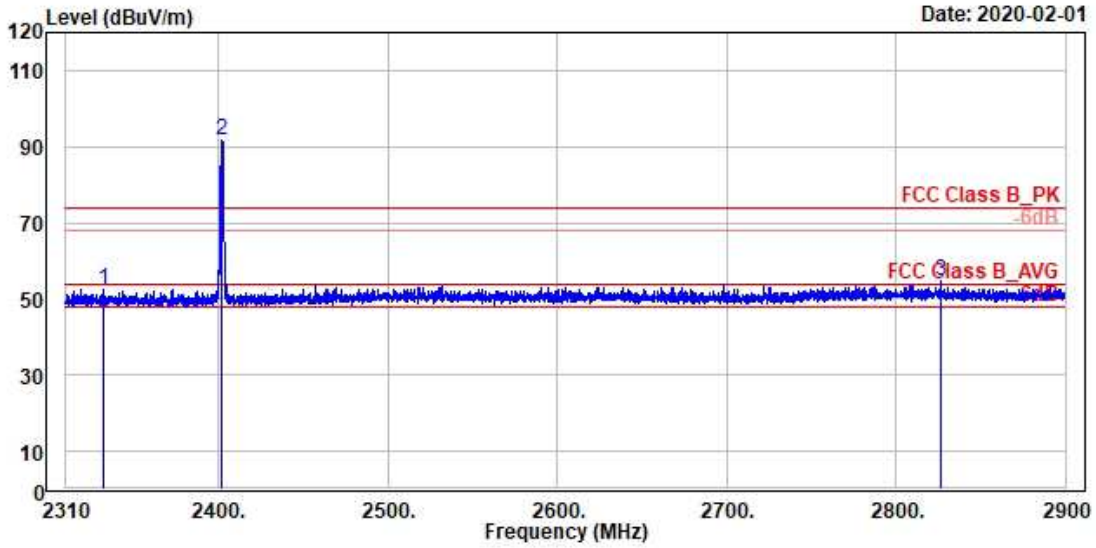
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2310.236	53.32	16.20	37.12	74.00	-20.68	100	191	Peak	Horizontal
2 *	2402.000	94.41	57.26	37.15	74.00	20.41	100	191	Peak	Horizontal
3	2801.942	54.34	16.21	38.13	74.00	-19.66	100	191	Peak	Horizontal



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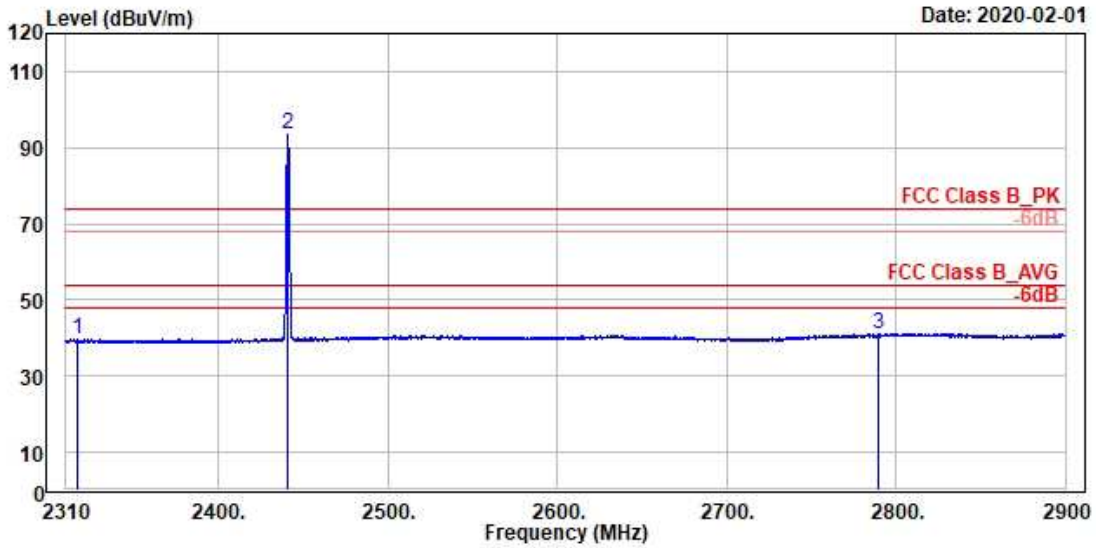
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2320.384	39.54	2.40	37.14	54.00	-14.46	274	247	Average	Vertical
2 *	2402.000	91.35	54.20	37.15	54.00	37.35	274	247	Average	Vertical
3	2796.868	41.10	2.98	38.12	54.00	-12.90	274	247	Average	Vertical



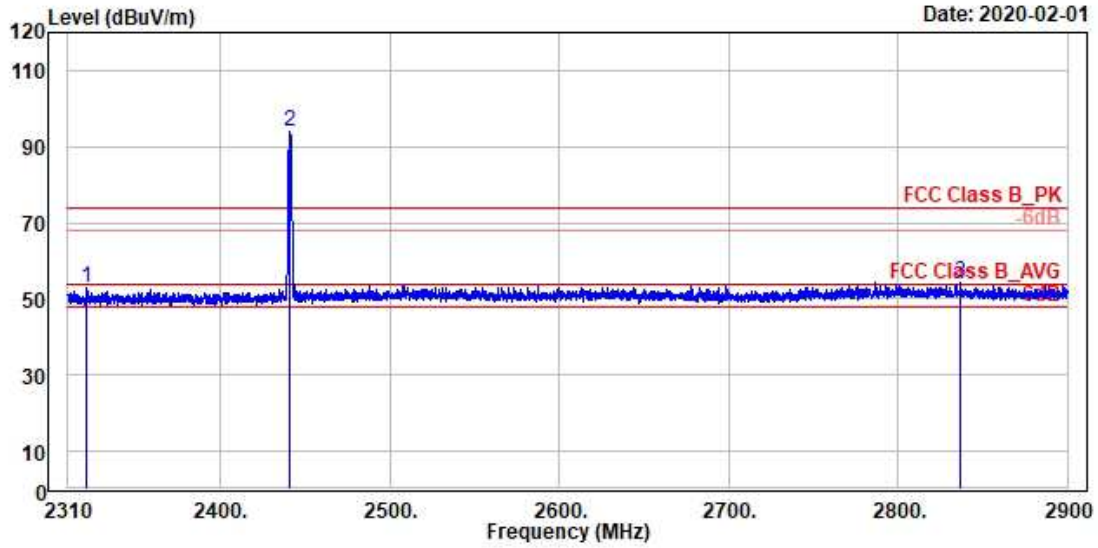
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2331.712	52.51	15.36	37.15	74.00	-21.49	274	247	Peak	Vertical
2 *	2402.000	91.80	54.65	37.15	74.00	17.80	274	247	Peak	Vertical
3	2826.250	54.56	16.45	38.11	74.00	-19.44	274	247	Peak	Vertical



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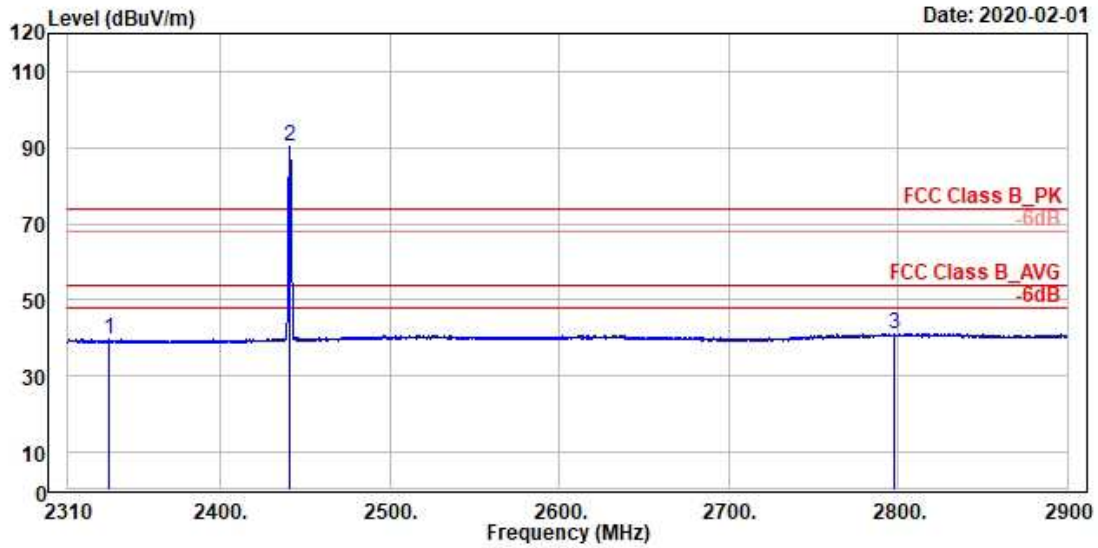
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2316.490	39.72	2.59	37.13	54.00	-14.28	100	191	Average	Horizontal
2 *	2441.000	93.37	56.02	37.35	54.00	39.37	100	191	Average	Horizontal
3	2789.316	41.12	3.01	38.11	54.00	-12.88	100	191	Average	Horizontal



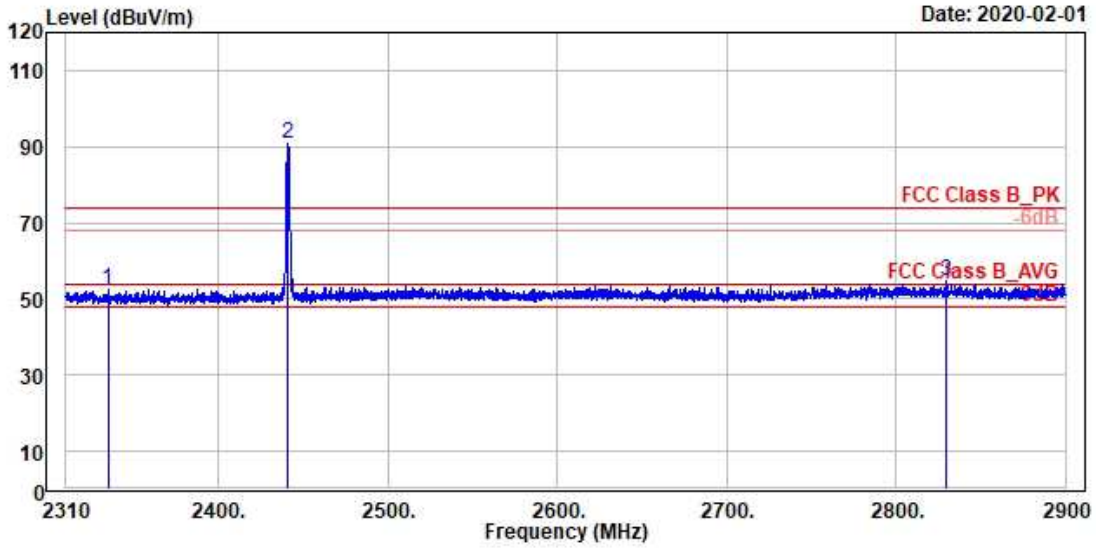
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2321.210	52.71	15.57	37.14	74.00	-21.29	100	191	Peak	Horizontal
2 *	2441.000	93.83	56.48	37.35	74.00	19.83	100	191	Peak	Horizontal
3	2837.342	54.17	16.07	38.10	74.00	-19.83	100	191	Peak	Horizontal



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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	2334.426	39.59	2.44	37.15	54.00	-14.41	271	248	Average	Vertical
2 *	2441.000	90.34	52.99	37.35	54.00	36.34	271	248	Average	Vertical
3	2797.812	41.13	3.01	38.12	54.00	-12.87	271	248	Average	Vertical

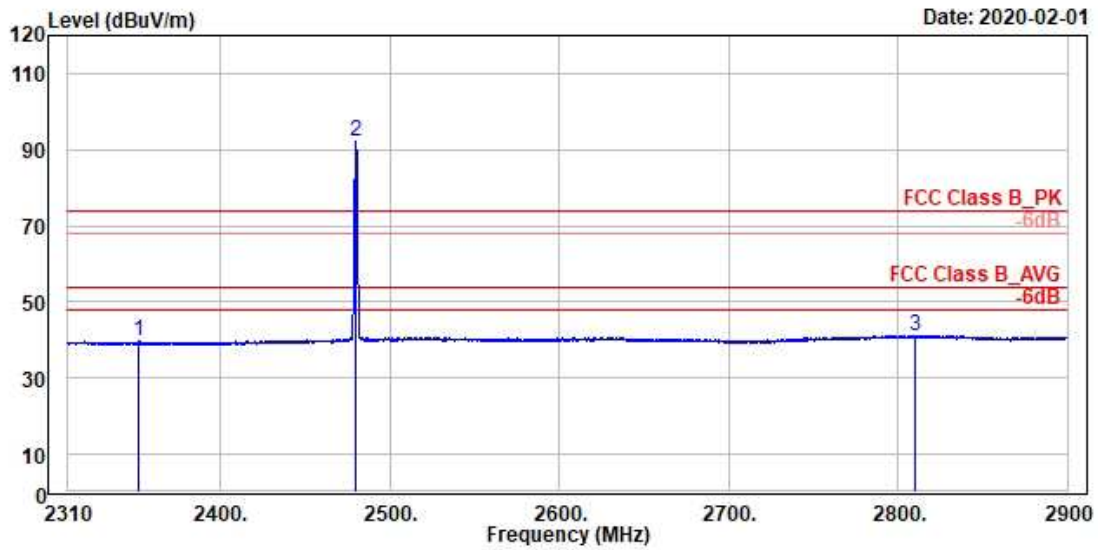


Date: 2020-02-01

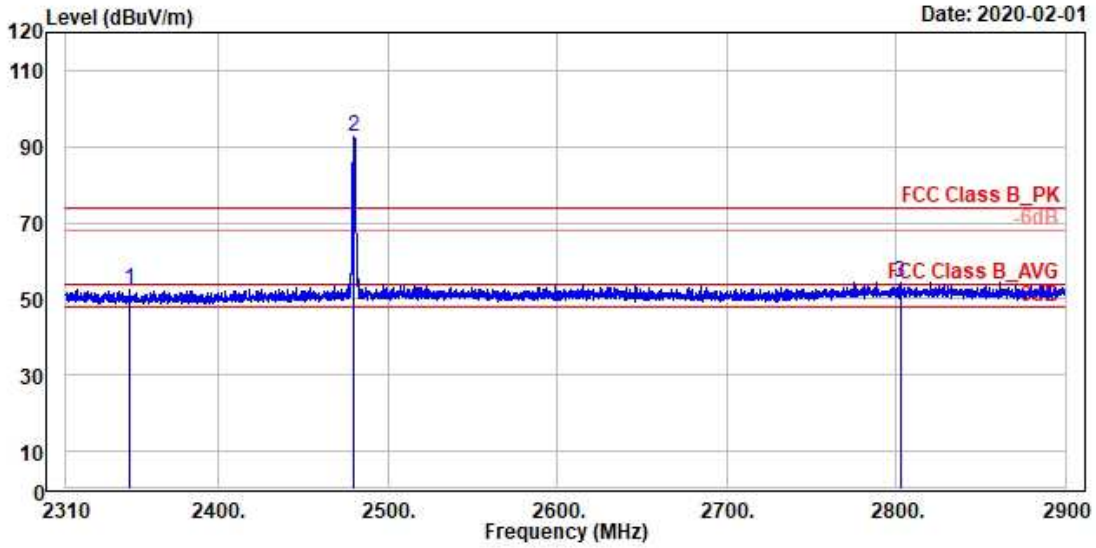
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2334.662	52.57	15.42	37.15	74.00	-21.43	271	248	Peak Vertical
2	* 2441.000	90.82	53.47	37.35	74.00	16.82	271	248	Peak Vertical
3	2829.672	54.92	16.82	38.10	74.00	-19.08	271	248	Peak Vertical



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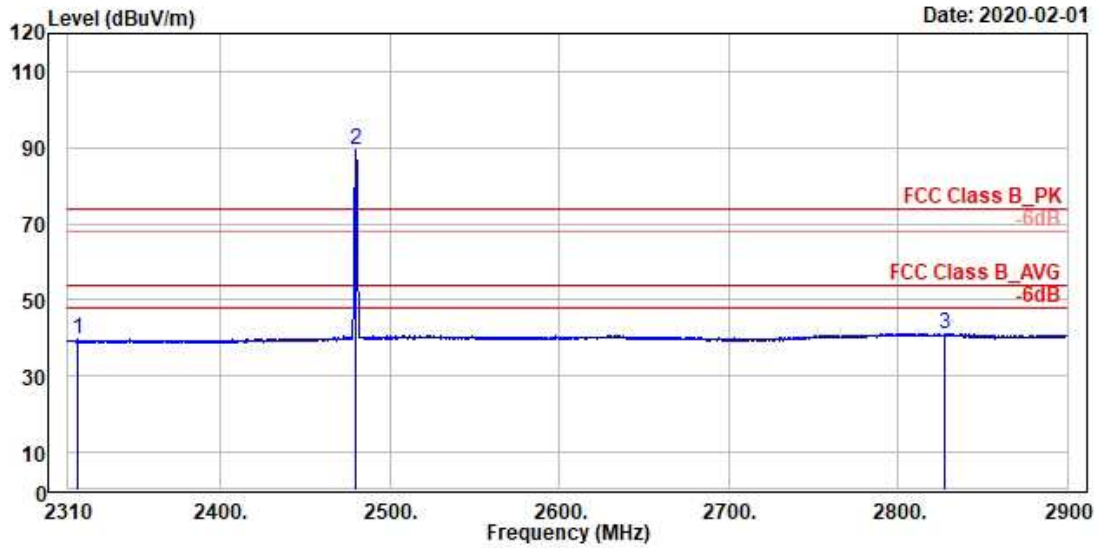
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2352.008	39.54	2.36	37.18	54.00	-14.46	111	192	Average	Horizontal
2 *	2480.000	92.09	54.53	37.56	54.00	38.09	111	192	Average	Horizontal
3	2810.084	41.18	3.06	38.12	54.00	-12.82	111	192	Average	Horizontal



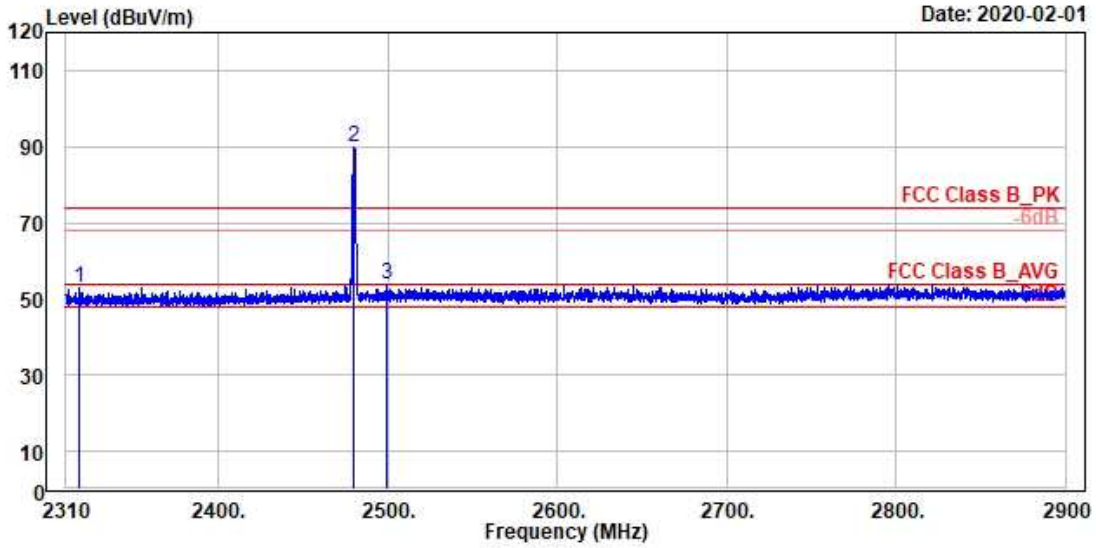
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1	2347.760	52.50	15.33	37.17	74.00	-21.50	111	192	Peak	Horizontal
2 *	2480.000	92.57	55.01	37.56	74.00	18.57	111	192	Peak	Horizontal
3	2802.532	54.40	16.28	38.12	74.00	-19.60	111	192	Peak	Horizontal



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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	2315.664	39.54	2.41	37.13	54.00	-14.46	400	324	Average	Vertical
2 *	2480.000	89.26	51.70	37.56	54.00	35.26	400	324	Average	Vertical
3	2827.666	41.11	3.01	38.10	54.00	-12.89	400	324	Average	Vertical

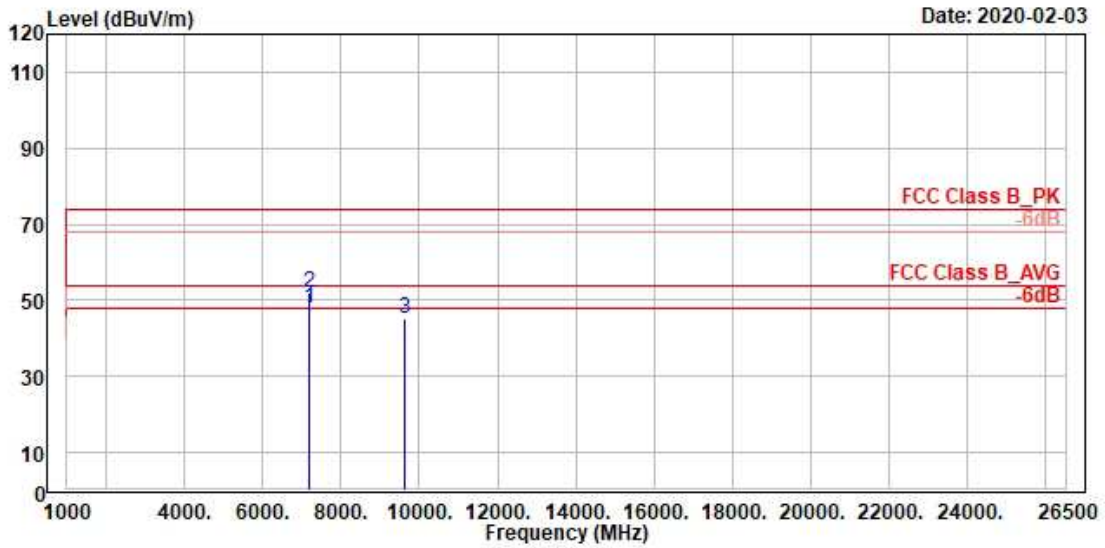


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2317.670	53.02	15.89	37.13	74.00	-20.98	400	324	Peak	Vertical
2	* 2480.000	89.73	52.17	37.56	74.00	15.73	400	324	Peak	Vertical
3	2499.508	54.07	16.41	37.66	74.00	-19.93	400	324	Peak	Vertical

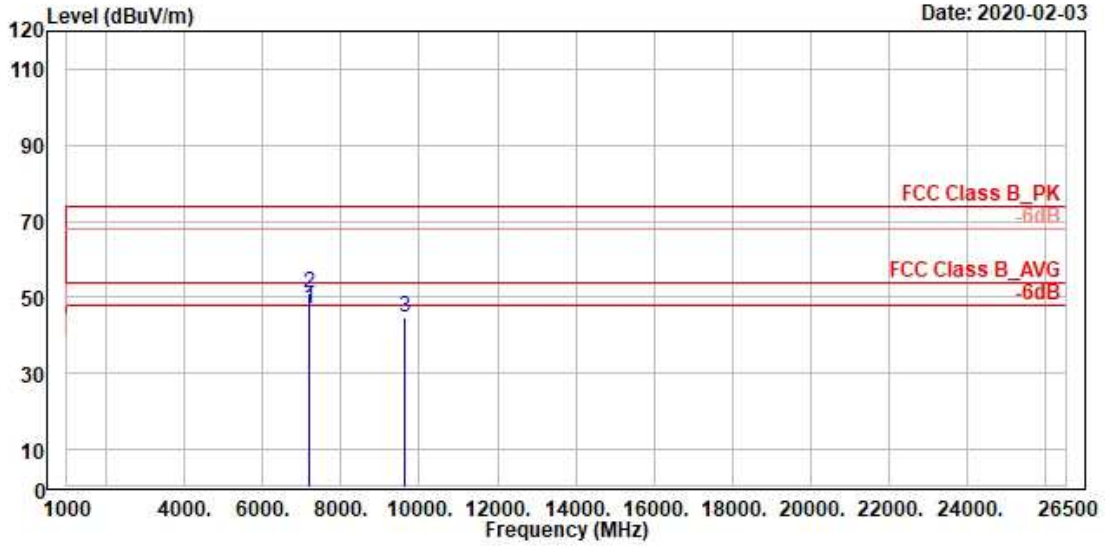
Spurious Emissions, TX Mode, 1-26.5G(ANT 1M)



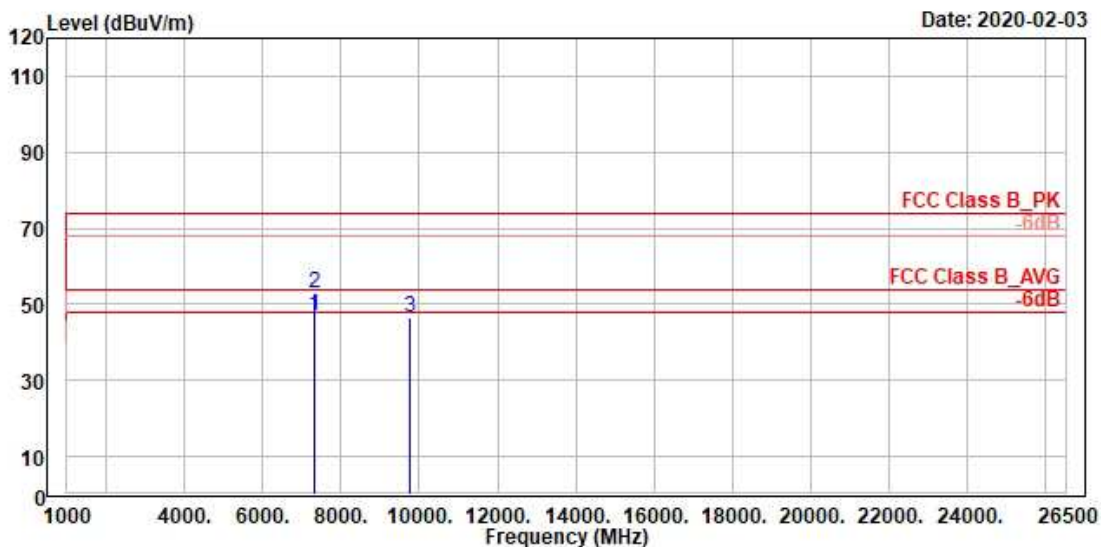
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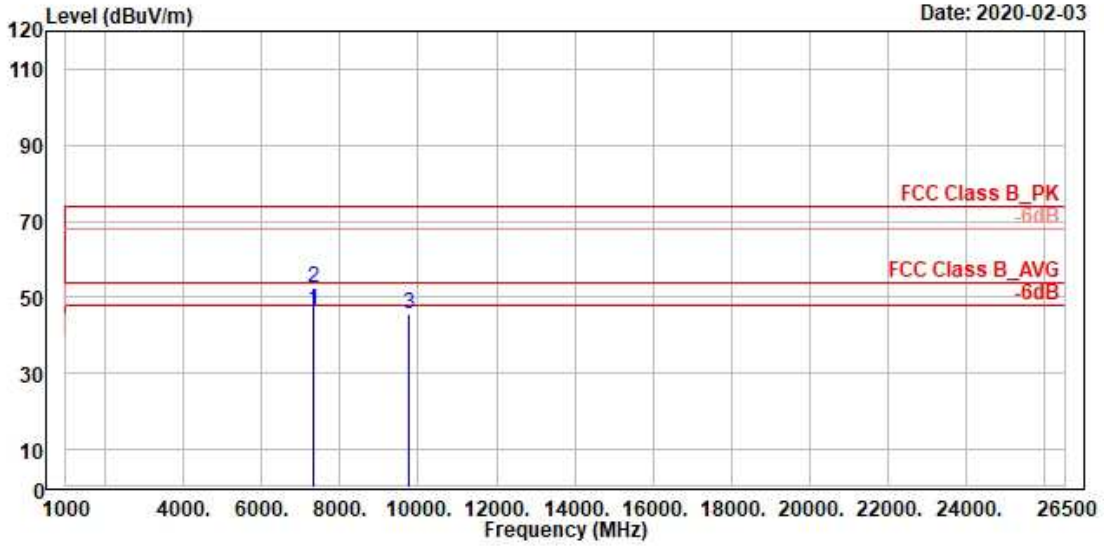
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 !	7206.000	48.09	54.91	-6.82	54.00	-5.91	242	356	Average	horizontal
2	7206.000	51.92	58.74	-6.82	74.00	-22.08	242	356	Peak	horizontal
3	9608.000	44.97	49.21	-4.24	74.00	-29.03	100	96	Peak	horizontal



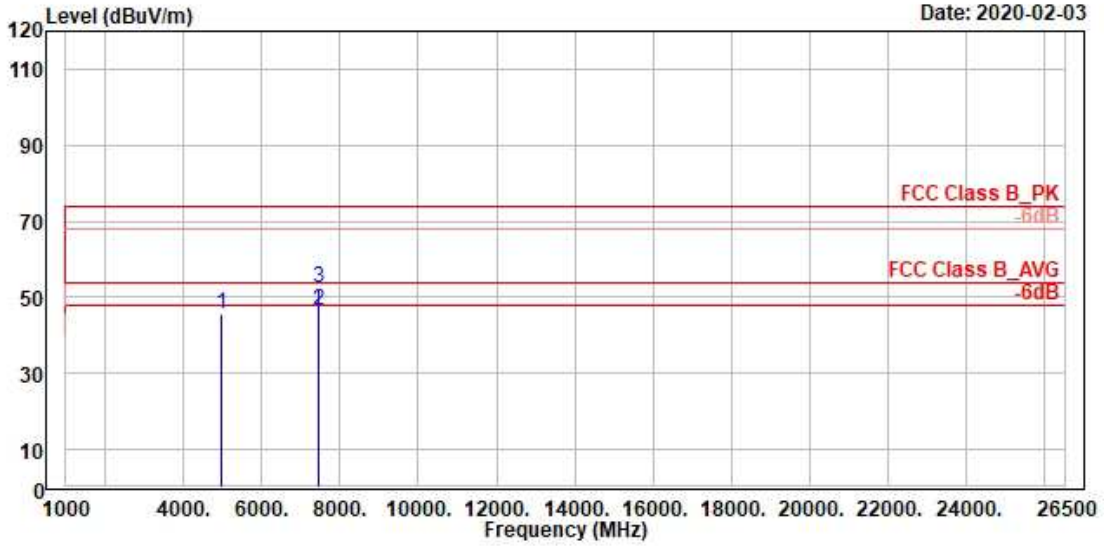
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7206.000	47.12	53.94	-6.82	54.00	-6.88	312	157	Average	vertical
2	7206.000	51.31	58.13	-6.82	74.00	-22.69	312	157	Peak	vertical
3	9608.000	44.71	48.95	-4.24	74.00	-29.29	300	192	Peak	vertical



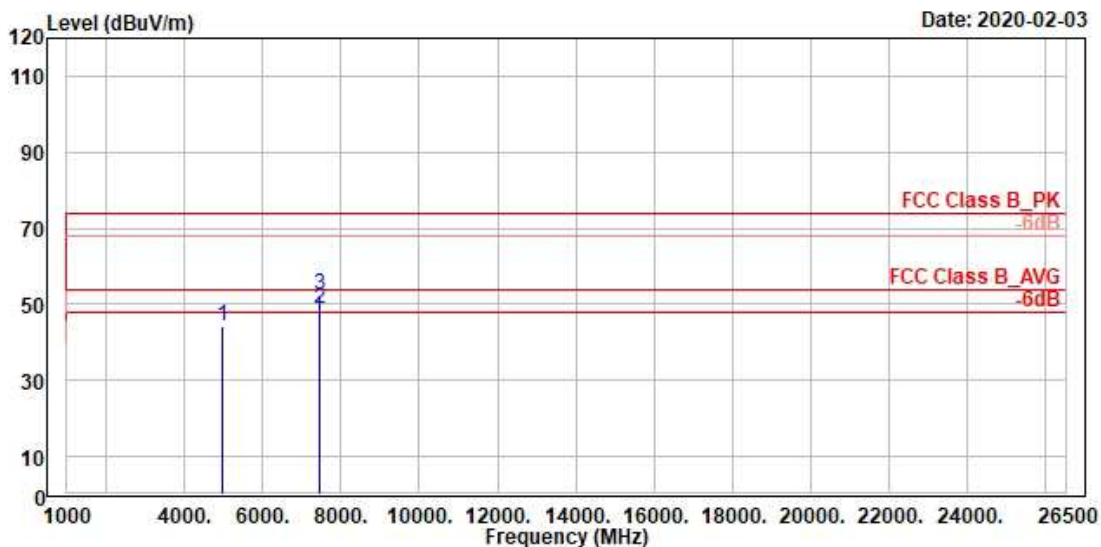
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7323.000	46.96	53.66	-6.70	54.00	-7.04	216	240	Average	horizontal
2	7323.000	52.79	59.49	-6.70	74.00	-21.21	216	240	Peak	horizontal
3	9763.000	46.66	50.53	-3.87	74.00	-27.34	100	67	Peak	horizontal



	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	7323.000	46.63	53.33	-6.70	54.00	-7.37	100	82	Average	vertical
2	7323.000	52.32	59.02	-6.70	74.00	-21.68	100	82	Peak	vertical
3	9763.000	45.85	49.72	-3.87	74.00	-28.15	100	125	Peak	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	4960.000	45.56	54.69	-9.13	74.00	-28.44	100	253	Peak	horizontal
2	7440.000	46.44	53.14	-6.70	54.00	-7.56	100	247	Average	horizontal
3	7440.000	52.47	59.17	-6.70	74.00	-21.53	100	247	Peak	horizontal

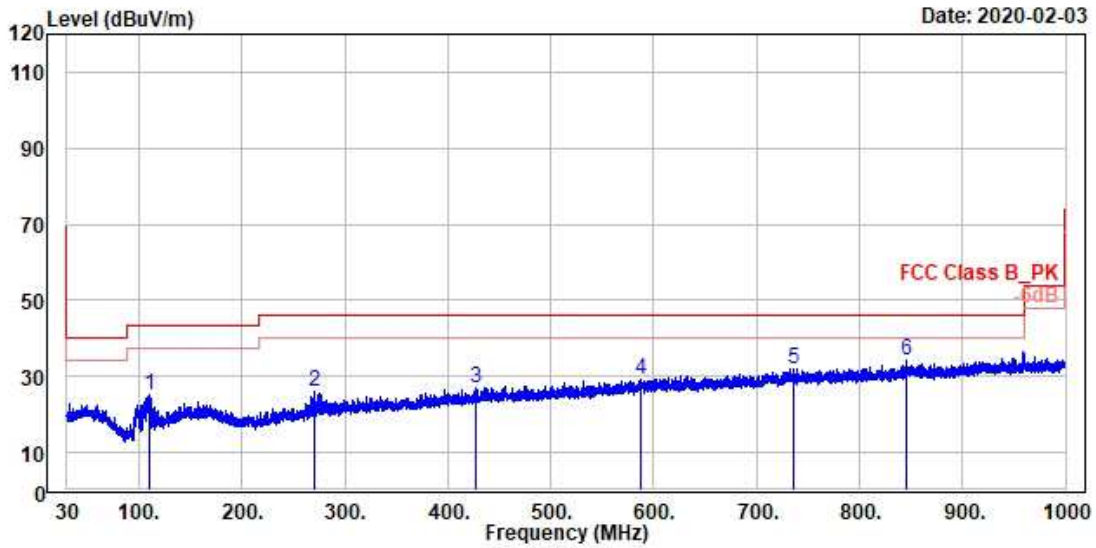


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	44.22	53.35	-9.13	74.00	-29.78	400	147	Peak	vertical
2	! 7440.000	48.89	55.59	-6.70	54.00	-5.11	303	168	Average	vertical
3	7440.000	52.48	59.18	-6.70	74.00	-21.52	303	168	Peak	vertical

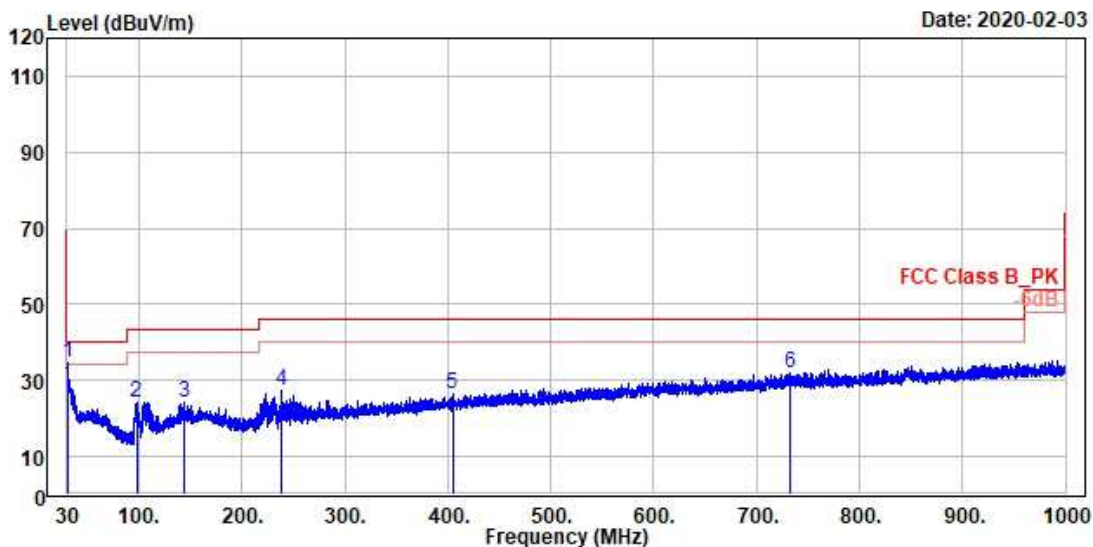
Spurious Emissions, TX Mode, 30M-1G(ANT 1M)



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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	109.443	25.02	34.64	-9.62	43.50	-18.48	263	0	QP	horizontal
2	270.657	25.81	31.65	-5.84	46.00	-20.19	119	360	QP	horizontal
3	427.409	26.83	29.43	-2.60	46.00	-19.17	300	265	QP	horizontal
4	587.750	29.07	29.22	-0.15	46.00	-16.93	200	236	QP	horizontal
5	735.481	32.14	30.12	2.02	46.00	-13.86	300	157	QP	horizontal
6	846.352	34.24	30.80	3.44	46.00	-11.76	170	360	QP	horizontal

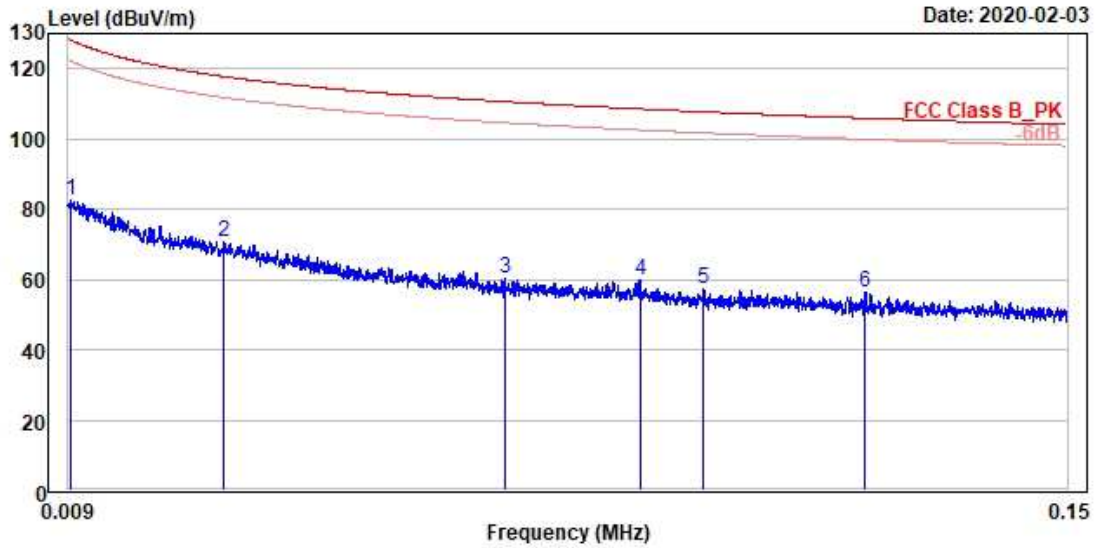


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 !	30.388	34.54	42.40	-7.86	40.00	-5.46	112	360	QP	vertical
2	97.512	24.28	35.80	-11.52	43.50	-19.22	300	360	QP	vertical
3	143.393	24.06	30.46	-6.40	43.50	-19.44	200	247	QP	vertical
4	238.841	27.48	34.37	-6.89	46.00	-18.52	100	291	QP	vertical
5	404.517	26.38	29.47	-3.09	46.00	-19.62	204	0	QP	vertical
6	732.959	32.09	30.15	1.94	46.00	-13.91	400	102	QP	vertical

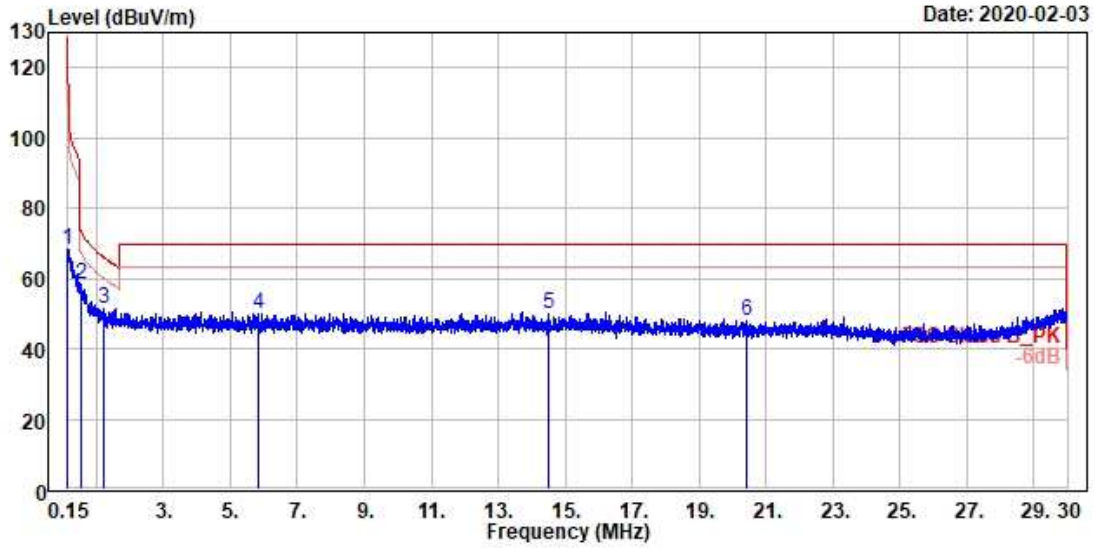
Spurious Emissions, TX Mode, 9k-30M(ANT 1M)



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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	0.009	82.49	2.91	79.58	128.19	-45.70	100	156	QP	vertical
2	0.031	70.77	0.36	70.41	117.75	-46.98	100	96	QP	vertical
3	0.071	60.15	-2.13	62.28	110.61	-50.46	100	89	QP	vertical
4	0.090	59.84	-0.63	60.47	108.54	-48.70	100	359	QP	vertical
5	0.099	57.19	-2.21	59.40	107.71	-50.52	100	46	QP	vertical
6	0.122	56.49	-1.51	58.00	105.90	-49.41	100	226	QP	vertical



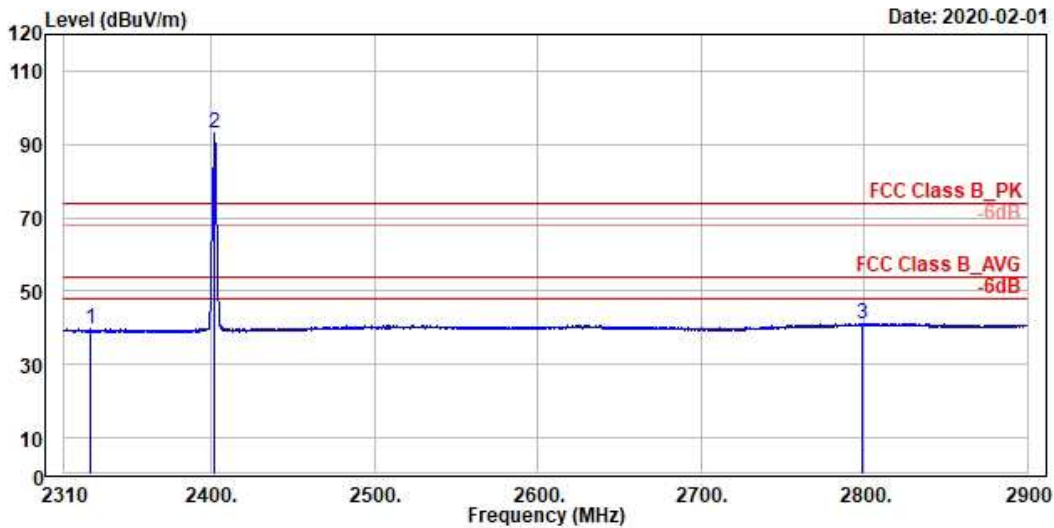
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.150	68.44	12.09	56.35	104.08	-35.64	100	27	QP	vertical
2	0.538	58.54	12.39	46.15	72.99	-14.45	100	174	QP	vertical
3	1.204	51.41	11.69	39.72	65.99	-14.58	100	314	QP	vertical
4	5.816	50.12	11.76	38.36	69.50	-19.38	100	347	QP	vertical
5	14.526	49.92	12.25	37.67	69.50	-19.58	100	268	QP	vertical
6	20.415	48.08	11.90	36.18	69.50	-21.42	100	236	QP	vertical

Spurious Emissions, Band Edges, 2.35-2.5G(Nordic Original 2M)

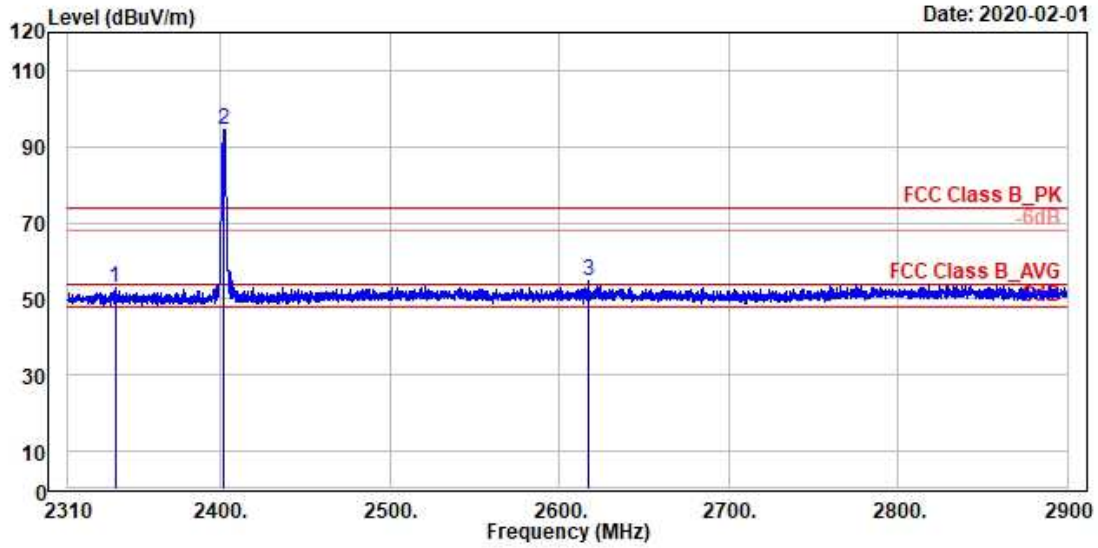
2402MHz Horizontal



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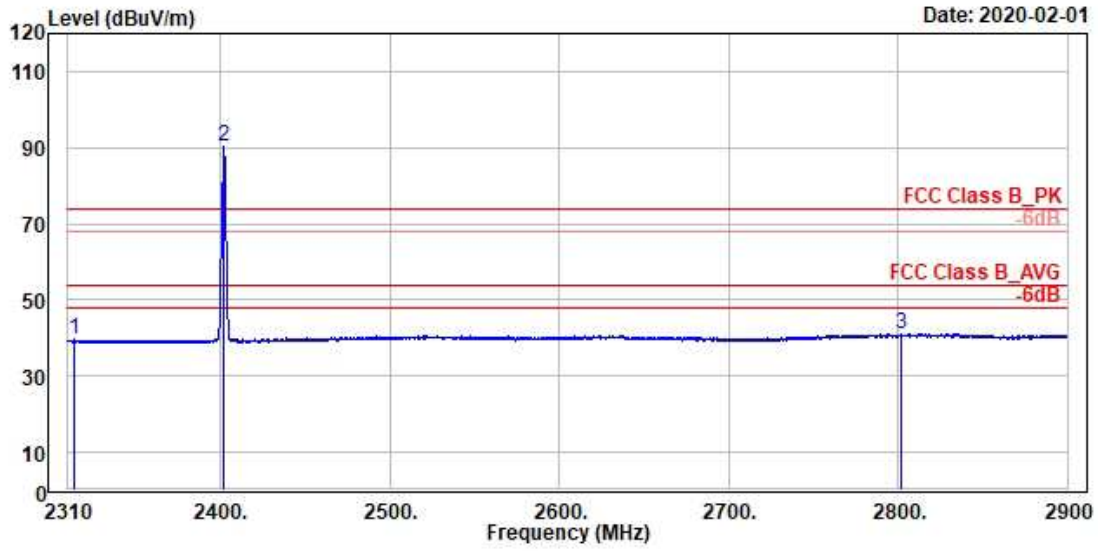
	Read	Limit	Over	APos	TPos	Remark	Pol/Phase			
Freq	Level	Level	Factor	Line	Limit					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2326.048	39.57	2.43	37.14	54.00	-14.43	100	191	Average	Horizontal
2 *	2402.000	93.03	55.88	37.15	54.00	39.03	100	191	Average	Horizontal
3	2798.638	41.21	3.09	38.12	54.00	-12.79	100	191	Average	Horizontal



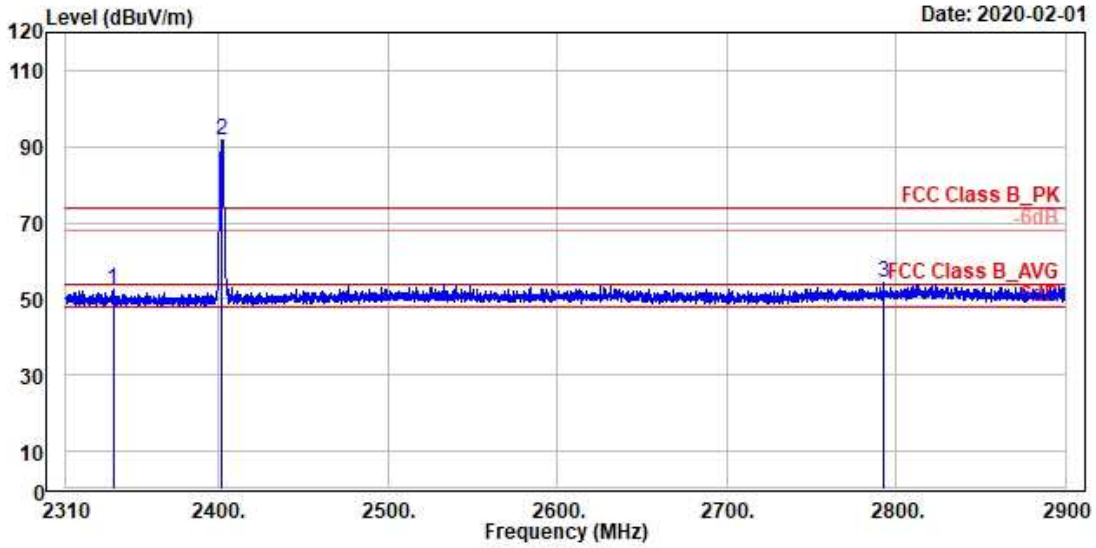
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2337.730	53.04	15.88	37.16	74.00	-20.96	100	191	Peak	Horizontal
2	* 2402.000	94.32	57.17	37.15	74.00	20.32	100	191	Peak	Horizontal
3	2617.272	54.55	16.85	37.70	74.00	-19.45	100	191	Peak	Horizontal



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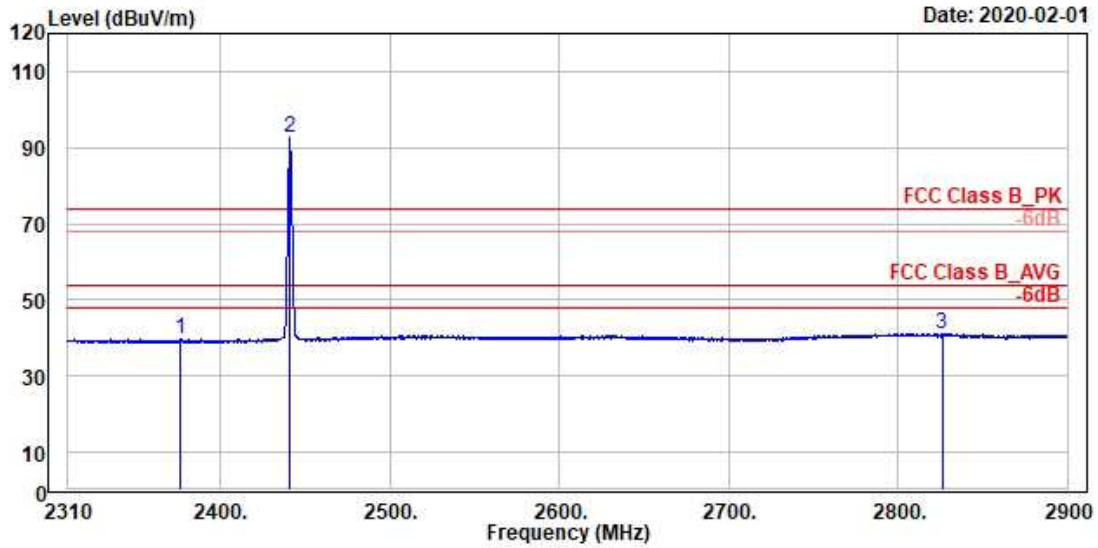
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2313.304	39.60	2.47	37.13	54.00	-14.40	274	247	Average	Vertical
2 *	2402.000	90.43	53.28	37.15	54.00	36.43	274	247	Average	Vertical
3	2801.588	41.06	2.93	38.13	54.00	-12.94	274	247	Average	Vertical



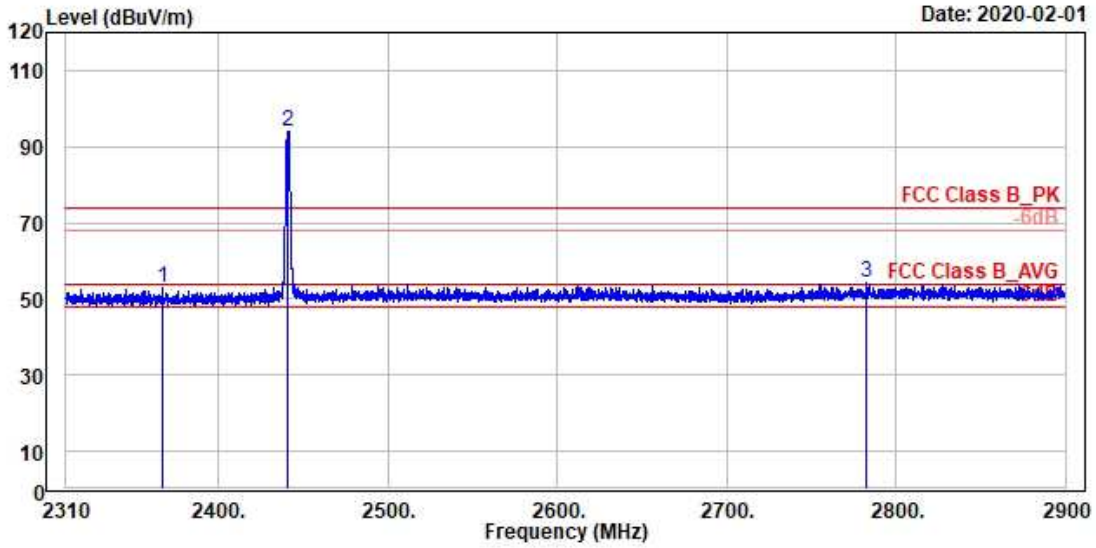
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2337.730	52.45	15.29	37.16	74.00	-21.55	274	247	Peak	Vertical
2	* 2402.000	91.71	54.56	37.15	74.00	17.71	274	247	Peak	Vertical
3	2793.210	54.42	16.30	38.12	74.00	-19.58	274	247	Peak	Vertical



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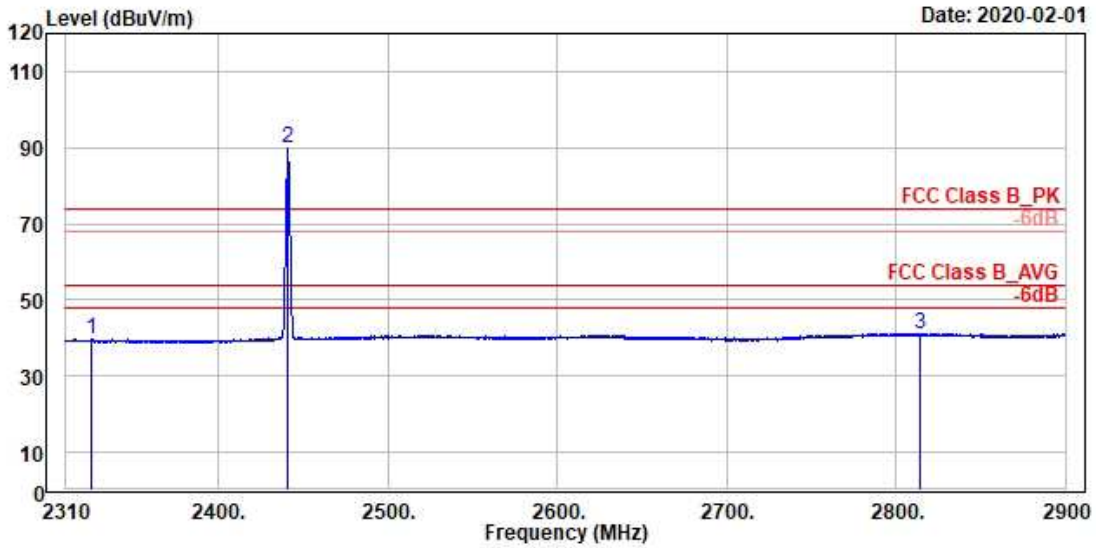
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2376.670	39.58	2.42	37.16	54.00	-14.42	100	191	Average	Horizontal
2 *	2441.000	92.57	55.22	37.35	54.00	38.57	100	191	Average	Horizontal
3	2826.132	41.14	3.03	38.11	54.00	-12.86	100	191	Average	Horizontal



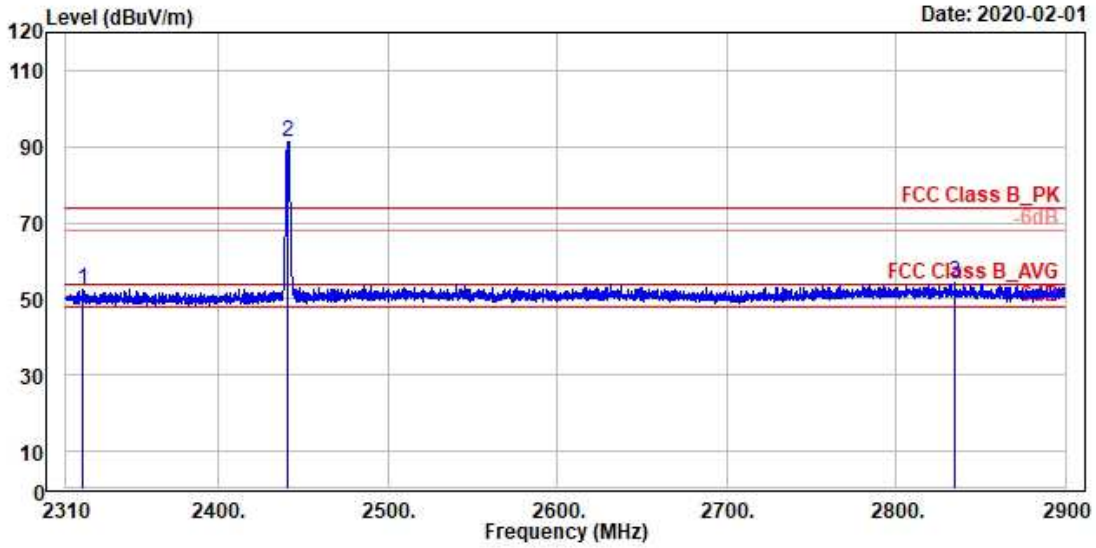
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1	2367.112	52.81	15.64	37.17	74.00	-21.19	100	191	Peak	Horizontal
2	* 2441.000	93.86	56.51	37.35	74.00	19.86	100	191	Peak	Horizontal
3	2782.354	54.24	16.14	38.10	74.00	-19.76	100	191	Peak	Horizontal



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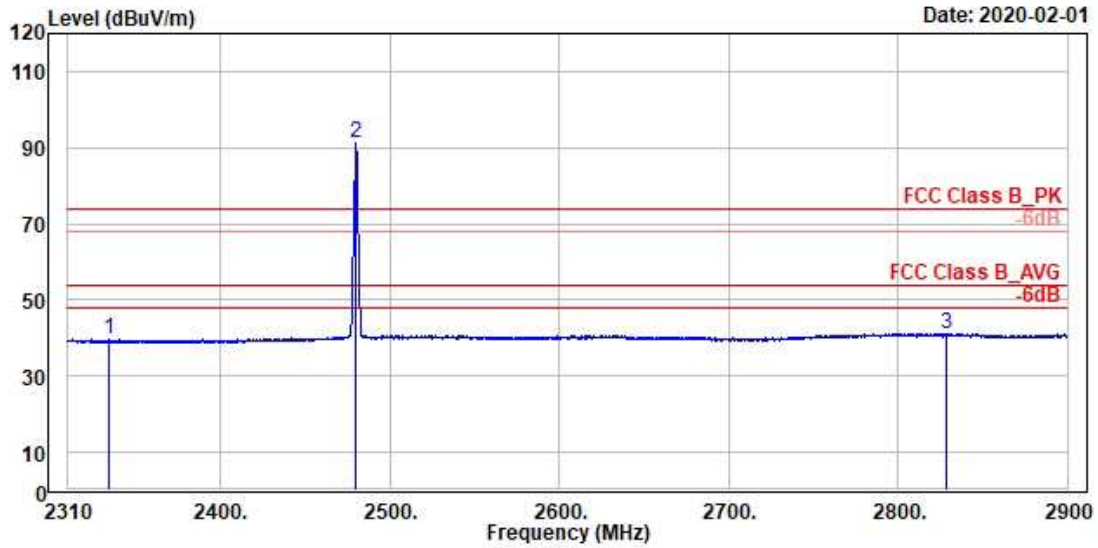
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2324.514	39.65	2.51	37.14	54.00	-14.35	271	248	Average	Vertical
2 *	2441.000	89.84	52.49	37.35	54.00	35.84	271	248	Average	Vertical
3	2813.978	41.25	3.14	38.11	54.00	-12.75	271	248	Average	Vertical



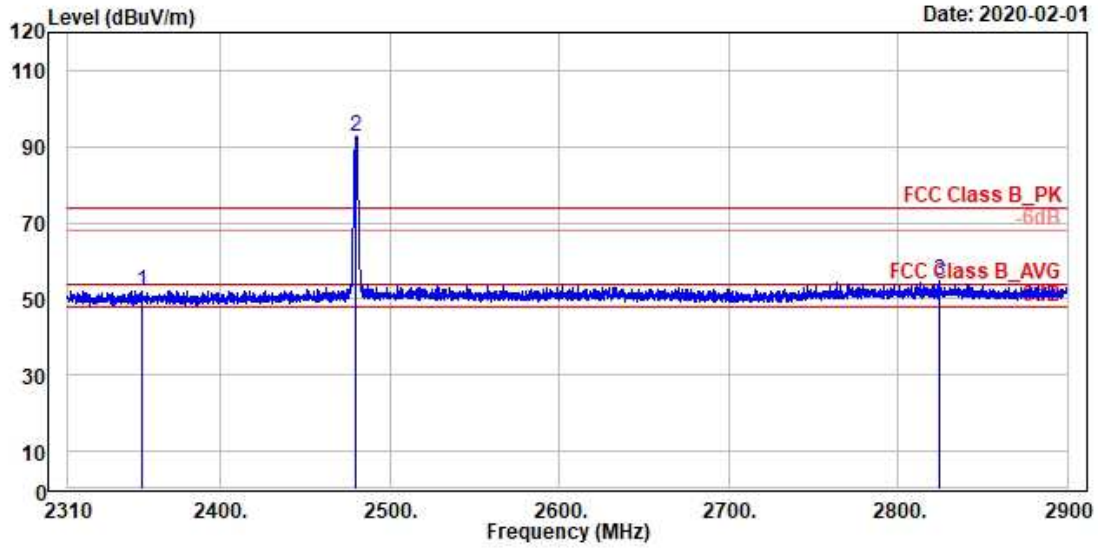
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1	2320.148	52.34	15.20	37.14	74.00	-21.66	271	248	Peak	Vertical
2 *	2441.000	91.17	53.82	37.35	74.00	17.17	271	248	Peak	Vertical
3	2834.982	54.28	16.18	38.10	74.00	-19.72	271	248	Peak	Vertical



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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	2334.072	39.82	2.67	37.15	54.00	-14.18	172	193	Average	Horizontal
2 *	2480.000	91.32	53.76	37.56	54.00	37.32	172	193	Average	Horizontal
3	2828.728	41.22	3.12	38.10	54.00	-12.78	172	193	Average	Horizontal

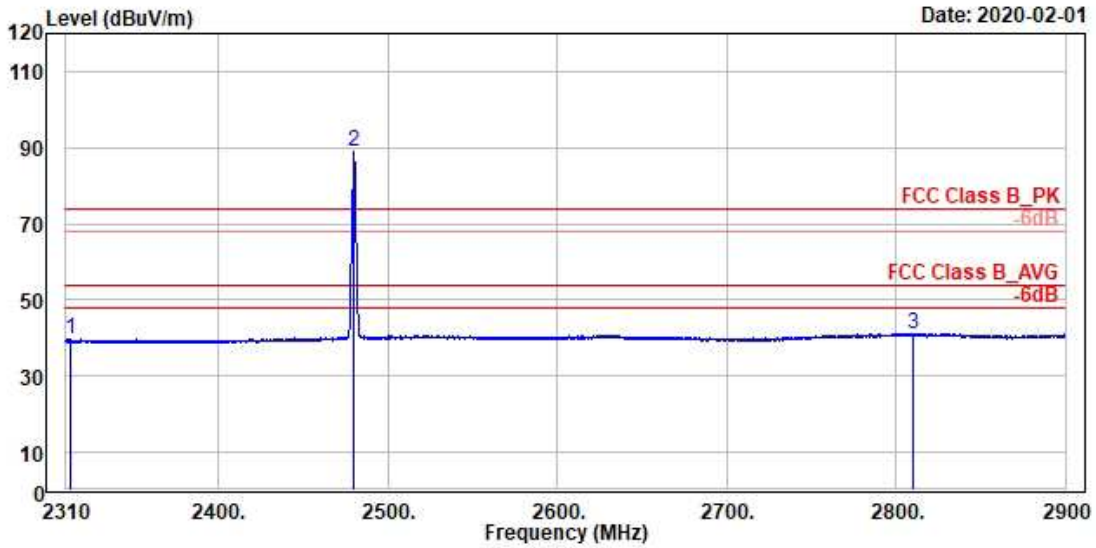


Date: 2020-02-01

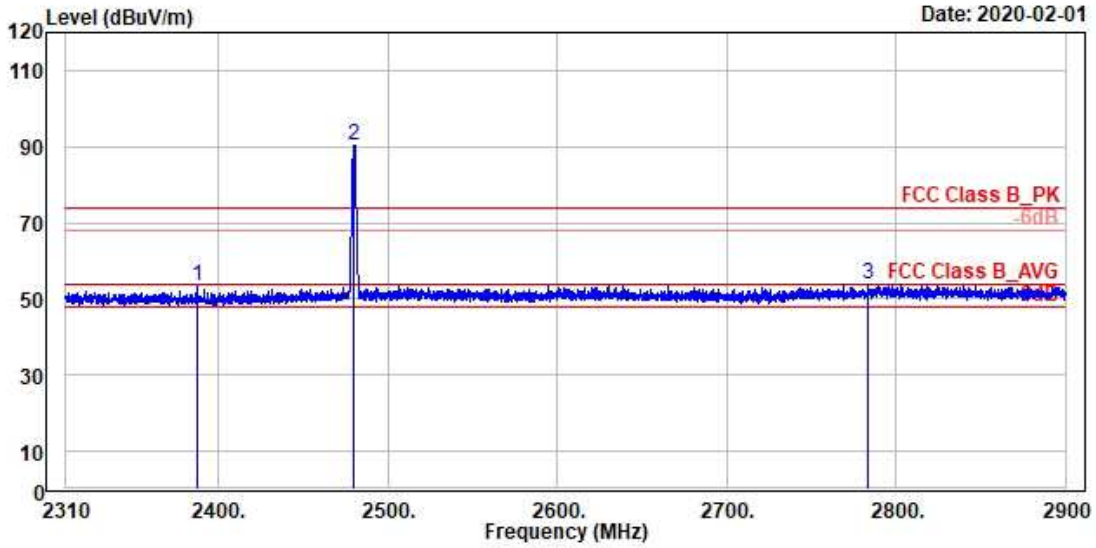
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2353.778	52.21	15.04	37.17	74.00	-21.79	172	193	Peak	Horizontal
2 *	2480.000	92.64	55.08	37.56	74.00	18.64	172	193	Peak	Horizontal
3	2824.598	54.71	16.60	38.11	74.00	-19.29	172	193	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	2312.596	39.63	2.50	37.13	54.00	-14.37	400	324	Average	Vertical
2 *	2480.000	88.88	51.32	37.56	54.00	34.88	400	324	Average	Vertical
3	2809.848	41.04	2.92	38.12	54.00	-12.96	400	324	Average	Vertical

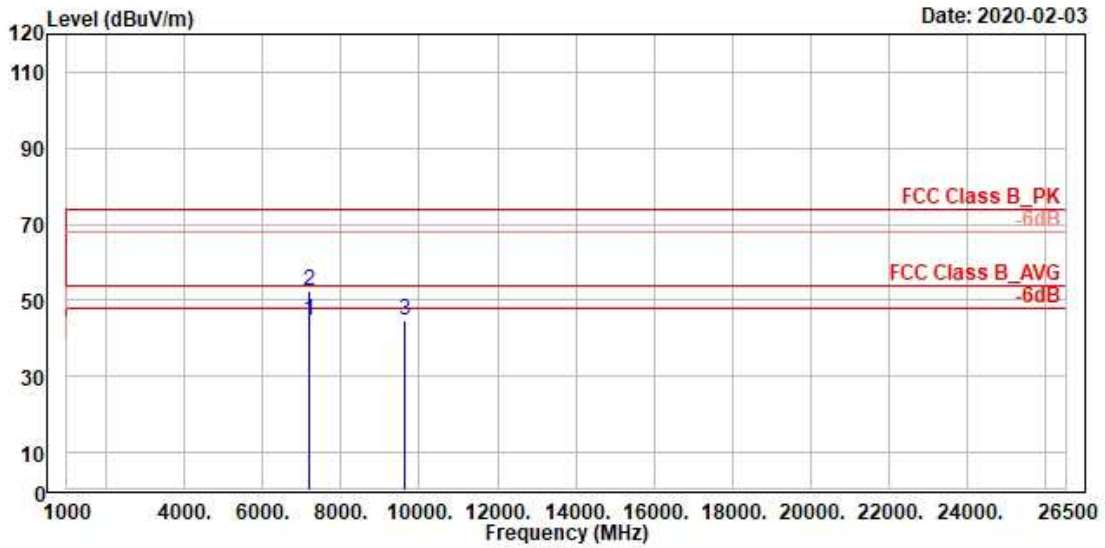


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2387.054	53.27	16.12	37.15	74.00	-20.73	400	324	Peak	Vertical
2	* 2480.000	90.22	52.66	37.56	74.00	16.22	400	324	Peak	Vertical
3	2783.534	53.74	15.63	38.11	74.00	-20.26	400	324	Peak	Vertical

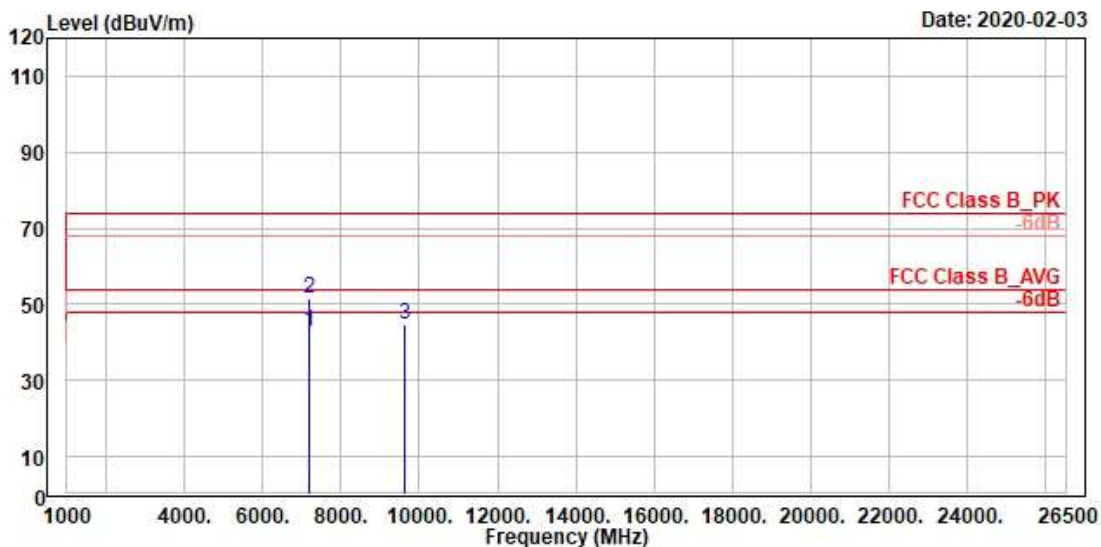
Spurious Emissions, TX Mode, 1-26.5G(Nordic Original 2M)



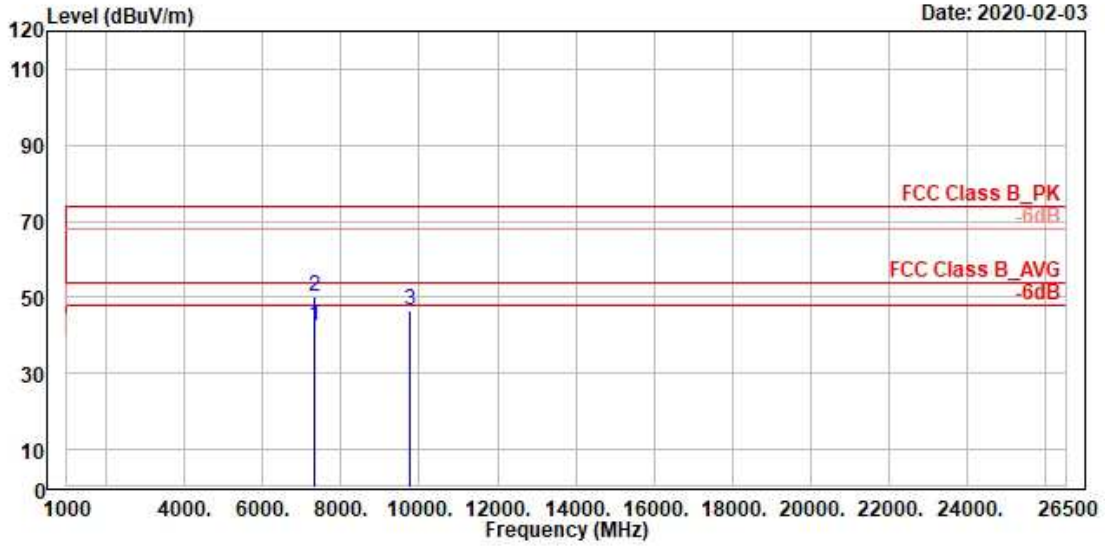
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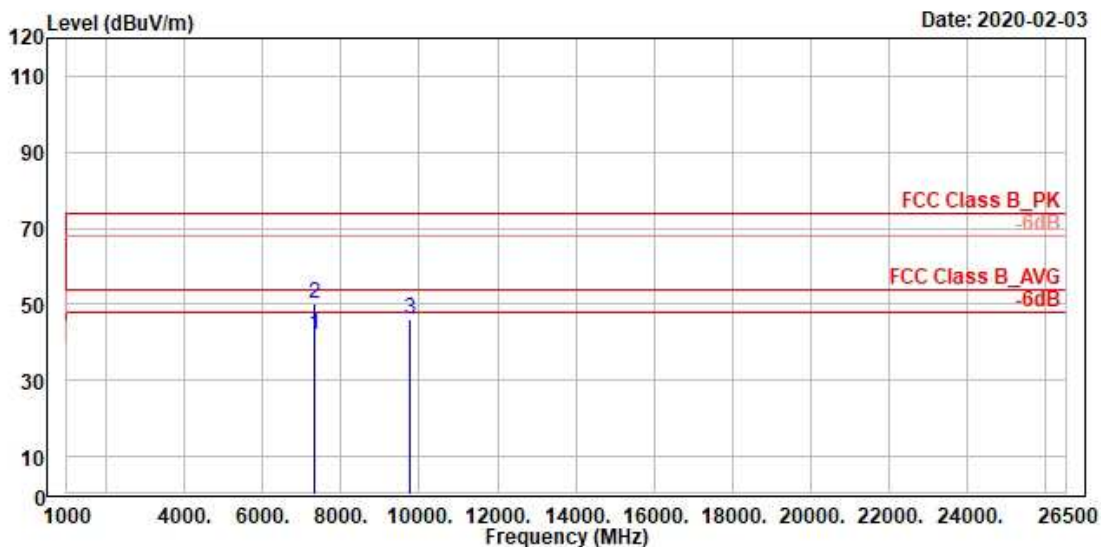
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7206.000	44.58	51.40	-6.82	54.00	-9.42	242	356	Average	horizontal
2	7206.000	52.58	59.40	-6.82	74.00	-21.42	242	356	Peak	horizontal
3	9608.000	44.72	48.96	-4.24	74.00	-29.28	100	123	Peak	horizontal



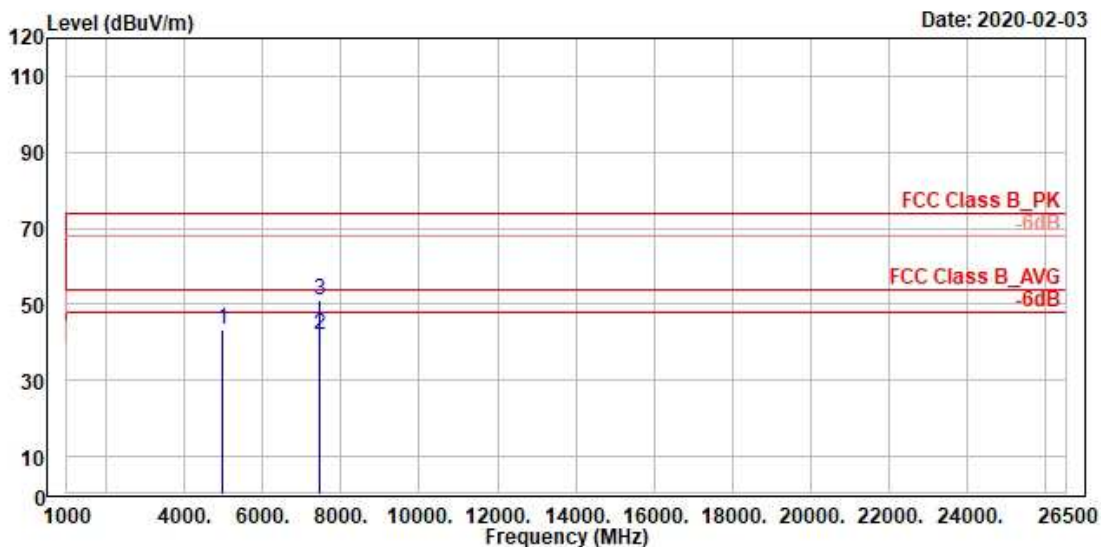
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7206.000	43.06	49.88	-6.82	54.00	-10.94	312	157	Average	vertical
2	7206.000	51.78	58.60	-6.82	74.00	-22.22	312	157	Peak	vertical
3	9608.000	44.74	48.98	-4.24	74.00	-29.26	385	360	Peak	vertical



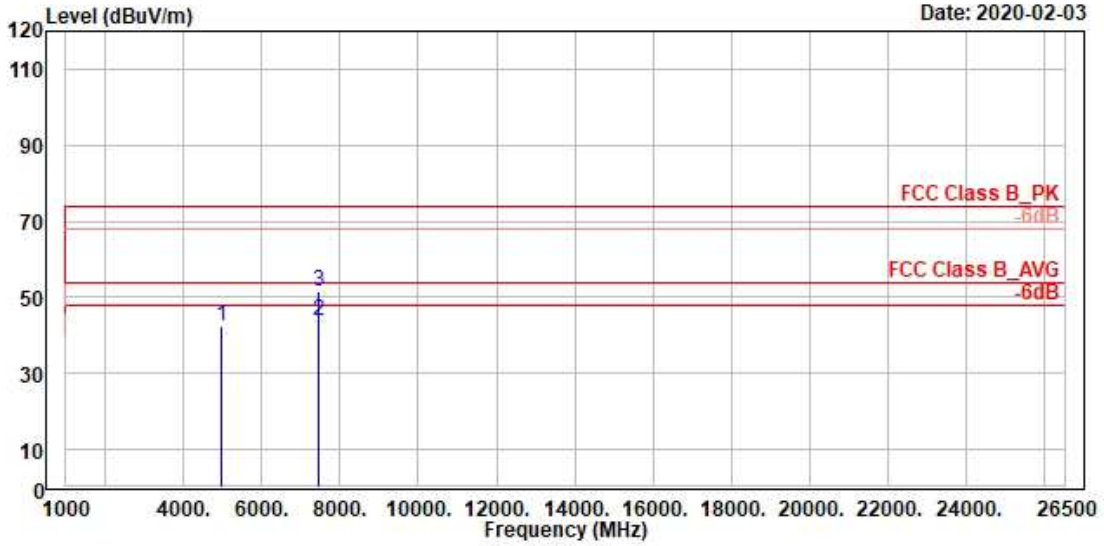
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7323.000	42.48	49.18	-6.70	54.00	-11.52	100	352	Average	horizontal
2	7323.000	50.32	57.02	-6.70	74.00	-23.68	100	352	Peak	horizontal
3	9764.000	46.58	50.45	-3.87	74.00	-27.42	100	64	Peak	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	7323.000	42.09	48.79	-6.70	54.00	-11.91	100	106	Average	vertical
2	7323.000	50.10	56.80	-6.70	74.00	-23.90	100	106	Peak	vertical
3	9764.000	46.23	50.10	-3.87	74.00	-27.77	300	186	Peak	vertical

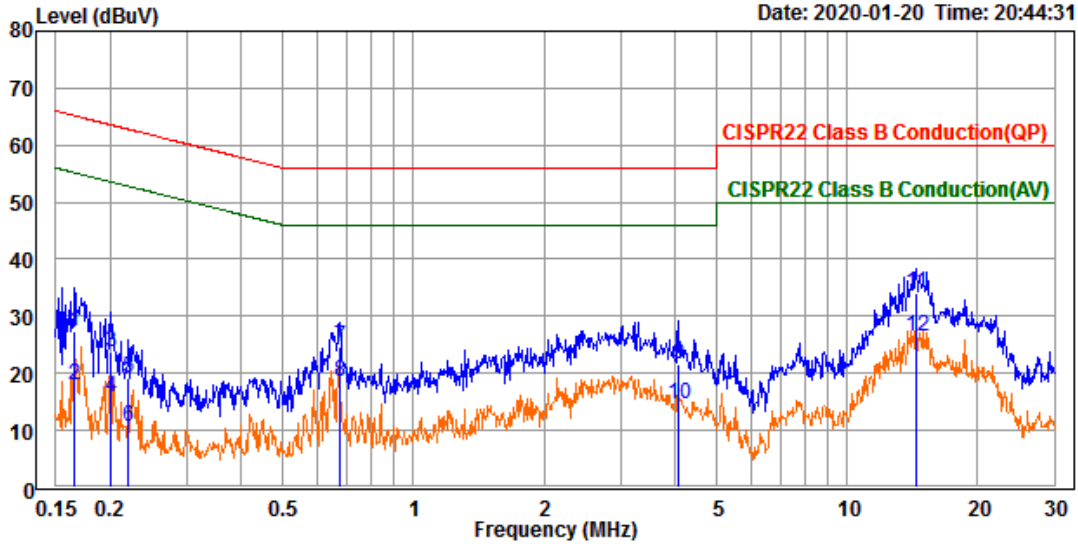


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	43.50	52.63	-9.13	74.00	-30.50	100	284	Peak	horizontal
2	7440.000	41.89	48.59	-6.70	54.00	-12.11	102	69	Average	horizontal
3	7440.000	50.95	57.65	-6.70	74.00	-23.05	102	69	Peak	horizontal



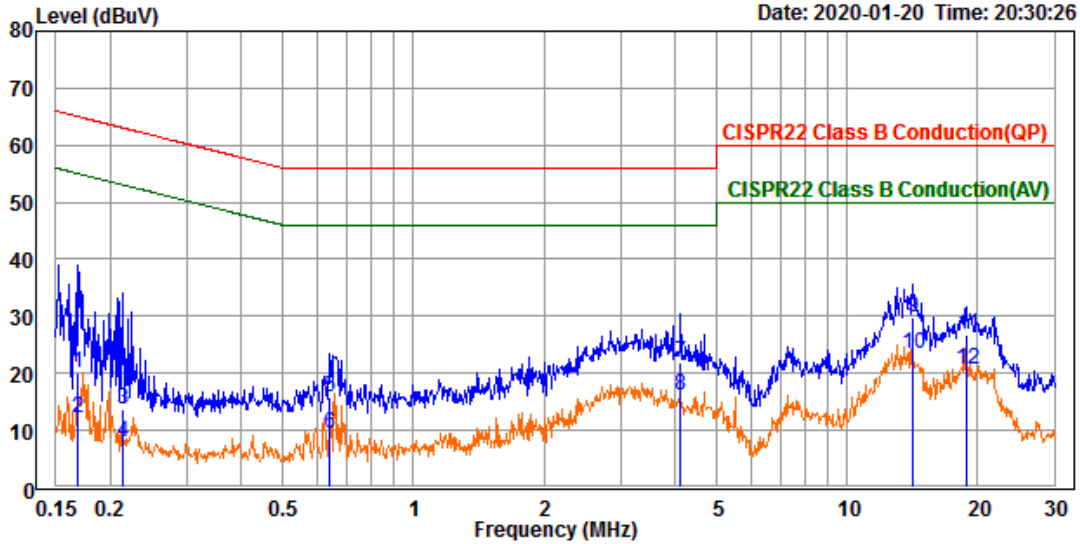
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	42.54	51.67	-9.13	74.00	-31.46	300	97	Peak	vertical
2	7440.000	43.85	50.55	-6.70	54.00	-10.15	300	164	Average	vertical
3	7440.000	51.70	58.40	-6.70	74.00	-22.30	300	164	Peak	vertical

Mains Spurious Emissions



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

	Read Freq	Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.166	17.80	9.62	27.42	65.17	-37.75	QP
2	0.166	8.39	9.62	18.01	55.17	-37.16	Average
3	0.201	14.21	9.62	23.83	63.56	-39.73	QP
4	0.201	6.06	9.62	15.68	53.56	-37.88	Average
5	0.220	9.58	9.62	19.20	62.81	-43.61	QP
6	0.220	1.07	9.62	10.69	52.81	-42.12	Average
7	0.676	15.08	9.63	24.71	56.00	-31.29	QP
8	0.676	8.82	9.63	18.45	46.00	-27.55	Average
9	4.065	11.92	9.68	21.60	56.00	-34.40	QP
10	4.065	4.78	9.68	14.46	46.00	-31.54	Average
11	14.418	24.22	9.78	34.00	60.00	-26.00	QP
12	14.418	16.71	9.78	26.49	50.00	-23.51	Average



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

	Read Freq	Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.168	10.46	9.61	20.07	65.05	-44.98	QP
2	0.168	2.43	9.61	12.04	55.05	-43.01	Average
3	0.215	4.10	9.61	13.71	63.02	-49.31	QP
4	0.215	-1.74	9.61	7.87	53.02	-45.15	Average
5	0.643	6.14	9.62	15.76	56.00	-40.24	QP
6	0.643	-0.11	9.62	9.51	46.00	-36.49	Average
7	4.127	12.14	9.67	21.81	56.00	-34.19	QP
8	4.127	6.44	9.67	16.11	46.00	-29.89	Average
9	14.134	19.91	9.75	29.66	60.00	-30.34	QP
10	14.134	13.73	9.75	23.48	50.00	-26.52	Average
11	18.872	17.04	9.79	26.83	60.00	-33.17	QP
12	18.872	10.98	9.79	20.77	50.00	-29.23	Average