

Test Report No.50323281 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50323281 001Appendix D)

Contents

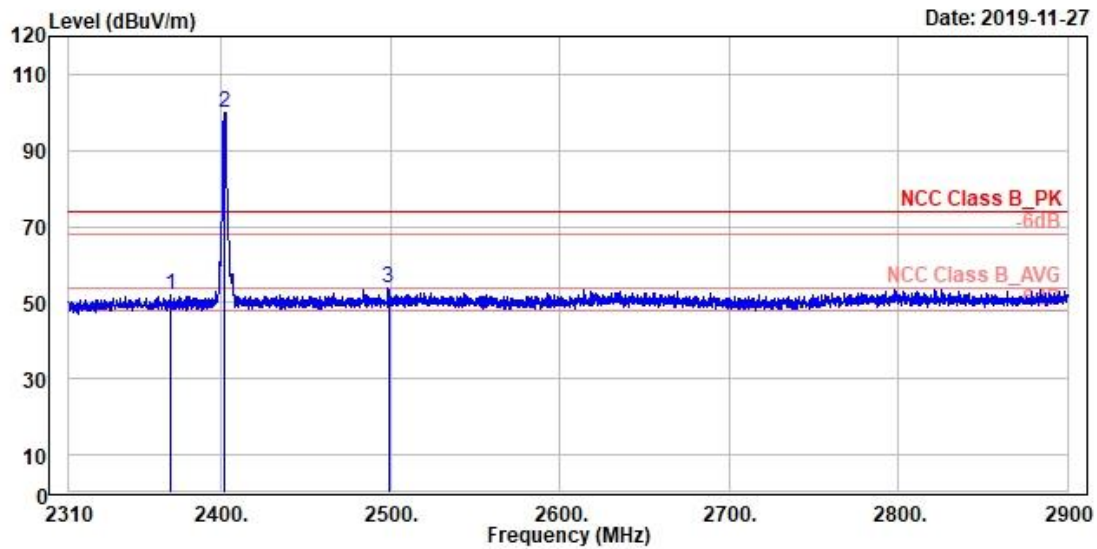
Spurious Emissions, Bandedge.....	2
Spurious Emissions, TX Mode, 9kHz-30MHz.....	14
Spurious Emissions, TX Mode, 30MHz-1GHz.....	16
Spurious Emissions, TX Mode, 1GHz-26.5GHz.....	18
Spurious Emissions, RX Mode, 9kHz-30MHz	24
Spurious Emissions, RX Mode, 30MHz-1GHz.....	26
Spurious Emissions, RX Mode, 1GHz-26.5GHz	28
Spurious Emissions, AC Mains	30

Spurious Emissions, Bandedge

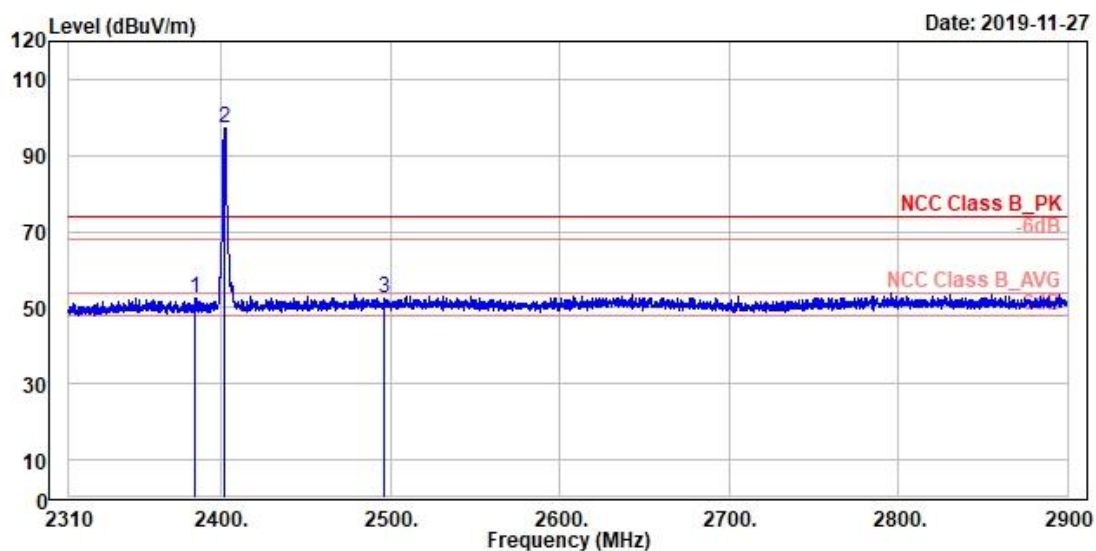
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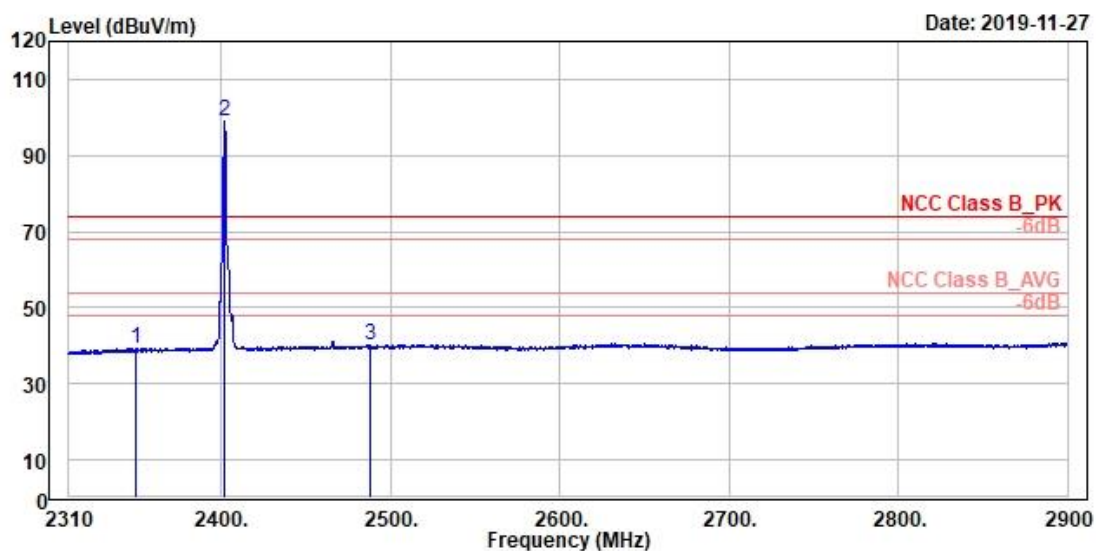
TUV Rheinland Taiwan Ltd.
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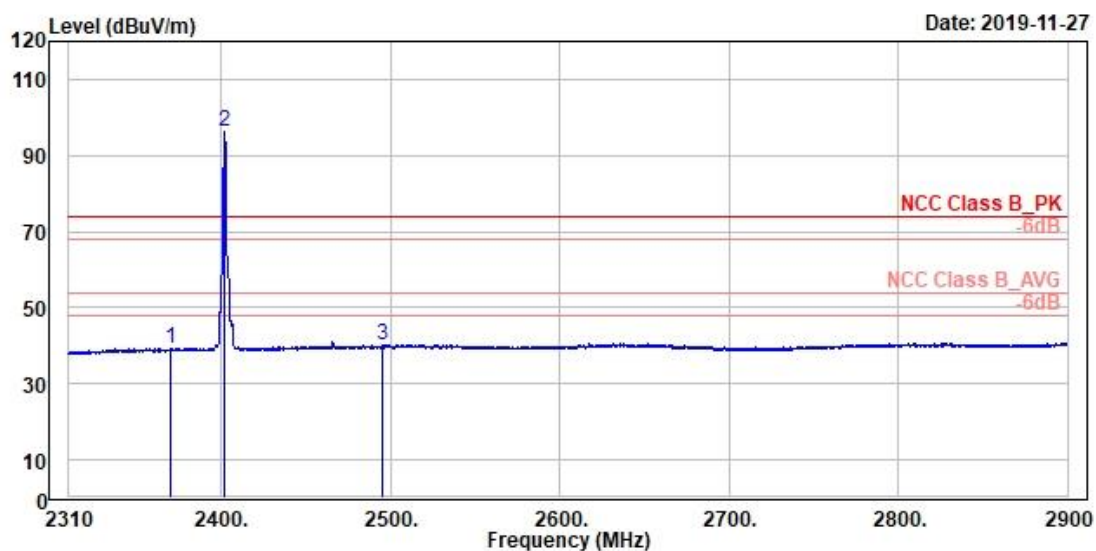
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1	2369.71	52.02	14.65	37.37	74.00	-21.98	128	308 Peak	Horizontal
2 *	2402.00	100.08	62.60	37.48	74.00	26.08	128	308 Peak	Horizontal
3	2498.80	53.78	16.00	37.78	74.00	-20.22	128	308 Peak	Horizontal



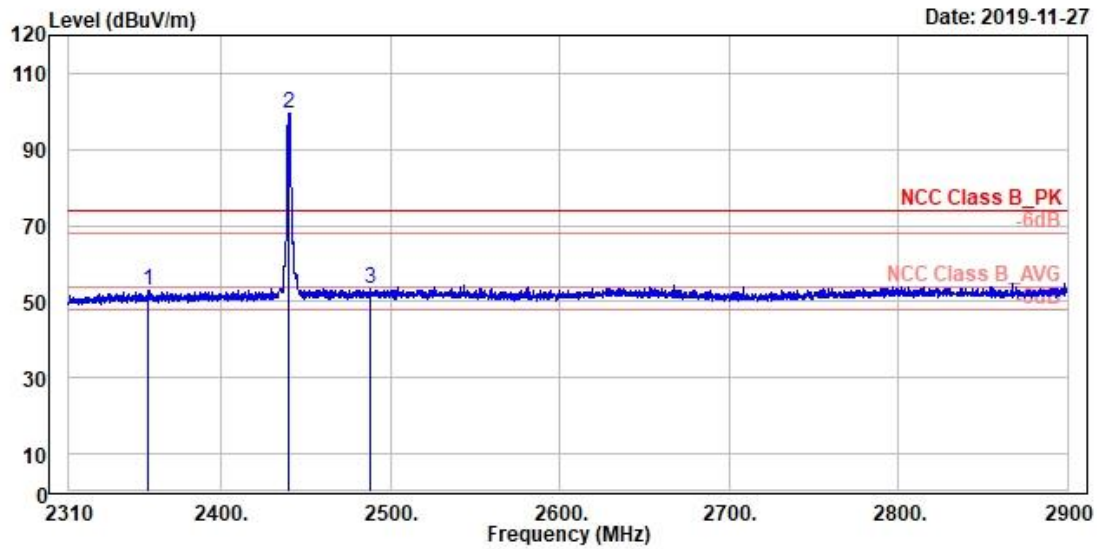
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			Factor						
						cm	deg		
1	2384.22	52.65	15.23	37.42	74.00	-21.35	119	347 Peak	Vertical
2 *	2402.00	97.24	59.76	37.48	74.00	23.24	119	347 Peak	Vertical
3	2496.32	52.52	14.74	37.78	74.00	-21.48	119	347 Peak	Vertical



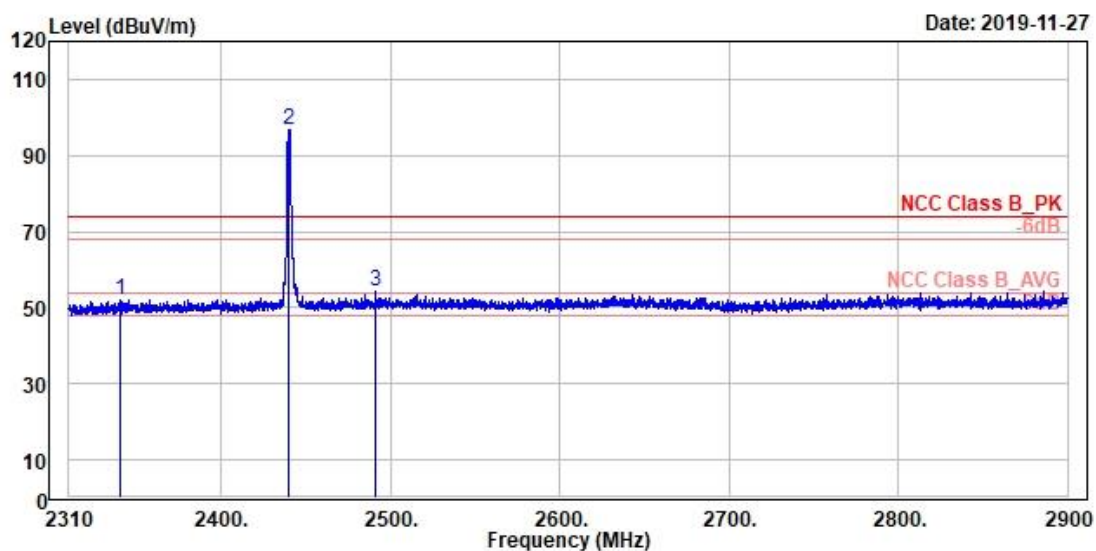
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			Factor						
			dB/m	dBuV/m	dB	cm	deg		
1	2349.77	39.39	2.08	37.31	54.00	-14.61	128	308 Average	Horizontal
2 *	2402.00	99.01	61.53	37.48	54.00	45.01	128	308 Average	Horizontal
3	2487.71	40.20	2.43	37.77	54.00	-13.80	128	308 Average	Horizontal



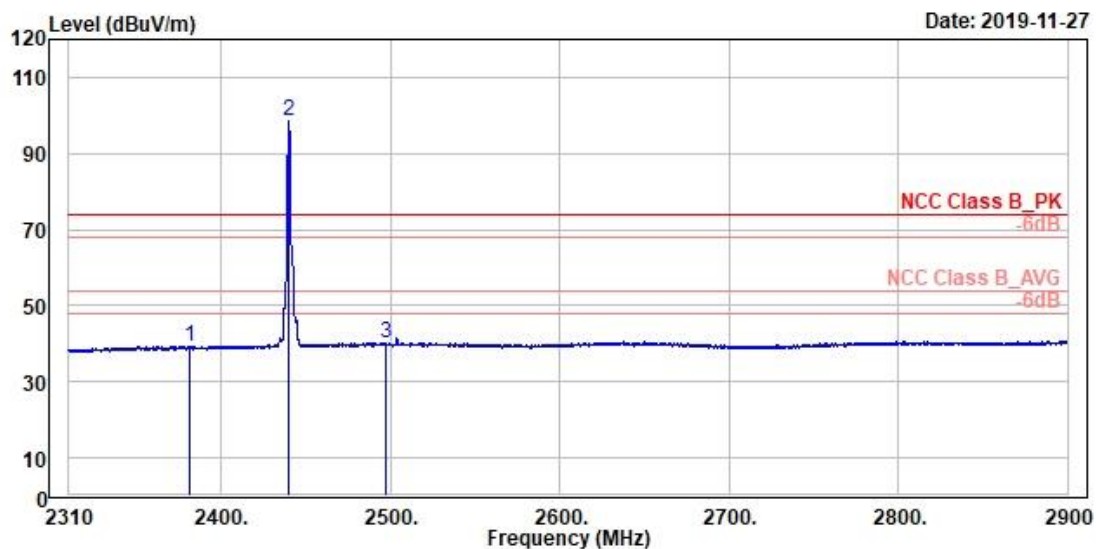
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	MHz	dBuV/m	Level	Line	Limit				
			Factor						
						cm	deg		
1	2369.94	39.25	1.88	37.37	54.00	-14.75	119	347 Average	Vertical
2 *	2402.00	96.23	58.75	37.48	54.00	42.23	119	347 Average	Vertical
3	2495.14	40.10	2.33	37.77	54.00	-13.90	119	347 Average	Vertical



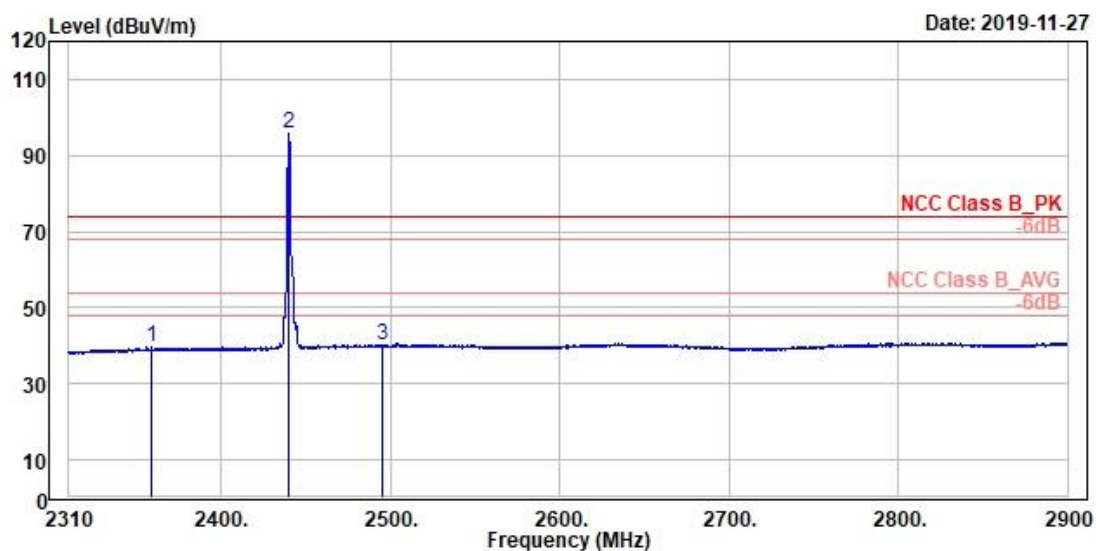
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1	2357.20	52.90	15.58	37.32	74.00	-21.10	126	305	Peak	Horizontal
2 *	2440.00	99.50	61.83	37.67	74.00	25.50	126	305	Peak	Horizontal
3	2488.53	53.35	15.58	37.77	74.00	-20.65	126	305	Peak	Horizontal



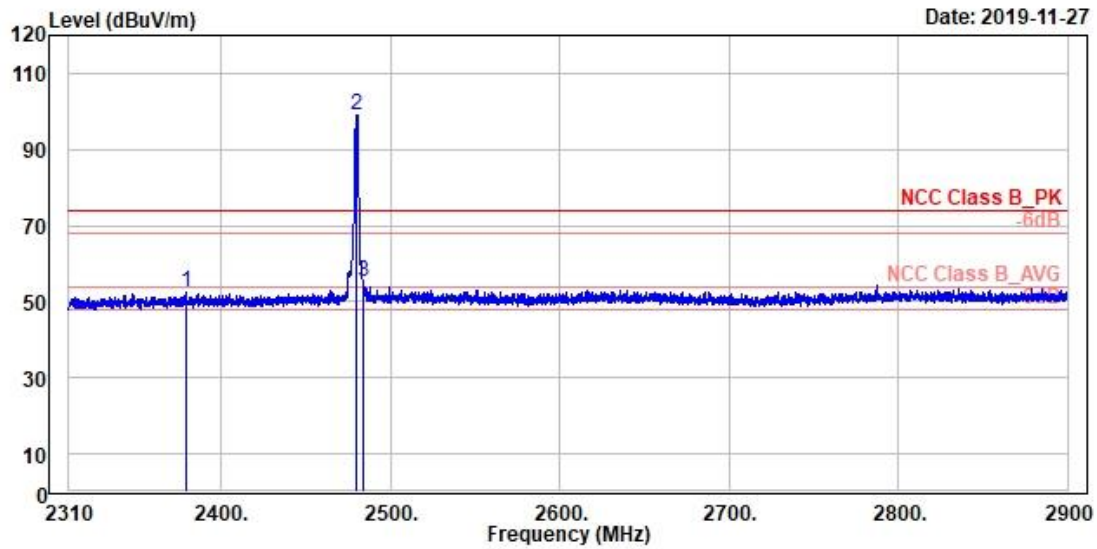
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2340.68	52.13	15.02	37.11	74.00	-21.87	102	345	Peak	Vertical
2 *	2440.00	96.93	59.26	37.67	74.00	22.93	102	345	Peak	Vertical
3	2490.89	54.08	16.31	37.77	74.00	-19.92	102	345	Peak	Vertical



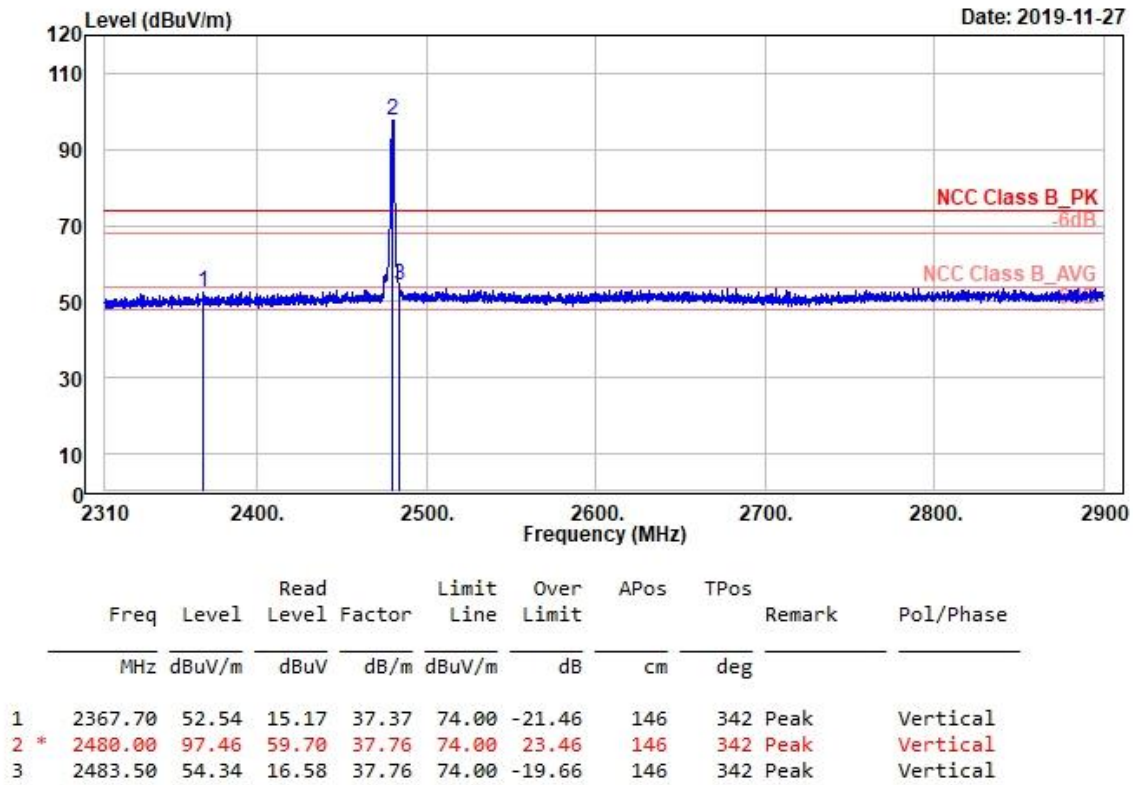
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	MHz	dBuV/m	Level	Factor	Line	Limit			
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2381.27	39.29	1.89	37.40	54.00	-14.71	126	305 Average	Horizontal
2 *	2440.00	98.45	60.78	37.67	54.00	44.45	126	305 Average	Horizontal
3	2497.15	40.09	2.31	37.78	54.00	-13.91	126	305 Average	Horizontal

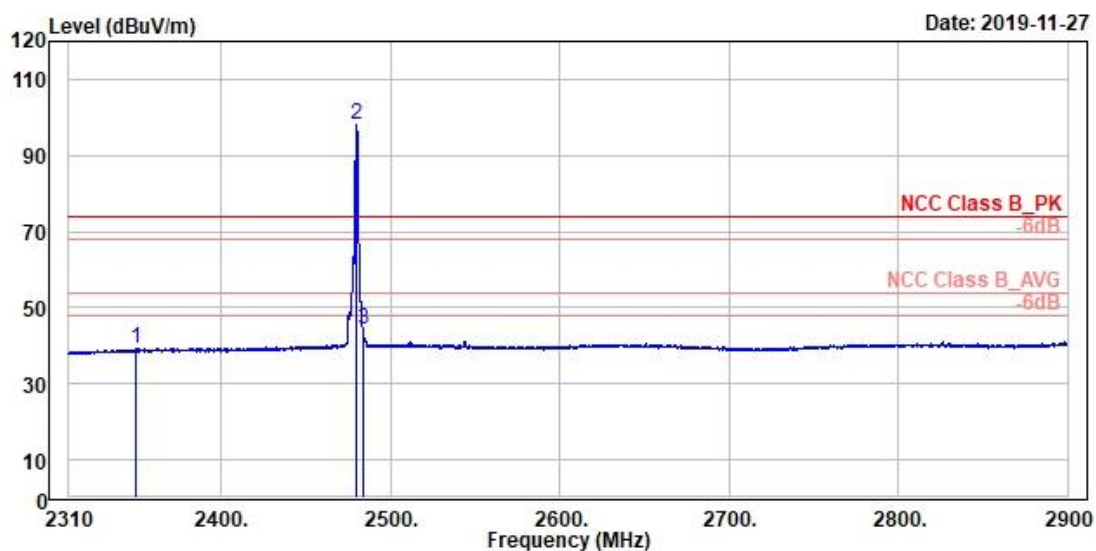


	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	Level	Factor	Line	Limit			
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2358.50	39.54	2.20	37.34	54.00	-14.46	102	345 Average	Vertical
2 *	2440.00	95.98	58.31	37.67	54.00	41.98	102	345 Average	Vertical
3	2495.38	40.23	2.46	37.77	54.00	-13.77	102	345 Average	Vertical

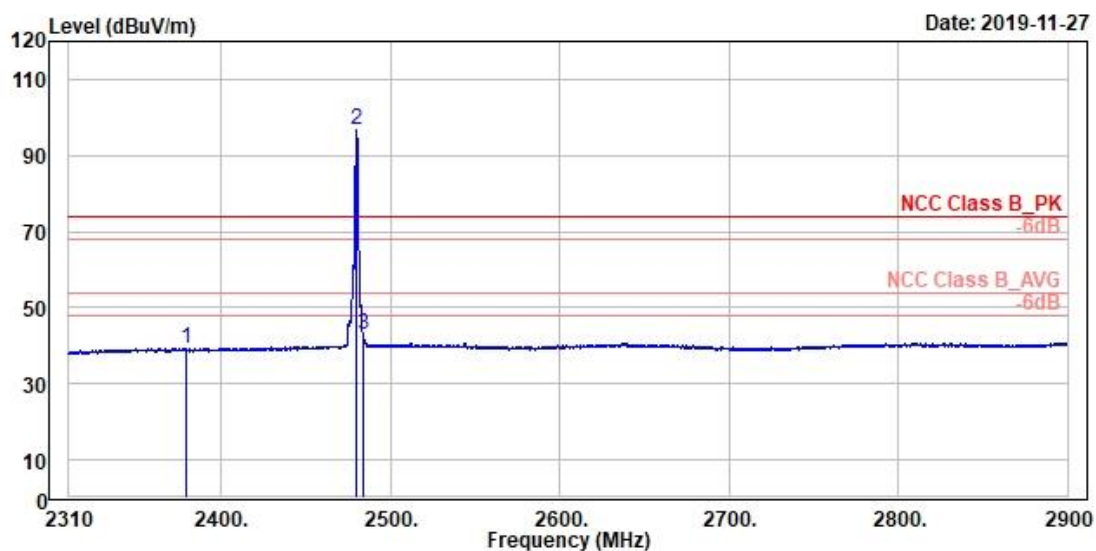


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	MHz	dBuV/m	Level	Factor	Line	Limit			
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2379.50	52.33	14.93	37.40	74.00	-21.67	108	302 Peak	Horizontal
2 *	2480.00	99.14	61.38	37.76	74.00	25.14	108	302 Peak	Horizontal
3	2483.50	55.03	17.27	37.76	74.00	-18.97	108	302 Peak	Horizontal



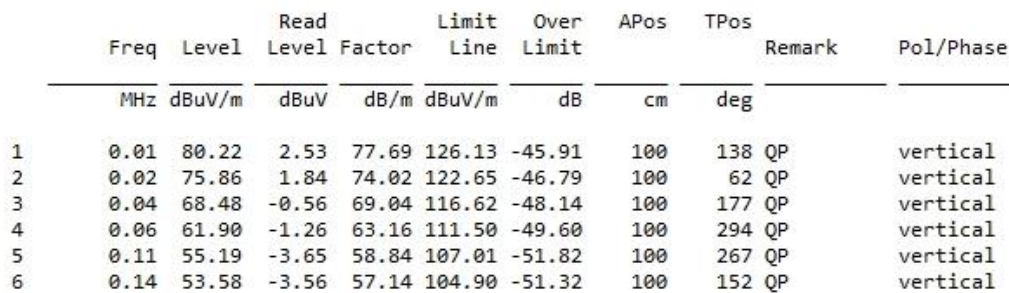


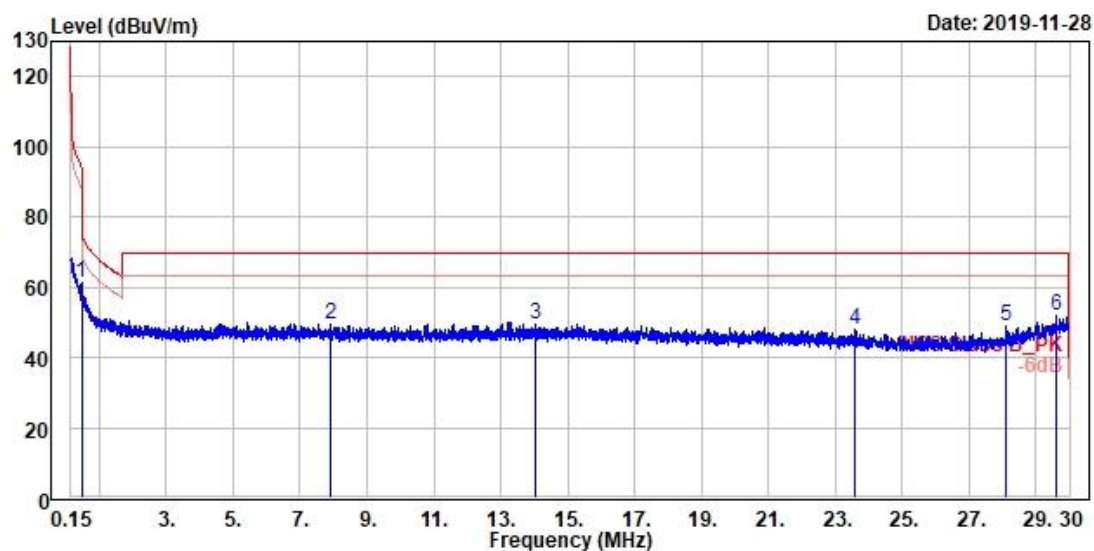
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	Level	Line	Limit				
			Factor						
1	2350.00	39.21	1.90	37.31	54.00	-14.79	108	302 Average	Horizontal
2 *	2480.00	98.22	60.46	37.76	54.00	44.22	108	302 Average	Horizontal
3	2483.50	44.13	6.37	37.76	54.00	-9.87	108	302 Average	Horizontal



	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	Level	Line	Limit				
			Factor						
1	2379.15	39.38	1.98	37.40	54.00	-14.62	146	342 Average	Vertical
2 *	2480.00	96.57	58.81	37.76	54.00	42.57	146	342 Average	Vertical
3	2483.50	42.98	5.22	37.76	54.00	-11.02	146	342 Average	Vertical

2440MHz





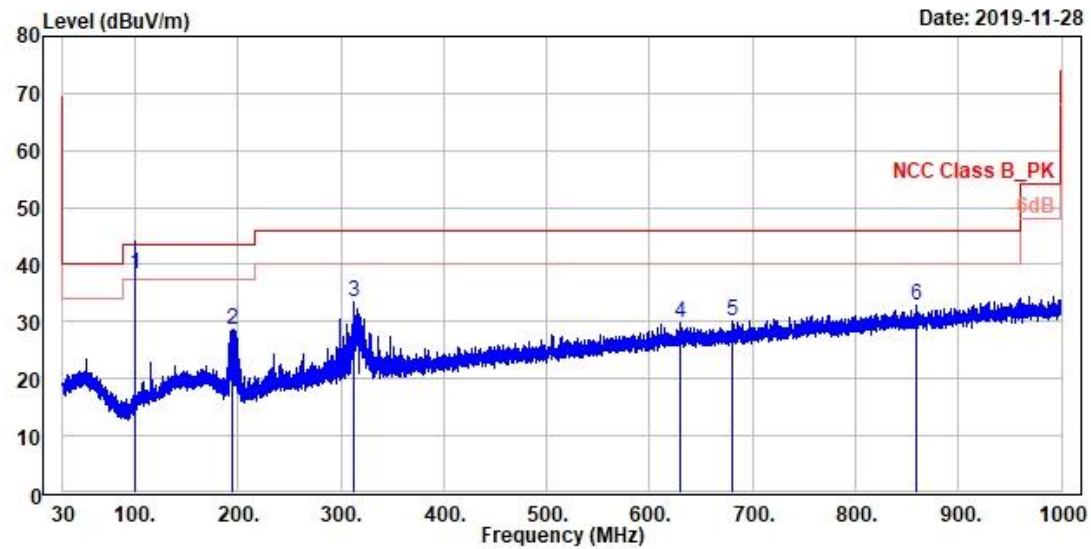
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	MHz	dBuV/m	Level	Line	Limit				
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.46	61.21	13.85	47.36	94.28	-33.07	100	205 QP	vertical
2	7.92	49.39	11.30	38.09	69.50	-20.11	100	1 QP	vertical
3	14.05	49.52	11.90	37.62	69.50	-19.98	100	169 QP	vertical
4	23.61	48.01	12.86	35.15	69.50	-21.49	100	325 QP	vertical
5	28.13	49.03	13.66	35.37	69.50	-20.47	100	53 QP	vertical
6	29.61	51.95	13.15	38.80	69.50	-17.55	100	237 QP	vertical

Spurious Emissions, TX Mode, 30MHz-1GHz

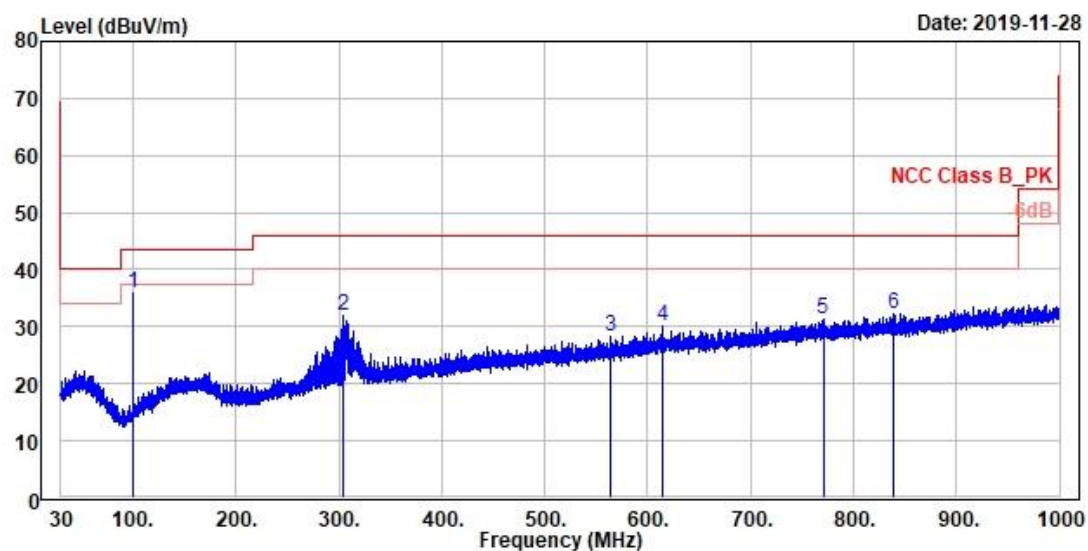
2440MHz



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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	Level	Line	Limit				
			Factor			cm	deg		
1 !	99.84	38.22	50.96	-12.74	43.50	-5.28	300	356 QP	horizontal
2	194.22	28.70	38.59	-9.89	43.50	-14.80	100	247 QP	horizontal
3	313.05	33.58	39.80	-6.22	46.00	-12.42	100	303 QP	horizontal
4	630.14	29.74	30.50	-0.76	46.00	-16.26	100	32 QP	horizontal
5	679.61	30.19	30.40	-0.21	46.00	-15.81	100	142 QP	horizontal
6	858.67	32.84	30.35	2.49	46.00	-13.16	400	260 QP	horizontal



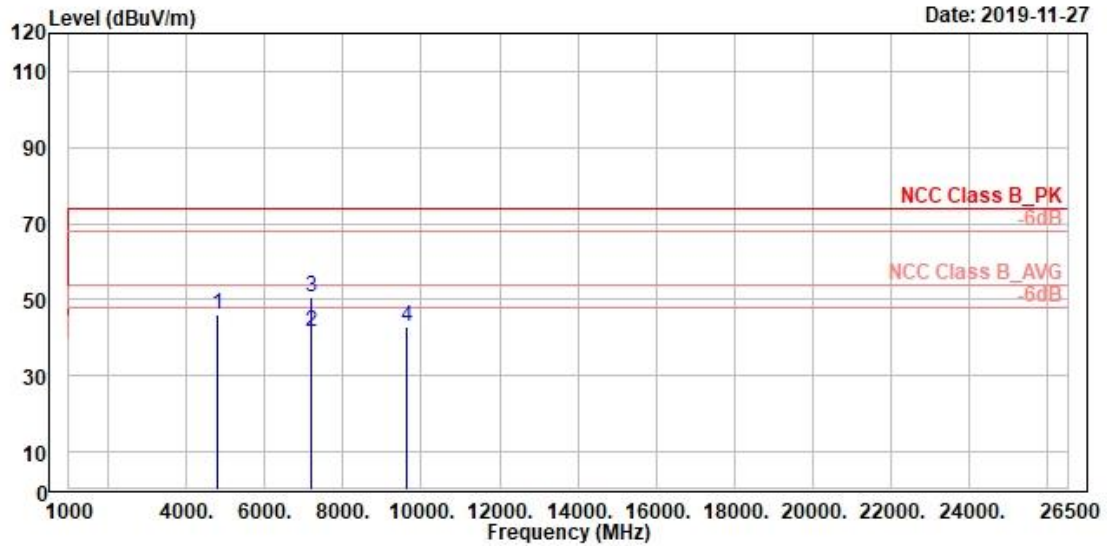
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	MHz	dBuV/m	Level	Factor	Line	Limit			
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	99.94	35.88	48.60	-12.72	43.50	-7.62	400	84 QP	vertical
2	304.90	32.06	38.39	-6.33	46.00	-13.94	300	360 QP	vertical
3	563.50	28.24	30.24	-2.00	46.00	-17.76	400	145 QP	vertical
4	614.62	30.22	31.12	-0.90	46.00	-15.78	400	171 QP	vertical
5	770.60	31.30	29.86	1.44	46.00	-14.70	200	165 QP	vertical
6	838.88	32.12	29.83	2.29	46.00	-13.88	300	160 QP	vertical

Spurious Emissions, TX Mode, 1GHz-26.5GHz

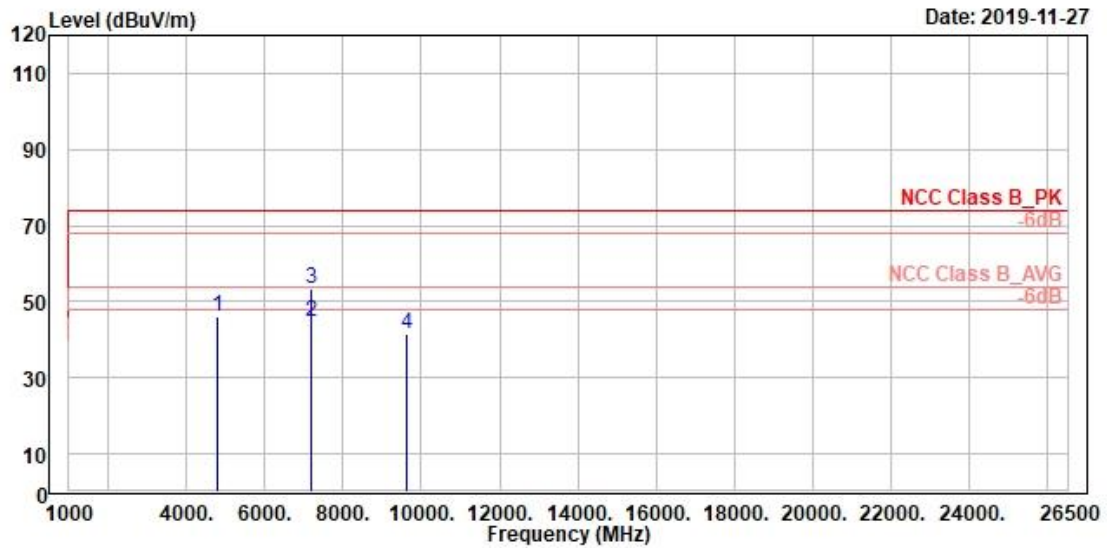
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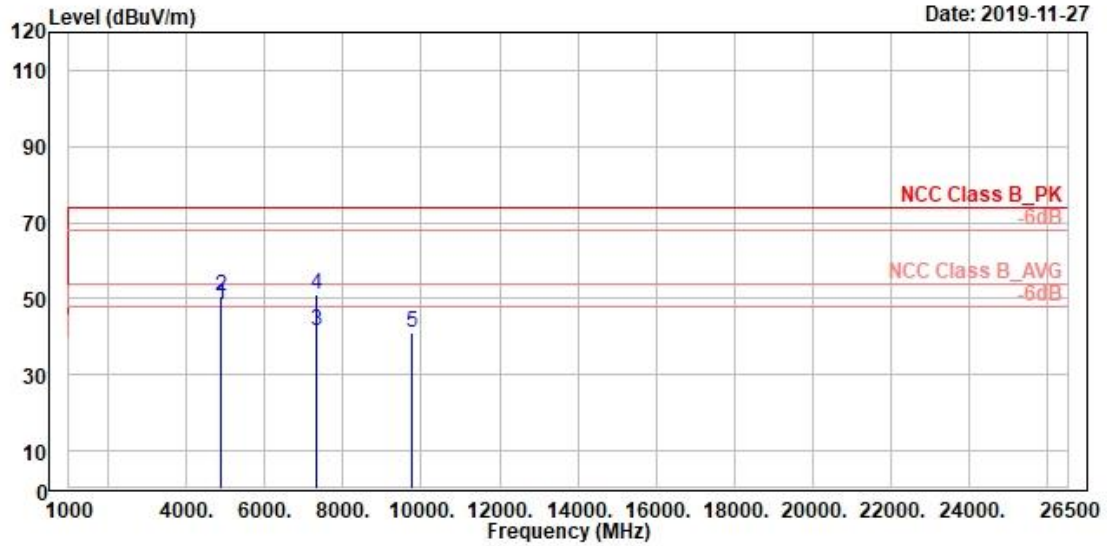
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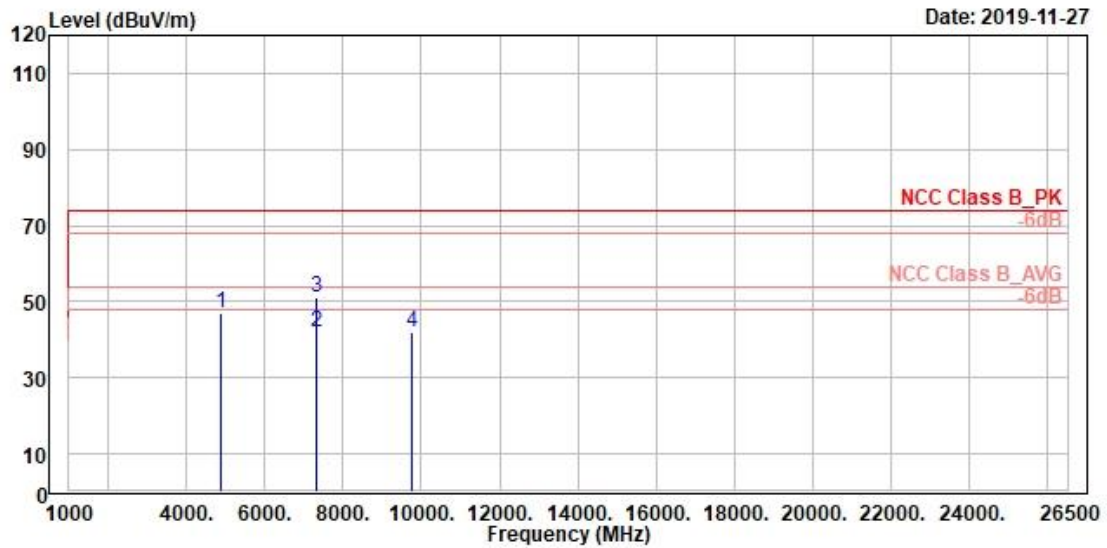
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	MHz	dBuV/m	Level	Line	Limit				
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	4804.00	46.20	56.22	-10.02	74.00	-27.80	400	236 Peak	horizontal
2	7206.00	41.51	49.24	-7.73	54.00	-12.49	243	326 Average	horizontal
3	7206.00	50.76	58.49	-7.73	74.00	-23.24	243	326 Peak	horizontal
4	9608.00	42.70	47.97	-5.27	74.00	-31.30	100	0 Peak	horizontal



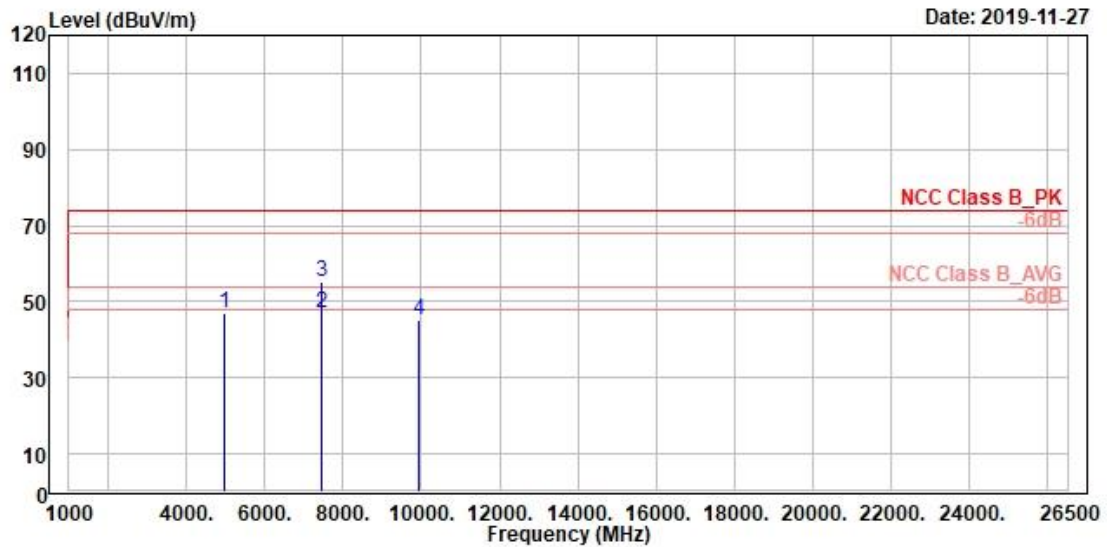
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	MHz	dBuV/m	Level	Line	Limit				
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1	4804.00	46.28	56.30	-10.02	74.00	-27.72	200	355 Peak	vertical
2	7206.00	44.56	52.29	-7.73	54.00	-9.44	115	116 Average	vertical
3	7206.00	53.20	60.93	-7.73	74.00	-20.80	115	116 Peak	vertical
4	9608.00	41.53	46.80	-5.27	74.00	-32.47	156	360 Peak	vertical



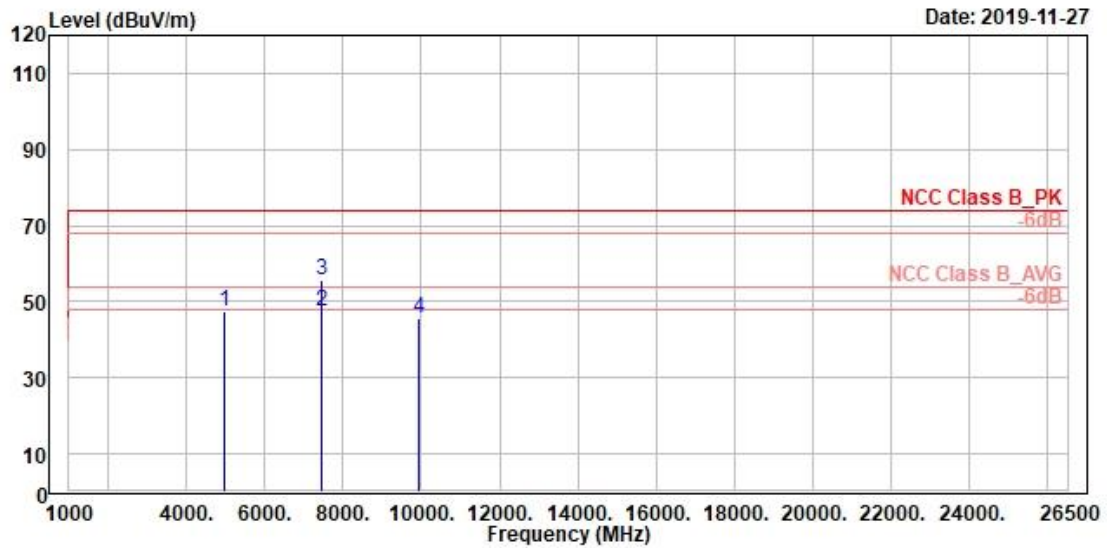
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 !	4880.00	48.15	58.21	-10.06	54.00	-5.85	300	248	Average	horizontal
2	4880.00	50.55	60.61	-10.06	74.00	-23.45	300	248	Peak	horizontal
3	7320.00	41.68	49.42	-7.74	54.00	-12.32	216	322	Average	horizontal
4	7320.00	50.98	58.72	-7.74	74.00	-23.02	216	322	Peak	horizontal
5	9760.00	41.15	46.11	-4.96	74.00	-32.85	300	218	Peak	horizontal



	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	Level	Line	Limit				
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	4880.00	47.10	57.16	-10.06	74.00	-26.90	100	300 Peak	vertical
2	7320.00	42.07	49.81	-7.74	54.00	-11.93	122	18 Average	vertical
3	7320.00	51.02	58.76	-7.74	74.00	-22.98	122	18 Peak	vertical
4	9760.00	41.94	46.90	-4.96	74.00	-32.06	236	0 Peak	vertical



	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	Level	Factor	Line	Limit			
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	4960.00	47.11	57.11	-10.00	74.00	-26.89	272	0 Peak	horizontal
2	7440.00	46.92	54.58	-7.66	54.00	-7.08	100	49 Average	horizontal
3	7440.00	55.15	62.81	-7.66	74.00	-18.85	100	49 Peak	horizontal
4	9920.00	44.95	49.57	-4.62	74.00	-29.05	100	54 Peak	horizontal



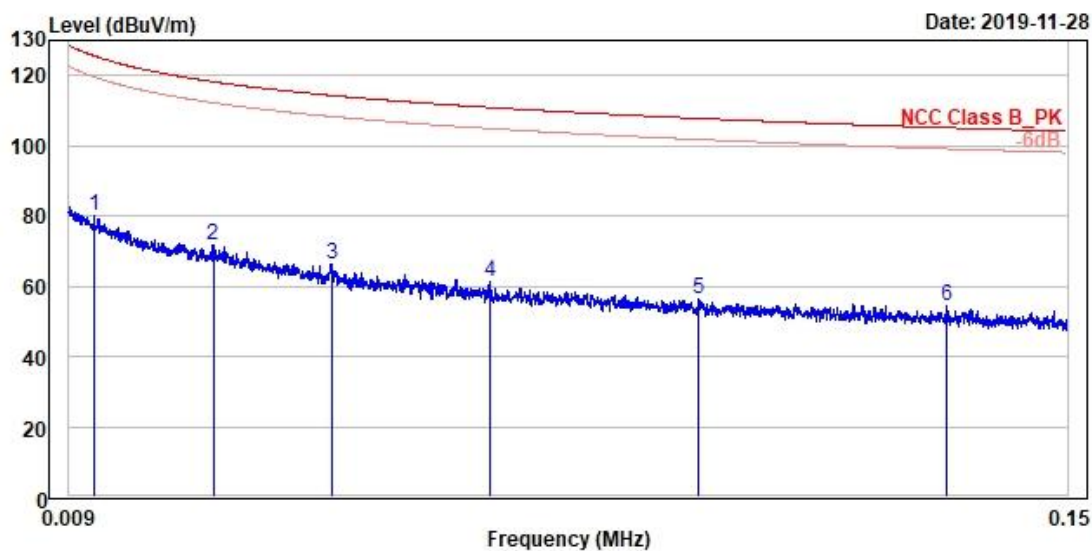
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	4960.00	47.23	57.23	-10.00	74.00	-26.77	100	347 Peak	vertical
2	7440.00	47.49	55.15	-7.66	54.00	-6.51	127	121 Average	vertical
3	7440.00	55.56	63.22	-7.66	74.00	-18.44	127	121 Peak	vertical
4	9920.00	45.75	50.37	-4.62	74.00	-28.25	100	299 Peak	vertical

Spurious Emissions, RX Mode, 9kHz-30MHz

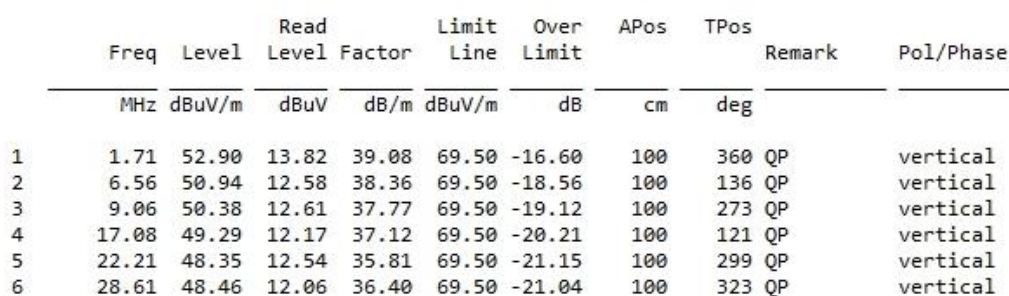
2440MHz



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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	Level	Line	Limit				
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.01	79.87	2.63	77.24	125.62	-45.75	100	327 QP	vertical
2	0.03	71.78	0.92	70.86	118.24	-46.46	100	50 QP	vertical
3	0.05	66.23	0.19	66.04	114.33	-48.10	100	75 QP	vertical
4	0.07	61.05	-1.51	62.56	110.89	-49.84	100	94 QP	vertical
5	0.10	56.15	-3.34	59.49	107.77	-51.62	100	59 QP	vertical
6	0.13	54.13	-3.21	57.34	105.12	-50.99	100	90 QP	vertical

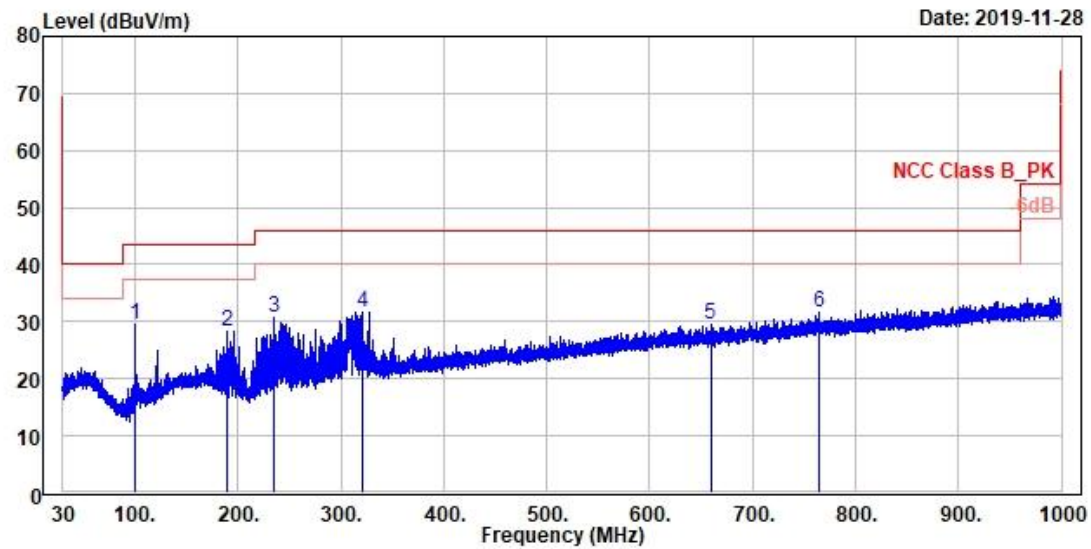


Spurious Emissions, RX Mode, 30MHz-1GHz

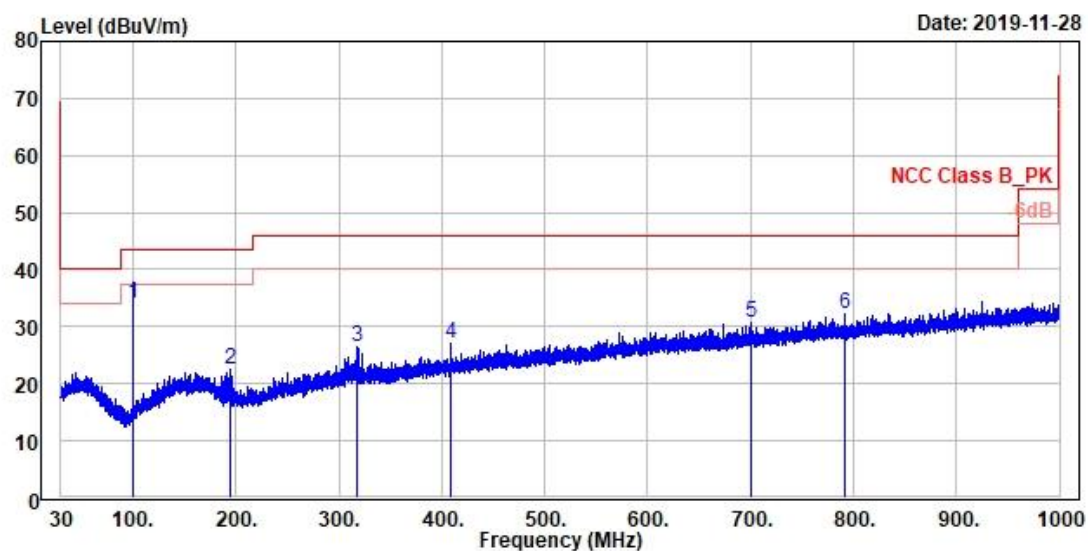
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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	Level	Line	Limit				
			Factor						
						cm	deg		
1	99.55	29.61	42.40	-12.79	43.50	-13.89	319	360 QP	horizontal
2	190.15	28.40	38.11	-9.71	43.50	-15.10	127	360 QP	horizontal
3	235.54	30.79	39.30	-8.51	46.00	-15.21	127	360 QP	horizontal
4	320.61	31.78	37.87	-6.09	46.00	-14.22	100	302 QP	horizontal
5	659.24	29.41	29.98	-0.57	46.00	-16.59	183	360 QP	horizontal
6	765.07	31.54	30.16	1.38	46.00	-14.46	296	0 QP	horizontal



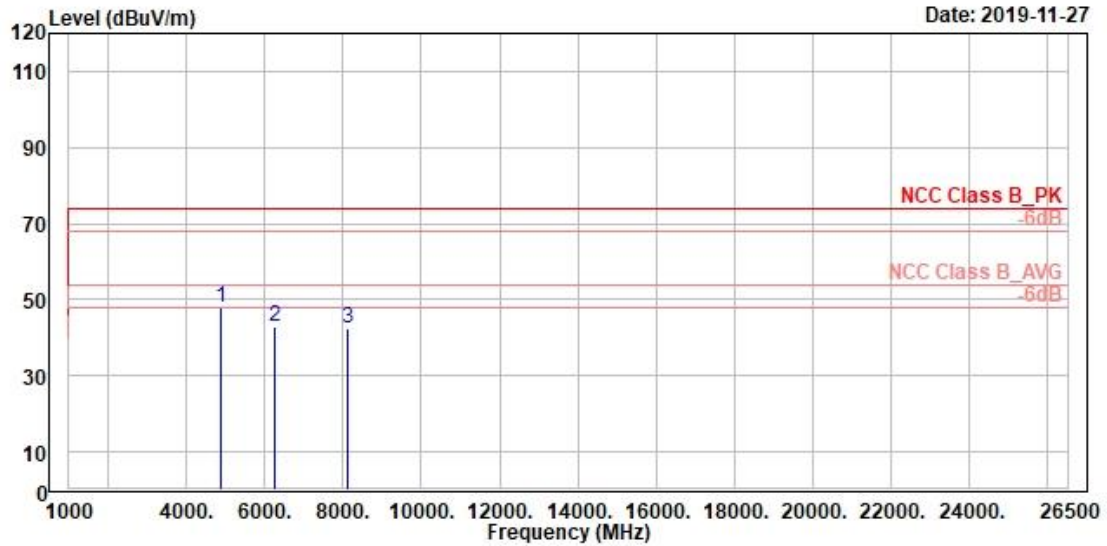
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	Level	Line	Limit				
			Factor			cm	deg		
1	99.94	33.98	46.70	-12.72	43.50	-9.52	300	280 QP	vertical
2	195.29	22.44	32.33	-9.89	43.50	-21.06	174	360 QP	vertical
3	317.22	26.51	32.67	-6.16	46.00	-19.49	200	342 QP	vertical
4	408.79	27.19	31.72	-4.53	46.00	-18.81	100	84 QP	vertical
5	700.95	30.82	30.66	0.16	46.00	-15.18	140	360 QP	vertical
6	791.74	32.19	30.59	1.60	46.00	-13.81	200	89 QP	vertical

Spurious Emissions, RX Mode, 1GHz-26.5GHz

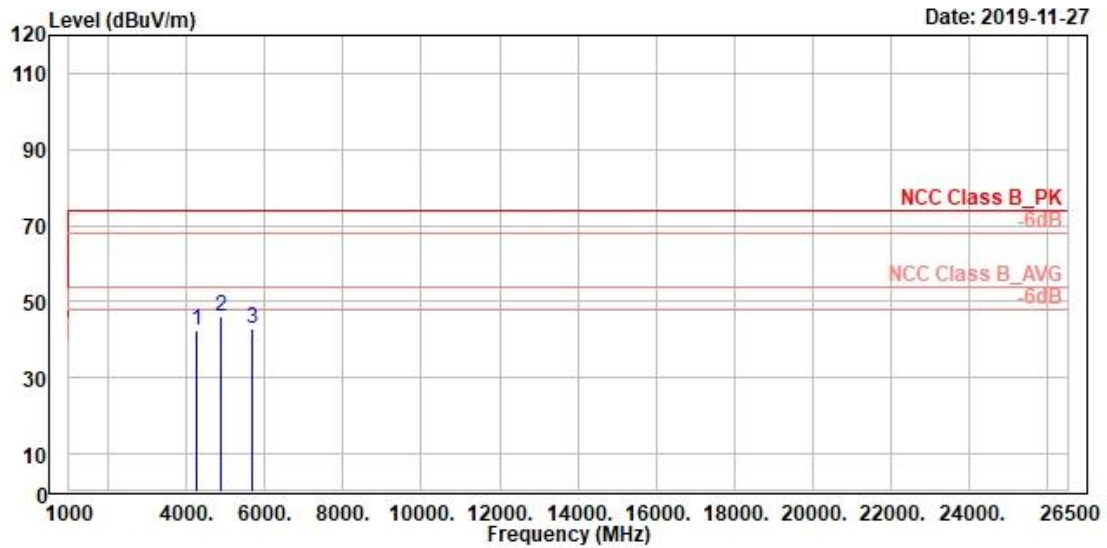
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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	Level	Line	Limit				
			Factor						
			dB/m	dBuV/m	dB	cm	deg		
1	4882.00	47.81	57.87	-10.06	74.00	-26.19	300	247 Peak	horizontal
2	6268.00	42.77	50.44	-7.67	74.00	-31.23	400	167 Peak	horizontal
3	8127.00	42.44	49.57	-7.13	74.00	-31.56	300	234 Peak	horizontal



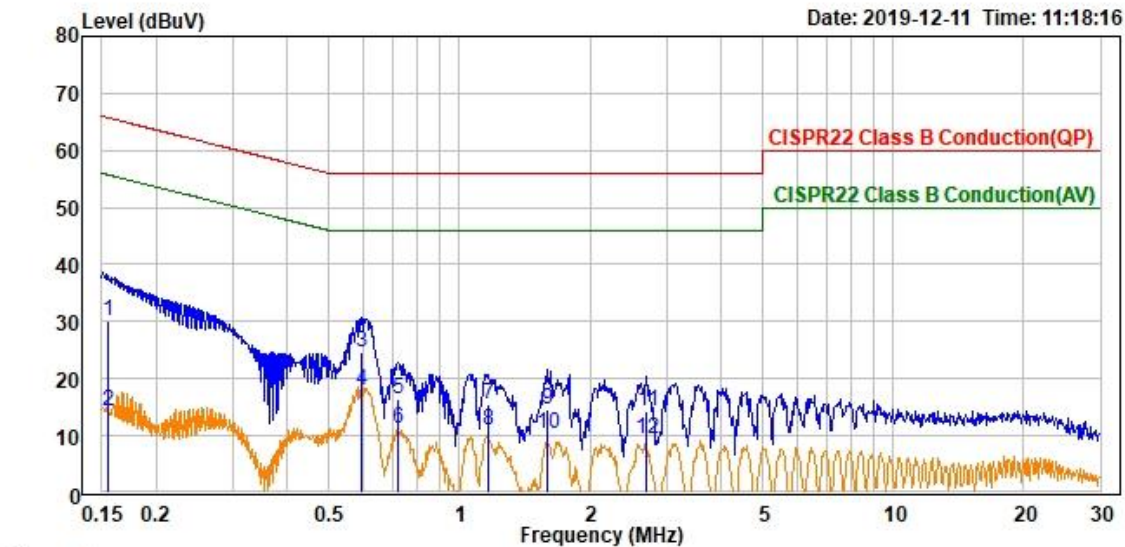
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	Level	Line	Limit				
			Factor						
						cm	deg		
1	4267.00	42.66	53.80	-11.14	74.00	-31.34	100	243 Peak	vertical
2	4882.00	46.19	56.25	-10.06	74.00	-27.81	100	299 Peak	vertical
3	5686.00	42.74	51.43	-8.69	74.00	-31.26	200	324 Peak	vertical

Spurious Emissions, AC Mains

2440MHz

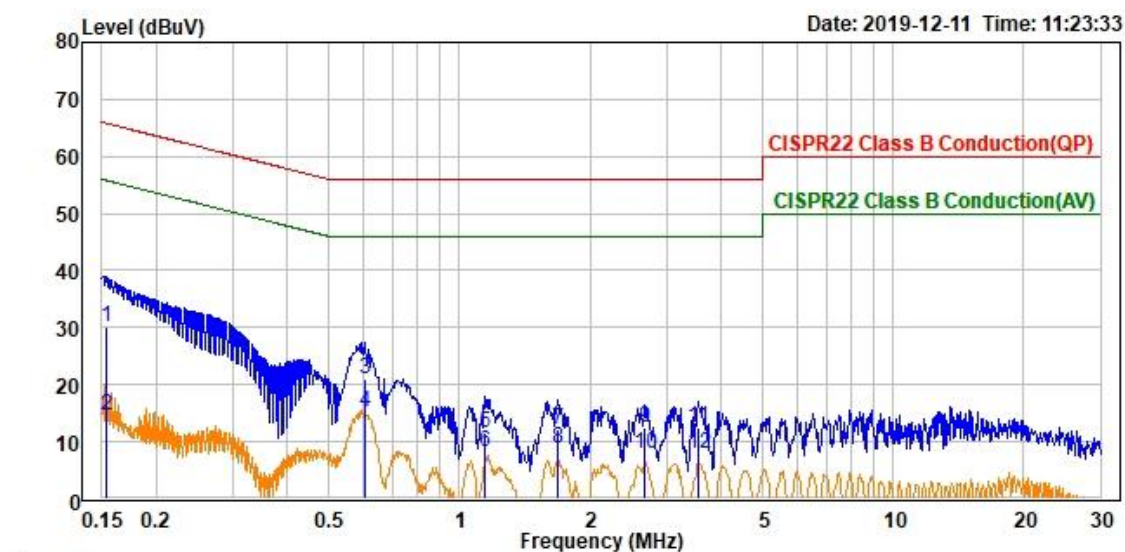


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Trace: 1

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.155	20.55	9.61	30.16	65.71	-35.55	QP	line1
2	0.155	4.75	9.61	14.36	55.71	-41.35	Average	line1
3	0.594	15.12	9.62	24.74	56.00	-31.26	QP	line1
4	0.594	8.46	9.62	18.08	46.00	-27.92	Average	line1
5	0.725	6.94	9.62	16.56	56.00	-39.44	QP	line1
6	0.725	1.71	9.62	11.33	46.00	-34.67	Average	line1
7	1.169	5.93	9.62	15.55	56.00	-40.45	QP	line1
8	1.169	1.43	9.62	11.05	46.00	-34.95	Average	line1
9	1.593	4.97	9.64	14.61	56.00	-41.39	QP	line1
10	1.593	0.61	9.64	10.25	46.00	-35.75	Average	line1
11	2.701	4.73	9.65	14.38	56.00	-41.62	QP	line1
12	2.701	-0.18	9.65	9.47	46.00	-36.53	Average	line1



Trace: 1

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.154	20.62	9.62	30.24	65.79	-35.55	QP	neutral
2	0.154	4.84	9.62	14.46	55.79	-41.33	Average	neutral
3	0.609	11.35	9.63	20.98	56.00	-35.02	QP	neutral
4	0.609	5.60	9.63	15.23	46.00	-30.77	Average	neutral
5	1.141	1.93	9.63	11.56	56.00	-44.44	QP	neutral
6	1.141	-1.45	9.63	8.18	46.00	-37.82	Average	neutral
7	1.682	2.54	9.65	12.19	56.00	-43.81	QP	neutral
8	1.682	-0.94	9.65	8.71	46.00	-37.29	Average	neutral
9	2.675	2.74	9.66	12.40	56.00	-43.60	QP	neutral
10	2.675	-1.74	9.66	7.92	46.00	-38.08	Average	neutral
11	3.553	2.80	9.68	12.48	56.00	-43.52	QP	neutral
12	3.553	-1.82	9.68	7.86	46.00	-38.14	Average	neutral