

Test Report No.50349155 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50349155 001Appendix D)

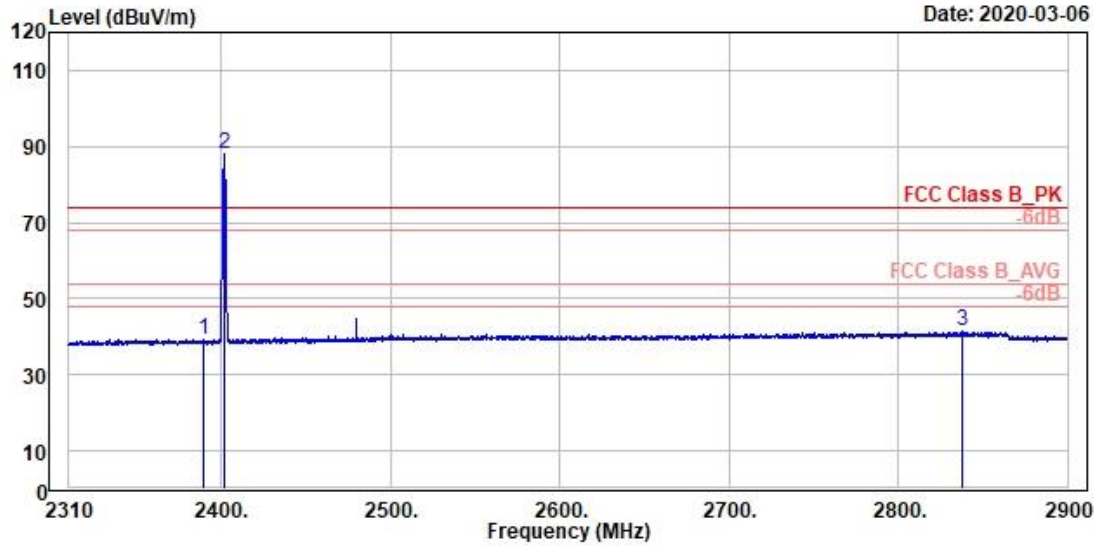
Contents

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, AC Mains	24

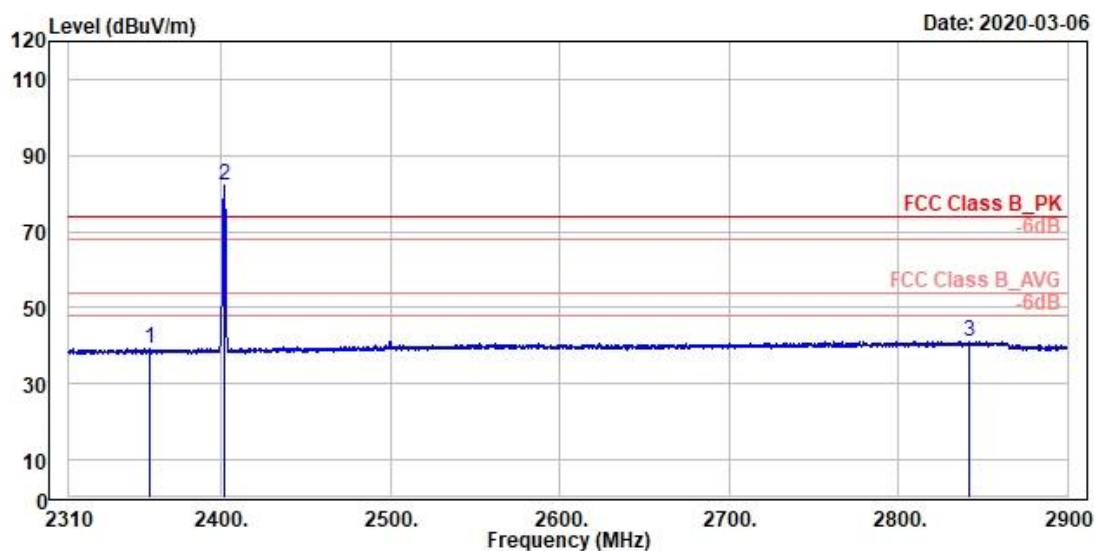
Spurious Emissions, Bandedge



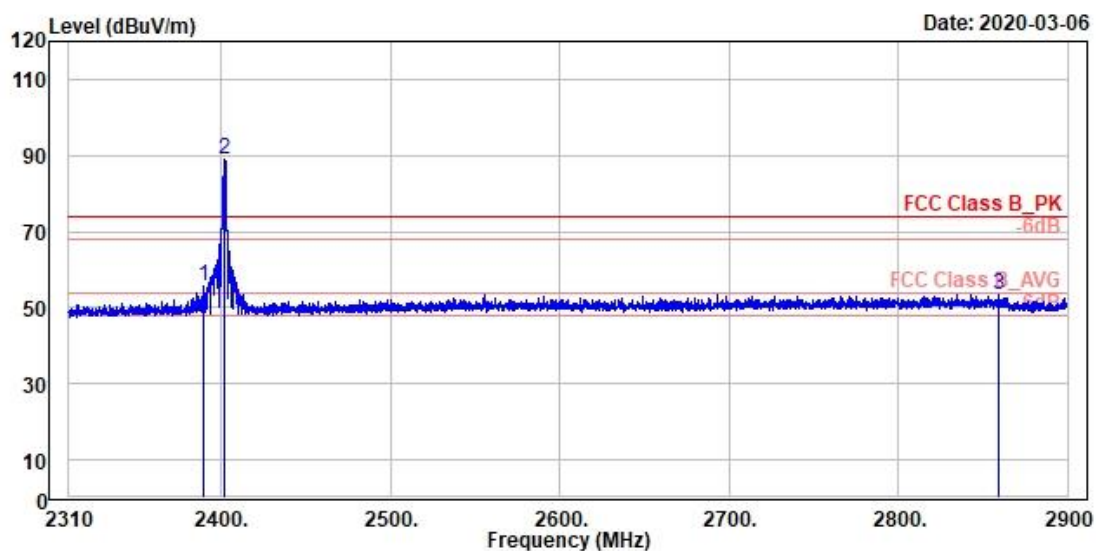
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



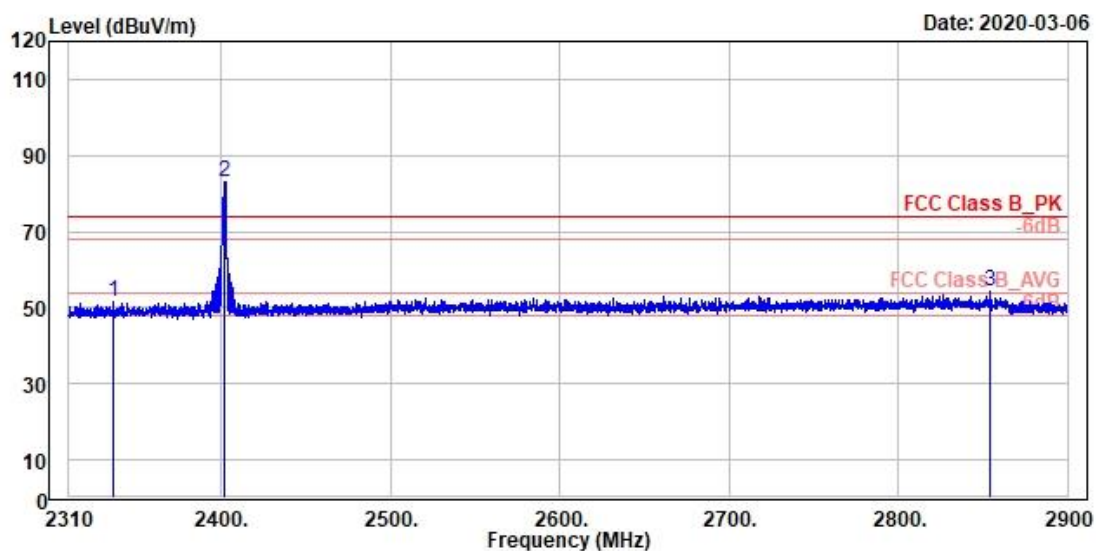
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2389.296	39.14	2.00	37.14	54.00	-14.86	144	354	Average	Horizontal
2 *	2402.000	87.85	50.70	37.15	54.00	33.85	144	354	Average	Horizontal
3	2838.286	41.33	3.24	38.09	54.00	-12.67	144	354	Average	Horizontal



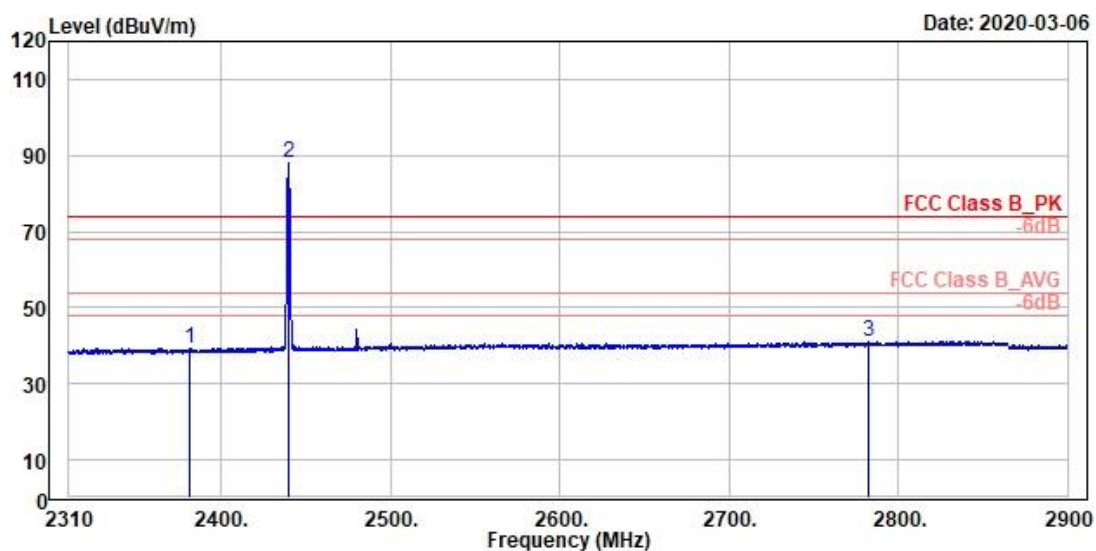
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1	2357.318	39.09	1.92	37.17	54.00	-14.91	104	204	Average	Vertical
2 *	2402.000	82.26	45.11	37.15	54.00	28.26	104	204	Average	Vertical
3	2841.826	41.23	3.13	38.10	54.00	-12.77	104	204	Average	Vertical



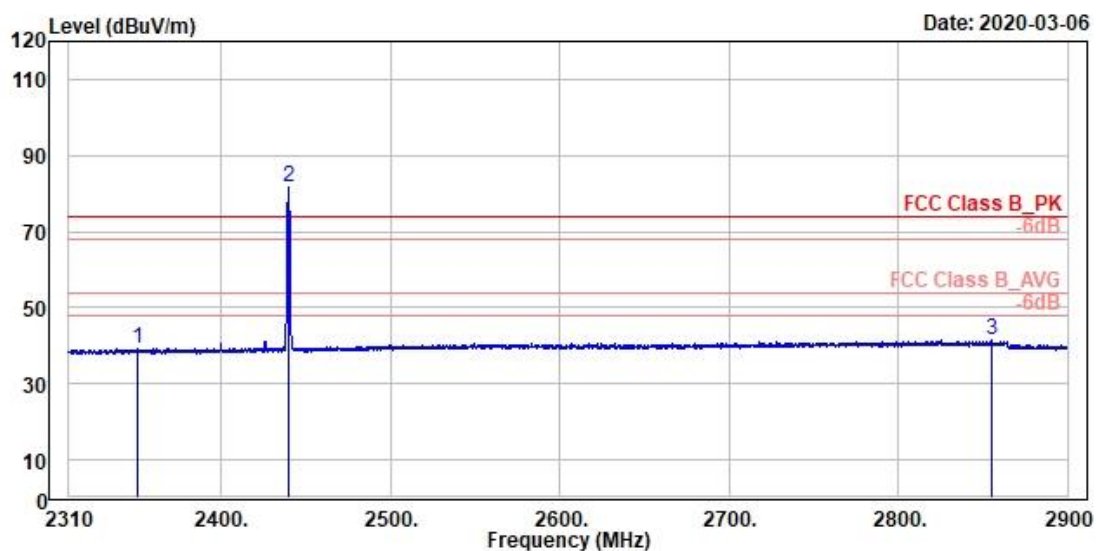
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2389.532	55.47	18.33	37.14	74.00	-18.53	144	354	Peak	Horizontal
2 *	2402.000	88.79	51.64	37.15	74.00	14.79	144	354	Peak	Horizontal
3	2859.054	53.52	15.44	38.08	74.00	-20.48	144	354	Peak	Horizontal



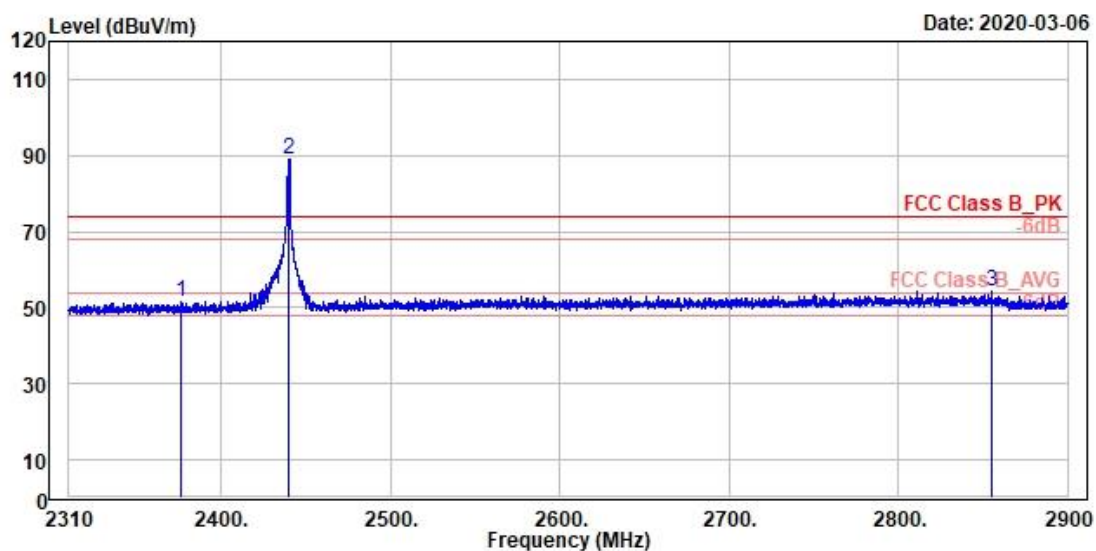
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2335.960	51.37	14.21	37.16	74.00	-22.63	104	204	Peak	Vertical
2 *	2402.000	83.24	46.09	37.15	74.00	9.24	104	204	Peak	Vertical
3	2853.980	54.20	16.12	38.08	74.00	-19.80	104	204	Peak	Vertical



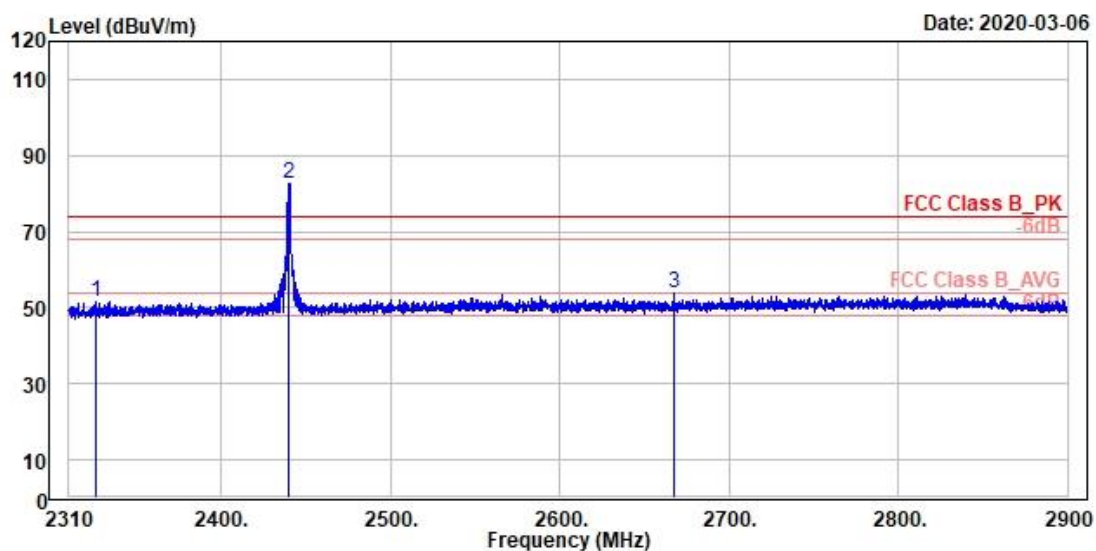
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2380.918	39.43	2.28	37.15	54.00	-14.57	158	2	Average	Horizontal
2 *	2440.000	88.19	50.84	37.35	54.00	34.19	158	2	Average	Horizontal
3	2782.472	41.18	3.08	38.10	54.00	-12.82	158	2	Average	Horizontal



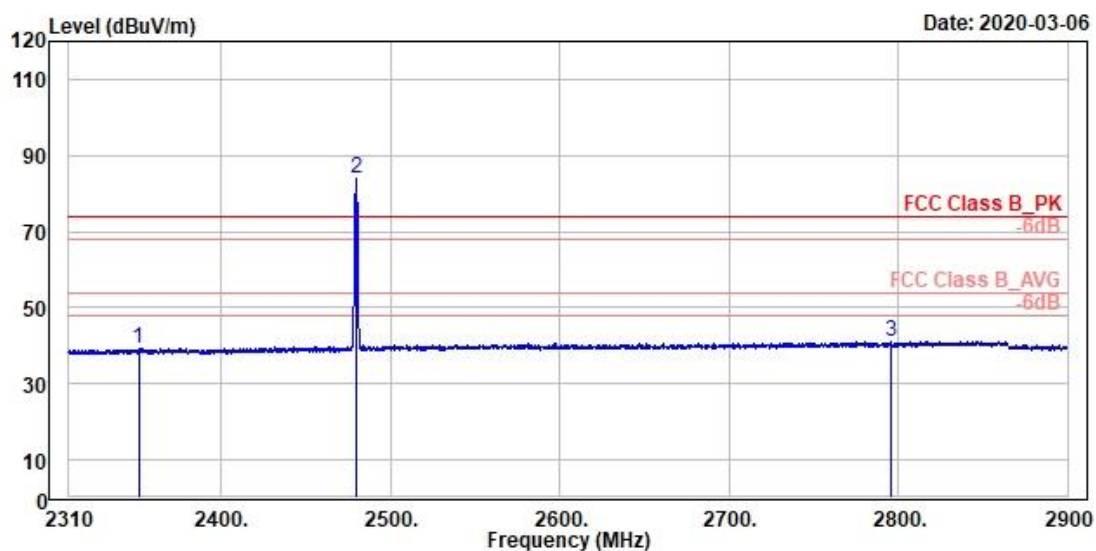
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1	2350.474	39.35	2.18	37.17	54.00	-14.65	134	120	Average	Vertical
2 *	2440.000	81.72	44.37	37.35	54.00	27.72	134	120	Average	Vertical
3	2854.924	41.37	3.29	38.08	54.00	-12.63	134	120	Average	Vertical



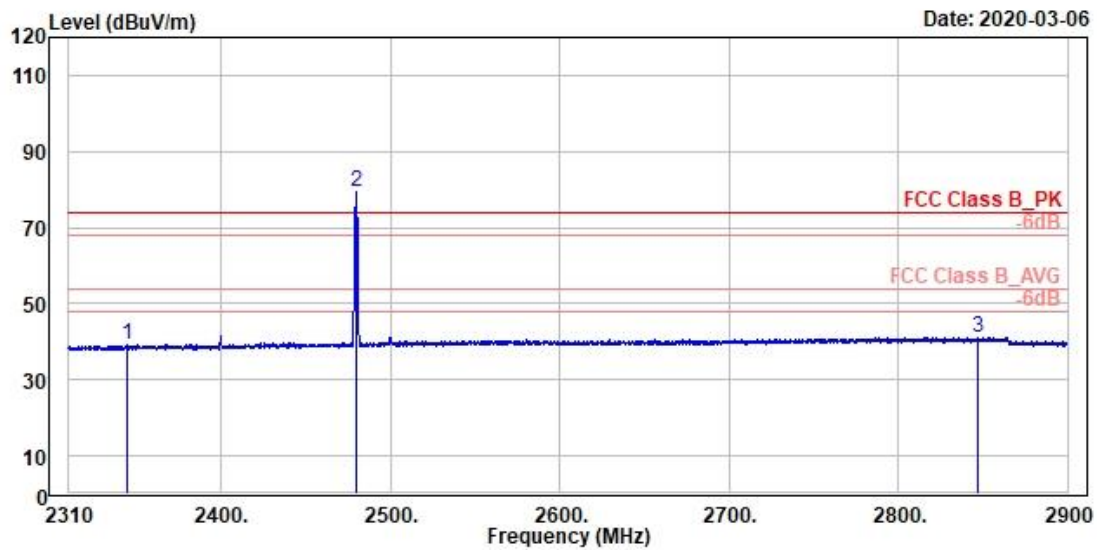
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2375.962	51.45	14.29	37.16	74.00	-22.55	158	2	Peak	Horizontal
2 *	2440.000	89.18	51.83	37.35	74.00	15.18	158	2	Peak	Horizontal
3	2855.278	54.33	16.25	38.08	74.00	-19.67	158	2	Peak	Horizontal



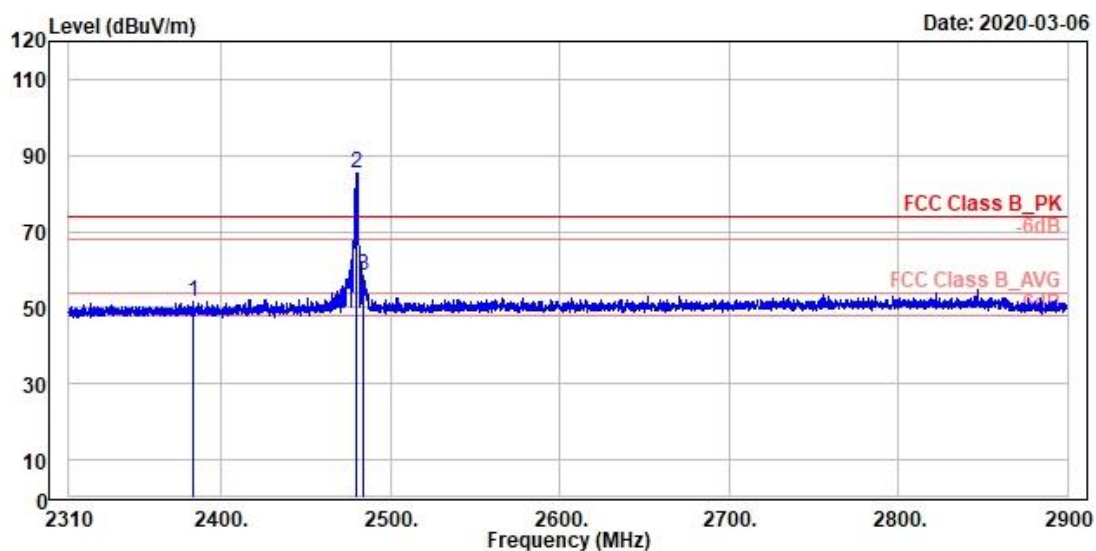
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2326.166	51.54	14.40	37.14	74.00	-22.46	134	120	Peak	Vertical
2 *	2440.000	82.72	45.37	37.35	74.00	8.72	134	120	Peak	Vertical
3	2667.186	53.63	16.04	37.59	74.00	-20.37	134	120	Peak	Vertical



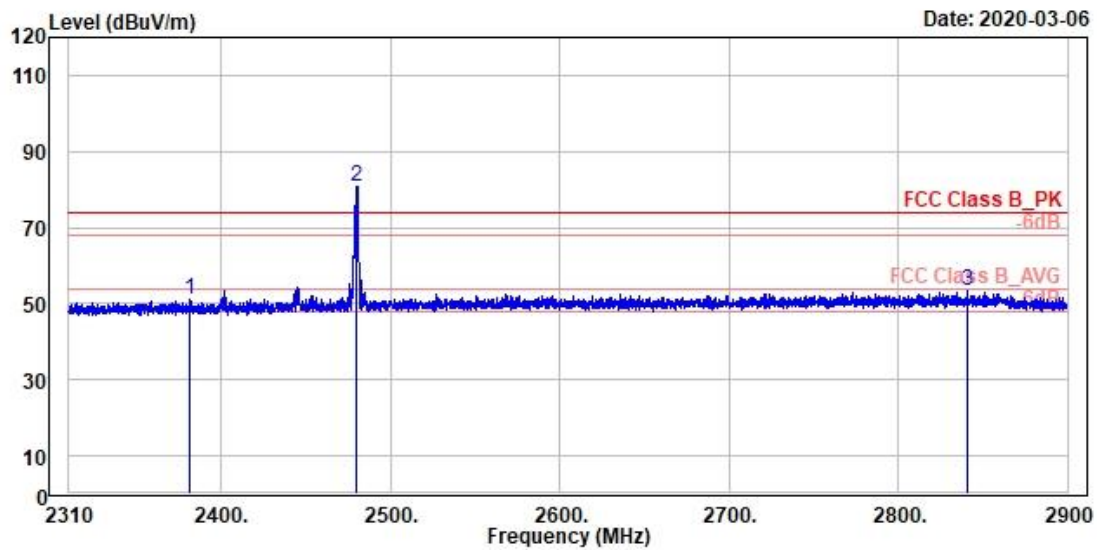
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2351.064	39.19	2.01	37.18	54.00	-14.81	174	3	Average	Horizontal
2 *	2480.000	84.04	46.48	37.56	54.00	30.04	174	3	Average	Horizontal
3	2795.452	41.26	3.14	38.12	54.00	-12.74	174	3	Average	Horizontal



	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	2344.338	39.35	2.18	37.17	54.00	-14.65	116	145	Average	Vertical
2 *	2480.000	79.54	41.98	37.56	54.00	25.54	116	145	Average	Vertical
3	2847.136	41.18	3.09	38.09	54.00	-12.82	116	145	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	2383.042	51.40	14.26	37.14	74.00	-22.60	174	3	Peak	Horizontal
2 *	2480.000	85.21	47.65	37.56	74.00	11.21	174	3	Peak	Horizontal
3	2483.500	58.33	20.76	37.57	74.00	-15.67	174	3	Peak	Horizontal

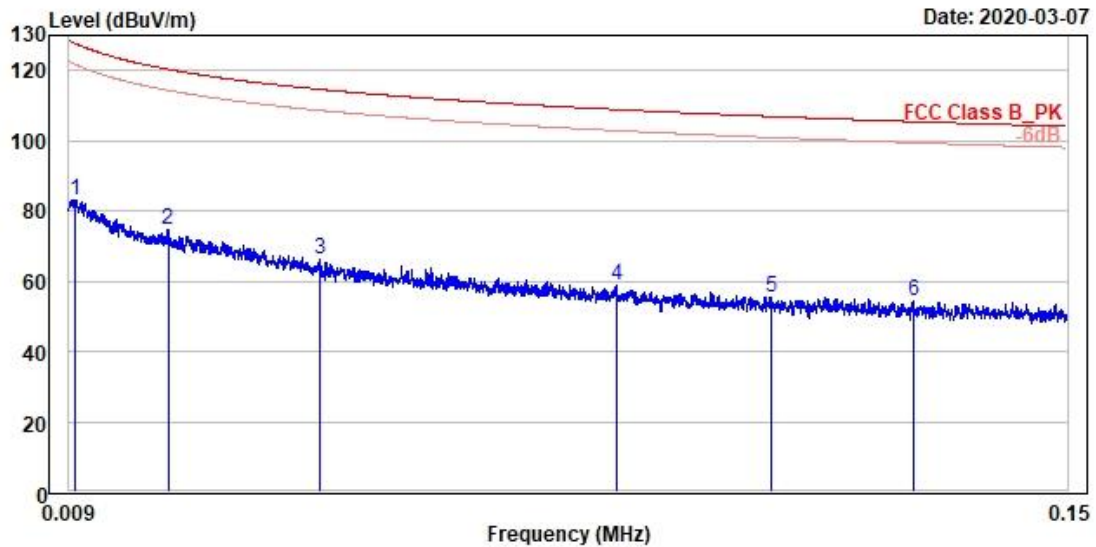


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2381.272	50.93	13.78	37.15	74.00	-23.07	116	145	Peak	Vertical
2 *	2480.000	80.63	43.07	37.56	74.00	6.63	116	145	Peak	Vertical
3	2841.236	53.52	15.42	38.10	74.00	-20.48	116	145	Peak	Vertical

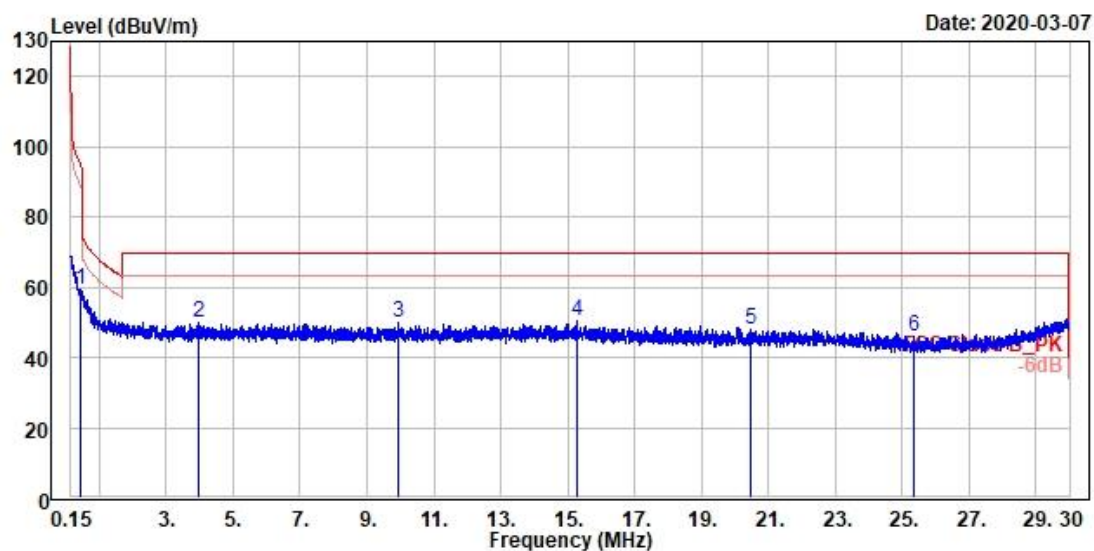
Spurious Emissions, TX Mode, 9kHz-30MHz



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



	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	0.010	83.25	4.13	79.12	127.81	-44.56	100	1 QP		vertical
2	0.023	74.49	2.49	72.00	120.36	-45.87	100	164 QP		vertical
3	0.044	66.35	-0.11	66.46	114.65	-48.30	100	0 QP		vertical
4	0.086	58.72	-2.03	60.75	108.88	-50.16	100	27 QP		vertical
5	0.108	55.54	-3.24	58.78	106.92	-51.38	100	238 QP		vertical
6	0.128	54.25	-3.37	57.62	105.44	-51.19	100	360 QP		vertical

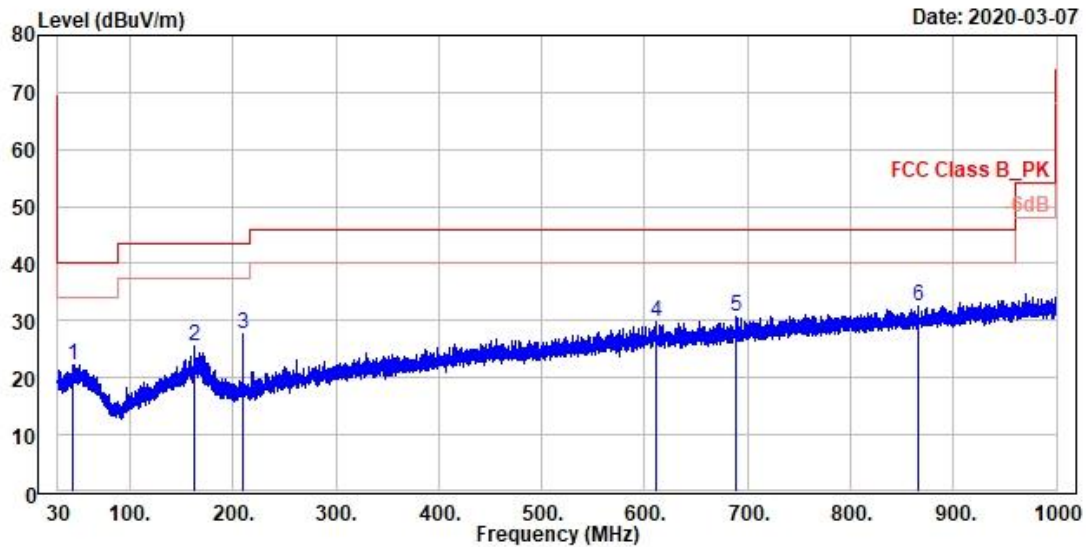


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.443	59.30	11.62	47.68	94.68	-35.38	100	141	QP	vertical
2	3.959	49.80	11.47	38.33	69.50	-19.70	100	125	QP	vertical
3	9.947	49.84	12.24	37.60	69.50	-19.66	100	177	QP	vertical
4	15.296	50.34	12.67	37.67	69.50	-19.16	100	171	QP	vertical
5	20.496	47.85	11.69	36.16	69.50	-21.65	100	60	QP	vertical
6	25.331	46.08	11.99	34.09	69.50	-23.42	100	283	QP	vertical

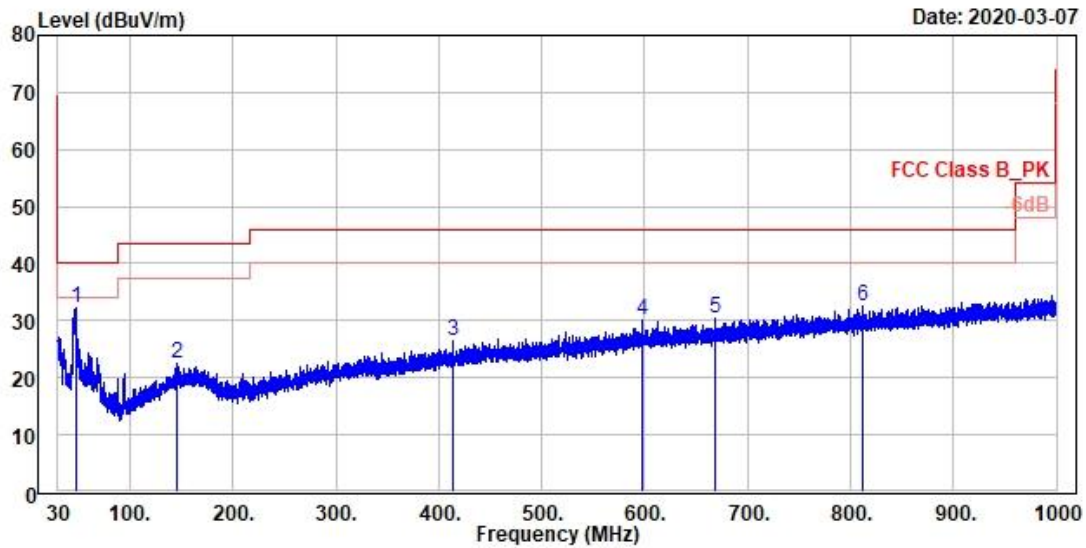
Spurious Emissions, TX Mode, 30MHz-1GHz



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, 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	44.647	22.25	28.46	-6.21	40.00	-17.75	100	173	QP	horizontal
2	162.890	25.48	31.40	-5.92	43.50	-18.02	100	115	QP	horizontal
3	209.547	27.68	35.99	-8.31	43.50	-15.82	100	112	QP	horizontal
4	610.933	29.74	29.41	0.33	46.00	-16.26	345	360	QP	horizontal
5	688.048	30.67	29.42	1.25	46.00	-15.33	227	0	QP	horizontal
6	865.558	32.65	29.03	3.62	46.00	-13.35	200	81	QP	horizontal

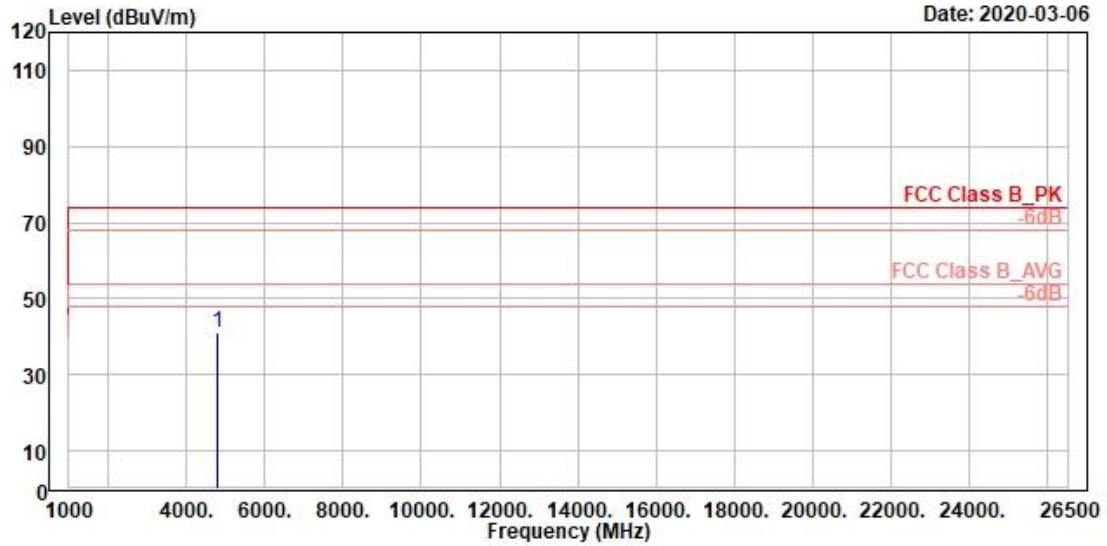


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	47.460	32.36	38.40	-6.04	40.00	-7.64	100	174	QP	vertical
2	146.400	22.41	28.75	-6.34	43.50	-21.09	300	65	QP	vertical
3	414.411	26.47	29.37	-2.90	46.00	-19.53	300	277	QP	vertical
4	597.353	30.15	30.04	0.11	46.00	-15.85	152	360	QP	vertical
5	668.939	30.36	29.46	0.90	46.00	-15.64	400	149	QP	vertical
6	811.723	32.61	29.65	2.96	46.00	-13.39	400	185	QP	vertical

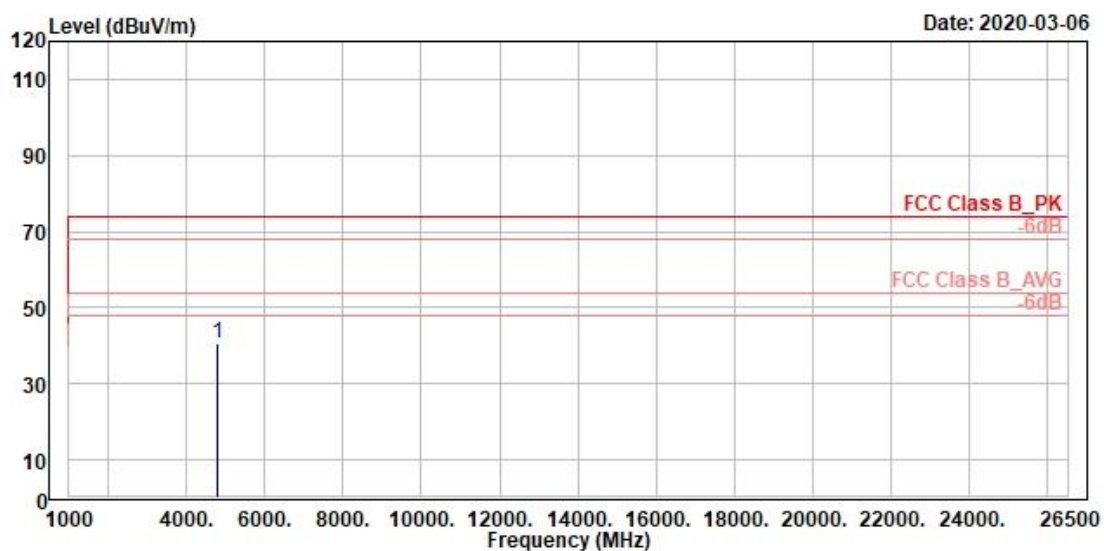
Spurious Emissions, TX Mode, 1GHz-26.5GHz



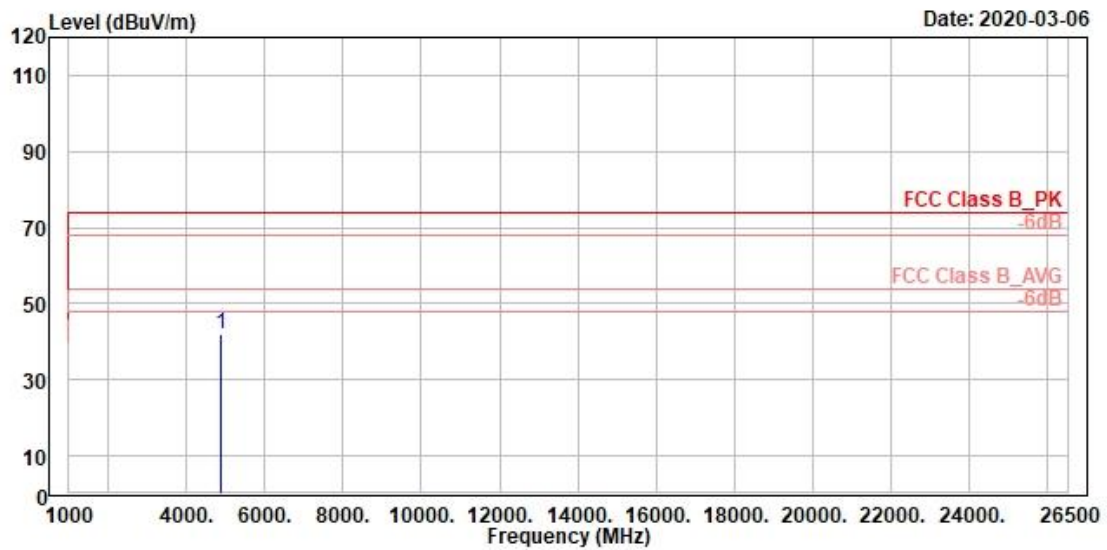
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



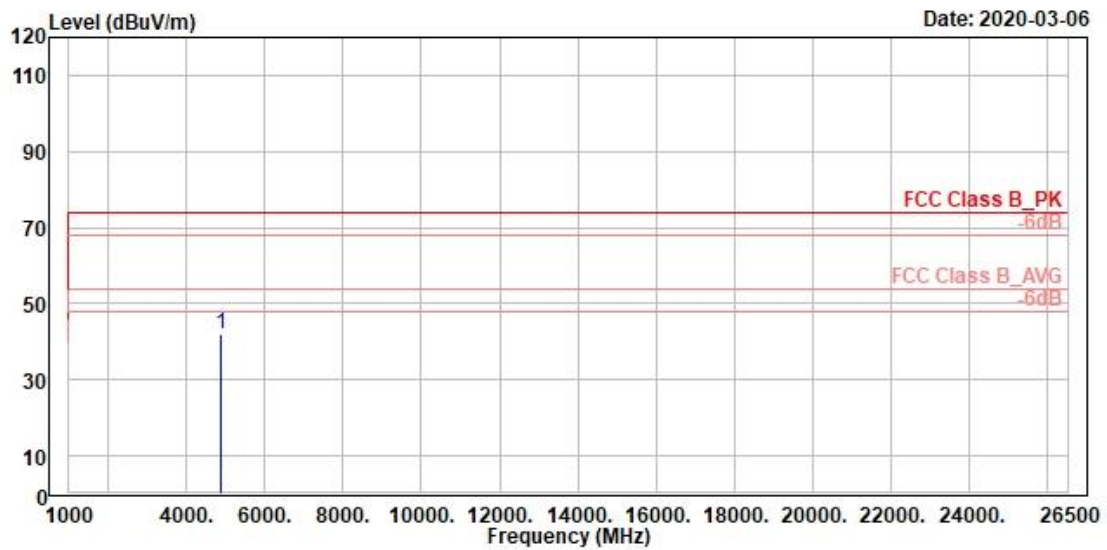
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	40.95	50.39	-9.44	74.00	-33.05	110	360	Peak	horizontal



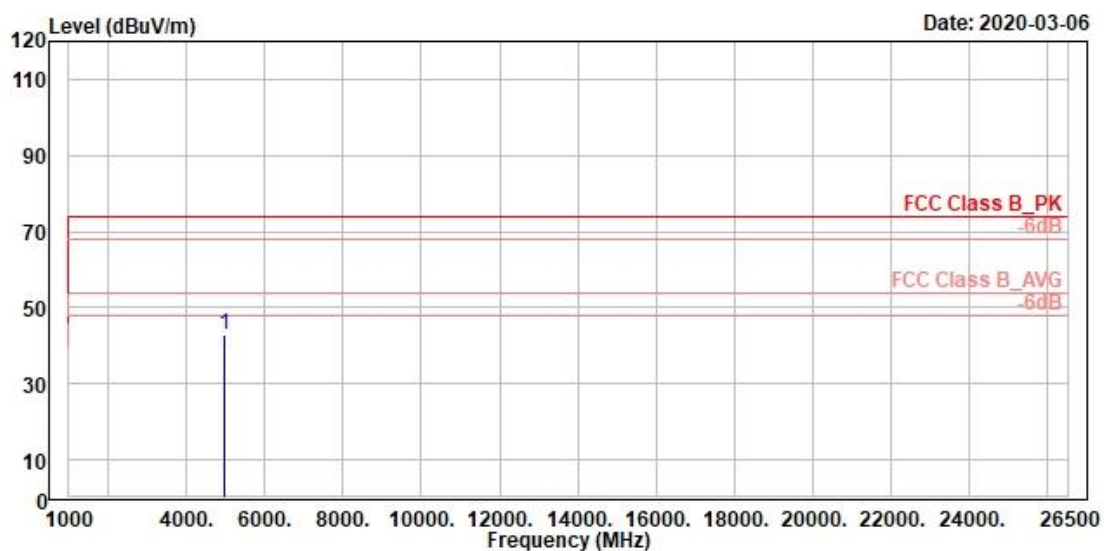
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	40.42	49.86	-9.44	74.00	-33.58	200	214	Peak	vertical



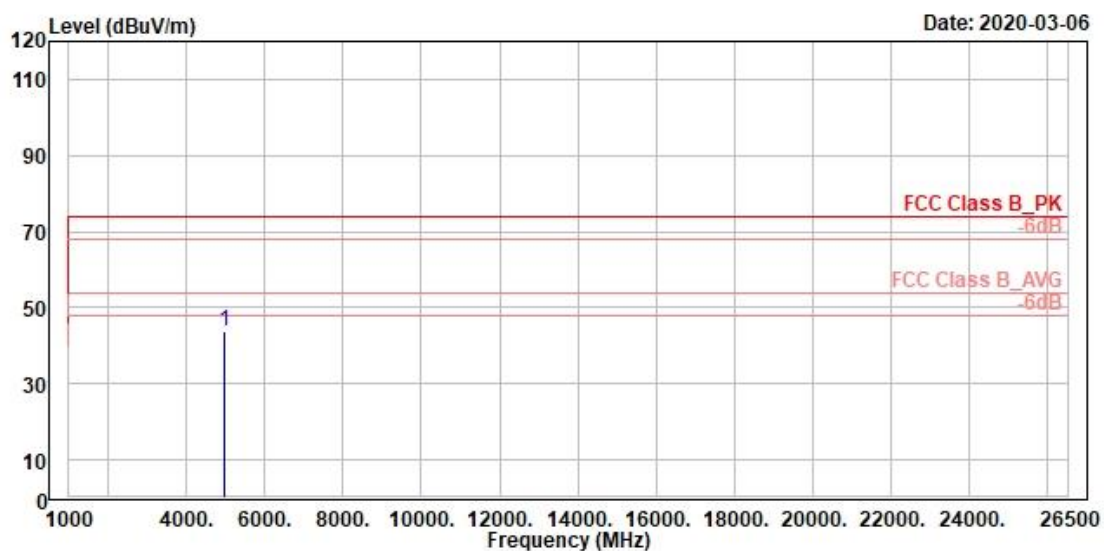
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4880.000	42.17	51.48	-9.31	74.00	-31.83	100	244	Peak	horizontal



	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	4880.000	41.90	51.21	-9.31	74.00	-32.10	100	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	4960.000	42.84	51.97	-9.13	74.00	-31.16	400	330	Peak	horizontal

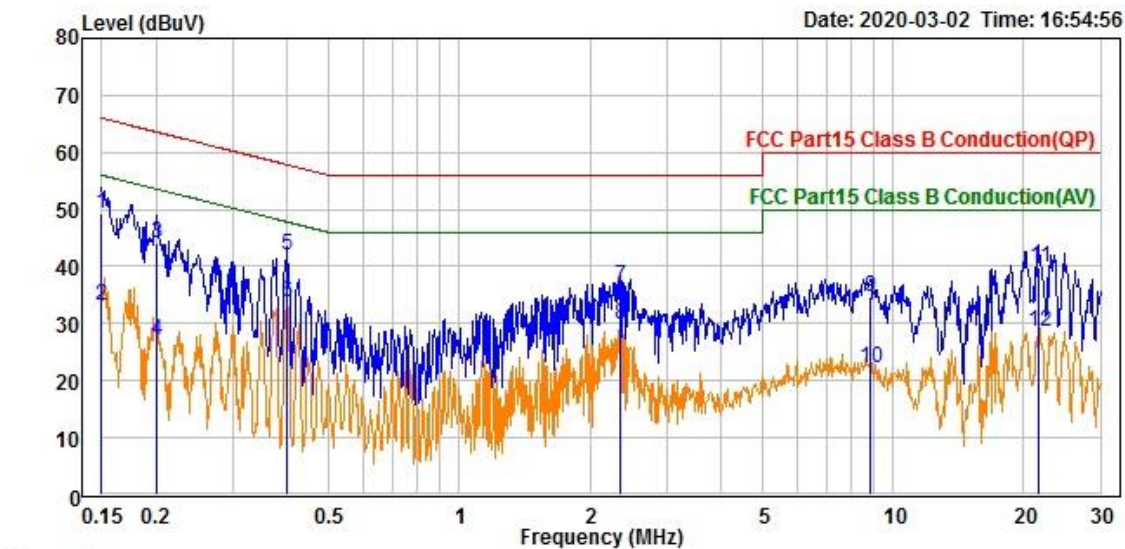


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
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1	4960.000	43.62	52.75	-9.13	74.00	-30.38	200	207	Peak	vertical

Spurious Emissions, AC Mains

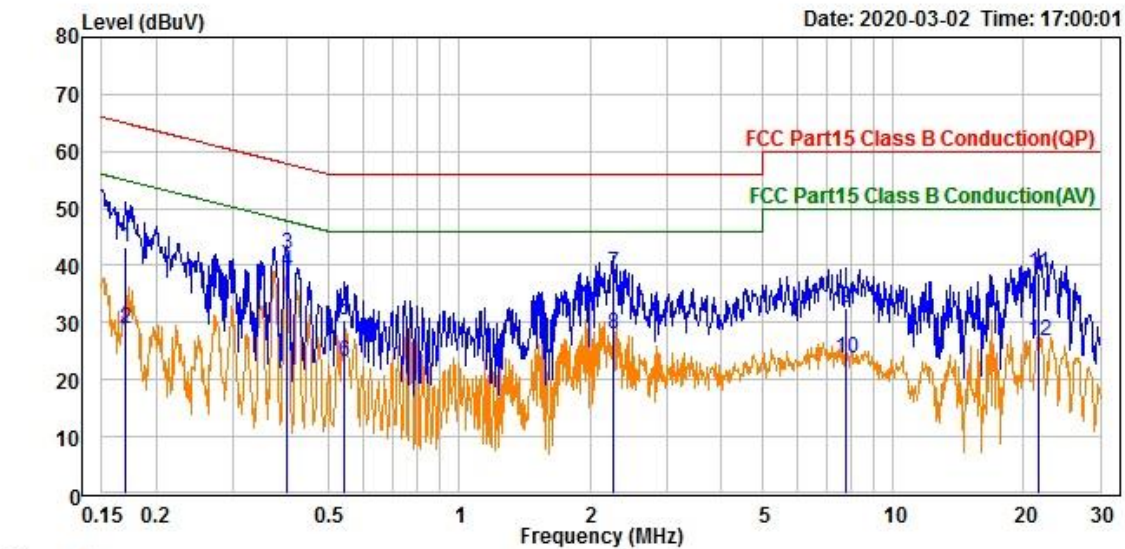


TUV Rheinland Taiwan Ltd.
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 Fax:+886-2528-0018



Trace: 1

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Note
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.150	39.54	9.62	49.16	66.00	-16.84	QP	
2	0.150	23.60	9.62	33.22	56.00	-22.78	Average	
3	0.200	34.48	9.62	44.10	63.60	-19.50	QP	
4	0.200	17.51	9.62	27.13	53.60	-26.47	Average	
5	0.400	32.27	9.63	41.90	57.84	-15.94	QP	
6	0.400	24.23	9.63	33.86	47.84	-13.98	Average	
7	2.350	26.74	9.65	36.39	56.00	-19.61	QP	
8	2.350	20.28	9.65	29.93	46.00	-16.07	Average	
9	8.847	24.98	9.73	34.71	60.00	-25.29	QP	
10	8.847	12.59	9.73	22.32	50.00	-27.68	Average	
11	21.698	30.05	9.83	39.88	60.00	-20.12	QP	
12	21.698	18.82	9.83	28.65	50.00	-21.35	Average	



Trace: 1

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Note
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.170	33.74	9.61	43.35	64.97	-21.62	QP	
2	0.170	19.40	9.61	29.01	54.97	-25.96	Average	
3	0.400	32.28	9.62	41.90	57.84	-15.94	QP	
4	0.400	29.42	9.62	39.04	47.84	-8.80	Average	
5	0.543	20.75	9.62	30.37	56.00	-25.63	QP	
6	0.543	13.60	9.62	23.22	46.00	-22.78	Average	
7	2.269	28.85	9.64	38.49	56.00	-17.51	QP	
8	2.269	18.32	9.64	27.96	46.00	-18.04	Average	
9	7.771	22.96	9.72	32.68	60.00	-27.32	QP	
10	7.771	13.89	9.72	23.61	50.00	-26.39	Average	
11	21.590	28.77	9.78	38.55	60.00	-21.45	QP	
12	21.590	16.93	9.78	26.71	50.00	-23.29	Average	