

Test Report No.60364477 001

Appendix D: Radiated and Mains Spurious Emission Data

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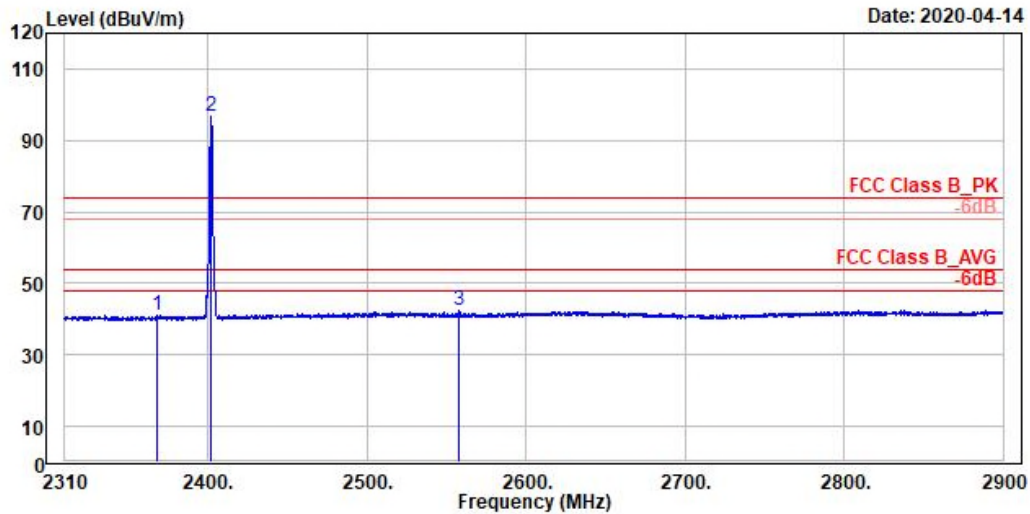
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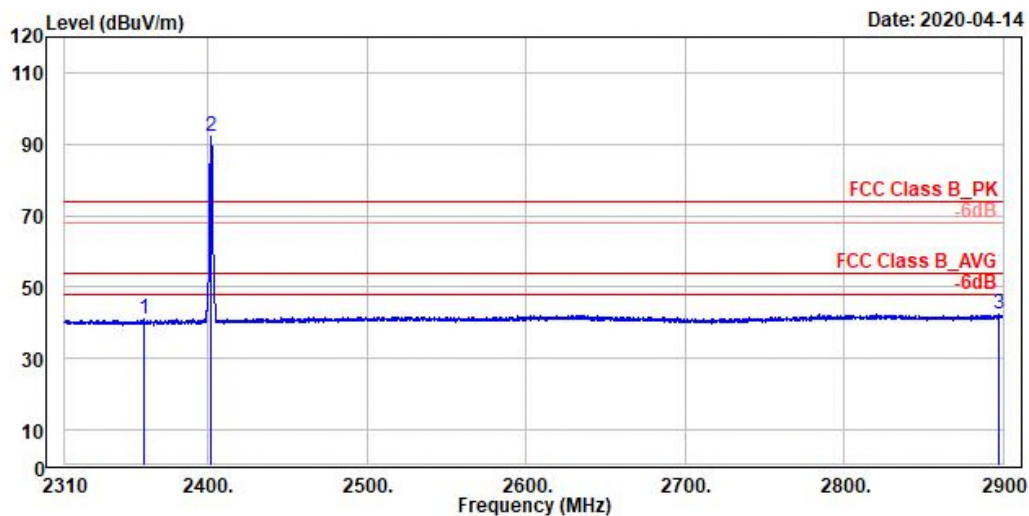
Spurious Emissions, Bandedge, 2402 MHz



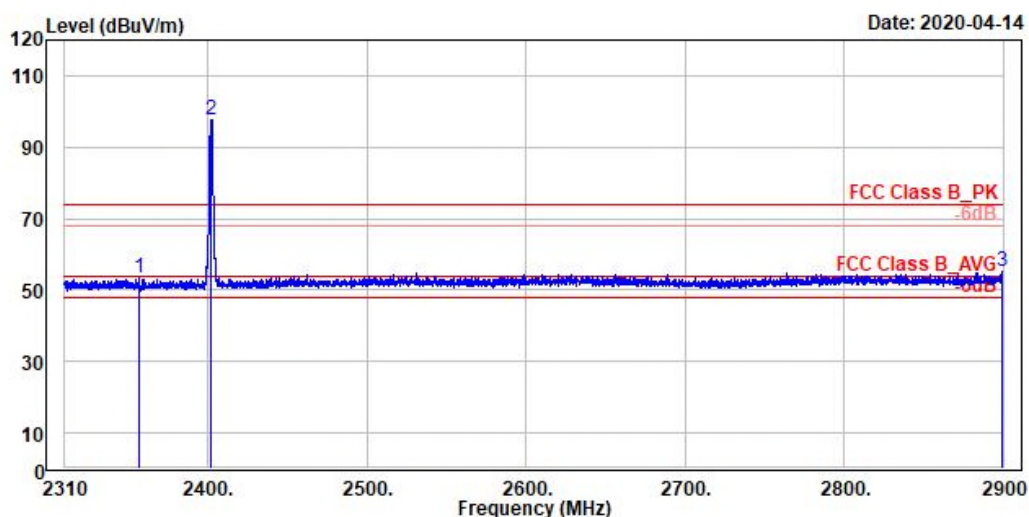
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



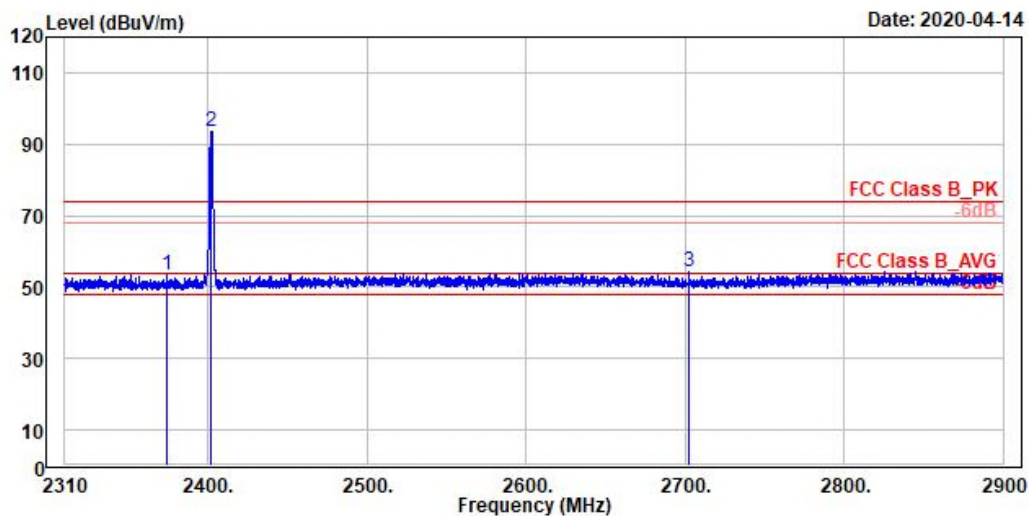
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1	2368.17	40.96	3.69	37.27	54.00	-13.04	348	200	Horizontal	Average
2 *	2402.00	96.71	59.34	37.37	54.00	42.71	348	200	Horizontal	Average
3	2557.80	42.41	4.55	37.86	54.00	-11.59	348	200	Horizontal	Average



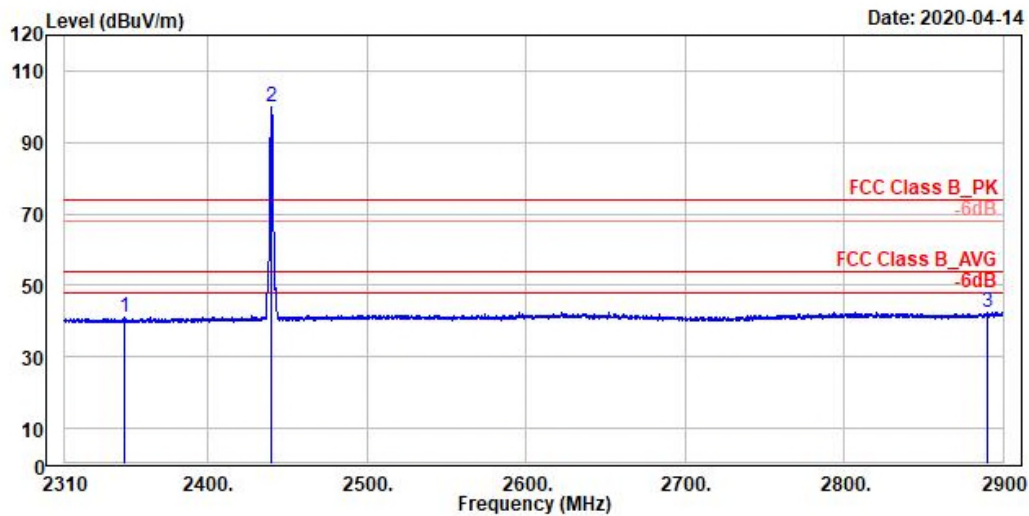
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2360.27	41.15	3.91	37.24	54.00	-12.85	102	141	Vertical	Average
2 *	2402.00	92.36	54.99	37.37	54.00	38.36	102	141	Vertical	Average
3	2897.05	42.30	3.99	38.31	54.00	-11.70	102	141	Vertical	Average



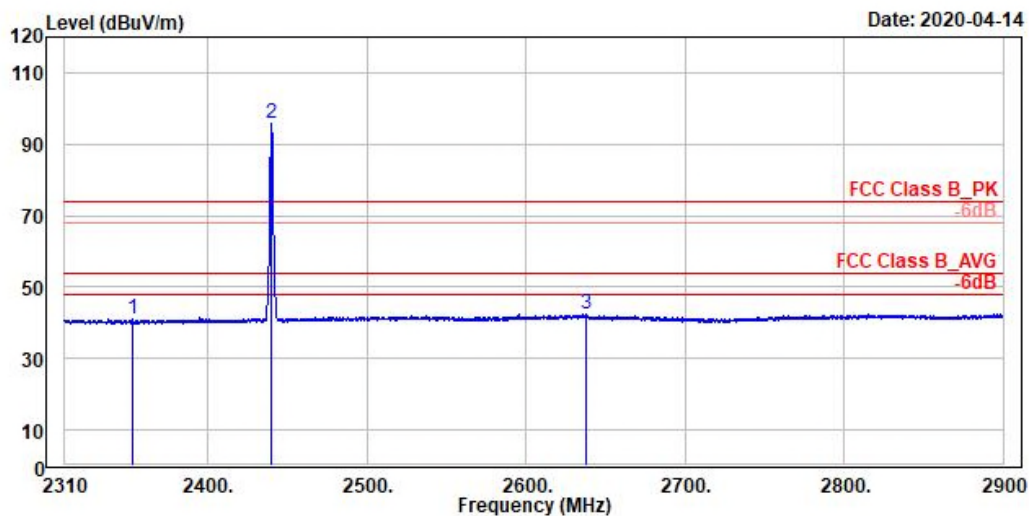
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1	2356.73	53.19	15.97	37.22	74.00	-20.81	348	200	Horizontal	Peak
2 *	2402.00	97.78	60.41	37.37	74.00	23.78	348	200	Horizontal	Peak
3	2899.76	55.20	16.88	38.32	74.00	-18.80	348	200	Horizontal	Peak



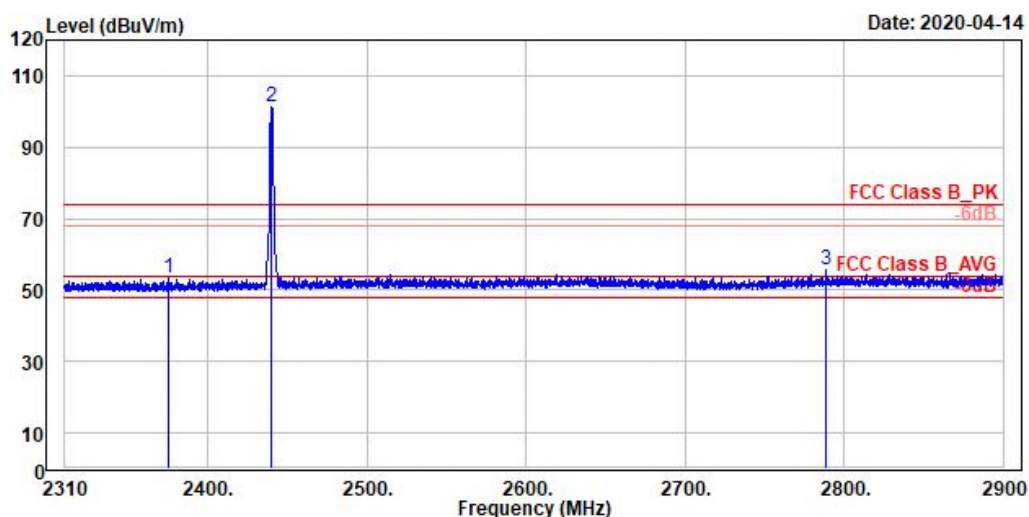
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1	2374.19	53.60	16.32	37.28	74.00	-20.40	102	141	Vertical	Peak
2 *	2402.00	93.42	56.05	37.37	74.00	19.42	102	141	Vertical	Peak
3	2702.11	54.38	16.58	37.80	74.00	-19.62	102	141	Vertical	Peak



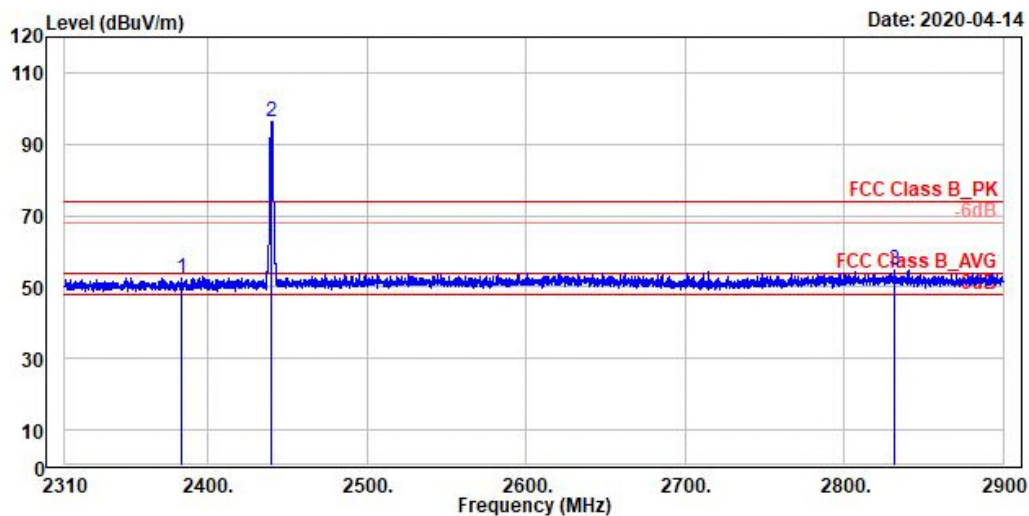
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	MHz	dBuV/m	Level	Factor	Line	Limit			
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2347.05	40.96	3.77	37.19	54.00	-13.04	378	194	Horizontal Average
2 *	2440.00	100.12	62.63	37.49	54.00	46.12	378	194	Horizontal Average
3	2889.97	42.44	4.17	38.27	54.00	-11.56	378	194	Horizontal Average



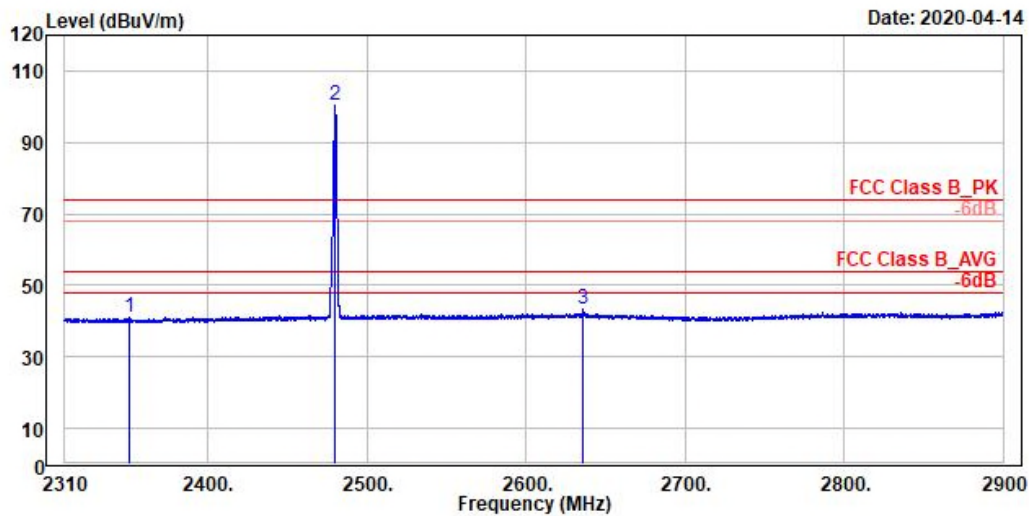
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2352.36	40.93	3.72	37.21	54.00	-13.07	100	141	Vertical	Average
2 *	2440.00	95.98	58.49	37.49	54.00	41.98	100	141	Vertical	Average
3	2638.16	42.37	4.49	37.88	54.00	-11.63	100	141	Vertical	Average



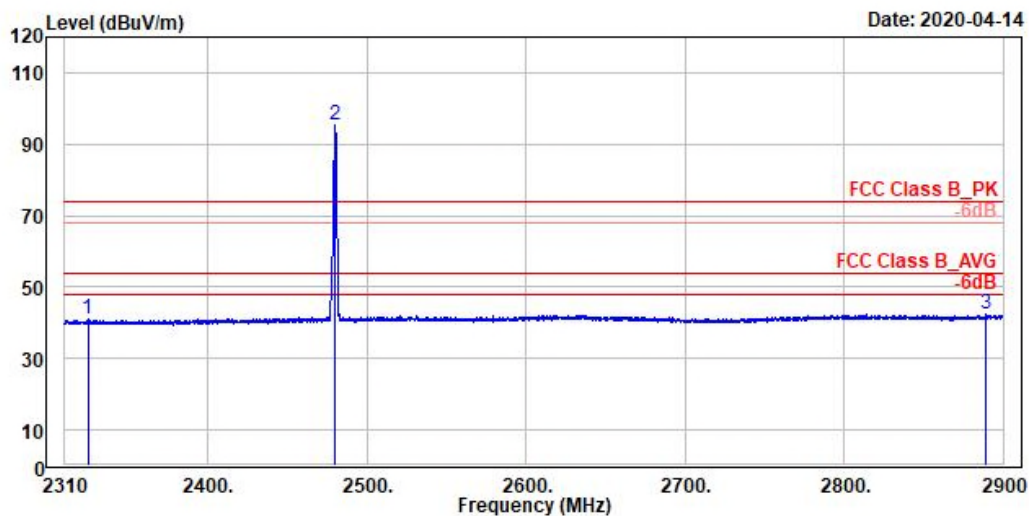
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1	2375.14	53.38	16.09	37.29	74.00	-20.62	378	194	Horizontal	Peak
2 *	2440.00	101.15	63.66	37.49	74.00	27.15	378	194	Horizontal	Peak
3	2788.96	55.56	17.66	37.90	74.00	-18.44	378	194	Horizontal	Peak



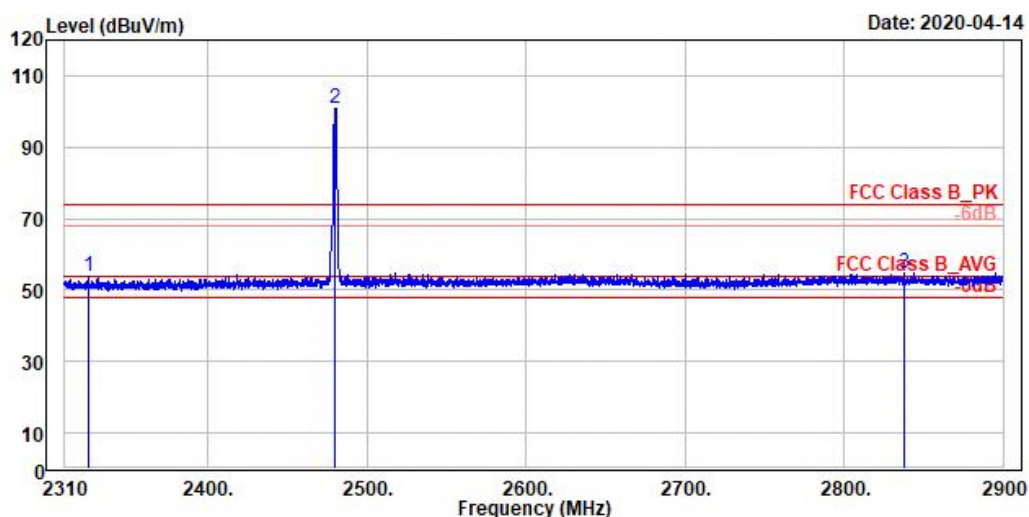
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Pol/Phase	Remark
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1	2383.75	52.58	15.26	37.32	74.00	-21.42	100	141	Vertical	Peak
2 *	2440.00	96.44	58.95	37.49	74.00	22.44	100	141	Vertical	Peak
3	2831.91	54.96	16.95	38.01	74.00	-19.04	100	141	Vertical	Peak



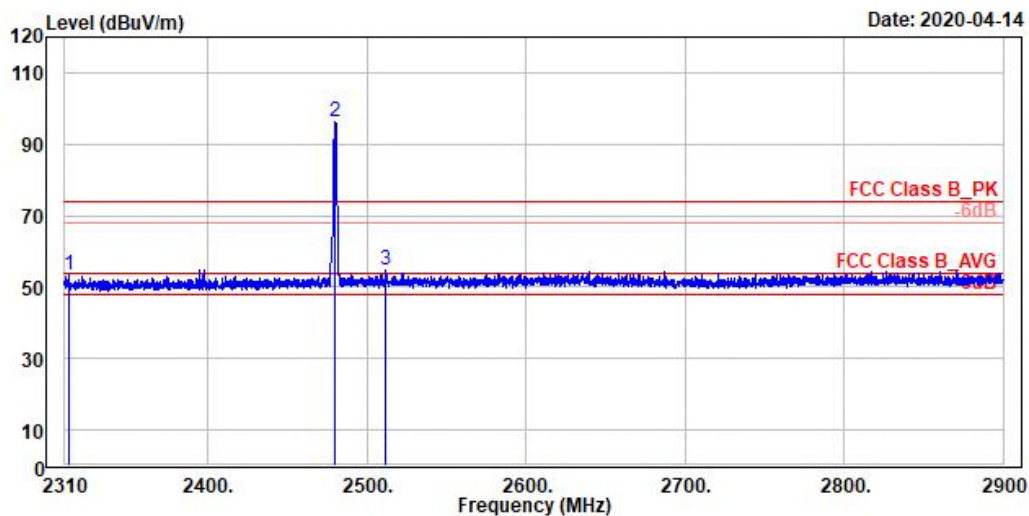
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2350.24	40.86	3.65	37.21	54.00	-13.14	362	195	Horizontal	Average
2 *	2480.00	100.39	62.83	37.56	54.00	46.39	362	195	Horizontal	Average
3	2635.80	43.48	5.59	37.89	54.00	-10.52	362	195	Horizontal	Average



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2324.40	40.95	3.82	37.13	54.00	-13.05	100	141	Vertical	Average
2 *	2480.00	95.49	57.93	37.56	54.00	41.49	100	141	Vertical	Average
3	2889.50	42.46	4.19	38.27	54.00	-11.54	100	141	Vertical	Average



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2325.22	53.72	16.59	37.13	74.00	-20.28	362	195	Horizontal	Peak
2 *	2480.00	100.98	63.42	37.56	74.00	26.98	362	195	Horizontal	Peak
3	2837.58	54.73	16.70	38.03	74.00	-19.27	362	195	Horizontal	Peak



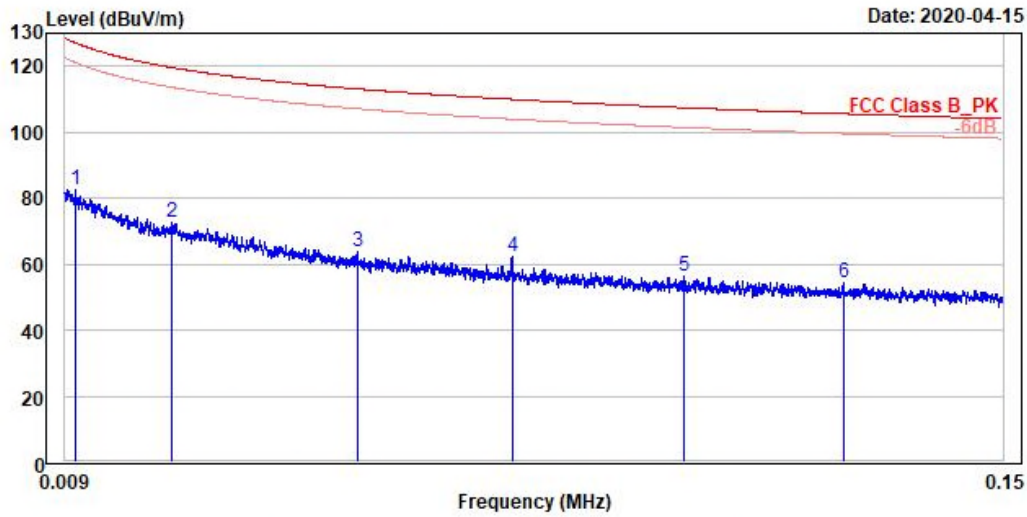
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2312.71	53.49	16.40	37.09	74.00	-20.51	100	141	Vertical	Peak
2 *	2480.00	96.09	58.53	37.56	74.00	22.09	100	141	Vertical	Peak
3	2511.54	54.53	16.89	37.64	74.00	-19.47	100	141	Vertical	Peak

Spurious Emissions, TX Mode, 9kHz-30MHz

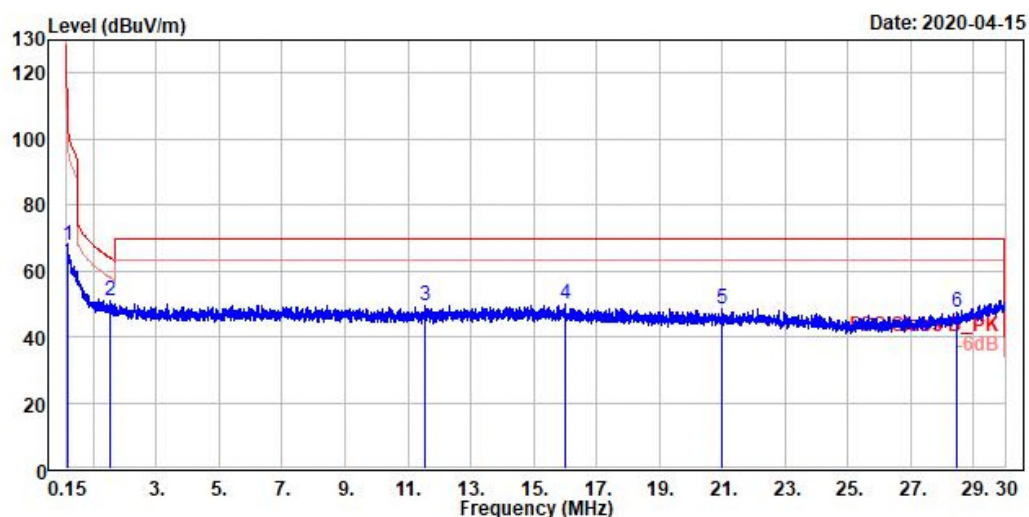
2440 MHz



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	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.01	82.41	3.98	78.43	127.04	-44.63	100	100	Vertical	QP
2	0.03	72.72	1.11	71.61	119.58	-46.86	100	335	Vertical	QP
3	0.05	63.66	-0.98	64.64	113.12	-49.46	100	275	Vertical	QP
4	0.08	62.14	0.47	61.67	109.95	-47.81	100	7	Vertical	QP
5	0.10	56.58	-2.55	59.13	107.42	-50.84	100	35	Vertical	QP
6	0.13	54.37	-3.37	57.74	105.59	-51.22	100	139	Vertical	QP



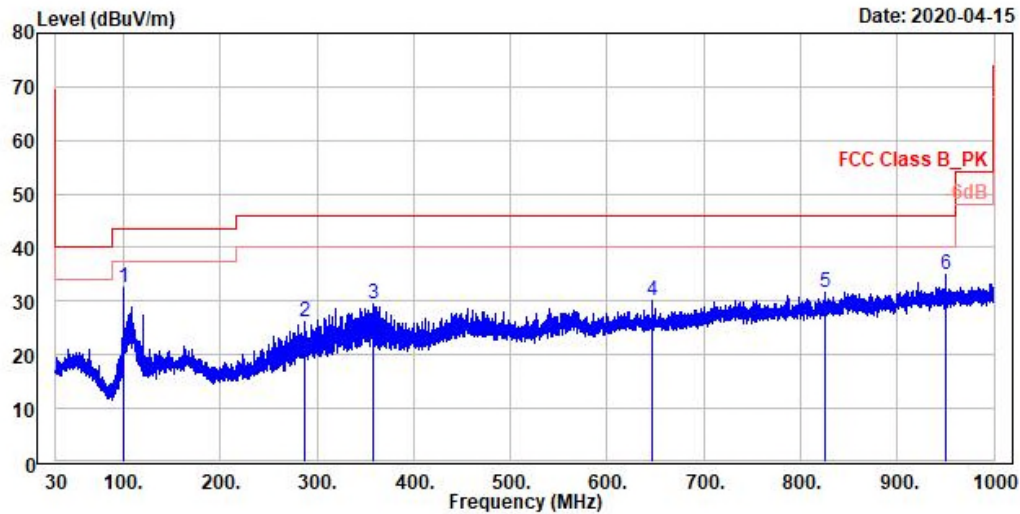
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.19	67.61	13.51	54.10	102.08	-34.47	100	179	vertical	QP
2	1.53	51.01	11.70	39.31	63.92	-12.91	100	218	vertical	QP
3	11.54	49.60	12.35	37.25	69.50	-19.90	100	70	vertical	QP
4	16.03	49.81	12.29	37.52	69.50	-19.69	100	96	vertical	QP
5	21.01	48.32	12.26	36.06	69.50	-21.18	100	45	vertical	QP
6	28.47	47.21	11.12	36.09	69.50	-22.29	100	63	vertical	QP

Spurious Emissions, TX Mode, 30MHz-1GHz

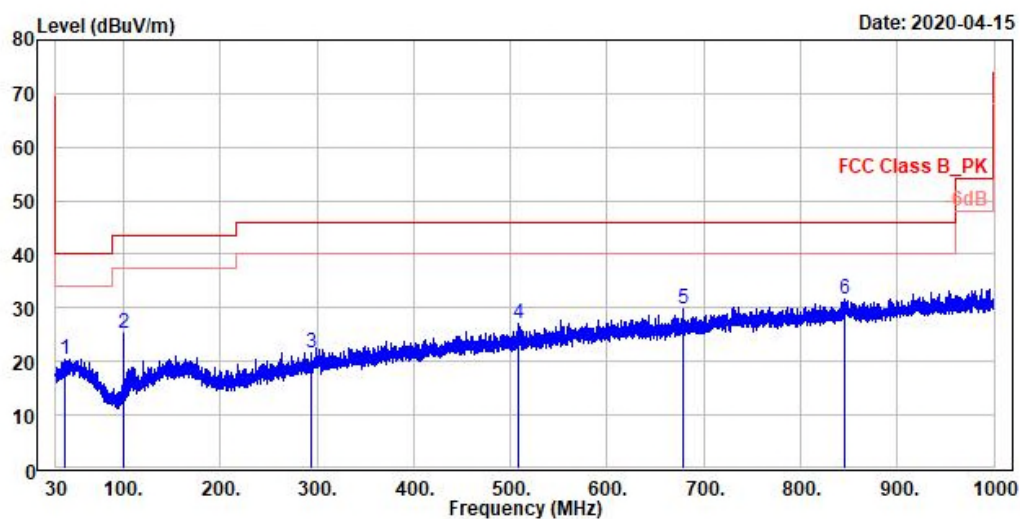
2440 MHz



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		
	MHz	dBuV/m	Level	Factor	Line	Limit			Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	100.03	32.49	45.19	-12.70	43.50	-11.01	200	184	horizontal	QP
2	288.02	26.20	32.95	-6.75	46.00	-19.80	100	311	horizontal	QP
3	357.67	29.47	35.07	-5.60	46.00	-16.53	100	102	horizontal	QP
4	646.82	30.05	30.64	-0.59	46.00	-15.95	200	264	horizontal	QP
5	824.82	31.68	29.50	2.18	46.00	-14.32	151	360	horizontal	QP
6	950.82	35.13	30.90	4.23	46.00	-10.87	100	82	horizontal	QP



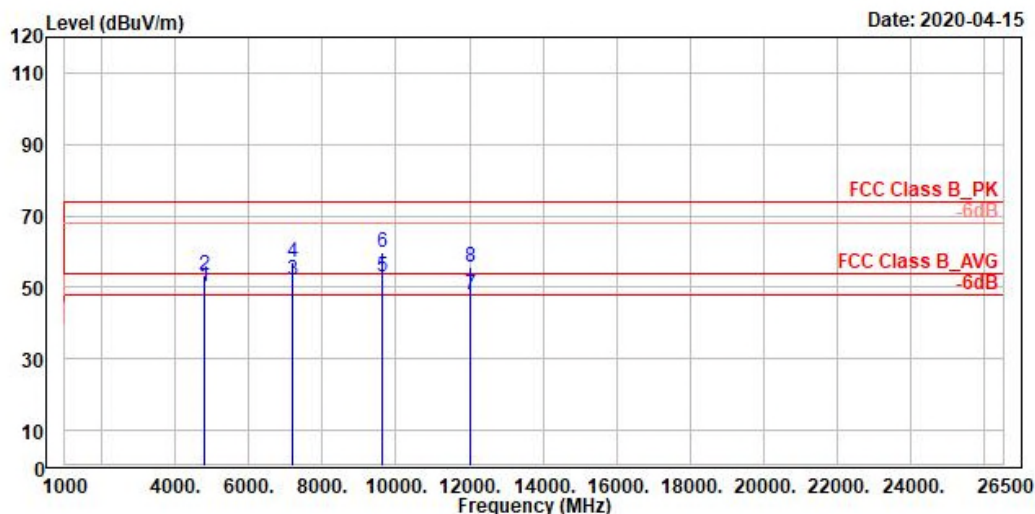
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	39.22	20.45	28.57	-8.12	40.00	-19.55	100	176	vertical	QP
2	99.94	25.10	37.82	-12.72	43.50	-18.40	200	123	vertical	QP
3	294.03	21.69	28.28	-6.59	46.00	-24.31	100	241	vertical	QP
4	509.08	27.07	30.08	-3.01	46.00	-18.93	100	308	vertical	QP
5	678.15	29.82	30.06	-0.24	46.00	-16.18	100	56	vertical	QP
6	845.58	31.75	29.40	2.35	46.00	-14.25	197	360	vertical	QP

Spurious Emissions, TX Mode, 1GHz-26.5GHz

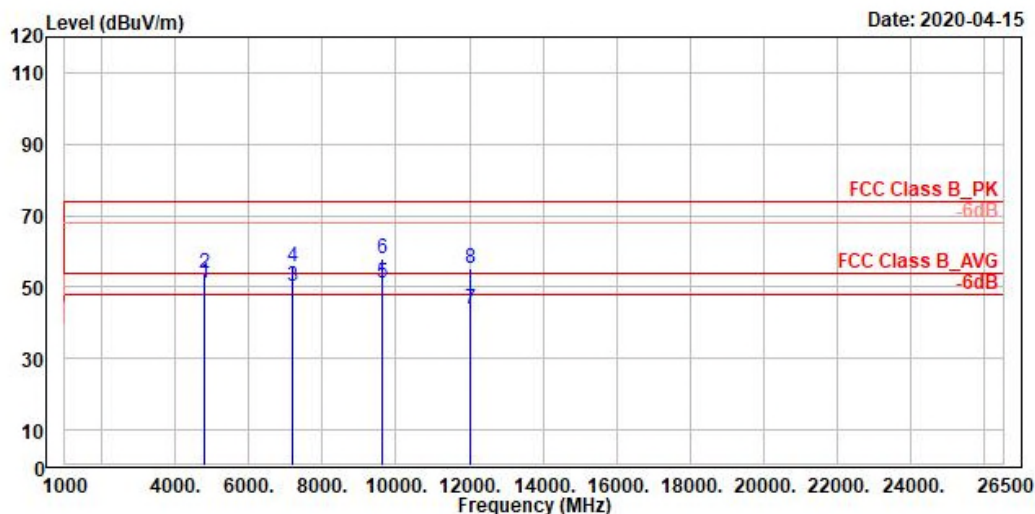
2402 MHz



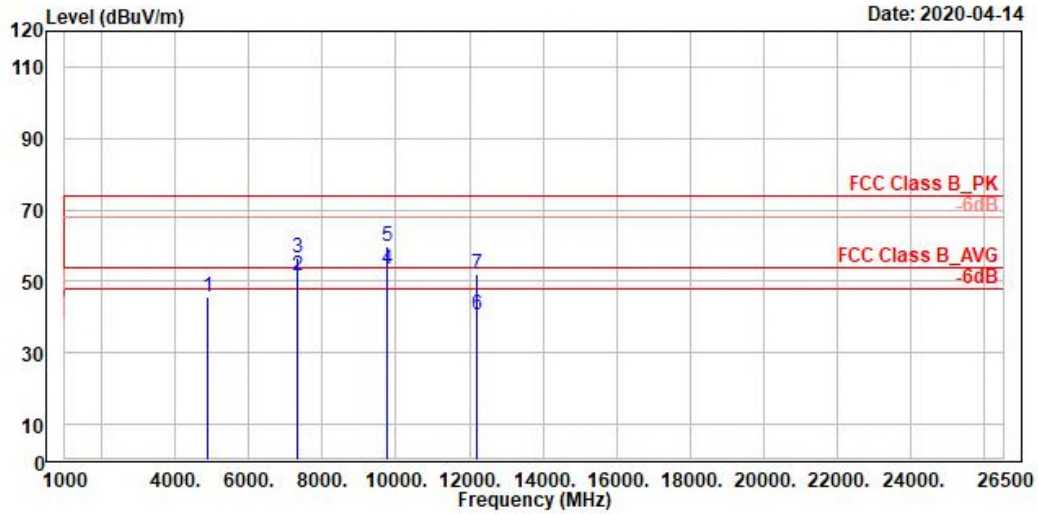
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



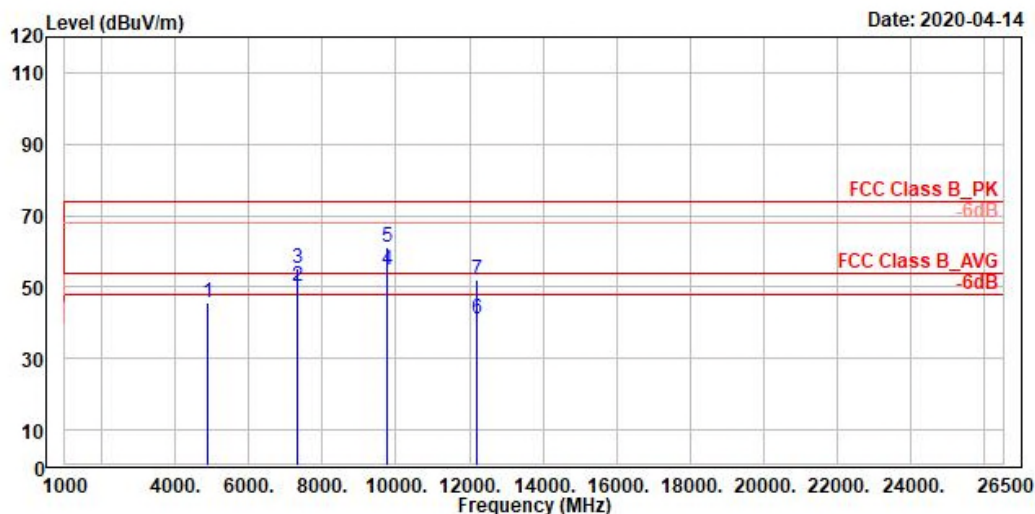
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 !	4804.00	50.15	60.35	-10.20	54.00	-3.85	396	157	horizontal	Average
2	4804.00	53.53	63.73	-10.20	74.00	-20.47	396	157	horizontal	Peak
3 !	7206.00	52.04	59.69	-7.65	54.00	-1.96	100	200	horizontal	Average
4	7206.00	56.93	64.58	-7.65	74.00	-17.07	100	200	horizontal	Peak
5 !	9608.00	52.89	58.18	-5.29	54.00	-1.11	297	189	horizontal	Average
6	9608.00	59.72	65.01	-5.29	74.00	-14.28	297	189	horizontal	Peak
7	12010.00	47.97	48.74	-0.77	54.00	-6.03	207	161	horizontal	Average
8	12010.00	55.63	56.40	-0.77	74.00	-18.37	207	161	horizontal	Peak



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 !	4804.00	51.27	61.47	-10.20	54.00	-2.73	396	169	vertical	Average
2	4804.00	53.98	64.18	-10.20	74.00	-20.02	396	169	vertical	Peak
3 !	7206.00	50.34	57.99	-7.65	54.00	-3.66	301	213	vertical	Average
4	7206.00	55.58	63.23	-7.65	74.00	-18.42	301	213	vertical	Peak
5 !	9608.00	51.06	56.35	-5.29	54.00	-2.94	100	195	vertical	Average
6	9608.00	58.17	63.46	-5.29	74.00	-15.83	100	195	vertical	Peak
7	12010.00	44.02	44.79	-0.77	54.00	-9.98	112	114	vertical	Average
8	12010.00	55.15	55.92	-0.77	74.00	-18.85	112	114	vertical	Peak



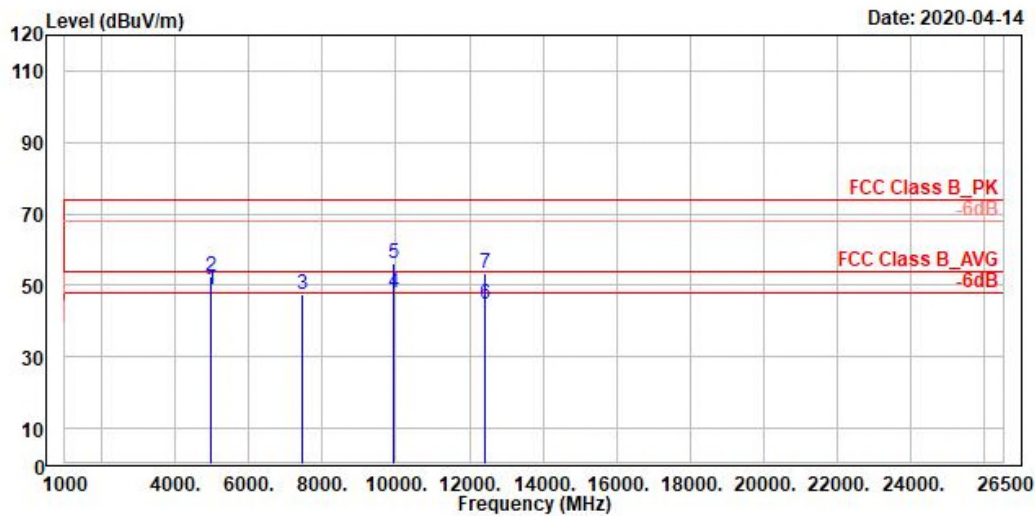
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	MHz	dBuV/m	Level	Line	Limit					
			Factor							
			dB/m	dBuV/m	dB	cm	deg			
1	4880.00	45.69	55.75	-10.06	74.00	-28.31	300	277 Peak	horizontal	
2 !	7320.00	51.75	59.53	-7.78	54.00	-2.25	287	199 Average	horizontal	
3	7320.00	56.75	64.53	-7.78	74.00	-17.25	287	199 Peak	horizontal	
4 !	9760.00	53.29	58.25	-4.96	54.00	-0.71	107	201 Average	horizontal	Non-RB
5	9760.00	59.73	64.69	-4.96	74.00	-14.27	107	201 Peak	horizontal	Non-RB
6	12200.00	40.73	41.16	-0.43	54.00	-13.27	101	353 Average	horizontal	
7	12200.00	51.92	52.35	-0.43	74.00	-22.08	101	353 Peak	horizontal	



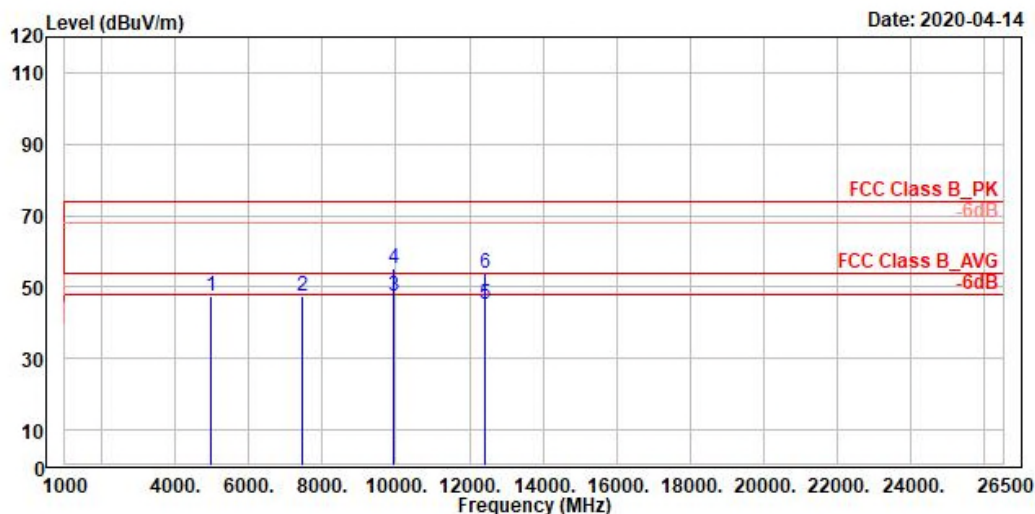
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Level	Factor	Line	Limit				
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4880.00	45.65	55.71	-10.06	74.00	-28.35	300	179 Peak	vertical	
2 !	7320.00	49.97	57.75	-7.78	54.00	-4.03	302	195 Average	vertical	
3	7320.00	55.14	62.92	-7.78	74.00	-18.86	302	195 Peak	vertical	
4 *	9760.00	54.68	59.64	-4.96	54.00	0.68	310	106 Average	vertical	Non-RB
5	9760.00	61.20	66.16	-4.96	74.00	-12.80	310	106 Peak	vertical	Non-RB
6	12200.00	41.04	41.47	-0.43	54.00	-12.96	100	105 Average	vertical	
7	12200.00	51.91	52.34	-0.43	74.00	-22.09	100	105 Peak	vertical	



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	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 !	4960.00	49.02	58.78	-9.76	54.00	-4.98	395	145	horizontal	Average
2	4960.00	52.69	62.45	-9.76	74.00	-21.31	395	145	horizontal	Peak
3	7440.00	47.46	55.18	-7.72	74.00	-26.54	300	181	horizontal	Peak
4	9920.00	47.83	52.51	-4.68	54.00	-6.17	255	220	horizontal	Average
5	9920.00	56.06	60.74	-4.68	74.00	-17.94	255	220	horizontal	Peak
6	12400.00	44.85	45.02	-0.17	54.00	-9.15	233	184	horizontal	Average
7	12400.00	53.57	53.74	-0.17	74.00	-20.43	233	184	horizontal	Peak

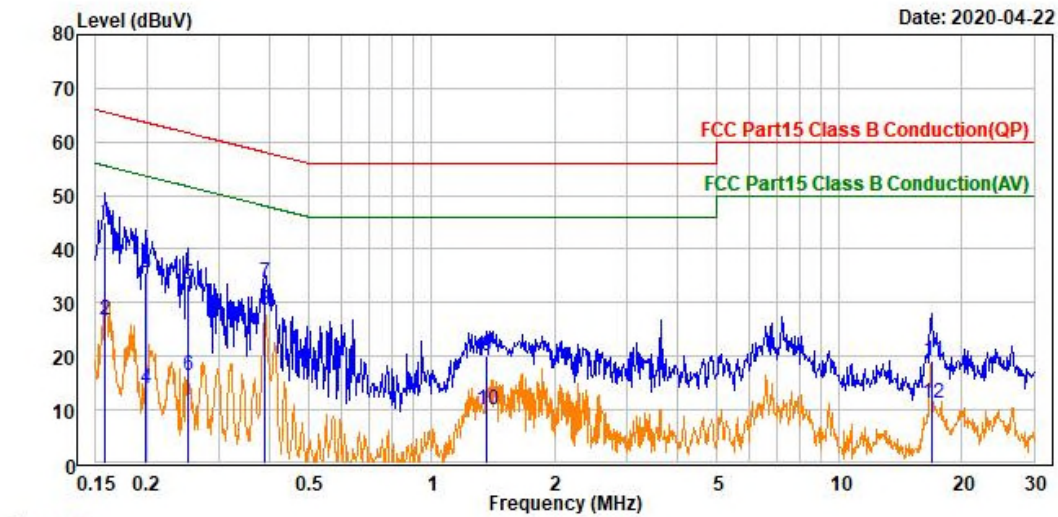


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.00	47.55	57.31	-9.76	74.00	-26.45	300	157	vertical	Peak
2	7440.00	47.61	55.33	-7.72	74.00	-26.39	100	14	vertical	Peak
3	9920.00	47.43	52.11	-4.68	54.00	-6.57	310	105	vertical	Average
4	9920.00	55.25	59.93	-4.68	74.00	-18.75	310	105	vertical	Peak
5	12400.00	45.33	45.50	-0.17	54.00	-8.67	100	74	vertical	Average
6	12400.00	53.96	54.13	-0.17	74.00	-20.04	100	74	vertical	Peak

Spurious Emissions, AC Mains

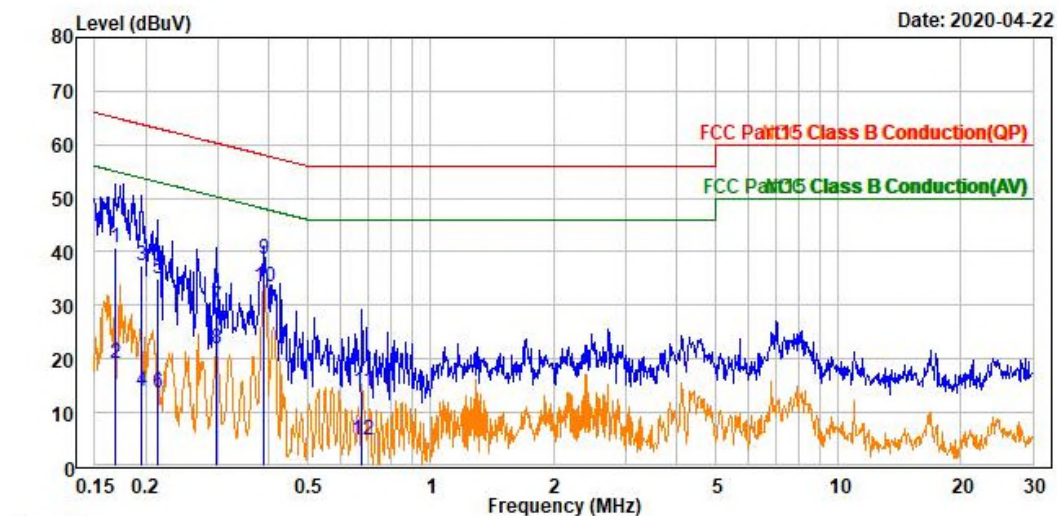


TUV Rheinland Taiwan Ltd(New Taipei City Branch).
No. 458-19, Sec. 2, Fenliao Rd., Linkou Dist., New Taipei City 244
Tel:+886-2172-1000 Fax:+886-2172-1322



Trace: 1

	Freq	Read	Factor	Level	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dB	dBuV	dB			
1	0.158	35.01	10.11	45.12	-20.42	QP	line1	
2	0.158	16.65	10.11	26.76	-28.78	Average	line1	
3	0.198	25.36	10.11	35.47	-28.21	QP	line1	
4	0.198	4.00	10.11	14.11	-39.57	Average	line1	
5	0.252	23.27	10.11	33.38	-28.31	QP	line1	
6	0.252	6.31	10.11	16.42	-35.27	Average	line1	
7	0.391	23.67	10.12	33.79	-24.26	QP	line1	
8	0.391	18.54	10.12	28.66	-19.39	Average	line1	
9	1.365	9.83	10.15	19.98	-36.02	QP	line1	
10	1.365	-0.13	10.15	10.02	-35.98	Average	line1	
11	16.912	8.50	10.52	19.02	-40.98	QP	line1	
12	16.912	0.64	10.52	11.16	-38.84	Average	line1	



Trace: 1

	Freq	Read Level	Factor	Level	Over Limit	Remark	Pol/Phase	Note
	MHz	dBuV	dB	dBuV	dB			
1	0.168	30.72	10.11	40.83	-24.22	QP	neutral	
2	0.168	9.19	10.11	19.30	-35.75	Average	neutral	
3	0.195	27.28	10.11	37.39	-26.42	QP	neutral	
4	0.195	3.86	10.11	13.97	-39.84	Average	neutral	
5	0.215	24.93	10.11	35.04	-27.98	QP	neutral	
6	0.215	3.52	10.11	13.63	-39.39	Average	neutral	
7	0.298	19.64	10.10	29.74	-30.55	QP	neutral	
8	0.298	11.66	10.10	21.76	-28.53	Average	neutral	
9	0.391	28.49	10.11	38.60	-19.45	QP	neutral	
10	0.391	23.31	10.11	33.42	-14.63	Average	neutral	
11	0.679	3.72	10.12	13.84	-42.16	QP	neutral	
12	0.679	-5.34	10.12	4.78	-41.22	Average	neutral	