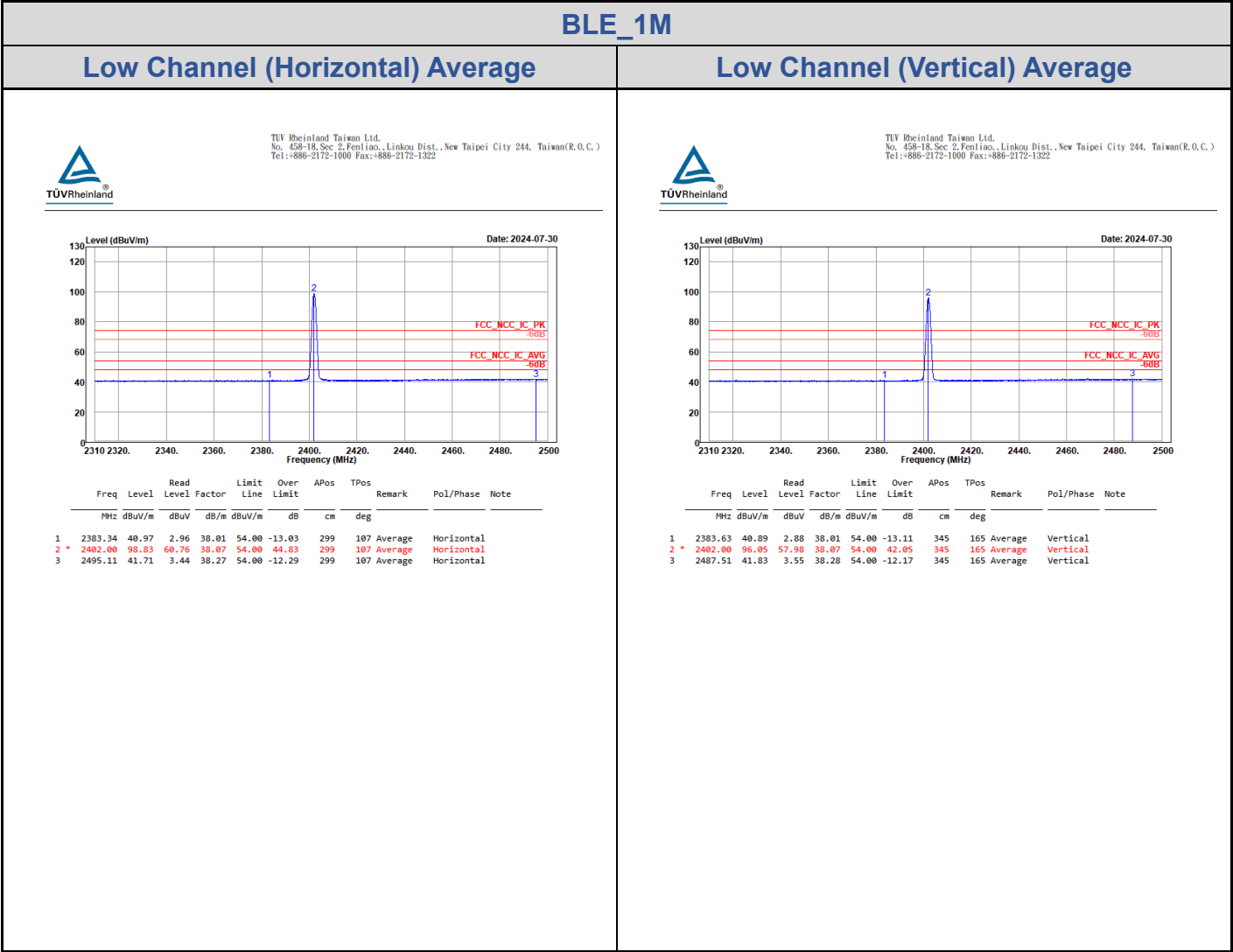


Appendix D: Test Results of Radiated Spurious Emissions & Mains

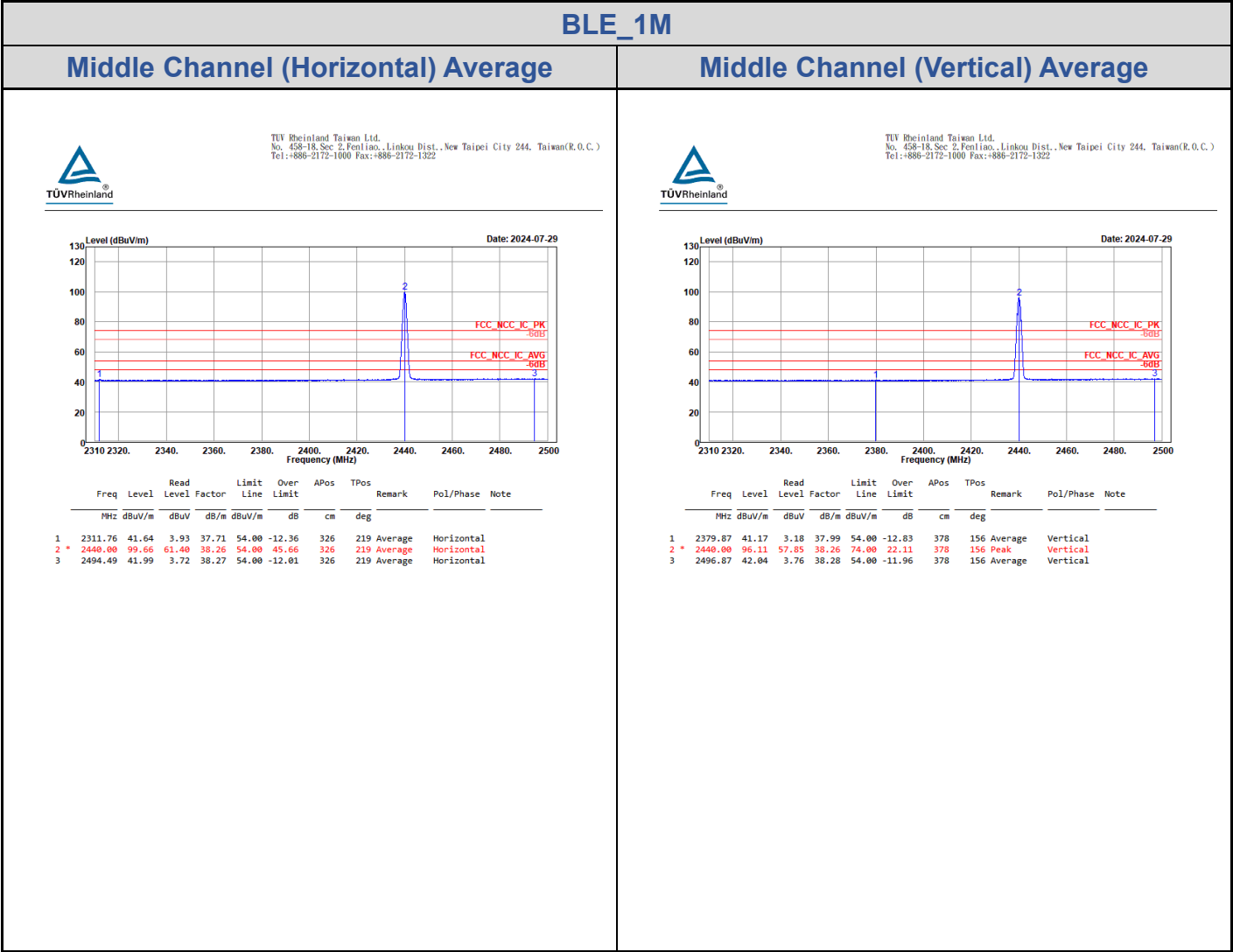
Radiated Emission Test for Series Model No. DK-9182D

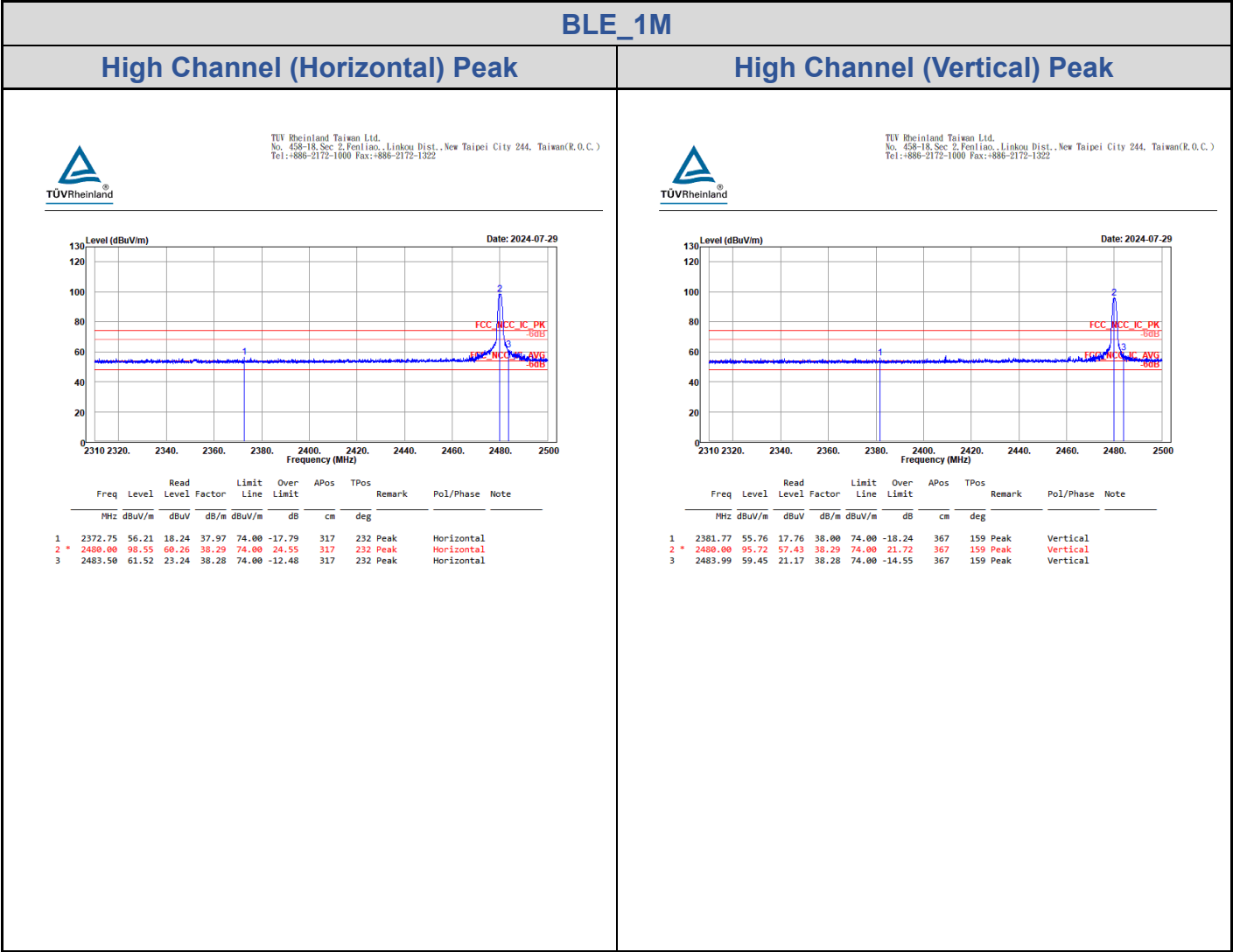
Band Edges, 2.31GHz ~ 2.5GHz

</



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2323.92	55.95	18.18	37.77	74.00	-18.95	378	156	Peak	Vertical	
2 *	2440.00	97.99	59.73	38.26	74.00	23.99	378	156	Peak	Vertical	
3	2489.46	55.70	17.42	38.26	74.00	-18.30	378	156	Peak	Vertical	



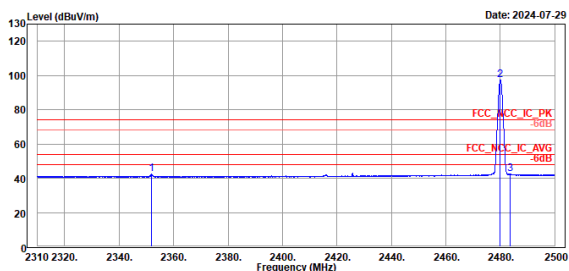


BLE_1M

High Channel (Horizontal) Average



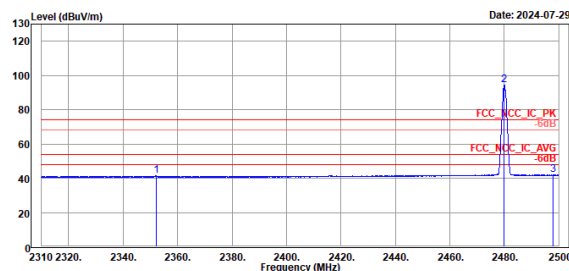
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	Freq	Level	Read dBuV	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV		dBuV/m	dB	cm	deg			
1	2351.99	42.33	4.43	37.90	54.00	-11.67	317	232	Average	Horizontal	
2 *	2488.00	97.46	59.17	38.29	54.00	43.46	317	232	Average	Horizontal	
3	2483.71	42.40	4.12	38.28	54.00	-11.60	317	232	Average	Horizontal	



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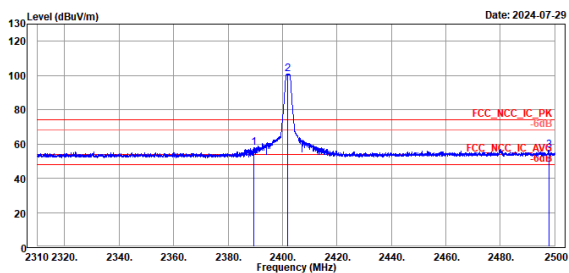
	Freq	Level	Read Line	Factor	Limit Line	Over Limit	Apos	Tpos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2352.09	41.35	3.45	37.90	54.00	-12.65	367	159	Average	Vertical	
2 *	2480.00	94.56	56.27	38.29	54.00	40.56	367	159	Average	Vertical	
3	2490.05	42.03	3.76	38.27	54.00	-11.97	367	159	Average	Vertical	

BLE_2M

Low Channel (Horizontal) Peak



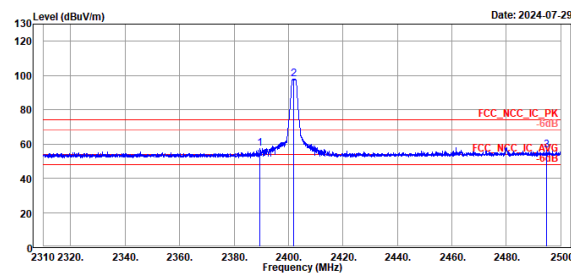
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2389.52	57.95	19.93	38.02	74.00	-16.05	344	221	Peak	Horizontal	
2 *	2402.00	100.76	62.69	38.07	74.00	26.76	344	221	Peak	Horizontal	
3	2497.77	56.51	18.24	38.27	74.00	-17.49	344	221	Peak	Horizontal	



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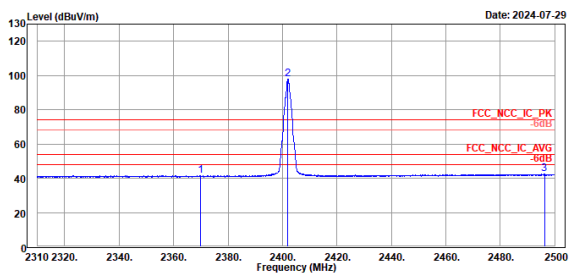
	Freq	Level	Read dBuV/m	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz		dBuV/m		dB/m	dBuV/m	dB	cm	deg		
1	2389.47	57.28	19.26	38.82	74.00	-16.72	342	168	Peak	Vertical	
2 *	2402.00	97.66	59.59	38.87	74.00	23.66	342	168	Peak	Vertical	
3	2494.87	56.19	17.92	38.27	74.00	-17.81	342	168	Peak	Vertical	

BLE_2M

Low Channel (Horizontal) Average



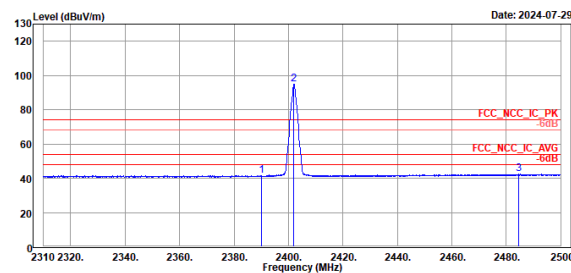
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	Freq	Level	Read dBuV	Revol Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2369.90	41.51	3.55	37.96	54.00	-12.49	344	221	Average	Horizontal	
2 *	2402.00	97.91	59.84	38.07	54.00	43.91	344	221	Average	Horizontal	
3	2496.20	42.61	4.33	38.28	54.00	-11.39	344	221	Average	Horizontal	

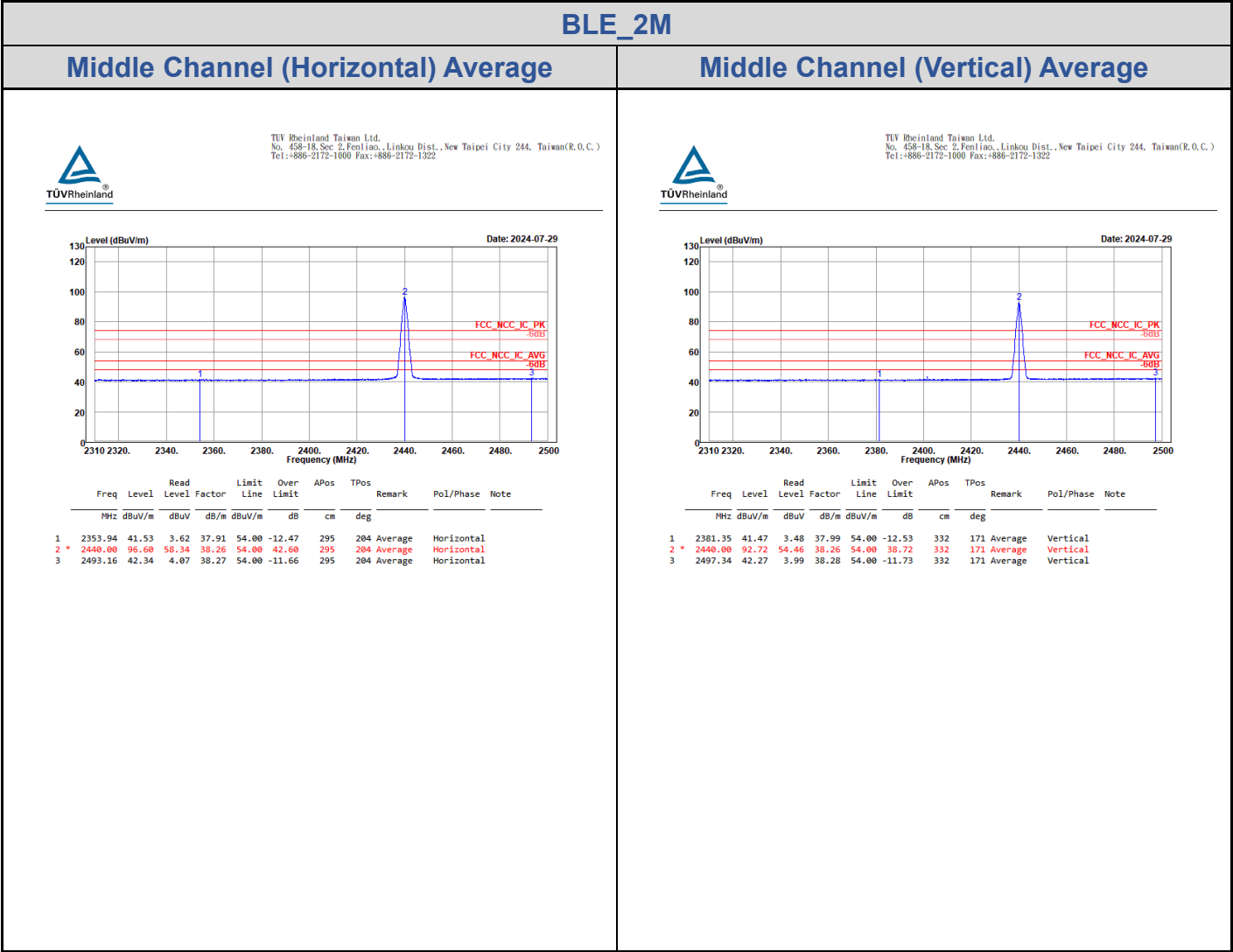


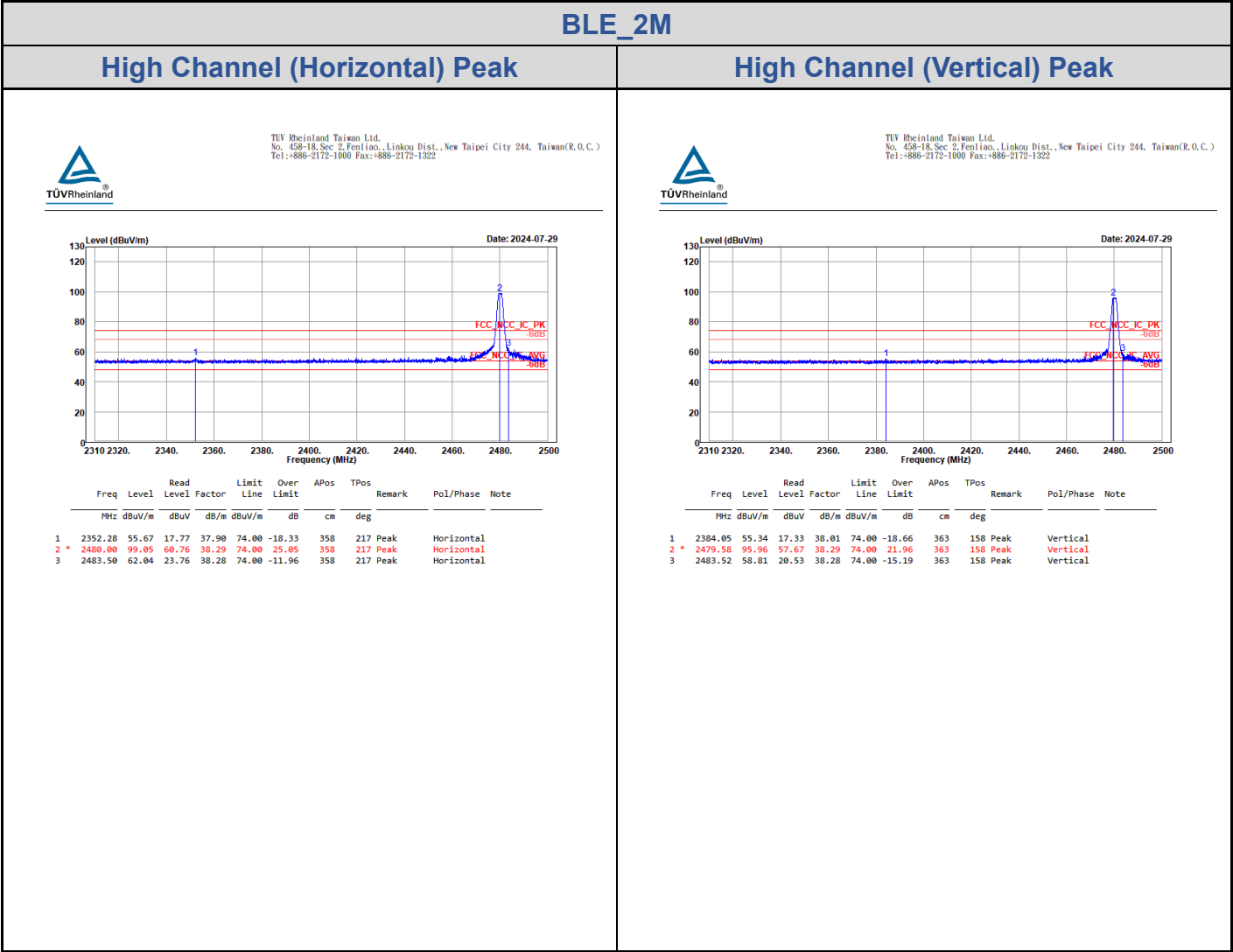
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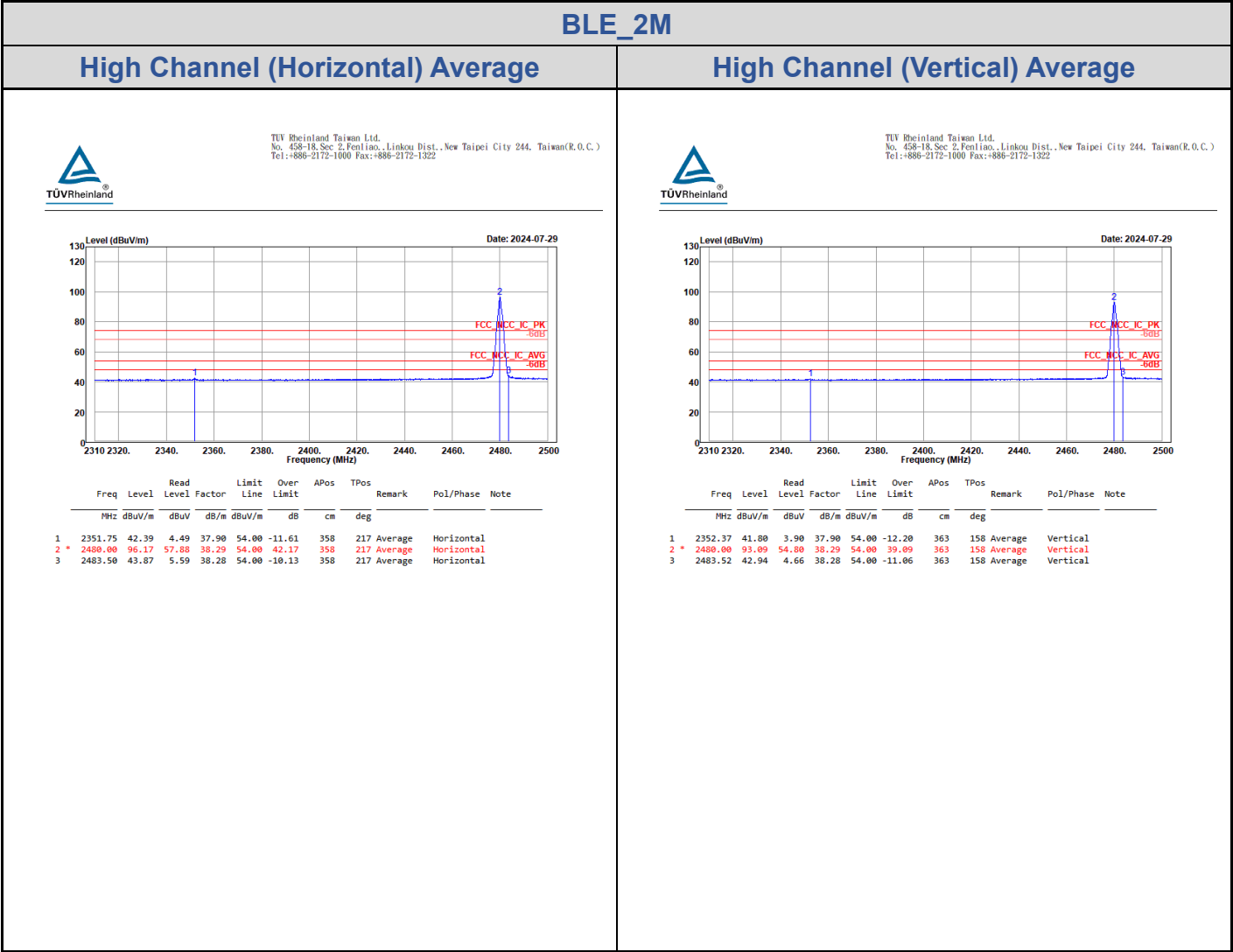


	Freq	Level	Read Line	Factor	Limit Line	Over Limit	Apos	Tpos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2389.99	41.61	3.59	38.82	54.00	-12.39	342	168	Average	Vertical	
2	2402.00	94.86	56.79	38.87	54.00	40.86	342	168	Average	Vertical	
3	2484.52	42.28	4.00	38.28	54.00	-11.72	342	168	Average	Vertical	

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2352.37	55.19	17.29	37.90	74.00	-18.81	332	171	Peak	Vertical	
2 *	2440.00	95.57	57.31	38.26	74.00	21.57	332	171	Peak	Vertical	
3	2490.72	55.95	17.68	38.27	74.00	-18.95	332	171	Peak	Vertical	







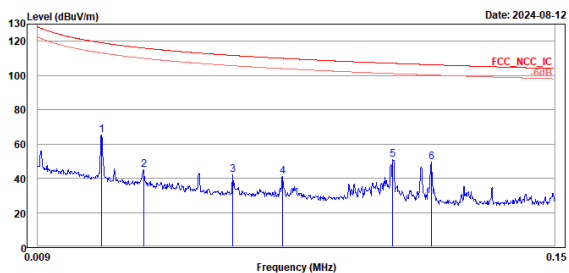
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

BLE 2M

High Channel (Open) 9kHz~150kHz



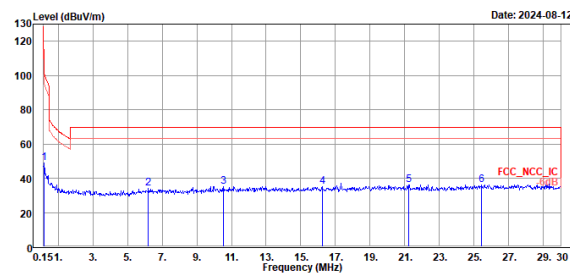
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	Freq	Level	Read Level	Limit	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
0	0.03	65.13	45.32	19.81	119.13	-54.00	100	141	Peak	Open
1	0.04	74.25	45.32	19.81	119.57	-116.02	-71.88	100	161	Peak
2	0.06	61.85	23.85	18.00	111.70	-69.85	100	64	Peak	Open
4	0.08	40.88	22.28	18.60	110.00	-69.12	100	360	Peak	Open
5	0.11	51.89	23.82	18.57	107.10	-56.01	100	161	Peak	Open
6	0.12	49.48	30.48	18.63	106.29	-51.01	100	161	Peak	Open



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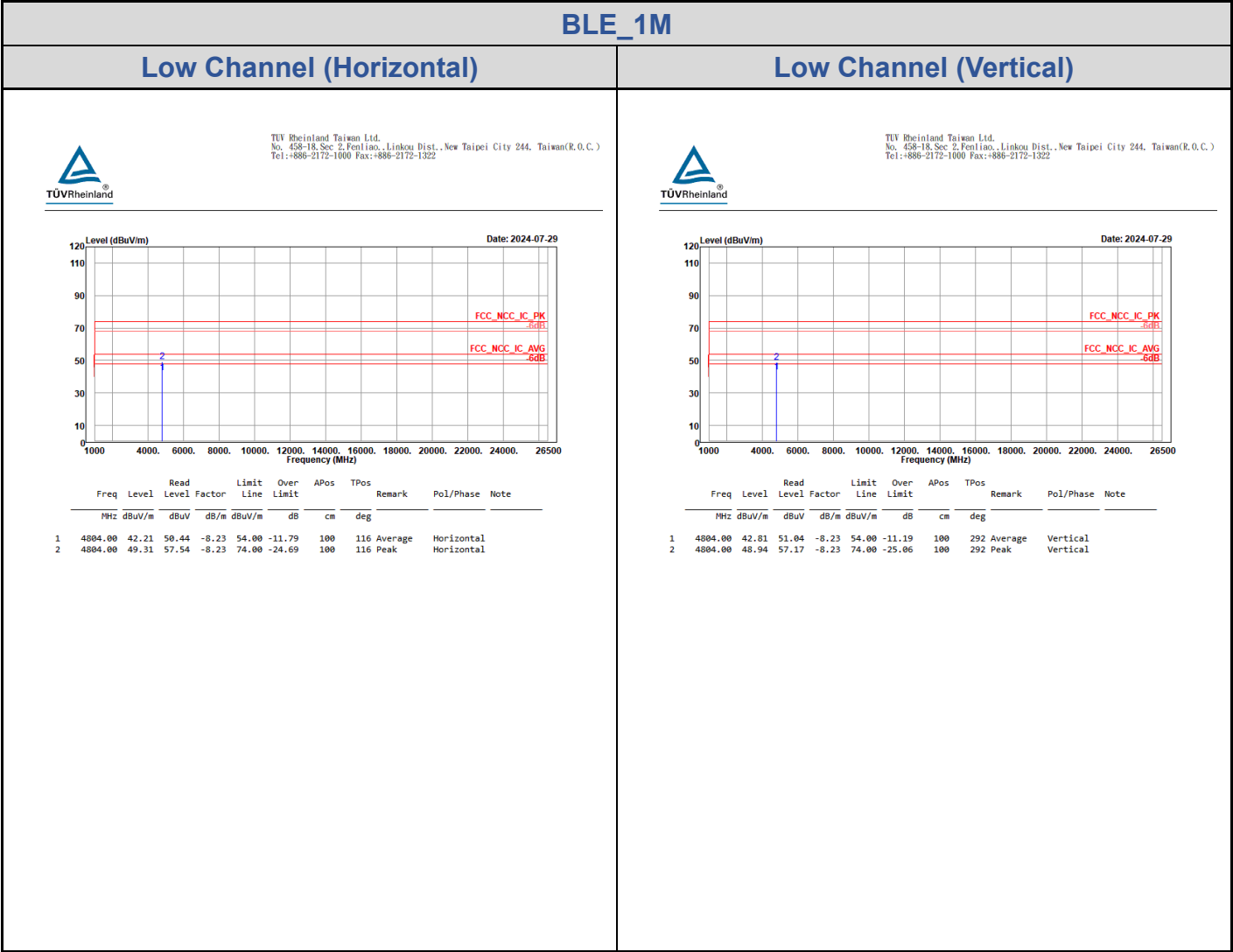


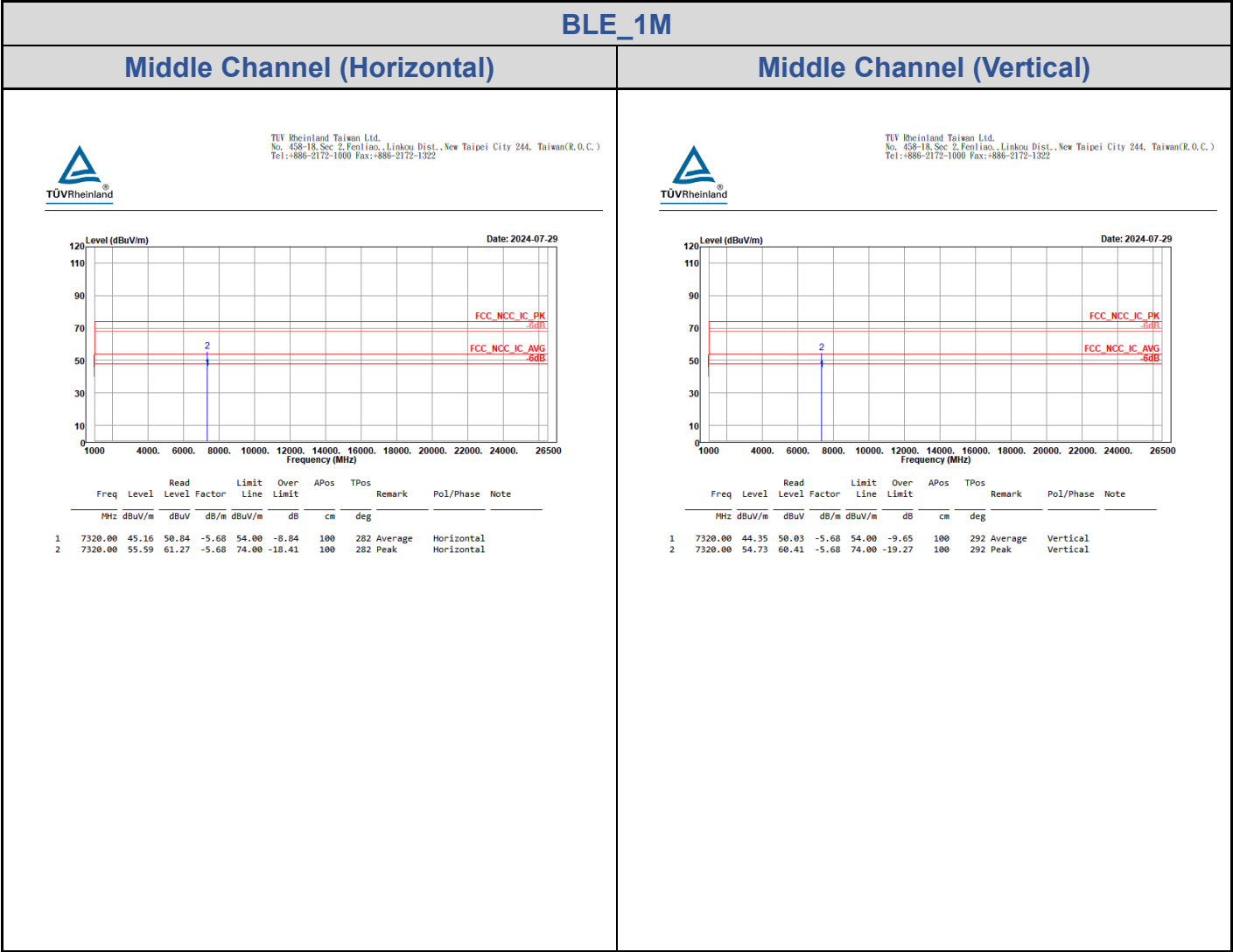
	Freq	Level	Level	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBu/mV	dBuV	dB/m	dBu/mV	dB	cm	deg		
1	0.21	48.08	29.67	19.13	101.17	-52.37	100	108	Peak	Open
2	34.24	35.29	12.70	20.95	69.50	-35.26	100	68	Peak	Open
3	10.54	35.29	13.85	21.44	69.50	-34.21	100	355	Peak	Open
4	16.24	34.89	12.81	22.08	69.50	-34.61	100	927	Peak	Open
5	21.22	36.13	13.75	23.28	69.50	-33.27	100	132	Peak	Open
6	25.43	36.25	13.53	23.04	69.50	-33.28	100	321	Peak	Open

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

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Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz





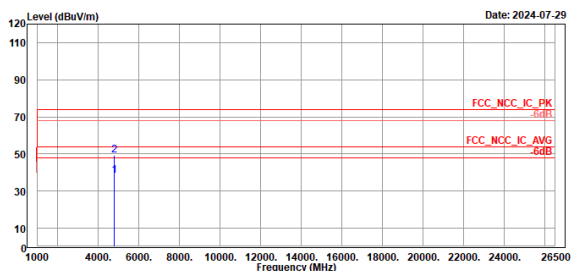
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	7440.00	48.60	54.33	-5.73	54.00	-5.40	100	118	Average	Vertical	
2	7440.00	58.83	64.56	-5.73	74.00	-15.17	100	118	Peak	Vertical	

BLE_2M

Low Channel (Horizontal)



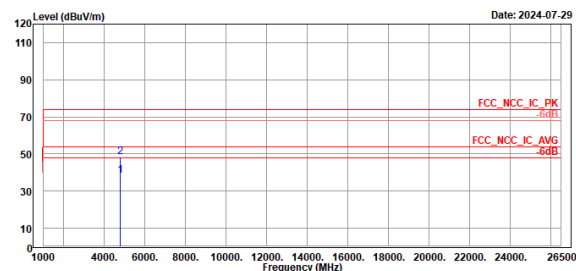
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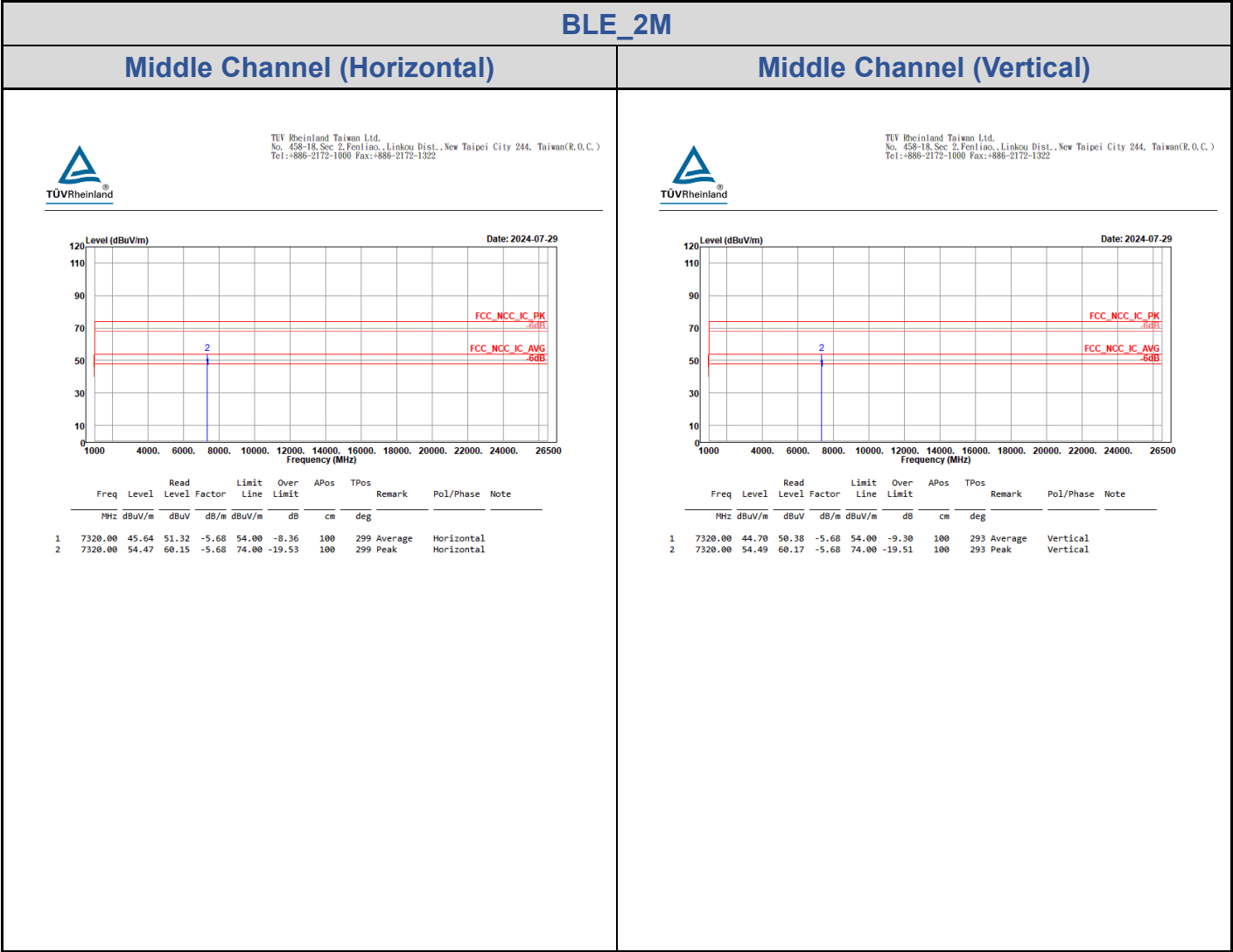
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4804.00	38.31	46.54	-8.23	54.00	-15.69	100	113	Average	Horizontal	
2	4804.00	49.17	57.40	-8.23	74.00	-24.83	100	113	Peak	Horizontal	

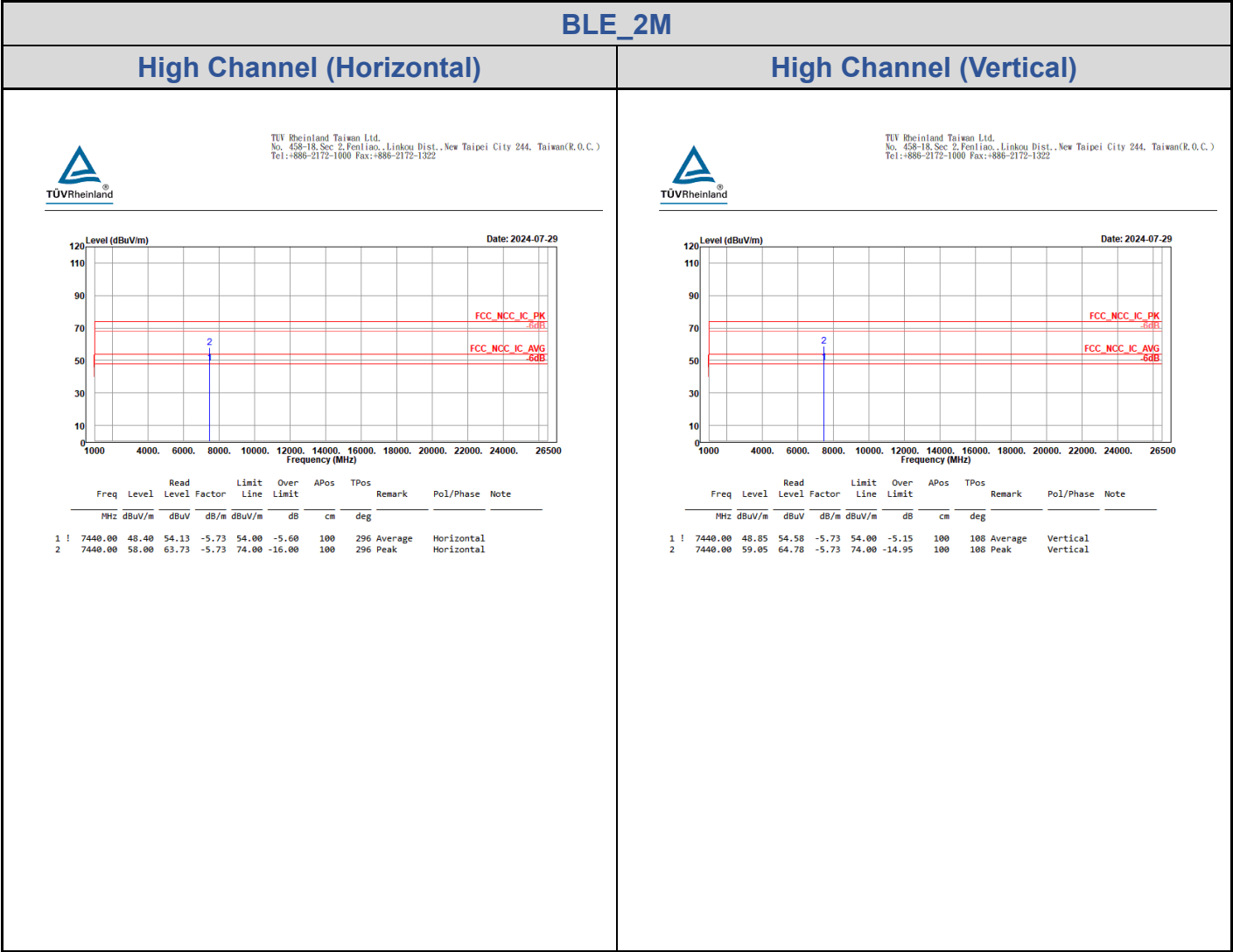


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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4804.00	38.52	46.75	-8.23	54.00	-15.48	100	287	Average	Vertical	
2	4804.00	48.15	56.38	-8.23	74.00	-25.85	100	287	Peak	Vertical	





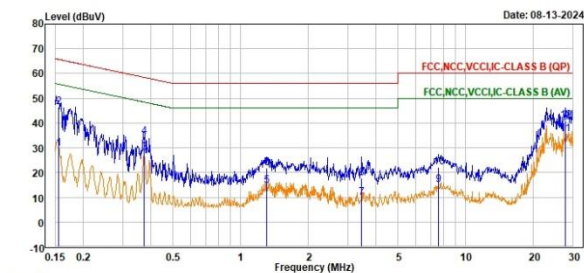
Mains Conducted Emission, Tx Mode, 150kHz ~ 30MHz

Worst Band

(Line)



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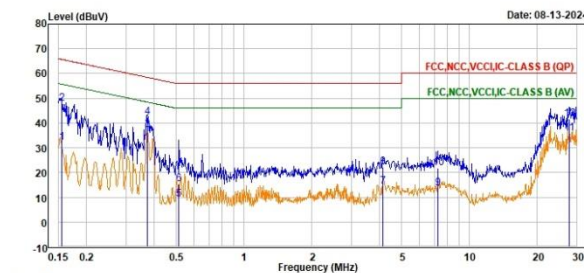


Trace: 1	Frequency (MHz)							
	Freq		Read Level Factor		Limit Line		Over Limit Remark	
	MHz	dBuV	dBuV	dB	dBuV	dB	Pol/Phase	Note
1	0.16	29.86	20.23	9.63	55.71	-25.85	Average	line1
2	0.16	46.51	36.88	9.63	65.71	-19.20	QP	line1
3	0.37	28.02	18.39	9.63	48.47	-30.08	Average	line1
4	0.37	34.62	24.99	9.63	58.47	-23.25	QP	line1
5	1.30	14.53	4.89	9.64	46.00	-31.47	Average	line1
6	1.30	21.99	12.35	9.64	56.00	-34.01	QP	line1
7	3.45	9.96	0.28	9.64	46.00	-36.36	Average	line1
8	3.45	17.70	8.02	9.68	56.00	-38.30	QP	line1
9	7.58	15.82	5.28	9.74	50.00	-38.98	Average	line1
10	7.58	22.13	12.39	9.74	60.00	-37.87	QP	line1
11	27.84	35.38	25.64	9.74	68.00	-25.14	Average	line1
12	27.84	42.16	31.42	9.74	68.00	-18.84	QP	line1

(Neutral)



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Trace: 1	Frequency (MHz)								
	Freq		Level		Read	Limit	Over	Pol/Phase	Note
			Factor		Limit	Remark			
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.15	31.96	22.33	9.63	55.75	-23.79	Average	neutral	
2	0.15	47.71	38.08	9.63	65.75	-18.04	QP	neutral	
3	0.37	37.32	27.69	9.63	58.47	-11.11	Average	neutral	
4	0.37	42.21	32.58	9.63	58.47	-16.26	QP	neutral	
5	0.51	9.20	-0.43	9.63	46.00	-36.80	Average	QP	neutral
6	0.51	15.21	5.58	9.63	56.00	-40.79	QP	neutral	
7	1.14	44.44	4.75	9.68	56.00	-31.21	Average	QP	neutral
8	4.15	22.32	12.63	9.69	50.00	-33.68	QP	neutral	
9	7.25	13.60	3.85	9.75	56.00	-36.40	Average	QP	neutral
10	7.25	21.82	12.07	9.75	60.00	-38.16	QP	neutral	
11	27.87	35.69	25.01	9.68	60.00	-11.11	Average	QP	neutral
12	27.84	41.64	31.76	9.88	60.00	-18.35	QP	neutral	