

Appendix C: Test Results of Radiated Spurious Emissions & Mains

Radiated Emission Test for Series Model No. DK-9181B

Band Edges, 2.31GHz ~ 2.5GHz

BLE_1M

Low Channel (Horizontal) Peak

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Level (dBuV/m)

2024-08-16

Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	Factor	Line	Limit					
1	2355.55	54.87	16.95	37.92	74.00	-19.13	339	112 Peak	Horizontal
2	2402.00	102.42	64.35	38.07	74.00	28.42	339	112 Peak	Horizontal
3	2484.94	55.48	17.28	38.28	74.00	-18.52	339	112 Peak	Horizontal

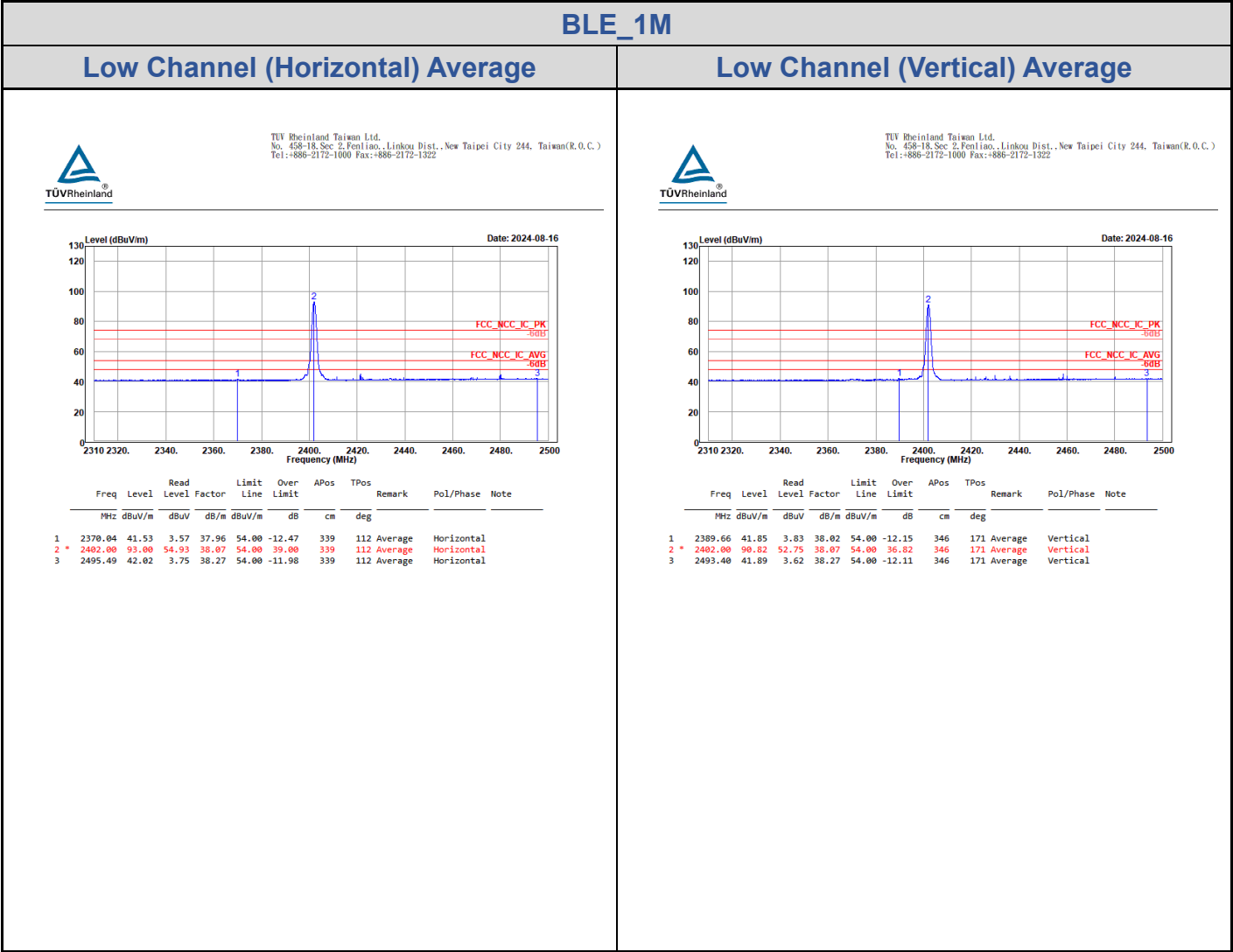
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Level (dBuV/m)

2024-08-16

Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	Factor	Line	Limit					
1	2389.56	55.81	17.79	38.02	74.00	-18.19	346	171 Peak	Vertical
2	2402.00	99.86	61.79	38.07	74.00	25.86	346	171 Peak	Vertical
3	2498.68	55.34	17.06	38.28	74.00	-18.66	346	171 Peak	Vertical



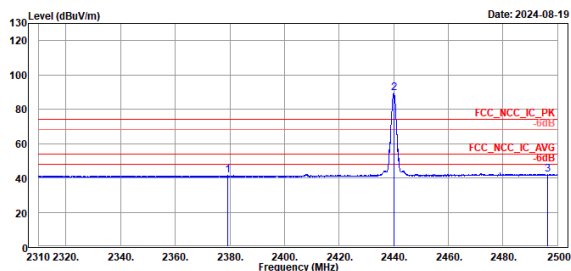
	Freq	Level	Read		Limit	Over	APos	TPos	Remark	Pol/Phase	Note
			Factor	Line							
	MHz	dBuV/m	dBuV/m	dB/m	dBuV/m	dB	cm	deg			
1	2384.10	55.03	17.02	38.01	74.00	-18.97	317	228	Peak	Vertical	
2 *	2440.00	97.33	59.07	38.26	74.00	23.33	317	228	Peak	Vertical	
3	2486.99	55.15	16.86	38.29	74.00	-18.85	317	228	Peak	Vertical	

BLE_1M

Middle Channel (Horizontal) Average



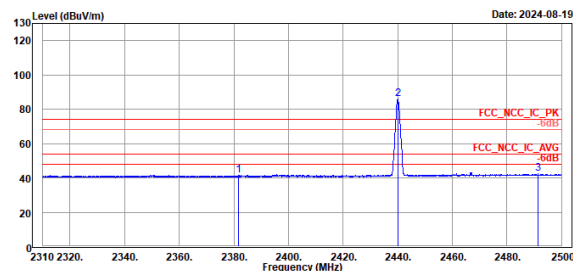
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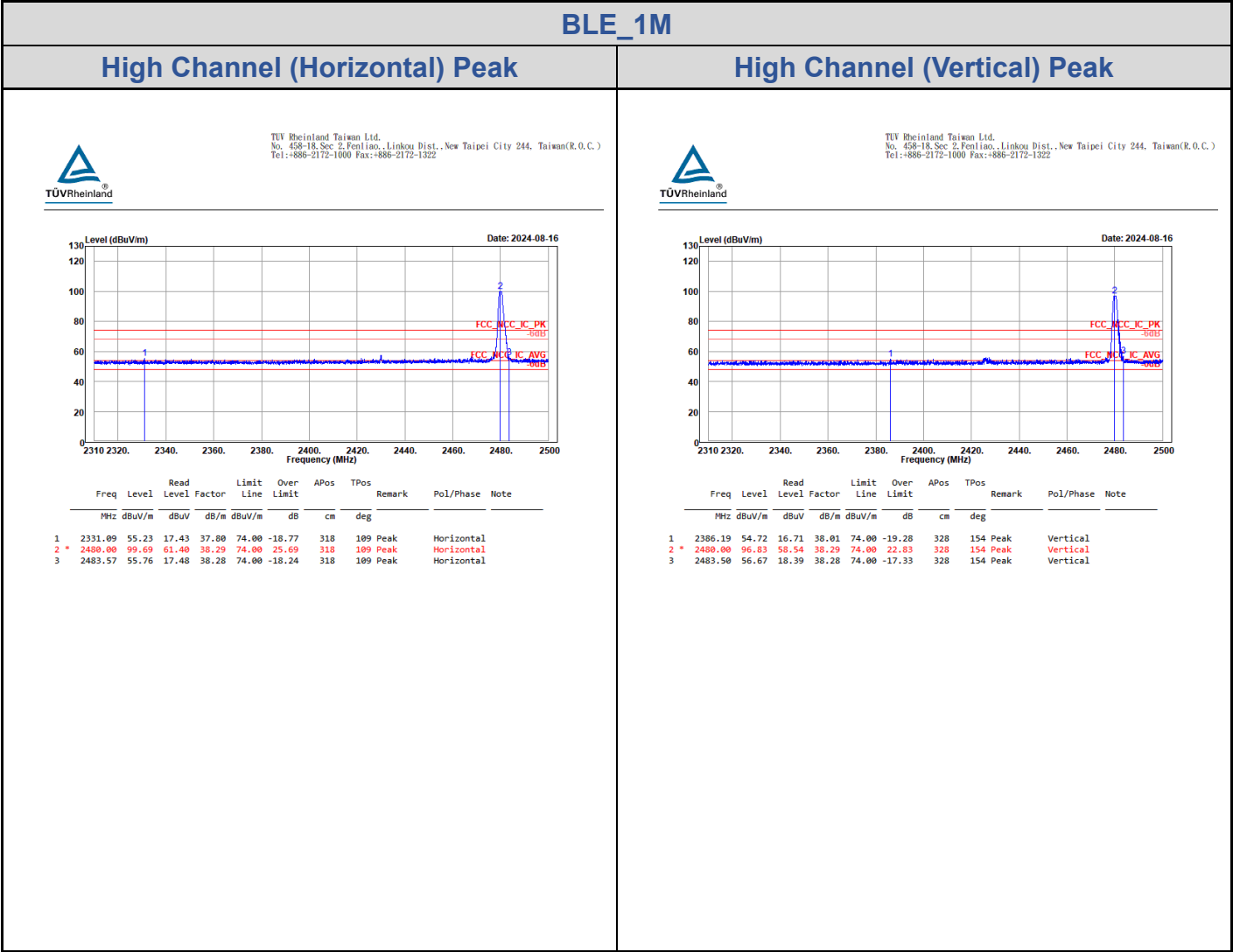
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	MHz	dBuV/m	dBuV	dBm	dBuV/m	dB	cm	deg			
1	2379.30	41.49	3.50	37.99	54.00	-12.51	296	120	Average	Horizontal	
2 *	2440.00	89.41	51.15	38.26	54.00	35.41	296	120	Average	Horizontal	
3	2496.30	42.13	3.85	38.28	54.00	-11.87	296	120	Average	Horizontal	

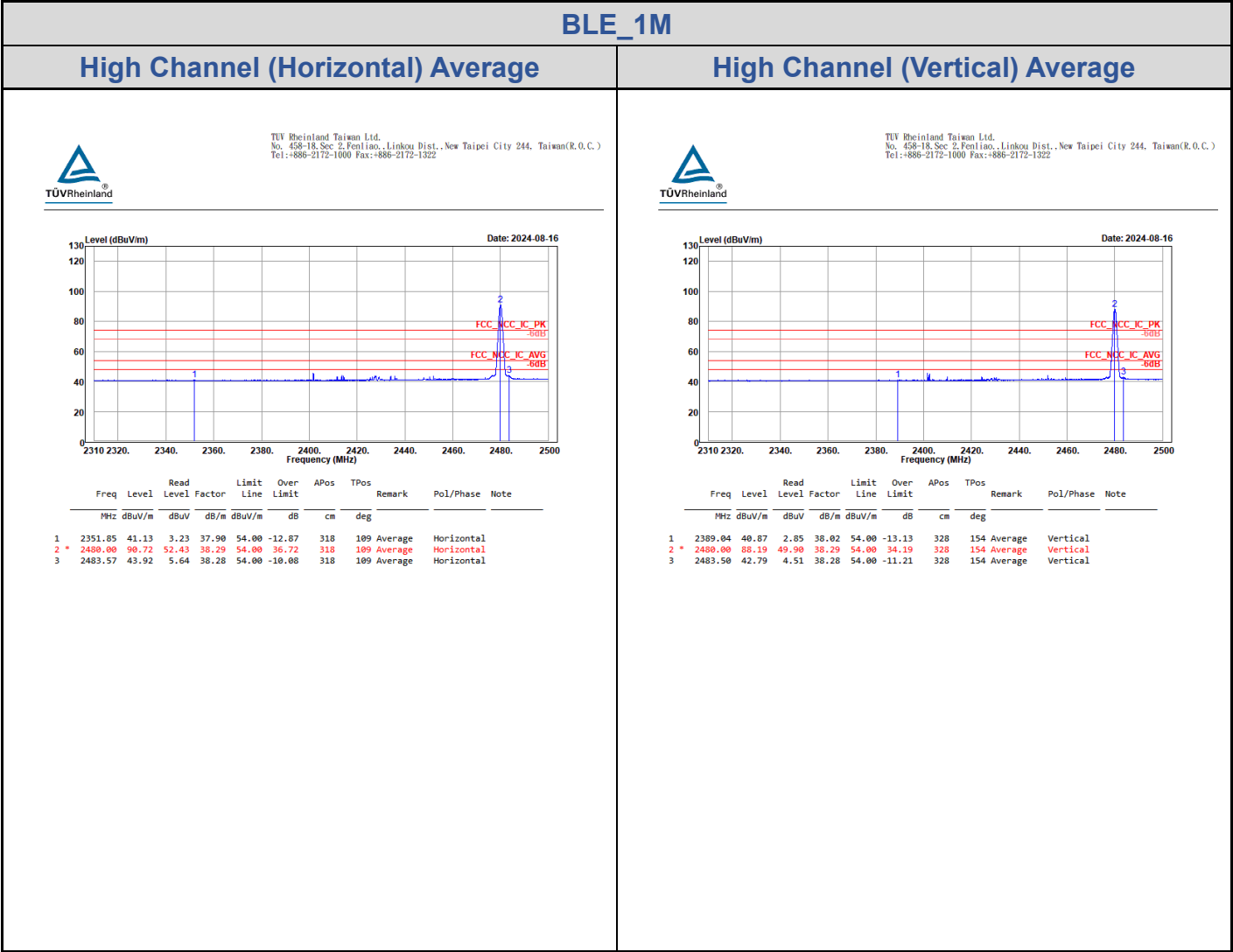


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	Freq	Level	Read Line	Factor	Limit Line	Over Limit	Apos	Tpos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2381.77	41.52	3.52	38.00	54.00	-12.48	317	228	Average	Vertical	
2 *	2440.00	86.06	47.80	38.26	54.00	32.06	317	228	Average	Vertical	
3	2491.36	42.06	3.98	38.28	54.00	-11.74	317	228	Average	Vertical	

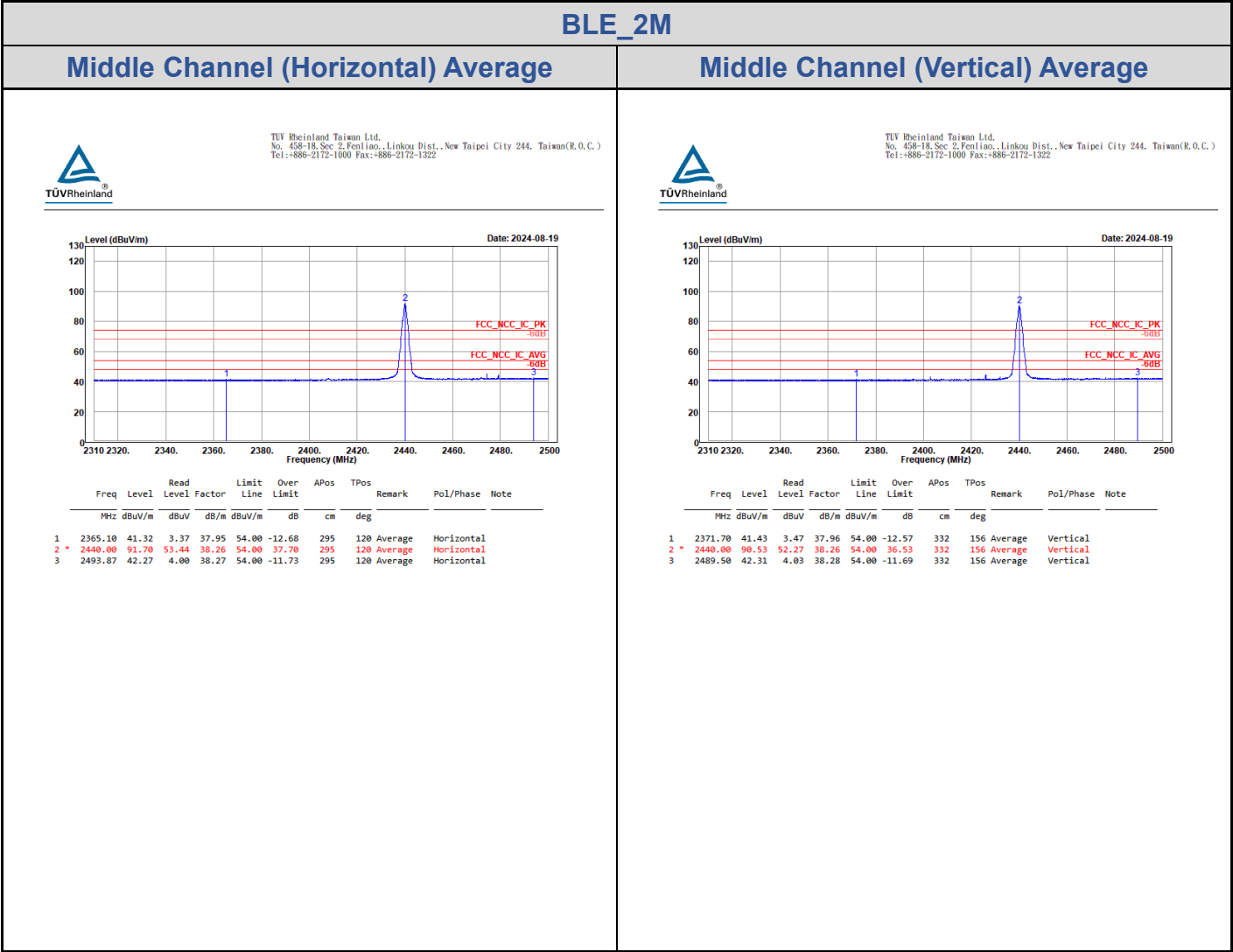


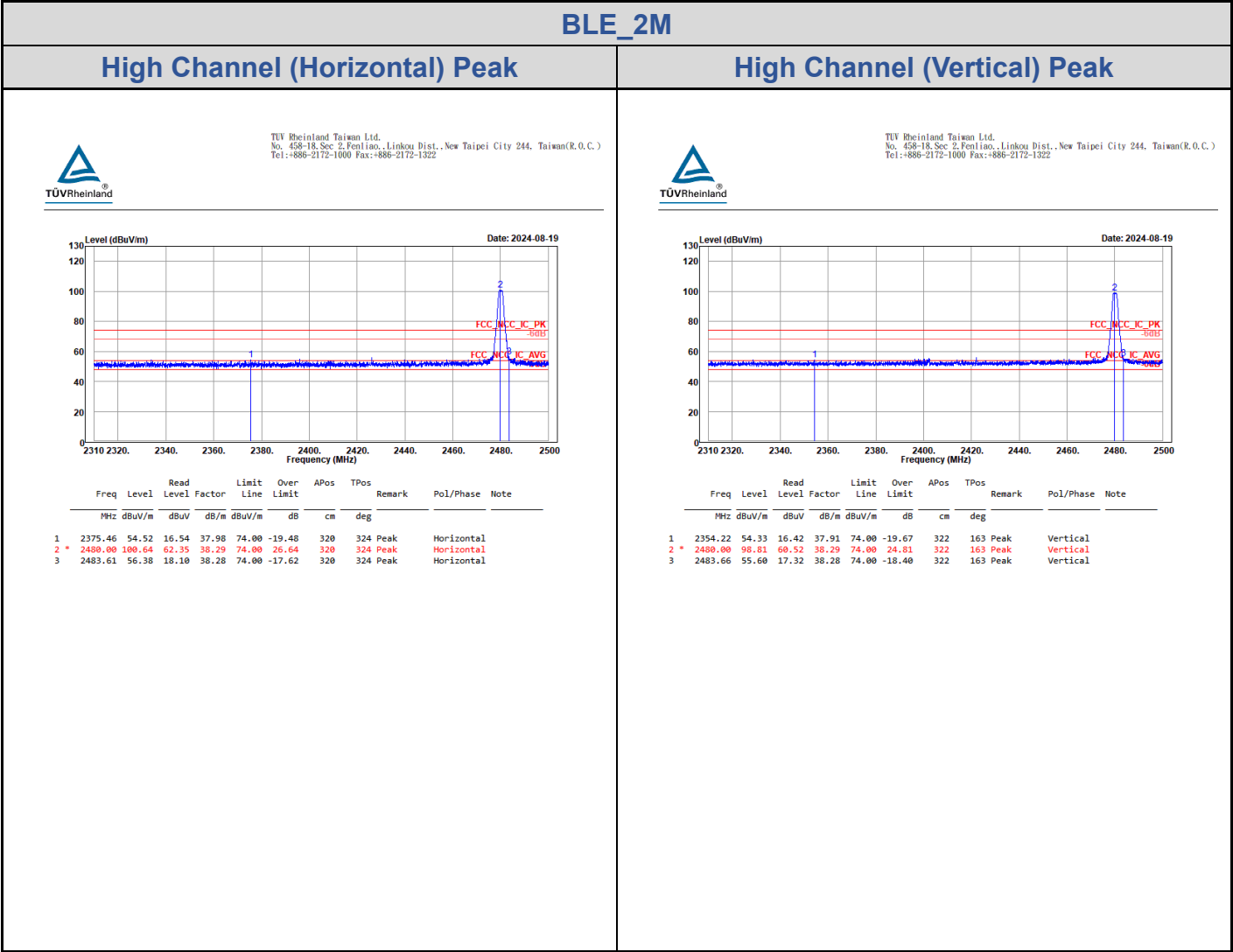


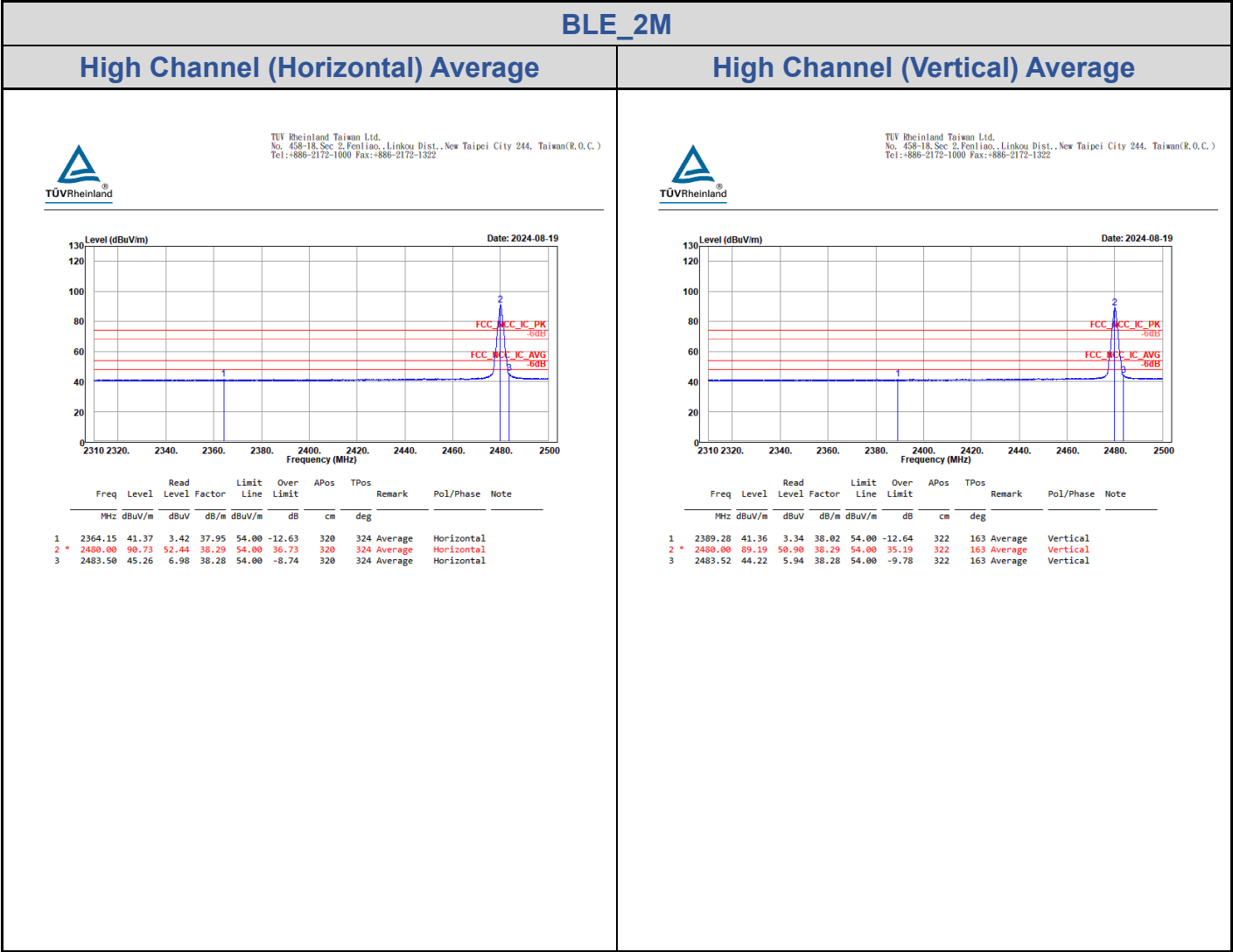
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2312.04	54.63	16.92	37.71	74.00	-19.37	183	221	Peak	Vertical	
2 *	2402.00	99.79	61.72	38.07	74.00	25.79	183	221	Peak	Vertical	
3	2494.73	54.36	16.89	38.27	74.00	-19.64	183	221	Peak	Vertical	

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2370.14	41.31	3.35	37.96	54.00	-12.69	183	221 Average	Vertical	
2	2402.00	90.36	52.29	38.07	54.00	-16.36	183	221 Average	Vertical	
3	2488.79	42.13	3.85	38.28	54.00	31.87	183	221 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	2353.51	54.59	16.68	37.91	74.00	-19.41	332	156	Peak	Vertical	
2 *	2440.00	100.41	62.15	38.26	74.00	26.41	332	156	Peak	Vertical	
3	2495.73	55.58	17.30	38.28	74.00	-18.42	332	156	Peak	Vertical	







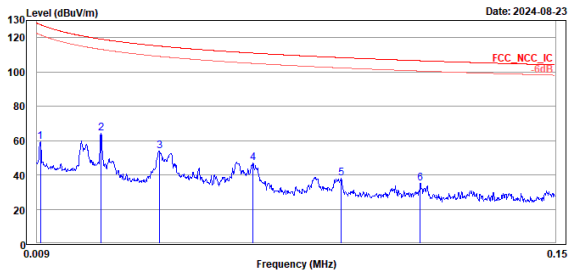
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

BLE_2M

High Channel (Open) 9kHz~150kHz



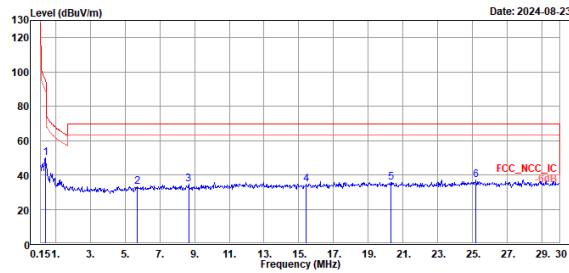
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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.01	59.13	40.82	18.31	127.68	-68.47	100	331 Peak		Open	
2	0.03	60.39	44.53	19.81	119.13	-54.74	100	285 Peak		Open	
3	0.04	53.78	34.28	15.51	115.84	-61.26	100	0 Peak		Open	
4	0.07	47.19	26.36	18.74	118.97	-63.87	100	269 Peak		Open	
5	0.09	37.92	19.22	18.68	108.34	-78.00	100	290 Peak		Open	
6	0.11	35.18	18.57	18.61	106.52	-71.34	100	194 Peak		Open	



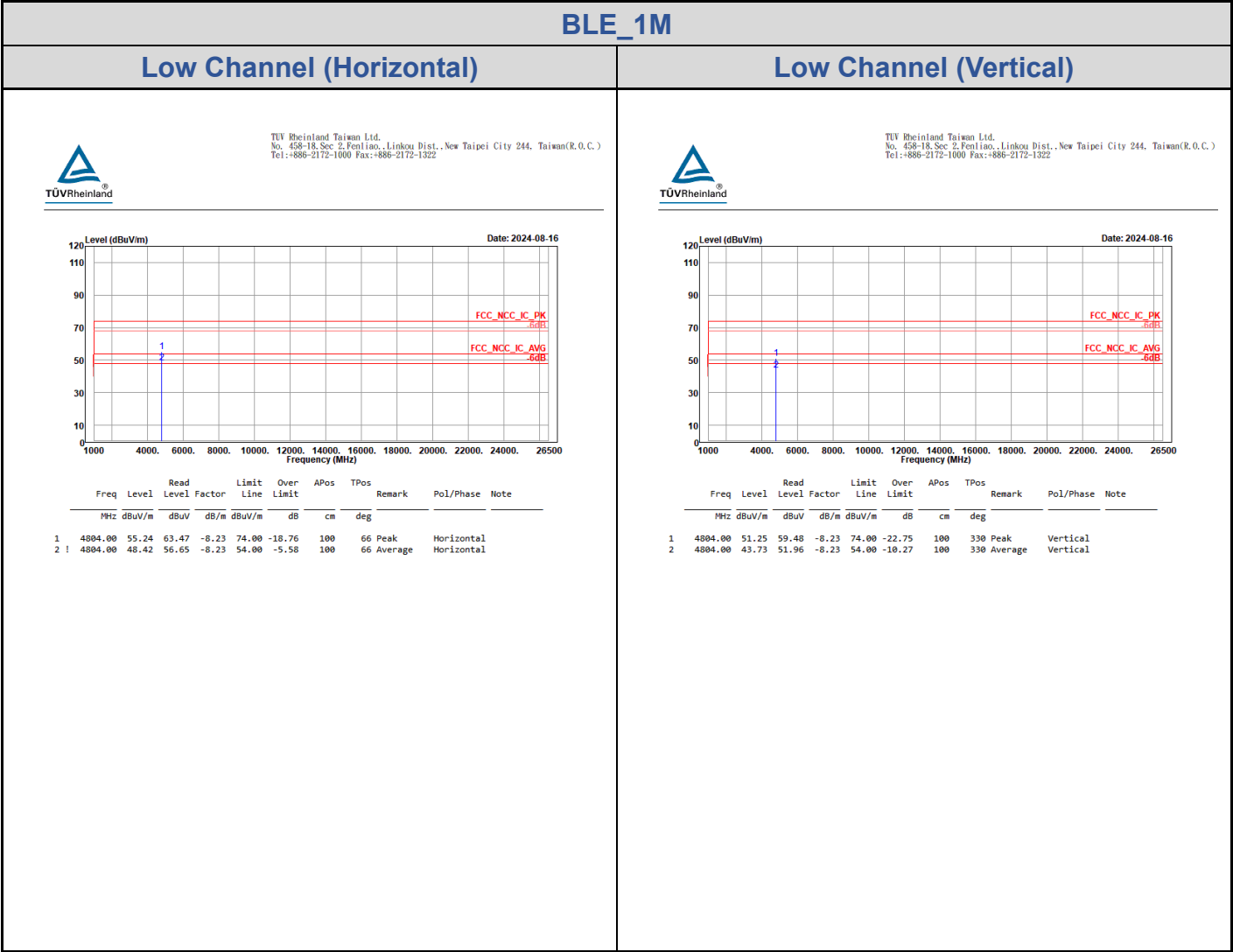
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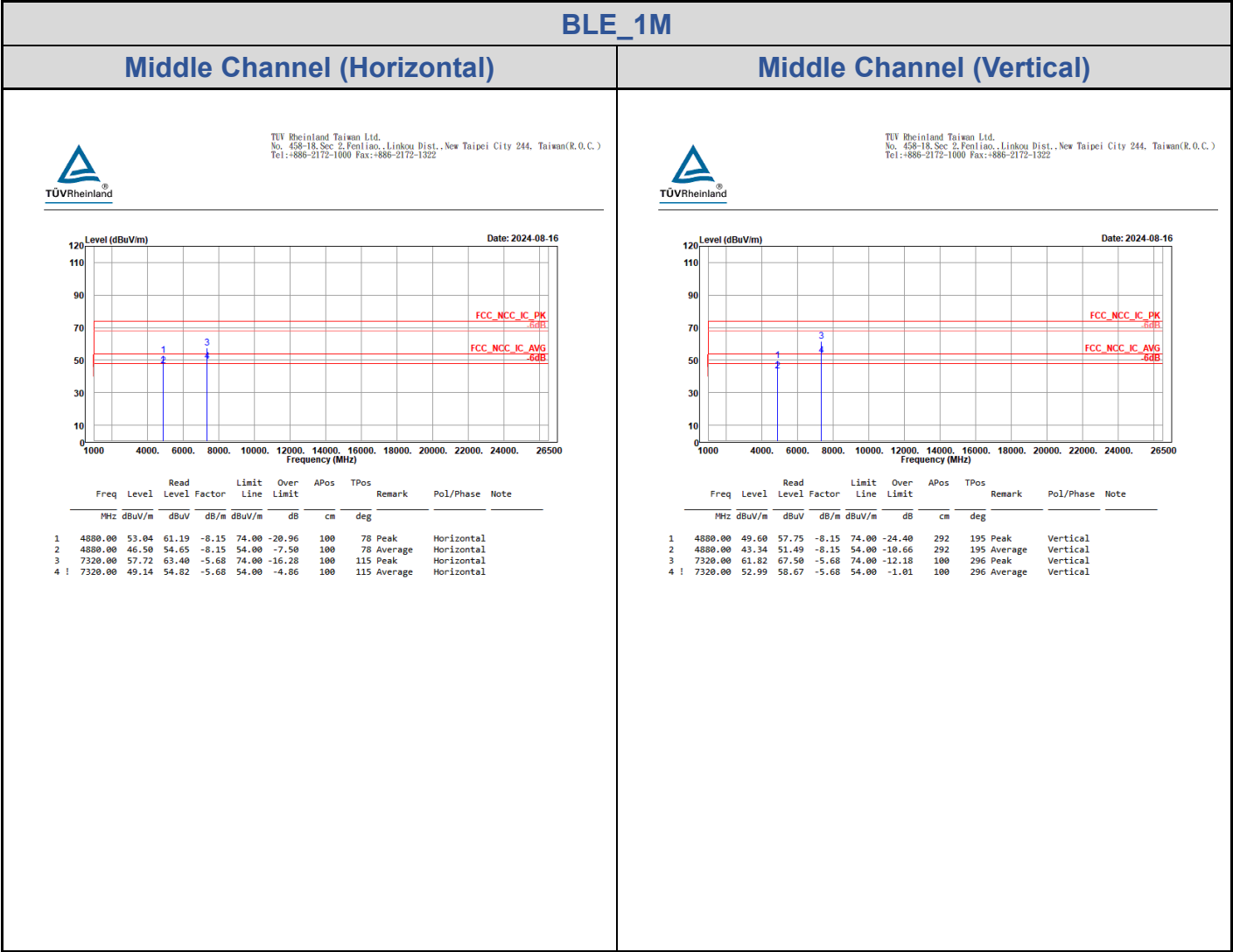


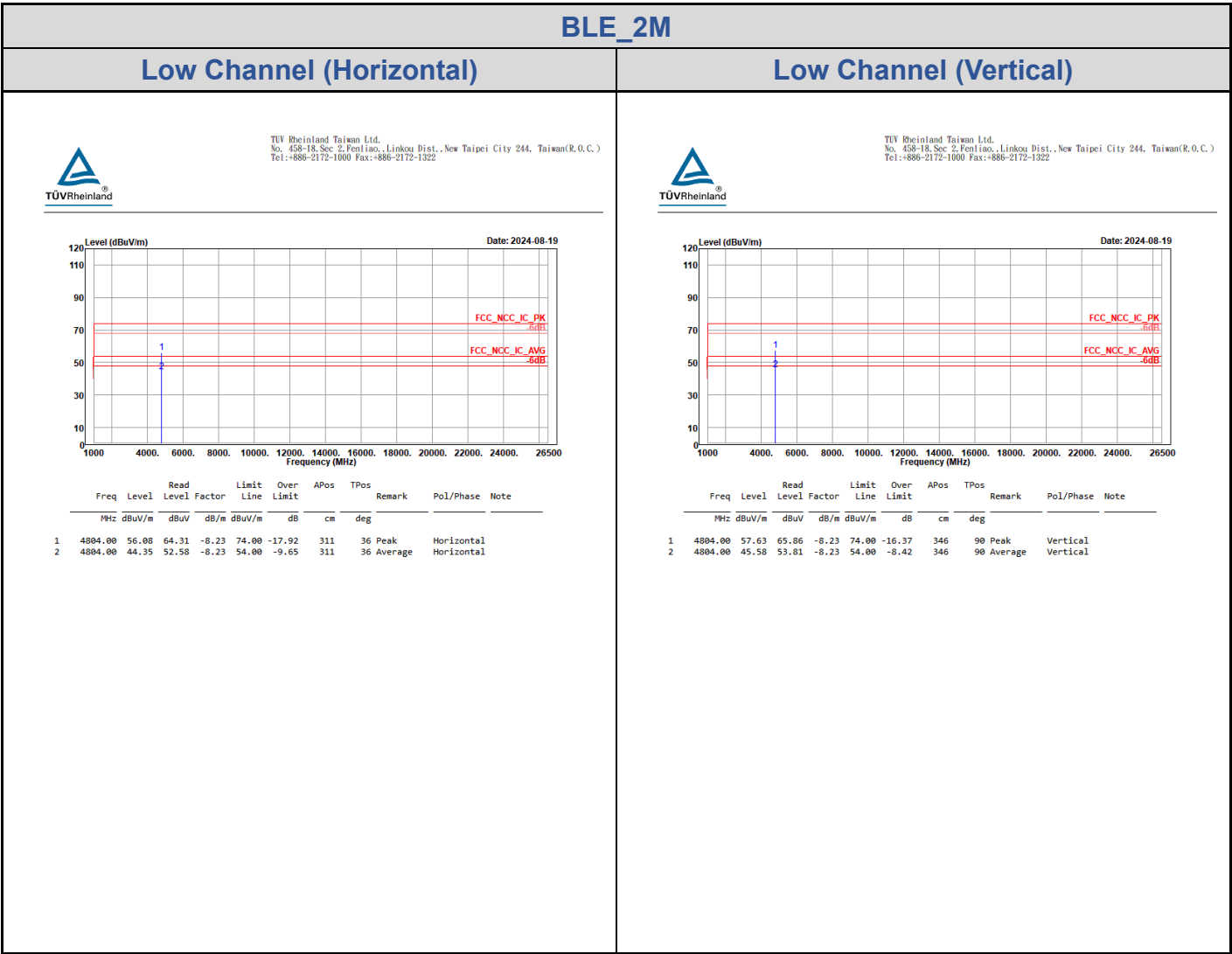
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBm	dBμV	dB	dBm	dB	cm	deg			
	0.42	50.01	30.86	15.15	95.17	-45.16	100	141	221 Peak	Open	
1	5.72	33.17	20.58	69.58	69.58	-46.13	100	386	343 Peak	Open	
2	8.66	34.61	13.78	20.83	69.50	-34.89	100	352	326 Peak	Open	
3	15.43	34.74	12.97	21.77	69.50	-34.76	100	332	322 Peak	Open	
4	20.30	35.57	12.72	22.60	69.50	-33.53	100	331	322 Peak	Open	
5	25.19	36.85	13.72	23.13	69.50	-32.65	100	338	326 Peak	Open	

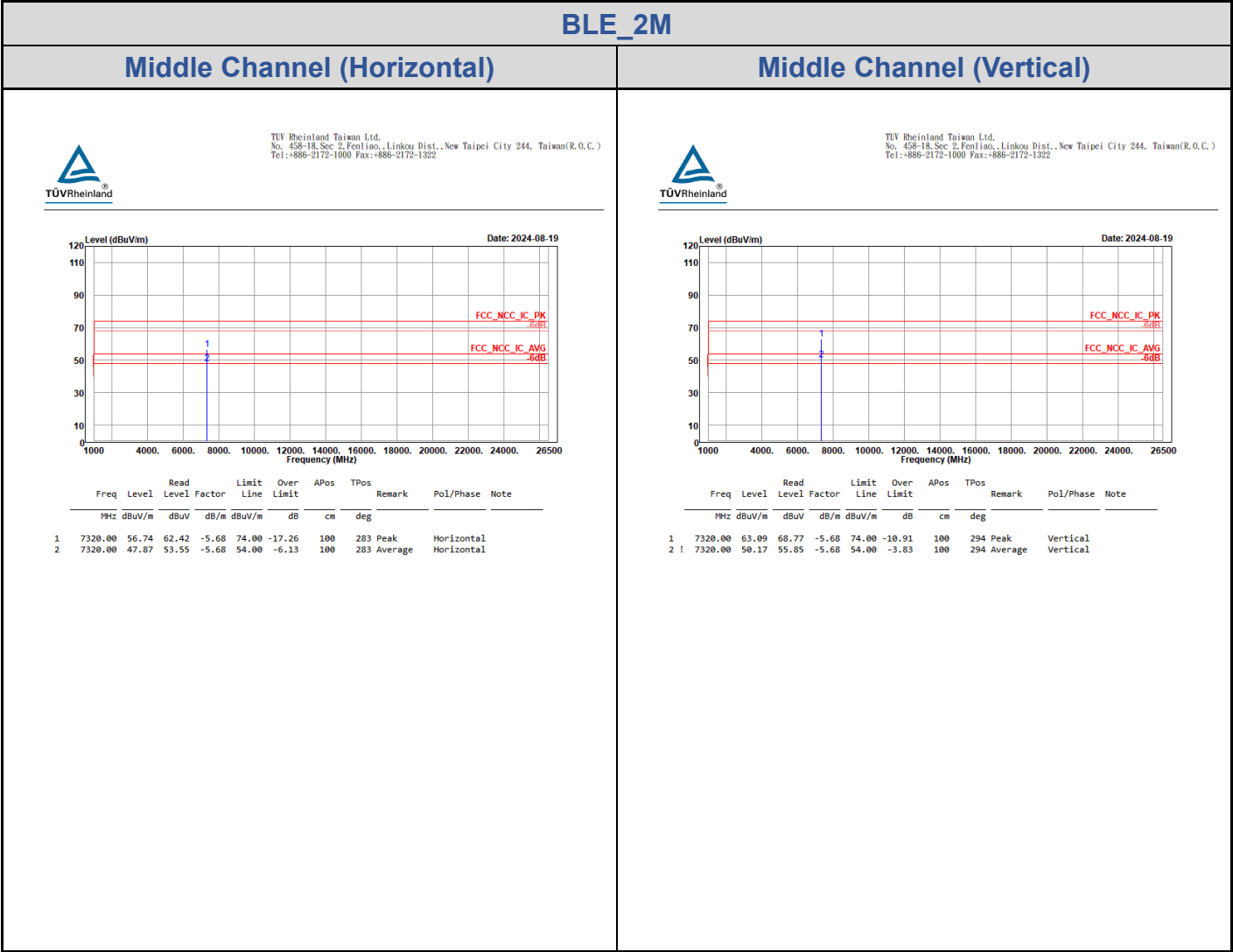
Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

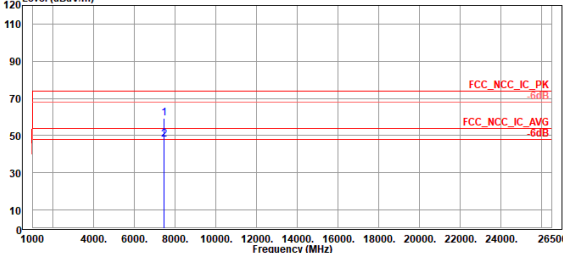
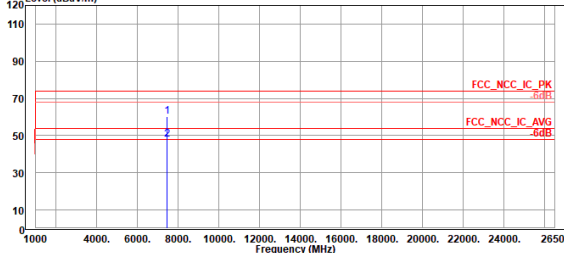
Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz









BLE_2M																																																						
High Channel (Horizontal)																																																						
		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																																																				
Level (dBuV/m) Date: 2024-08-19  <table><tr><th>Freq</th><th>Level</th><th>Read</th><th>Factor</th><th>Limit</th><th>Over</th><th>APos</th><th>TPos</th><th>Remark</th><th>Pol/Phase</th><th>Note</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dBuV/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th><th></th></tr><tr><td>1</td><td>7440.00</td><td>59.43</td><td>65.16</td><td>-5.73</td><td>74.00</td><td>-14.57</td><td>100</td><td>284 Peak</td><td>Horizontal</td><td></td></tr><tr><td>2</td><td>7440.00</td><td>47.97</td><td>53.70</td><td>-5.73</td><td>54.00</td><td>-6.03</td><td>100</td><td>284 Average</td><td>Horizontal</td><td></td></tr></table>											Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				1	7440.00	59.43	65.16	-5.73	74.00	-14.57	100	284 Peak	Horizontal		2	7440.00	47.97	53.70	-5.73	54.00	-6.03	100	284 Average	Horizontal	
Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note																																												
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg																																															
1	7440.00	59.43	65.16	-5.73	74.00	-14.57	100	284 Peak	Horizontal																																													
2	7440.00	47.97	53.70	-5.73	54.00	-6.03	100	284 Average	Horizontal																																													
High Channel (Vertical)																																																						
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Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note																																												
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg																																															
1	7440.00	60.33	66.06	-5.73	74.00	-13.67	100	292 Peak	Vertical																																													
2	7440.00	47.95	53.68	-5.73	54.00	-6.05	100	292 Average	Vertical																																													

