

Appendix B: Test Results of Radiated Spurious Emissions & Mains

Conducted Emission Test

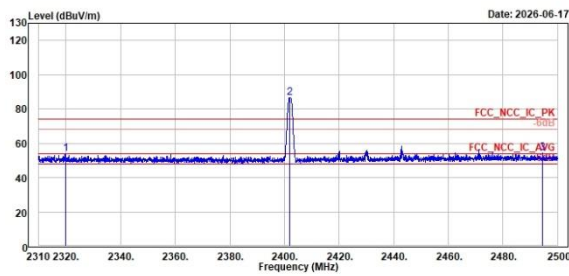
Band Edges, 2.31GHz ~ 2.5GHz

BLE_1M

Low Channel (Horizontal) Peak



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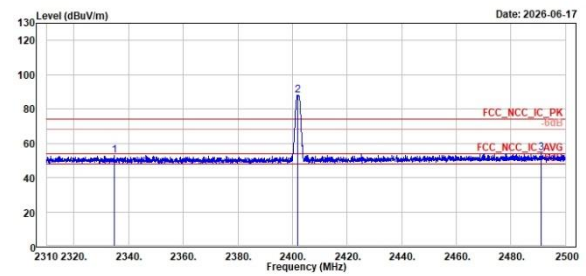


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2319.74	53.65	17.28	36.37	74.00	-20.35	138	312	Peak	Horizontal		
2 *	2402.00	86.56	50.29	36.27	74.00	12.56	138	312	Peak	Horizontal		
3	2494.63	54.32	17.31	37.01	74.00	-19.68	138	312	Peak	Horizontal		

Low Channel (Vertical) Peak



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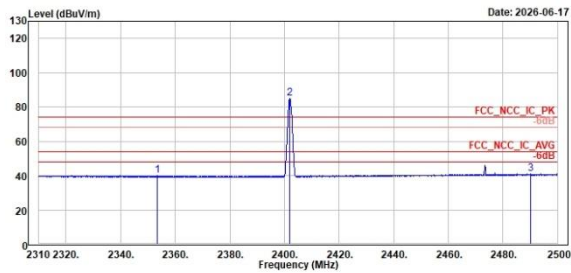
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2334.70	53.13	16.74	36.39	74.00	-20.87	239	306	Peak	Vertical		
2 *	2402.00	88.00	51.73	36.27	74.00	14.00	239	306	Peak	Vertical		
3	2491.02	54.43	17.44	36.99	74.00	-19.57	239	306	Peak	Vertical		

BLE_1M

Low Channel (Horizontal) Average



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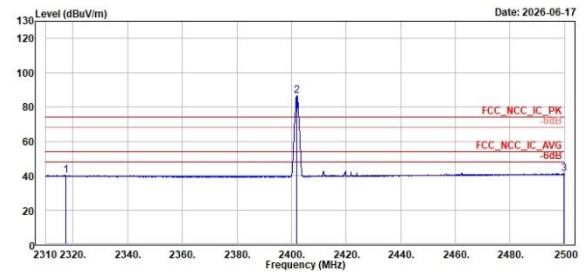


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2353.51	39.81	3.41	36.40	54.00	-14.19	138	312	Average	Horizontal		
2 *	2402.00	85.19	48.92	36.27	54.00	31.19	138	312	Average	Horizontal		
3	2490.07	40.96	3.98	36.98	54.00	-13.04	138	312	Average	Horizontal		

Low Channel (Vertical) Average



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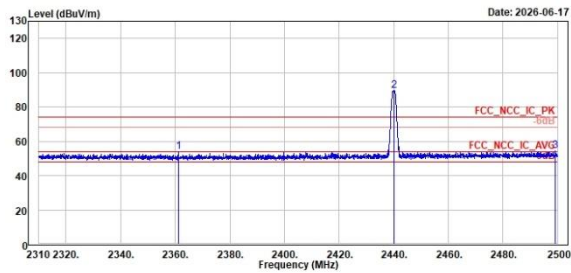
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2317.36	39.91	3.54	36.37	54.00	-14.09	239	306	Average	Vertical		
2 *	2402.00	86.63	50.36	36.27	54.00	32.63	239	306	Average	Vertical		
3	2499.81	41.05	4.01	37.04	54.00	-12.95	239	306	Average	Vertical		

BLE_1M

Middle Channel (Horizontal) Peak



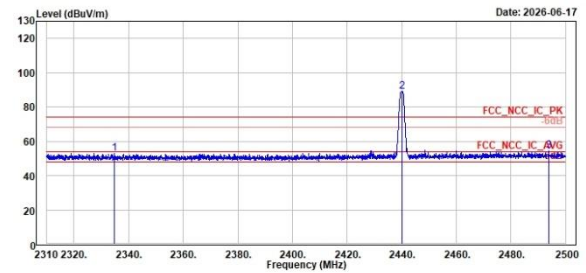
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2361.06	53.90	17.53	36.37	74.00	-20.10	154	313	Peak	Horizontal		
2 *	2440.00	89.49	52.88	36.61	74.00	15.49	194	313	Peak	Horizontal		
3	2499.15	54.17	17.14	37.03	74.00	-19.83	154	313	Peak	Horizontal		



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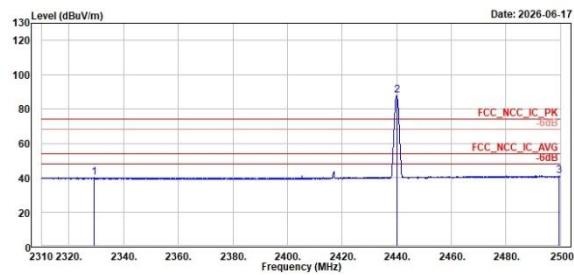
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2334.00	53.03	16.64	36.39	74.00	-20.97	251	287	Peak	Vertical		
2 *	2440.00	89.20	52.59	36.61	74.00	15.20	251	287	Peak	Vertical		
3	2493.73	54.29	17.29	37.00	74.00	-19.71	251	287	Peak	Vertical		

BLE_1M

Middle Channel (Horizontal) Average



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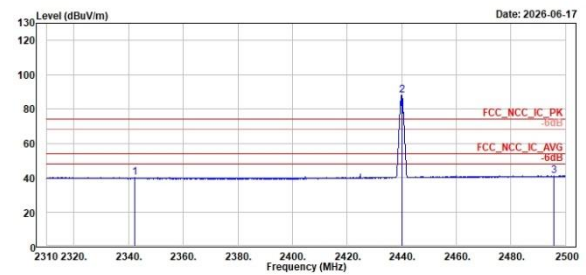


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2329.24	39.93	3.55	36.38	54.00	-14.07	154	313	Average	Horizontal		
2 *	2440.00	88.18	51.57	36.61	54.00	34.18	134	313	Average	Horizontal		
3	2499.43	40.95	3.91	37.04	54.00	-13.05	154	313	Average	Horizontal		

Middle Channel (Vertical) Average



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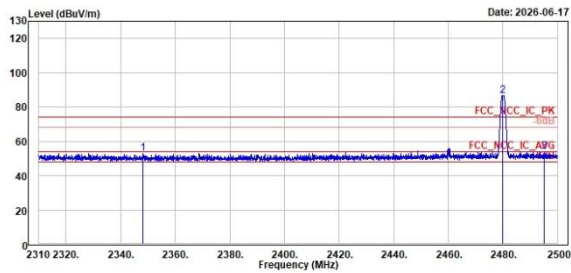
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2342.35	39.99	3.59	36.40	54.00	-14.01	251	287	Average	Vertical		
2 *	2440.00	87.95	51.34	36.61	54.00	33.95	251	287	Average	Vertical		
3	2495.73	40.93	3.92	37.01	54.00	-13.07	251	287	Average	Vertical		

BLE_1M

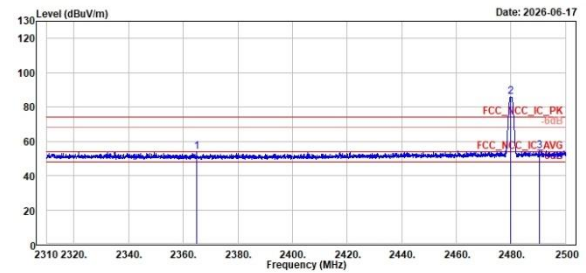
High Channel (Horizontal) Peak



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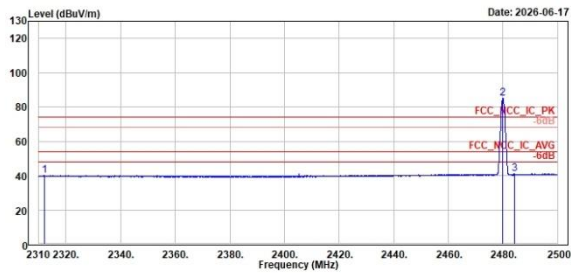


BLE_1M

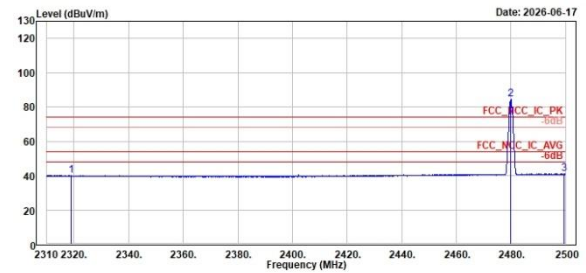
High Channel (Horizontal) Average



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Spurious Emissions, Tx Mode, For Battery Mode 30MHz ~ 1GHz

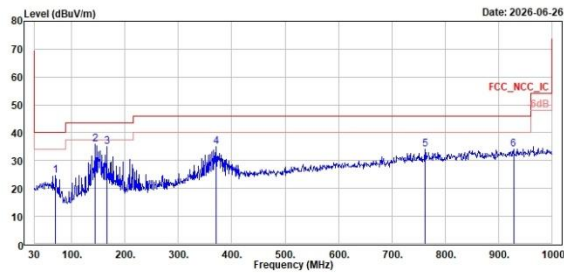
Worst

(Horizontal)

(Vertical)



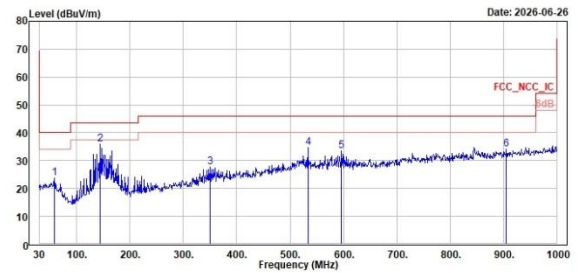
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	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Freq	Level	Level	Factor	Line	Limit					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	69.77	24.68	33.51	-8.83	40.00	-15.32	100	290 Peak	Horizontal	
2	144.46	35.87	42.19	-6.32	43.50	-7.63	100	92 Peak	Horizontal	
3	165.80	34.98	40.71	-5.73	43.50	-8.52	100	66 Peak	Horizontal	
4	371.44	34.87	30.62	-3.75	46.00	-11.13	100	33 Peak	Horizontal	
5	762.35	34.08	30.64	3.44	46.00	-11.92	100	101 Peak	Horizontal	
6	928.22	34.11	28.95	5.16	46.00	-11.89	100	325 Peak	Horizontal	



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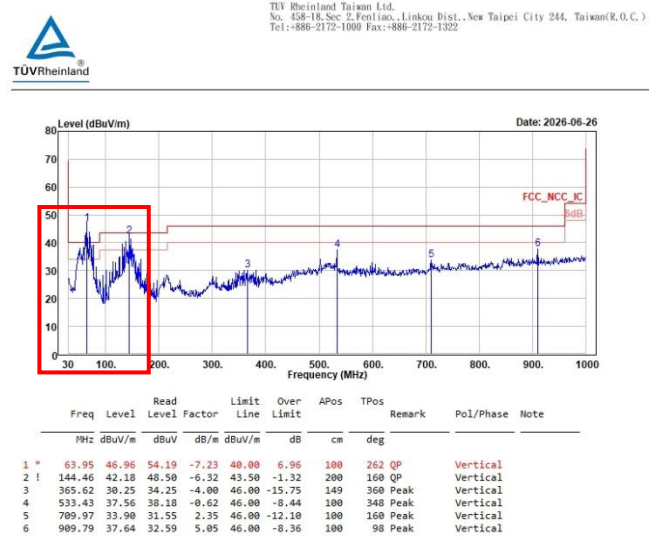
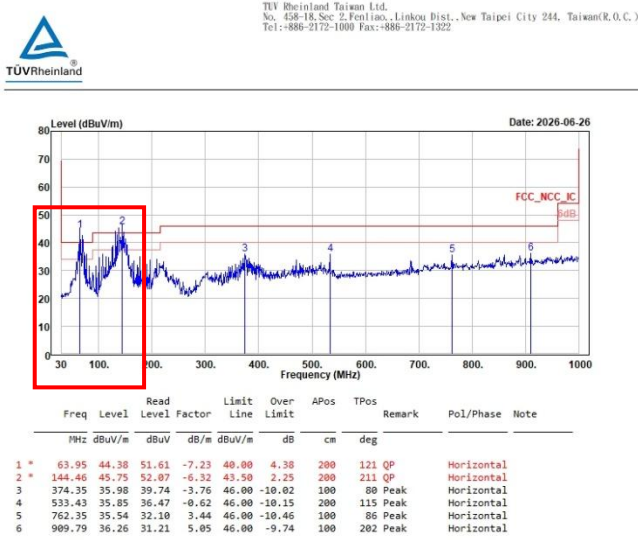
	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Freq	Level	Level	Factor	Line	Limit					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	58.13	23.68	29.88	-6.20	40.00	-16.32	100	159 Peak	Vertical	
2	144.46	36.03	42.35	-6.32	43.50	-7.47	100	359 Peak	Vertical	
3	350.10	27.60	32.02	-4.42	46.00	-18.40	100	201 Peak	Vertical	
4	533.43	34.63	35.25	-0.62	46.00	-11.37	100	19 Peak	Vertical	
5	596.48	33.44	33.04	0.40	46.00	-12.56	100	156 Peak	Vertical	
6	909.91	34.19	29.23	4.96	46.00	-11.81	100	50 Peak	Vertical	

Spurious Emissions, Tx Mode, For Adapter mode 30MHz ~ 1GHz

Worst

(Horizontal)

(Vertical)



Note: The noise highlighted in the red box does not originate from the intentional transmitter and is not part of the intentional transmission.

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

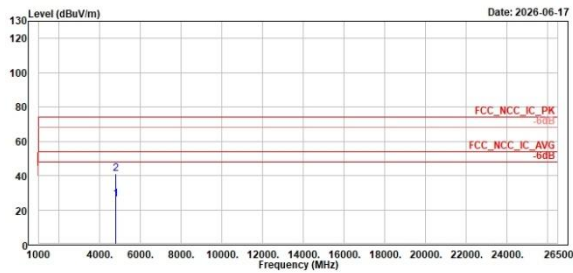
BLE_1M

Low Channel (Horizontal)

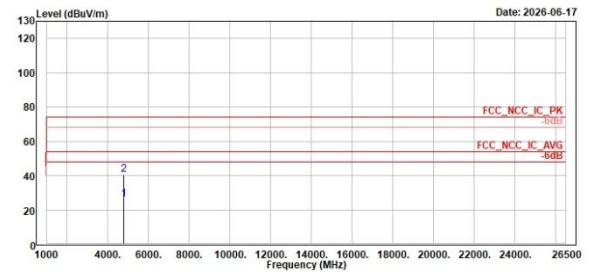
Low Channel (Vertical)



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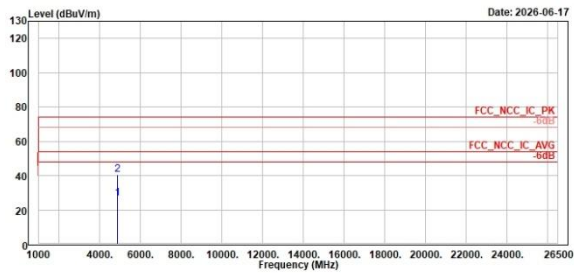


BLE_1M

Middle Channel (Horizontal)



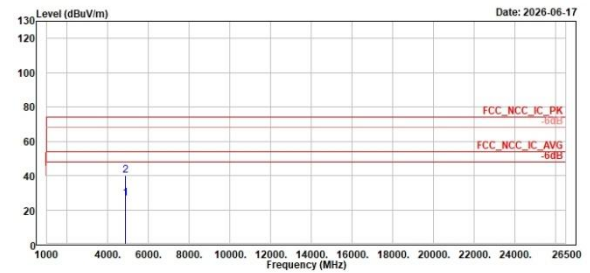
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4880.00	26.52	35.93	-9.41	54.00	-27.48	100	331	Average	Horizontal	
2	4880.00	40.64	50.05	-9.41	74.00	-33.36	100	331	Peak	Horizontal	



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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4880.00	26.47	35.88	-9.41	54.00	-27.53	100	0	Average	Vertical	
2	4880.00	40.22	49.63	-9.41	74.00	-33.78	100	0	Peak	Vertical	

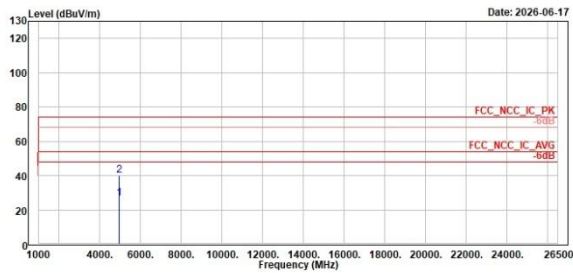
BLE_1M

High Channel (Horizontal)

High Channel (Vertical)



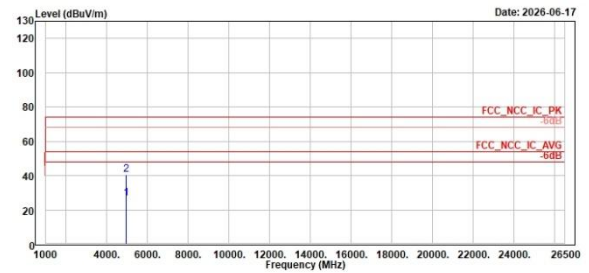
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4960.00	26.48	35.60	-9.12	54.00	-27.52	100	356	Average	Horizontal		
2	4960.00	40.27	49.39	-9.12	74.00	-33.73	100	356	Peak	Horizontal		



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4960.00	26.52	35.64	-9.12	54.00	-27.48	100	270	Average	Vertical		
2	4960.00	40.64	49.76	-9.12	74.00	-33.36	100	270	Peak	Vertical		

Mains Conducted Emission, TX 150kHz ~ 30MHz

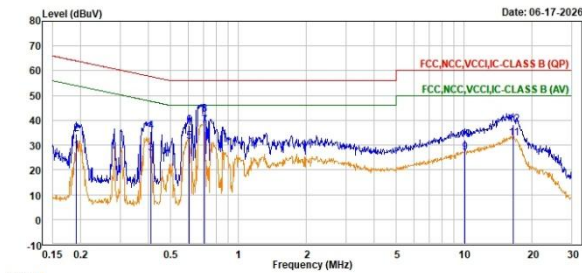
Worst Band

(Line)

(Neutral)



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