

Appendix B: Test Results of Radiated Spurious Emissions & Mains

Conducted Emission Test

<FPWB-A014BBKZ>

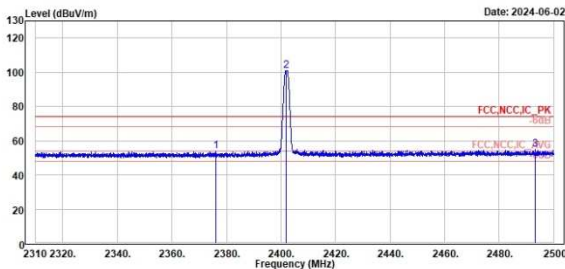
Band Edges, 2.31GHz ~ 2.9GHz

BLE_1M

Low Channel (Horizontal) Peak



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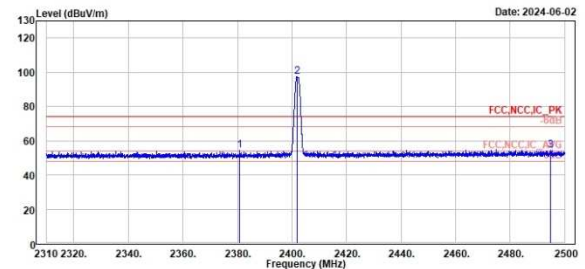


	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Level Factor	Line	Limit	cm	deg			
1	2376.234	53.94	16.39	37.64	74.00	-20.06	236	152 Peak	Horizontal	
2	2402.000	101.01	63.29	37.72	74.00	27.01	236	152 Peak	Horizontal	
3	2493.350	54.95	16.94	38.01	74.00	-19.05	236	152 Peak	Horizontal	

Low Channel (Vertical) Peak



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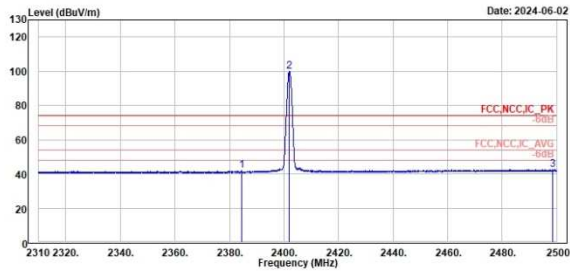
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Level Factor	Line	Limit	cm	deg			
1	2380.832	54.45	16.80	37.65	74.00	-19.55	364	63 Peak	Vertical	
2	2402.000	97.18	59.46	37.72	74.00	23.18	364	63 Peak	Vertical	
3	2494.718	54.39	16.38	38.01	74.00	-19.61	364	63 Peak	Vertical	

BLE_1M

Low Channel (Horizontal) Average



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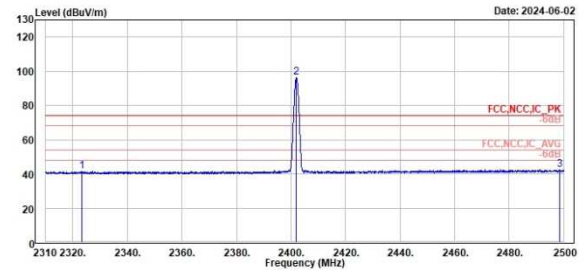


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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2384.484	41.84	4.17	37.67	54.00	-12.16	236	152	Average	Horizontal		
2 *	2402.000	99.99	62.27	37.72	54.00	45.99	236	152	Average	Horizontal		
3	2498.556	42.67	4.66	38.01	54.00	-11.33	236	152	Average	Horizontal		

Low Channel (Vertical) Average



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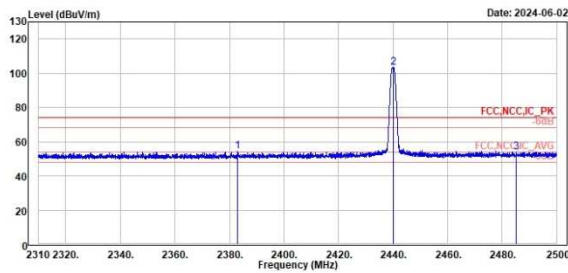
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2323.338	41.49	4.07	37.42	54.00	-12.51	364	63	Average	Vertical		
2 *	2402.000	96.14	58.42	37.72	54.00	42.14	364	63	Average	Vertical		
3	2498.594	42.29	4.28	38.01	54.00	-11.71	364	63	Average	Vertical		

BLE_1M

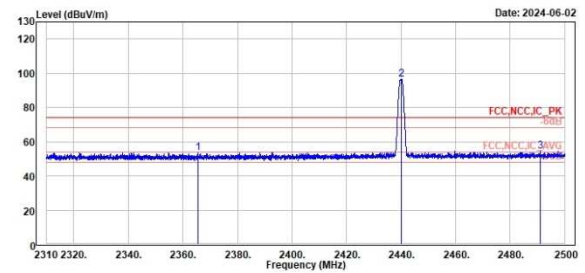
Middle Channel (Horizontal) Peak



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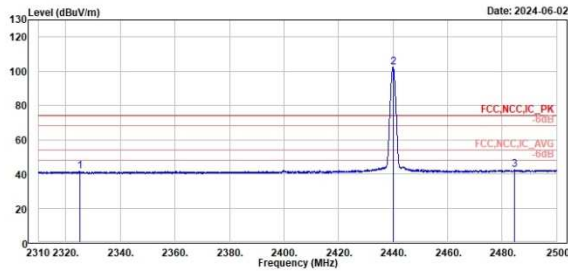


BLE_1M

Middle Channel (Horizontal) Average



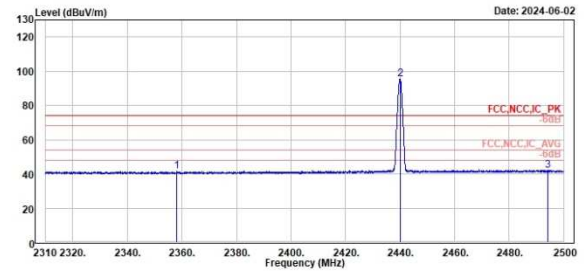
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2325.162	41.47	4.04	37.43	54.00	-12.53	288	155	Average	Horizontal	
2	2440.000	102.27	64.36	37.91	54.00	48.27	288	155	Average	Horizontal	
3	2484.572	42.41	4.41	38.00	54.00	-11.59	288	155	Average	Horizontal	



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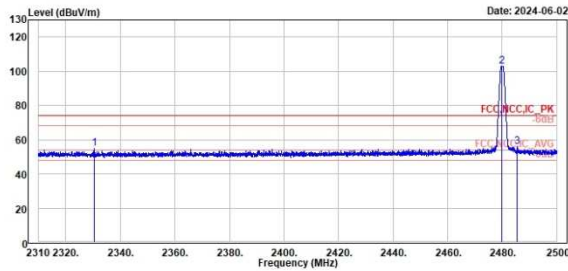
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MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2350.184	41.37	3.78	37.59	54.00	-12.63	317	53	Average	Vertical	
2	2440.000	95.30	57.39	37.91	54.00	41.39	317	53	Average	Vertical	
3	2494.186	42.21	4.20	38.01	54.00	-11.79	317	53	Average	Vertical	

BLE_1M

High Channel (Horizontal) Peak



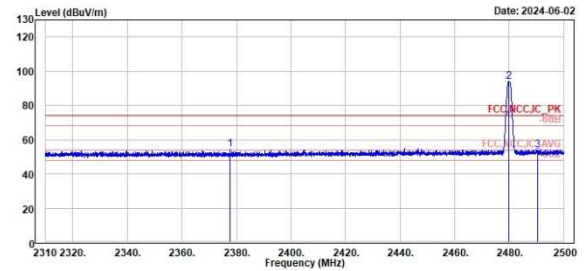
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2330.558	54.96	17.50	37.46	74.00	-19.04	277	153	Peak	Horizontal		
2	2480.000	103.03	65.04	37.99	74.00	29.03	277	153	Peak	Horizontal		
3	2485.408	55.94	17.94	38.00	74.00	-18.06	277	153	Peak	Horizontal		



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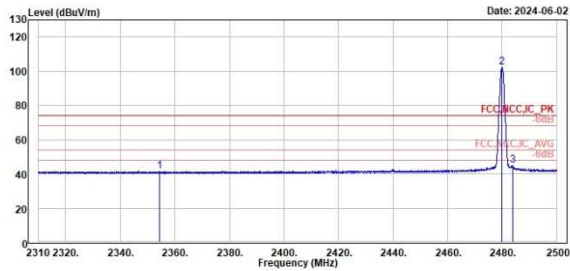
Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
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1	2377.602	54.43	16.78	37.65	74.00	-19.57	100	276	Peak	Vertical		
2	2480.000	93.81	55.82	37.99	74.00	19.81	100	276	Peak	Vertical		
3	2490.500	54.12	16.11	38.01	74.00	-19.88	100	276	Peak	Vertical		

BLE_1M

High Channel (Horizontal) Average



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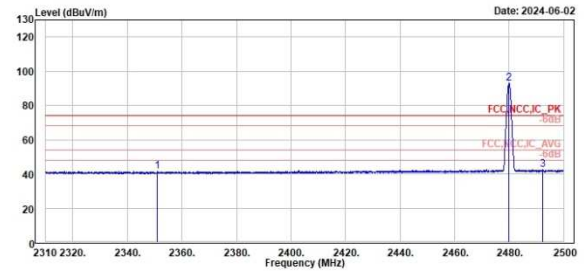


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2354.498	41.54	3.96	37.58	54.00	-12.46		277	153	Average	Horizontal	
2	2480.000	102.13	64.34	37.99	54.00	48.13		277	153	Average	Horizontal	
3	2483.812	44.93	6.93	38.00	54.00	-9.07		277	153	Average	Horizontal	

High 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	dB	cm	deg			
1	2351.040	41.34	3.78	37.56	54.00	-12.66		100	276	Average	Vertical	
2	2480.000	92.89	54.98	37.99	54.00	38.89		100	276	Average	Vertical	
3	2492.172	42.39	4.38	38.01	54.00	-11.61		100	276	Average	Vertical	

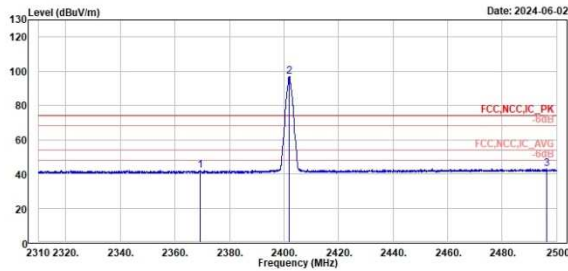
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1	2349.976	53.43	15.87	37.56	74.00	-20.57	104	253	Peak	Vertical	
2	* 2402.000	94.07	56.35	37.72	74.00	20.07	104	253	Peak	Vertical	
3	2490.044	54.43	16.43	38.00	74.00	-19.57	104	253	Peak	Vertical	

BLE_2M

Low Channel (Horizontal) Average



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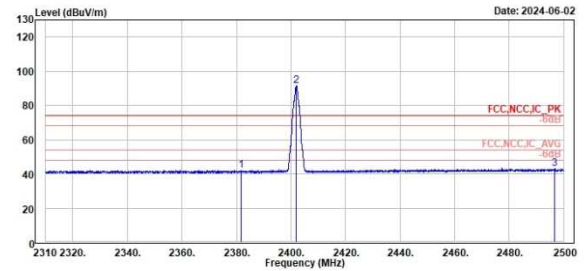


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
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1	2369.356	42.06	4.44	37.62	54.00	-11.94	239	48	Average	Horizontal		
2 *	2402.000	97.05	59.33	37.72	54.00	43.05	239	48	Average	Horizontal		
3	2496.390	42.98	4.97	38.01	54.00	-11.02	239	48	Average	Horizontal		

Low Channel (Vertical) Average



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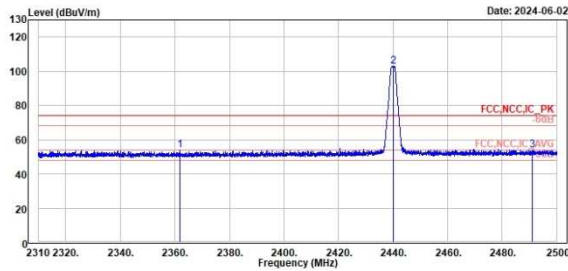
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2381.630	42.10	4.45	37.65	54.00	-11.90	104	253	Average	Vertical		
2 *	2402.000	91.40	53.68	37.72	54.00	37.40	104	253	Average	Vertical		
3	2496.808	42.92	4.91	38.01	54.00	-11.08	104	253	Average	Vertical		

BLE_2M

Middle Channel (Horizontal) Peak



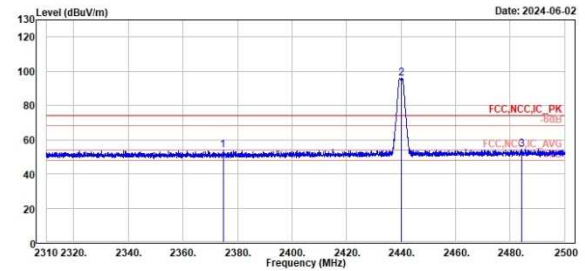
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2361.988	53.94	16.35	37.59	74.00	-20.06	320	157	Peak	Horizontal	
2	2440.000	102.77	64.86	37.91	74.00	28.77	320	157	Peak	Horizontal	
3	2490.994	54.01	16.00	38.01	74.00	-19.99	320	157	Peak	Horizontal	



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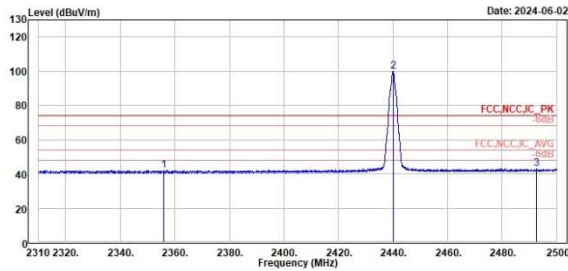
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MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2374.714	53.93	16.29	37.64	74.00	-20.07	386	69	Peak	Vertical	
2	2440.000	95.71	57.80	37.91	74.00	21.71	386	69	Peak	Vertical	
3	2484.154	54.55	16.55	38.00	74.00	-19.45	386	69	Peak	Vertical	

BLE_2M

Middle Channel (Horizontal) Average



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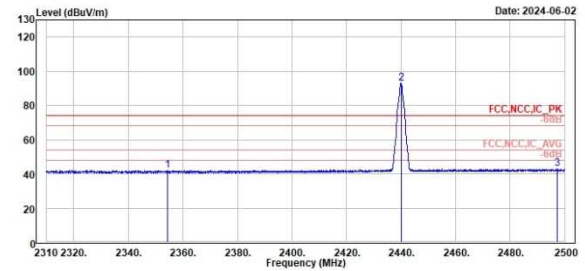


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2355.942	42.06	4.48	37.58	54.00	-11.94	320	157	Average	Horizontal		
2 *	2440.000	100.07	62.16	37.91	54.00	46.07	320	157	Average	Horizontal		
3	2492.628	43.00	4.99	38.01	54.00	-11.00	320	157	Average	Horizontal		

Middle Channel (Vertical) Average



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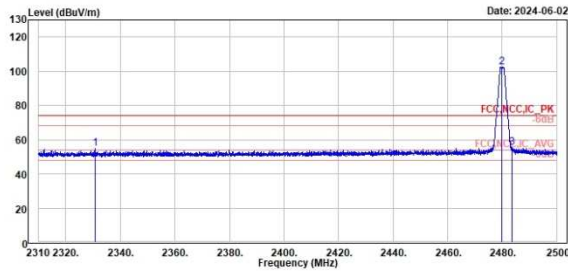
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2354.308	42.20	4.63	37.57	54.00	-11.00	386	69	Average	Vertical		
2 *	2440.000	93.03	55.12	37.91	54.00	39.03	386	69	Average	Vertical		
3	2497.302	42.81	4.80	38.01	54.00	-11.19	386	69	Average	Vertical		

BLE_2M

High Channel (Horizontal) Peak



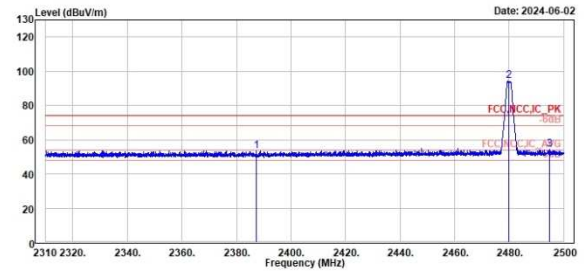
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m		dBuV/m	dB	cm	deg			
1	2330.824	54.71	17.25	37.46	74.00	-19.29	280	156	Peak	Horizontal		
2 *	2480.000	102.32	64.33	37.99	74.00	28.32	280	156	Peak	Horizontal		
3	2483.508	55.16	17.16	38.00	74.00	-18.84	280	156	Peak	Horizontal		



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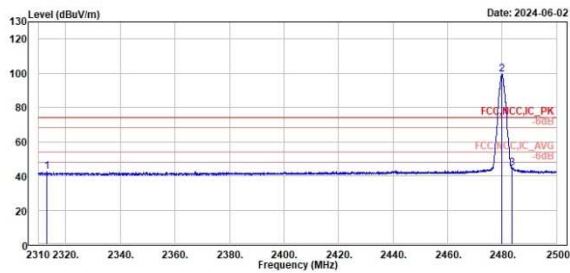
Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m		dBuV/m	dB	cm	deg			
1	2387.178	53.54	15.87	37.67	74.00	-20.46	100	262	Peak	Vertical		
2 *	2480.000	94.24	56.25	37.99	74.00	20.24	100	262	Peak	Vertical		
3	2494.718	54.27	16.26	38.01	74.00	-19.73	100	262	Peak	Vertical		

BLE_2M

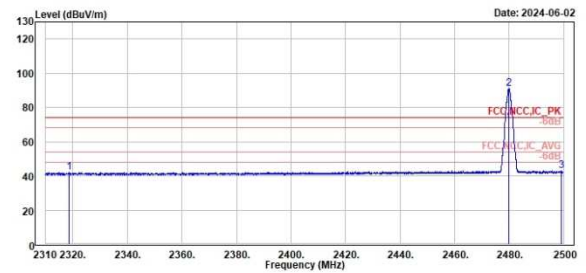
High Channel (Horizontal) Average



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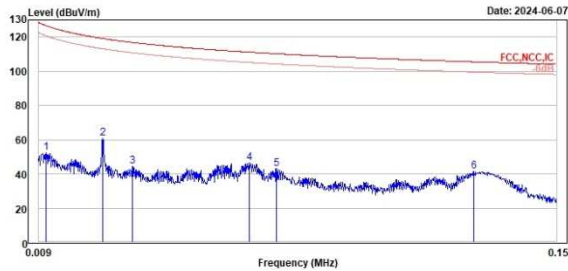
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

BLE_2M

Low Channel (Open) 9kHz~150kHz



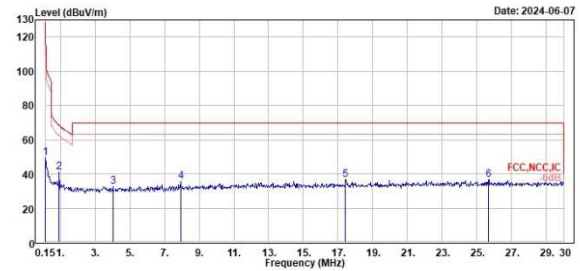
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.011	52.30	33.91	18.39	126.67	-74.37	100	107	Peak	Open	
2	0.026	60.93	41.38	19.55	119.13	-58.20	100	205	Peak	Open	
3	0.035	44.36	24.62	19.74	116.83	-72.47	100	120	Peak	Open	
4	0.066	46.44	27.25	19.19	111.15	-64.71	100	133	Peak	Open	
5	0.074	43.02	23.97	19.05	110.24	-67.22	100	138	Peak	Open	
6	0.127	41.36	22.76	18.60	105.49	-64.13	100	130	Peak	Open	



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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	0.150	49.25	30.63	18.62	104.88	-54.83	100	98	Peak	Open	
2	0.926	40.86	21.85	19.01	68.27	-27.41	100	123	Peak	Open	
3	4.031	32.87	13.61	19.26	69.50	-36.63	100	351	Peak	Open	
4	7.941	35.37	14.99	20.38	69.50	-34.13	100	236	Peak	Open	
5	17.433	36.44	14.55	21.89	69.50	-33.06	100	37	Peak	Open	
6	25.672	36.67	14.30	22.37	69.50	-32.83	100	147	Peak	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

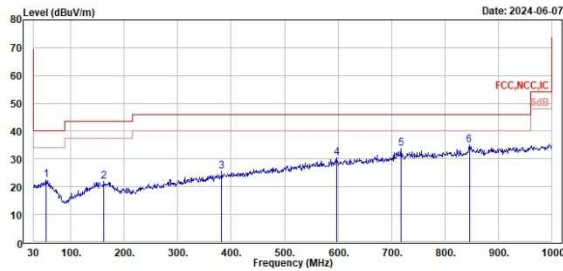
BLE_2M

Low Channel (Horizontal)

Low Channel (Vertical)



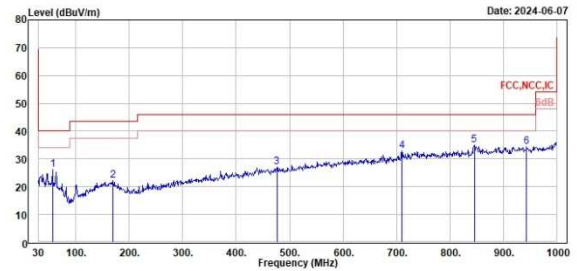
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	53.288	22.53	29.45	-6.92	40.00	-17.47	380	17	Peak	Horizontal		
2	161.920	21.91	28.78	-6.79	43.50	-21.59	180	6	Peak	Horizontal		
3	382.110	25.61	29.96	-4.35	46.00	-20.39	200	164	Peak	Horizontal		
4	597.450	30.33	30.17	0.16	46.00	-15.67	100	128	Peak	Horizontal		
5	718.700	33.69	31.48	2.21	46.00	-12.31	104	360	Peak	Horizontal		
6	845.770	35.06	30.83	4.23	46.00	-10.94	207	33	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	56.190	26.16	33.18	-7.02	40.00	-13.84	180	360	Peak	Vertical		
2	168.710	22.10	28.98	-6.88	43.50	-21.40	200	46	Peak	Vertical		
3	476.200	27.21	29.66	-2.45	46.00	-18.79	100	342	Peak	Vertical		
4	709.970	32.75	30.57	2.18	46.00	-13.25	100	220	Peak	Vertical		
5	845.770	34.98	30.75	4.23	46.00	-11.02	200	296	Peak	Vertical		
6	943.740	34.51	29.00	5.51	46.00	-11.49	100	360	Peak	Vertical		

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

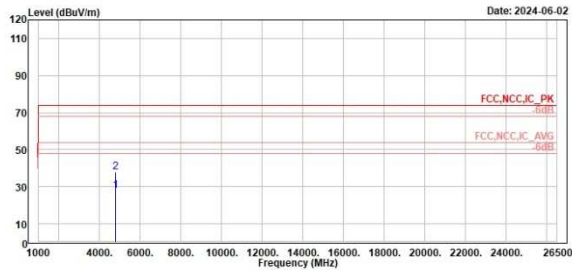
BLE_1M

Low Channel (Horizontal)

Low Channel (Vertical)



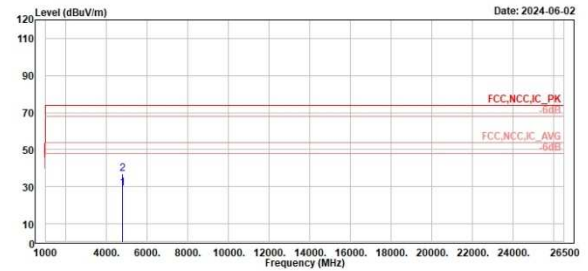
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4804.000	28.06	38.06	-10.00	54.00	-25.94	280	338	Average	Horizontal	
2	4804.000	37.96	47.96	-10.00	74.00	-36.04	280	338	Peak	Horizontal	



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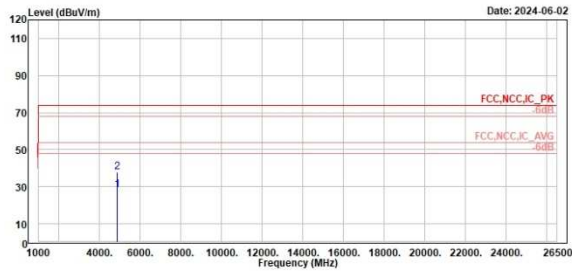
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4804.000	29.26	39.26	-10.00	54.00	-24.74	400	237	Average	Vertical	
2	4804.000	37.01	47.01	-10.00	74.00	-36.99	400	237	Peak	Vertical	

BLE_1M

Middle Channel (Horizontal)



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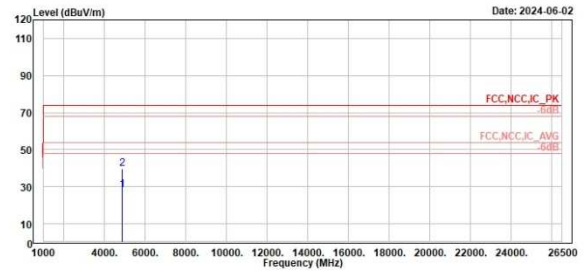


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4880.000	28.13	38.03	-9.90	54.00	-25.87	180	131	Average	Horizontal	
2	4880.000	37.72	47.62	-9.90	74.00	-36.28	180	131	Peak	Horizontal	

Middle 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	deg				
1	4880.000	28.28	38.18	-9.90	54.00	-25.72	200	330	Average	Vertical	
2	4880.000	39.61	49.51	-9.90	74.00	-34.39	200	330	Peak	Vertical	

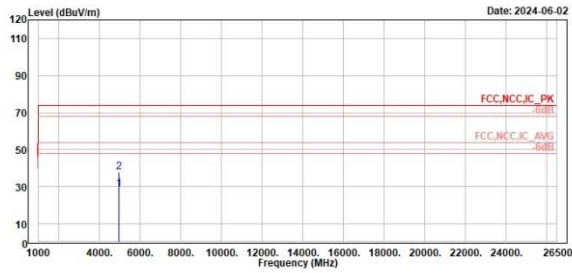
BLE_1M

High Channel (Horizontal)

High Channel (Vertical)



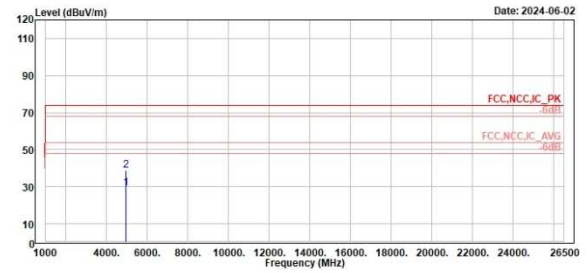
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.000	28.84	38.47	-9.63	54.00	-25.16	380	108	Average	Horizontal	
2	4960.000	37.92	47.55	-9.63	74.00	-36.08	380	108	Peak	Horizontal	



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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	4960.000	29.88	38.71	-9.63	54.00	-24.92	280	198	Average	Vertical	
2	4960.000	38.86	48.49	-9.63	74.00	-35.14	280	198	Peak	Vertical	

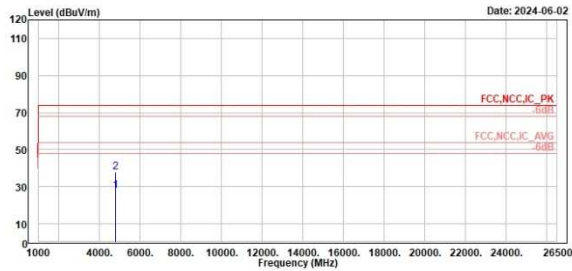
BLE_2M

Low Channel (Horizontal)

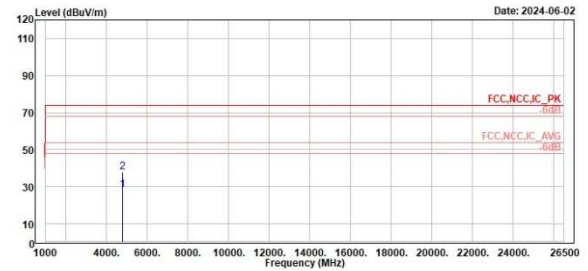
Low Channel (Vertical)



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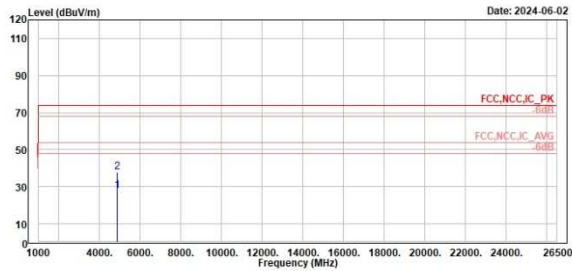


BLE_2M

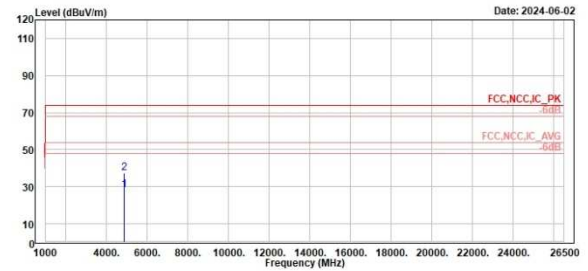
Middle Channel (Horizontal)



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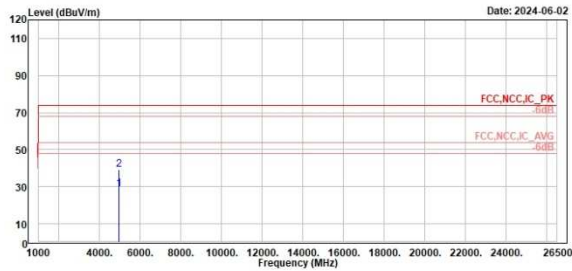


BLE_2M

High Channel (Horizontal)



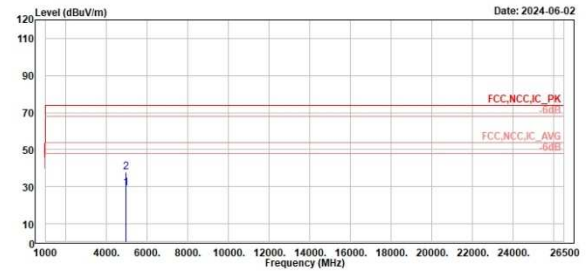
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	4960.000	28.78	38.41	-9.63	54.00	-25.22		480	361	Average	Horizontal	
2	4960.000	39.43	49.06	-9.63	74.00	-34.57		480	361	Peak	Horizontal	



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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	dB	cm	deg			
1	4960.000	29.20	38.83	-9.63	54.00	-24.80		300	178	Average	Vertical	
2	4960.000	37.66	47.29	-9.63	74.00	-36.34		300	178	Peak	Vertical	

Mains Conducted Emission, 150kHz ~ 30MHz

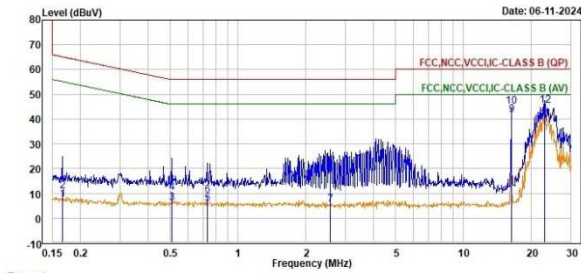
Worst Band

(Line)

(Neutral)



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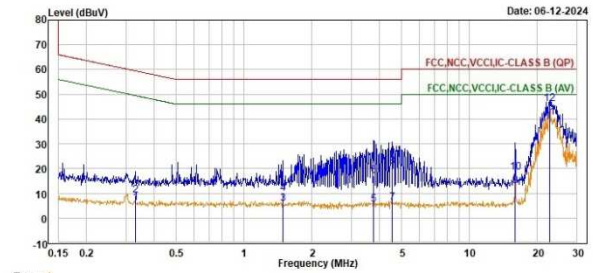


Trace: 1

	Freq	Level	Read	Limit	Over		
	MHz	dBuV	Level Factor	Line	Limit	Remark	Pol/Phase Note
	MHz	dBuV	dB	dB	dB		
1	0.17	7.39	-2.23	9.62	55.17	-47.78 Average	line1
2	0.17	10.00	1.18	9.62	65.17	-54.37 QP	line1
3	0.51	5.94	-3.69	9.63	46.00	-40.06 Average	line1
4	0.51	10.21	0.58	9.63	56.00	-45.79 QP	line1
5	0.73	5.79	-3.84	9.63	46.00	-40.21 Average	line1
6	0.73	9.12	-0.51	9.63	56.00	-46.88 QP	line1
7	2.57	5.42	-4.24	9.66	46.00	-40.58 Average	line1
8	2.57	17.28	7.62	9.66	56.00	-38.72 QP	line1
9	16.33	41.73	31.96	9.77	50.00	-8.27 Average	line1
10	16.33	45.03	35.26	9.77	60.00	-14.97 QP	line1
11	22.92	39.87	30.11	9.76	50.00	-10.13 Average	line1
12	22.92	45.34	35.58	9.76	60.00	-14.66 QP	line1



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Trace: 1

	Freq	Level	Read	Limit	Over		
	MHz	dBuV	Level Factor	Line	Limit	Remark	Pol/Phase Note
	MHz	dBuV	dB	dB	dB		
1	0.33	5.97	-3.65	9.62	49.50	-43.53 Average	neutral
2	0.33	9.11	-0.51	9.62	59.50	-50.39 QP	neutral
3	1.49	5.79	-3.86	9.65	46.00	-40.21 Average	neutral
4	1.49	9.74	0.09	9.65	56.00	-46.26 QP	neutral
5	3.75	5.52	-4.17	9.69	46.00	-40.48 Average	neutral
6	3.75	16.99	7.30	9.69	56.00	-39.01 QP	neutral
7	4.54	6.10	-3.61	9.71	46.00	-39.90 Average	neutral
8	4.54	20.01	11.10	9.71	56.00	-35.19 QP	neutral
9	16.01	12.78	2.95	9.83	50.00	-37.22 Average	neutral
10	16.01	18.38	8.55	9.83	60.00	-41.62 QP	neutral
11	22.69	40.60	30.73	9.87	50.00	-9.40 Average	neutral
12	22.69	46.10	36.23	9.87	60.00	-13.90 QP	neutral

<FPWB-A013BBKZ>

Band Edges, 2.31GHz ~ 2.9GHz

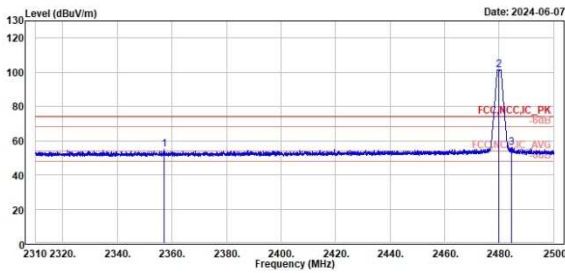
BLE_2M

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



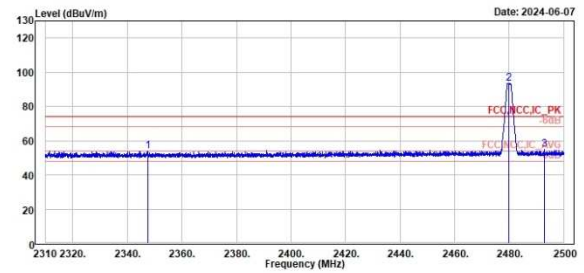
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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2357.002	54.64	17.06	37.58	74.00	-19.36	130	169 Peak	Horizontal	
2 *	2480.000	101.58	63.59	37.99	74.00	27.58	130	169 Peak	Horizontal	
3	2484.686	55.84	17.84	38.00	74.00	-18.16	130	169 Peak	Horizontal	



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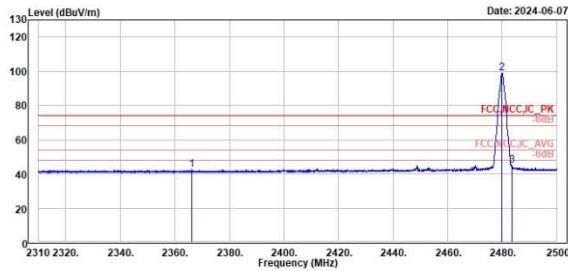
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2347.392	53.90	16.35	37.55	74.00	-20.10	133	277 Peak	Vertical	
2 *	2480.000	93.67	55.68	37.99	74.00	19.67	133	277 Peak	Vertical	
3	2492.970	54.97	16.96	38.01	74.00	-19.03	133	277 Peak	Vertical	

BLE_2M

High Channel (Horizontal) Average



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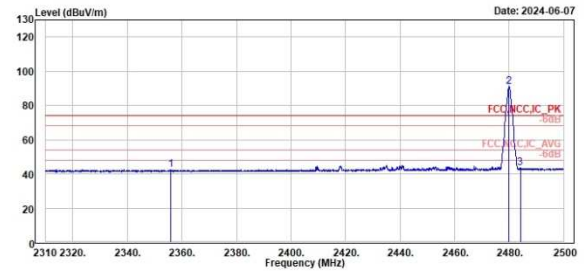


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2366.164	42.37	4.76	37.61	54.00	-11.63	130	169	Average	Horizontal	
2	2480.000	98.85	60.86	37.99	54.00	44.85	130	169	Average	Horizontal	
3	2483.508	45.03	7.03	38.00	54.00	-8.97	130	169	Average	Horizontal	

High 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	2355.828	42.68	5.10	37.58	54.00	-11.32	133	277	Average	Vertical	
2	2480.000	98.85	52.86	37.99	54.00	36.85	133	277	Average	Vertical	
3	2484.078	43.49	5.49	38.00	54.00	-10.51	133	277	Average	Vertical	

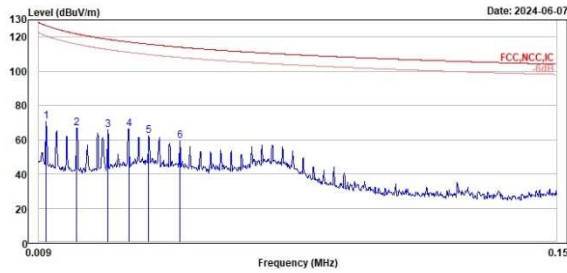
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

BLE_2M

High Channel (Open) 9kHz~150kHz



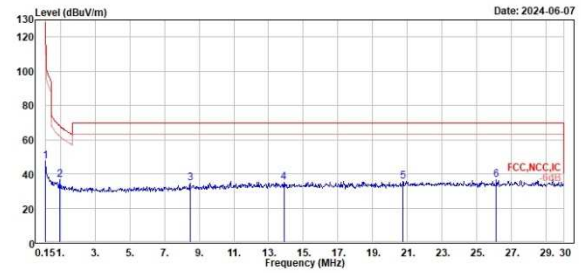
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.011	70.56	52.17	18.39	126.67	-56.11	100	125	Peak	Open		
2	0.019	66.92	47.90	19.02	121.82	-54.90	100	128	Peak	Open		
3	0.028	65.85	46.20	19.65	118.68	-52.83	100	121	Peak	Open		
4	0.034	66.41	46.65	19.76	117.08	-50.67	100	121	Peak	Open		
5	0.039	62.39	42.72	19.67	115.76	-53.37	100	128	Peak	Open		
6	0.047	59.13	39.58	19.55	114.06	-54.93	100	122	Peak	Open		



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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	0.150	47.55	28.93	18.62	104.80	-56.53	100	125	Peak	Open		
2	0.956	36.46	17.45	19.01	68.00	-31.54	100	150	Peak	Open		
3	8.478	34.64	14.10	20.54	69.50	-34.86	100	97	Peak	Open		
4	13.881	35.30	13.83	21.47	69.50	-34.20	100	299	Peak	Open		
5	20.747	35.77	13.55	22.22	69.50	-33.73	100	213	Peak	Open		
6	26.120	36.49	14.11	22.38	69.50	-33.01	100	87	Peak	Open		

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

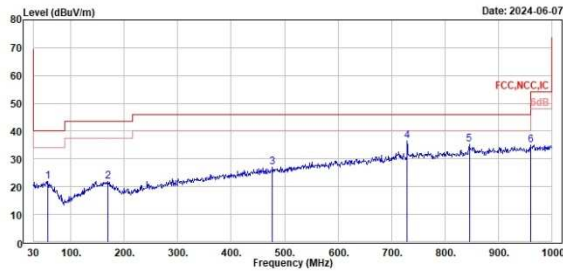
BLE_2M

High Channel (Horizontal)

High Channel (Vertical)



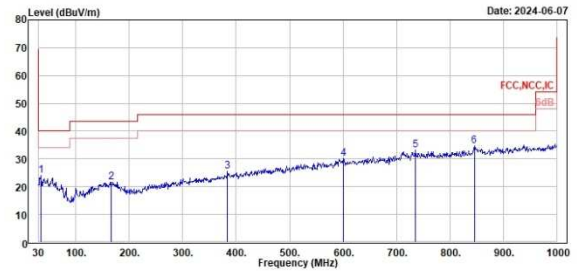
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	57.168	21.87	28.93	-7.06	40.00	-18.13	280			2 Peak	Horizontal	
2	168.718	21.97	28.77	-6.80	43.50	-21.53	400			336 Peak	Horizontal	
3	477.178	27.86	29.49	-2.43	46.00	-18.94	400			117 Peak	Horizontal	
4	729.378	36.50	34.35	2.15	46.00	-9.50	200			108 Peak	Horizontal	
5	845.778	35.23	31.00	4.23	46.00	-10.77	400			353 Peak	Horizontal	
6	968.238	35.11	29.47	5.64	54.00	-18.89	160			360 Peak	Horizontal	



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Peak	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	34.858	24.09	32.55	-8.46	40.00	-15.91	100			131 Peak	Vertical	
2	165.888	21.66	28.33	-6.67	43.50	-21.84	200			142 Peak	Vertical	
3	384.058	25.43	29.74	-4.31	46.00	-20.57	100			61 Peak	Vertical	
4	601.338	30.11	29.89	0.22	46.00	-15.89	199			360 Peak	Vertical	
5	736.168	33.02	30.58	2.44	46.00	-12.98	100			80 Peak	Vertical	
6	845.778	34.62	30.39	4.23	46.00	-11.38	100			233 Peak	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

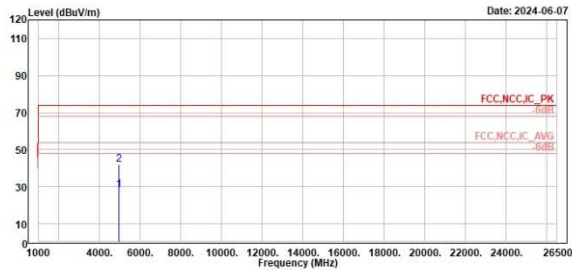
BLE_2M

High Channel (Horizontal)

High Channel (Vertical)



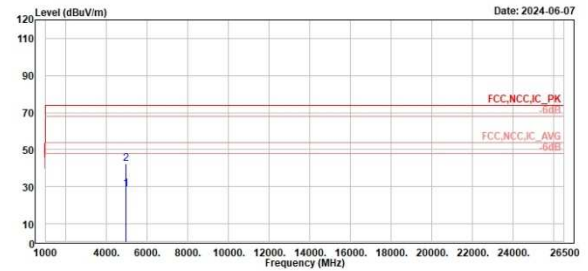
TÜV Rheinland Taiwan Ltd.
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4960.000	28.51	38.14	-9.63	54.00	-25.49	480	230	Average	Horizontal		
2	4960.000	41.92	51.55	-9.63	74.00	-32.08	480	230	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	4960.000	28.52	38.15	-9.63	54.00	-25.48	266	0	Average	Vertical		
2	4960.000	42.42	52.05	-9.63	74.00	-31.58	266	0	Peak	Vertical		

Mains Conducted Emission, 150kHz ~ 30MHz

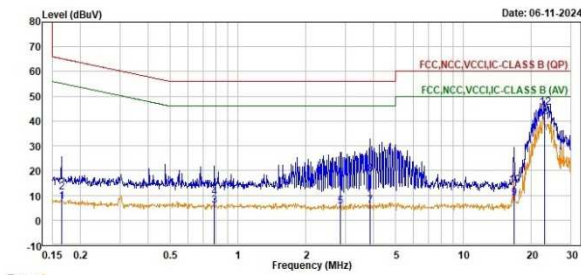
Worst Band

(Line)

(Neutral)



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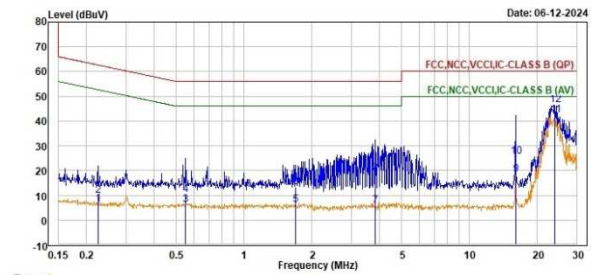


Trace: 1

	Freq	Level	Read	Limit	Over		
	MHz	dBuV	Level Factor	Line	Limit	Remark	Pol/Phase Note
1	0.16	7.50	-2.12	9.62	55.25	-47.75 Average	line1
2	0.16	11.36	1.74	9.62	65.25	-53.89 QP	line1
3	0.78	5.75	-3.89	9.64	46.00	-40.25 Average	line1
4	0.78	9.20	-0.44	9.64	56.00	-46.80 QP	line1
5	2.84	5.33	-4.35	9.68	46.00	-40.67 Average	line1
6	2.84	16.91	7.23	9.68	56.00	-39.09 QP	line1
7	3.87	5.69	-3.99	9.68	46.00	-40.31 Average	line1
8	3.87	18.41	8.73	9.68	56.00	-37.59 QP	line1
9	16.83	8.94	-0.83	9.77	50.00	-41.06 Average	line1
10	16.83	14.05	4.28	9.77	60.00	-45.95 QP	line1
11	22.92	39.67	29.91	9.76	50.00	-10.33 Average	line1
12	22.92	45.34	35.58	9.76	60.00	-14.66 QP	line1



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Trace: 1

	Freq	Level	Read	Limit	Over		
	MHz	dBuV	Level Factor	Line	Limit	Remark	Pol/Phase Note
1	0.22	6.50	-3.12	9.62	52.65	-46.15 Average	neutral
2	0.22	9.85	0.23	9.62	62.65	-52.80 QP	neutral
3	0.55	6.22	-3.41	9.63	46.00	-39.78 Average	neutral
4	0.55	10.28	0.65	9.63	56.00	-45.72 QP	neutral
5	1.70	5.94	-3.72	9.66	46.00	-40.06 Average	neutral
6	1.70	13.14	3.48	9.66	56.00	-42.86 QP	neutral
7	3.83	5.68	-4.01	9.69	46.00	-40.32 Average	neutral
8	3.83	18.67	8.98	9.69	56.00	-37.33 QP	neutral
9	16.09	18.56	8.73	9.83	50.00	-31.44 Average	neutral
10	16.09	25.56	15.73	9.83	60.00	-34.44 QP	neutral
11	24.09	42.31	32.44	9.87	50.00	-7.69 Average	neutral
12	24.09	46.53	36.66	9.87	60.00	-13.47 QP	neutral