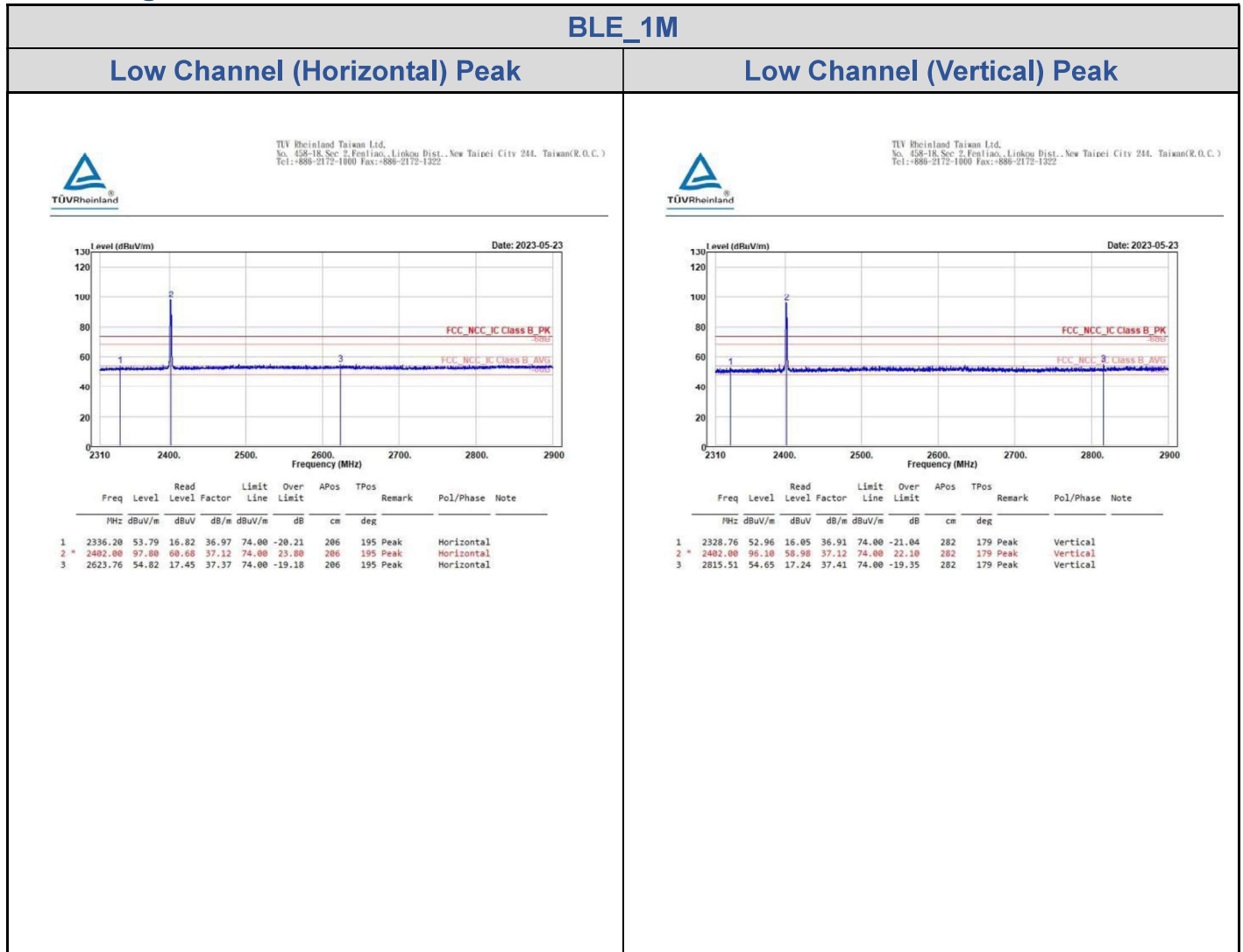


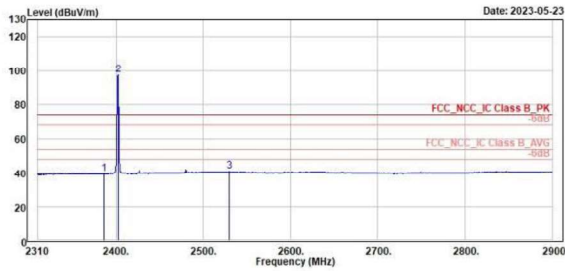
Appendix C: Test Results of Radiated Spurious Emissions & Mains Conducted Emission Test_BLE

Band Edges, 2.31GHz ~ 2.9GHz



BLE_1M
Low Channel (Horizontal) Average
Low Channel (Vertical) Average

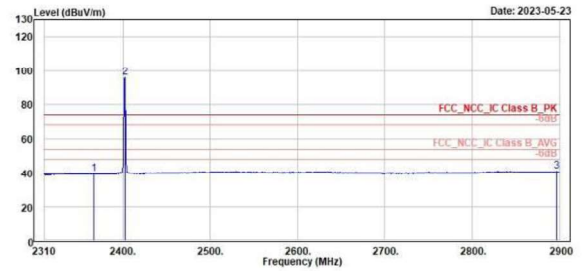

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Freq	Level	Read Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2385.87	39.66	2.56	37.10	54.00	-14.34	286	195 Average	Horizontal
2 *	2482.00	97.38	60.26	37.12	54.00	43.38	286	195 Average	Horizontal
3	2538.07	41.10	3.63	37.47	54.00	-12.90	286	195 Average	Horizontal



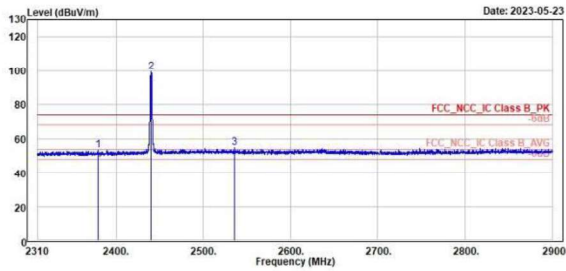
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Freq	Level	Read Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2366.29	39.68	2.60	37.08	54.00	-14.32	282	179 Average	Vertical
2 *	2482.00	95.68	58.56	37.12	54.00	41.68	282	179 Average	Vertical
3	2896.22	40.84	2.90	37.94	54.00	-13.16	282	179 Average	Vertical

BLE_1M
Middle Channel (Horizontal) Peak
Middle Channel (Vertical) Peak

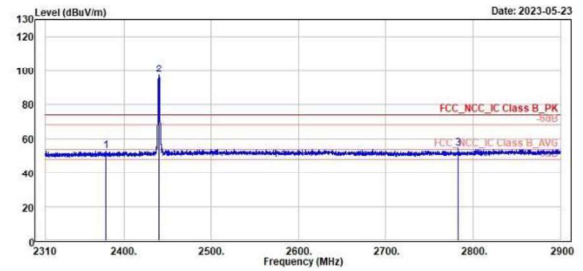

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Peak	Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2379.03	53.33	16.24	37.09	74.00	-20.67	195	195	Peak	Horizontal	
2 *	2448.00	99.38	62.00	37.38	74.00	25.38	195	195	Peak	Horizontal	
3	2535.97	54.62	17.16	37.46	74.00	-19.38	195	195	Peak	Horizontal	



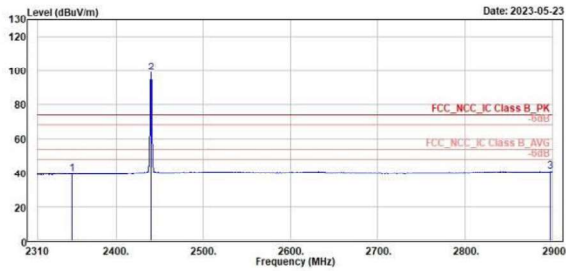
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Peak	Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2379.15	52.70	15.61	37.09	74.00	-21.30	242	179	Peak	Vertical	
2 *	2448.00	97.41	60.03	37.38	74.00	23.41	242	179	Peak	Vertical	
3	2782.35	54.19	16.86	37.33	74.00	-19.81	242	179	Peak	Vertical	

BLE_1M
Middle Channel (Horizontal) Average
Middle Channel (Vertical) Average

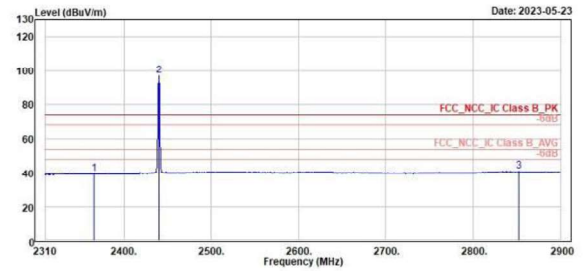

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Freq	Level	Read Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2349.29	39.62	2.56	37.06	54.00	-14.38	195	195 Average	Horizontal
2 *	2440.00	98.95	61.57	37.38	54.00	44.95	195	195 Average	Horizontal
3	2897.17	40.90	2.94	37.96	54.00	-13.10	195	195 Average	Horizontal



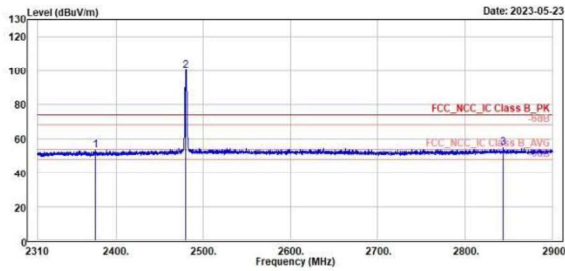
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Freq	Level	Read Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2365.81	39.74	2.66	37.08	54.00	-14.26	242	179 Average	Vertical
2 *	2440.00	98.95	59.57	37.38	54.00	42.95	242	179 Average	Vertical
3	2852.09	40.83	3.10	37.73	54.00	-13.17	242	179 Average	Vertical

BLE_1M
High Channel (Horizontal) Peak
High Channel (Vertical) Peak

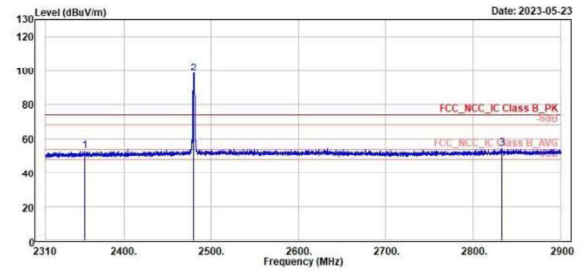

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Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2375.79	53.46	16.37	37.09	74.00	-20.54	192	193	Peak	Horizontal	
2 *	2480.00	100.23	62.75	37.48	74.00	26.23	192	193	Peak	Horizontal	
3	2843.24	54.66	16.99	37.67	74.00	-19.34	192	193	Peak	Horizontal	



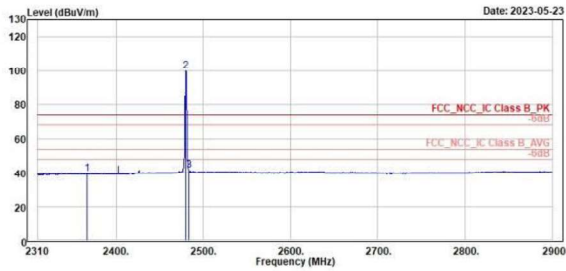
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Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2355.00	53.00	16.01	37.07	74.00	-20.92	299	175	Peak	Vertical	
2 *	2480.00	98.47	60.99	37.48	74.00	24.47	299	175	Peak	Vertical	
3	2832.86	54.36	16.79	37.57	74.00	-19.64	299	175	Peak	Vertical	

BLE_1M
High Channel (Horizontal) Average
High Channel (Vertical) Average

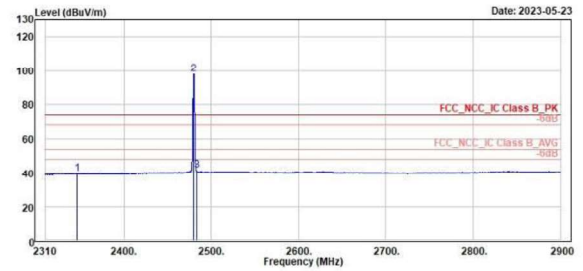

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Freq	Level	Read Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2367.11	39.68	2.68	37.08	54.00	-14.32	192	193 Average	Horizontal
2 *	2483.46	99.78	62.38	37.48	54.00	45.78	192	193 Average	Horizontal
3	2483.46	41.48	4.00	37.48	54.00	-12.52	192	193 Average	Horizontal



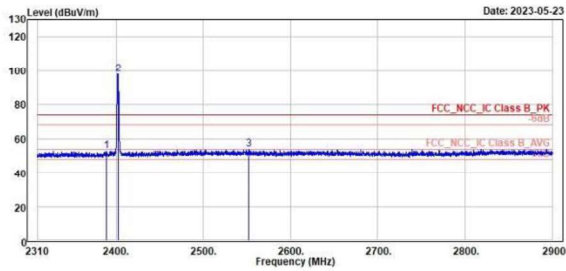
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Freq	Level	Read Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2346.58	39.68	2.64	37.04	54.00	-14.32	299	175 Average	Vertical
2 *	2483.46	98.81	60.53	37.48	54.00	44.01	299	175 Average	Vertical
3	2483.46	41.45	3.97	37.48	54.00	-12.55	299	175 Average	Vertical

BLE_2M
Low Channel (Horizontal) Peak
Low Channel (Vertical) Peak

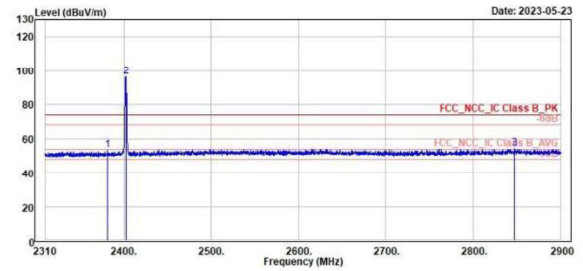

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1	2	3							
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
2388.59	52.74	15.64	37.10	74.00	-21.26	207	195 Peak	Horizontal	
2402.00	97.68	60.56	37.12	74.00	23.68	207	195 Peak	Horizontal	
2552.37	53.99	16.54	37.45	74.00	-20.01	207	195 Peak	Horizontal	



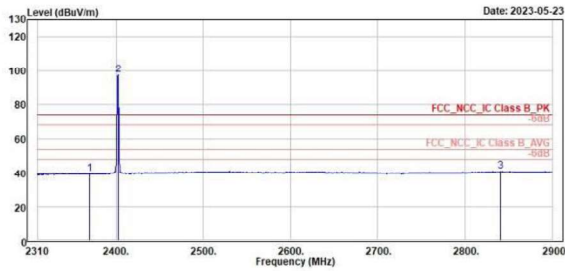
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1	2	3							
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
2381.51	53.26	16.17	37.09	74.00	-20.74	223	181 Peak	Vertical	
2402.00	96.18	59.06	37.12	74.00	22.18	223	181 Peak	Vertical	
2847.61	54.32	16.62	37.70	74.00	-19.68	223	181 Peak	Vertical	

BLE_2M
Low Channel (Horizontal) Average
Low Channel (Vertical) Average

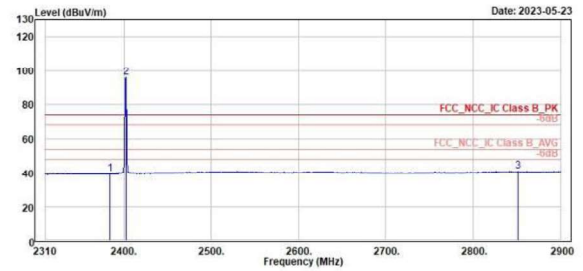

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Freq	Level	Read Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2369.71	39.74	2.65	37.08	54.00	-14.26	287	195 Average	Horizontal
2 *	2482.00	97.26	60.14	37.12	54.00	43.26	287	195 Average	Horizontal
3	2848.65	41.81	3.37	37.64	54.00	-12.99	287	195 Average	Horizontal

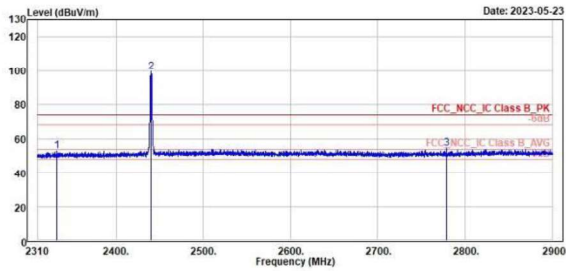


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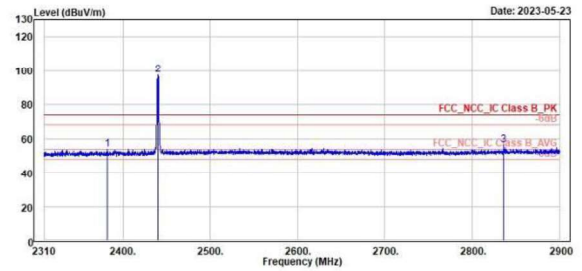


Freq	Level	Read Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2383.99	39.71	2.62	37.09	54.00	-14.29	223	181 Average	Vertical
2 *	2482.00	95.75	58.63	37.12	54.00	41.75	223	181 Average	Vertical
3	2850.91	40.87	3.15	37.72	54.00	-13.13	223	181 Average	Vertical

BLE_2M
Middle Channel (Horizontal) Peak
Middle Channel (Vertical) Peak

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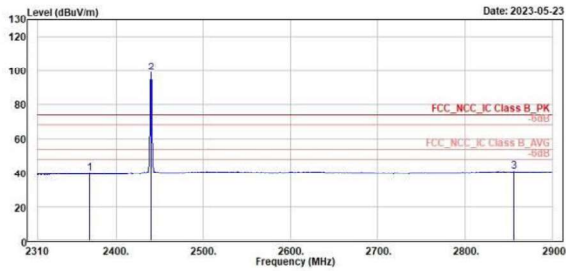
Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2332.42	53.13	16.19	36.94	74.00	-20.87	196	196	Peak	Horizontal	
2 *	2440.00	99.31	61.93	37.38	74.00	25.31	196	196	Peak	Horizontal	
3	2778.58	54.42	17.07	37.35	74.00	-19.58	196	196	Peak	Horizontal	


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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2381.74	54.00	16.91	37.09	74.00	-20.00	242	179	Peak	Vertical	
2 *	2440.00	97.38	68.00	37.38	74.00	23.38	242	179	Peak	Vertical	
3	2835.93	56.57	18.97	37.60	74.00	-17.43	242	179	Peak	Vertical	

BLE_2M
Middle Channel (Horizontal) Average
Middle Channel (Vertical) Average

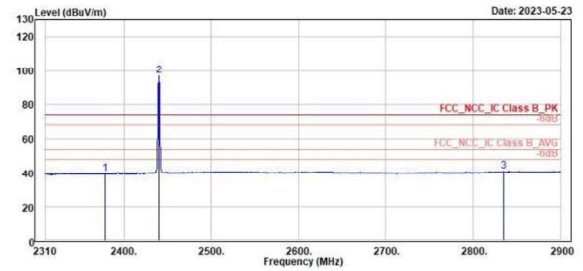

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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2369.35	49.92	2.94	37.08	54.00	-13.96	196	196 Average	Horizontal	
2 *	2440.00	98.85	61.47	37.38	54.00	44.85	196	196 Average	Horizontal	
3	2855.99	40.99	3.24	37.75	54.00	-13.01	196	196 Average	Horizontal	



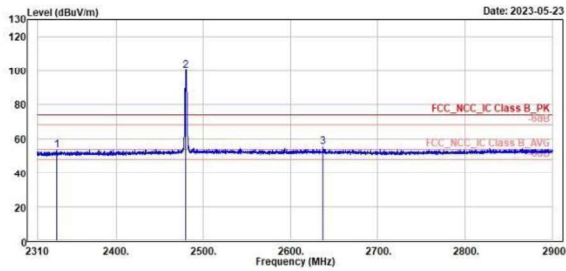
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2370.09	39.72	2.63	37.09	54.00	-14.28	242	179 Average	Vertical	
2 *	2440.00	96.91	59.53	37.38	54.00	42.91	242	179 Average	Vertical	
3	2834.39	41.21	3.62	37.59	54.00	-12.79	242	179 Average	Vertical	

BLE_2M
High Channel (Horizontal) Peak
High Channel (Vertical) Peak

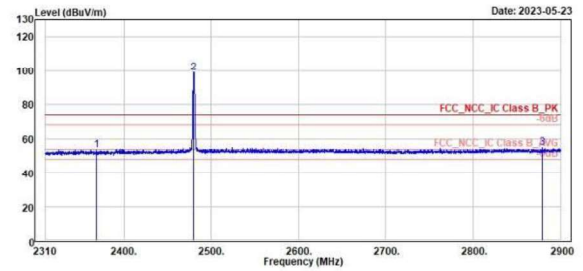

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Peak	Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2332.18	53.32	16.38	36.94	74.00	-20.68	190	194	Peak	Horizontal	
2 *	2480.00	100.13	62.65	37.48	74.00	26.13	190	194	Peak	Horizontal	
3	2637.21	55.18	17.87	37.31	74.00	-18.82	190	194	Peak	Horizontal	



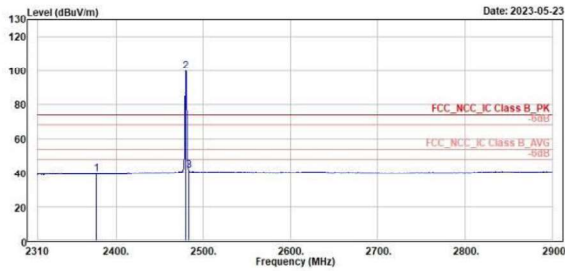
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Peak	Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2368.65	53.31	16.23	37.08	74.00	-20.69	300	175	Peak	Vertical	
2 *	2480.00	98.68	61.20	37.48	74.00	24.68	300	175	Peak	Vertical	
3	2879.11	54.88	17.01	37.87	74.00	-19.12	300	175	Peak	Vertical	

BLE_2M
High Channel (Horizontal) Average
High Channel (Vertical) Average

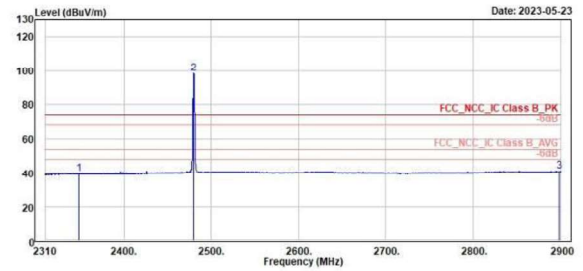

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Freq	Level	Read Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2377.26	39.77	2.68	37.09	54.00	-14.23	190	194 Average	Horizontal
2 *	2480.00	99.69	62.21	37.48	54.00	45.69	190	194 Average	Horizontal
3	2483.46	41.37	3.89	37.48	54.00	-12.63	190	194 Average	Horizontal

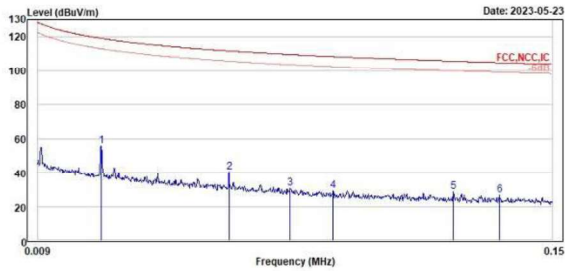


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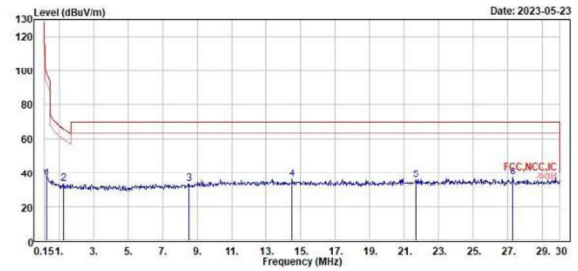


Freq	Level	Read Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2348.35	39.66	2.61	37.05	54.00	-14.34	300	175 Average	Vertical
2 *	2480.00	98.25	60.77	37.48	54.00	44.25	300	175 Average	Vertical
3	2897.88	41.10	3.14	37.96	54.00	-12.90	300	175 Average	Vertical

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz
BLE_1M
Low Channel (Open) 9kHz~150kHz
Low Channel (Open) 150kHz~30MHz

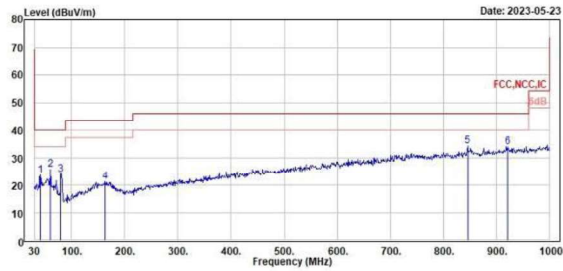
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.03	55.68	36.73	18.95	119.33	-63.45	100	344	Peak	Open	
2	0.06	40.51	21.66	18.85	111.82	-71.31	100	177	Peak	Open	
3	0.08	30.44	11.99	18.45	109.74	-79.30	100	315	Peak	Open	
4	0.09	29.38	11.22	18.16	108.52	-79.14	100	141	Peak	Open	
5	0.12	28.48	10.46	18.02	105.80	-77.32	100	116	Peak	Open	
6	0.14	26.53	8.46	18.07	104.96	-76.43	100	340	Peak	Open	

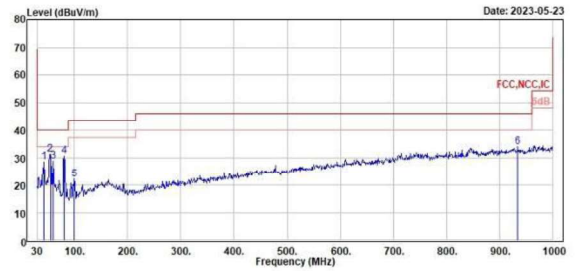

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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.30	36.71	17.97	18.74	98.80	-61.37	100	256	Peak	Open	
2	1.28	32.99	13.84	19.15	65.43	-32.44	100	215	Peak	Open	
3	8.54	33.12	12.16	20.96	69.50	-36.38	100	358	Peak	Open	
4	14.51	36.22	14.35	21.87	69.50	-33.28	100	119	Peak	Open	
5	21.67	35.83	13.57	22.26	69.50	-33.67	100	63	Peak	Open	
6	27.28	37.14	14.83	22.31	69.50	-32.36	100	128	Peak	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz
BLE_1M
Low Channel (Horizontal)
Low Channel (Vertical)

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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	48.67	23.77	31.68	-7.91	40.00	-16.23	301	360	Peak	Horizontal	
2	68.07	25.78	33.46	-7.68	40.00	-14.22	180	44	Peak	Horizontal	
3	79.47	24.02	36.01	-11.99	40.00	-15.98	300	342	Peak	Horizontal	
4	162.89	21.21	28.08	-6.87	43.50	-22.29	200	247	Peak	Horizontal	
5	845.77	34.26	30.56	3.70	46.00	-11.74	300	347	Peak	Horizontal	
6	920.46	34.12	29.31	4.81	46.00	-11.88	334	360	Peak	Horizontal	


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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	42.61	28.52	36.10	-7.58	40.00	-11.40	180	97	Peak	Vertical	
2	54.25	31.35	38.34	-6.99	40.00	-8.65	240	203	Peak	Vertical	
3	60.07	28.75	36.43	-7.68	40.00	-11.25	200	331	Peak	Vertical	
4	80.44	30.58	42.81	-12.23	40.00	-9.42	324	360	Peak	Vertical	
5	99.84	22.19	34.37	-12.18	43.50	-21.31	180	147	Peak	Vertical	
6	934.04	33.92	28.88	5.04	46.00	-12.00	100	252	Peak	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

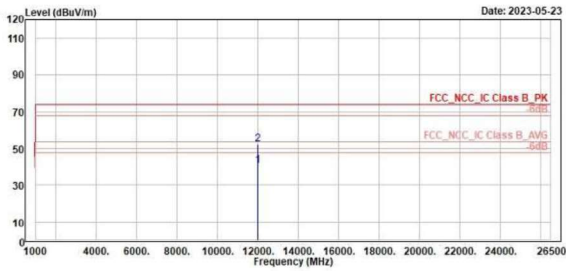
BLE_1M

Low Channel (Horizontal)

Low Channel (Vertical)



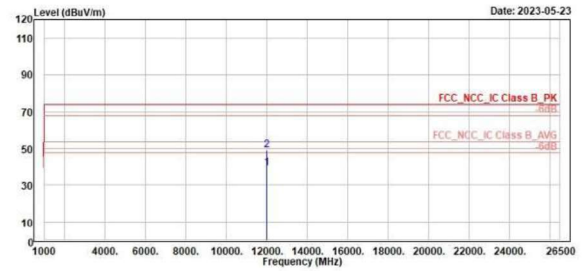
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Freq	Level	Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	12010.00	41.27	42.95	-1.68	54.00	-12.73	180	313 Average	Horizontal	
2	12010.00	52.28	53.96	-1.68	74.00	-21.72	180	313 Peak	Horizontal	



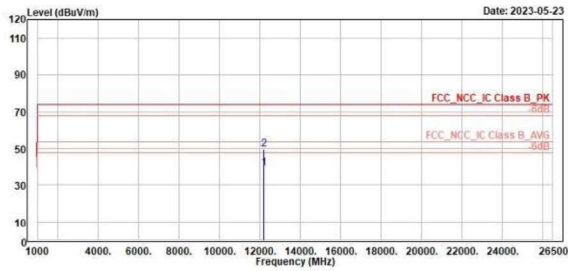
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Freq	Level	Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	12010.00	39.55	41.23	-1.68	54.00	-14.45	480	286 Average	Vertical	
2	12010.00	49.23	50.91	-1.68	74.00	-24.77	480	286 Peak	Vertical	

BLE_1M
Middle Channel (Horizontal)
Middle Channel (Vertical)

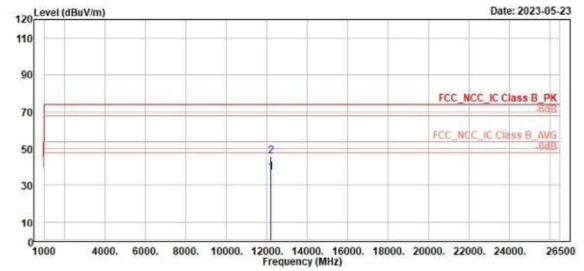

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Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note		
Level	Line	Limit	cm	deg					
Factor	Line	Limit							
Freq	Level	Level	Factor	Limit	Over	APos	TPos		
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	12200.00	39.54	40.91	-1.37	54.00	-14.46	111	308 Average	Horizontal
2	12200.00	49.69	51.06	-1.37	74.00	-24.31	111	308 Peak	Horizontal



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Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note		
Level	Line	Limit	cm	deg					
Factor	Line	Limit							
Freq	Level	Level	Factor	Limit	Over	APos	TPos		
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	12200.00	37.41	38.78	-1.37	54.00	-16.59	400	219 Average	Vertical
2	12200.00	46.28	47.65	-1.37	74.00	-27.72	400	219 Peak	Vertical

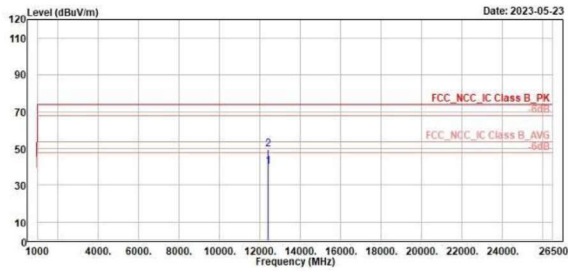
BLE_1M

High Channel (Horizontal)

High Channel (Vertical)



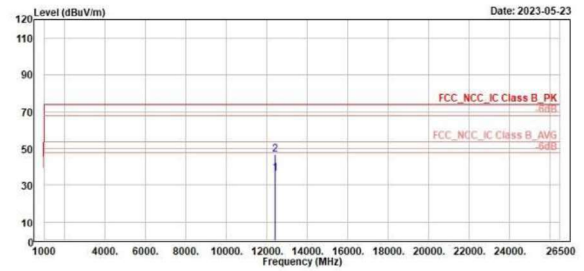
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1	2
12400.00	12400.00
49.74	49.74
41.97	41.97
-1.36	-1.36
54.00	54.00
-13.39	-13.39
391	353
353	Average
Horizontal	Horizontal



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1	2
12400.00	12400.00
46.85	46.85
38.16	38.16
-1.36	-1.36
54.00	54.00
-17.20	-17.20
300	344
344	Average
Vertical	Vertical

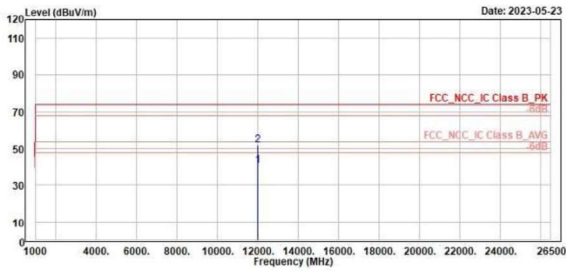
BLE_2M

Low Channel (Horizontal)

Low Channel (Vertical)



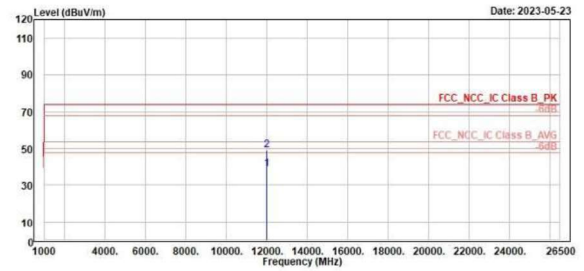
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Freq	Level	Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	12010.00	41.16	42.84	-1.68	54.00	-12.84	180	313 Average	Horizontal	
2	12010.00	52.07	53.75	-1.68	74.00	-21.93	180	313 Peak	Horizontal	



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Freq	Level	Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	12010.00	39.43	41.11	-1.68	54.00	-14.57	480	252 Average	Vertical	
2	12010.00	49.22	50.90	-1.68	74.00	-24.78	480	252 Peak	Vertical	

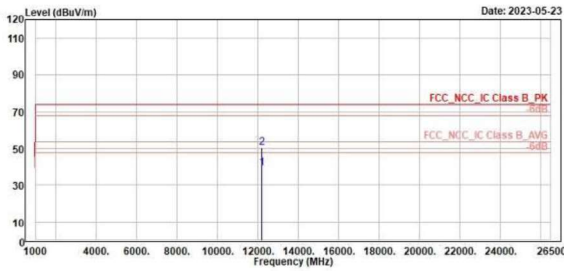
BLE_2M

Middle Channel (Horizontal)

Middle Channel (Vertical)



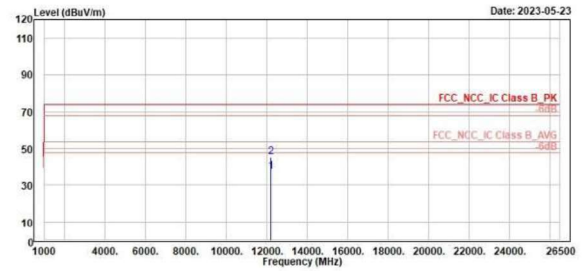
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Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note		
Freq	Level	Level Factor	Line	Limit					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	12200.00	39.87	41.24	-1.37	54.00	-14.13	185	389 Average	Horizontal
2	12200.00	50.49	51.86	-1.37	74.00	-23.51	185	389 Peak	Horizontal



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Read	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	12200.00	37.79	39.16	-1.37	54.00	-16.21	180	245 Average	Vertical
2	12200.00	45.70	47.07	-1.37	74.00	-28.30	180	245 Peak	Vertical

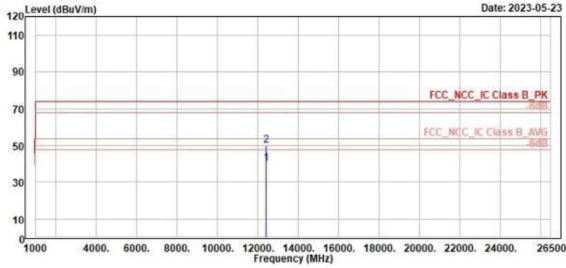
BLE_2M

High Channel (Horizontal)

High Channel (Vertical)



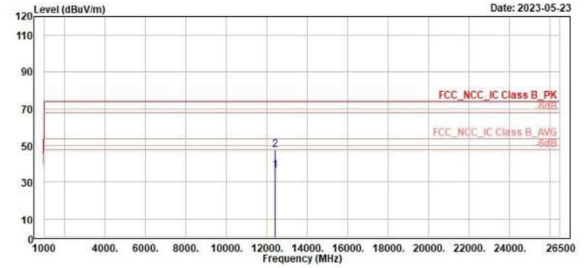
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Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note		
Freq	Level	Level Factor	Line	Limit					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	12400.00	49.57	41.93	-1.36	54.00	-13.43	480	353 Average	Horizontal
2	12400.00	50.26	51.62	-1.36	74.00	-23.74	480	353 Peak	Horizontal

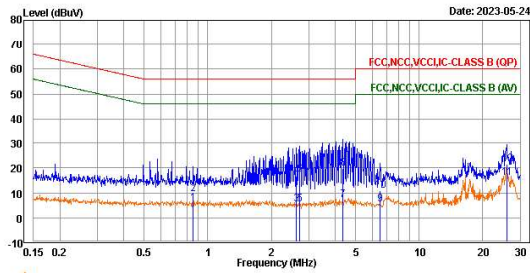


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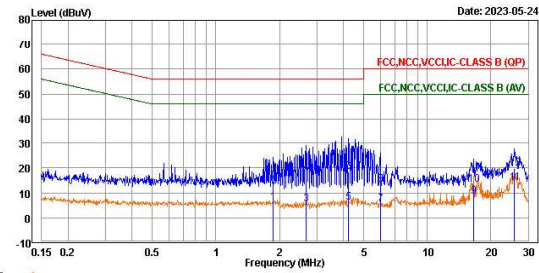
Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note		
Freq	Level	Level Factor	Line	Limit					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	12400.00	37.05	38.41	-1.36	54.00	-16.95	100	238 Average	Vertical
2	12400.00	47.82	49.18	-1.36	74.00	-26.18	100	238 Peak	Vertical

Mains Conducted Emission, 150kHz ~ 30MHz
Worst Band
(Line)
(Neutral)

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 Tel: +886-2112-1000 Fax: +886-2112-1322


Trace: 1

Line	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor (dB)	Limit Line (dB)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.85	5.86	-3.78	9.64	46.00	-40.14	Average	line1	
2	0.85	9.43	-0.21	9.64	56.00	-46.57	QP	line1	
3	2.62	5.41	-4.25	9.66	46.00	-40.59	Average	line1	
4	2.62	16.65	6.99	9.66	56.00	-39.35	QP	line1	
5	2.73	5.43	-4.23	9.66	46.00	-40.57	Average	line1	
6	2.73	17.26	7.60	9.66	56.00	-38.74	QP	line1	
7	4.36	7.12	-2.57	9.69	46.00	-38.88	Average	line1	
8	4.36	19.64	9.95	9.69	56.00	-36.36	QP	line1	
9	6.53	5.32	-4.40	9.72	50.00	-44.68	Average	line1	
10	6.53	10.93	1.21	9.72	60.00	-49.07	QP	line1	
11	25.96	16.12	6.38	9.74	50.00	-33.88	Average	line1	
12	25.96	21.62	11.88	9.74	60.00	-38.38	QP	line1	


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Trace: 1

Line	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor (dB)	Limit Line (dB)	Over Limit (dB)	Remark	Pol/Phase	Note
1	1.87	6.16	-3.50	9.66	46.00	-39.84	Average	neutral	
2	1.87	14.64	4.98	9.66	56.00	-41.36	QP	neutral	
3	2.66	5.55	-4.12	9.67	46.00	-40.45	Average	neutral	
4	2.66	18.01	8.34	9.67	56.00	-37.99	QP	neutral	
5	4.25	6.08	-3.62	9.70	46.00	-39.92	Average	neutral	
6	4.25	18.48	8.78	9.70	56.00	-37.52	QP	neutral	
7	6.00	5.41	-4.33	9.74	50.00	-44.59	Average	neutral	
8	6.00	13.37	3.63	9.74	60.00	-46.63	QP	neutral	
9	16.50	8.54	-1.30	9.84	50.00	-41.46	Average	neutral	
10	16.50	13.42	3.58	9.84	60.00	-46.56	QP	neutral	
11	25.83	13.85	3.98	9.87	50.00	-36.15	Average	neutral	
12	25.83	19.90	10.03	9.87	60.00	-40.10	QP	neutral	