

Appendix B: Test Results of Radiated Spurious Emissions & Mains

Conducted Emission Test

<EUT with Antenna 1_Kaga>

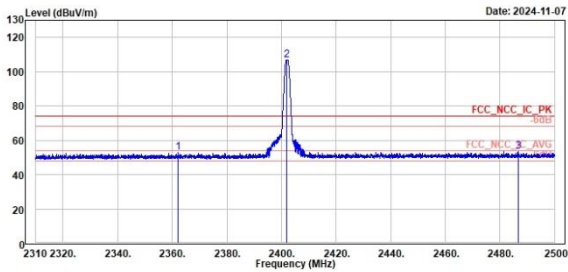
Band Edges, 2.31GHz ~ 2.5GHz

BLE_1M

Low Channel (Horizontal) Peak



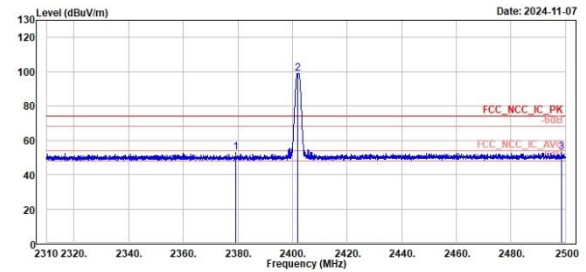
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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2362.14	52.79	46.92	5.78	74.00	-21.30	308	264	Peak	Horizontal	
2 *	2402.00	106.04	100.95	5.09	74.00	32.04	308	264	Peak	Horizontal	
3	2486.70	53.41	47.27	6.14	74.00	-20.59	308	264	Peak	Horizontal	



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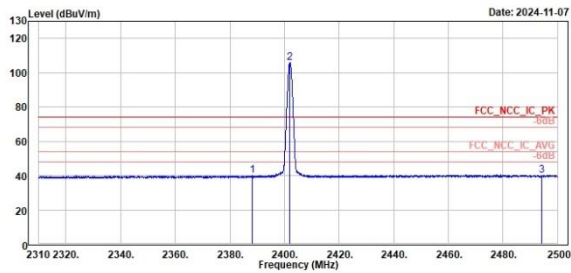
	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2379.31	52.76	46.94	5.82	74.00	-21.24	144	226	Peak	Vertical	
2 *	2402.00	99.10	93.21	5.89	74.00	25.10	144	226	Peak	Vertical	
3	2498.48	53.07	46.92	6.15	74.00	-20.93	144	226	Peak	Vertical	

BLE_1M

Low Channel (Horizontal) Average



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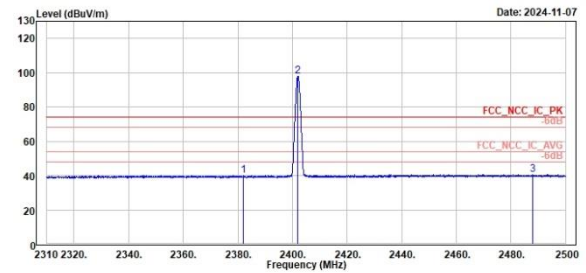


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2388.32	39.92	34.07	5.85	54.00	-14.08	308	264	Average	Horizontal		
2 *	2402.00	105.81	99.92	5.89	54.00	51.81	308	264	Average	Horizontal		
3	2494.15	40.27	34.13	6.14	54.00	-13.73	308	264	Average	Horizontal		

Low Channel (Vertical) Average



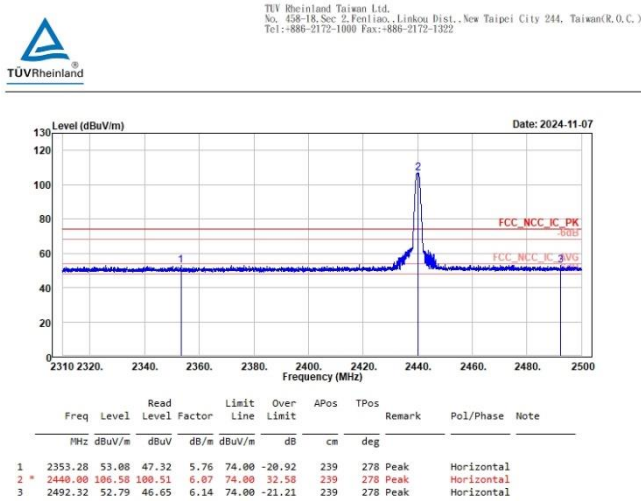
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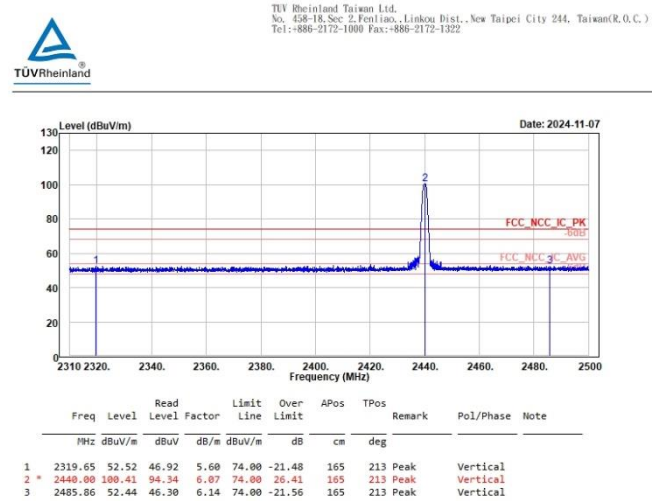
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2382.12	40.13	34.31	5.82	54.00	-13.87	144	226	Average	Vertical		
2 *	2402.00	98.01	92.12	5.89	54.00	44.01	144	226	Average	Vertical		
3	2488.11	40.51	34.37	6.14	54.00	-13.49	144	226	Average	Vertical		

BLE_1M

Middle Channel (Horizontal) Peak



Middle Channel (Vertical) Peak

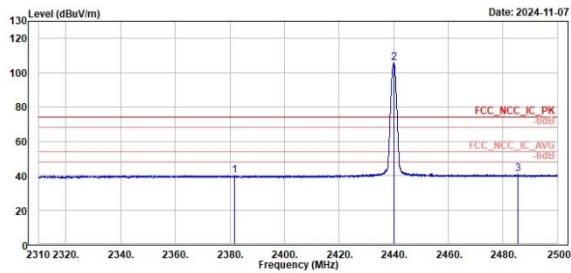


BLE_1M

Middle Channel (Horizontal) Average



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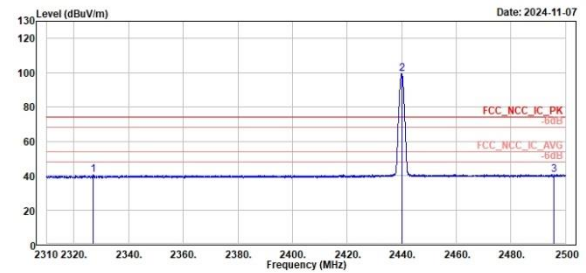


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2381.78	40.14	34.32	5.82	54.00	-13.86	239	278	Average	Horizontal		
2 *	2440.00	105.59	99.52	6.07	54.00	51.59	239	278	Average	Horizontal		
3	2495.52	41.02	34.88	6.14	54.00	-12.98	239	278	Average	Horizontal		

Middle Channel (Vertical) Average



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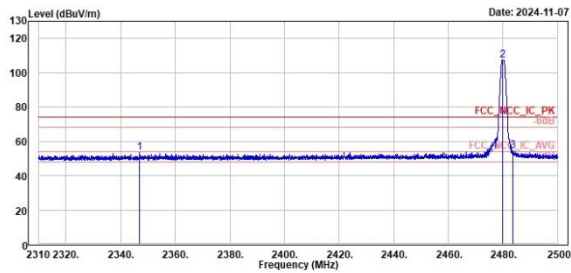
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2326.95	40.29	34.65	5.64	54.00	-13.71	165	213	Average	Vertical		
2 *	2440.00	99.39	93.32	6.07	54.00	45.39	165	213	Average	Vertical		
3	2495.78	40.60	34.46	6.14	54.00	-13.40	165	213	Average	Vertical		

BLE_1M

High Channel (Horizontal) Peak



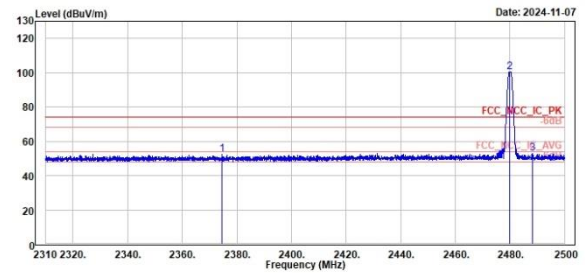
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2346.97	53.15	47.42	5.73	74.00	-20.85	255	258	Peak	Horizontal		
2 *	2480.00	107.22	101.09	6.13	74.00	33.22	255	258	Peak	Horizontal		
3	2483.70	54.46	48.32	6.14	74.00	-19.54	255	258	Peak	Horizontal		



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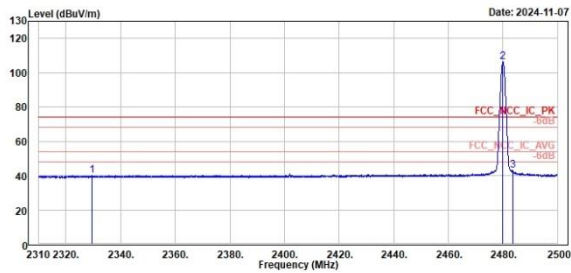
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2374.64	52.27	46.46	5.81	74.00	-21.73	130	228	Peak	Vertical		
2 *	2480.00	100.45	94.32	6.13	74.00	26.45	130	228	Peak	Vertical		
3	2488.41	52.71	46.57	6.14	74.00	-21.29	130	228	Peak	Vertical		

BLE_1M

High Channel (Horizontal) Average



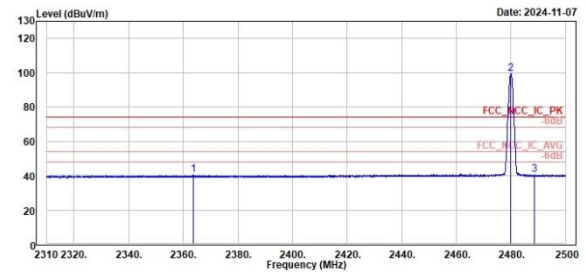
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2329.61	40.09	34.43	5.66	54.00	-13.91	255	258	Average	Horizontal		
2 *	2480.00	106.21	100.88	6.13	54.00	52.21	255	258	Average	Horizontal		
3	2483.58	42.76	36.62	6.14	54.00	-11.24	255	258	Average	Horizontal		



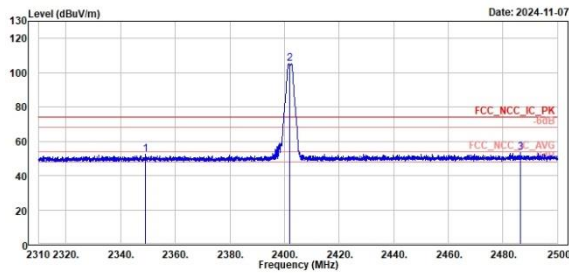
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2363.54	40.34	34.56	5.78	54.00	-13.66	130	228	Average	Vertical		
2 *	2480.00	99.42	93.29	6.13	54.00	45.42	130	228	Average	Vertical		
3	2488.71	40.58	34.43	6.15	54.00	-13.42	130	228	Average	Vertical		

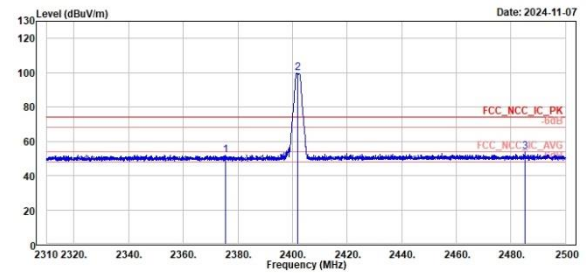
BLE_2M

Low Channel (Horizontal) 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	2349.03	52.35	46.61	5.74	74.00	-21.65	395	256 Peak		Horizontal		
2 *	2402.00	105.28	99.39	5.89	74.00	31.28	395	256 Peak		Horizontal		
3	2486.55	53.28	47.14	6.14	74.00	-26.72	395	256 Peak		Horizontal		

Low Channel (Vertical) Peak



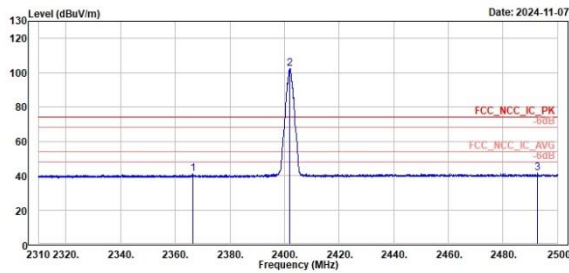
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2375.63	52.06	46.24	5.82	74.00	-21.94	312	215 Peak		Vertical		
2 *	2402.00	99.77	93.88	5.89	74.00	25.77	312	215 Peak		Vertical		
3	2485.03	53.75	47.61	6.14	74.00	-26.25	312	215 Peak		Vertical		

BLE_2M

Low Channel (Horizontal) Average



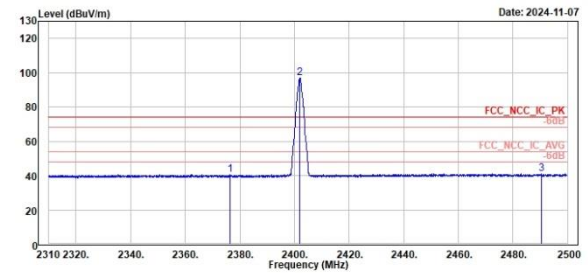
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Low Channel (Vertical) Average

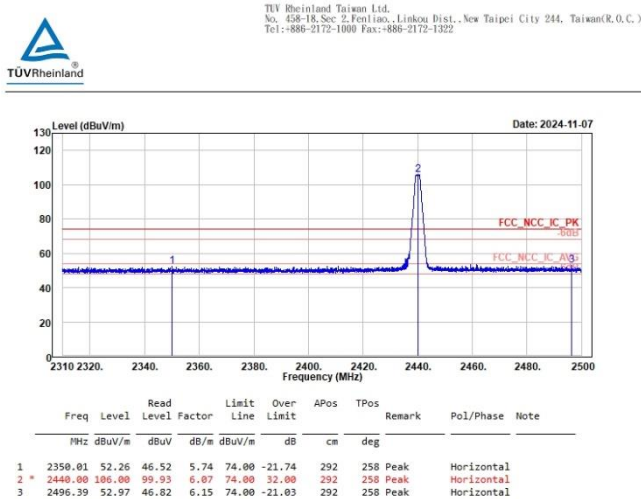


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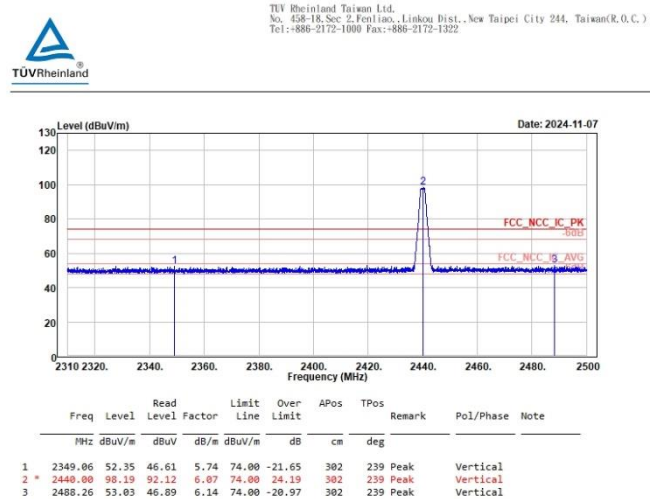


BLE_2M

Middle Channel (Horizontal) Peak



Middle Channel (Vertical) Peak

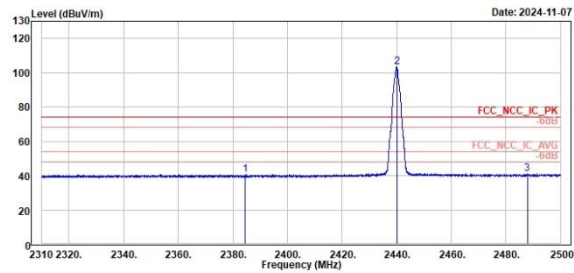


BLE_2M

Middle Channel (Horizontal) Average



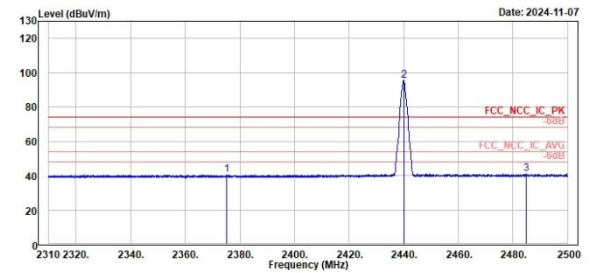
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2384.40	40.51	34.67	5.84	54.00	-13.49	292	258	Average	Horizontal		
2 *	2440.00	103.21	97.14	6.07	54.00	49.21	292	258	Average	Horizontal		
3	2487.80	41.04	34.90	6.14	54.00	-12.96	292	258	Average	Horizontal		



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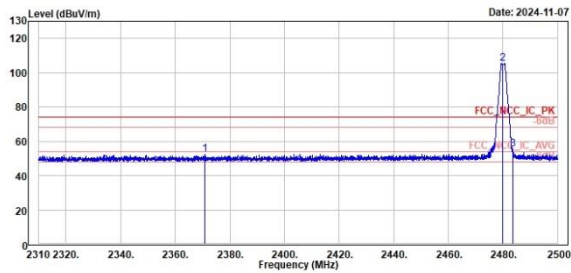
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2375.32	40.67	34.05	5.82	54.00	-13.33	302	239	Average	Vertical		
2 *	2440.00	95.39	89.32	6.07	54.00	41.39	302	239	Average	Vertical		
3	2484.99	40.83	34.69	6.14	54.00	-13.17	302	239	Average	Vertical		

BLE_2M

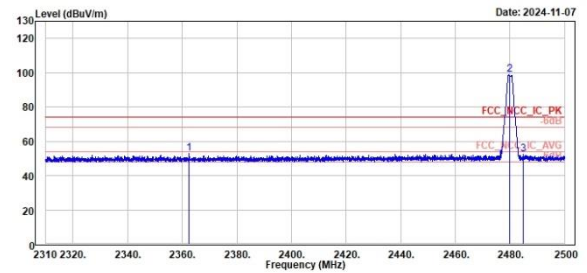
High Channel (Horizontal) Peak



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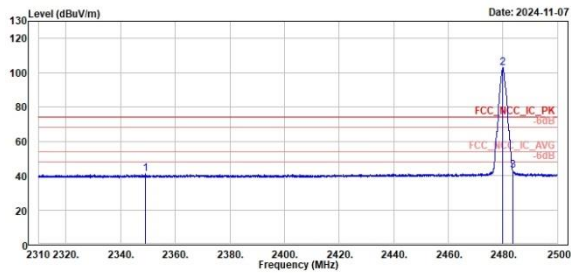


BLE_2M

High Channel (Horizontal) Average



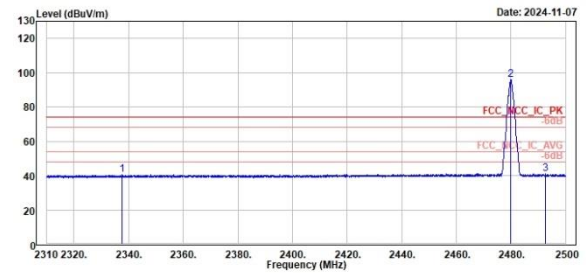
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2348.99	40.92	35.18	5.74	54.00	-13.08	314	255	Average	Horizontal		
2 *	2480.00	102.64	96.51	6.13	54.00	48.64	314	255	Average	Horizontal		
3	2483.55	43.04	36.90	6.14	54.00	-10.96	314	255	Average	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	2337.55	40.64	34.95	5.69	54.00	-13.36	303	220	Average	Vertical		
2 *	2480.00	95.76	89.63	6.13	54.00	41.76	303	220	Average	Vertical		
3	2492.63	40.85	34.71	6.14	54.00	-13.15	303	220	Average	Vertical		

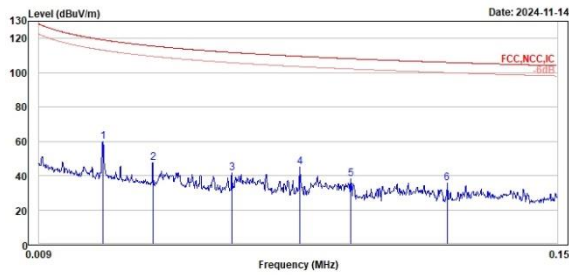
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

BLE_1M

High Channel (Open) 9kHz~150kHz



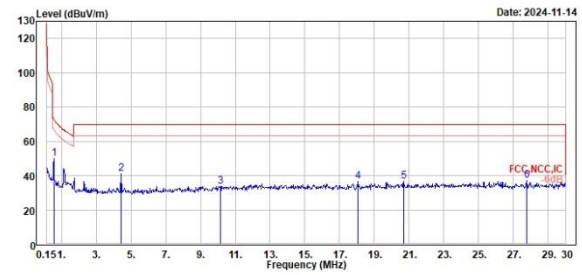
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.03	59.61	40.06	19.55	119.13	-59.52	100	77	Peak	Open	
2	0.04	47.42	27.76	19.66	115.55	-68.13	100	177	Peak	Open	
3	0.06	41.33	22.04	19.29	111.82	-70.49	100	69	Peak	Open	
4	0.08	44.78	25.86	18.92	109.53	-64.75	100	178	Peak	Open	
5	0.09	38.02	19.37	18.65	108.16	-70.14	100	187	Peak	Open	
6	0.12	35.56	16.99	18.57	106.02	-70.46	100	188	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	0.57	49.87	30.78	19.09	72.52	-22.65	100	202	Peak	Open	
2	4.42	41.23	21.88	19.35	69.50	-28.27	100	180	Peak	Open	
3	10.15	33.77	12.75	21.02	69.50	-35.73	100	284	Peak	Open	
4	18.06	36.44	14.47	21.97	69.50	-33.06	100	277	Peak	Open	
5	20.69	36.50	14.28	22.22	69.50	-33.00	100	349	Peak	Open	
6	27.76	36.99	14.56	22.43	69.50	-32.51	100	205	Peak	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

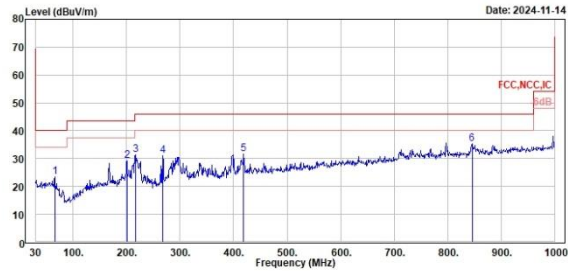
BLE_1M

High Channel (Horizontal)

High Channel (Vertical)



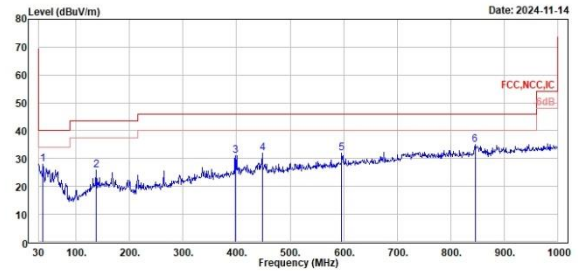
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	65.89	23.48	32.26	-8.78	40.00	-16.52	100	189	Peak	Horizontal		
2	200.72	29.21	38.61	-9.40	43.50	-14.29	100	332	Peak	Horizontal		
3	217.21	31.43	40.83	-9.40	46.00	-14.57	100	179	Peak	Horizontal		
4	267.65	31.05	38.34	-7.29	46.00	-14.95	100	90	Peak	Horizontal		
5	418.97	31.68	35.24	-3.56	46.00	-14.32	100	196	Peak	Horizontal		
6	845.77	35.39	31.16	4.23	46.00	-10.61	139	360	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	37.76	27.98	36.12	-8.14	40.00	-12.02	100	22	Peak	Vertical		
2	137.67	25.85	33.79	-7.94	43.50	-17.65	100	59	Peak	Vertical		
3	397.63	31.17	35.07	-3.90	46.00	-14.83	100	212	Peak	Vertical		
4	448.07	31.95	34.67	-2.72	46.00	-14.05	100	187	Peak	Vertical		
5	596.48	31.98	31.83	0.15	46.00	-14.02	100	4	Peak	Vertical		
6	845.77	34.86	30.63	4.23	46.00	-11.14	200	0	Peak	Vertical		

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

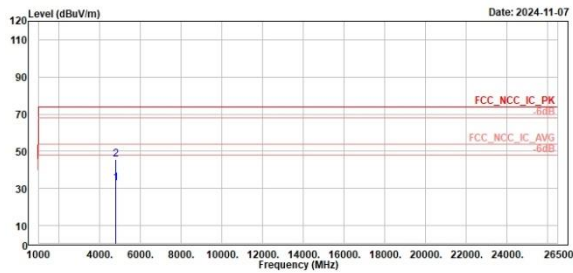
BLE_1M

Low Channel (Horizontal)

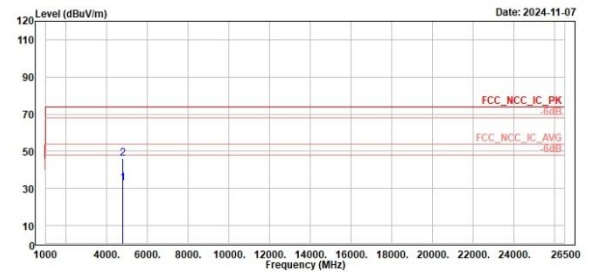
Low Channel (Vertical)



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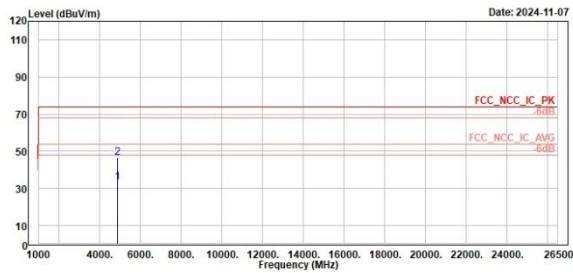
BLE_1M

Middle Channel (Horizontal)

Middle Channel (Vertical)



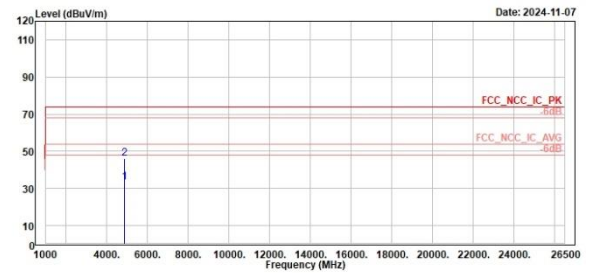
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4880.00	33.51	23.64	9.87	54.00	-20.49	100	136	Average	Horizontal	
2	4880.00	46.36	36.49	9.87	74.00	-27.64	100	136	Peak	Horizontal	



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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	33.30	23.43	9.87	54.00	-20.70	100	163	Average	Vertical	
2	4880.00	46.11	36.24	9.87	74.00	-27.89	100	163	Peak	Vertical	

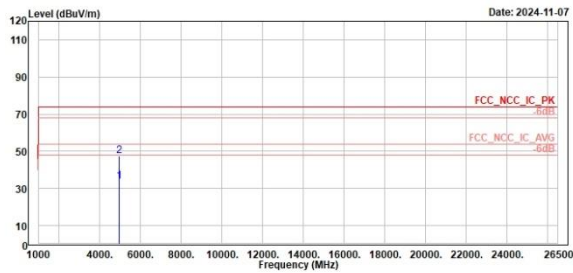
BLE_1M

High Channel (Horizontal)

High Channel (Vertical)



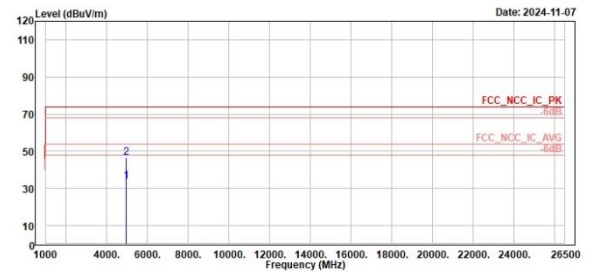
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	4960.00	33.79	23.63	10.16	54.00	-20.21	271	0	Average	Horizontal		
2	4960.00	47.34	37.18	10.16	74.00	-26.66	271	0	Peak	Horizontal		



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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	4960.00	33.58	23.42	10.16	54.00	-20.42	100	55	Average	Vertical		
2	4960.00	46.42	36.26	10.16	74.00	-27.58	100	95	Peak	Vertical		

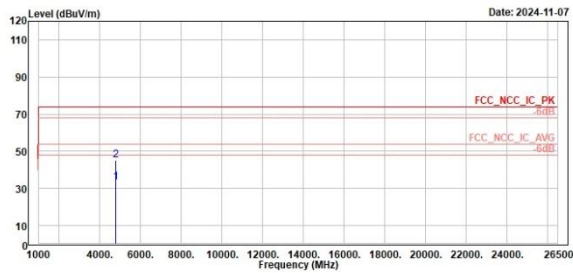
BLE_2M

Low Channel (Horizontal)

Low Channel (Vertical)



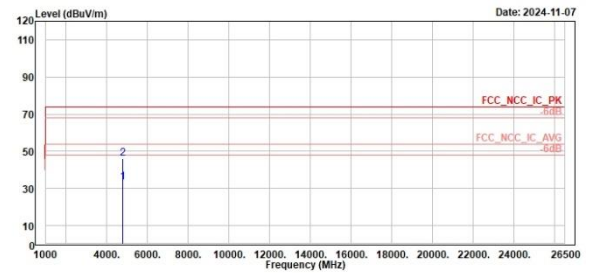
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4894.00	33.43	23.68	9.75	54.00	-20.57	100	242	Average	Horizontal	
2	4894.00	45.25	35.50	9.75	74.00	-28.75	100	242	Peak	Horizontal	



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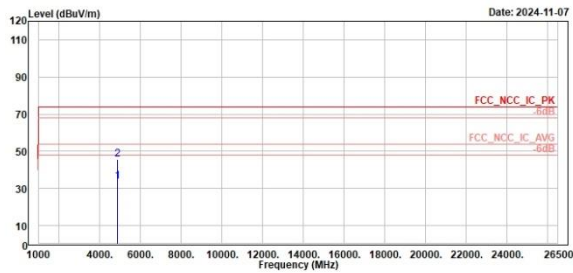
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4894.00	33.28	23.53	9.75	54.00	-20.72	100	150	Average	Vertical	
2	4894.00	46.25	36.50	9.75	74.00	-27.75	100	150	Peak	Vertical	

BLE_2M

Middle Channel (Horizontal)



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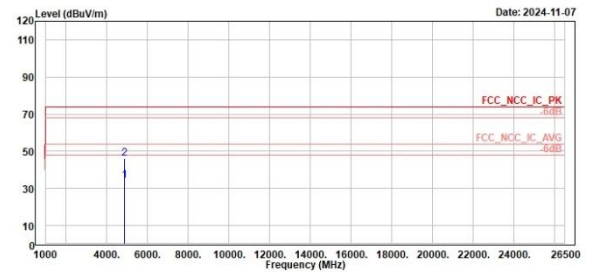


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4880.00	33.78	23.91	9.87	54.00	-20.22	100		1 Average	Horizontal	
2	4880.00	45.67	35.80	9.87	74.00	-28.33	100		1 Peak	Horizontal	

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	4880.00	34.67	24.20	9.87	54.00	-19.93	100	330	Average	Vertical	
2	4880.00	45.69	36.02	9.87	74.00	-28.11	100		330 Peak	Vertical	

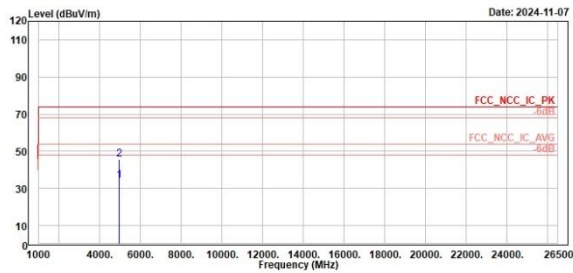
BLE_2M

High Channel (Horizontal)

High Channel (Vertical)



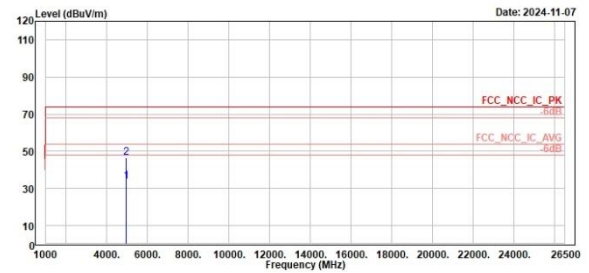
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	34.07	23.91	10.16	54.00	-19.93	100	255	Average	Horizontal	
2	4960.00	45.72	35.56	10.16	74.00	-28.28	100	255	Peak	Horizontal	



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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	4960.00	33.96	23.80	10.16	54.00	-20.04	100	74	Average	Vertical	
2	4960.00	46.51	36.35	10.16	74.00	-27.49	100	74	Peak	Vertical	

Mains Conducted Emission, 150kHz ~ 30MHz

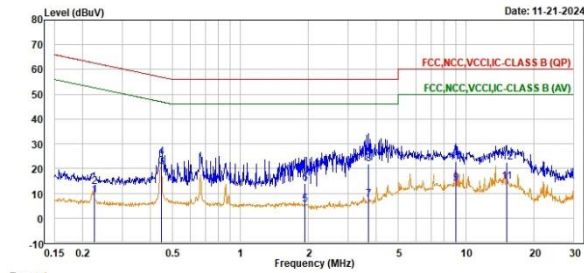
Worst Band

(Line)

(Neutral)



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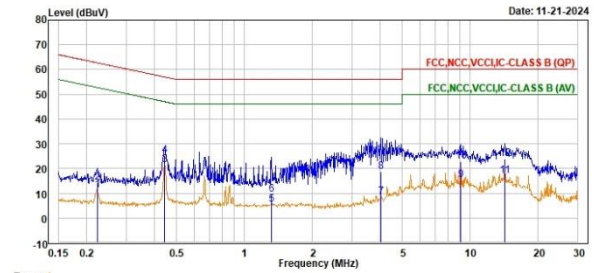


Trace: 1

	Freq	Level	Read	Limit	Over		
	MHz	dBuV	Level Factor	Line	Limit	Remark	Pol/Phase Note
	MHz	dBuV	dB	dBuV	dB		
1	0.22	9.14	-0.49	9.63	52.65	-43.51 Average	line1
2	0.22	12.47	2.84	9.63	62.65	-50.18 QP	line1
3	0.44	20.75	11.12	9.63	46.98	-26.23 Average	line1
4	0.44	24.71	15.08	9.63	56.98	-32.27 QP	line1
5	1.92	5.54	-4.12	9.66	46.00	-40.46 Average	line1
6	1.92	13.92	4.26	9.66	56.00	-42.08 QP	line1
7	3.70	7.34	-2.34	9.68	46.00	-38.66 Average	line1
8	3.70	21.70	12.02	9.68	56.00	-34.30 QP	line1
9	9.02	14.03	4.29	9.74	50.00	-35.97 Average	line1
10	9.02	22.99	13.25	9.74	60.00	-37.01 QP	line1
11	15.16	14.59	4.84	9.75	50.00	-35.41 Average	line1
12	15.16	22.43	12.68	9.75	60.00	-37.57 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	dBuV	dB		
1	0.22	11.22	1.59	9.63	52.73	-41.51 Average	neutral
2	0.22	14.37	4.74	9.63	62.73	-48.36 QP	neutral
3	0.44	21.34	11.71	9.63	47.02	-25.68 Average	neutral
4	0.44	25.22	15.59	9.63	57.02	-31.80 QP	neutral
5	1.32	5.32	-4.32	9.64	46.00	-40.68 Average	neutral
6	1.32	9.45	-0.19	9.64	56.00	-46.55 QP	neutral
7	4.02	8.52	-1.17	9.69	46.00	-37.48 Average	neutral
8	4.02	18.66	8.97	9.69	56.00	-37.34 QP	neutral
9	9.12	15.24	5.48	9.76	50.00	-34.76 Average	neutral
10	9.12	22.96	13.20	9.76	60.00	-37.04 QP	neutral
11	14.28	16.87	7.05	9.82	50.00	-33.13 Average	neutral
12	14.28	23.74	13.92	9.82	60.00	-36.26 QP	neutral

<EUT with Antenna 2_Molex>
Band Edges, 2.31GHz ~ 2.5GHz

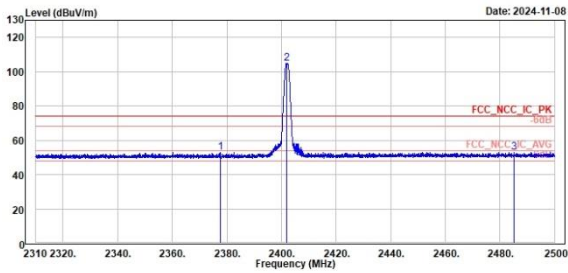
BLE_1M

Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak



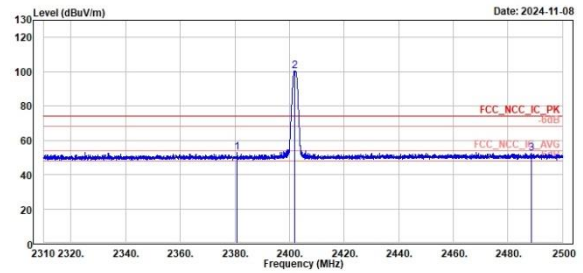
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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2377.60	52.72	46.89	5.83	74.00	-21.28	310	347	Peak	Horizontal	
2 *	2402.00	104.58	98.69	5.89	74.00	30.58	310	347	Peak	Horizontal	
3	2485.29	53.02	46.88	6.14	74.00	-20.98	310	347	Peak	Horizontal	



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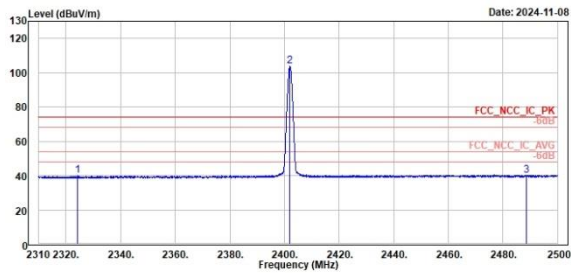
	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2380.72	52.82	47.00	5.82	74.00	-21.18	387	115	Peak	Vertical	
2 *	2402.00	100.17	94.28	5.89	74.00	26.17	387	115	Peak	Vertical	
3	2488.49	52.24	46.10	6.14	74.00	-21.76	387	115	Peak	Vertical	

BLE_1M

Low Channel (Horizontal) Average



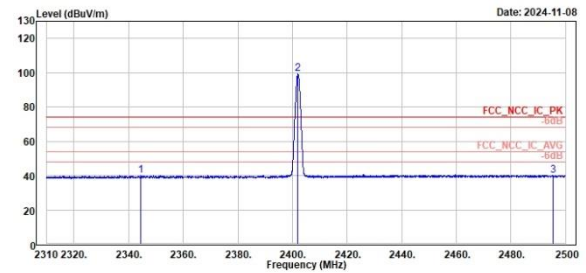
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2324.33	39.99	34.36	5.63	54.00	-14.01		310	347	Average	Horizontal	
2 *	2402.00	105.59	97.70	5.89	54.00	49.59		310	347	Average	Horizontal	
3	2488.45	40.27	34.13	6.14	54.00	-13.73		310	347	Average	Horizontal	



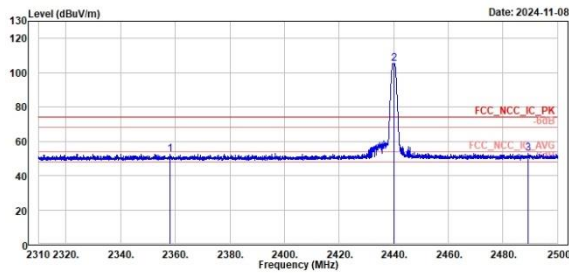
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2344.35	40.18	34.46	5.72	54.00	-13.82		387	115	Average	Vertical	
2 *	2402.00	99.18	93.29	5.89	54.00	45.18		387	115	Average	Vertical	
3	2495.29	40.28	34.14	6.14	54.00	-13.72		387	115	Average	Vertical	

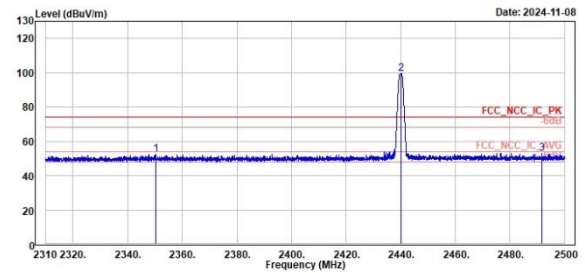
BLE_1M

Middle Channel (Horizontal) 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	2358.15	52.48	46.71	5.77	74.00	-21.52	140		18 Peak	Horizontal	
2 *	2440.00	105.45	99.38	6.07	74.00	31.45	140		18 Peak	Horizontal	
3	2489.32	52.94	46.79	6.15	74.00	-21.06	140		18 Peak	Horizontal	

Middle Channel (Vertical) Peak



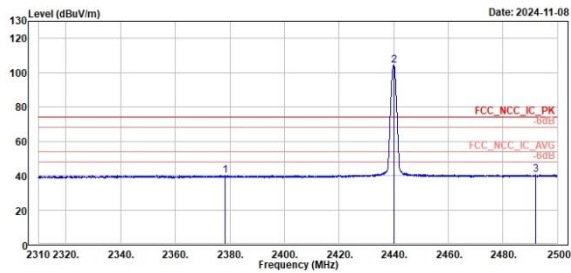
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2358.20	52.18	46.44	5.74	74.00	-21.82	337		260 Peak	Vertical	
2 *	2440.00	99.48	93.41	6.07	74.00	25.48	337		260 Peak	Vertical	
3	2491.72	52.84	46.69	6.15	74.00	-21.16	337		260 Peak	Vertical	

BLE_1M

Middle Channel (Horizontal) Average



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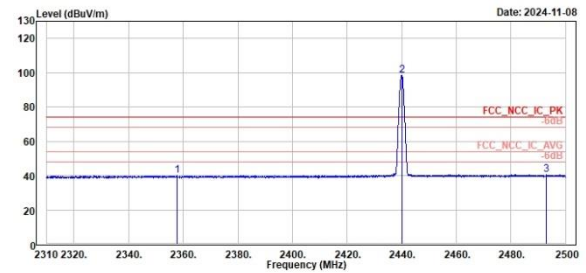


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2378.21	40.10	34.27	5.83	54.00	-13.90	140	18	Average	Horizontal		
2 *	2440.00	104.47	98.40	6.07	54.00	50.47	140	18	Average	Horizontal		
3	2491.98	40.61	34.47	6.14	54.00	-13.39	140	18	Average	Horizontal		

Middle Channel (Vertical) Average



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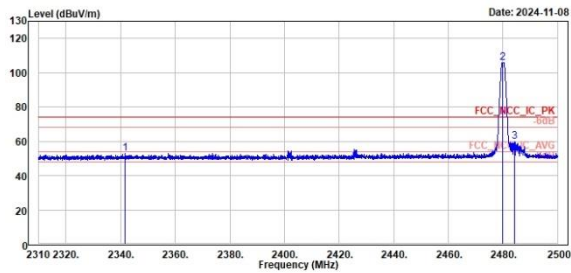
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2357.73	40.02	34.25	5.77	54.00	-13.98	337	260	Average	Vertical		
2 *	2440.00	98.50	92.43	6.07	54.00	44.50	337	260	Average	Vertical		
3	2492.93	40.56	34.42	6.14	54.00	-13.44	337	260	Average	Vertical		

BLE_1M

High Channel (Horizontal) Peak



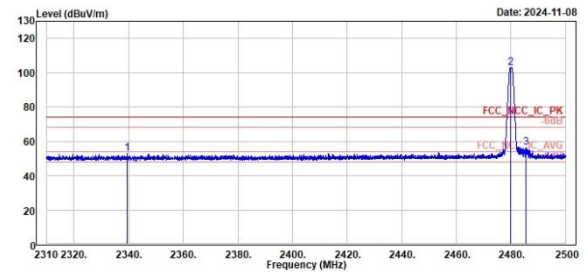
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2341.58	52.87	47.16	5.71	74.00	-21.13	362	358	Peak	Horizontal		
2 *	2480.00	105.72	99.59	6.13	74.00	31.72	362	358	Peak	Horizontal		
3	2484.23	59.64	53.50	6.14	74.00	-14.36	362	358	Peak	Horizontal		



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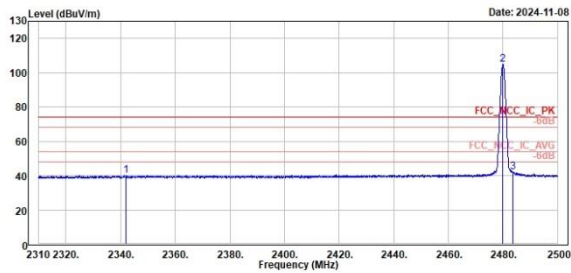
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2339.34	52.69	46.99	5.70	74.00	-21.31	400	248	Peak	Vertical		
2 *	2480.00	102.00	96.67	6.13	74.00	28.00	400	248	Peak	Vertical		
3	2485.48	56.36	50.22	6.14	74.00	-17.64	400	248	Peak	Vertical		

BLE_1M

High Channel (Horizontal) Average



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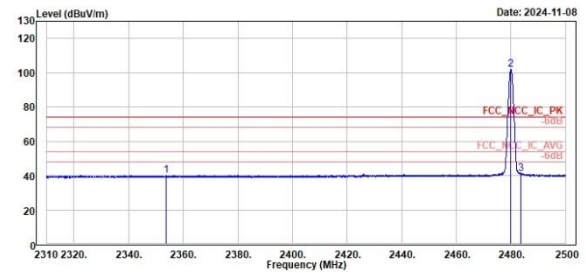


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2341.96	40.09	34.38	5.71	54.00	-13.91	362	358	Average	Horizontal		
2 *	2480.00	104.67	98.54	6.13	54.00	50.67	362	358	Average	Horizontal		
3	2483.55	41.81	35.67	6.14	54.00	-12.19	362	358	Average	Horizontal		

High Channel (Vertical) Average



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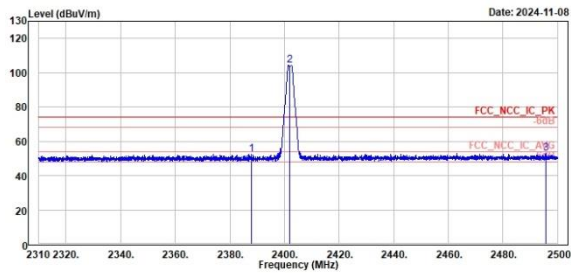
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2353.66	40.20	34.44	5.76	54.00	-13.80	400	248	Average	Vertical		
2 *	2480.00	101.00	95.67	6.13	54.00	47.60	400	248	Average	Vertical		
3	2483.74	41.20	35.06	6.14	54.00	-12.80	400	248	Average	Vertical		

BLE_2M

Low Channel (Horizontal) Peak



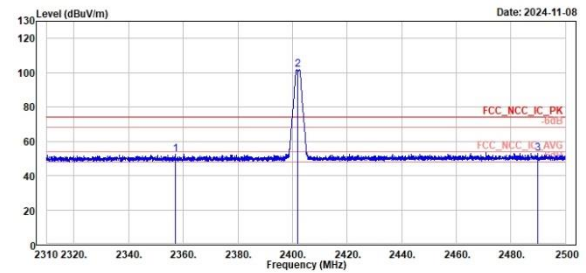
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2387.98	52.45	46.60	5.85	74.00	-21.55		387		0 Peak	Horizontal	
2 *	2402.00	104.51	98.62	5.89	74.00	30.51		387		0 Peak	Horizontal	
3	2495.82	52.69	46.55	6.14	74.00	-21.31		387		0 Peak	Horizontal	



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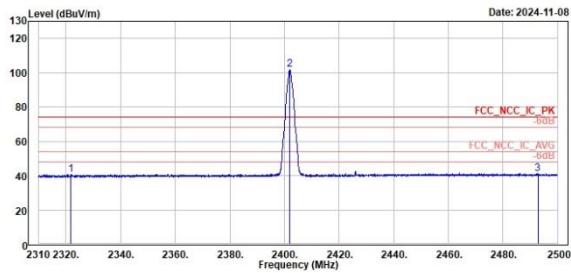
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2357.23	52.24	46.48	5.76	74.00	-21.76		382		252 Peak	Vertical	
2 *	2402.00	101.84	95.95	5.89	74.00	27.84		382		252 Peak	Vertical	
3	2489.70	53.05	46.90	6.15	74.00	-20.95		382		252 Peak	Vertical	

BLE_2M

Low Channel (Horizontal) Average



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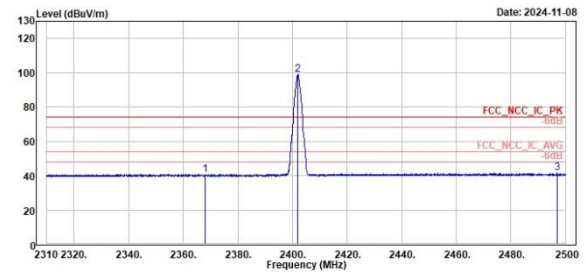


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2321.06	40.64	35.03	5.61	54.00	-13.36	307			0 Average	Horizontal	
2 *	2402.00	101.60	95.79	5.89	54.00	47.60	307			0 Average	Horizontal	
3	2492.78	41.11	34.97	6.14	54.00	-12.89	307			0 Average	Horizontal	

Low Channel (Vertical) Average



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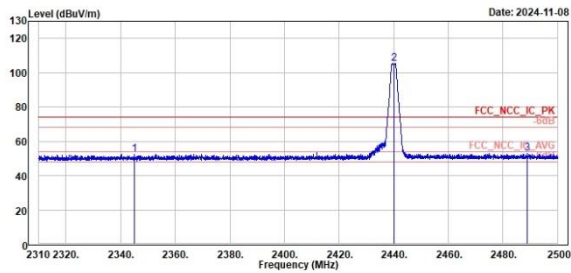
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1	2368.14	40.74	34.04	5.00	54.00	-13.26	302	252	Average	Vertical		
2 *	2402.00	98.98	93.09	5.89	54.00	44.98	302	252	Average	Vertical		
3	2496.96	41.32	35.17	6.15	54.00	-12.68	302	252	Average	Vertical		

BLE_2M

Middle Channel (Horizontal) Peak



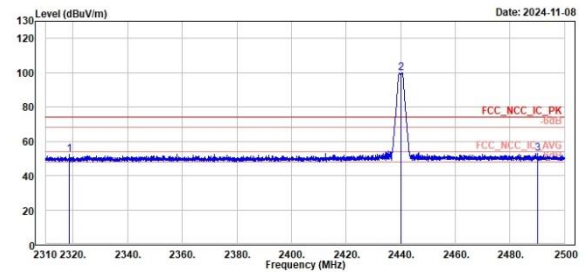
TÜV Rheinland Taiwan Ltd.
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2345.04	52.46	46.73	5.73	74.00	-21.54	296	348	Peak	Horizontal		
2 *	2440.00	105.42	99.35	6.07	74.00	31.42	296	348	Peak	Horizontal		
3	2488.79	52.86	46.71	6.15	74.00	-21.14	296	348	Peak	Horizontal		



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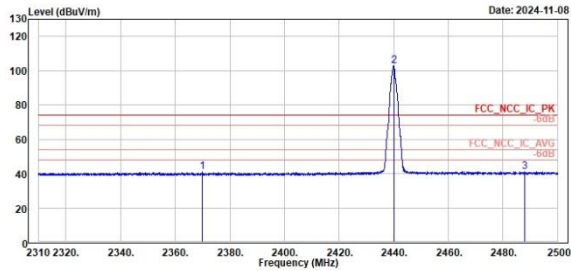
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1	2318.78	52.44	46.84	5.60	74.00	-21.56	336	261	Peak	Vertical		
2 *	2440.00	99.79	93.72	6.07	74.00	25.79	336	261	Peak	Vertical		
3	2490.16	52.82	46.67	6.15	74.00	-21.18	336	261	Peak	Vertical		

BLE_2M

Middle Channel (Horizontal) Average



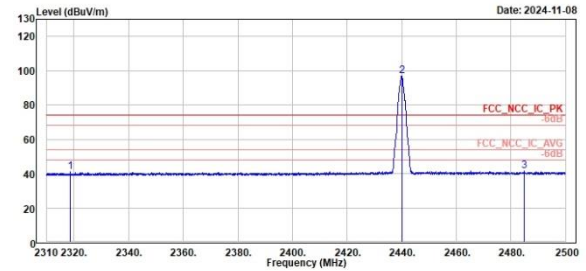
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2369.01	40.79	34.99	5.80	54.00	-13.21	296	348	Average	Horizontal		
2 *	2440.00	102.63	96.56	6.07	54.00	48.63	296	348	Average	Horizontal		
3	2487.95	41.10	34.96	6.14	54.00	-12.90	296	348	Average	Horizontal		



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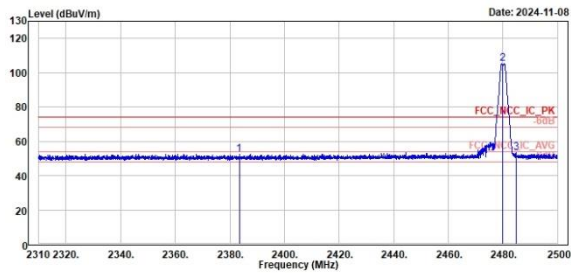
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2318.63	41.05	35.46	5.59	54.00	-12.95	336	261	Average	Vertical		
2 *	2440.00	97.04	90.97	6.07	54.00	43.04	336	261	Average	Vertical		
3	2484.91	41.75	35.61	6.14	54.00	-12.25	336	261	Average	Vertical		

BLE_2M

High Channel (Horizontal) Peak



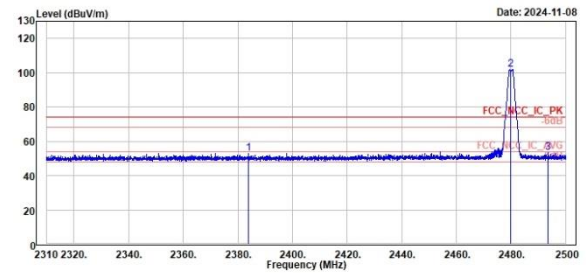
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2383.42	52.57	46.73	5.84	74.00	-21.43		331	360	Peak	Horizontal	
2 *	2480.00	105.15	99.02	6.13	74.00	31.15		331	360	Peak	Horizontal	
3	2484.88	53.30	47.16	6.14	74.00	-20.70		331	360	Peak	Horizontal	



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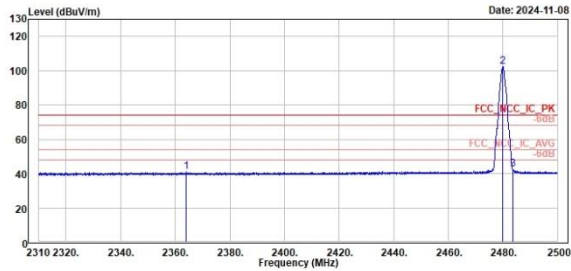
		Freq	Level	Read Level	Factor	Limit	Over Limit	APos	TPos	Remark	Pol/Phase	Note
		Hz	dBu/m	dBu	dB/m	dBu/m	dB	cm	deg			
1		2384.02	52.81	46.97	5.84	74.00	-21.19	400	114	Peak	Vertical	
2	*	2480.00	101.04	95.71	6.13	74.00	27.84	400	114	Peak	Vertical	
3	*	2493.69	53.21	47.07	6.14	74.00	-20.79	400	114	Peak	Vertical	

BLE_2M

High Channel (Horizontal) Average



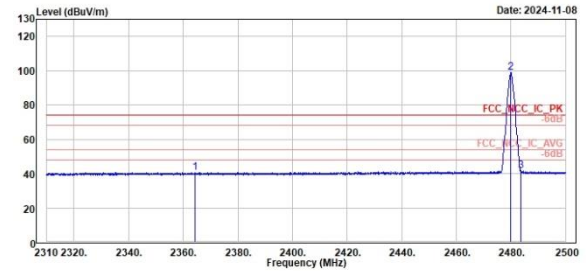
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2364.04	40.78	35.00	5.78	54.00	-13.22	331	360	Average	Horizontal		
2 *	2480.00	102.32	96.19	6.13	54.00	48.32	331	360	Average	Horizontal		
3	2483.55	42.63	36.49	6.14	54.00	-11.37	331	360	Average	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	2364.30	40.69	34.01	5.78	54.00	-13.31	400	114	Average	Vertical		
2 *	2480.00	99.03	92.90	6.13	54.00	45.03	400	114	Average	Vertical		
3	2483.66	41.65	35.51	6.14	54.00	-12.35	400	114	Average	Vertical		

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

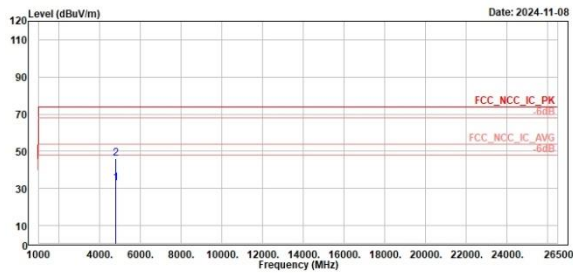
BLE_1M

Low Channel (Horizontal)

Low Channel (Vertical)



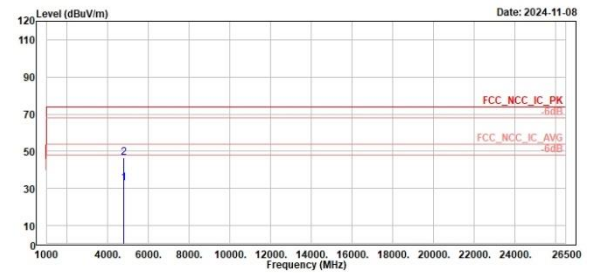
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Line	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4894.00	33.02	23.27	9.75	54.00	-20.98	100	55	Average	Horizontal		
2	4894.00	46.14	36.39	9.75	74.00	-27.86	100	55	Peak	Horizontal		



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Line	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	4894.00	32.94	23.19	9.75	54.00	-21.06	100	99	Average	Vertical		
2	4894.00	46.43	36.68	9.75	74.00	-27.57	100	99	Peak	Vertical		

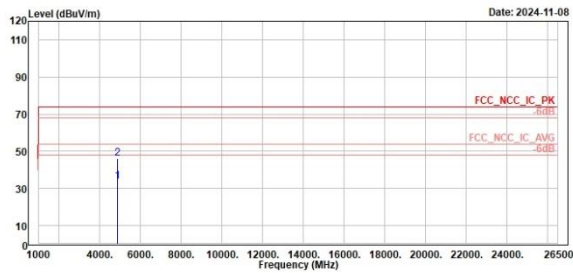
BLE_1M

Middle Channel (Horizontal)

Middle Channel (Vertical)



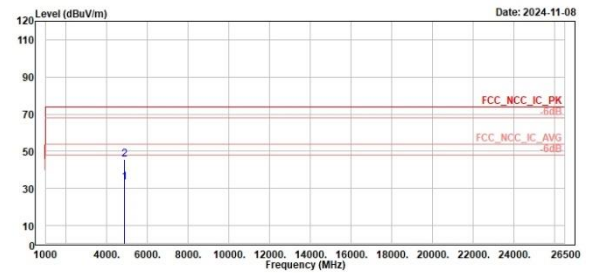
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4880.00	33.59	23.72	9.87	54.00	-20.41	100	53	Average	Horizontal		
2	4880.00	45.99	36.12	9.87	74.00	-28.01	100	53	Peak	Horizontal		



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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	33.20	23.33	9.87	54.00	-20.80	100	99	Average	Vertical		
2	4880.00	45.82	35.95	9.87	74.00	-28.18	100	99	Peak	Vertical		

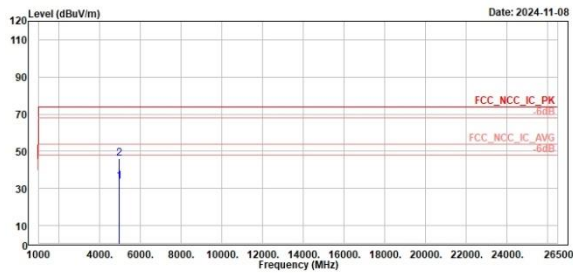
BLE_1M

High Channel (Horizontal)

High Channel (Vertical)



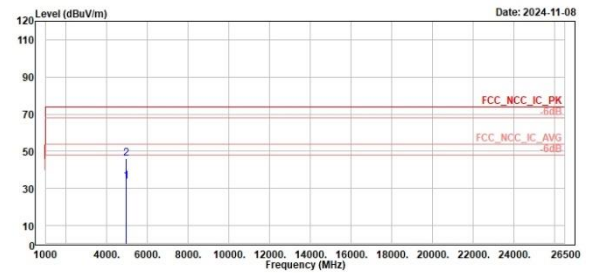
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	33.97	23.81	10.16	54.00	-20.03	100	243	Average	Horizontal		
2	4960.00	46.26	36.10	10.16	74.00	-27.74	100	243	Peak	Horizontal		



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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	4960.00	33.55	23.39	10.16	54.00	-20.45	100	95	Average	Vertical		
2	4960.00	46.14	35.98	10.16	74.00	-27.86	100	95	Peak	Vertical		

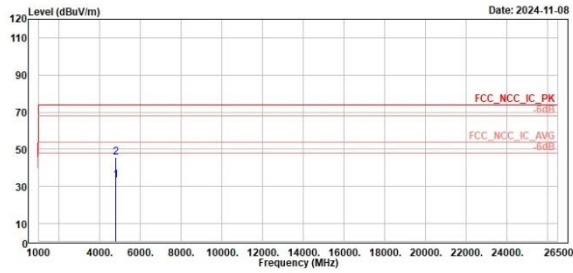
BLE_2M

Low Channel (Horizontal)

Low Channel (Vertical)



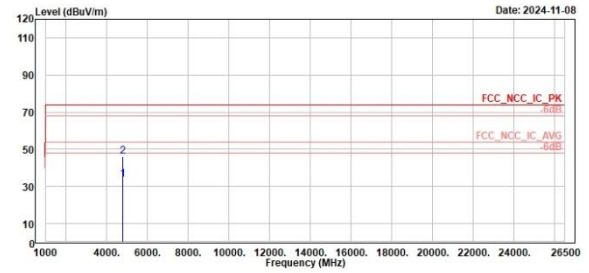
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4894.00	33.31	23.56	9.75	54.00	-20.69	100	88	Average	Horizontal		
2	4894.00	45.78	36.03	9.75	74.00	-28.22	100	88	Peak	Horizontal		



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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	4894.00	33.61	23.86	9.75	54.00	-20.39	100	56	Average	Vertical		
2	4894.00	46.16	36.41	9.75	74.00	-27.84	100	56	Peak	Vertical		

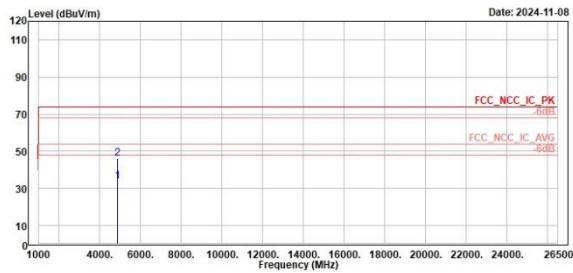
BLE_2M

Middle Channel (Horizontal)

Middle Channel (Vertical)



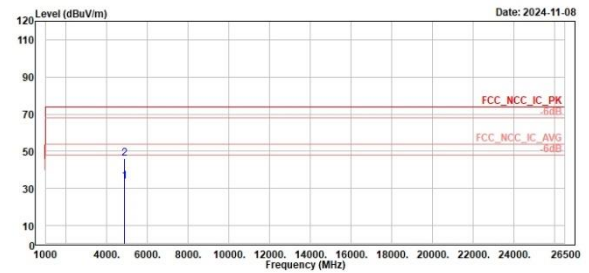
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4880.00	33.84	23.97	9.87	54.00	-20.16	100	256	Average	Horizontal	
2	4880.00	46.10	36.23	9.87	74.00	-27.90	100	256	Peak	Horizontal	



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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	4880.00	33.97	24.10	9.87	54.00	-20.83	100	215	Average	Vertical	
2	4880.00	46.05	36.18	9.87	74.00	-27.95	100	215	Peak	Vertical	

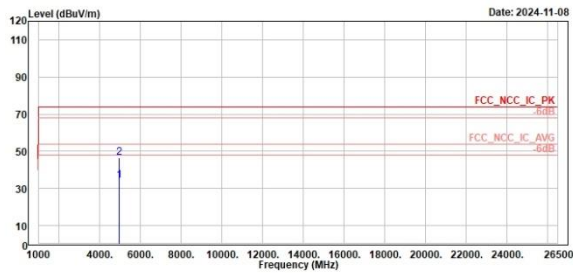
BLE_2M

High Channel (Horizontal)

High Channel (Vertical)



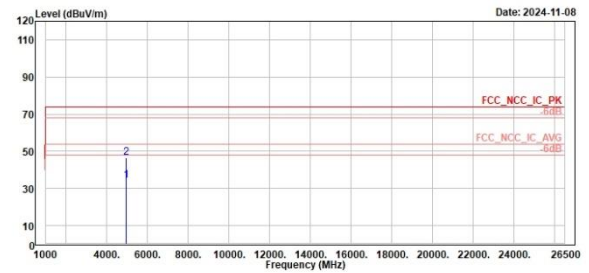
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	34.29	24.13	10.16	54.00	-19.71	100	178	Average	Horizontal		
2	4960.00	46.31	36.15	10.16	74.00	-27.69	100	178	Peak	Horizontal		



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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	4960.00	34.05	23.89	10.16	54.00	-19.95	160	360	Average	Vertical		
2	4960.00	46.42	36.26	10.16	74.00	-27.58	160	360	Peak	Vertical		

<EUT with Antenna 3_TE>
Band Edges, 2.31GHz ~ 2.5GHz

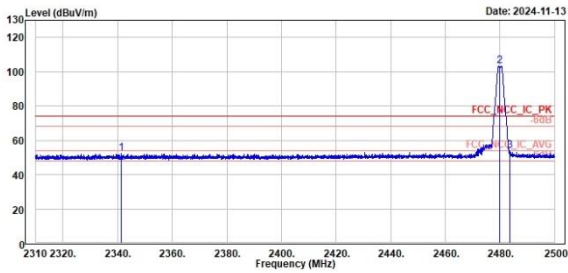
BLE_2M

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



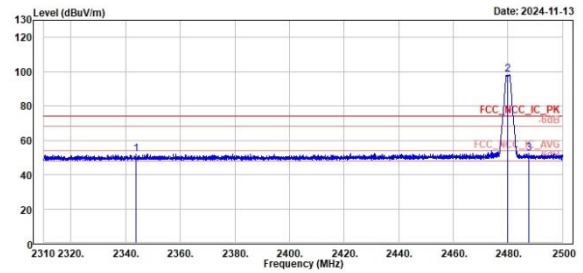
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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2341.35	52.39	46.68	5.71	74.00	-21.61	254	270	Peak	Horizontal	
2 *	2480.00	103.32	97.19	6.13	74.00	29.32	294	270	Peak	Horizontal	
3	2483.55	53.76	47.62	6.14	74.00	-20.24	254	270	Peak	Horizontal	



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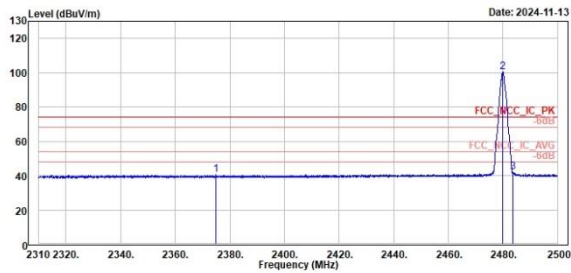
	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2343.82	52.09	46.37	5.72	74.00	-21.91	331	192	Peak	Vertical	
2 *	2480.00	98.17	92.04	6.13	74.00	24.17	331	192	Peak	Vertical	
3	2487.73	52.41	46.27	6.14	74.00	-21.59	331	192	Peak	Vertical	

BLE_2M

High Channel (Horizontal) Average



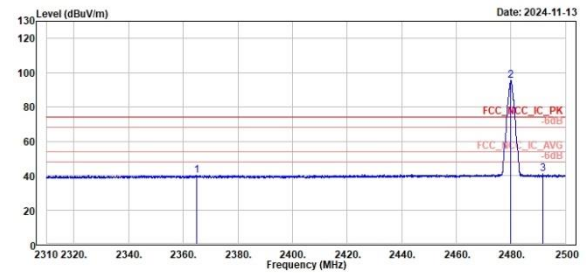
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2374.87	40.33	34.52	5.81	54.00	-13.67	254	270	Average	Horizontal		
2 *	2480.00	100.53	94.40	6.13	54.00	46.53	234	270	Average	Horizontal		
3	2483.70	42.03	35.89	6.14	54.00	-11.97	254	270	Average	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	2364.91	40.25	34.47	5.78	54.00	-13.75	331	192	Average	Vertical		
2 *	2480.00	95.32	89.19	6.13	54.00	41.32	331	192	Average	Vertical		
3	2491.79	40.81	34.66	6.15	54.00	-13.19	331	192	Average	Vertical		

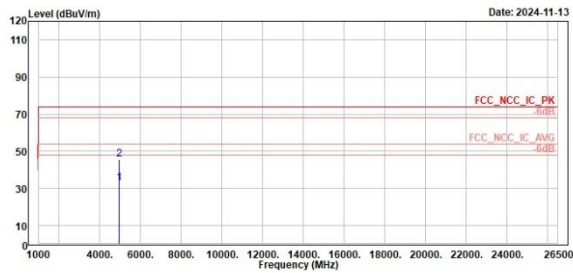
Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

BLE_2M

High Channel (Horizontal)



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