

Appendix B: Test Results of Radiated Spurious Emissions & Mains

Radiated Emission Test for Main Model No. DK-9177A

ANTX100ETHAB24553

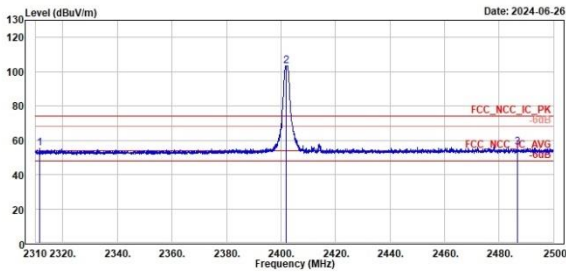
Band Edges, 2.31GHz ~ 2.5GHz

BLE_1M

Low Channel (Horizontal) Peak



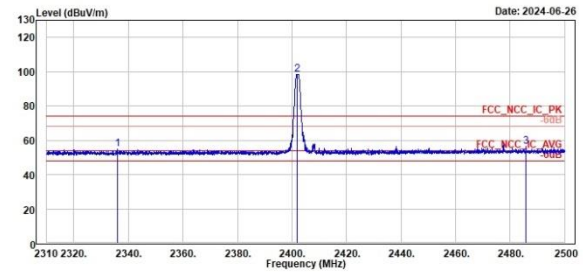
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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Level Factor	Line	Limit	cm	deg			
1	2311.43	55.46	17.73	37.73	74.00	-18.54	332	15 Peak	Horizontal	
2 *	2402.00	103.48	65.38	38.18	74.00	29.48	332	15 Peak	Horizontal	
3	2486.65	55.75	17.43	38.32	74.00	-18.25	332	15 Peak	Horizontal	



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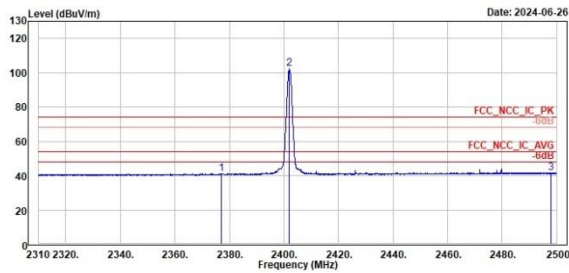
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	MHz	dBuV/m	Level Factor	Line	Limit	cm	deg			
1	2335.89	54.92	17.07	37.85	74.00	-19.08	332	118 Peak	Vertical	
2 *	2402.00	98.48	68.38	38.18	74.00	24.48	332	118 Peak	Vertical	
3	2485.80	56.18	17.86	38.32	74.00	-17.82	332	118 Peak	Vertical	

BLE_1M

Low Channel (Horizontal) Average



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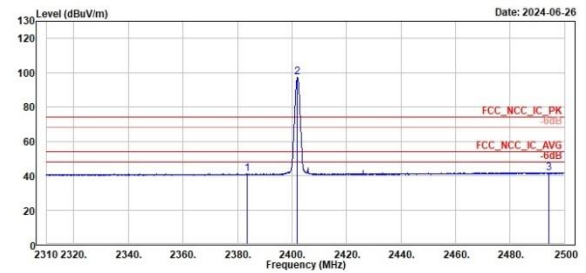


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2377.12	41.27	3.26	38.01	54.00	-12.73	332	15	Average	Horizontal	
2 *	2402.00	102.42	64.32	38.10	54.00	48.42	332	15	Average	Horizontal	
3	2497.82	41.61	3.30	38.31	54.00	-12.39	332	15	Average	Horizontal	

Low Channel (Vertical) Average



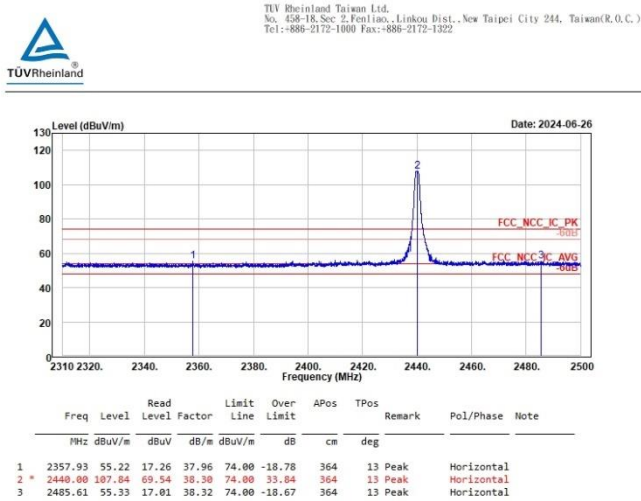
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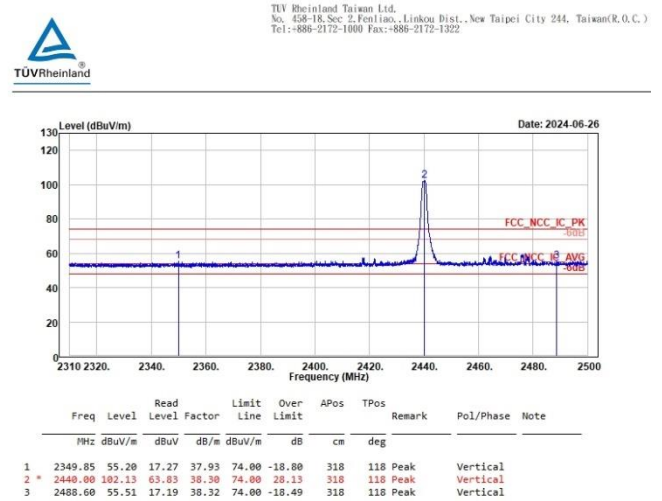
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MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2383.58	40.96	2.92	38.04	54.00	-13.04	332	118	Average	Vertical	
2 *	2402.00	97.33	59.23	38.10	54.00	43.33	332	118	Average	Vertical	
3	2494.16	41.73	3.42	38.31	54.00	-12.27	332	118	Average	Vertical	

BLE_1M

Middle Channel (Horizontal) Peak



Middle Channel (Vertical) Peak

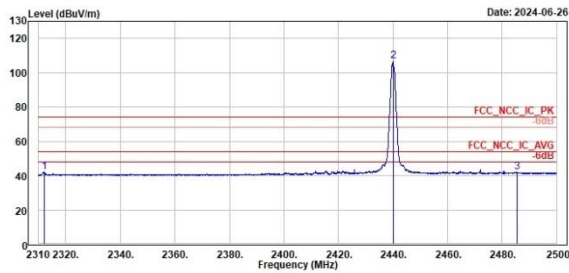


BLE_1M

Middle Channel (Horizontal) Average



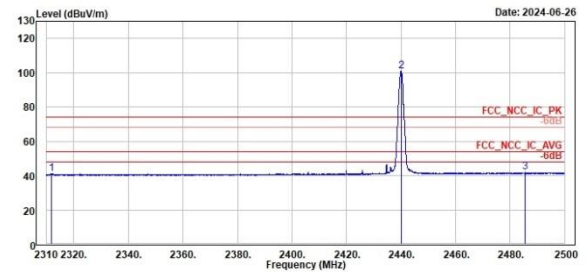
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2312.00	42.12	4.39	37.73	54.00	-11.88	364	13	Average	Horizontal		
2 *	2440.00	106.63	68.33	38.30	54.00	52.63	364	13	Average	Horizontal		
3	2485.42	41.87	3.55	38.32	54.00	-12.13	364	13	Average	Horizontal		



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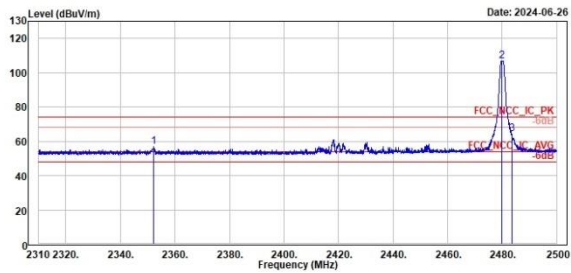
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2311.76	40.96	3.23	37.73	54.00	-13.04	318	118	Average	Vertical		
2 *	2440.00	101.00	62.70	38.30	54.00	47.00	318	118	Average	Vertical		
3	2485.47	41.87	3.55	38.32	54.00	-12.13	318	118	Average	Vertical		

BLE_1M

High Channel (Horizontal) Peak



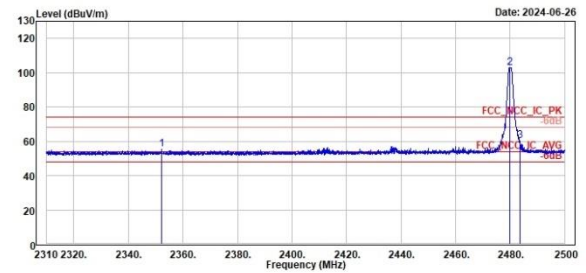
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2352.18	56.65	18.72	37.93	74.00	-17.35	350		S Peak	Horizontal	
2 *	2480.00	107.00	68.67	38.33	74.00	33.00	350		S Peak	Horizontal	
3	2483.52	64.08	25.76	38.32	74.00	-9.92	350		S Peak	Horizontal	



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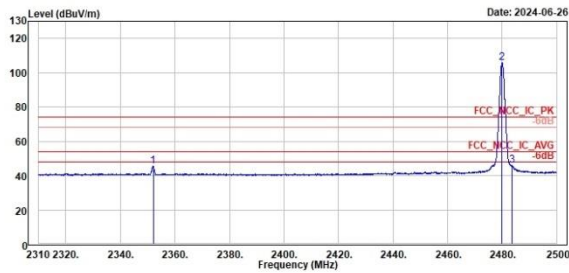
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2352.23	55.18	17.25	37.93	74.00	-18.82	315		137 Peak	Vertical	
2 *	2480.00	102.68	64.35	38.33	74.00	28.68	315		137 Peak	Vertical	
3	2483.52	60.42	22.10	38.32	74.00	-13.58	315		137 Peak	Vertical	

BLE_1M

High Channel (Horizontal) Average



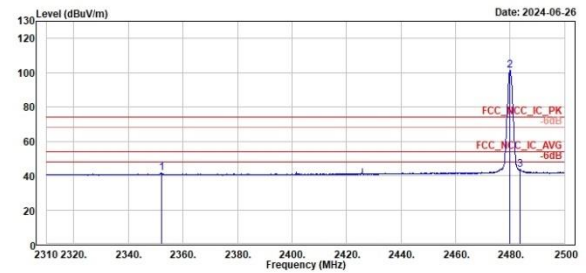
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2352.04	45.69	7.76	37.93	54.00	-8.31	350			S Average	Horizontal	
2 *	2480.00	105.00	67.55	38.33	54.00	51.00	350			S Average	Horizontal	
3	2483.57	46.03	7.71	38.32	54.00	-7.97	350			S Average	Horizontal	



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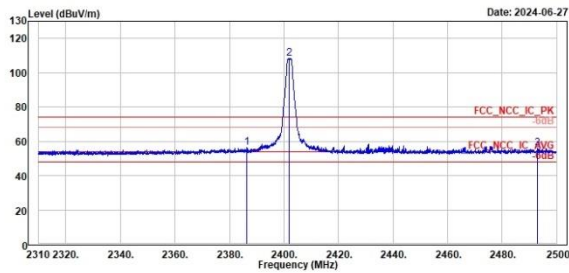
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2352.23	41.35	3.42	37.93	54.00	-12.65	315			137 Average	Vertical	
2 *	2480.00	101.42	63.09	38.33	54.00	47.42	315			137 Average	Vertical	
3	2483.52	43.57	5.25	38.32	54.00	-10.43	315			137 Average	Vertical	

BLE_2M

Low Channel (Horizontal) Peak



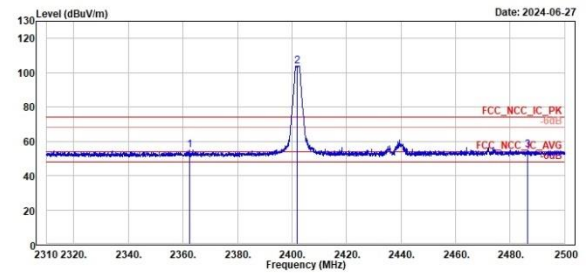
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2386.48	56.43	18.39	38.04	74.00	-17.57	337	14	Peak	Horizontal		
2 *	2402.00	108.17	79.87	38.30	74.00	34.17	337	14	Peak	Horizontal		
3	2493.07	55.67	17.36	38.31	74.00	-18.33	337	14	Peak	Horizontal		



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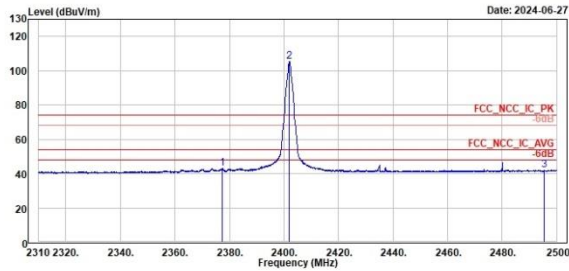
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1	2362.30	55.06	17.10	37.96	74.00	-18.94	329	113	Peak	Vertical		
2 *	2402.00	103.95	65.65	38.30	74.00	29.95	329	113	Peak	Vertical		
3	2486.42	54.95	16.63	38.32	74.00	-19.05	329	113	Peak	Vertical		

BLE_2M

Low Channel (Horizontal) Average



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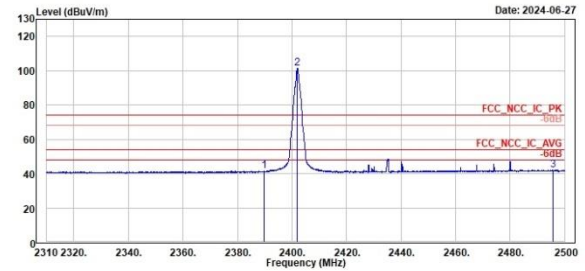


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2377.21	42.88	4.87	38.01	54.00	-11.12	337	14	Average	Horizontal		
2 *	2402.00	105.40	67.30	38.10	54.00	51.40	337	14	Average	Horizontal		
3	2495.54	42.00	3.69	38.31	54.00	-12.00	337	14	Average	Horizontal		

Low Channel (Vertical) Average



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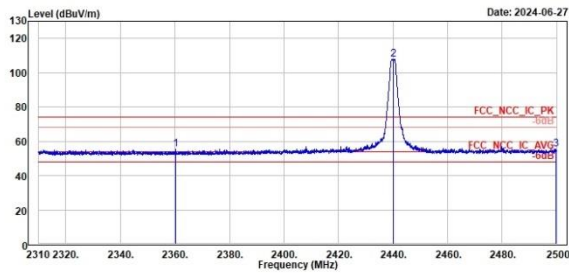
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1	2389.00	41.37	3.31	38.06	54.00	-12.63	329	113	Average	Vertical		
2 *	2402.00	101.17	63.07	38.10	54.00	47.17	329	113	Average	Vertical		
3	2495.58	41.99	3.68	38.31	54.00	-12.01	329	113	Average	Vertical		

BLE_2M

Middle Channel (Horizontal) Peak



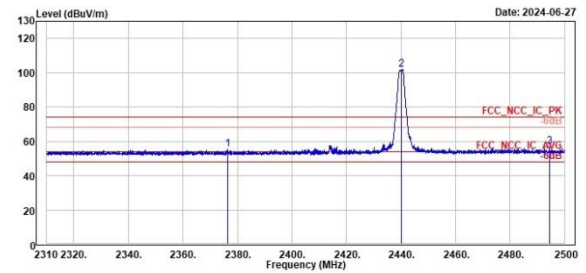
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg			
1	2369.21	55.51	17.55	37.96	74.00	-18.49	326	15	Peak	Horizontal		
2 *	2440.00	107.94	69.64	38.30	74.00	33.94	326	15	Peak	Horizontal		
3	2499.76	55.48	17.17	38.31	74.00	-18.52	326	15	Peak	Horizontal		



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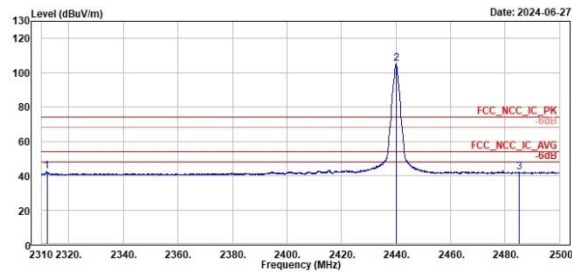
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg			
1	2376.31	55.37	17.36	38.01	74.00	-18.63	328	134	Peak	Vertical		
2 *	2440.00	101.62	63.32	38.30	74.00	27.62	328	134	Peak	Vertical		
3	2494.59	56.76	18.45	38.31	74.00	-17.24	328	134	Peak	Vertical		

BLE_2M

Middle Channel (Horizontal) Average



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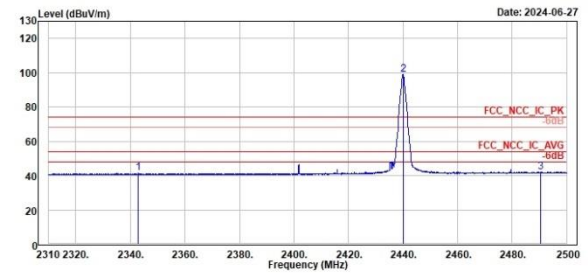


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2311.95	42.48	4.75	37.73	54.00	-11.52	326	15	Average	Horizontal		
2 *	2440.00	105.19	66.89	38.30	54.00	51.19	326	15	Average	Horizontal		
3	2485.18	41.93	3.61	38.32	54.00	-12.07	326	15	Average	Horizontal		

Middle Channel (Vertical) Average



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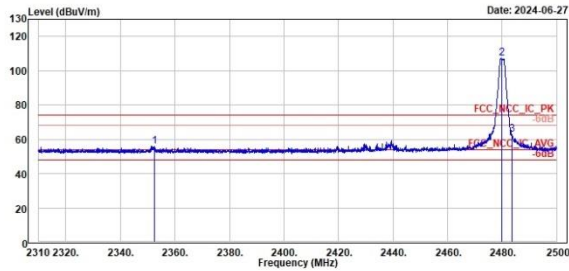
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2342.97	41.46	3.57	37.89	54.00	-12.54	328	134	Average	Vertical		
2 *	2440.00	90.85	60.55	30.30	54.00	44.85	328	134	Average	Vertical		
3	2490.41	42.10	3.78	38.32	54.00	-11.90	328	134	Average	Vertical		

BLE_2M

High Channel (Horizontal) Peak



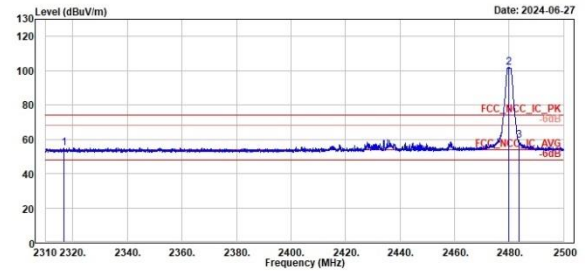
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2352.37	55.83	17.90	37.93	74.00	-18.17	316	13	Peak	Horizontal		
2 *	2480.00	107.02	68.69	38.33	74.00	33.02	316	13	Peak	Horizontal		
3	2483.50	62.70	24.38	38.32	74.00	-11.30	316	13	Peak	Horizontal		



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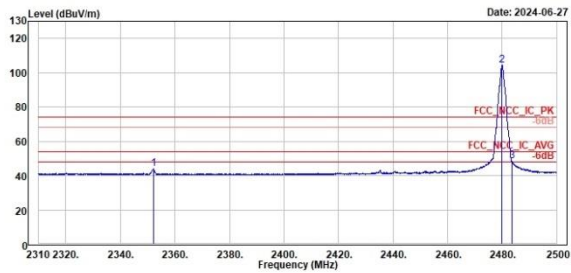
Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2316.70	54.94	17.18	37.76	74.00	-19.06	310	118	Peak	Vertical		
2 *	2480.00	101.83	63.50	38.33	74.00	27.83	310	118	Peak	Vertical		
3	2483.66	59.46	21.14	38.32	74.00	-14.54	310	118	Peak	Vertical		

BLE_2M

High Channel (Horizontal) Average



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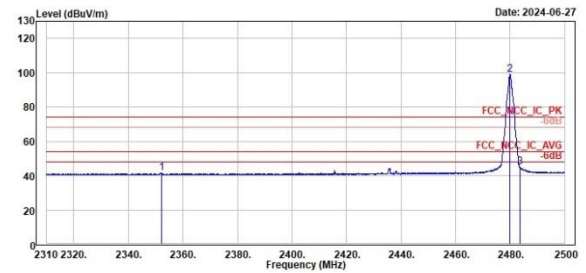


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2352.09	44.04	6.11	37.93	54.00	-9.96	316	13	Average	Horizontal		
2 *	2480.00	104.16	65.83	38.33	54.00	50.16	316	13	Average	Horizontal		
3 !	2483.57	48.56	10.24	38.32	54.00	-5.44	316	13	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	2352.23	41.62	3.69	37.93	54.00	-12.38	310	118	Average	Vertical		
2 *	2480.00	90.96	60.63	38.33	54.00	44.96	310	118	Average	Vertical		
3	2483.50	45.03	6.71	38.32	54.00	-8.97	310	118	Average	Vertical		

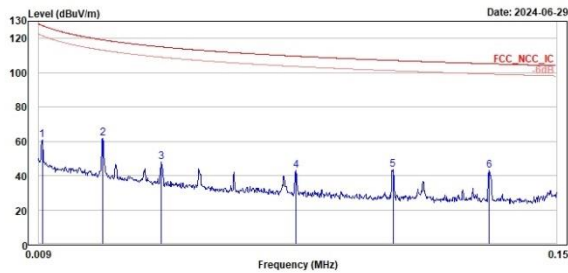
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

BLE_1M

Low Channel (Open) 9kHz~150kHz



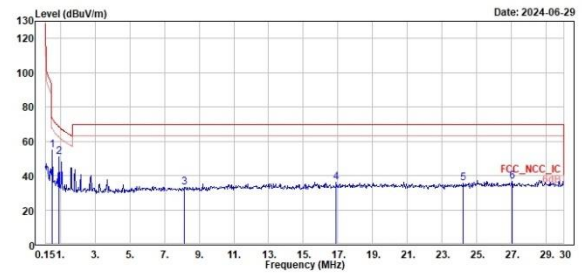
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.01	60.56	42.25	18.31	127.60	-67.04	100	230	Peak	Open	
2	0.03	61.92	42.11	19.81	119.13	-57.21	100	105	Peak	Open	
3	0.04	47.95	28.44	19.51	115.04	-67.09	100	171	Peak	Open	
4	0.08	42.79	24.25	18.54	109.63	-66.84	100	147	Peak	Open	
5	0.11	43.65	25.09	18.56	107.14	-63.49	100	149	Peak	Open	
6	0.13	42.87	24.15	18.72	105.22	-62.35	100	150	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	0.54	54.65	35.49	19.16	72.99	-18.34	100	164	Peak	Open	
2	0.93	50.83	31.68	19.15	68.27	-17.44	100	76	Peak	Open	
3	8.15	33.31	12.44	20.87	69.50	-36.19	100	127	Peak	Open	
4	16.90	36.27	13.98	22.29	69.50	-33.23	100	118	Peak	Open	
5	24.21	35.41	12.92	22.49	69.50	-34.09	100	135	Peak	Open	
6	27.02	36.72	13.70	23.02	69.50	-32.78	100	358	Peak	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

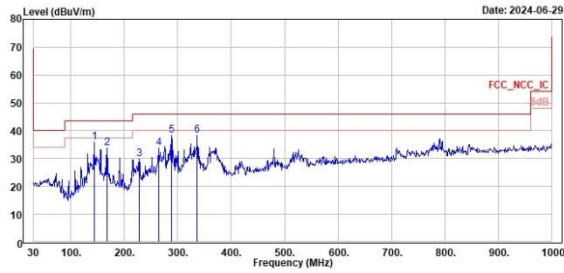
BLE_1M

Low Channel (Horizontal)

Low Channel (Vertical)



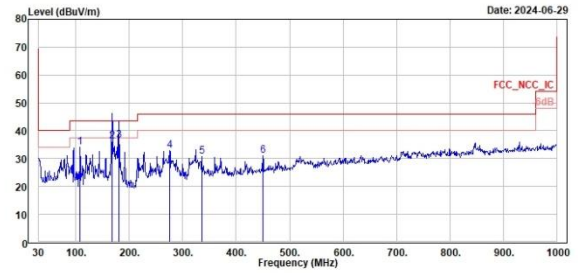
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	143.49	35.94	42.26	-6.32	43.50	-7.56	200	250	Peak	Horizontal		
2	167.74	33.76	39.40	-5.64	43.50	-9.74	200	114	Peak	Horizontal		
3	227.88	29.87	37.49	-7.62	46.00	-16.13	200	269	Peak	Horizontal		
4	263.77	33.81	40.26	-6.45	46.00	-12.19	100	274	Peak	Horizontal		
5	288.02	38.37	43.95	-5.58	46.00	-7.63	200	332	Peak	Horizontal		
6	336.52	38.28	42.67	-4.39	46.00	-7.72	100	322	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	107.60	34.01	43.08	-9.97	43.50	-9.49	100	226	Peak	Vertical		
2	167.74	36.10	41.74	-5.64	43.50	-7.40	132	0	QP	Vertical		
3	180.35	36.37	43.19	-6.82	43.50	-7.13	132	0	QP	Vertical		
4	275.41	32.74	38.78	-6.04	46.00	-13.26	200	202	Peak	Vertical		
5	335.55	30.64	35.02	-4.38	46.00	-15.36	100	208	Peak	Vertical		
6	450.01	30.99	32.96	-1.97	46.00	-15.01	100	94	Peak	Vertical		

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

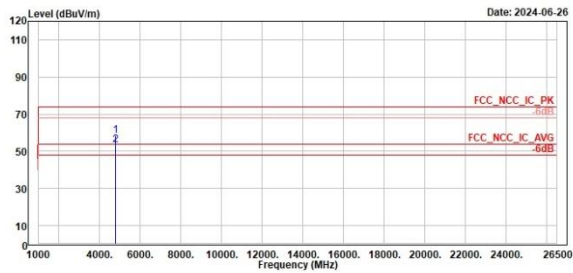
BLE_1M

Low Channel (Horizontal)

Low Channel (Vertical)



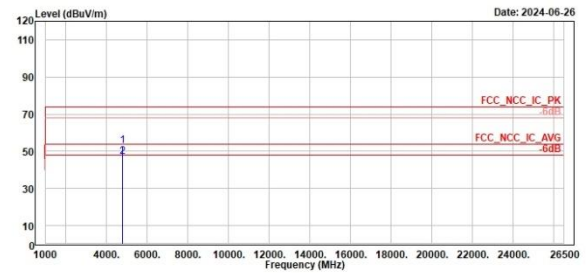
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4894.00	58.32	66.34	-8.02	74.00	-15.68	392	159	Peak	Horizontal	
2	4894.00	53.38	61.40	-8.02	54.00	-0.62	392	159	Average	Horizontal	



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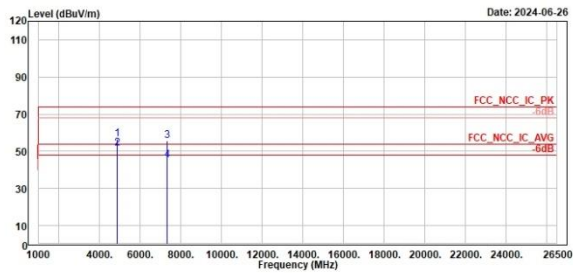
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4894.00	52.87	60.89	-8.02	74.00	-21.13	353	64	Peak	Vertical	
2	4894.00	47.15	55.17	-8.02	54.00	-6.85	353	64	Average	Vertical	

BLE_1M

Middle Channel (Horizontal)



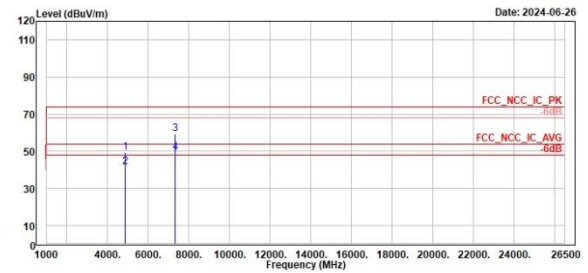
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4880.00	56.50	64.44	-7.94	74.00	-17.50	240	150	Peak	Horizontal	
2	4880.00	51.39	59.33	-7.94	54.00	-2.61	240	150	Average	Horizontal	
3	7320.00	55.86	61.24	-5.38	74.00	-18.14	100	204	Peak	Horizontal	
4	7320.00	45.27	50.65	-5.38	54.00	-8.73	100	204	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	cm	deg			
1	4880.00	49.00	57.02	-7.94	74.00	-24.92	100	15	Peak	Vertical	
2	4880.00	41.33	49.27	-7.94	54.00	-12.67	100	15	Average	Vertical	
3	7320.00	59.28	64.66	-5.38	74.00	-14.72	100	329	Peak	Vertical	
4	7320.00	49.23	54.61	-5.38	54.00	-4.77	100	329	Average	Vertical	

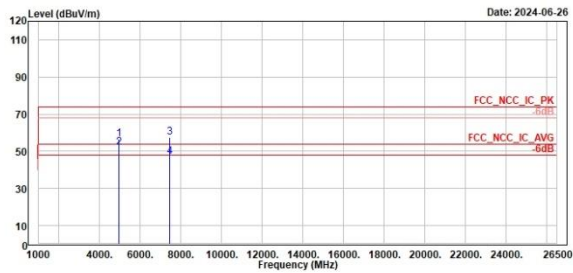
BLE_1M

High Channel (Horizontal)

High Channel (Vertical)



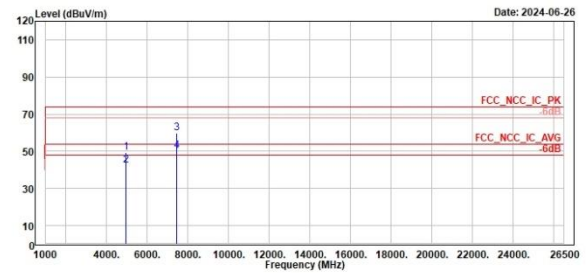
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	56.76	64.57	-7.81	74.00	-17.24	285	163	Peak	Horizontal		
2	4960.00	51.97	59.78	-7.81	54.00	-2.03	285	163	Average	Horizontal		
3	7440.00	57.30	62.71	-5.41	74.00	-16.70	286	229	Peak	Horizontal		
4	7440.00	46.99	52.40	-5.41	54.00	-7.01	286	229	Average	Horizontal		



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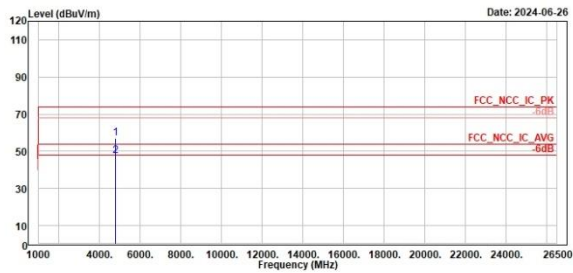
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	49.31	57.12	-7.81	74.00	-24.69	180	358	Peak	Vertical		
2	4960.00	42.49	50.30	-7.81	54.00	-11.51	180	358	Average	Vertical		
3	7440.00	59.84	65.25	-5.41	74.00	-14.16	180	342	Peak	Vertical		
4	7440.00	50.25	55.66	-5.41	54.00	-3.75	180	342	Average	Vertical		

BLE_2M

Low Channel (Horizontal)



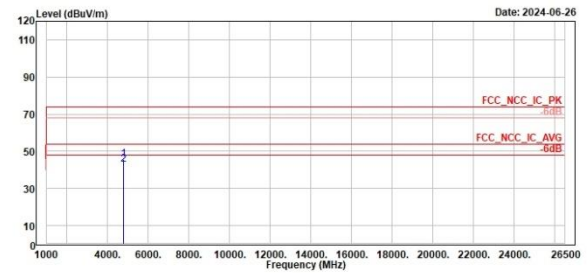
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4894.00	57.08	65.10	-8.02	74.00	-16.92	284	151	Peak	Horizontal		
2	4894.00	47.41	55.43	-8.02	54.00	-6.59	284	151	Average	Horizontal		



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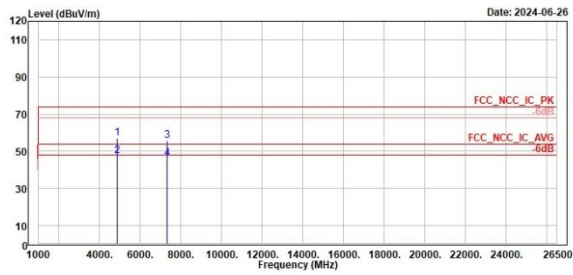
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4894.00	45.55	53.57	-8.02	74.00	-28.45	266	78	Peak	Vertical		
2	4894.00	43.00	51.02	-8.02	54.00	-11.00	266	78	Average	Vertical		

BLE_2M

Middle Channel (Horizontal)



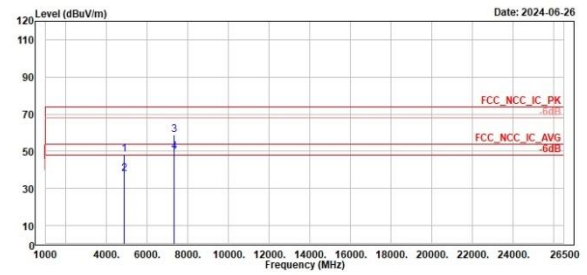
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4880.00	56.98	64.92	-7.94	74.00	-17.02	246	155	Peak	Horizontal		
2	4880.00	47.42	55.36	-7.94	54.00	-6.58	246	155	Average	Horizontal		
3	7320.00	55.89	61.27	-5.38	74.00	-18.11	100	213	Peak	Horizontal		
4	7320.00	46.14	51.52	-5.38	54.00	-7.86	100	213	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	cm	deg			
1	4880.00	48.54	56.48	-7.94	74.00	-25.46	100	11	Peak	Vertical		
2	4880.00	38.01	45.95	-7.94	54.00	-15.99	100	11	Average	Vertical		
3	7320.00	58.97	64.35	-5.38	74.00	-15.03	100	330	Peak	Vertical		
4	7320.00	49.52	54.90	-5.38	54.00	-4.48	100	330	Average	Vertical		

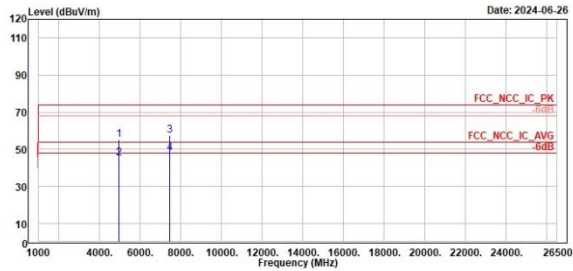
BLE_2M

High Channel (Horizontal)

High Channel (Vertical)



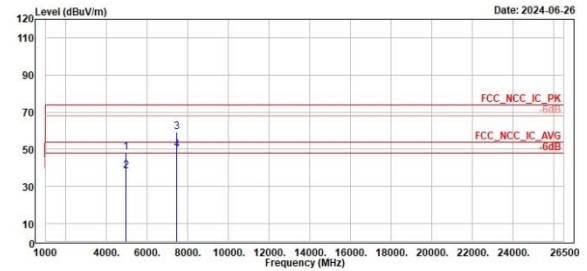
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4960.00	55.18	62.99	-7.81	74.00	-18.82	104	152	Peak	Horizontal		
2	4960.00	45.35	53.16	-7.81	54.00	-8.65	104	152	Average	Horizontal		
3	7440.00	57.53	62.94	-5.41	74.00	-16.47	100	209	Peak	Horizontal		
4	7440.00	48.07	53.48	-5.41	54.00	-5.93	100	209	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	cm	deg			
1	4960.00	48.58	56.39	-7.81	74.00	-25.42	100	360	Peak	Vertical		
2	4960.00	38.22	46.03	-7.81	54.00	-15.78	100	360	Average	Vertical		
3	7440.00	59.31	64.72	-5.41	74.00	-14.69	100	360	Peak	Vertical		
4	7440.00	49.67	55.08	-5.41	54.00	-4.33	100	360	Average	Vertical		

Mains Conducted Emission, Tx Mode, 150kHz ~ 30MHz

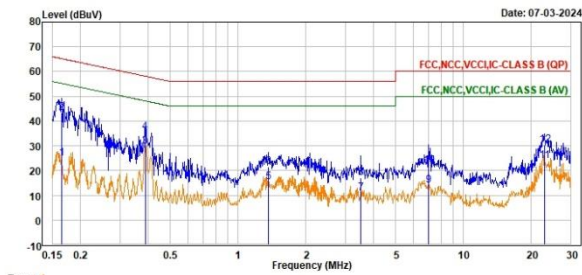
Worst Band

(Line)

(Neutral)



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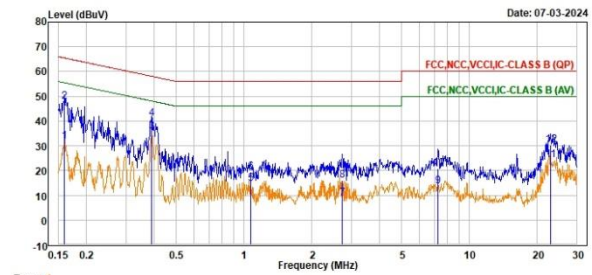


Trace: 1

	Freq	Level	Read	Limit	Over		
	MHz	dBuV	Level Factor	Line	Limit	Remark	Pol/Phase Note
	MHz	dBuV	dB	dBuV	dB		
1	0.16	25.02	15.39	9.63	55.25	-30.23 Average	line1
2	0.16	43.28	33.65	9.63	65.25	-21.97 QP	line1
3	0.39	29.70	20.07	9.63	48.13	-18.43 Average	line1
4	0.39	35.42	25.79	9.63	58.13	-22.71 QP	line1
5	1.36	15.38	5.74	9.64	46.00	-30.62 Average	line1
6	1.36	21.57	11.93	9.64	56.00	-34.43 QP	line1
7	3.52	10.72	1.04	9.68	46.00	-35.28 Average	line1
8	3.52	17.17	7.49	9.68	56.00	-38.83 QP	line1
9	7.00	14.09	4.37	9.72	50.00	-35.91 Average	line1
10	7.00	21.71	11.99	9.72	60.00	-38.29 QP	line1
11	22.92	23.88	14.13	9.75	50.00	-26.12 Average	line1
12	22.92	30.24	20.49	9.75	60.00	-29.76 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	0.16	31.69	22.06	9.63	55.50	-23.81 Average	neutral
2	0.16	47.83	38.20	9.63	65.50	-17.67 QP	neutral
3	0.39	35.88	26.25	9.63	48.09	-12.21 Average	neutral
4	0.39	40.83	31.20	9.63	58.09	-17.26 QP	neutral
5	1.07	14.75	5.11	9.64	46.00	-31.25 Average	neutral
6	1.07	19.27	9.63	9.64	56.00	-36.73 QP	neutral
7	2.73	8.82	-0.85	9.67	46.00	-37.18 Average	neutral
8	2.73	16.07	6.40	9.67	56.00	-39.93 QP	neutral
9	7.28	13.63	3.88	9.75	50.00	-36.37 Average	neutral
10	7.28	20.73	10.98	9.75	60.00	-39.27 QP	neutral
11	22.92	24.11	14.25	9.86	50.00	-25.89 Average	neutral
12	22.92	30.38	20.52	9.86	60.00	-29.62 QP	neutral

ANTX100P011B24003
Band Edges, 2.31GHz ~ 2.5GHz

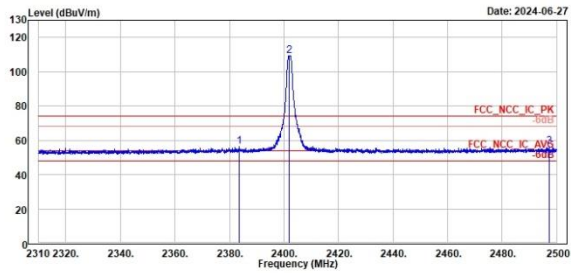
BLE_1M

Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak



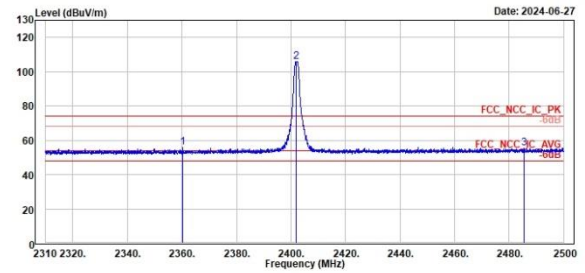
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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2383.63	56.26	18.22	38.04	74.00	-17.74	343	103 Peak	Horizontal	
2 *	2402.00	109.22	71.12	38.10	74.00	35.22	343	103 Peak	Horizontal	
3	2497.39	56.13	17.81	38.32	74.00	-17.87	343	103 Peak	Horizontal	



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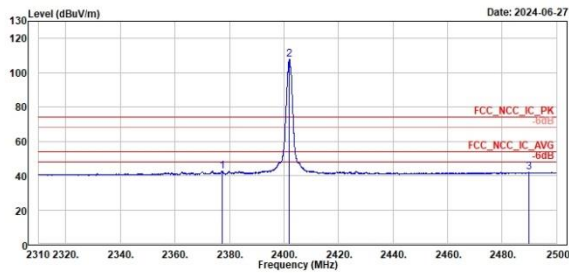
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2369.16	55.79	17.74	37.96	74.00	-18.30	352	356 Peak	Vertical	
2 *	2402.00	105.74	67.64	38.10	74.00	33.74	352	356 Peak	Vertical	
3	2485.37	55.42	17.10	38.32	74.00	-18.58	352	356 Peak	Vertical	

BLE_1M

Low Channel (Horizontal) Average



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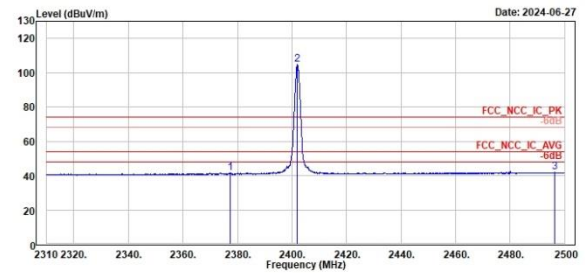


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2377.50	42.69	4.68	38.01	54.00	-11.31	343	103	Average	Horizontal		
2 *	2402.00	107.93	69.83	38.10	54.00	53.93	343	103	Average	Horizontal		
3	2489.93	41.82	3.50	38.32	54.00	-12.18	343	103	Average	Horizontal		

Low Channel (Vertical) Average



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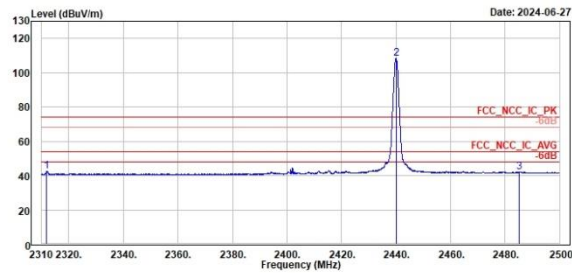
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2377.31	41.61	3.60	38.01	54.00	-12.39	352	356	Average	Vertical		
2 *	2402.00	104.67	66.57	38.10	54.00	50.67	352	356	Average	Vertical		
3	2496.34	41.79	3.47	38.32	54.00	-12.21	352	356	Average	Vertical		

BLE_1M

Middle Channel (Horizontal) Average



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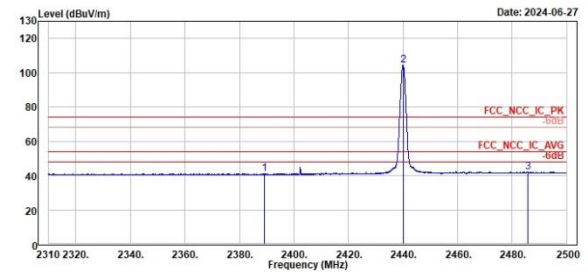


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2311.85	42.52	4.79	37.73	54.00	-11.48	331	106	Average	Horizontal		
2 *	2440.00	108.27	69.97	38.30	54.00	54.27	331	106	Average	Horizontal		
3	2485.23	42.21	3.89	38.32	54.00	-11.79	331	106	Average	Horizontal		

Middle Channel (Vertical) Average



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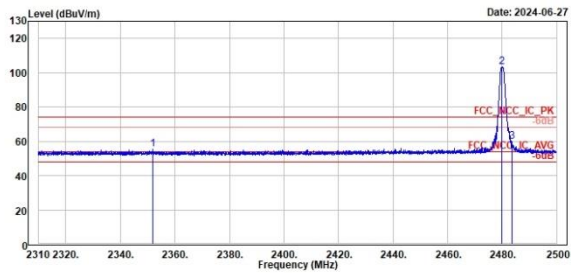
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.04	41.08	3.02	38.06	54.00	-12.92	377	348	Average	Vertical		
2 *	2440.00	104.38	66.86	38.30	54.00	50.38	377	348	Average	Vertical		
3	2485.70	42.23	3.91	38.32	54.00	-11.77	377	348	Average	Vertical		

BLE_1M

High Channel (Horizontal) Peak



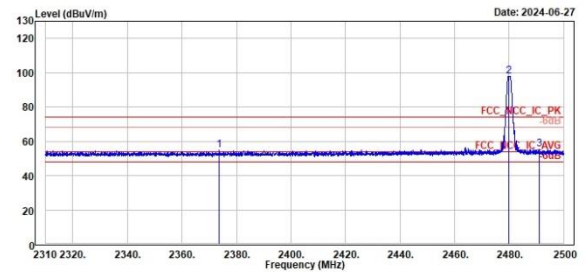
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2351.94	55.19	17.26	37.93	74.00	-18.81	287	110	Peak	Horizontal	
2 *	2480.00	103.07	64.74	38.33	74.00	29.07	287	110	Peak	Horizontal	
3	2483.61	59.75	21.43	38.32	74.00	-14.25	287	110	Peak	Horizontal	



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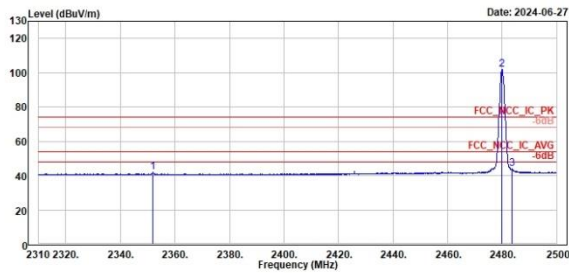
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2373.70	54.63	16.62	38.01	74.00	-19.37	322	156	Peak	Vertical	
2 *	2480.00	97.79	59.46	38.33	74.00	23.79	322	156	Peak	Vertical	
3	2491.12	55.31	16.99	38.32	74.00	-18.69	322	156	Peak	Vertical	

BLE_1M

High Channel (Horizontal) Average



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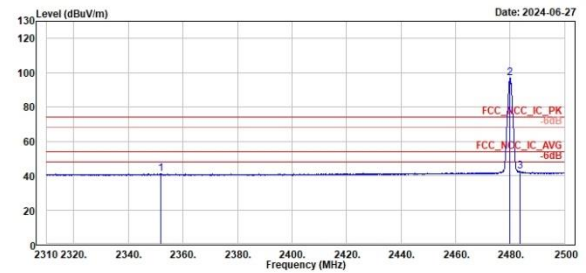


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2351.99	41.88	3.95	37.93	54.00	-12.12	287	110	Average	Horizontal		
2 *	2480.00	101.86	63.53	38.33	54.00	47.86	287	110	Average	Horizontal		
3	2483.50	43.84	5.52	38.32	54.00	-10.16	287	110	Average	Horizontal		

High Channel (Vertical) Average



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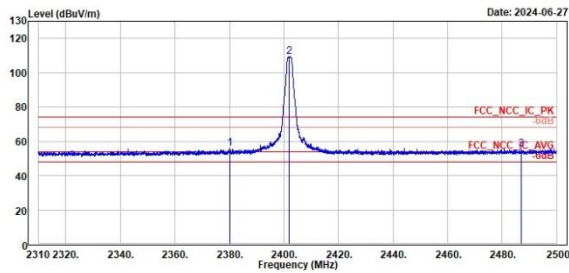
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2351.99	41.10	3.17	37.93	54.00	-12.90	322	156	Average	Vertical		
2 *	2480.00	96.68	58.35	38.33	54.00	42.68	322	156	Average	Vertical		
3	2483.61	42.57	4.25	38.32	54.00	-11.43	322	156	Average	Vertical		

BLE_2M

Low Channel (Horizontal) Peak



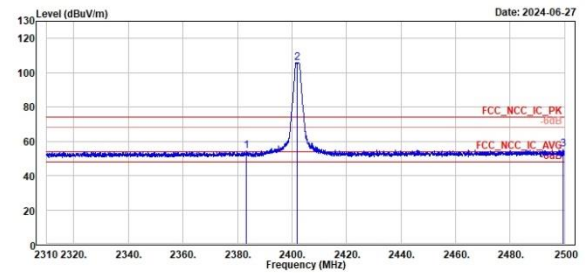
TÜV Rheinland Taiwan Ltd.
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2380.21	55.79	17.76	38.03	74.00	-18.21	344	103	Peak	Horizontal	
2 *	2402.00	109.25	71.15	38.10	74.00	35.25	344	103	Peak	Horizontal	
3	2486.94	55.51	17.19	38.32	74.00	-18.49	344	103	Peak	Horizontal	



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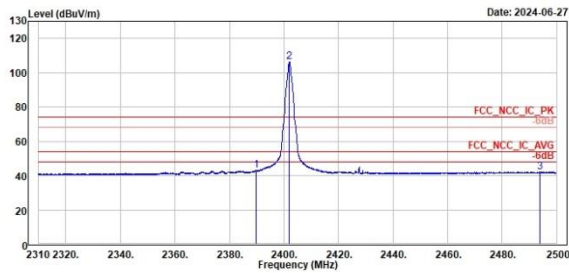
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2383.25	54.39	16.35	38.04	74.00	-19.61	353	355	Peak	Vertical	
2 *	2402.00	109.83	67.73	38.10	74.00	31.83	353	355	Peak	Vertical	
3	2499.53	55.29	16.98	38.31	74.00	-18.71	353	355	Peak	Vertical	

BLE_2M

Low Channel (Horizontal) Average



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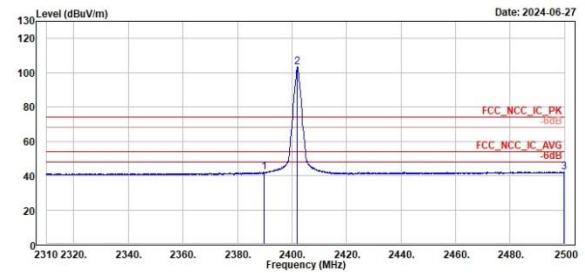


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.66	42.91	4.85	38.06	54.00	-11.09	344	103	Average	Horizontal		
2 *	2402.00	106.51	68.41	38.10	54.00	52.51	344	103	Average	Horizontal		
3	2493.92	42.03	3.72	38.31	54.00	-11.97	344	103	Average	Horizontal		

Low Channel (Vertical) Average



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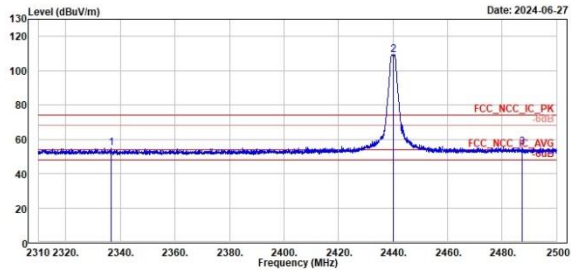
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.66	42.10	4.04	38.06	54.00	-11.90	353	355	Average	Vertical		
2 *	2402.00	103.11	65.01	38.10	54.00	49.11	353	355	Average	Vertical		
3	2499.72	42.20	3.89	38.31	54.00	-11.80	353	355	Average	Vertical		

BLE_2M

Middle Channel (Horizontal) Peak



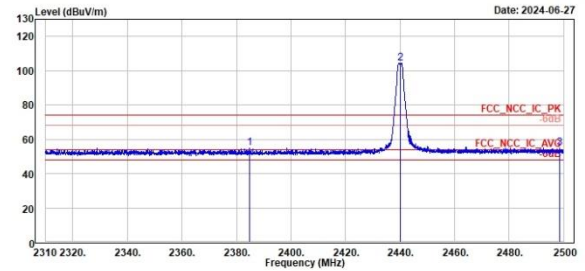
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2336.55	54.68	16.82	37.86	74.00	-19.32	331	106	Peak	Horizontal		
2 *	2440.00	109.38	71.08	38.30	74.00	35.38	331	106	Peak	Horizontal		
3	2487.37	55.37	17.05	38.32	74.00	-18.63	331	106	Peak	Horizontal		



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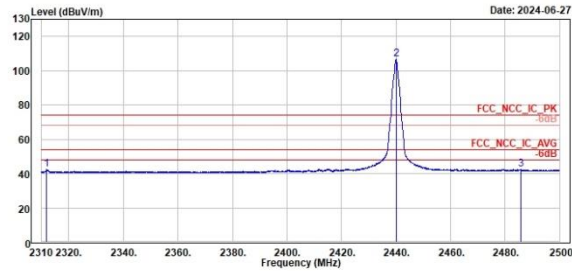
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2384.72	54.97	16.93	38.04	74.00	-19.03	377	342	Peak	Vertical		
2 *	2440.00	104.52	66.22	38.30	74.00	30.52	377	342	Peak	Vertical		
3	2498.62	54.95	16.64	38.31	74.00	-19.05	377	342	Peak	Vertical		

BLE_2M

Middle Channel (Horizontal) Average



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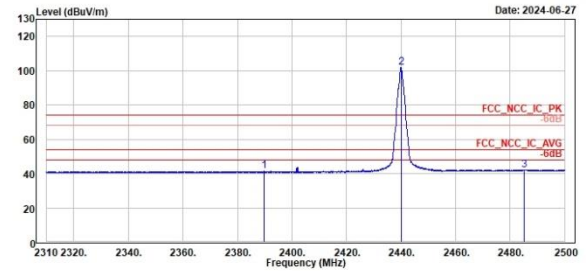


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2311.85	42.33	4.60	37.73	54.00	-11.67	331	106	Average	Horizontal		
2 *	2440.00	106.63	68.33	38.30	54.00	52.63	331	106	Average	Horizontal		
3	2485.89	42.40	4.08	38.32	54.00	-11.60	331	106	Average	Horizontal		

Middle Channel (Vertical) Average



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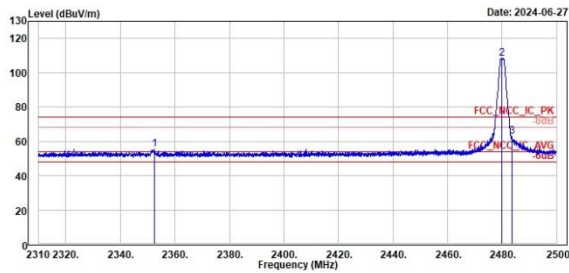
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.00	41.40	3.34	38.06	54.00	-12.60	377	342	Average	Vertical		
2 *	2440.00	101.72	63.42	38.30	54.00	47.72	377	342	Average	Vertical		
3	2485.09	42.19	3.87	38.32	54.00	-11.81	377	342	Average	Vertical		

BLE_2M

High Channel (Horizontal) Peak



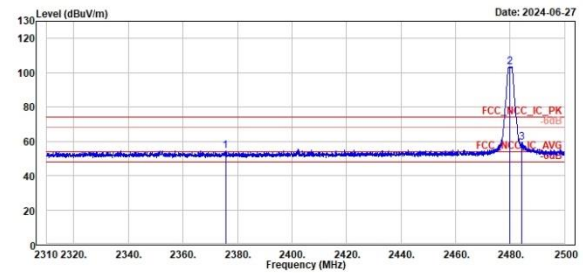
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2352.47	55.21	17.28	37.93	74.00	-18.79	357	104	Peak	Horizontal		
2 *	2480.00	108.11	69.78	38.33	74.00	34.11	337	104	Peak	Horizontal		
3	2483.50	62.85	24.53	38.32	74.00	-11.15	357	104	Peak	Horizontal		



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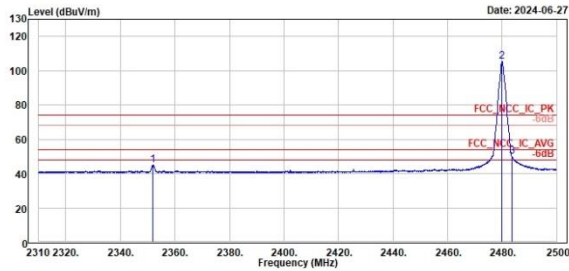
Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2375.65	54.56	16.55	38.01	74.00	-19.44	322	155	Peak	Vertical		
2 *	2480.00	103.30	64.97	38.33	74.00	29.30	322	155	Peak	Vertical		
3	2484.37	59.34	21.02	38.32	74.00	-14.66	322	155	Peak	Vertical		

BLE_2M

High Channel (Horizontal) Average



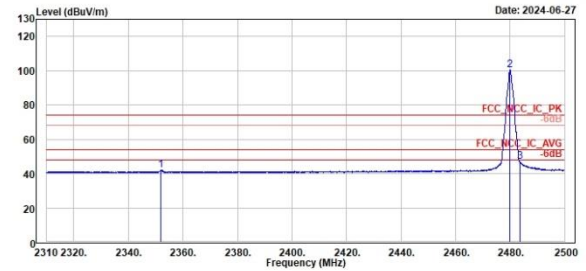
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg			
1	2351.90	44.94	7.01	37.93	54.00	-9.06	357	104	Average	Horizontal		
2 *	2480.00	105.36	67.03	38.33	54.00	51.36	357	104	Average	Horizontal		
3 †	2483.50	50.13	11.81	38.32	54.00	-3.87	357	104	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	2351.94	42.09	4.16	37.93	54.00	-11.91	322	155	Average	Vertical		
2 *	2480.00	100.48	62.15	38.33	54.00	46.48	322	155	Average	Vertical		
3	2483.52	47.16	8.84	38.32	54.00	-6.84	322	155	Average	Vertical		

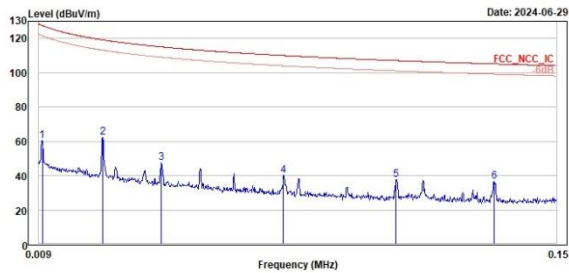
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

BLE_1M

High Channel (Open) 9kHz~150kHz



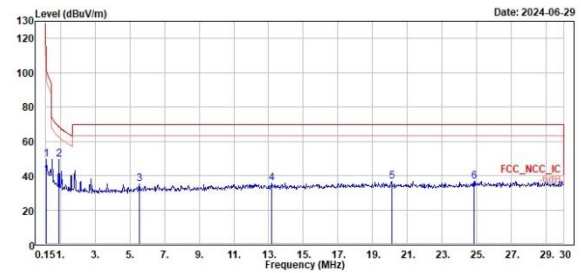
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.01	60.41	42.10	18.31	127.60	-67.19	100	311	Peak	Open	
2	0.03	62.06	42.25	19.81	119.13	-57.07	100	158	Peak	Open	
3	0.04	47.66	28.15	19.51	115.04	-67.38	100	0	Peak	Open	
4	0.08	40.15	21.54	18.61	110.01	-69.86	100	360	Peak	Open	
5	0.11	37.71	19.14	18.57	107.07	-69.36	100	86	Peak	Open	
6	0.13	36.38	17.65	18.73	105.12	-68.74	100	79	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	0.21	49.47	30.34	19.13	101.17	-51.70	100	166	Peak	Open	
2	0.93	49.29	30.14	19.15	68.27	-18.98	100	177	Peak	Open	
3	5.55	34.94	14.54	20.40	69.50	-34.56	100	177	Peak	Open	
4	13.19	35.57	14.03	21.54	69.50	-33.93	100	163	Peak	Open	
5	20.09	36.52	13.88	22.64	69.50	-32.98	100	179	Peak	Open	
6	24.84	36.50	13.45	23.05	69.50	-33.00	100	26	Peak	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

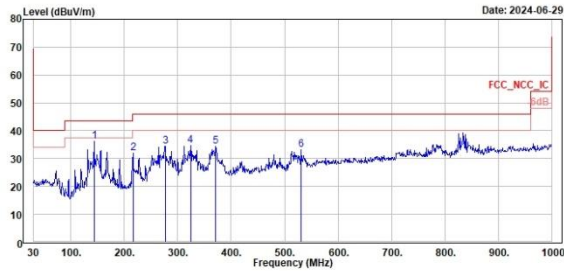
BLE_1M

High Channel (Horizontal)

High Channel (Vertical)



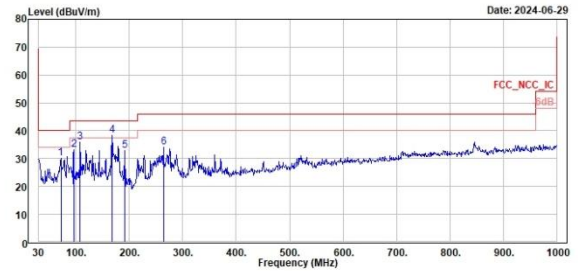
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	143.49	36.12	42.44	-6.32	43.50	-7.38	200	271	Peak	Horizontal		
2	216.24	31.98	40.35	-8.37	46.00	-14.02	167	8	Peak	Horizontal		
3	276.38	34.37	40.38	-6.01	46.00	-11.63	100	91	Peak	Horizontal		
4	323.91	34.78	39.57	-4.79	46.00	-11.22	100	168	Peak	Horizontal		
5	371.44	34.43	38.20	-3.77	46.00	-11.57	100	84	Peak	Horizontal		
6	531.49	33.88	33.69	-0.61	46.00	-12.92	100	238	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	71.71	30.09	39.15	-9.06	40.00	-9.91	100	208	Peak	Vertical		
2	95.96	33.30	44.93	-11.63	43.50	-10.20	100	111	Peak	Vertical		
3	107.60	35.97	45.94	-9.97	43.50	-7.53	100	233	Peak	Vertical		
4	167.74	38.36	44.00	-5.64	43.50	-5.14	100	175	Peak	Vertical		
5	191.99	32.92	40.93	-8.01	43.50	-10.58	100	315	Peak	Vertical		
6	263.77	34.20	40.65	-6.45	46.00	-11.80	200	198	Peak	Vertical		

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

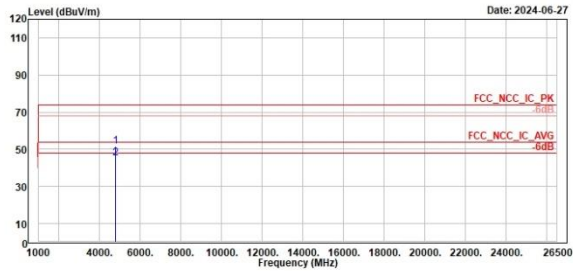
BLE_1M

Low Channel (Horizontal)

Low Channel (Vertical)



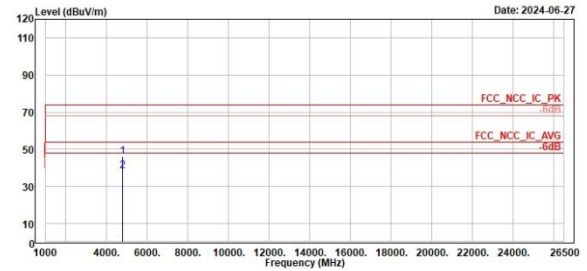
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4894.00	51.35	59.37	-8.02	74.00	-22.65	180	294	Peak	Horizontal	
2	4894.00	45.35	53.37	-8.02	54.00	-8.65	180	294	Average	Horizontal	



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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	4894.00	46.20	54.22	-8.02	74.00	-27.80	180	302	Peak	Vertical	
2	4894.00	38.50	46.52	-8.02	54.00	-15.50	180	302	Average	Vertical	

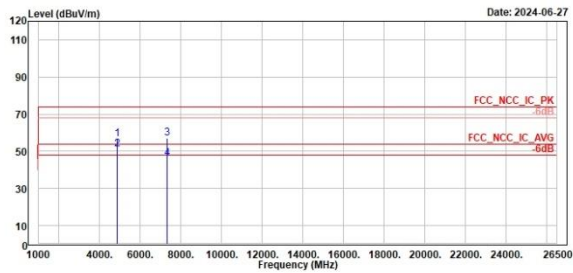
BLE_1M

Middle Channel (Horizontal)

Middle Channel (Vertical)



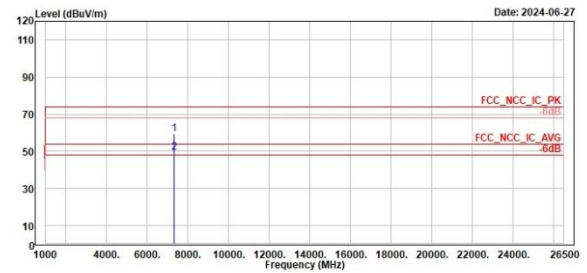
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4880.00	56.75	64.69	-7.94	74.00	-17.25	100	274	Peak	Horizontal		
2	4880.00	51.01	58.95	-7.94	54.00	-2.99	100	274	Average	Horizontal		
3	7320.00	56.99	62.37	-5.38	74.00	-17.01	100	289	Peak	Horizontal		
4	7320.00	46.06	51.44	-5.38	54.00	-7.94	100	289	Average	Horizontal		



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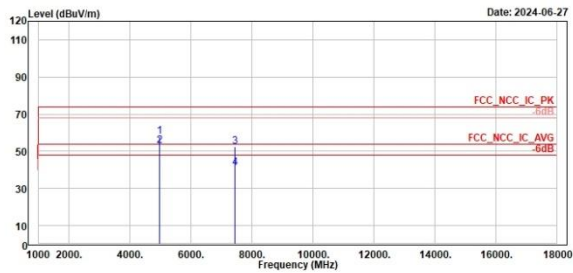
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	7320.00	59.35	64.73	-5.38	74.00	-14.65	100	114	Peak	Vertical		
2	7320.00	49.33	54.71	-5.38	54.00	-4.67	100	114	Average	Vertical		

BLE_1M

High Channel (Horizontal)



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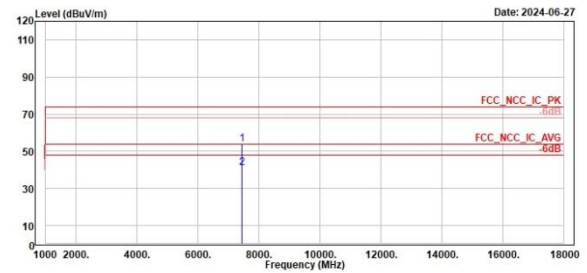


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	4960.00	57.88	65.69	-7.81	74.00	-16.12	100	275	Peak	Horizontal		
2	4960.00	52.98	60.79	-7.81	54.00	-1.02	100	275	Average	Horizontal		
3	7440.00	52.33	57.74	-5.41	74.00	-21.67	100	60	Peak	Horizontal		
4	7440.00	40.91	46.32	-5.41	54.00	-13.09	100	60	Average	Horizontal		

High Channel (Vertical)



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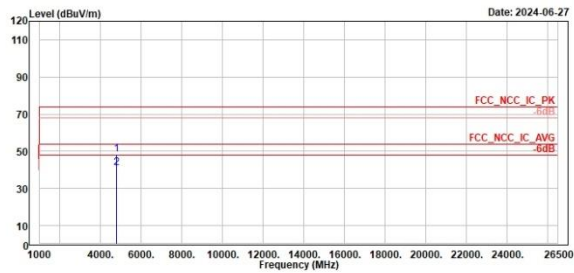
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	7440.00	53.93	59.34	-5.41	74.00	-20.07	100	292	Peak	Vertical		
2	7440.00	40.97	46.38	-5.41	54.00	-13.03	100	292	Average	Vertical		

BLE_2M

Low Channel (Horizontal)



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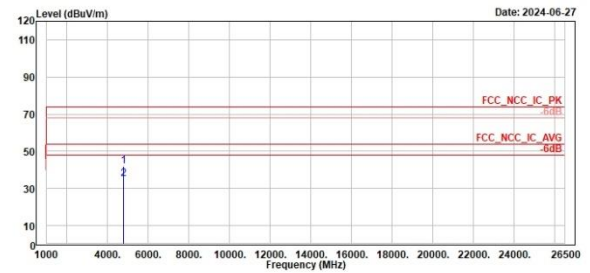


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4894.00	48.39	56.41	-8.02	74.00	-25.61	100	75	Peak	Horizontal	
2	4894.00	41.06	49.08	-8.02	54.00	-12.94	100	75	Average	Horizontal	

Low Channel (Vertical)



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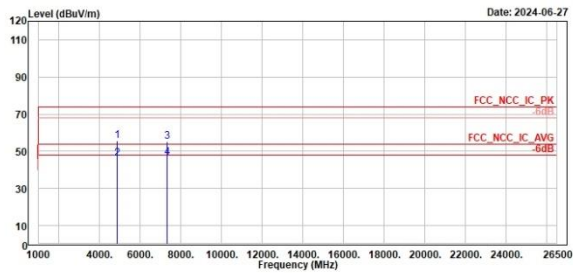
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4894.00	41.02	49.04	-8.02	74.00	-32.18	100	138	Peak	Vertical	
2	4894.00	35.33	43.35	-8.02	54.00	-18.67	100	138	Average	Vertical	

BLE_2M

Middle Channel (Horizontal)



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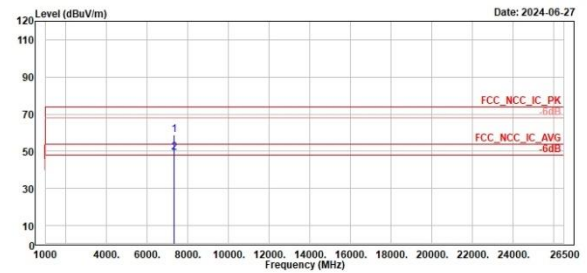


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4880.00	55.59	63.53	-7.94	74.00	-18.41	100	277	Peak	Horizontal		
2	4880.00	46.27	54.21	-7.94	54.00	-7.73	100	277	Average	Horizontal		
3	7320.00	55.41	60.79	-5.38	74.00	-18.59	100	289	Peak	Horizontal		
4	7320.00	46.61	51.99	-5.38	54.00	-7.39	100	289	Average	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	7320.00	58.80	64.18	-5.38	74.00	-15.20	100	110	Peak	Vertical		
2	7320.00	49.33	54.71	-5.38	54.00	-4.67	100	110	Average	Vertical		