

Appendix D:

Test Results of Radiated Spurious Emissions & Mains Conducted

Emission Test for ANT 4 (UFL, ECC)

Band Edges, 2.31GHz ~ 2.9GHz

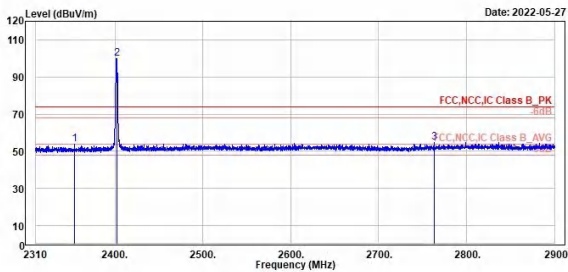
BLE_1M

CH0 (Horizontal) Peak

CH0 (Vertical) Peak



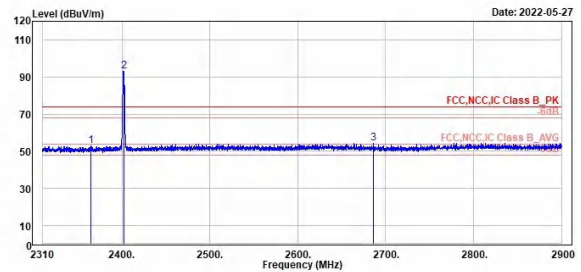
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2353.90	53.99	16.59	37.40	74.00	-20.01	101	333	Peak	Horizontal	
2 *	2482.00	99.99	62.36	37.63	74.00	25.99	101	333	Peak	Horizontal	
3	2762.88	54.84	16.68	38.16	74.00	-19.16	101	333	Peak	Horizontal	



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2365.22	53.11	15.66	37.45	74.00	-20.89	100	162	Peak	Vertical	
2 *	2482.00	93.13	55.50	37.63	74.00	19.13	100	162	Peak	Vertical	
3	2685.83	54.42	16.49	37.93	74.00	-19.58	100	162	Peak	Vertical	

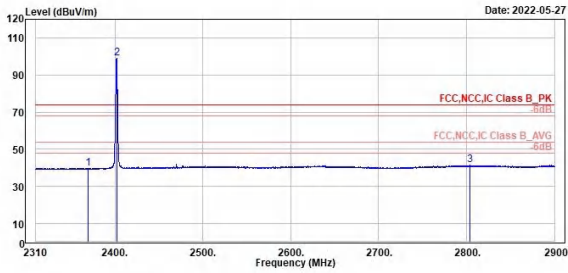
BLE_1M

CH0 (Horizontal) Average

CH0 (Vertical) Average



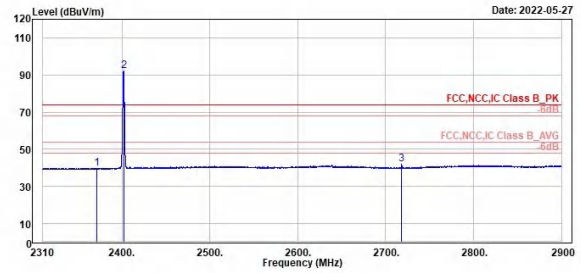
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1	2	3
Level	Level	Level
Factor	Factor	Factor
Line	Line	Line
Limit	Limit	Limit
Over	Over	Over
Limit	Limit	Limit
APos	APos	APos
TPos	TPos	TPos
Remark	Remark	Remark
Pol/Phase	Pol/Phase	Pol/Phase
Note	Note	Note
2369.47	2482.00	2883.48
39.86	98.95	41.47
2.38	61.32	3.27
37.48	37.63	38.20
54.00	54.00	54.00
-14.14	44.95	-12.53
101	101	101
333	333	333
Average	Average	Average
Horizontal	Horizontal	Horizontal



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1	2	3
Level	Level	Level
Factor	Factor	Factor
Line	Line	Line
Limit	Limit	Limit
Over	Over	Over
Limit	Limit	Limit
APos	APos	APos
TPos	TPos	TPos
Remark	Remark	Remark
Pol/Phase	Pol/Phase	Pol/Phase
Note	Note	Note
2371.36	2482.00	2718.84
39.87	92.07	41.96
2.38	54.44	3.98
37.49	37.63	37.98
54.00	54.00	54.00
-14.13	38.07	-12.04
100	100	100
162	162	162
Average	Average	Average
Vertical	Vertical	Vertical

BLE_1M

CH39 (Horizontal) Peak

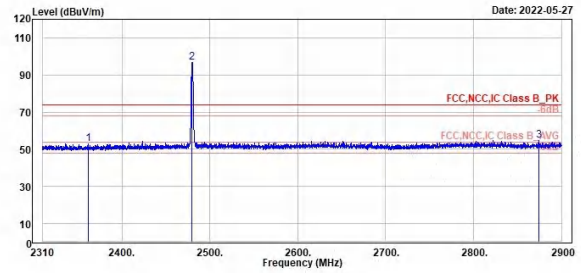
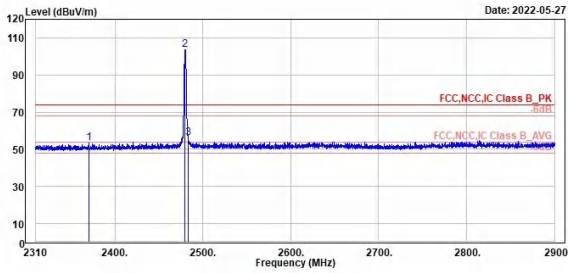
CH39 (Vertical) Peak



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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	dB	cm	deg			
1	2370.89	53.17	15.69	37.48	74.00	-20.83	321	187	Peak	Horizontal		
2 *	2480.00	103.41	65.62	37.79	74.00	29.41	321	187	Peak	Horizontal		
3	2483.58	56.33	18.53	37.80	74.00	-17.67	321	187	Peak	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	2361.57	52.01	15.47	37.44	74.00	-21.99	331	268	Peak	Vertical		
2 *	2480.00	96.00	59.11	37.79	74.00	22.00	331	268	Peak	Vertical		
3	2874.28	54.78	16.49	38.29	74.00	-19.22	331	268	Peak	Vertical		

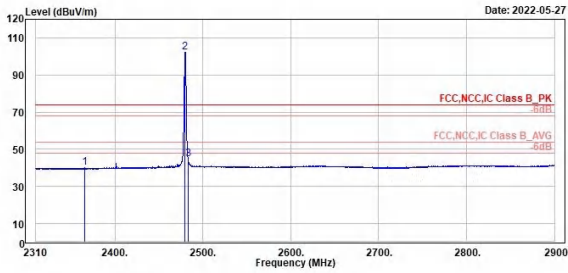
BLE_1M

CH39 (Horizontal) Average

CH39 (Vertical) Average



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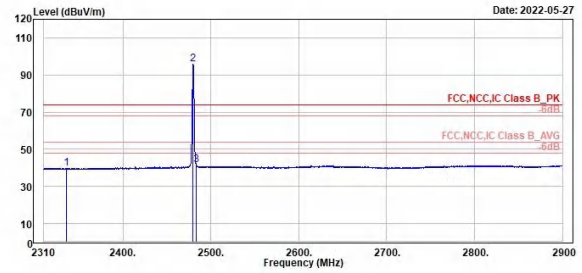


1	2	3
Level	Level	Level
dBuV/m	dBuV/m	dBuV/m
39.95	182.38	44.53

Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
dBuV	dB/m	dBuV/m	dB	cm	deg			
2.58	37.45	54.00	-14.05	321	187	Average	Horizontal	
64.51	37.79	54.00	48.30	321	187	Average	Horizontal	
6.73	37.80	54.00	-9.47	321	187	Average	Horizontal	



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1	2	3
Level	Level	Level
dBuV/m	dBuV/m	dBuV/m
39.91	95.79	41.50

Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
dBuV	dB/m	dBuV/m	dB	cm	deg			
2.58	37.33	54.00	-14.09	331	268	Average	Vertical	
58.00	37.79	54.00	41.79	331	268	Average	Vertical	
3.70	37.80	54.00	-12.50	331	268	Average	Vertical	

BLE_2M

CH1 (Horizontal) Peak

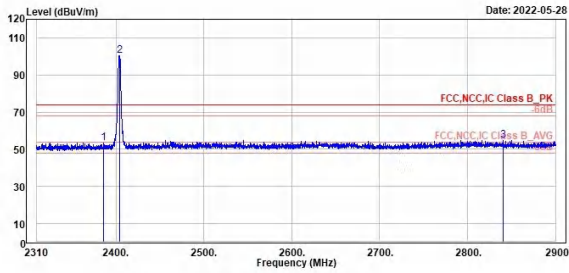
CH1 (Vertical) Peak



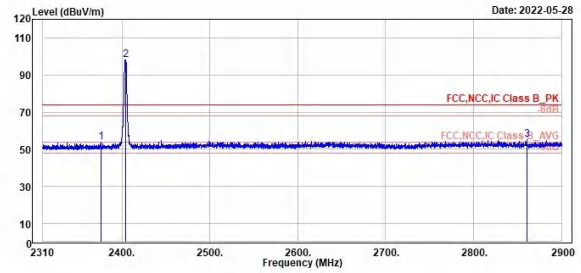
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dB/m	dBuV/m	dB	cm	deg			
1	2386.46	53.60	16.03	37.57	74.00	-20.40	118	357	Peak	Horizontal		
2 *	2404.00	100.39	62.75	37.64	74.00	-26.39	118	357	Peak	Horizontal		
3	2840.65	54.88	16.71	38.17	74.00	-19.12	118	357	Peak	Horizontal		



Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dB/m	dBuV/m	dB	cm	deg			
1	2376.67	53.70	16.19	37.51	74.00	-20.30	322	93	Peak	Vertical		
2 *	2404.00	98.31	60.67	37.64	74.00	-24.31	322	93	Peak	Vertical		
3	2860.71	55.38	17.16	38.22	74.00	-18.62	322	93	Peak	Vertical		

BLE_2M

CH1 (Horizontal) Average

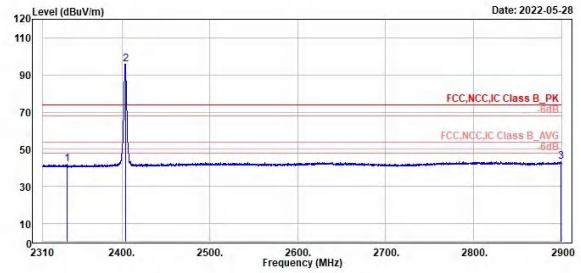
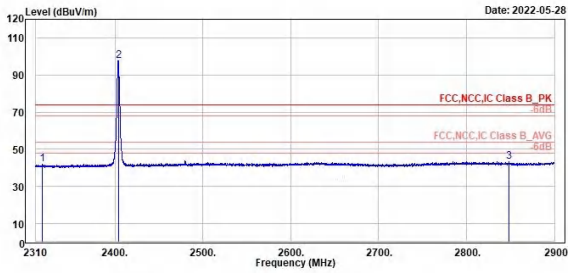
CH1 (Vertical) Average



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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		
2317.43	41.83	4.57	37.26	54.00	-12.17	118	357 Average	Horizontal	
2404.00	97.84	68.28	37.64	54.00	43.84	118	357 Average	Horizontal	
2847.73	43.35	5.19	38.16	54.00	-10.65	118	357 Average	Horizontal	

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		
2337.73	41.82	4.48	37.34	54.00	-12.18	322	93 Average	Vertical	
2404.00	95.86	58.22	37.64	54.00	41.86	322	93 Average	Vertical	
2899.17	43.42	5.08	38.42	54.00	-10.58	322	93 Average	Vertical	

BLE_2M

CH38 (Horizontal) Peak

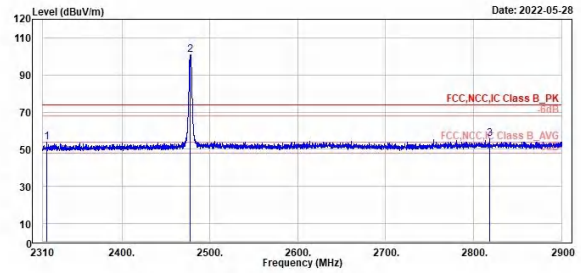
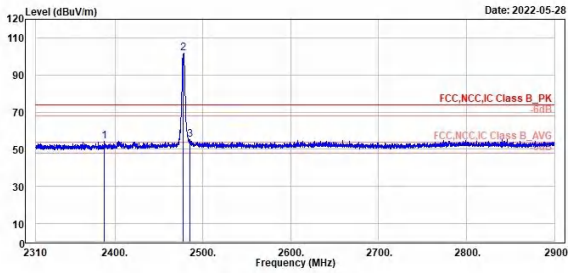
CH38 (Vertical) Peak



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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	2388.35	54.09	16.52	37.57	74.00	-19.91	146	359	Peak	Horizontal	
2 *	2478.00	101.59	63.81	37.78	74.00	27.59	146	359	Peak	Horizontal	
3	2485.11	55.44	17.64	37.80	74.00	-18.56	146	359	Peak	Horizontal	

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	2314.25	53.70	16.44	37.26	74.00	-20.30	369	107	Peak	Vertical	
2 *	2478.00	100.93	63.15	37.78	74.00	26.93	369	107	Peak	Vertical	
3	2818.11	55.52	17.33	38.19	74.00	-18.48	369	107	Peak	Vertical	

BLE_2M

CH38 (Horizontal) Average

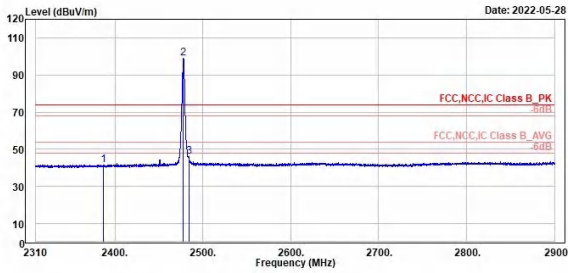
CH38 (Vertical) Average



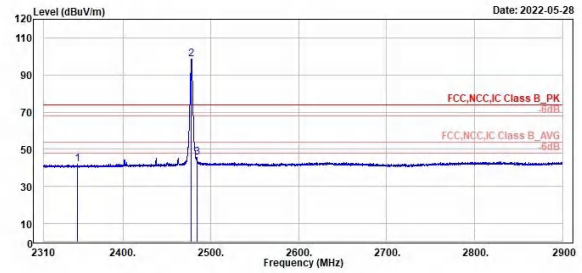
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dB/m	dBuV/m	dB	cm	deg			
1	2387.05	41.61	4.04	37.57	54.00	-12.39	146	359	Average	Horizontal	
2 *	2478.00	99.09	61.31	37.78	54.00	45.09	146	359	Average	Horizontal	
3	2484.05	45.99	8.19	37.80	54.00	-8.01	146	359	Average	Horizontal	



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dB/m	dBuV/m	dB	cm	deg			
1	2348.23	41.97	4.60	37.37	54.00	-12.03	369	107	Average	Vertical	
2 *	2478.00	98.53	60.75	37.78	54.00	44.53	369	107	Average	Vertical	
3	2484.05	45.42	7.62	37.80	54.00	-8.58	369	107	Average	Vertical	

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

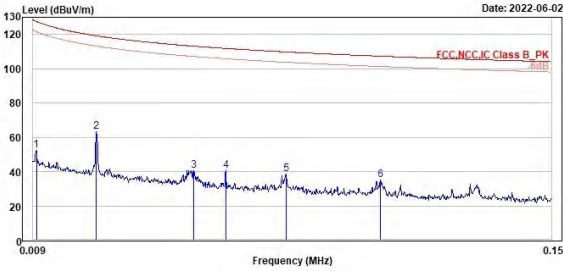
BLE_1M

CH19 (Open) 9kHz~150kHz

CH19 (Open) 150kHz~30MHz



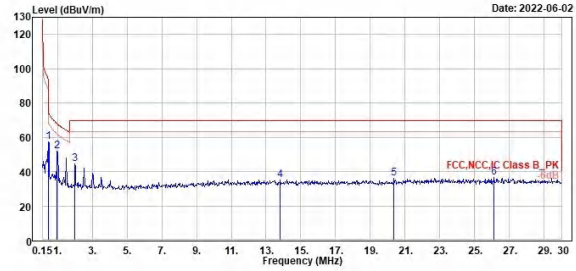
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.01	52.30	34.59	17.71	127.60	-75.30	100	41 QP	Open
2	0.03	63.12	43.94	19.18	119.18	-56.06	100	142 QP	Open
3	0.05	40.62	21.37	19.25	113.16	-72.54	100	350 QP	Open
4	0.06	40.64	21.58	19.06	111.82	-71.18	100	277 QP	Open
5	0.08	38.50	19.80	18.70	109.77	-71.27	100	158 QP	Open
6	0.10	34.97	16.74	18.23	107.30	-72.33	100	156 QP	Open



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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	0.48	57.45	38.50	18.95	94.01	-36.56	100	152 QP	Open
2	0.99	51.70	32.44	19.26	67.73	-16.03	100	154 QP	Open
3	2.00	44.58	25.17	19.41	69.50	-24.92	100	67 QP	Open
4	13.82	35.27	13.50	21.77	69.50	-34.23	100	43 QP	Open
5	20.36	36.20	13.98	22.22	69.50	-33.30	100	258 QP	Open
6	26.12	36.36	13.89	22.47	69.50	-33.14	100	135 QP	Open

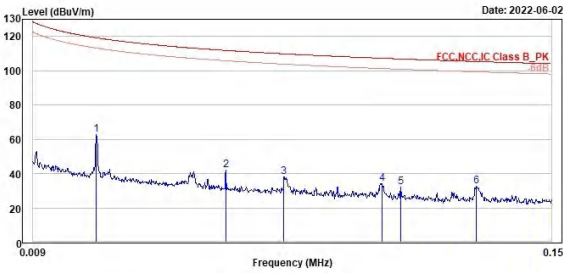
BLE_2M

CH1 (Open) 9kHz~150kHz

CH1 (Open) 150kHz~30MHz



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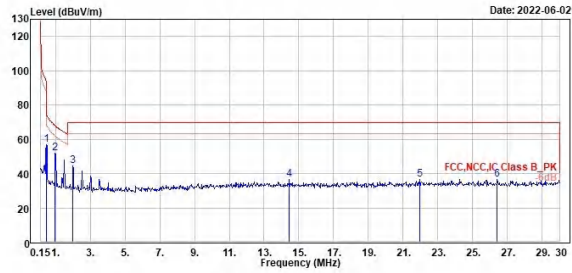


Date: 2022-06-02

Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.03	62.98	43.88	19.18	119.18	-56.28	100	118	QP	Open
2	0.06	41.89	22.83	19.06	111.82	-69.93	100	319	QP	Open
3	0.08	37.91	19.28	18.71	109.84	-71.93	100	23	QP	Open
4	0.10	34.35	16.12	18.23	107.26	-72.91	100	317	QP	Open
5	0.11	32.11	13.86	18.25	106.84	-74.73	100	144	QP	Open
6	0.13	32.42	14.10	18.32	105.35	-72.93	100	243	QP	Open



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Date: 2022-06-02

Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.48	56.75	37.88	18.85	94.81	-37.26	100	40	QP	Open
2	0.99	51.81	32.55	19.26	67.73	-15.92	100	156	QP	Open
3	2.00	44.43	25.82	19.41	69.50	-25.07	100	156	QP	Open
4	14.45	36.45	14.64	21.81	69.50	-33.05	100	312	QP	Open
5	21.94	36.35	14.06	22.29	69.50	-33.15	100	195	QP	Open
6	26.42	36.38	13.89	22.49	69.50	-33.12	100	282	QP	Open

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

BLE_1M

CH19 (Horizontal)

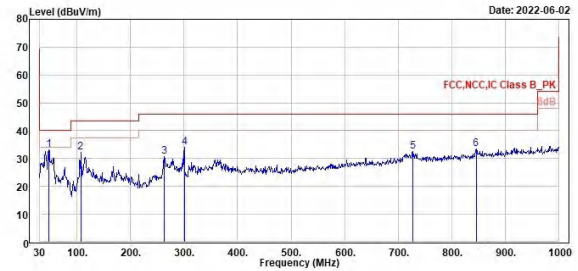
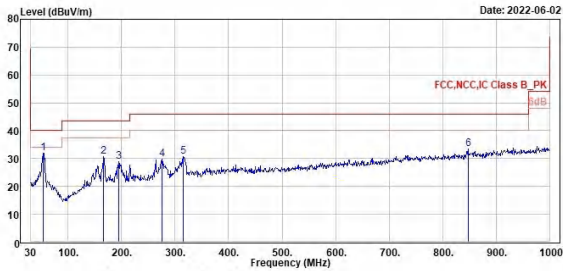
CH19 (Vertical)



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1	2	3	4	5	6				
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
53.28	31.96	38.34	-6.38	40.00	-8.04	200	54 QP	Horizontal	
166.77	30.80	36.81	-6.01	43.50	-12.70	200	297 QP	Horizontal	
193.93	28.91	37.49	-8.58	43.50	-14.59	200	327 QP	Horizontal	
275.41	29.69	35.12	-5.43	46.00	-16.31	100	91 QP	Horizontal	
315.18	30.67	35.26	-4.59	46.00	-15.33	100	284 QP	Horizontal	
847.71	33.50	29.75	3.75	46.00	-12.50	300	353 QP	Horizontal	

1	2	3	4	5	6				
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
47.46	33.19	39.14	-5.95	40.00	-6.81	100	160 QP	Vertical	
186.63	32.22	42.26	-10.04	43.50	-11.28	100	126 QP	Vertical	
262.80	30.67	36.67	-6.20	46.00	-15.33	100	161 QP	Vertical	
300.63	34.02	38.74	-4.72	46.00	-11.98	100	10 QP	Vertical	
727.43	32.44	30.56	1.88	46.00	-13.56	100	56 QP	Vertical	
845.77	33.38	29.65	3.73	46.00	-12.62	200	44 QP	Vertical	

BLE_2M

CH1 (Horizontal)

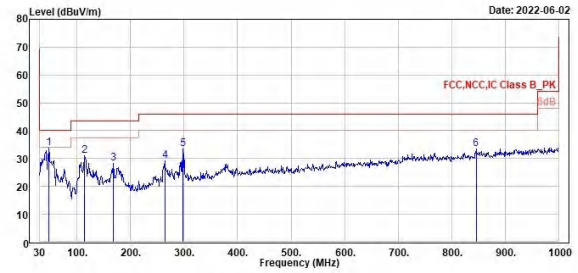
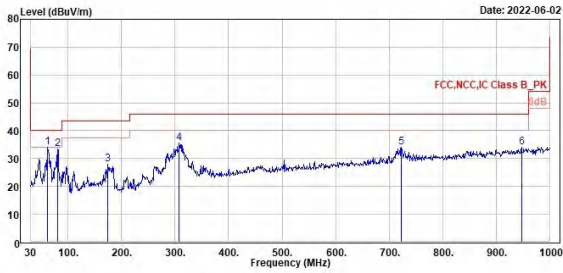
CH1 (Vertical)



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Peak	Freq MHz	Level dBuV/m	Read Level dBuV	Factor dB/m	Limit Line dBuV/m	Over Limit dB	APos cm	TPos deg	Remark	Pol/Phase	Note
1	62.81	33.86	41.42	-7.46	40.00	-6.84	100	360	QP	Horizontal	
2	80.44	33.38	43.85	-10.47	40.00	-6.62	100	360	QP	Horizontal	
3	173.56	28.11	34.66	-6.55	43.50	-15.39	300	137	QP	Horizontal	
4	307.42	35.70	40.41	-4.71	46.00	-10.30	300	138	QP	Horizontal	
5	722.58	34.08	32.32	1.76	46.00	-11.92	100	293	QP	Horizontal	
6	947.62	34.21	28.84	5.37	46.00	-11.79	294	360	QP	Horizontal	

Peak	Freq MHz	Level dBuV/m	Read Level dBuV	Factor dB/m	Limit Line dBuV/m	Over Limit dB	APos cm	TPos deg	Remark	Pol/Phase	Note
1	47.46	33.89	39.84	-5.95	40.00	-6.11	100	86	Peak	Vertical	
2	114.39	31.10	40.17	-9.07	43.50	-12.40	100	256	Peak	Vertical	
3	167.74	28.15	34.14	-5.99	43.50	-15.35	100	72	Peak	Vertical	
4	263.77	29.31	35.47	-6.16	46.00	-16.69	100	158	Peak	Vertical	
5	297.72	33.43	38.21	-4.78	46.00	-12.57	0	0	Peak	Vertical	
6	845.77	33.57	29.84	3.73	46.00	-12.43	100	227	Peak	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

BLE_1M

CH0 (Horizontal)

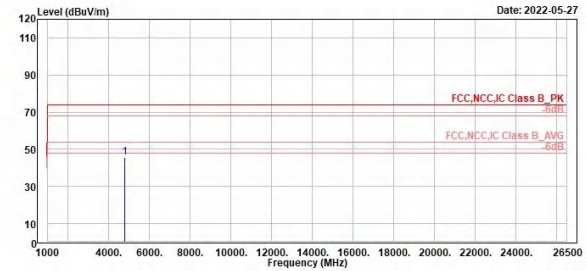
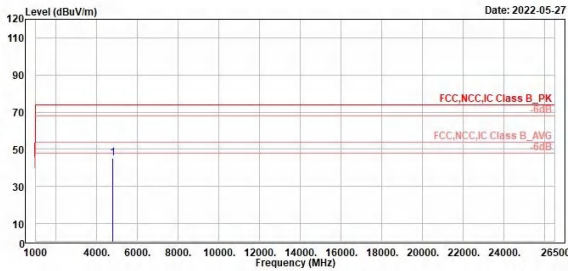
CH0 (Vertical)



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Freq	Level	Read	Level	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4884.00	45.39	55.26	-9.87	74.00	-28.61	100	359 Peak	Horizontal	

Freq	Level	Read	Level	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4884.00	45.48	55.35	-9.87	74.00	-28.52	152	49 Peak	Vertical	

BLE_1M

CH19 (Horizontal)

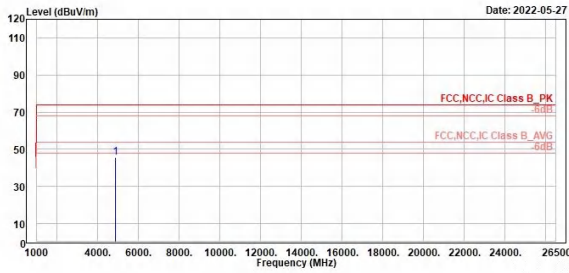
CH19 (Vertical)



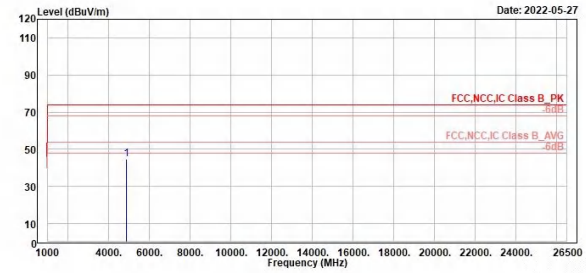
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1	4880.00	45.84	55.63	-9.79	74.00	-28.16	100	176	Peak	Horizontal
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1	4880.00	44.94	54.73	-9.79	74.00	-29.06	300	271	Peak	Vertical
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BLE_1M

CH39 (Horizontal)

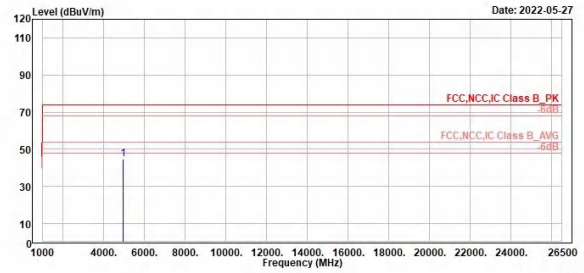
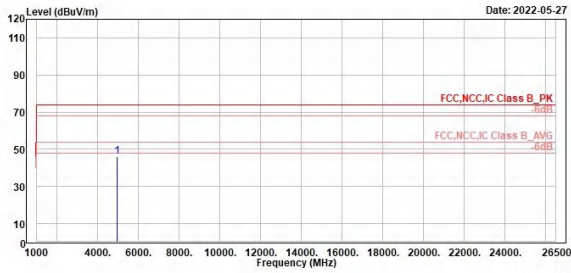
CH39 (Vertical)



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Freq	Level	Read	Level	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	Level	Factor	Line	Limit	cm	deg			
1	4960.00	46.06	55.60	-9.54	74.00	-27.94	301	0 Peak	Horizontal	

Freq	Level	Read	Level	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	Level	Factor	Line	Limit	cm	deg			
1	4960.00	44.57	54.11	-9.54	74.00	-29.43	200	284 Peak	Vertical	

BLE_2M

CH1 (Horizontal)

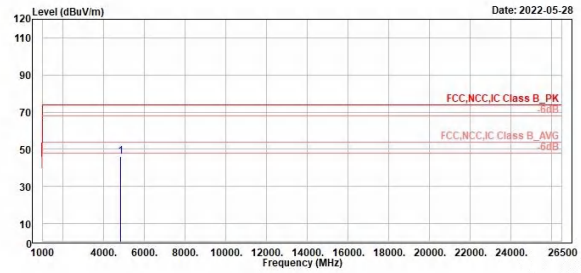
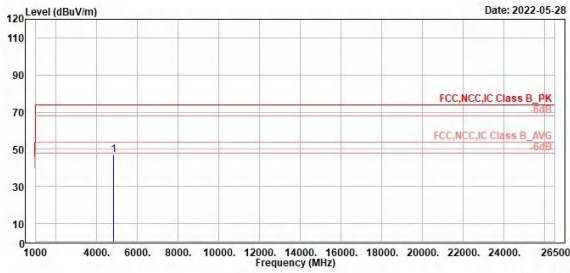
CH (Vertical)



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1	4888.00	47.00	56.85	-9.85	74.00	-27.00	170	352	Peak	Horizontal
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1	4888.00	46.13	55.98	-9.85	74.00	-27.87	357	360	Peak	Vertical
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BLE_2M

CH19 (Horizontal)

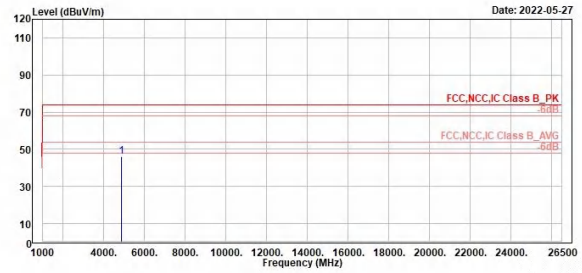
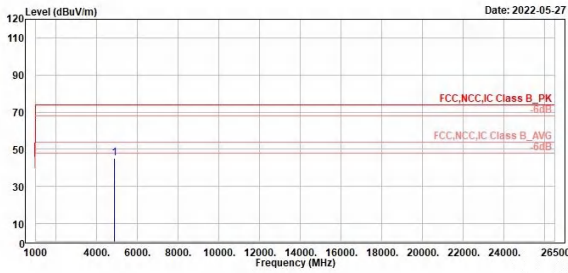
CH19 (Vertical)



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Freq	Level	Read	Level	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4880.00	45.00	54.78	-9.78	74.00	-29.00	292	0 Peak	Horizontal	

Freq	Level	Read	Level	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4880.00	46.17	55.96	-9.79	74.00	-27.83	300	269 Peak	Vertical	

BLE_2M

CH38 (Horizontal)

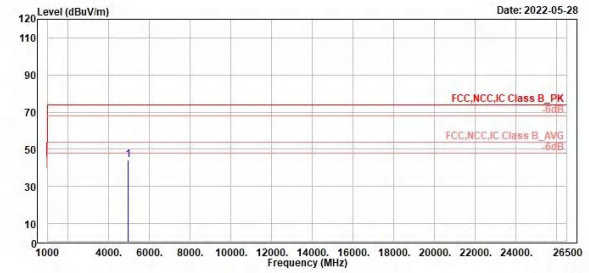
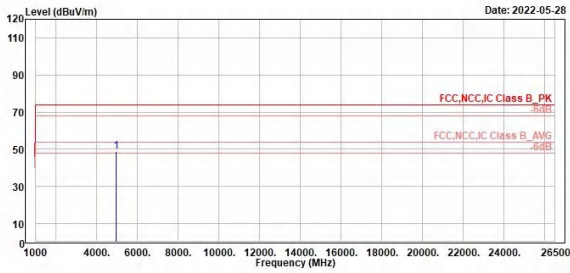
CH38 (Vertical)



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1	4956.00	48.73	58.28	-9.55	74.00	-25.27	100	359	Peak	Horizontal
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1	4956.00	44.27	53.82	-9.55	74.00	-29.73	300	283	Peak	Vertical
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Test Results of Radiated Spurious Emissions for ANT 4

(UFL, ECC, Buck PWM On)

Band Edges, 2.31GHz ~ 2.9GHz

BLE_2M

CH1 (Horizontal) Peak

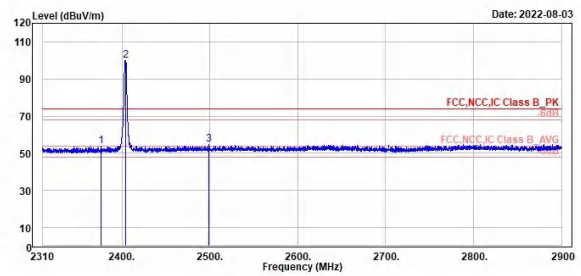
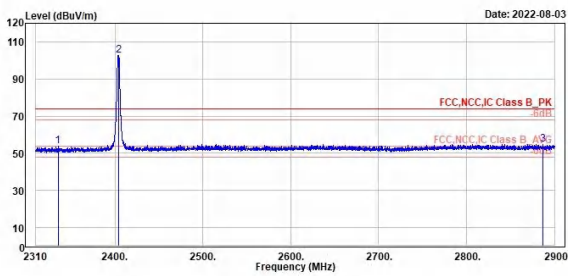
CH1 (Vertical) Peak



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2335.37	53.89	16.56	37.33	74.00	-20.11	229	346	Peak	Horizontal	
2 *	2484.00	182.63	84.89	37.64	74.00	28.63	229	346	Peak	Horizontal	
3	2887.14	54.86	16.50	38.36	74.00	-19.14	229	346	Peak	Horizontal	

Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2376.32	53.71	16.20	37.51	74.00	-20.29	382	106	Peak	Vertical	
2 *	2484.00	99.98	62.34	37.64	74.00	25.98	382	106	Peak	Vertical	
3	2499.84	54.84	16.99	37.85	74.00	-19.16	382	106	Peak	Vertical	

BLE_2M

CH1 (Horizontal) Average

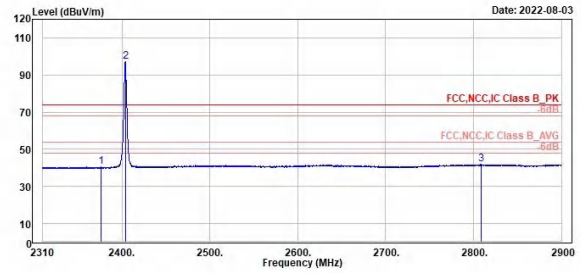
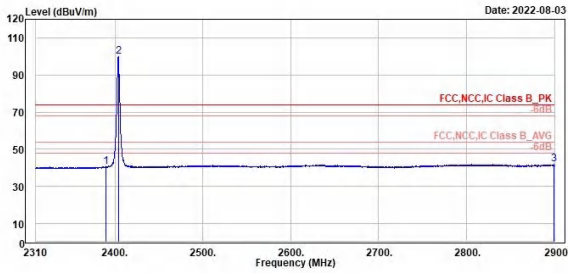
CH1 (Vertical) Average



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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dB/m	dBuV/m	dB	cm	deg			
1	2390.00	48.64	3.06	37.58	54.00	-13.36	229	346	Average	Horizontal	
2 *	2404.00	99.76	62.12	37.64	54.00	45.76	229	346	Average	Horizontal	
3	2899.53	41.87	3.45	38.42	54.00	-12.13	229	346	Average	Horizontal	

Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dB/m	dBuV/m	dB	cm	deg			
1	2376.67	48.48	2.97	37.51	54.00	-13.52	382	106	Average	Vertical	
2 *	2404.00	97.05	59.41	37.64	54.00	43.05	382	106	Average	Vertical	
3	2888.55	41.79	3.60	38.19	54.00	-12.21	382	106	Average	Vertical	

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

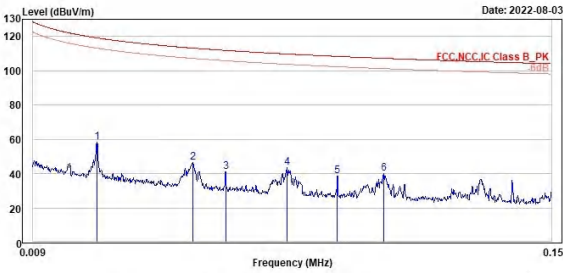
BLE_2M

CH1 (Open) 9kHz~150kHz

CH1 (Open) 150kHz~30MHz



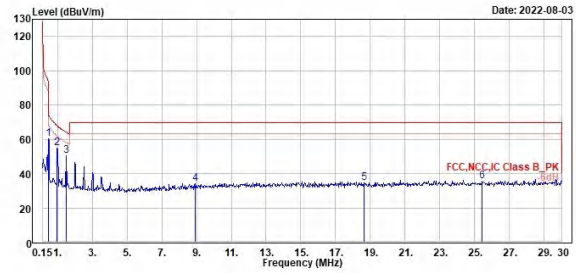
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.03	58.50	39.31	19.19	119.13	-60.63	100	34	QP	Open
2	0.05	46.29	27.03	19.26	113.20	-66.91	100	209	QP	Open
3	0.06	48.89	21.83	19.06	111.82	-70.93	100	360	QP	Open
4	0.08	43.70	25.01	18.69	109.74	-66.04	100	208	QP	Open
5	0.09	38.79	20.40	18.39	108.34	-69.55	100	88	QP	Open
6	0.10	40.09	21.85	18.24	107.23	-67.14	100	212	QP	Open



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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	0.48	60.10	41.15	18.95	94.01	-33.91	100	144	QP	Open
2	0.99	54.83	35.57	19.26	67.73	-12.90	100	221	QP	Open
3	1.49	50.26	30.92	19.34	64.12	-13.86	100	357	QP	Open
4	8.93	34.25	13.27	20.98	69.50	-35.25	100	87	QP	Open
5	18.66	34.76	12.65	22.11	69.50	-34.74	100	360	QP	Open
6	25.43	35.59	13.15	22.44	69.50	-33.91	100	43	QP	Open

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

BLE_2M

CH1 (Horizontal)

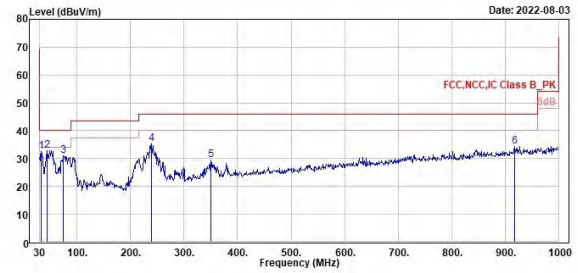
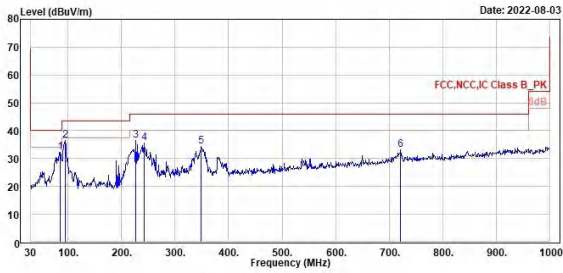
CH1 (Vertical)



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	85.29	32.33	44.04	-11.71	40.00	-7.67	300	163	QP	Horizontal	
2	94.02	36.38	48.88	-12.50	43.50	-7.12	400	270	QP	Horizontal	
3	226.91	36.55	44.05	-7.50	46.00	-9.45	200	230	QP	Horizontal	
4	241.46	35.59	42.31	-6.72	46.00	-10.41	100	305	QP	Horizontal	
5	349.13	34.31	38.22	-3.91	46.00	-11.69	100	71	QP	Horizontal	
6	721.61	33.61	31.25	1.76	46.00	-12.99	131	360	QP	Horizontal	

Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	32.91	32.40	39.91	-7.51	40.00	-7.60	100	326	QP	Vertical	
2	43.58	32.91	38.84	-5.93	40.00	-7.09	100	114	QP	Vertical	
3	74.62	31.13	40.63	-9.50	40.00	-8.87	100	161	QP	Vertical	
4	239.52	35.37	42.11	-6.74	46.00	-10.63	100	161	QP	Vertical	
5	350.10	29.39	33.28	-3.89	46.00	-16.61	100	335	QP	Vertical	
6	918.52	34.44	29.47	4.97	46.00	-11.56	200	86	QP	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

BLE_2M

CH1 (Horizontal)

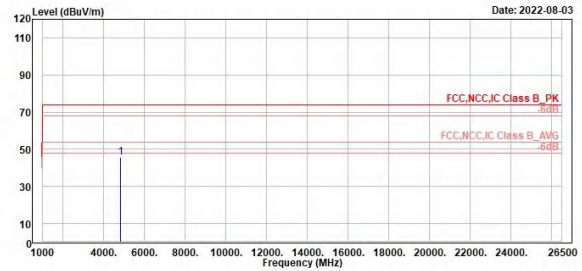
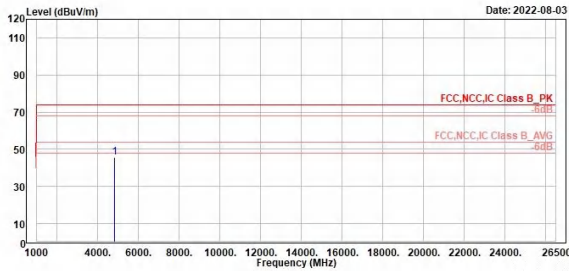
CH1 (Vertical)



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Freq	Level	Read	Level	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4888.00	45.69	55.54	-9.85	74.00	-28.31	255	33 Peak	Horizontal	

Freq	Level	Read	Level	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4888.00	45.71	55.56	-9.85	74.00	-28.29	100	195 Peak	Vertical	

Test Results of Radiated Spurious Emissions & Mains Conducted

Emission Test for ANT 4 (UFL, ECC, 2nd Source)

Band Edges, 2.31GHz ~ 2.9GHz

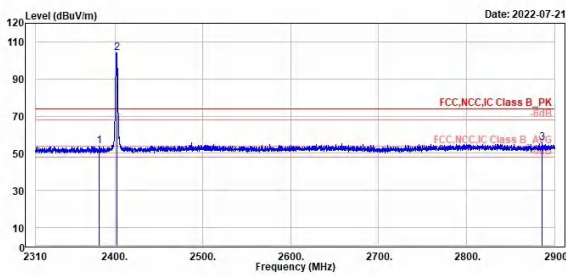
BLE_1M

CH0 (Horizontal) Peak

CH0 (Vertical) Peak



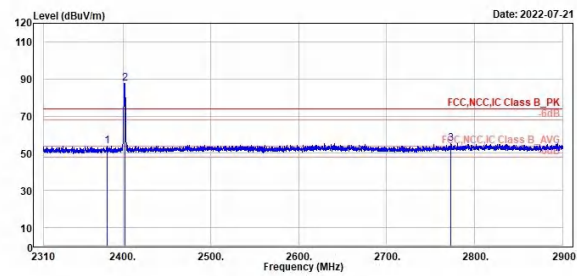
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2382.22	53.81	16.27	37.54	74.00	-20.19	159	0	Peak	Horizontal	
2 *	2482.00	103.93	66.39	37.63	74.00	29.93	159	0	Peak	Horizontal	
3	2885.96	55.57	17.22	38.35	74.00	-18.43	159	0	Peak	Horizontal	



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2382.18	53.89	16.35	37.54	74.00	-20.11	282	270	Peak	Vertical	
2 *	2482.00	87.75	50.12	37.63	74.00	13.75	282	270	Peak	Vertical	
3	2773.27	55.36	17.19	38.17	74.00	-18.64	282	270	Peak	Vertical	

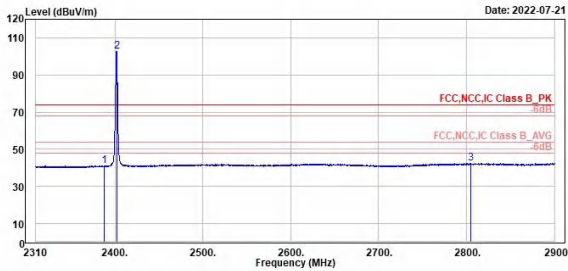
BLE_1M

CH0 (Horizontal) Average

CH0 (Vertical) Average



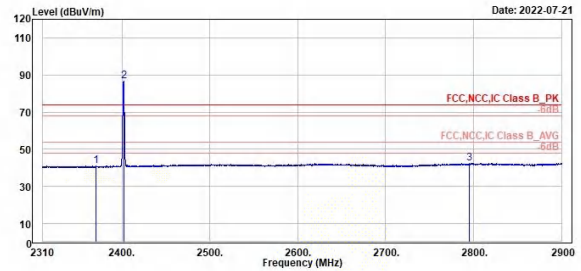
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1	2	3
2387.88	2482.00	2884.42
41.12	102.86	42.40
3.55	65.23	4.20
37.57	37.63	38.20
54.00	54.00	54.00
-12.88	48.86	-11.60
159	159	159
0	0	0
Average	Average	Average
Horizontal	Horizontal	Horizontal



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1	2	3
2370.89	2482.00	2794.98
41.12	86.53	42.56
3.64	48.98	4.36
37.48	37.63	38.20
54.00	54.00	54.00
-12.88	32.53	-11.44
282	282	282
270	270	270
Average	Average	Average
Vertical	Vertical	Vertical

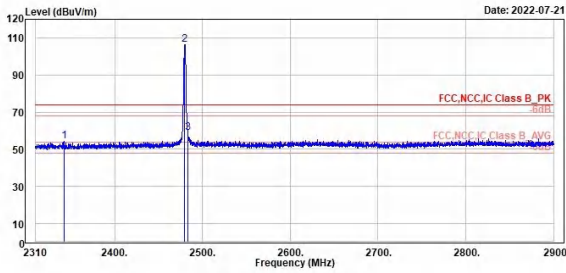
BLE_1M

CH39 (Horizontal) Peak

CH39 (Vertical) Peak



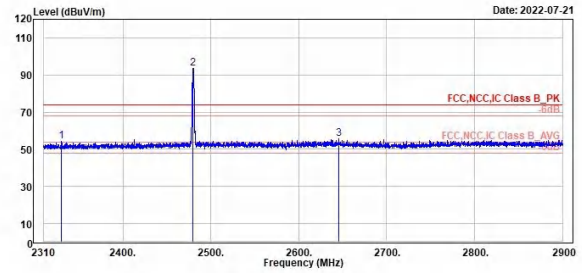
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Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2342.69	54.09	16.74	37.35	74.00	-19.91	236		4 Peak	Horizontal	
2 *	2488.00	106.19	68.40	37.79	74.00	32.19	236		4 Peak	Horizontal	
3	2483.46	58.64	20.84	37.80	74.00	-15.36	236		4 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	2330.41	54.24	16.93	37.31	74.00	-19.76	400	108	Peak	Vertical	
2 *	2488.00	93.49	55.70	37.79	74.00	19.49	400	108	Peak	Vertical	
3	2645.36	55.68	17.66	38.02	74.00	-18.32	400	108	Peak	Vertical	

BLE_1M

CH39 (Horizontal) Average

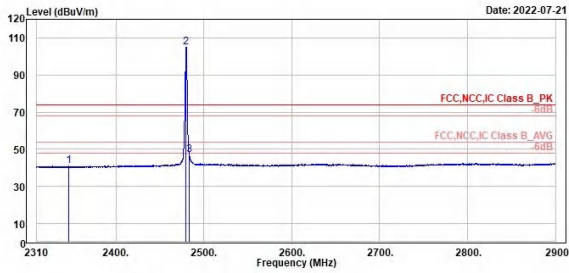
CH39 (Vertical) Average



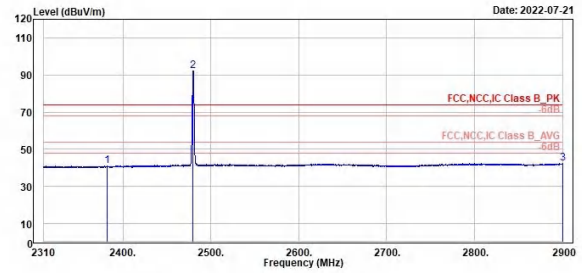
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1	2	3
2346.34	2480.00	2483.46
48.89	105.07	47.10
3.53	67.28	9.30
37.36	37.79	37.80
54.00	54.00	54.00
-13.11	51.07	-6.90
236	236	236
4	4	4
Average	Average	Average
Horizontal	Horizontal	Horizontal



1	2	3
2382.45	2480.00	2899.88
41.01	92.32	42.61
3.47	54.53	4.19
37.54	37.79	38.42
54.00	54.00	54.00
-12.99	38.32	-11.39
400	400	400
100	100	100
Average	Average	Average
Vertical	Vertical	Vertical

BLE_2M

CH1 (Horizontal) Peak

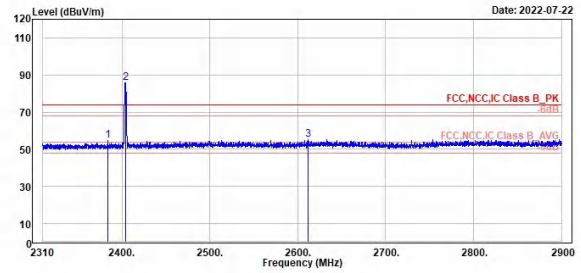
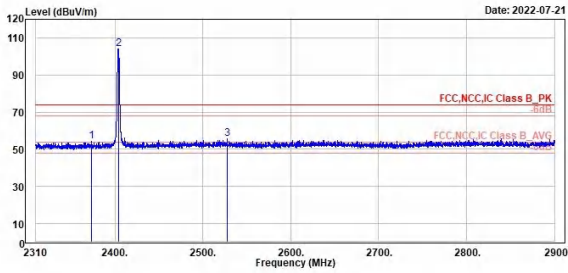
CH1 (Vertical) Peak



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Peak	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2373.72	54.26	16.77	37.49	74.00	-19.74	161	0	Peak	Horizontal	
2 *	2494.00	104.21	66.57	37.64	74.00	30.21	161	0	Peak	Horizontal	
3	2527.95	55.88	18.00	37.88	74.00	-18.12	161	0	Peak	Horizontal	

Peak	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2383.07	54.60	17.05	37.55	74.00	-19.40	254	269	Peak	Vertical	
2 *	2494.00	85.98	48.34	37.64	74.00	11.98	254	269	Peak	Vertical	
3	2612.20	55.20	17.22	37.98	74.00	-18.80	254	269	Peak	Vertical	

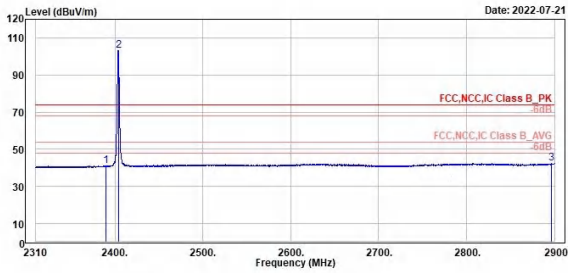
BLE_2M

CH1 (Horizontal) Average

CH1 (Vertical) Average



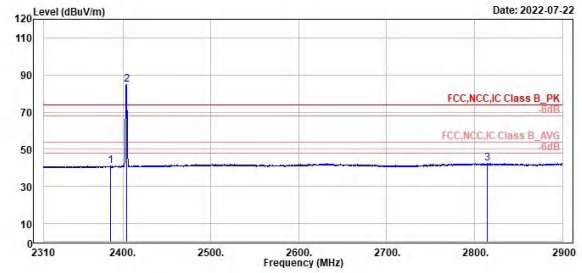
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.00	41.05	3.47	37.58	54.00	-12.95	161	0 Average	Horizontal
2 *	2404.00	103.14	65.59	37.64	54.00	49.14	161	0 Average	Horizontal
3	2896.70	42.49	4.08	38.41	54.00	-11.51	161	0 Average	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	2386.11	40.96	3.40	37.56	54.00	-13.04	254	269 Average	Vertical
2 *	2404.00	84.83	47.19	37.64	54.00	30.83	254	269 Average	Vertical
3	2814.10	42.29	4.10	38.19	54.00	-11.71	254	269 Average	Vertical

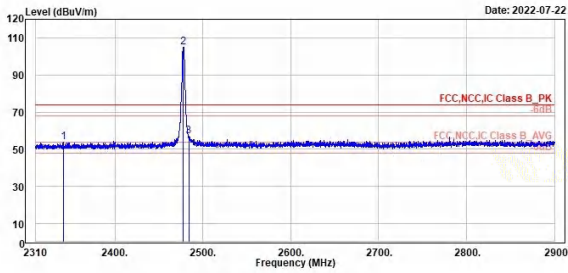
BLE_2M

CH38 (Horizontal) Peak

CH38 (Vertical) Peak



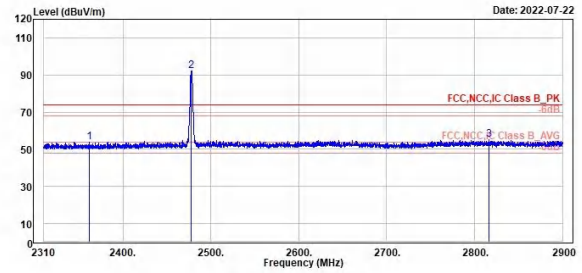
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2341.98	53.76	16.42	37.34	74.00	-20.24	294	184	Peak	Horizontal	
2 *	2478.00	105.13	67.35	37.78	74.00	31.13	294	184	Peak	Horizontal	
3	2483.93	57.06	19.26	37.80	74.00	-16.94	294	184	Peak	Horizontal	



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2361.08	53.97	16.53	37.44	74.00	-20.03	400	280	Peak	Vertical	
2 *	2478.00	92.37	54.59	37.78	74.00	18.37	400	280	Peak	Vertical	
3	2816.34	55.01	16.82	38.19	74.00	-18.99	400	280	Peak	Vertical	

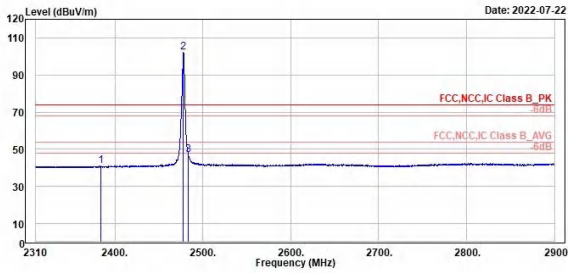
BLE_2M

CH38 (Horizontal) Average

CH38 (Vertical) Average



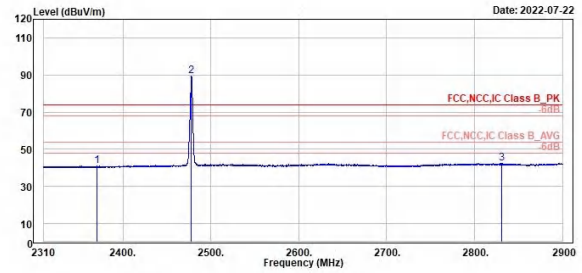
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dB/m	dBuV/m	dB	cm	deg			
1	2383.99	48.89	3.34	37.55	54.00	-13.11	294	184	Average	Horizontal	
2 *	2478.00	102.11	64.33	37.78	54.00	48.11	294	184	Average	Horizontal	
3	2483.46	47.10	9.30	37.80	54.00	-6.90	294	184	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	dB/m	dBuV/m	dB	cm	deg			
1	2370.53	41.03	3.55	37.48	54.00	-12.97	400	280	Average	Vertical	
2 *	2478.00	89.42	51.64	37.78	54.00	35.42	400	280	Average	Vertical	
3	2830.38	42.34	4.16	38.18	54.00	-11.66	400	280	Average	Vertical	

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

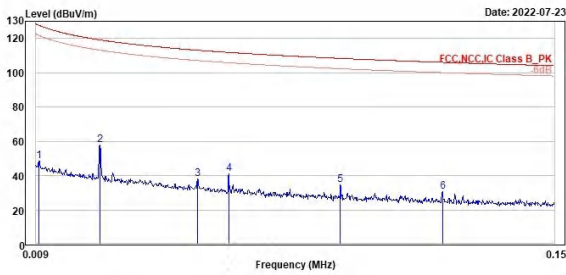
BLE_2M

CH19 (Open) 9kHz~150kHz

CH19 (Open) 150kHz~30MHz



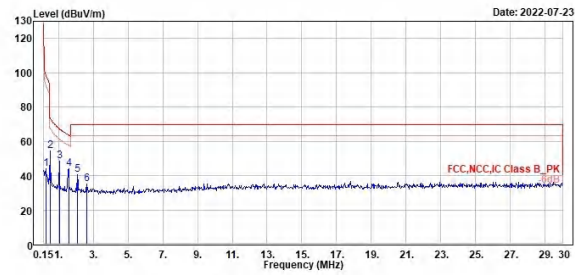
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.01	48.45	38.69	17.76	127.72	-79.27	100	257 QP	Open
2	0.03	57.77	38.58	19.19	119.13	-61.36	100	286 QP	Open
3	0.05	38.84	18.80	19.24	113.11	-75.07	100	124 QP	Open
4	0.06	40.78	21.72	19.06	111.82	-71.04	100	225 QP	Open
5	0.09	34.39	16.00	18.39	108.34	-73.95	100	161 QP	Open
6	0.12	30.58	12.29	18.29	106.05	-75.47	100	156 QP	Open



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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	0.27	44.23	25.41	18.82	98.99	-54.76	100	35 QP	Open
2	0.51	54.56	35.61	18.95	73.48	-18.92	100	164 QP	Open
3	1.05	48.34	29.87	19.27	67.22	-18.88	100	169 QP	Open
4	1.58	43.76	24.41	19.35	63.62	-19.86	100	164 QP	Open
5	2.09	40.77	21.35	19.42	69.50	-28.73	100	162 QP	Open
6	2.63	34.89	15.41	19.48	69.50	-34.61	100	132 QP	Open

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

BLE_2M

CH19 (Horizontal)

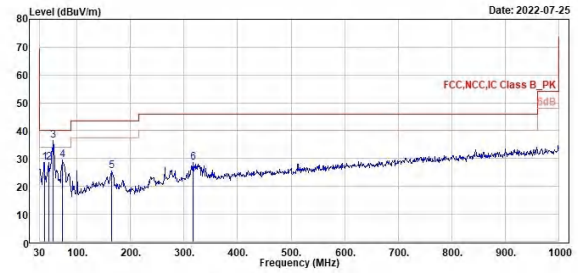
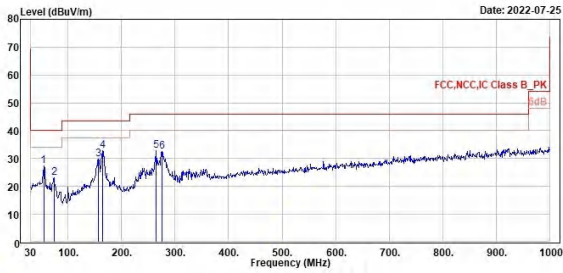
CH19 (Vertical)



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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	54.25	27.45	33.85	-6.40	40.00	-12.55	200	62 QP	Horizontal	
2	73.65	23.27	32.57	-9.30	40.00	-16.73	200	272 QP	Horizontal	
3	156.10	29.94	36.02	-6.08	43.50	-13.56	200	272 QP	Horizontal	
4	164.83	32.78	38.70	-5.92	43.50	-10.72	200	252 QP	Horizontal	
5	263.77	32.72	38.88	-6.16	46.00	-13.28	100	91 QP	Horizontal	
6	275.41	32.43	37.86	-5.43	46.00	-13.57	100	124 QP	Horizontal	

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	38.73	28.63	34.98	-6.35	40.00	-11.37	100	101 QP	Vertical	
2	46.49	28.69	34.56	-5.87	40.00	-11.31	100	256 QP	Vertical	
3	55.22	36.52	43.04	-6.52	40.00	-3.48	100	164 QP	Vertical	
4	72.88	29.56	38.58	-9.02	40.00	-10.44	100	360 QP	Vertical	
5	163.86	25.48	31.41	-5.93	43.50	-18.02	200	18 QP	Vertical	
6	317.12	28.64	35.17	-6.53	46.00	-17.36	100	182 QP	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

BLE_1M

CH19 (Horizontal)

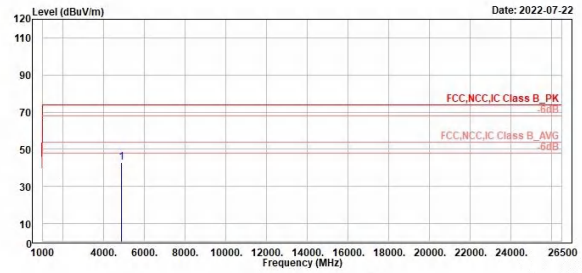
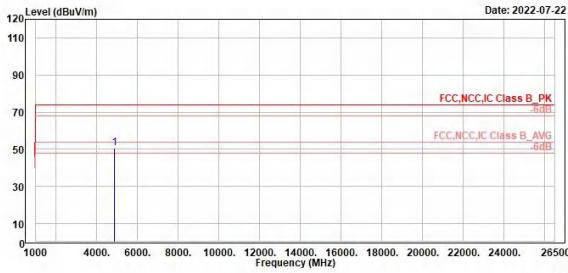
CH19 (Vertical)



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1	4880.00	50.46	60.25	-9.79	74.00	-23.54	100	314	Peak	Horizontal
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1	4880.00	42.88	52.67	-9.79	74.00	-31.12	261	35	Peak	Vertical
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BLE_2M

CH19 (Horizontal)

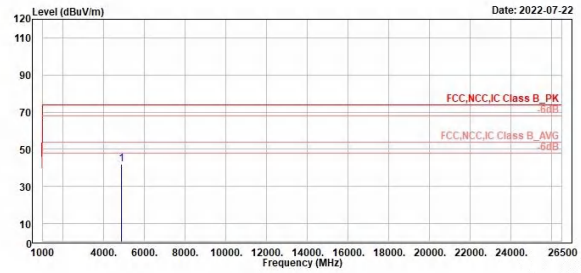
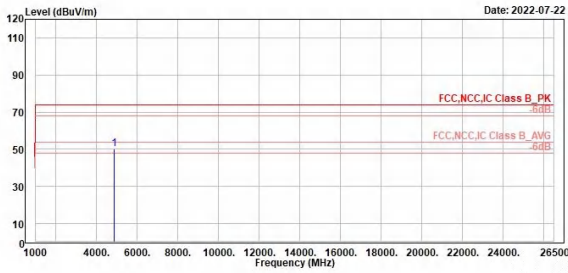
CH19 (Vertical)



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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	4880.00	50.22	60.01	-9.79	74.00	-23.78	268	3 Peak	Horizontal	

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	4880.00	41.84	51.63	-9.79	74.00	-32.16	304	360 Peak	Vertical	

Test Results of Radiated Spurious Emissions for ANT 4

(ECC, 2nd Source, Buck PWM On)

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

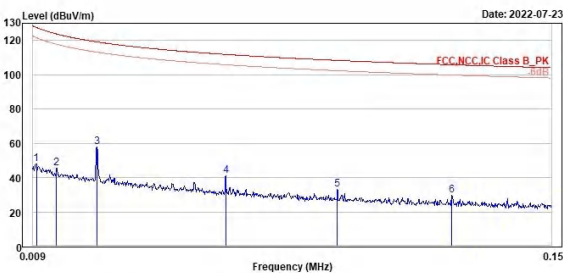
BLE_2M

CH19 (Open) 9kHz~150kHz

CH19 (Open) 150kHz~30MHz



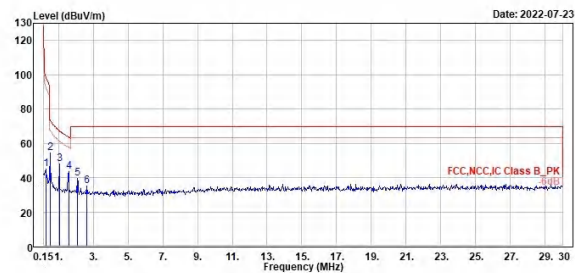
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.81	47.97	30.26	17.71	127.60	-79.63	100	360 QP	Open
2	0.02	45.48	27.28	18.20	123.79	-78.31	100	313 QP	Open
3	0.03	57.95	38.76	19.19	119.13	-61.18	100	268 QP	Open
4	0.06	40.87	21.81	19.06	111.82	-70.95	100	78 QP	Open
5	0.09	32.99	14.60	18.39	100.34	-75.35	100	194 QP	Open
6	0.12	29.85	11.59	18.30	105.80	-75.95	100	114 QP	Open



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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	0.27	44.81	25.99	18.82	98.99	-54.18	100	175 QP	Open
2	0.51	54.58	35.63	18.95	73.48	-18.90	100	168 QP	Open
3	1.05	48.00	28.73	19.27	67.22	-19.22	100	169 QP	Open
4	1.58	43.60	24.25	19.35	63.62	-20.02	100	147 QP	Open
5	2.09	39.74	20.32	19.42	69.50	-29.76	100	168 QP	Open
6	2.63	35.02	15.54	19.48	69.50	-34.48	100	170 QP	Open

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

BLE_2M

CH19 (Horizontal)

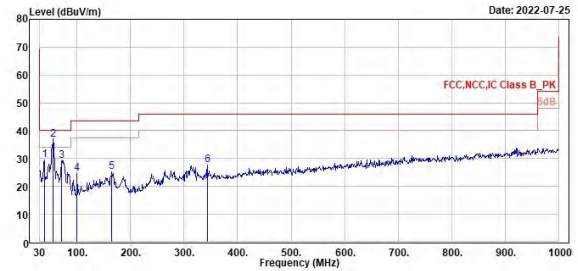
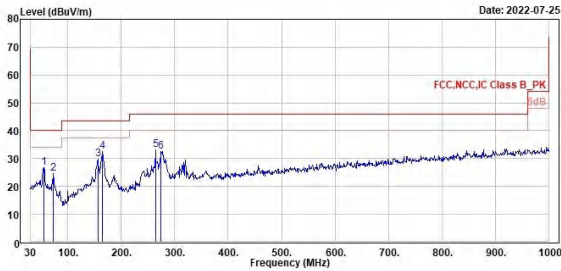
CH19 (Vertical)



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	55.22	26.92	33.44	-6.52	40.00	-13.08	200	25	QP	Horizontal	
2	72.68	24.54	33.56	-9.02	40.00	-15.46	200	112	QP	Horizontal	
3	156.10	29.68	35.76	-6.08	43.50	-13.82	200	83	QP	Horizontal	
4	164.83	32.40	38.32	-5.92	43.50	-11.10	200	89	QP	Horizontal	
5	263.77	33.16	39.32	-6.16	46.00	-12.84	100	72	QP	Horizontal	
6	274.44	32.59	38.07	-5.48	46.00	-13.41	100	85	QP	Horizontal	

Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	38.73	29.55	35.90	-6.35	40.00	-10.45	100	337	QP	Vertical	
2	55.22	36.81	43.33	-6.52	40.00	-3.19	100	145	QP	Vertical	
3	70.74	29.33	38.05	-8.72	40.00	-10.67	100	145	QP	Vertical	
4	99.84	24.60	35.90	-11.30	43.50	-18.90	100	186	QP	Vertical	
5	164.83	25.35	31.27	-5.92	43.50	-18.15	200	358	QP	Vertical	
6	343.31	27.57	31.53	-3.96	46.00	-18.43	100	245	QP	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

BLE_2M

CH19 (Horizontal)

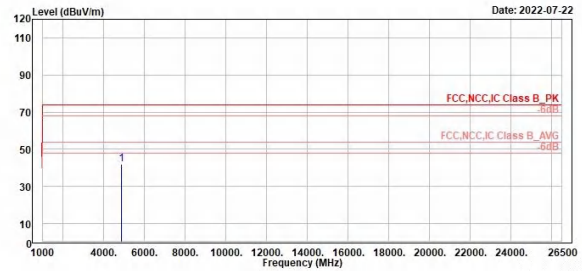
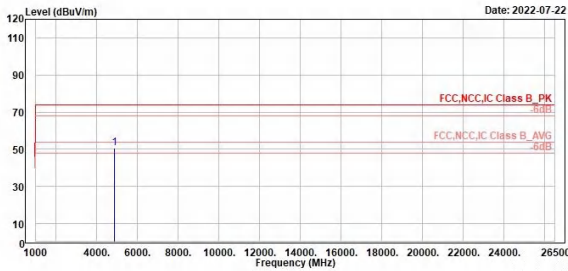
CH19 (Vertical)



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Freq	Level	Read	Level	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4880.00	50.87	60.66	-9.79	74.00	-23.13	100	318 Peak	Horizontal	

Freq	Level	Read	Level	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4880.00	42.09	51.88	-9.79	74.00	-31.91	278	5 Peak	Vertical	

Mains Conducted Emission for ANT 4, 150kHz ~ 30MHz

Worst Band (ECC)

(Line)

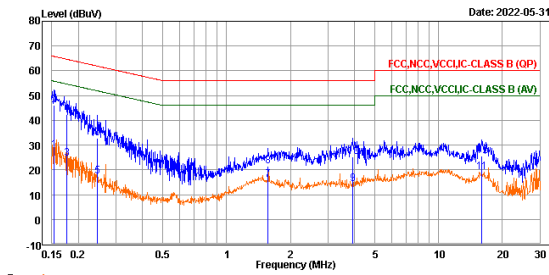
(Neutral)



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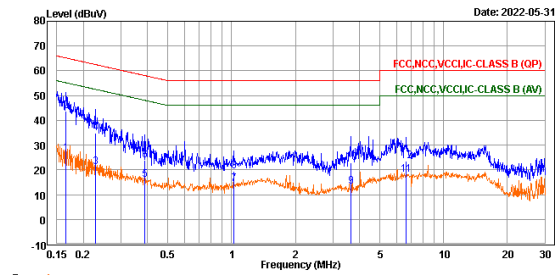


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Trace: 1

Line	Freq	Level	Read Level	Factor	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.15	27.85	18.24	9.61	55.79	-27.94	Average	line1	
2	0.15	46.24	36.63	9.61	65.79	-19.55	QP	line1	
3	0.18	24.42	14.81	9.61	54.68	-30.26	Average	line1	
4	0.18	42.26	32.65	9.61	64.68	-22.42	QP	line1	
5	0.25	17.38	7.77	9.61	51.90	-34.52	Average	line1	
6	0.25	32.62	23.01	9.61	61.90	-29.28	QP	line1	
7	1.57	15.91	6.27	9.64	46.00	-30.09	Average	line1	
8	1.57	21.60	11.96	9.64	56.00	-34.40	QP	line1	
9	3.93	14.27	4.60	9.67	46.00	-31.73	Average	line1	
10	3.93	25.11	15.44	9.67	56.00	-30.89	QP	line1	
11	15.93	19.17	9.44	9.73	50.00	-30.83	Average	line1	
12	15.93	25.67	15.94	9.73	60.00	-34.33	QP	line1	



Trace: 1

Line	Freq	Level	Read Level	Factor	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.17	26.71	17.12	9.59	55.17	-28.46	Average	neutral	
2	0.17	43.84	34.25	9.59	65.17	-21.33	QP	neutral	
3	0.23	21.00	11.41	9.59	52.52	-31.52	Average	neutral	
4	0.23	34.93	25.34	9.59	62.52	-27.59	QP	neutral	
5	0.39	16.03	6.43	9.60	48.05	-32.02	Average	neutral	
6	0.39	23.91	14.31	9.60	58.05	-34.14	QP	neutral	
7	1.02	14.40	4.80	9.60	46.00	-31.60	Average	neutral	
8	1.02	19.37	9.77	9.60	56.00	-36.63	QP	neutral	
9	3.64	13.26	3.60	9.66	46.00	-32.74	Average	neutral	
10	3.64	22.93	13.27	9.66	56.00	-33.07	QP	neutral	
11	6.66	18.15	8.44	9.71	50.00	-31.85	Average	neutral	
12	6.66	23.41	13.70	9.71	60.00	-36.59	QP	neutral	

Test Results of Radiated Spurious Emissions & Mains Conducted

Emission Test for ANT 4 (UFL, Non-ECC)

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

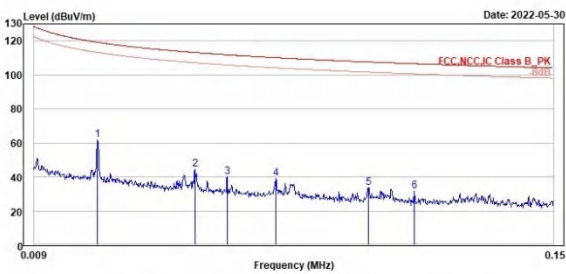
BLE_1M

CH19 (Open) 9kHz~150kHz

CH19 (Open) 150kHz~30MHz



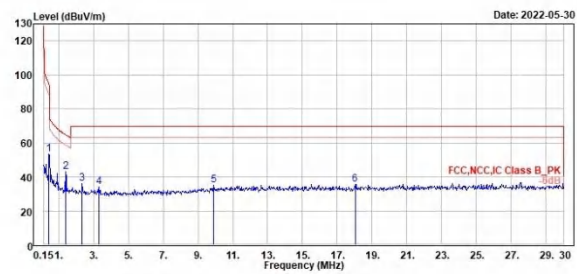
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.03	62.03	42.85	19.18	119.18	-57.15	100	116 QP	Open
2	0.05	44.44	25.19	19.25	113.16	-68.72	100	160 QP	Open
3	0.06	40.21	21.15	19.06	111.82	-71.61	100	11 QP	Open
4	0.07	38.94	20.17	18.77	110.13	-71.19	100	160 QP	Open
5	0.10	33.86	15.64	18.22	107.61	-73.75	100	160 QP	Open
6	0.11	31.45	13.19	18.26	106.59	-75.14	100	116 QP	Open



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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	0.45	53.52	34.57	18.95	94.57	-41.05	100	11 QP	Open
2	1.40	43.09	23.76	19.33	64.66	-21.57	100	34 QP	Open
3	2.36	36.21	16.76	19.45	69.50	-33.29	100	52 QP	Open
4	3.31	34.16	14.66	19.50	69.50	-35.34	100	38 QP	Open
5	9.88	35.14	13.70	21.44	69.50	-34.36	100	18 QP	Open
6	18.03	35.60	13.54	22.06	69.50	-33.90	100	338 QP	Open

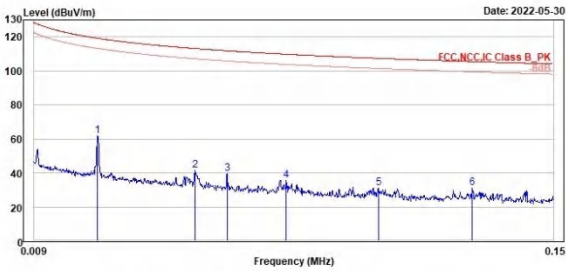
BLE_1M

CH19 (Close) 9kHz~150kHz

CH19 (Close) 150kHz~30MHz



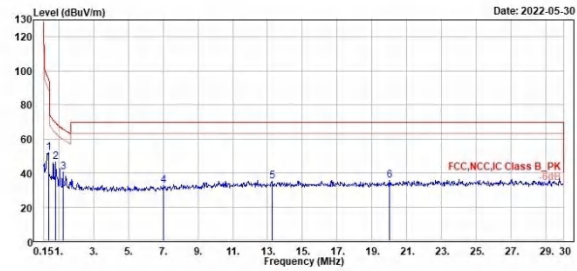
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.03	61.74	42.56	19.18	119.18	-57.44	100	176 QP	Close
2	0.05	41.38	22.13	19.25	113.13	-71.75	100	50 QP	Close
3	0.06	39.71	20.65	19.06	111.82	-72.11	100	180 QP	Close
4	0.08	35.45	16.75	18.70	109.81	-74.36	100	152 QP	Close
5	0.10	30.98	12.75	18.23	107.38	-76.40	100	150 QP	Close
6	0.13	31.13	12.81	18.32	105.45	-74.32	100	149 QP	Close



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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	0.42	51.69	32.74	18.95	95.17	-43.48	100	120 QP	Close
2	0.84	46.31	27.15	19.16	69.15	-22.84	100	128 QP	Close
3	1.25	40.69	21.38	19.31	65.64	-24.95	100	128 QP	Close
4	7.05	32.79	12.58	20.21	69.50	-36.71	100	137 QP	Close
5	13.25	35.25	13.52	21.73	69.50	-34.25	100	104 QP	Close
6	20.00	35.62	13.42	22.20	69.50	-33.88	100	33 QP	Close

BLE_2M

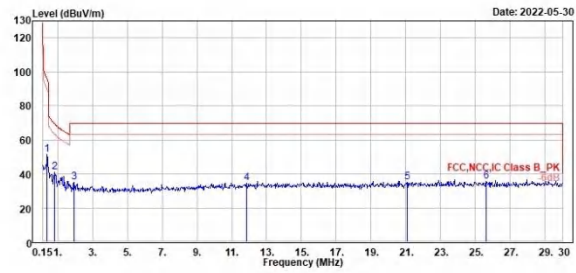
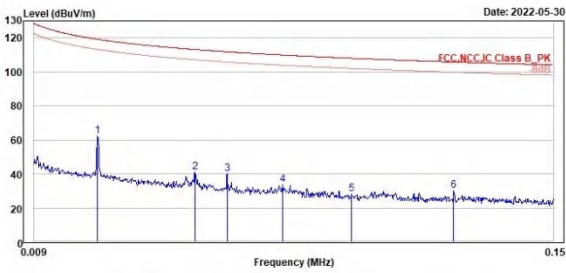
CH1 (Open) 9kHz~150kHz

CH1 (Open) 150kHz~30MHz



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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	dB	cm	deg			
1	0.03	62.04	42.06	19.18	119.18	-57.14	100	67	QP	Open		
2	0.05	41.17	21.92	19.25	113.16	-71.99	100	178	QP	Open		
3	0.06	39.93	20.87	19.06	111.82	-71.89	100	64	QP	Open		
4	0.08	33.83	15.10	18.73	109.92	-76.89	100	194	QP	Open		
5	0.10	27.99	9.67	18.32	108.01	-88.02	100	11	QP	Open		
6	0.12	29.91	11.61	18.30	105.80	-75.89	100	314	QP	Open		

Line	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	0.39	51.10	32.23	18.95	95.01	-44.63	100	159	QP	Open		
2	0.84	41.10	21.94	19.16	69.15	-28.05	100	159	QP	Open		
3	1.94	35.00	15.60	19.40	69.50	-34.50	100	165	QP	Open		
4	11.85	34.42	12.79	21.63	69.50	-35.08	100	188	QP	Open		
5	21.07	35.00	12.75	22.25	69.50	-34.50	100	35	QP	Open		
6	25.64	35.48	13.03	22.45	69.50	-34.02	100	14	QP	Open		

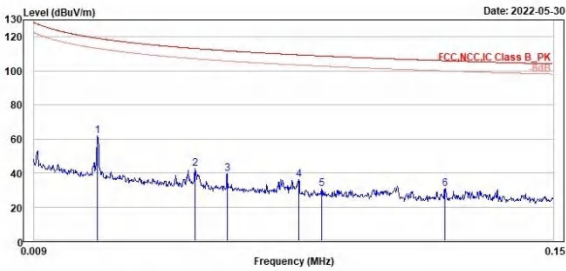
BLE_2M

CH1 (Close) 9kHz~150kHz

CH1 (Close) 150kHz~30MHz



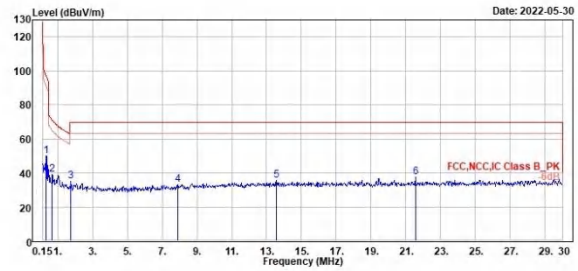
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.03	61.69	42.51	19.18	119.18	-57.49	100	161 QP	Close
2	0.05	42.31	23.06	19.25	113.13	-70.82	100	112 QP	Close
3	0.06	39.75	20.69	19.06	111.82	-72.07	100	225 QP	Close
4	0.08	36.26	17.63	18.63	109.44	-73.18	100	167 QP	Close
5	0.09	30.64	12.15	18.49	106.79	-78.15	100	150 QP	Close
6	0.12	30.68	12.39	18.29	105.90	-75.30	100	160 QP	Close



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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	0.33	49.77	30.83	18.94	97.26	-47.49	100	123 QP	Close
2	0.69	39.21	20.15	19.06	70.86	-31.65	100	193 QP	Close
3	1.76	35.07	15.69	19.38	69.50	-34.43	100	185 QP	Close
4	7.88	33.07	12.52	20.55	69.50	-36.43	100	94 QP	Close
5	13.58	35.75	14.00	21.75	69.50	-33.75	100	248 QP	Close
6	21.55	37.46	15.19	22.27	69.50	-32.04	100	200 QP	Close

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

BLE_1M

CH19 (Horizontal)

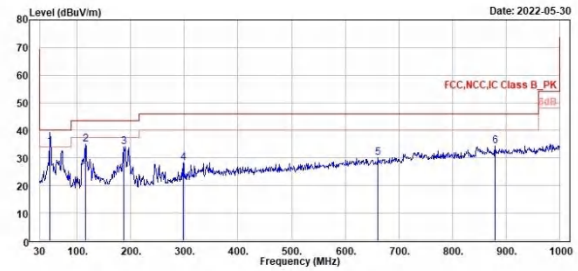
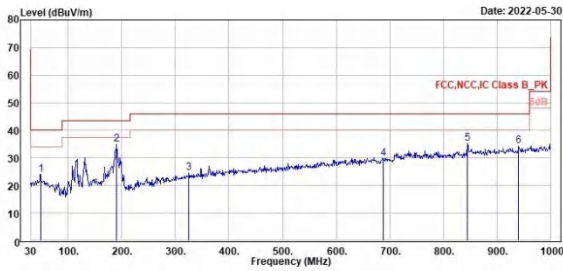
CH19 (Vertical)



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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	48.43	24.11	30.20	-6.09	40.00	-15.89	100	0 QP	Horizontal
2	190.05	34.95	43.36	-8.41	43.50	-8.55	200	302 QP	Horizontal
3	324.88	24.68	28.84	-4.16	46.00	-21.32	100	248 QP	Horizontal
4	687.66	29.86	28.38	1.48	46.00	-16.14	200	322 QP	Horizontal
5	844.80	35.18	31.45	3.73	46.00	-10.82	200	145 QP	Horizontal
6	940.83	34.23	28.98	5.25	46.00	-11.77	200	269 QP	Horizontal

Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	49.40	34.21	40.30	-6.09	40.00	-5.79	100	124 QP	Vertical
2	115.36	34.97	44.02	-9.05	43.50	-8.53	200	112 QP	Vertical
3	187.14	34.20	42.34	-8.14	43.50	-9.30	200	294 QP	Vertical
4	297.72	28.27	33.05	-4.78	46.00	-17.73	200	42 QP	Vertical
5	661.47	30.20	29.22	0.98	46.00	-15.80	200	31 QP	Vertical
6	879.72	34.23	29.99	4.24	46.00	-11.77	100	345 QP	Vertical

BLE_2M

CH1 (Horizontal)

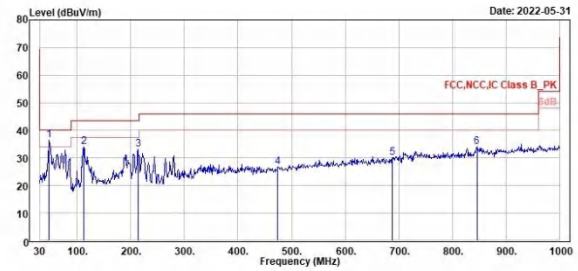
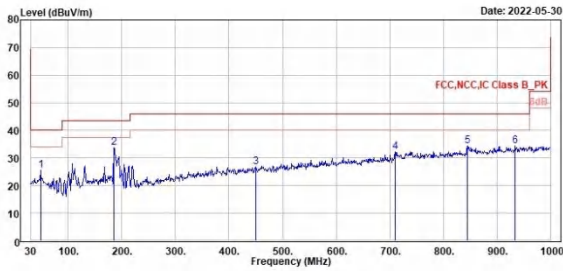
CH1 (Vertical)



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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	48.43	25.68	31.69	-6.09	40.00	-14.40	200	115 QP	Horizontal
2	185.20	33.89	41.94	-8.05	43.50	-9.61	200	251 QP	Horizontal
3	450.01	26.73	28.94	-2.21	46.00	-19.27	200	82 QP	Horizontal
4	709.97	32.25	30.53	1.72	46.00	-13.75	200	233 QP	Horizontal
5	844.80	34.51	30.78	3.73	46.00	-11.49	200	84 QP	Horizontal
6	934.04	34.36	29.12	5.24	46.00	-11.64	100	274 QP	Horizontal

Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	47.46	36.36	42.31	-5.95	40.00	-3.64	200	7 QP	Vertical
2	112.45	34.18	43.44	-9.26	43.50	-9.32	200	199 QP	Vertical
3	213.33	33.20	41.36	-8.16	43.50	-10.30	100	198 QP	Vertical
4	474.26	26.71	28.84	-2.13	46.00	-19.29	100	114 QP	Vertical
5	687.66	30.06	28.58	1.48	46.00	-15.94	100	49 QP	Vertical
6	845.77	34.00	30.27	3.73	46.00	-12.00	200	360 QP	Vertical

Test Results of Radiated Spurious Emissions for ANT 4 (UFL, Non-ECC)

2nd Source

Band Edges, 2.31GHz ~ 2.9GHz

BLE_1M

CH0 (Horizontal) Peak

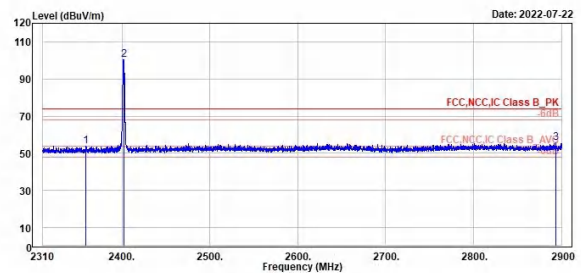
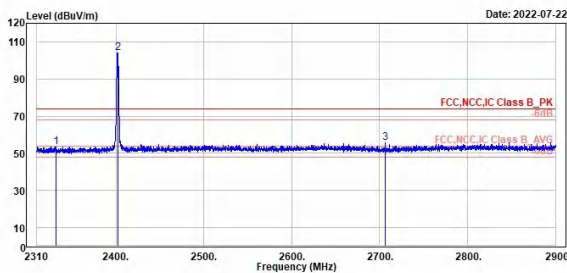
CH0 (Vertical) Peak



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2332.07	53.60	16.29	37.31	74.00	-20.40	312	0	Peak	Horizontal	
2 *	2482.00	104.12	66.49	37.63	74.00	30.12	312	0	Peak	Horizontal	
3	2706.01	55.56	17.65	37.91	74.00	-18.44	312	0	Peak	Horizontal	

Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2359.09	54.01	16.59	37.42	74.00	-19.99	315	90	Peak	Vertical	
2 *	2482.00	100.38	62.75	37.63	74.00	26.38	315	90	Peak	Vertical	
3	2893.51	55.77	17.39	38.38	74.00	-18.23	315	90	Peak	Vertical	

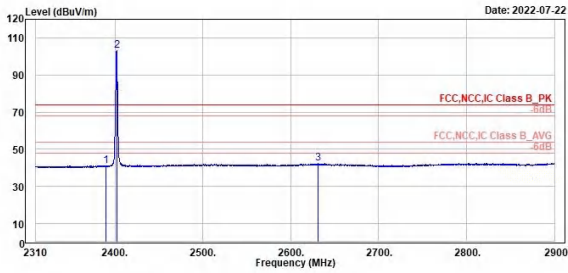
BLE_1M

CH0 (Horizontal) Average

CH0 (Vertical) Average



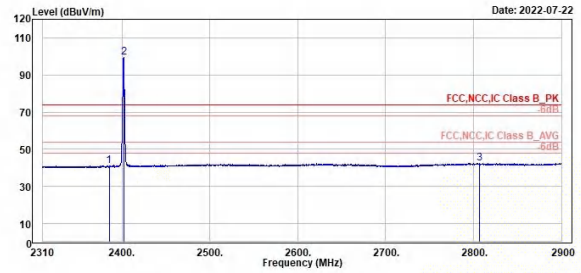
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2390.00	41.09	3.51	37.58	54.00	-12.91	312	0 Average	Horizontal	
2 *	2482.00	103.11	65.46	37.63	54.00	49.11	312	0 Average	Horizontal	
3	2630.72	42.37	4.37	38.00	54.00	-11.63	312	0 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	2385.52	41.12	3.57	37.55	54.00	-12.88	315	90 Average	Vertical	
2 *	2482.00	99.37	61.74	37.63	54.00	45.37	315	90 Average	Vertical	
3	2896.43	42.41	4.21	38.20	54.00	-11.59	315	90 Average	Vertical	

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

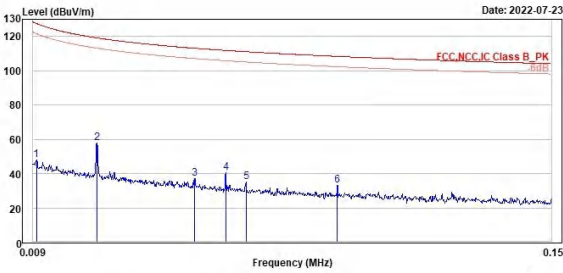
BLE_1M

CH0 (Open) 9kHz~150kHz

CH0 (Open) 150kHz~30MHz



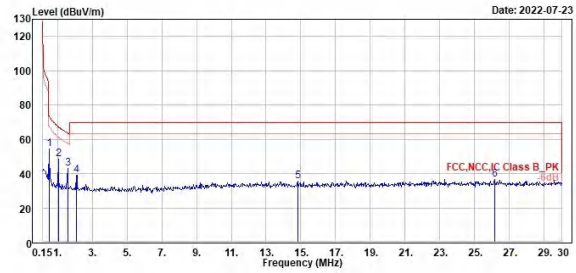
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.01	47.99	38.28	17.71	127.60	-79.61	100	112 QP	Open
2	0.03	57.92	38.73	19.19	119.13	-61.21	100	111 QP	Open
3	0.05	37.14	17.90	19.24	113.11	-75.97	100	341 QP	Open
4	0.06	40.63	21.57	19.06	111.82	-71.19	100	159 QP	Open
5	0.07	35.00	16.06	18.94	111.08	-76.08	100	25 QP	Open
6	0.09	33.23	14.84	18.39	108.34	-75.11	100	156 QP	Open



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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	0.51	54.37	35.42	18.95	73.48	-19.11	100	142 QP	Open
2	1.05	48.43	29.16	19.27	67.22	-18.79	100	171 QP	Open
3	1.58	43.13	23.78	19.35	63.62	-20.44	100	172 QP	Open
4	2.09	39.06	19.64	19.42	69.50	-30.44	100	136 QP	Open
5	14.84	35.63	13.79	21.84	69.50	-33.87	100	313 QP	Open
6	26.15	36.63	14.16	22.47	69.50	-32.87	100	236 QP	Open

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

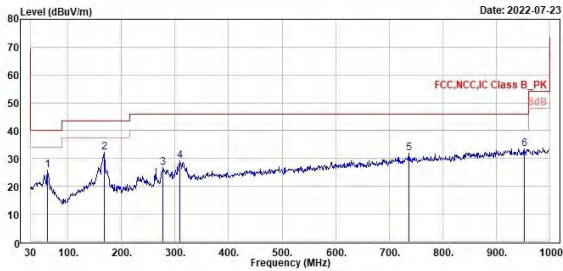
BLE_1M

CH0 (Horizontal)

CH0 (Vertical)



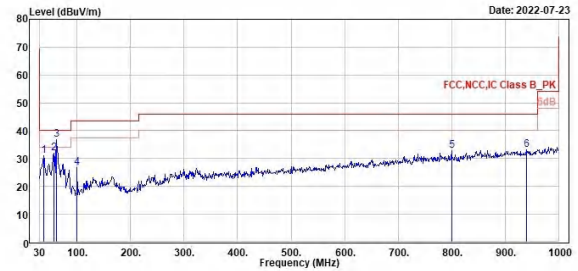
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	62.81	25.97	33.43	-7.46	40.00	-14.03	200	87	QP	Horizontal	
2	167.74	32.27	38.26	-5.99	43.50	-11.23	200	276	QP	Horizontal	
3	277.35	26.87	32.26	-5.39	46.00	-19.13	100	255	QP	Horizontal	
4	309.36	29.08	33.76	-4.68	46.00	-16.92	100	78	QP	Horizontal	
5	737.13	31.86	29.62	2.24	46.00	-14.14	200	334	QP	Horizontal	
6	952.47	33.61	28.06	5.55	46.00	-12.39	100	248	QP	Horizontal	



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	37.76	30.98	37.55	-6.57	40.00	-9.02	100	12	QP	Vertical	
2	57.16	32.01	38.72	-6.71	40.00	-7.99	200	19	QP	Vertical	
3 !	62.81	36.83	44.29	-7.46	40.00	-3.17	200	19	QP	Vertical	
4	99.84	26.91	38.21	-11.30	43.50	-16.59	100	104	QP	Vertical	
5	800.18	32.96	29.78	3.18	46.00	-13.04	200	274	QP	Vertical	
6	939.86	33.11	27.86	5.25	46.00	-12.89	400	113	QP	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

BLE_1M

CH0 (Horizontal)

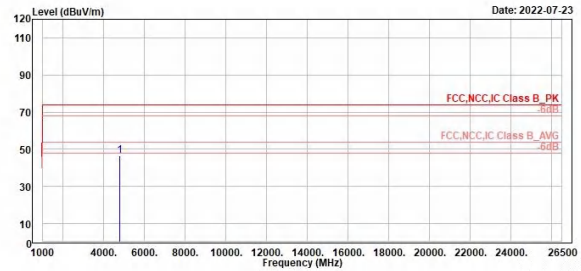
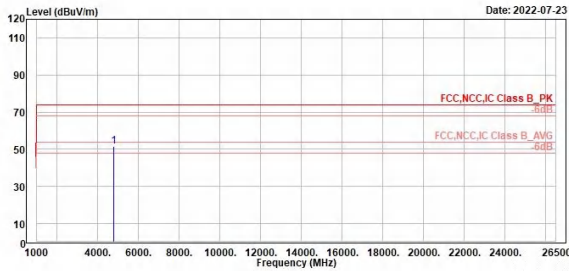
CH0 (Vertical)



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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	4884.00	51.55	61.42	-9.87	74.00	-22.45	300	273	Peak	Horizontal	

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	4884.00	46.72	56.59	-9.87	74.00	-27.28	400	30	Peak	Vertical	

Mains Conducted Emission for ANT 4, 150kHz ~ 30MHz

Worst Band (Non-ECC)

(Line)

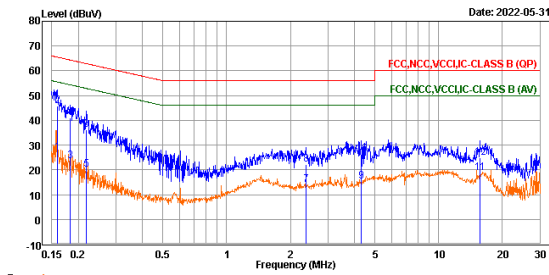
(Neutral)



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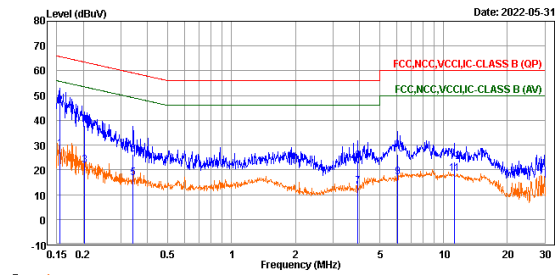


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Trace: 1

Line	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor	Limit (dB)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.16	26.84	17.23	9.61	55.50	-28.66	Average	line1	
2	0.16	45.69	36.08	9.61	65.50	-19.81	QP	line1	
3	0.18	23.57	13.96	9.61	54.39	-30.82	Average	line1	
4	0.18	41.02	31.41	9.61	64.39	-23.37	QP	line1	
5	0.22	20.11	10.50	9.61	52.90	-32.79	Average	line1	
6	0.22	36.25	26.64	9.61	62.90	-26.65	QP	line1	
7	2.36	13.88	4.23	9.65	46.00	-32.12	Average	line1	
8	2.36	22.07	12.42	9.65	56.00	-33.93	QP	line1	
9	4.32	15.34	5.66	9.68	46.00	-30.66	Average	line1	
10	4.32	26.21	16.53	9.68	56.00	-29.79	QP	line1	
11	15.62	18.65	8.92	9.73	50.00	-31.35	Average	line1	
12	15.62	24.91	15.18	9.73	60.00	-35.09	QP	line1	



Trace: 1

Line	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor	Limit (dB)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.16	28.22	18.63	9.59	55.71	-27.49	Average	neutral	
2	0.16	45.92	36.33	9.59	65.71	-19.79	QP	neutral	
3	0.20	21.99	12.40	9.59	53.47	-31.48	Average	neutral	
4	0.20	37.82	28.23	9.59	63.47	-25.65	QP	neutral	
5	0.34	16.55	6.96	9.59	49.13	-32.58	Average	neutral	
6	0.34	26.36	16.77	9.59	59.13	-32.77	QP	neutral	
7	3.95	13.23	3.57	9.66	46.00	-32.77	Average	neutral	
8	3.95	23.55	13.89	9.66	56.00	-32.45	QP	neutral	
9	6.09	17.10	7.41	9.69	50.00	-32.90	Average	neutral	
10	6.09	26.28	16.59	9.69	60.00	-33.72	QP	neutral	
11	11.24	18.25	8.50	9.75	50.00	-31.75	Average	neutral	
12	11.24	23.24	13.49	9.75	60.00	-36.76	QP	neutral	

Test Results of Radiated Spurious Emissions & Mains Conducted

Emission Test for ANT 5 (UFL, ECC)

Band Edges, 2.31GHz ~ 2.9GHz

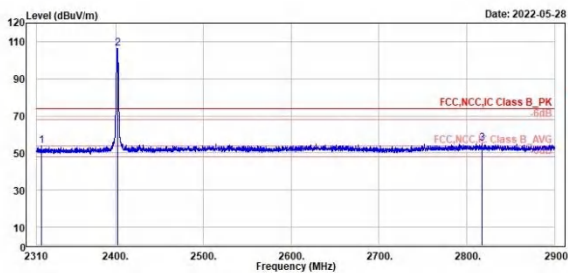
BLE_1M

CH0 (Horizontal) Peak

CH0 (Vertical) Peak



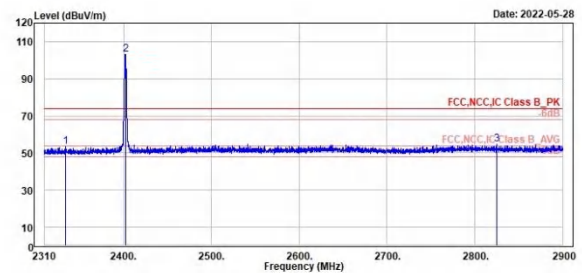
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2315.31	53.62	16.36	37.26	74.00	-20.38	277	70	Peak	Horizontal	
2 *	2402.00	106.20	68.57	37.63	74.00	32.20	277	70	Peak	Horizontal	
3	2817.05	55.17	16.98	38.19	74.00	-18.83	277	70	Peak	Horizontal	



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2333.60	53.29	15.97	37.32	74.00	-20.71	314	166	Peak	Vertical	
2 *	2402.00	103.01	65.38	37.63	74.00	29.01	314	166	Peak	Vertical	
3	2825.19	54.76	16.58	38.18	74.00	-19.24	314	166	Peak	Vertical	

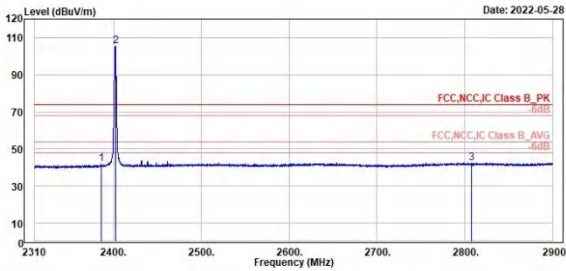
BLE_1M

CH0 (Horizontal) Average

CH0 (Vertical) Average



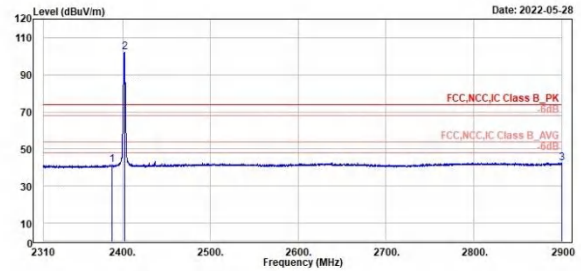
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1	2	3							
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
2386.23	41.88	4.32	37.56	54.00	-12.12	277	70 Average	Horizontal	
2482.00	185.27	67.64	37.63	54.00	51.27	277	70 Average	Horizontal	
2807.84	42.52	4.33	38.19	54.00	-11.48	277	70 Average	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		
2387.76	41.43	3.86	37.57	54.00	-12.57	314	166 Average	Vertical	
2482.00	182.08	64.45	37.63	54.00	48.08	314	166 Average	Vertical	
2899.88	42.54	4.12	38.42	54.00	-11.46	314	166 Average	Vertical	

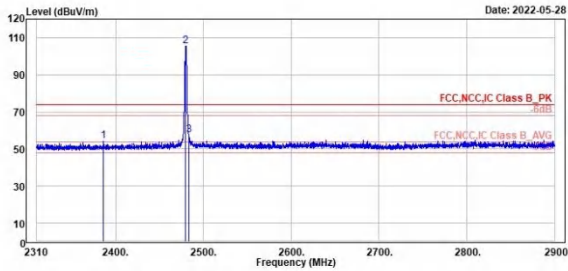
BLE_1M

CH39 (Horizontal) Peak

CH39 (Vertical) Peak



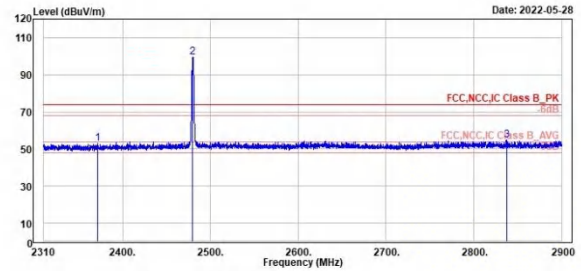
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2386.46	54.18	16.61	37.57	74.00	-19.82	233	72	Peak	Horizontal	
2 *	2488.00	185.22	67.43	37.79	74.00	31.22	233	72	Peak	Horizontal	
3	2483.58	57.62	19.82	37.80	74.00	-16.38	233	72	Peak	Horizontal	



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2371.48	53.11	15.62	37.49	74.00	-20.89	324	185	Peak	Vertical	
2 *	2488.00	99.68	61.89	37.79	74.00	25.68	324	185	Peak	Vertical	
3	2837.11	54.80	16.62	38.18	74.00	-19.20	324	185	Peak	Vertical	

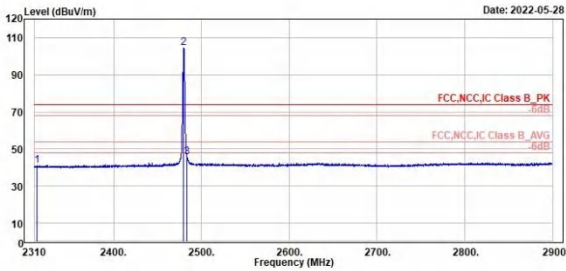
BLE_1M

CH39 (Horizontal) Average

CH39 (Vertical) Average



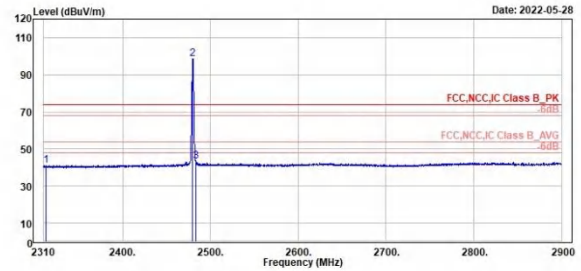
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Freq	Level	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note								
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg											
1	2312.60	41.22	3.96	37.26	54.00	-12.78	233	72	Average	Horizontal									
2	2488.00	184.26	66.47	37.79	54.00	59.26	233	72	Average	Horizontal									
3	2483.46	45.84	8.04	37.80	54.00	-8.16	233	72	Average	Horizontal									



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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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	2312.60	41.24	3.98	37.26	54.00	-12.76	324	185	Average	Vertical									
2	2488.00	98.76	60.97	37.79	54.00	44.76	324	185	Average	Vertical									
3	2483.58	43.17	5.37	37.80	54.00	-10.83	324	185	Average	Vertical									

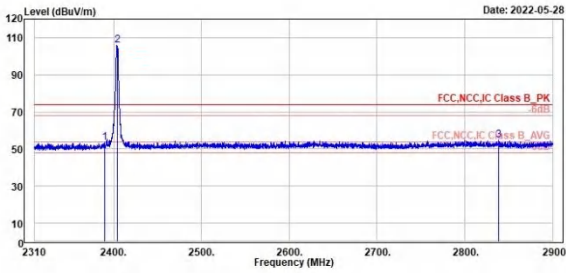
BLE_2M

CH1 (Horizontal) Peak

CH1 (Vertical) Peak



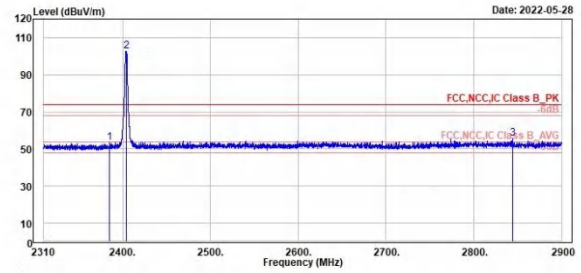
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2389.65	53.28	15.70	37.58	74.00	-20.72	277	67	Peak	Horizontal	
2	2404.00	185.75	68.11	37.64	74.00	31.75	277	67	Peak	Horizontal	
3	2838.29	54.94	16.77	38.17	74.00	-19.06	277	67	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	2384.93	53.50	15.95	37.55	74.00	-20.50	349	177	Peak	Vertical	
2	2404.00	102.70	65.06	37.64	74.00	28.70	349	177	Peak	Vertical	
3	2843.95	55.58	17.41	38.17	74.00	-18.42	349	177	Peak	Vertical	

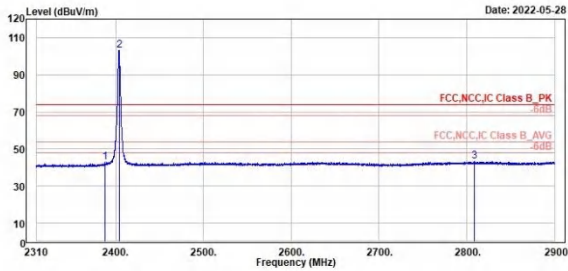
BLE_2M

CH1 (Horizontal) Average

CH1 (Vertical) Average



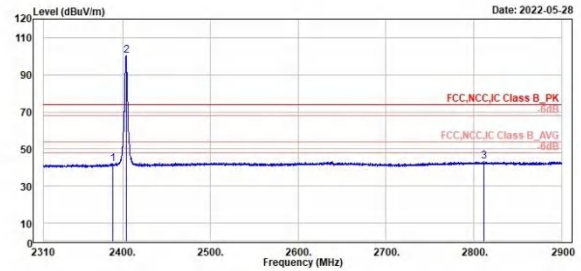
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1	2	3
2387.64	2404.00	2888.79
42.79	183.33	43.20
5.22	65.69	5.01
37.57	37.64	38.19
54.00	54.00	54.00
-11.21	49.33	-10.80
277	277	277
67	67	67
Average	Average	Average
Horizontal	Horizontal	Horizontal



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1	2	3
2389.30	2404.00	2811.74
41.84	100.23	43.24
4.26	62.59	5.04
37.58	37.64	38.20
54.00	54.00	54.00
-12.16	46.23	-10.76
349	349	349
177	177	177
Average	Average	Average
Vertical	Vertical	Vertical

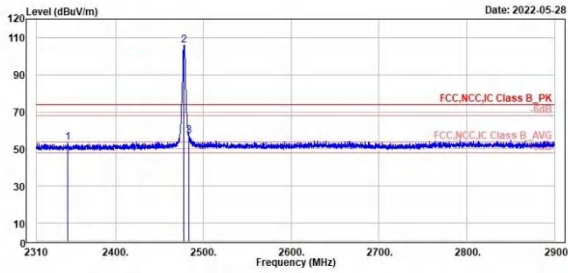
BLE_2M

CH38 (Horizontal) Peak

CH38 (Vertical) Peak



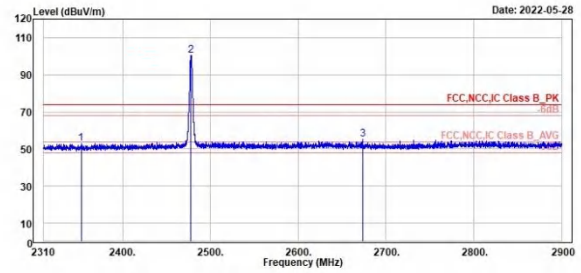
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2345.05	53.22	15.06	37.36	74.00	-20.78	235	88	Peak	Horizontal	
2	2478.00	105.75	67.97	37.78	74.00	31.75	235	88	Peak	Horizontal	
3	2483.81	57.21	19.41	37.80	74.00	-16.79	235	88	Peak	Horizontal	



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2352.72	52.00	15.41	37.39	74.00	-21.20	330	163	Peak	Vertical	
2	2478.00	100.51	62.73	37.78	74.00	26.51	330	163	Peak	Vertical	
3	2673.79	55.14	17.18	37.96	74.00	-18.86	330	163	Peak	Vertical	

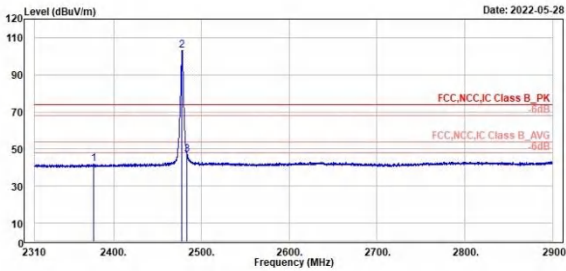
BLE_2M

CH38 (Horizontal) Average

CH38 (Vertical) Average



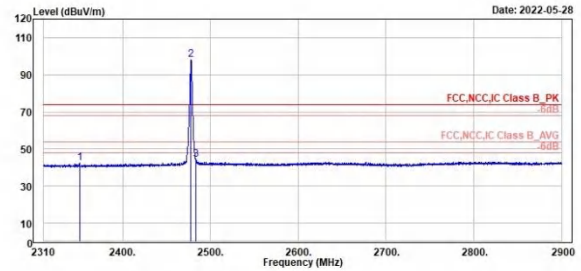
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1	2	3
2376.91	2478.00	2483.81
41.97	183.31	47.16
4.46	65.53	9.36
37.51	37.78	37.80
54.00	54.00	54.00
-12.03	49.31	-6.84
235	235	235
88	88	88
Average	Average	Average
Horizontal	Horizontal	Horizontal



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1	2	3
2359.83	2478.00	2483.58
42.25	98.06	44.20
4.88	60.28	6.40
37.37	37.78	37.80
54.00	54.00	54.00
-11.75	44.06	-9.80
330	330	330
163	163	163
Average	Average	Average
Vertical	Vertical	Vertical

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

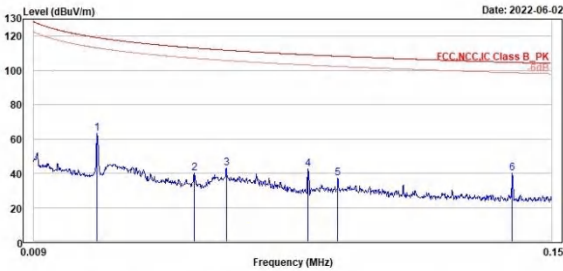
BLE_1M

CH19 (Open) 9kHz~150kHz

CH19 (Open) 150kHz~30MHz



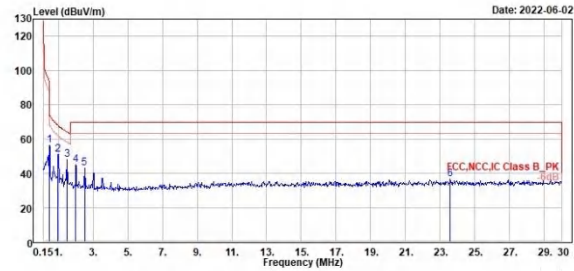
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.03	63.17	43.99	19.18	119.18	-56.01	100	5	QP	Open
2	0.05	39.86	28.61	19.25	113.16	-73.30	100	168	QP	Open
3	0.06	42.88	23.82	19.06	111.82	-68.94	100	318	QP	Open
4	0.08	42.33	23.76	18.57	109.14	-66.81	100	171	QP	Open
5	0.09	37.08	18.69	18.39	108.34	-71.26	100	174	QP	Open
6	0.14	40.17	21.81	18.36	104.72	-64.55	100	179	QP	Open



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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	0.48	56.13	37.18	18.95	94.01	-37.08	100	160	QP	Open
2	0.99	51.01	31.75	19.26	67.73	-16.72	100	156	QP	Open
3	1.49	47.79	28.45	19.34	64.12	-16.33	100	156	QP	Open
4	2.00	45.19	25.78	19.41	69.50	-24.31	100	151	QP	Open
5	2.51	42.91	23.44	19.47	69.50	-26.59	100	167	QP	Open
6	23.58	36.44	14.08	22.36	69.50	-33.06	100	64	QP	Open