

Appendix B: Test Results of Radiated Spurious Emissions & Mains

Conducted Emission Test

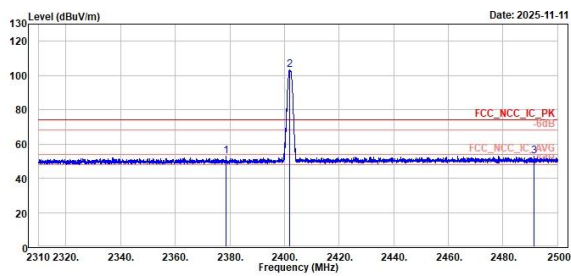
Band Edges, 2.31GHz ~ 2.5GHz

GFSK

Low Channel (Horizontal) Peak



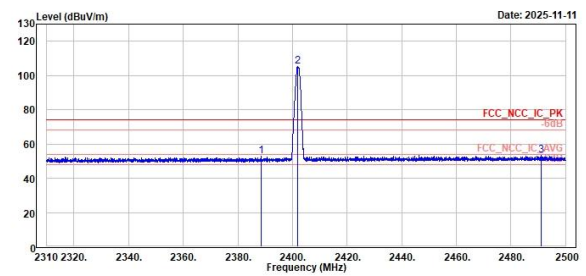
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2370.55	52.77	48.09	4.68	74.00	-21.23	269	262	Peak	Horizontal		
2 *	2402.00	103.29	98.42	4.87	74.00	29.29	269	262	Peak	Horizontal		
3	2491.30	52.65	47.54	5.11	74.00	-21.35	269	262	Peak	Horizontal		



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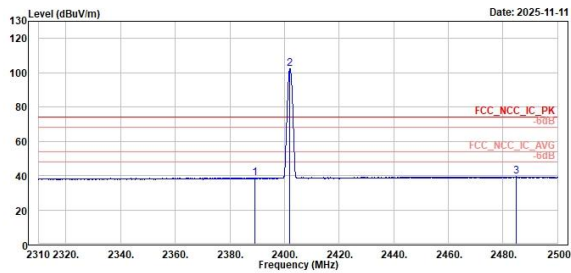
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2380.51	52.65	47.09	4.76	74.00	-21.35	324	297	Peak	Vertical		
2 *	2402.00	103.29	100.39	4.87	74.00	31.26	324	297	Peak	Vertical		
3	2490.96	53.21	48.10	5.11	74.00	-20.79	324	297	Peak	Vertical		

GFSK

Low Channel (Horizontal) Average



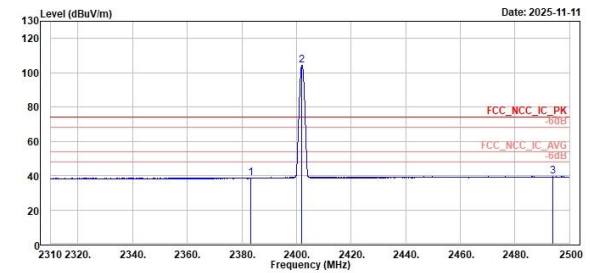
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Low Channel (Vertical) Average



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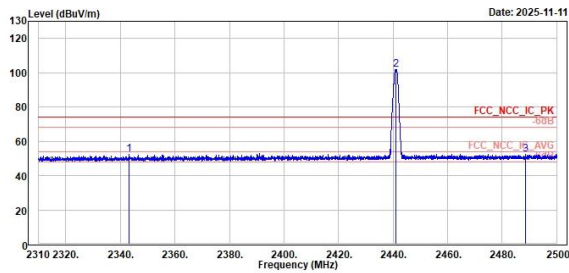


GFSK

Middle Channel (Horizontal) Peak



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Tel: +886-2172-1000 Fax: +886-2172-1322

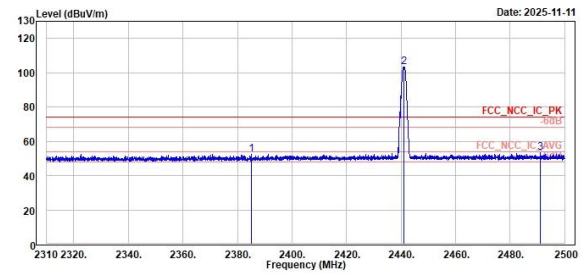


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2343.29	52.31	47.89	4.42	74.00	-21.69	266	268	Peak	Horizontal		
2 *	2441.00	101.96	96.92	5.04	74.00	27.96	266	268	Peak	Horizontal		
3	2488.52	52.52	47.41	5.11	74.00	-21.48	266	268	Peak	Horizontal		

Middle Channel (Vertical) Peak



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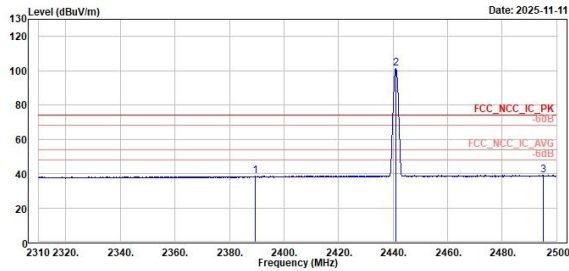
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2385.01	52.51	47.78	4.73	74.00	-21.49	348	284	Peak	Vertical		
2 *	2441.00	103.37	98.33	5.04	74.00	29.37	348	284	Peak	Vertical		
3	2491.11	53.23	48.12	5.11	74.00	-20.77	348	284	Peak	Vertical		

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Middle Channel (Horizontal) Average



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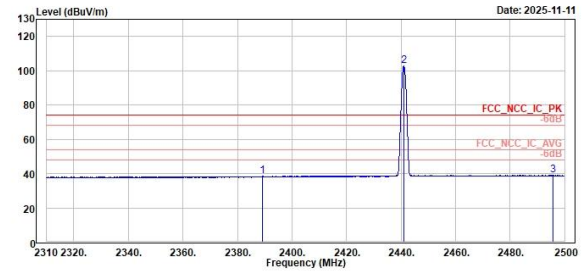


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.46	38.31	33.54	4.77	54.00	-15.69	266	268	Average	Horizontal		
2 *	2441.00	101.18	96.14	5.04	54.00	47.18	266	268	Average	Horizontal		
3	2495.10	39.12	34.02	5.10	54.00	-14.88	266	268	Average	Horizontal		

Middle Channel (Vertical) Average



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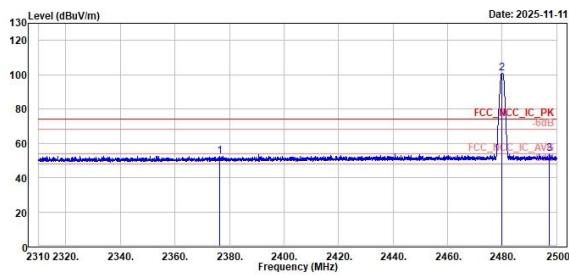
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.31	38.42	33.66	4.76	54.00	-15.58	348	284	Average	Vertical		
2 *	2441.00	102.77	97.73	5.04	54.00	48.77	348	284	Average	Vertical		
3	2495.59	39.06	33.95	5.11	54.00	-14.94	348	284	Average	Vertical		

GFSK

High Channel (Horizontal) Peak



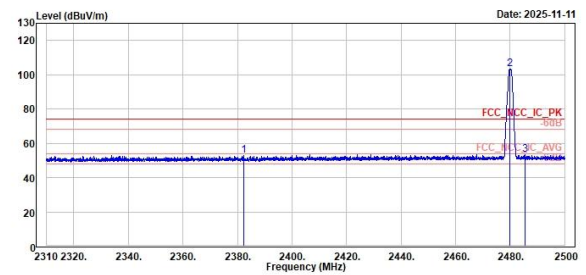
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2376.54	52.51	47.86	4.65	74.00	-21.49	258	266	Peak	Horizontal		
2 *	2480.00	101.00	95.90	5.10	74.00	27.00	258	266	Peak	Horizontal		
3	2497.30	53.73	48.62	5.11	74.00	-20.27	258	266	Peak	Horizontal		



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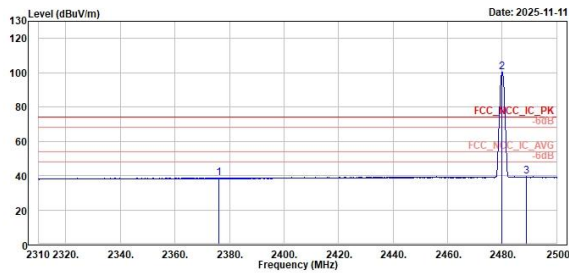
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2382.24	52.95	48.24	4.71	74.00	-21.05	337	291	Peak	Vertical		
2 *	2480.00	103.45	98.35	5.10	74.00	29.45	337	291	Peak	Vertical		
3	2485.52	53.15	48.05	5.10	74.00	-20.85	337	291	Peak	Vertical		

GFSK

High Channel (Horizontal) Average



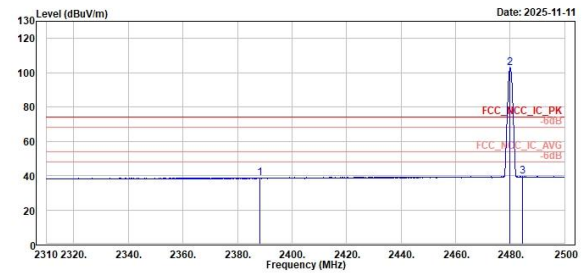
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2376.00	38.64	33.99	4.65	54.00	-15.36	258	266	Average	Horizontal		
2 *	2488.00	100.29	95.19	5.10	54.00	46.29	258	266	Average	Horizontal		
3	2488.94	39.33	34.22	5.11	54.00	-14.67	258	266	Average	Horizontal		



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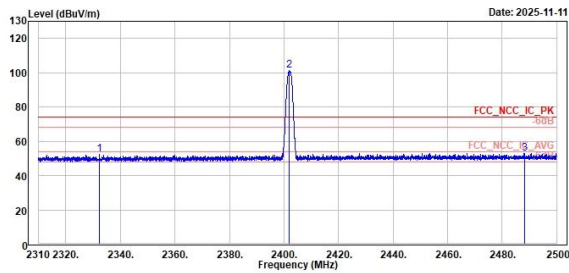
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1	2388.00	38.69	33.04	4.75	54.00	-15.31	337	291	Average	Vertical		
2 *	2488.00	102.76	97.66	5.10	54.00	48.76	337	291	Average	Vertical		
3	2484.50	39.41	34.31	5.10	54.00	-14.59	337	291	Average	Vertical		

8DPSK

Low Channel (Horizontal) Peak



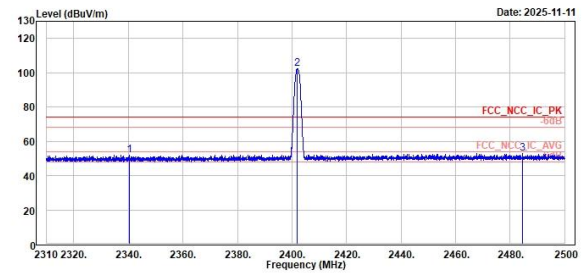
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2332.38	52.32	47.93	4.39	74.00	-21.68	270	266	Peak	Horizontal		
2 *	2402.00	101.12	96.25	4.87	74.00	27.12	270	266	Peak	Horizontal		
3	2488.14	52.91	47.80	5.11	74.00	-21.09	270	266	Peak	Horizontal		



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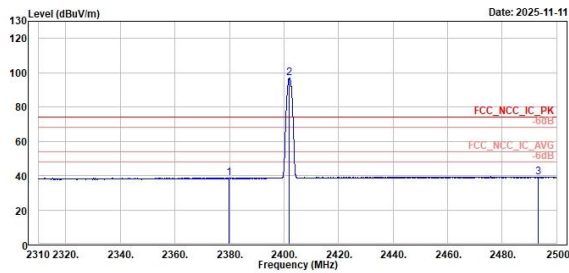
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2340.44	52.14	47.74	4.40	74.00	-21.86	325	298	Peak	Vertical		
2 *	2402.00	102.25	97.38	4.87	74.00	28.25	325	298	Peak	Vertical		
3	2484.57	52.69	47.59	5.10	74.00	-21.31	325	298	Peak	Vertical		

8DPSK

Low Channel (Horizontal) Average



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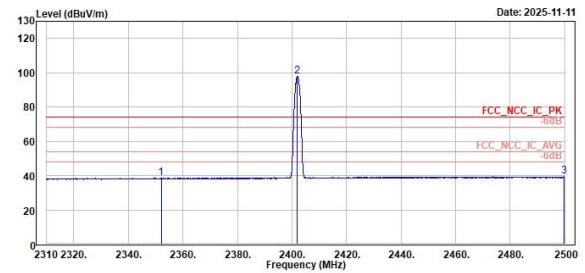


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2379.96	38.68	33.99	4.69	54.00	-15.32	270	266	Average	Horizontal		
2 *	2402.00	96.88	92.01	4.87	54.00	42.88	270	266	Average	Horizontal		
3	2493.35	39.24	34.14	5.10	54.00	-14.76	270	266	Average	Horizontal		

Low Channel (Vertical) Average



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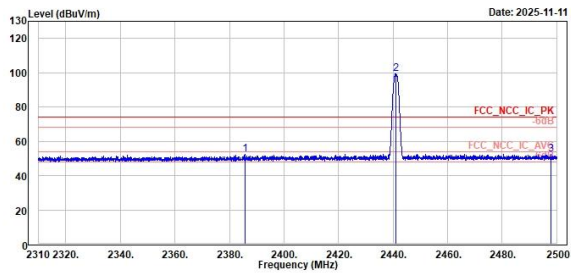
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2352.03	38.65	34.19	4.46	54.00	-15.35	325	298	Average	Vertical		
2 *	2402.00	97.98	93.09	4.87	54.00	43.98	325	298	Average	Vertical		
3	2499.73	39.36	34.25	5.11	54.00	-14.64	325	298	Average	Vertical		

8DPSK

Middle Channel (Horizontal) Peak



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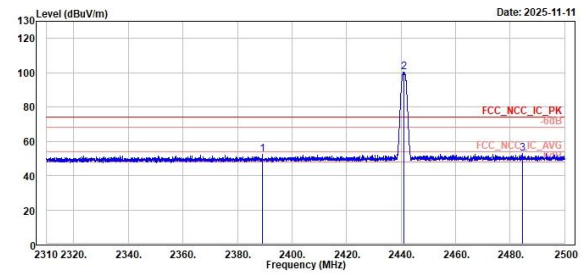


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2385.81	52.47	47.73	4.74	74.00	-21.53	262	265	Peak	Horizontal		
2 *	2441.00	99.35	94.31	5.04	74.00	25.35	262	265	Peak	Horizontal		
3	2497.83	52.26	47.15	5.11	74.00	-21.74	262	265	Peak	Horizontal		

Middle Channel (Vertical) Peak



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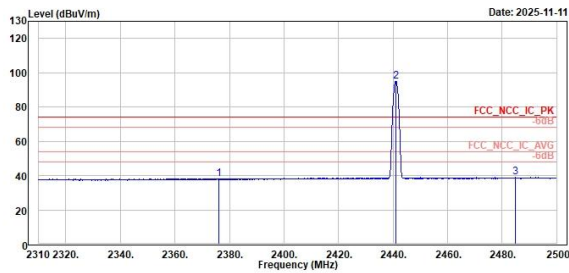
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.12	52.24	47.48	4.76	74.00	-21.76	350	285	Peak	Vertical		
2 *	2441.00	100.34	95.30	5.04	74.00	26.34	350	285	Peak	Vertical		
3	2484.46	53.05	47.95	5.10	74.00	-20.95	350	285	Peak	Vertical		

8DPSK

Middle Channel (Horizontal) Average



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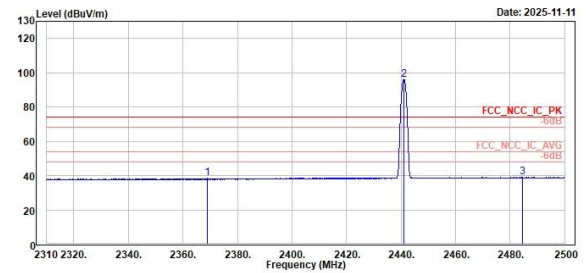


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2376.12	38.23	33.58	4.65	54.00	-15.77	262	265	Average	Horizontal		
2 *	2441.00	95.12	90.08	5.04	54.00	41.12	262	265	Average	Horizontal		
3	2484.84	38.92	33.82	5.10	54.00	-15.08	262	265	Average	Horizontal		

Middle Channel (Vertical) Average



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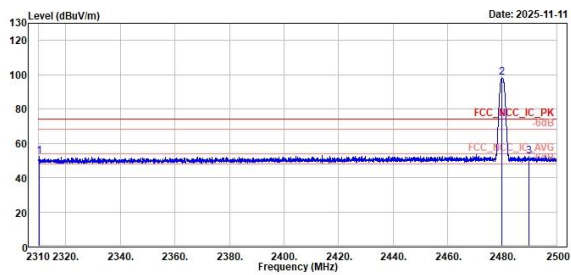
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1	2369.98	38.32	33.72	4.60	54.00	-15.68	350	285	Average	Vertical		
2 *	2441.00	96.10	91.06	5.04	54.00	42.10	350	285	Average	Vertical		
3	2484.61	38.95	33.85	5.10	54.00	-15.05	350	285	Average	Vertical		

8DPSK

High Channel (Horizontal) Peak



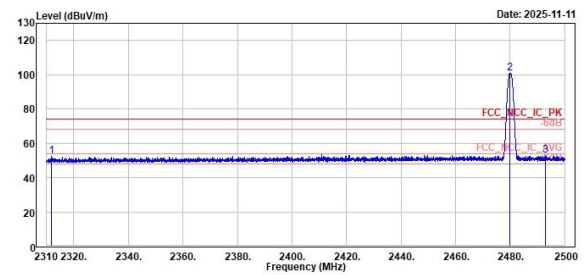
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	2310.23	52.23	47.90	4.33	74.00	-21.77	258	265	Peak	Horizontal		
2 *	2480.00	98.12	93.02	5.10	74.00	24.12	258	265	Peak	Horizontal		
3	2489.82	52.64	47.53	5.11	74.00	-21.36	258	265	Peak	Horizontal		



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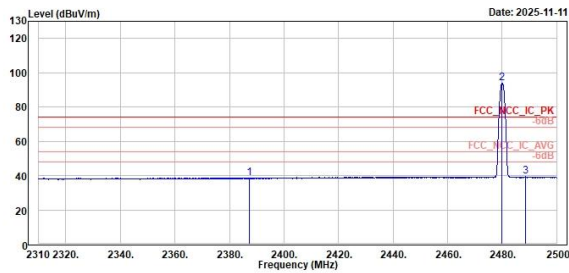
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	2311.75	52.41	48.08	4.33	74.00	-21.59	340	293	Peak	Vertical		
2 *	2480.00	100.81	95.71	5.10	74.00	26.81	340	293	Peak	Vertical		
3	2492.82	52.65	47.55	5.10	74.00	-21.35	340	293	Peak	Vertical		

8DPSK

High Channel (Horizontal) Average



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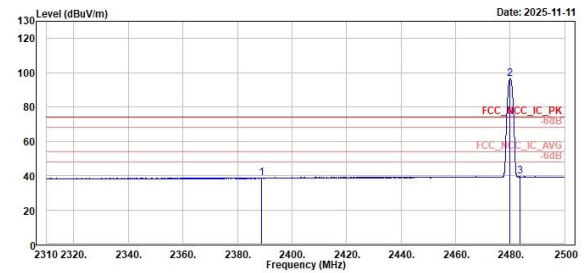


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2387.41	38.65	33.89	4.76	54.00	-15.35	258	265	Average	Horizontal		
2 *	2488.00	93.81	88.71	5.10	54.00	39.81	258	265	Average	Horizontal		
3	2488.45	39.30	34.19	5.11	54.00	-14.70	258	265	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	2388.74	38.70	33.04	4.76	54.00	-15.30	340	293	Average	Vertical		
2 *	2488.00	96.61	91.51	5.10	54.00	42.61	340	293	Average	Vertical		
3	2483.58	39.38	34.28	5.10	54.00	-14.62	340	293	Average	Vertical		

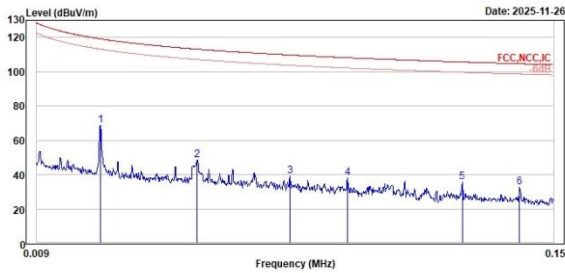
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

GFSK

Middle Channel (Open) 9kHz~150kHz



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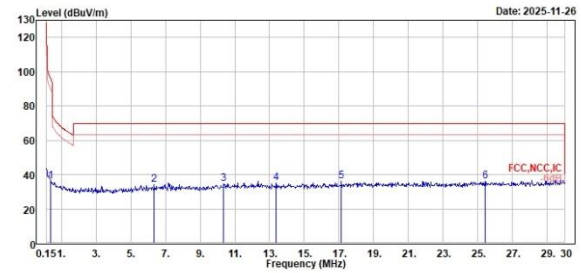


Peak	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.03	68.68	48.77	19.83	119.13	-50.53	100	6 Peak	Open	
2	0.05	48.36	29.65	18.71	113.13	-64.77	100	6 Peak	Open	
3	0.08	39.19	20.91	18.28	109.74	-70.55	100	258 Peak	Open	
4	0.09	38.09	20.07	18.02	108.16	-70.07	100	315 Peak	Open	
5	0.13	35.67	17.49	18.18	105.66	-69.99	100	207 Peak	Open	
6	0.14	32.69	14.42	18.27	104.63	-71.94	100	21 Peak	Open	

Middle Channel (Open) 150kHz~30MHz



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Peak	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.39	36.29	17.65	18.64	95.81	-59.52	100	360 Peak	Open	
2	6.36	33.96	13.22	20.74	69.50	-35.54	100	29 Peak	Open	
3	10.36	34.83	13.46	21.37	69.50	-34.67	100	360 Peak	Open	
4	13.37	35.33	13.79	21.54	69.50	-34.17	100	116 Peak	Open	
5	17.13	36.07	13.74	22.33	69.50	-33.43	100	328 Peak	Open	
6	25.40	36.01	12.93	23.08	69.50	-33.49	100	222 Peak	Open	

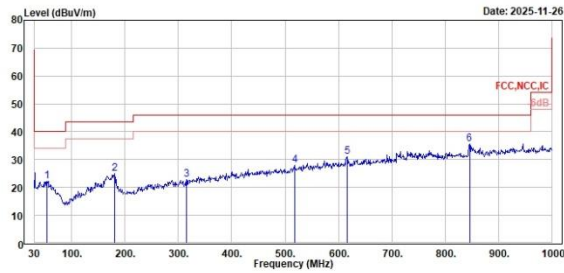
Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

GFSK

Middle Channel (Horizontal)



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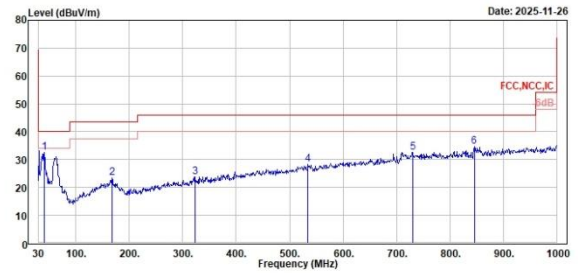


	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	53.28	22.35	28.99	-6.64	40.00	-17.65	200	330 Peak	Horizontal	
2	180.35	24.91	32.56	-7.65	43.50	-18.59	200	67 Peak	Horizontal	
3	315.18	22.77	28.39	-5.62	46.00	-23.23	117	360 Peak	Horizontal	
4	517.91	27.84	29.21	-1.37	46.00	-18.16	185	360 Peak	Horizontal	
5	615.88	31.05	30.40	0.65	46.00	-14.95	200	261 Peak	Horizontal	
6	845.77	35.67	31.59	4.08	46.00	-10.33	200	185 Peak	Horizontal	

Middle Channel (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	40.67	32.49	39.75	-7.26	40.00	-7.51	100	7 Peak	Vertical	
2	167.74	23.35	29.78	-6.43	43.50	-20.15	200	88 Peak	Vertical	
3	322.94	23.81	29.08	-5.27	46.00	-22.19	200	221 Peak	Vertical	
4	534.40	28.23	29.17	-0.94	46.00	-17.77	133	360 Peak	Vertical	
5	730.34	32.47	29.83	2.64	46.00	-13.53	100	44 Peak	Vertical	
6	845.77	34.55	30.47	4.08	46.00	-11.45	200	299 Peak	Vertical	

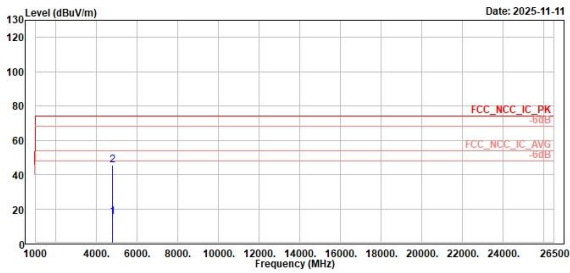
Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

GFSK

Low Channel (Horizontal)



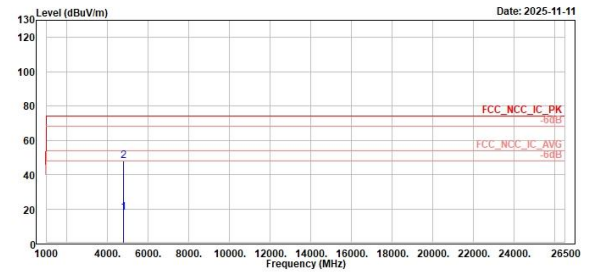
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Low Channel (Vertical)



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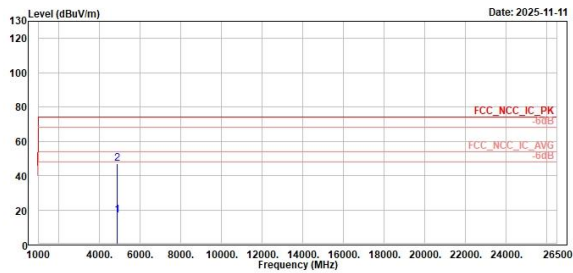


GFSK

Middle Channel (Horizontal)



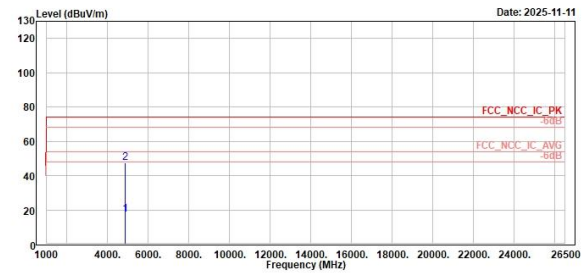
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4882.00	16.93	8.15	8.68	54.00	-37.17	283	193	Average	Horizontal	CF	
2	4882.00	46.93	38.25	8.68	74.00	-27.07	283	193	Peak	Horizontal		



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4882.00	17.18	8.50	8.68	54.00	-36.82	180	308	Average	Vertical	CF	
2	4882.00	47.28	38.60	8.68	74.00	-26.72	180	308	Peak	Vertical		

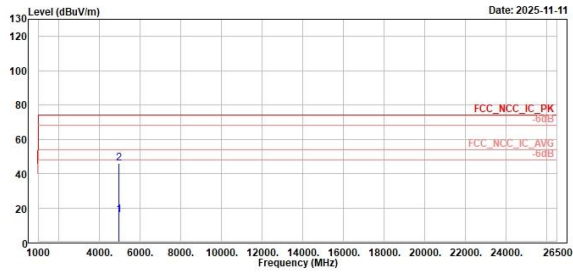
GFSK

High Channel (Horizontal)

High Channel (Vertical)



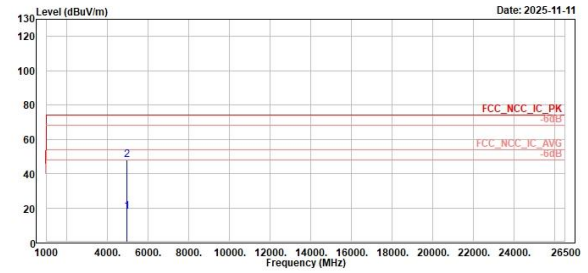
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	15.93	7.05	8.88	54.00	-38.07	150	360	Average	Horizontal	CF	
2	4960.00	46.03	37.15	8.88	74.00	-27.97	150	360	Peak	Horizontal		



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	17.73	8.85	8.88	54.00	-36.27	280	210	Average	Vertical	CF	
2	4960.00	47.03	38.95	8.88	74.00	-26.17	280	210	Peak	Vertical		

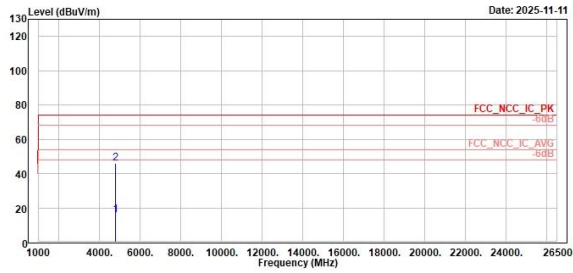
8DPSK

Low Channel (Horizontal)

Low Channel (Vertical)



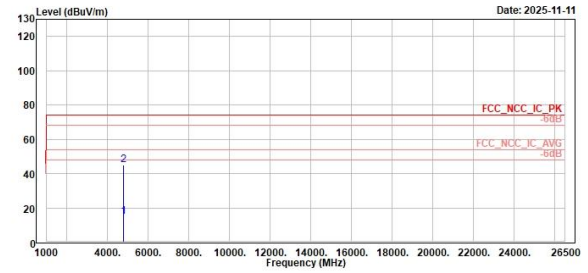
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4894.00	15.74	7.30	8.44	54.00	-38.26	180	70	Average	Horizontal	CF	
2	4894.00	45.84	37.40	8.44	74.00	-28.16	180	70	Peak	Horizontal		



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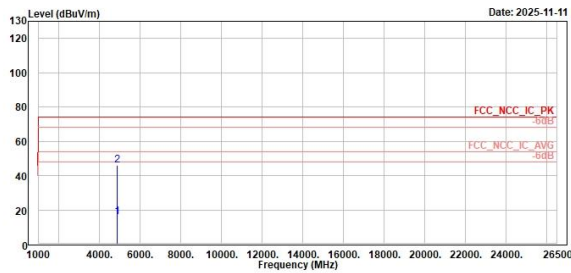
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4894.00	15.01	6.57	8.44	54.00	-38.99	269	164	Average	Vertical	CF	
2	4894.00	45.11	36.67	8.44	74.00	-28.89	269	164	Peak	Vertical		

8DPSK

Middle Channel (Horizontal)



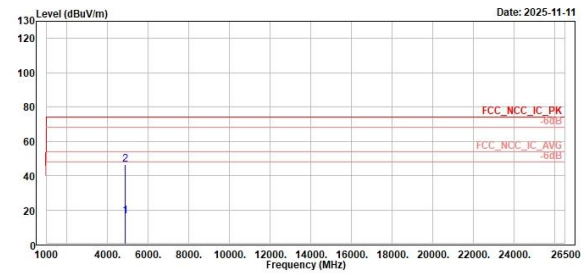
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4882.00	15.78	7.10	8.68	54.00	-38.22	134	360	Average	Horizontal	CF	
2	4882.00	45.88	37.20	8.68	74.00	-28.12	134	360	Peak	Horizontal		



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4882.00	16.30	7.62	8.68	54.00	-37.70	276	360	Average	Vertical	CF	
2	4882.00	46.40	37.72	8.68	74.00	-27.60	276	360	Peak	Vertical		

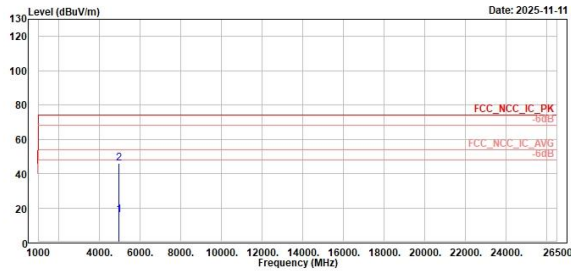
8DPSK

High Channel (Horizontal)

High Channel (Vertical)



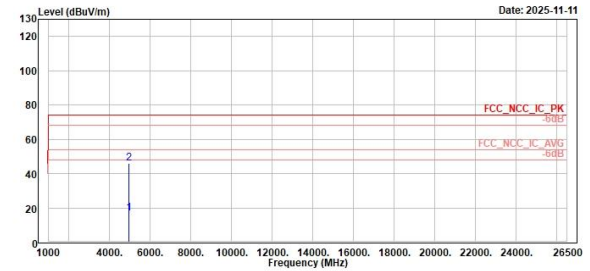
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	15.90	7.02	8.88	54.00	-38.10	136	360	Average	Horizontal	CF	
2	4960.00	46.00	37.12	8.88	74.00	-28.00	136	360	Peak	Horizontal		



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	16.70	7.02	8.88	54.00	-37.30	100	360	Average	Vertical	CF	
2	4960.00	46.17	37.29	8.88	74.00	-27.03	100	360	Peak	Vertical		

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

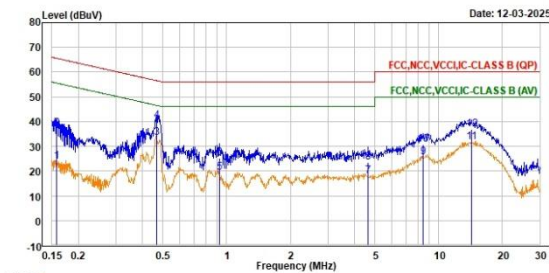
Worst Band

(Line)

(Neutral)



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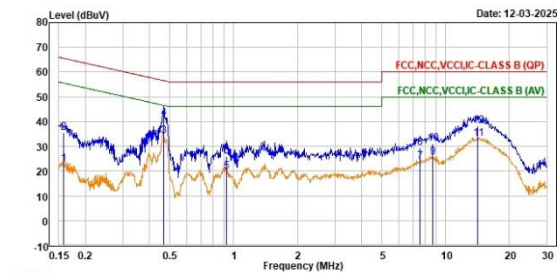


Trace: 1

	Freq	Level	Read	Limit	Over		
	MHz	dBuV	Level Factor	Line	Limit	Remark	Pol/Phase Note
	MHz	dBuV	dB	dBuV	dB		
1	0.16	23.85	14.22	9.63	55.59	-31.74 Average	line1
2	0.16	37.34	27.71	9.63	65.59	-28.25 QP	line1
3	0.47	33.43	23.80	9.63	46.52	-13.09 Average	line1
4	0.47	40.27	30.64	9.63	56.52	-16.25 QP	line1
5	0.93	19.43	9.79	9.64	46.00	-26.57 Average	line1
6	0.93	25.40	15.76	9.64	56.00	-30.60 QP	line1
7	4.65	18.16	8.47	9.69	46.00	-27.84 Average	line1
8	4.65	23.58	13.09	9.69	56.00	-32.42 QP	line1
9	8.42	25.73	16.00	9.73	50.00	-24.27 Average	line1
10	8.42	30.81	21.08	9.73	60.00	-29.19 QP	line1
11	14.28	31.61	21.86	9.75	50.00	-18.39 Average	line1
12	14.28	36.75	27.00	9.75	60.00	-23.25 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	22.90	13.26	9.64	55.54	-32.64 Average	neutral
2	0.16	35.61	25.97	9.64	65.54	-29.93 QP	neutral
3	0.47	34.24	24.61	9.63	46.52	-12.28 Average	neutral
4	0.47	41.33	31.70	9.63	56.52	-15.19 QP	neutral
5	0.93	19.78	10.14	9.64	46.00	-26.22 Average	neutral
6	0.93	25.99	16.35	9.64	56.00	-30.01 QP	neutral
7	7.58	23.80	14.05	9.75	50.00	-26.20 Average	neutral
8	7.58	29.22	19.47	9.75	60.00	-30.78 QP	neutral
9	8.67	25.58	15.82	9.76	50.00	-24.42 Average	neutral
10	8.67	31.19	21.43	9.76	60.00	-28.81 QP	neutral
11	14.20	33.18	23.36	9.82	50.00	-16.82 Average	neutral
12	14.20	38.33	28.51	9.82	60.00	-21.67 QP	neutral