

Appendix B: Test Results of Radiated Spurious Emissions & Mains Conducted Emission for Monopole Antenna of Kaga FEI

Ant No.: 1

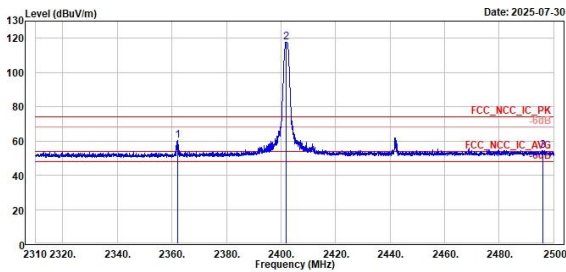
Band Edges, 2.31GHz ~ 2.5GHz

GFSK

Low Channel (Horizontal) Peak



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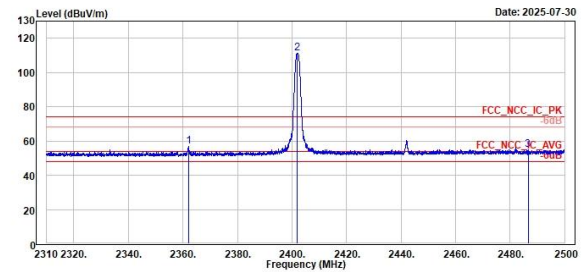


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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2362.187	68.49	23.68	36.89	74.00	-13.51	280	14	Peak	Horizontal	
2	2402.000	117.81	88.57	37.24	74.00	43.81	280	14	Peak	Horizontal	
3	2495.962	54.48	16.96	37.52	74.00	-19.52	280	14	Peak	Horizontal	

Low Channel (Vertical) Peak



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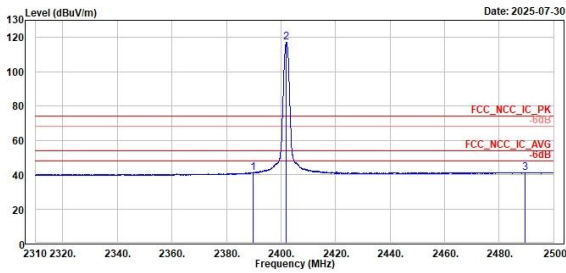
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2362.187	57.83	28.14	36.89	74.00	-16.97	183	183	Peak	Vertical	
2	2402.000	111.13	73.89	37.24	74.00	37.13	183	183	Peak	Vertical	
3	2486.558	54.81	17.30	37.51	74.00	-19.19	183	183	Peak	Vertical	

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Low Channel (Horizontal) Average



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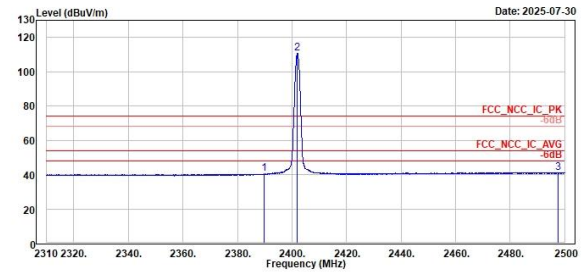


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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2389.898	41.25	4.11	37.14	54.00	-12.75	280	14	Average	Horizontal	
2 *	2402.000	117.33	80.09	37.24	54.00	63.33	280	14	Average	Horizontal	
3	2489.407	41.24	3.73	37.51	54.00	-12.76	280	14	Average	Horizontal	

Low Channel (Vertical) Average



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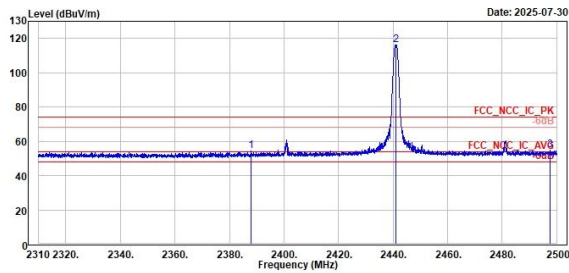
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2389.895	40.32	3.18	37.14	54.00	-13.68	183	183	Average	Vertical	
2 *	2402.000	110.65	73.41	37.24	54.00	56.65	183	183	Average	Vertical	
3	2497.530	41.17	3.65	37.52	54.00	-12.83	183	183	Average	Vertical	

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Middle Channel (Horizontal) Peak



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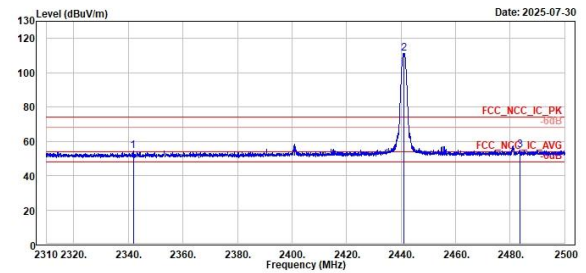


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2387.948	54.59	17.47	37.12	74.00	-19.41	303			4 Peak	Horizontal	
2 *	2441.000	116.26	76.83	37.43	74.00	42.26	303			4 Peak	Horizontal	
3	2497.482	54.87	17.35	37.52	74.00	-19.13	303			4 Peak	Horizontal	

Middle Channel (Vertical) Peak



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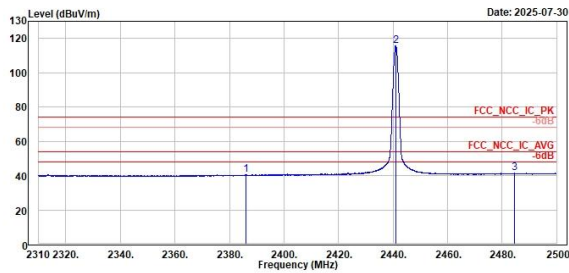
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1	2341.778	54.36	17.61	36.75	74.00	-19.64	101			183 Peak	Vertical	
2 *	2441.000	111.00	73.57	37.43	74.00	37.00	101			183 Peak	Vertical	
3	2483.660	54.73	17.22	37.51	74.00	-19.27	101			183 Peak	Vertical	

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Middle Channel (Horizontal) Average



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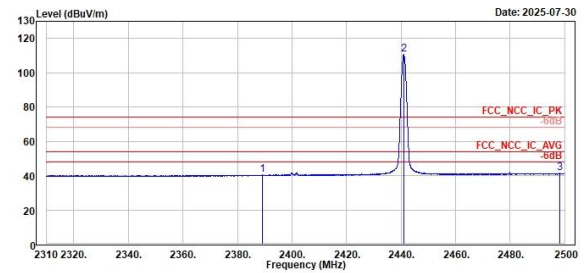


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2385.952	40.46	3.35	37.11	54.00	-13.54	303	4	Average	Horizontal	
2	2441.000	115.78	70.35	37.43	54.00	61.78	303	4	Average	Horizontal	
3	2484.515	41.33	3.82	37.51	54.00	-12.67	303	4	Average	Horizontal	

Middle Channel (Vertical) Average



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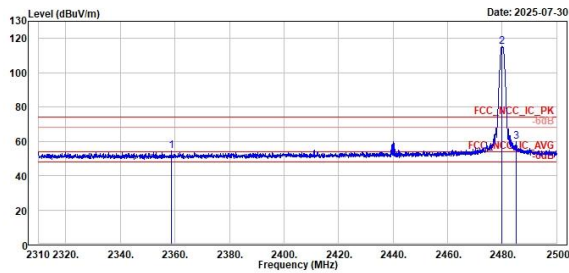
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1	2389.278	40.32	3.19	37.13	54.00	-13.68	101	183	Average	Vertical	
2	2441.000	110.52	73.09	37.43	54.00	56.52	101	183	Average	Vertical	
3	2498.337	41.32	3.80	37.52	54.00	-12.68	101	183	Average	Vertical	

GFSK

High Channel (Horizontal) Peak



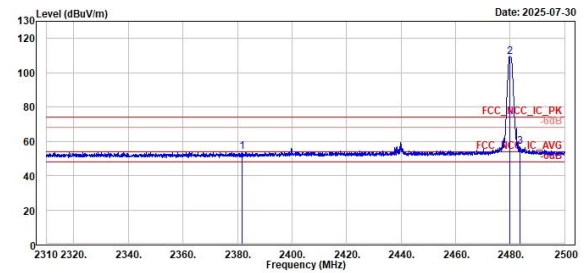
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2358.735	54.15	17.29	36.86	74.00	-19.85	331			6 Peak	Horizontal	
2	* 2480.000	115.02	77.51	37.51	74.00	41.02	331			6 Peak	Horizontal	
3	2485.275	59.77	22.26	37.51	74.00	-14.23	331			6 Peak	Horizontal	



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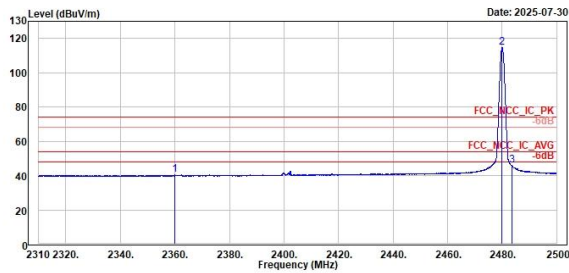
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2381.620	53.82	16.76	37.06	74.00	-20.18	100			183 Peak	Vertical	
2	* 2480.000	109.45	71.94	37.51	74.00	35.45	100			183 Peak	Vertical	
3	2483.500	57.03	19.52	37.51	74.00	-16.97	100			183 Peak	Vertical	

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High Channel (Horizontal) Average



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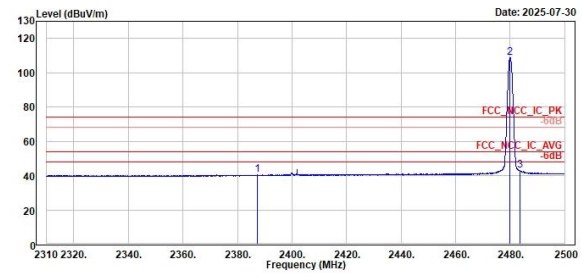


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MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1 2360.018	40.47	3.60	36.87	54.00	-13.53	331	6	Average	Horizontal		
2 * 2480.000	114.50	76.99	37.51	54.00	60.50	331	6	Average	Horizontal		
3 2483.500	45.87	8.36	37.51	54.00	-8.13	331	6	Average	Horizontal		

High Channel (Vertical) Average



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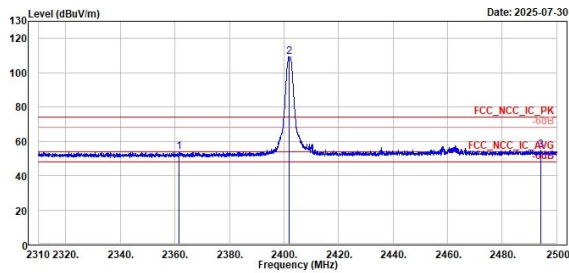
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MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1 2387.180	40.37	3.25	37.12	54.00	-13.63	180	183	Average	Vertical		
2 * 2480.000	108.97	71.46	37.51	54.00	54.97	180	183	Average	Vertical		
3 2483.500	42.83	5.32	37.51	54.00	-11.17	180	183	Average	Vertical		

8DPSK

Low Channel (Horizontal) Peak



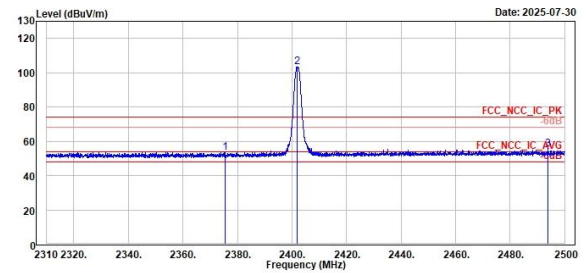
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2361.585	54.02	17.14	36.88	74.00	-19.98	281	13	Peak	Horizontal		
2	2402.000	109.47	72.23	37.24	74.00	35.47	281	13	Peak	Horizontal		
3	2494.252	54.98	17.46	37.52	74.00	-19.02	281	13	Peak	Horizontal		



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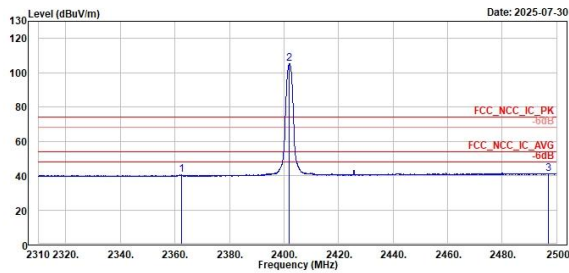
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2375.550	53.57	16.56	37.01	74.00	-20.43	184	184	Peak	Vertical		
2	2402.000	103.54	66.30	37.24	74.00	29.54	184	184	Peak	Vertical		
3	2493.778	55.49	17.97	37.52	74.00	-18.51	184	184	Peak	Vertical		

8DPSK

Low Channel (Horizontal) Average



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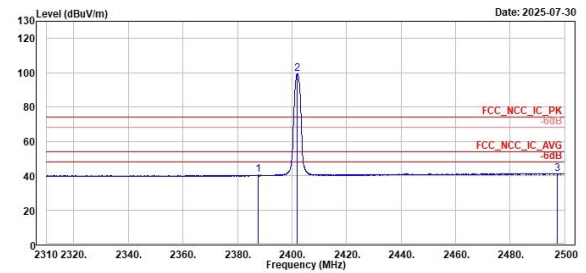


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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2362.345	40.42	3.53	36.89	54.00	-13.58	281	13	Average	Horizontal		
2 *	2402.000	105.40	60.16	37.24	54.00	51.40	281	13	Average	Horizontal		
3	2497.055	41.22	3.70	37.52	54.00	-12.78	281	13	Average	Horizontal		

Low Channel (Vertical) Average



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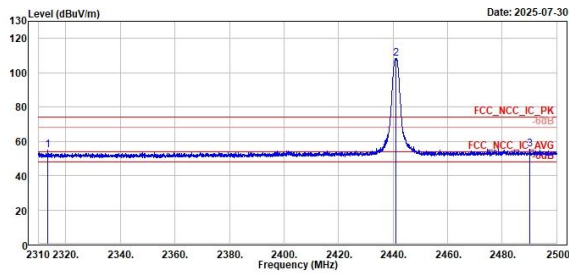
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2387.520	40.30	3.18	37.12	54.00	-13.70	104	104	Average	Vertical		
2 *	2402.000	99.48	62.24	37.24	54.00	45.48	104	104	Average	Vertical		
3	2497.292	41.25	3.73	37.52	54.00	-12.75	104	104	Average	Vertical		

8DPSK

Middle Channel (Horizontal) Peak



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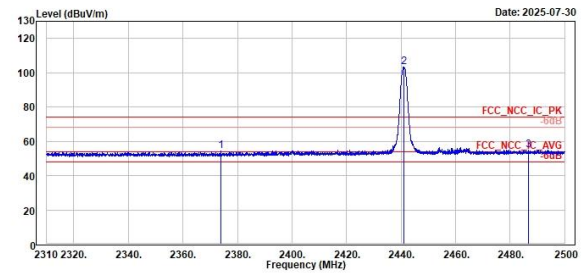


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2313.468	54.65	17.97	36.68	74.00	-19.35	302			4 Peak	Horizontal	
2 *	2441.000	108.39	70.96	37.43	74.00	34.39	302			4 Peak	Horizontal	
3	2490.120	55.37	17.85	37.52	74.00	-18.63	302			4 Peak	Horizontal	

Middle Channel (Vertical) Peak



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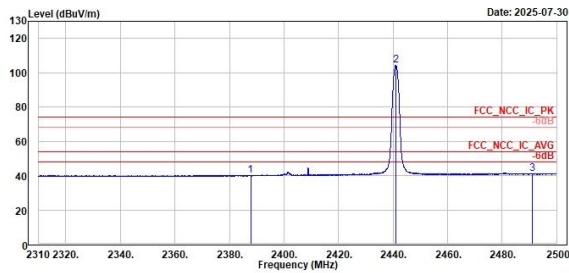
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1	2373.887	54.21	17.21	37.00	74.00	-19.79	101			183 Peak	Vertical	
2 *	2441.000	103.19	65.76	37.43	74.00	29.19	101			183 Peak	Vertical	
3	2486.653	55.01	17.50	37.51	74.00	-18.99	101			183 Peak	Vertical	

8DPSK

Middle Channel (Horizontal) Average



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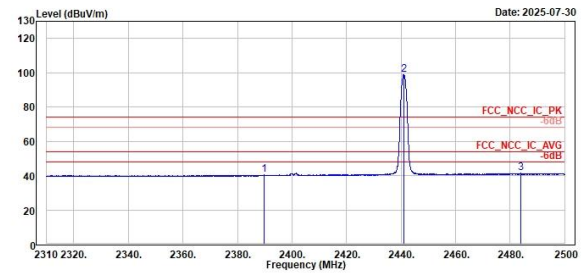


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2387.758	40.25	3.13	37.12	54.00	-13.75	302	4	Average	Horizontal	
2	2441.000	104.32	66.89	37.43	54.00	50.32	302	4	Average	Horizontal	
3	2490.927	41.23	3.71	37.52	54.00	-12.77	302	4	Average	Horizontal	

Middle Channel (Vertical) Average



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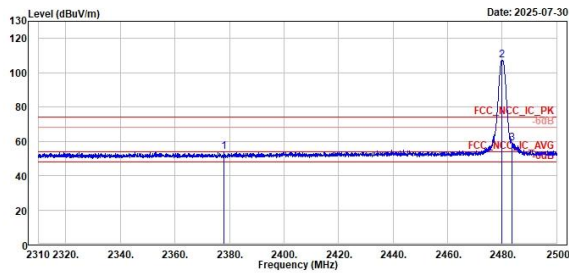
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MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.800	40.32	3.18	37.14	54.00	-13.68	101	183	Average	Vertical	
2	2441.000	99.09	61.66	37.43	54.00	45.09	101	183	Average	Vertical	
3	2483.992	41.30	3.79	37.51	54.00	-12.70	101	183	Average	Vertical	

8DPSK

High Channel (Horizontal) Peak



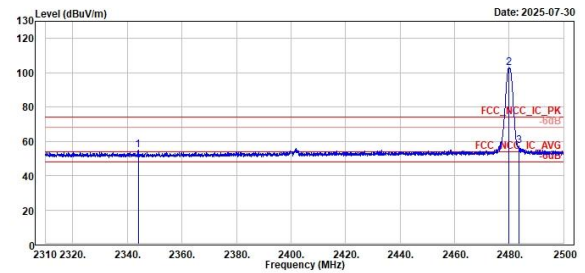
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2377.877	54.07	17.04	37.03	74.00	-19.93	332			S Peak	Horizontal	
2	2480.000	107.12	69.61	37.51	74.00	33.12	332			S Peak	Horizontal	
3	2483.708	58.99	21.48	37.51	74.00	-15.01	332			S Peak	Horizontal	



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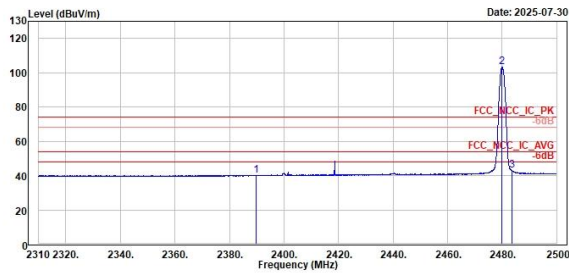
Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2343.962	54.64	17.07	36.77	74.00	-19.36	183			192 Peak	Vertical	
2	2480.000	102.69	65.18	37.51	74.00	28.69	183			192 Peak	Vertical	
3	2483.660	57.14	19.63	37.51	74.00	-16.86	183			192 Peak	Vertical	

8DPSK

High Channel (Horizontal) Average



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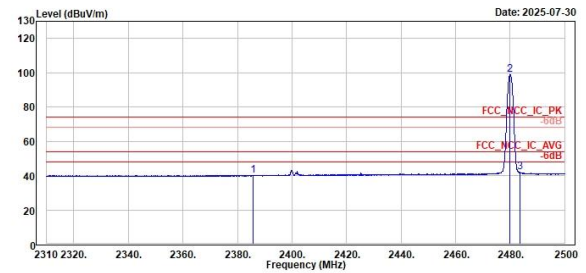


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.785	40.24	3.10	37.14	54.00	-13.76	332	5	Average	Horizontal		
2 *	2480.000	103.10	65.59	37.51	54.00	49.10	332	5	Average	Horizontal		
3	2483.500	43.04	5.53	37.51	54.00	-10.96	332	5	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	2385.620	40.20	3.10	37.10	54.00	-13.80	183	192	Average	Vertical		
2 *	2480.000	98.66	61.15	37.51	54.00	44.66	183	192	Average	Vertical		
3	2483.518	41.84	4.33	37.51	54.00	-12.16	183	192	Average	Vertical		

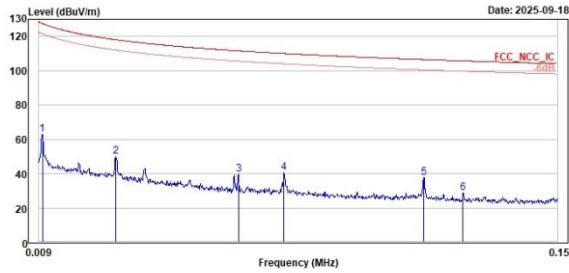
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

GFSK

Middle Channel (Open) 9kHz~150kHz



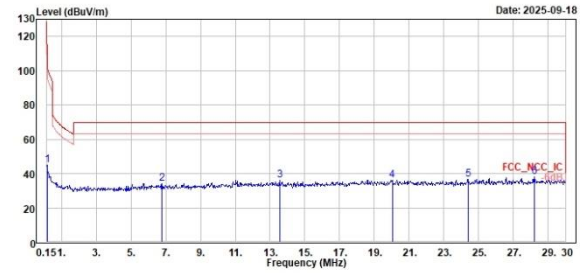
TÜV Rheinland Taiwan Ltd.
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	0.010	62.86	44.74	18.12	127.60	-64.74	100	188	Peak	Open		
2	0.030	50.14	30.12	20.02	118.05	-67.91	100	318	Peak	Open		
3	0.063	39.64	21.52	18.12	111.57	-71.93	100	217	Peak	Open		
4	0.076	40.43	22.07	18.36	110.01	-69.50	100	0	Peak	Open		
5	0.114	37.67	19.56	18.11	106.49	-68.82	100	0	Peak	Open		
6	0.124	28.76	10.58	18.18	105.71	-76.95	100	168	Peak	Open		



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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	0.100	44.93	26.41	18.52	102.50	-57.57	100	239	Peak	Open		
2	6.777	34.26	13.48	20.78	69.50	-35.24	100	206	Peak	Open		
3	13.553	36.29	14.70	21.59	69.50	-33.21	100	194	Peak	Open		
4	20.030	36.08	13.21	22.87	69.50	-33.42	100	138	Peak	Open		
5	24.388	36.68	13.97	22.71	69.50	-32.82	100	12	Peak	Open		
6	28.209	37.95	14.85	23.10	69.50	-31.55	100	55	Peak	Open		

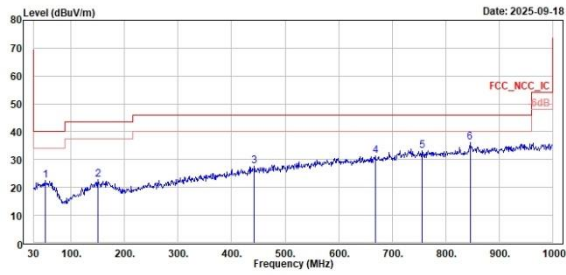
Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

GFSK

Middle Channel (Horizontal)



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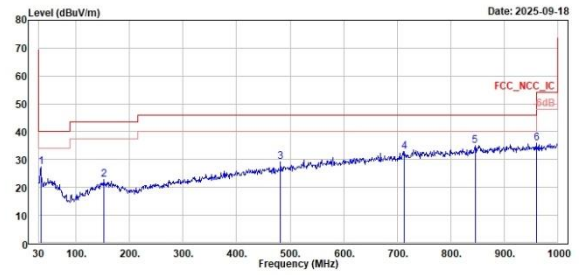


	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	51.348	22.62	28.26	-5.64	40.00	-17.38	100	134 Peak	Horizontal	
2	150.280	22.92	28.68	-5.96	43.50	-20.58	100	253 Peak	Horizontal	
3	442.250	27.79	29.38	-1.59	46.00	-18.21	100	135 Peak	Horizontal	
4	668.260	31.24	28.88	2.36	46.00	-14.76	100	190 Peak	Horizontal	
5	755.560	33.24	28.84	4.40	46.00	-12.76	100	233 Peak	Horizontal	
6	845.770	36.14	31.05	5.09	46.00	-9.86	100	183 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	33.880	27.25	34.67	-7.42	40.00	-12.75	100	297 Peak	Vertical	
2	151.250	22.70	28.63	-5.93	43.50	-20.80	100	344 Peak	Vertical	
3	482.020	29.07	30.13	-1.06	46.00	-16.93	100	275 Peak	Vertical	
4	713.850	32.78	29.46	3.32	46.00	-13.22	100	93 Peak	Vertical	
5	845.770	35.00	29.91	5.09	46.00	-11.00	100	329 Peak	Vertical	
6	960.230	35.75	28.94	6.81	54.00	-18.25	100	137 Peak	Vertical	

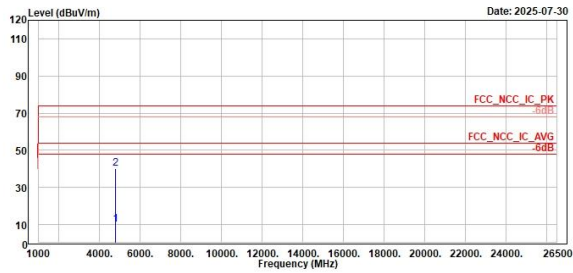
Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

GFSK

Low Channel (Horizontal)



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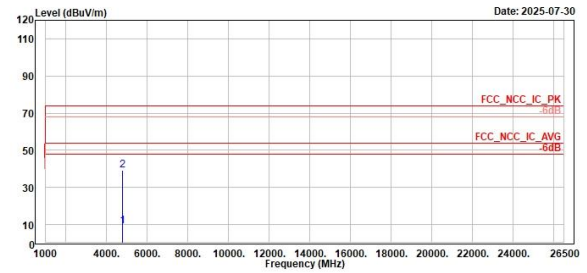


	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4884.000	10.22	20.97	-10.75	54.00	-43.78	180	233	Average	Horizontal	CF
2	4884.000	40.32	51.07	-10.75	74.00	-33.68	180	233	Peak	Horizontal	

Low Channel (Vertical)



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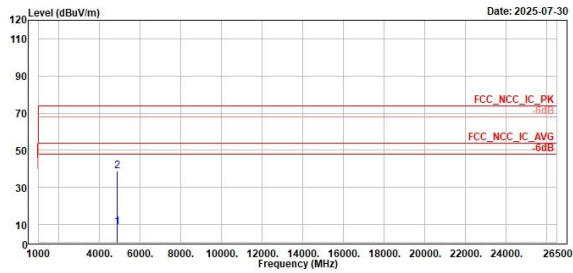
	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4884.000	9.10	19.85	-10.75	54.00	-44.90	300	283	Average	Vertical	CF
2	4884.000	39.20	49.95	-10.75	74.00	-34.00	300	283	Peak	Vertical	

GFSK

Middle Channel (Horizontal)



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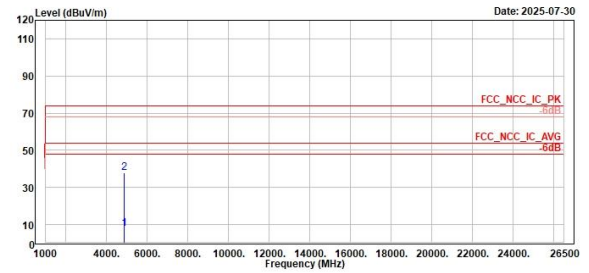


	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4882.000	8.87	19.42	-10.55	54.00	-45.13	123	360	Average	Horizontal	CF
2	4882.000	38.97	49.52	-10.55	74.00	-35.03	123	360	Peak	Horizontal	

Middle Channel (Vertical)



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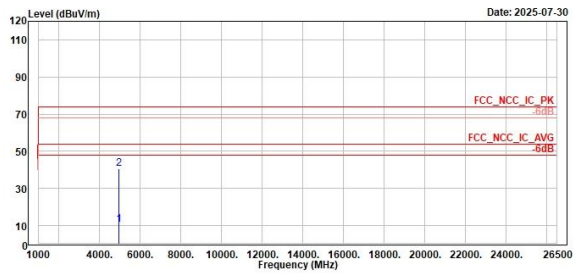
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4882.000	7.81	18.36	-10.55	54.00	-46.19	200	262	Average	Vertical	CF
2	4882.000	37.91	48.46	-10.55	74.00	-36.09	200	262	Peak	Vertical	

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High Channel (Horizontal)



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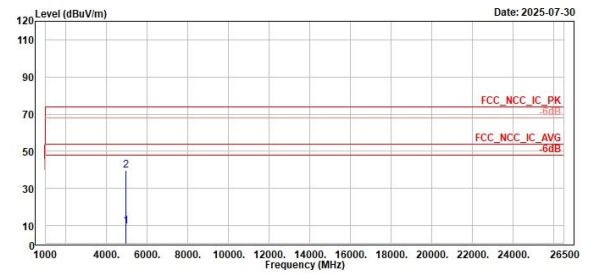


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.000	10.30	20.69	-10.39	54.00	-43.70	223	0	Average	Horizontal	CF	
2	4960.000	40.40	50.79	-10.39	74.00	-33.60	223	0	Peak	Horizontal		

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	4960.000	9.54	19.93	-10.39	54.00	-44.46	180	277	Average	Vertical	CF	
2	4960.000	39.64	50.03	-10.39	74.00	-34.36	180	277	Peak	Vertical		

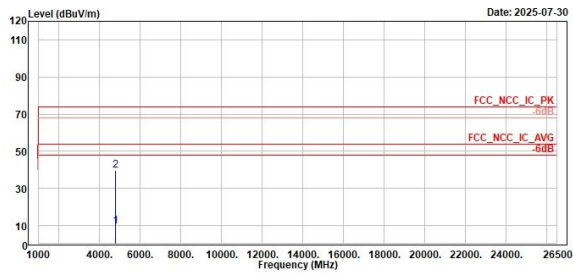
8DPSK

Low Channel (Horizontal)

Low Channel (Vertical)



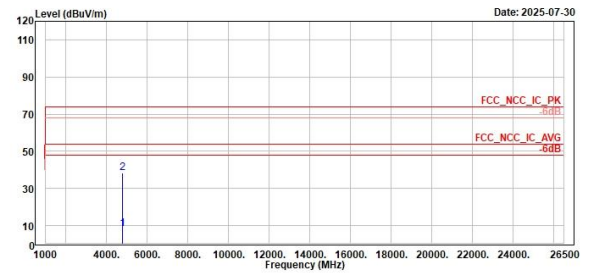
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4884.000	9.69	20.44	-10.75	54.00	-44.31	180	233	Average	Horizontal	CF	
2	4884.000	39.79	50.54	-10.75	74.00	-34.21	180	233	Peak	Horizontal		



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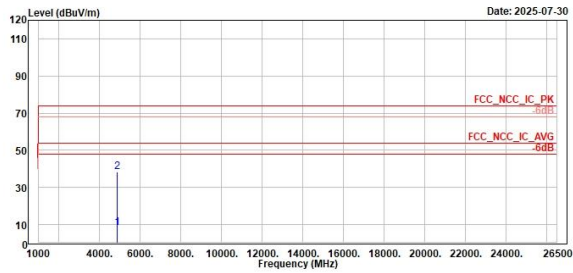
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4884.000	8.37	19.12	-10.75	54.00	-45.63	400	58	Average	Vertical	CF	
2	4884.000	38.47	49.22	-10.75	74.00	-35.53	400	58	Peak	Vertical		

8DPSK

Middle Channel (Horizontal)



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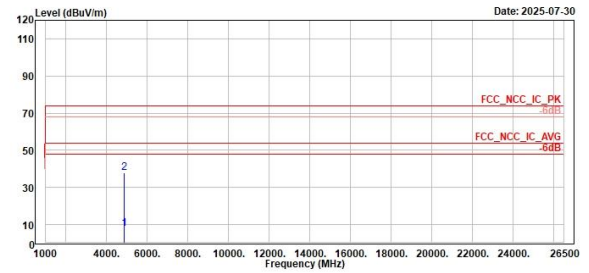


	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4882.000	8.28	18.83	-10.55	54.00	-45.72	180	309	Average	Horizontal	CF
2	4882.000	38.38	48.93	-10.55	74.00	-35.62	180	309	Peak	Horizontal	

Middle Channel (Vertical)



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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4882.000	7.81	18.36	-10.55	54.00	-46.19	400	236	Average	Vertical	CF
2	4882.000	37.91	48.46	-10.55	74.00	-36.09	400	236	Peak	Vertical	

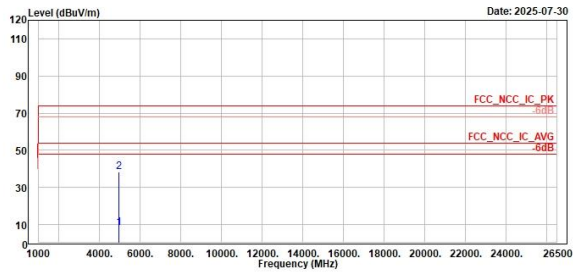
8DPSK

High Channel (Horizontal)

High Channel (Vertical)



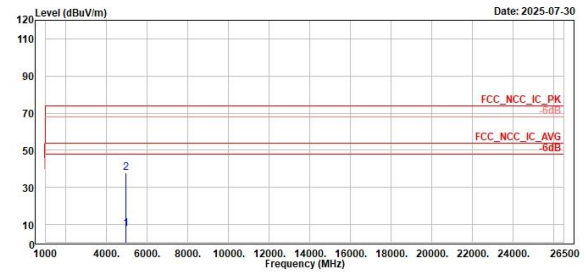
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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4960.000	8.41	18.00	-10.39	54.00	-45.59	360	360	Average	Horizontal	CF
2	4960.000	38.51	48.90	-10.39	74.00	-35.49	360	360	Peak	Horizontal	



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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4960.000	7.89	18.28	-10.39	54.00	-46.11	200	173	Average	Vertical	CF
2	4960.000	37.99	48.38	-10.39	74.00	-36.01	200	173	Peak	Vertical	

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

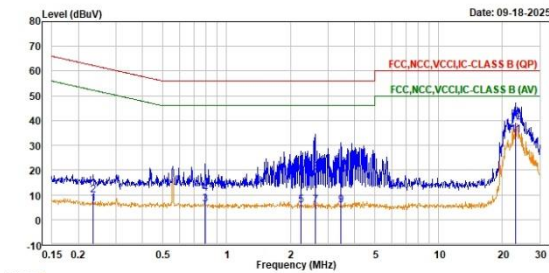
Worst Band

(Line)

(Neutral)



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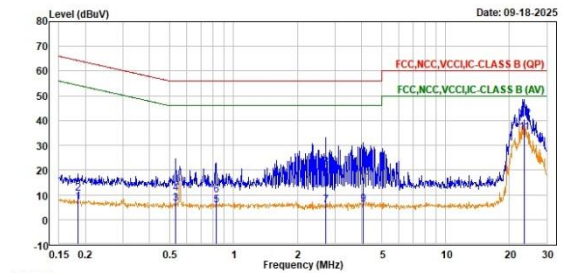


Trace: 1

	Freq	Level	Read	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	Level Factor	Line	Limit			
1	0.235	6.56	-3.07	9.63	52.27	-45.71 Average	line1	
2	0.235	9.78	0.15	9.63	62.27	-52.49 QP	line1	
3	0.793	5.96	-3.68	9.64	46.00	-40.04 Average	line1	
4	0.793	10.55	0.91	9.64	56.00	-45.45 QP	line1	
5	2.246	5.83	-3.83	9.66	46.00	-40.17 Average	line1	
6	2.246	18.43	8.77	9.66	56.00	-37.57 QP	line1	
7	2.622	5.69	-3.97	9.66	46.00	-40.31 Average	line1	
8	2.622	19.03	9.37	9.66	56.00	-36.97 QP	line1	
9	3.466	5.79	-3.89	9.68	46.00	-40.21 Average	line1	
10	3.466	18.55	8.87	9.68	56.00	-37.45 QP	line1	
11	23.035	34.02	24.30	9.72	50.00	-15.98 Average	line1	
12	23.035	39.25	29.53	9.72	60.00	-20.75 QP	line1	



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Trace: 1

	Freq	Level	Read	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	Level Factor	Line	Limit			
1	0.185	7.19	-2.44	9.63	54.26	-47.07 Average	neutral	
2	0.185	10.41	0.78	9.63	64.26	-53.85 QP	neutral	
3	0.535	6.37	-3.26	9.63	46.00	-39.63 Average	neutral	
4	0.535	10.54	0.91	9.63	56.00	-45.46 QP	neutral	
5	0.829	5.80	-3.84	9.64	46.00	-40.20 Average	neutral	
6	0.829	9.93	0.29	9.64	56.00	-46.07 QP	neutral	
7	2.728	5.91	-3.76	9.67	46.00	-40.09 Average	neutral	
8	2.728	21.10	11.43	9.67	56.00	-34.90 QP	neutral	
9	4.065	6.04	-3.65	9.69	46.00	-39.96 Average	neutral	
10	4.065	17.10	7.41	9.69	56.00	-38.90 QP	neutral	
11	23.499	35.21	25.37	9.84	50.00	-14.79 Average	neutral	
12	23.499	40.55	30.71	9.84	60.00	-19.45 QP	neutral	