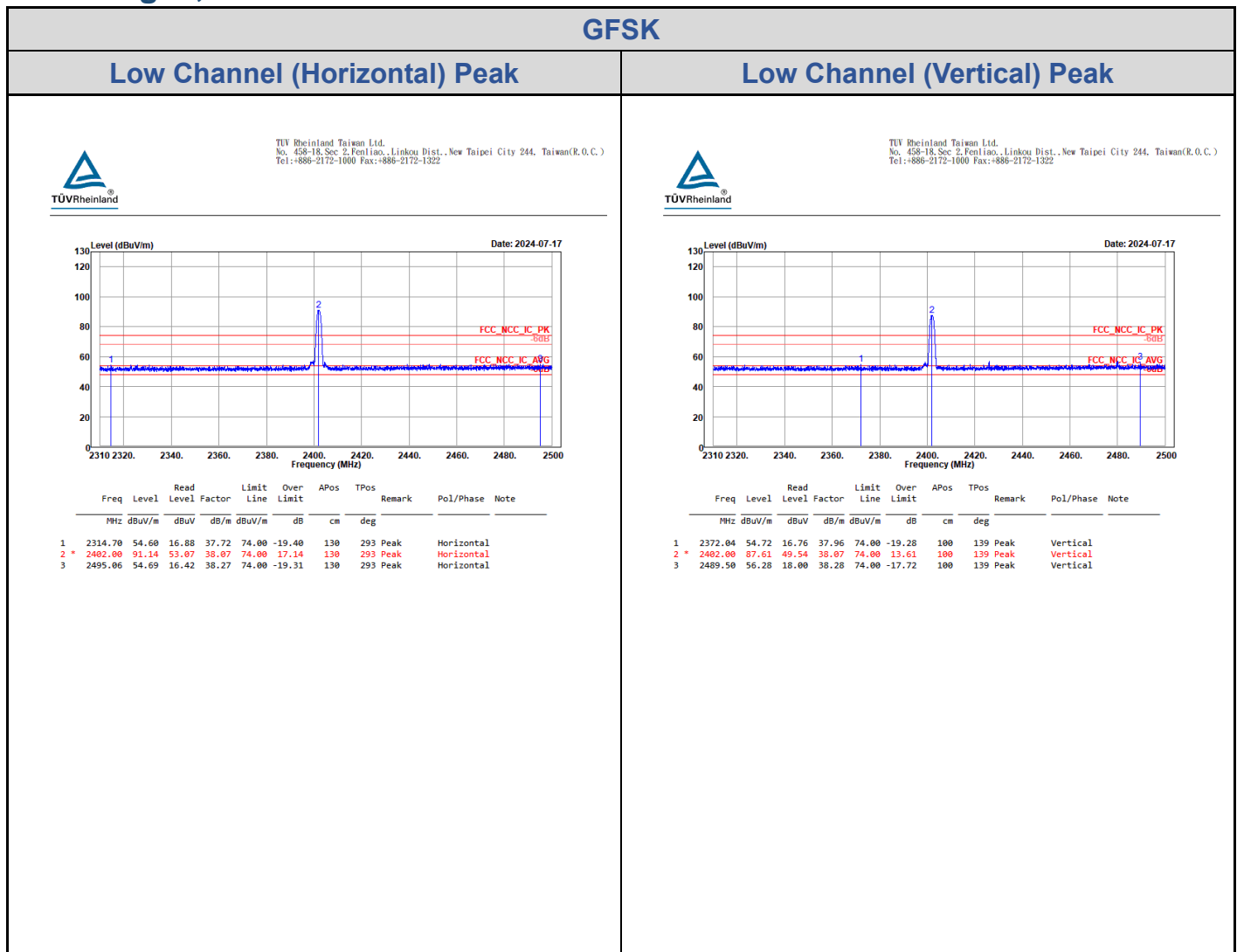


# Appendix B: Test Results of Radiated Spurious Emissions & Mains

## Conducted Emission Test for Left and Right Ears

### Left Ear Band Edges, 2.31GHz ~ 2.5GHz



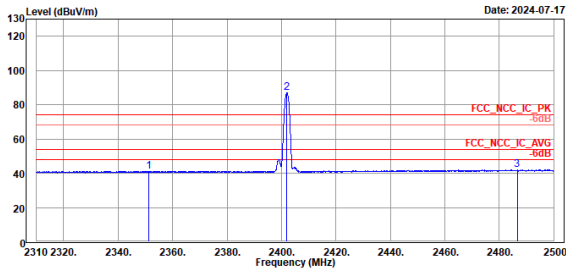
GFSK

Low Channel (Horizontal) Average

Low Channel (Vertical) Average



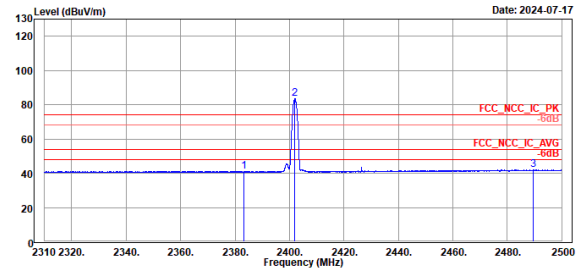
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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
2351.23	2402.00	2486.56
41.12	87.09	41.90
3.22	49.62	3.62
37.90	38.07	38.28
54.00	54.00	54.00
-12.08	33.09	-12.10
130	130	130
293	293	293
Average	Average	Average
Horizontal	Horizontal	Horizontal



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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
2383.25	2402.00	2489.55
41.16	83.49	42.00
3.15	45.42	3.72
38.01	38.07	38.28
54.00	54.00	54.00
-12.84	29.49	-12.00
100	139	100
139	139	139
Average	Average	Average
Vertical	Vertical	Vertical

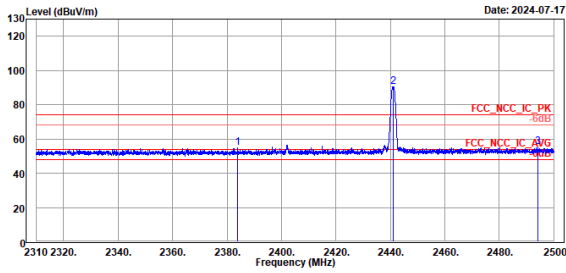
GFSK

Middle Channel (Horizontal) Peak

Middle Channel (Vertical) Peak



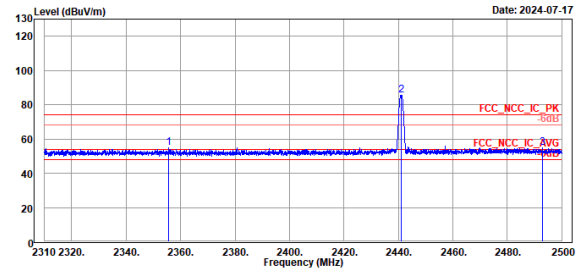
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
2383.91	2441.00	2494.21
54.83	90.44	55.13
16.82	52.18	16.86
38.01	38.26	38.27
74.00	74.00	74.00
-19.17	16.44	-18.87
130	130	130
291	291	291
Peak	Peak	Peak
Horizontal	Horizontal	Horizontal



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
2355.70	2441.00	2493.02
54.69	85.53	54.79
16.77	47.27	16.52
37.92	38.26	38.27
74.00	74.00	74.00
-19.31	11.53	-19.21
100	100	100
144	144	144
Peak	Peak	Peak
Vertical	Vertical	Vertical

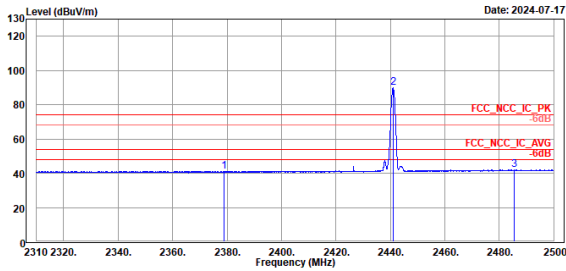
GFSK

Middle Channel (Horizontal) Average

Middle Channel (Vertical) Average



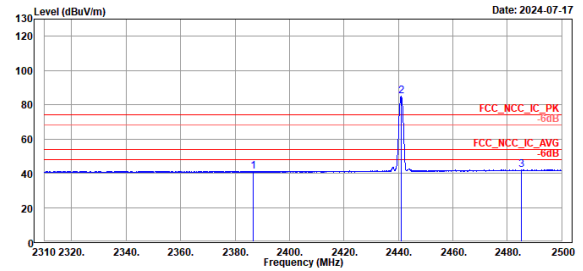
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
2378.97	2441.00	2485.37
41.25	89.91	41.89
3.26	51.65	3.61
37.99	38.26	38.28
54.00	54.00	54.00
-12.75	35.91	-12.11
130	130	130
291	291	291
Average	Average	Average
Horizontal	Horizontal	Horizontal



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
2386.67	2441.00	2485.13
41.15	84.95	42.02
3.14	46.69	3.74
38.01	38.26	38.28
54.00	54.00	54.00
-12.85	30.95	-11.98
100	100	100
144	144	144
Average	Average	Average
Vertical	Vertical	Vertical

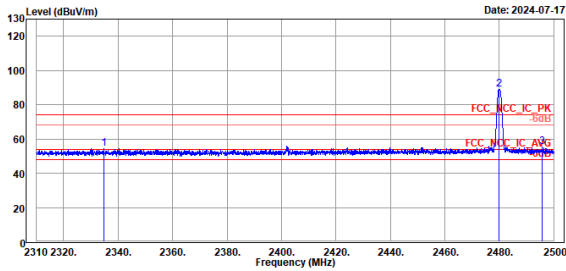
GFSK

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



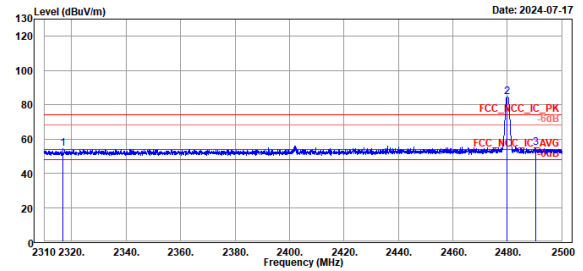
TÜV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	2334.75	54.31	16.49	37.82	74.00	-19.69	308	293	Peak	Horizontal	
2 *	2480.00	89.00	50.71	38.29	74.00	15.00	308	293	Peak	Horizontal	
3	2495.82	55.16	16.88	38.28	74.00	-18.84	308	293	Peak	Horizontal	



TÜV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	2316.79	54.45	16.72	37.73	74.00	-19.55	100	144	Peak	Vertical	
2 *	2480.00	84.62	46.33	38.29	74.00	10.62	100	144	Peak	Vertical	
3	2490.50	54.83	16.55	38.28	74.00	-19.17	100	144	Peak	Vertical	

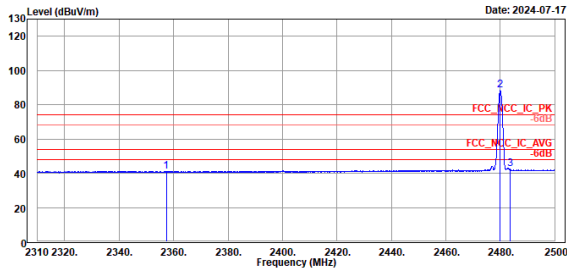
GFSK

High Channel (Horizontal) Average

High Channel (Vertical) Average



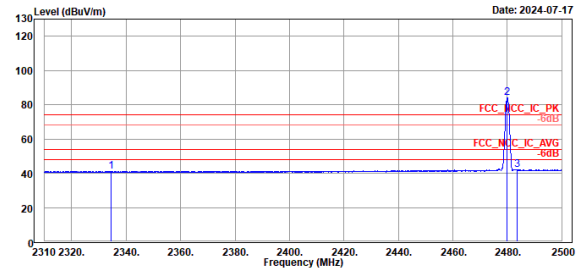
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	2357.31	41.23	3.31	37.92	54.00	-12.77	308	293	Average	Horizontal	
2 *	2480.00	88.31	50.02	38.29	54.00	34.31	308	293	Average	Horizontal	
3	2483.52	42.38	4.10	38.28	54.00	-11.62	308	293	Average	Horizontal	



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322

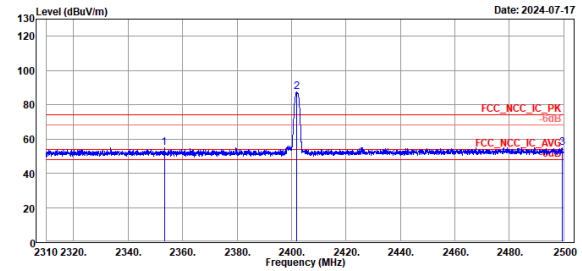
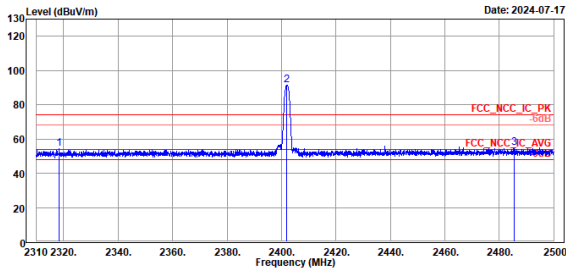
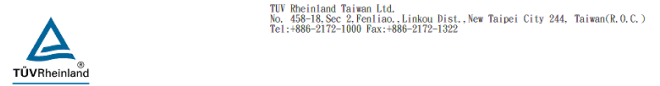
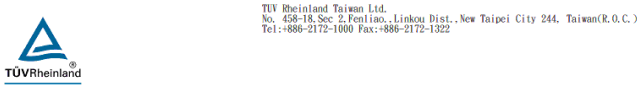


Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2334.56	41.12	3.30	37.82	54.00	-12.88	100	144	Average	Vertical	
2 *	2480.00	83.88	45.59	38.29	54.00	29.88	100	144	Average	Vertical	
3	2483.50	41.99	3.71	38.28	54.00	-12.01	100	144	Average	Vertical	

π/4-DQPSK

Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak



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		
2318.22	54.32	16.59	37.73	74.00	-19.68	132	293 Peak	Horizontal	
2482.00	91.36	53.29	38.07	74.00	17.36	132	293 Peak	Horizontal	
2485.61	54.90	16.62	38.28	74.00	-19.10	132	293 Peak	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		
2353.27	54.99	17.08	37.91	74.00	-19.01	100	139 Peak	Vertical	
2482.00	87.31	49.24	38.07	74.00	13.31	100	139 Peak	Vertical	
2499.38	55.00	16.73	38.27	74.00	-19.00	100	139 Peak	Vertical	

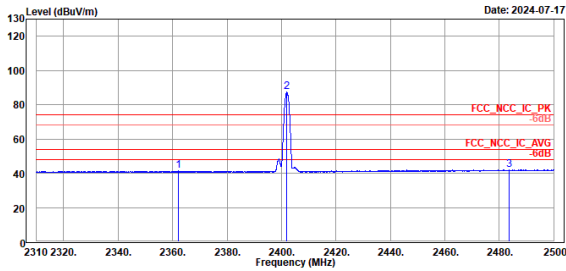
π/4-DQPSK

Low Channel (Horizontal) Average

Low Channel (Vertical) Average



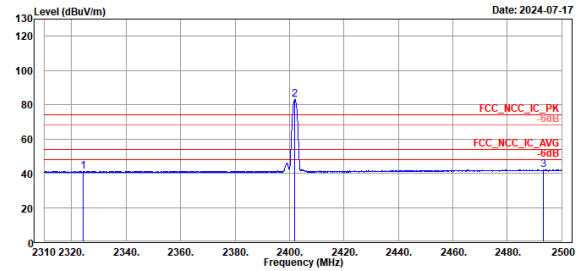
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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		
2362.01	41.28	3.35	37.93	54.00	-12.72	132	293 Average	Horizontal	
2402.00	87.30	49.23	38.07	54.00	33.30	132	293 Average	Horizontal	
2483.76	41.95	3.67	38.28	54.00	-12.05	132	293 Average	Horizontal	



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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		
2324.16	41.15	3.38	37.77	54.00	-12.85	100	139 Average	Vertical	
2402.00	83.29	45.22	38.07	54.00	29.29	100	139 Average	Vertical	
2493.26	42.04	3.77	38.27	54.00	-11.96	100	139 Average	Vertical	



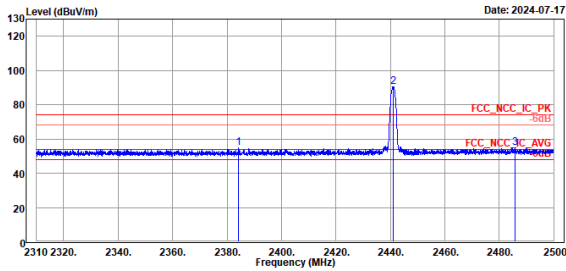
π/4-DQPSK

Middle Channel (Horizontal) Peak

Middle Channel (Vertical) Peak



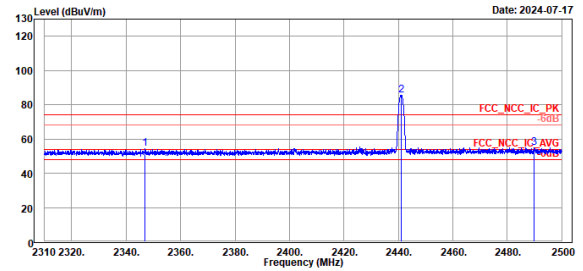
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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		
2384.34	54.87	16.86	38.01	74.00	-19.13	352	290 Peak	Horizontal	
2441.00	90.44	52.18	38.26	74.00	16.44	352	290 Peak	Horizontal	
2485.66	55.08	16.80	38.28	74.00	-18.92	352	290 Peak	Horizontal	



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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		
2347.05	54.37	16.48	37.89	74.00	-19.63	100	144 Peak	Vertical	
2441.00	85.53	47.27	38.26	74.00	11.53	100	144 Peak	Vertical	
2489.69	55.04	16.76	38.28	74.00	-18.96	100	144 Peak	Vertical	

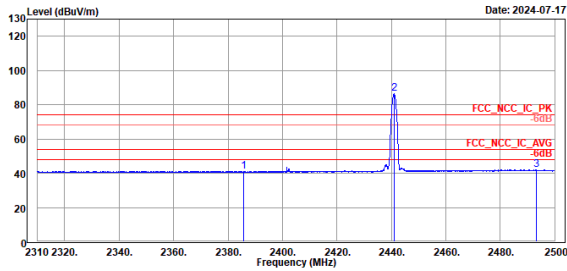
π/4-DQPSK

Middle Channel (Horizontal) Average

Middle Channel (Vertical) Average



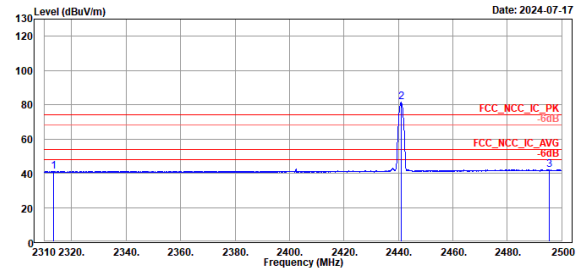
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
2385.62	2441.00	2493.30
41.18	86.36	41.95
3.17	48.10	3.68
38.01	38.26	38.27
54.00	54.00	54.00
-12.82	32.36	-12.05
352	352	352
290	290	290
Average	Average	Average
Horizontal	Horizontal	Horizontal



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
2313.33	2441.00	2495.30
41.25	81.49	42.00
3.54	43.23	3.73
37.71	38.26	38.27
54.00	54.00	54.00
-12.75	27.49	-12.00
100	100	100
144	144	144
Average	Average	Average
Vertical	Vertical	Vertical

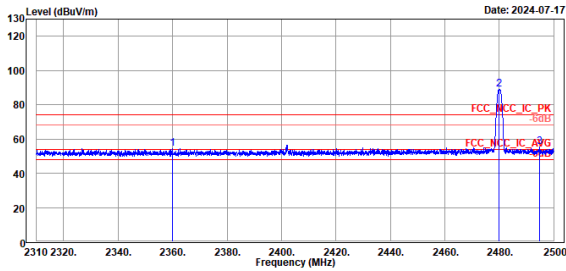
π/4-DQPSK

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



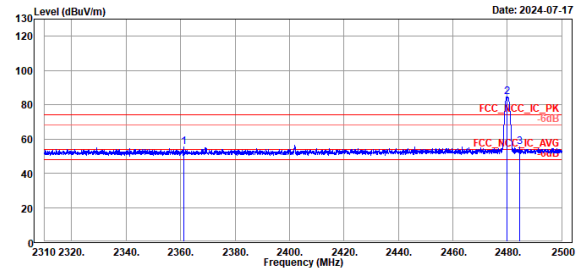
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	2359.92	54.25	16.32	37.93	74.00	-19.75	309	293	Peak	Horizontal	
2 *	2480.00	89.19	50.90	38.29	74.00	15.19	309	293	Peak	Horizontal	
3	2494.87	55.21	16.94	38.27	74.00	-18.79	309	293	Peak	Horizontal	



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	2361.06	55.13	17.20	37.93	74.00	-18.87	100	143	Peak	Vertical	
2 *	2480.00	84.71	46.42	38.29	74.00	10.71	100	143	Peak	Vertical	
3	2484.61	55.14	16.86	38.28	74.00	-18.86	100	143	Peak	Vertical	

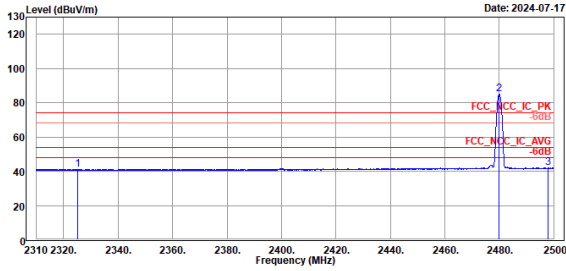
π/4-DQPSK

High Channel (Horizontal) Average

High Channel (Vertical) Average



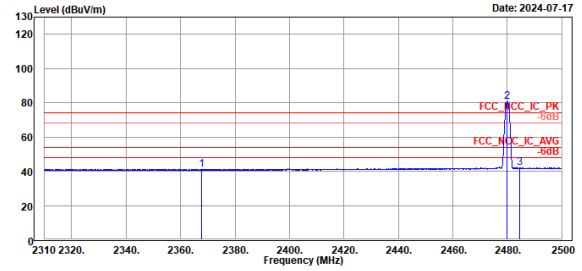
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2325.11	41.21	3.44	37.77	54.00	-12.79	309	293	Average	Horizontal	
2 *	2480.00	85.00	46.71	38.29	54.00	31.00	309	293	Average	Horizontal	
3	2498.01	42.13	3.86	38.27	54.00	-11.87	309	293	Average	Horizontal	



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2367.67	41.13	3.17	37.96	54.00	-12.87	100	143	Average	Vertical	
2 *	2480.00	80.55	42.26	38.29	54.00	26.55	100	143	Average	Vertical	
3	2484.66	42.07	3.79	38.28	54.00	-11.93	100	143	Average	Vertical	

**Spurious Emissions, Tx Mode, 9kHz ~ 30MHz**

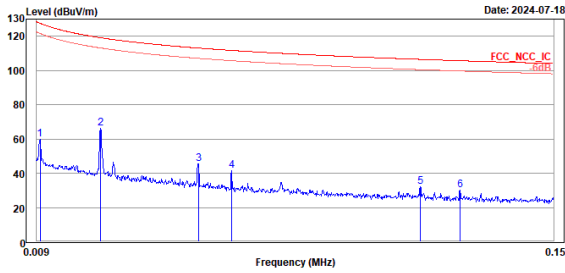
**π/4-DQPSK**

**Low Channel(Open) 9kHz~150kHz**

**Low Channel(Open) 150kHz~30MHz**



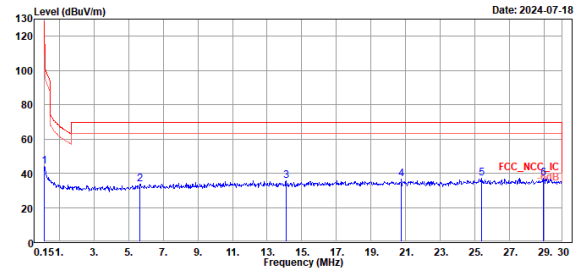
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	0.01	59.94	41.63	18.31	127.60	-67.66	100	49	Peak	Open	
2	0.03	66.23	46.42	19.81	119.13	-52.90	100	183	Peak	Open	
3	0.05	45.68	26.38	19.30	113.09	-67.41	100	23	Peak	Open	
4	0.06	41.55	22.75	18.80	111.72	-70.17	100	4	Peak	Open	
5	0.11	32.33	13.72	18.61	106.49	-74.16	100	348	Peak	Open	
6	0.12	30.05	11.37	18.68	105.70	-75.65	100	220	Peak	Open	



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	0.15	43.95	25.11	18.84	104.00	-60.13	100	0	Peak	Open	
2	5.67	33.52	12.97	20.55	69.50	-35.98	100	354	Peak	Open	
3	14.09	35.43	13.94	21.49	69.50	-34.07	100	292	Peak	Open	
4	20.75	36.56	14.04	22.52	69.50	-32.94	100	274	Peak	Open	
5	25.37	36.96	13.90	23.06	69.50	-32.54	100	301	Peak	Open	
6	28.93	37.21	14.08	23.13	69.50	-32.29	100	47	Peak	Open	

## Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

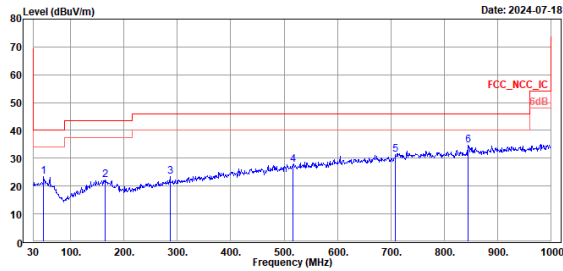
**π/4-DQPSK**

### Low Channel (Horizontal)

### Low Channel (Vertical)



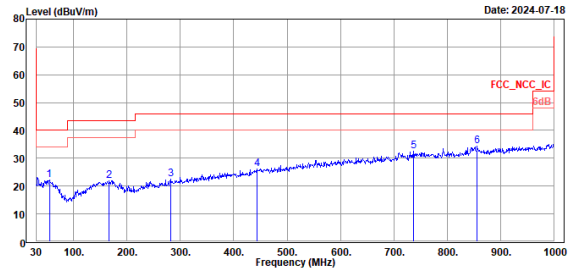
TÜV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Penfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	49.40	23.28	29.22	-5.94	40.00	-16.72	100	172	Peak	Horizontal	
2	163.86	22.14	27.81	-5.67	43.50	-21.36	300	224	Peak	Horizontal	
3	286.08	23.46	29.11	-5.65	46.00	-22.54	300	232	Peak	Horizontal	
4	515.97	27.82	28.90	-1.08	46.00	-18.18	300	357	Peak	Horizontal	
5	709.00	31.24	28.70	2.54	46.00	-14.76	100	0	Peak	Horizontal	
6	844.80	34.54	30.15	4.39	46.00	-11.46	100	212	Peak	Horizontal	



TÜV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Penfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	54.25	22.32	28.17	-5.85	40.00	-17.68	101	360	Peak	Vertical	
2	166.77	22.02	27.65	-5.63	43.50	-21.48	300	70	Peak	Vertical	
3	282.20	22.58	28.37	-5.79	46.00	-23.42	130	360	Peak	Vertical	
4	443.22	26.30	28.52	-2.22	46.00	-19.70	200	255	Peak	Vertical	
5	737.13	32.41	29.58	2.83	46.00	-13.59	300	109	Peak	Vertical	
6	856.44	34.29	29.86	4.43	46.00	-11.71	100	153	Peak	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

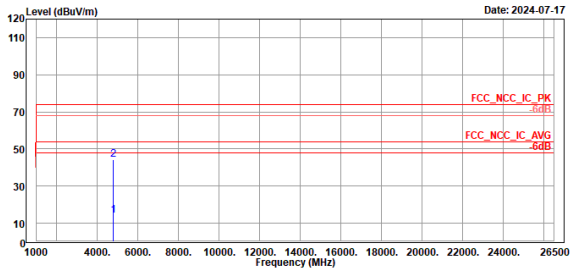
GFSK

Low Channel (Horizontal)

Low Channel (Vertical)



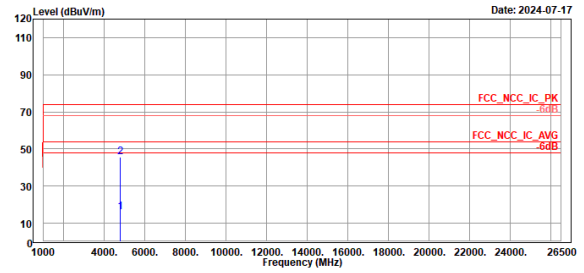
TÜV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



Line	Freq	Level	Read Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4884.00	14.20	22.43	-8.23	54.00	-39.80	100	201	Average	Horizontal	CF
2	4884.00	44.30	52.53	-8.23	74.00	-29.70	100	201	Peak	Horizontal	



TÜV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



Line	Freq	Level	Read Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4884.00	15.75	23.98	-8.23	54.00	-30.25	100	270	Average	Vertical	CF
2	4884.00	45.85	54.08	-8.23	74.00	-28.15	100	270	Peak	Vertical	

GFSK

Middle Channel (Horizontal)

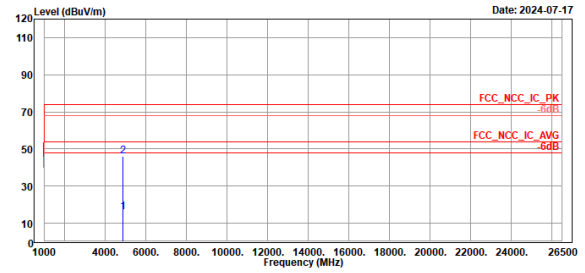
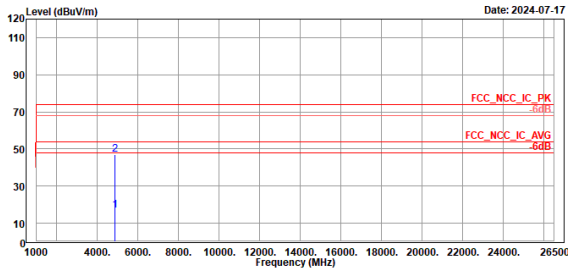
Middle Channel (Vertical)



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	4882.00	16.05	24.99	-8.14	54.00	-37.15	100	154 Average	Horizontal CF
2	4882.00	46.95	55.09	-8.14	74.00	-27.05	100	154 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	4882.00	16.05	24.19	-8.14	54.00	-37.95	100	319 Average	Vertical CF
2	4882.00	46.15	54.29	-8.14	74.00	-27.85	100	319 Peak	Vertical



GFSK

High Channel (Horizontal)

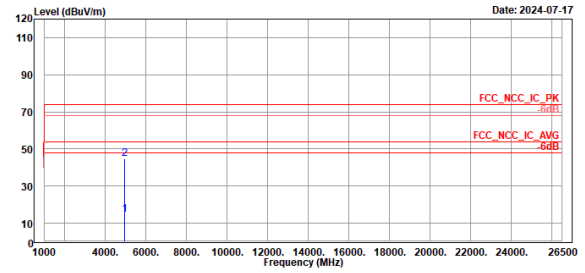
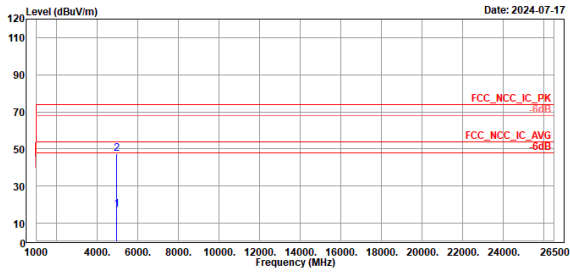
High Channel (Vertical)



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	4960.00	17.21	25.23	-8.02	54.00	-36.79	100	160	Average	Horizontal	CF
2	4960.00	47.31	55.33	-8.02	74.00	-26.69	100	160	Peak	Horizontal	

1	4960.00	14.45	22.47	-8.02	54.00	-39.55	100	264	Average	Vertical	CF
2	4960.00	44.55	52.57	-8.02	74.00	-29.45	100	264	Peak	Vertical	

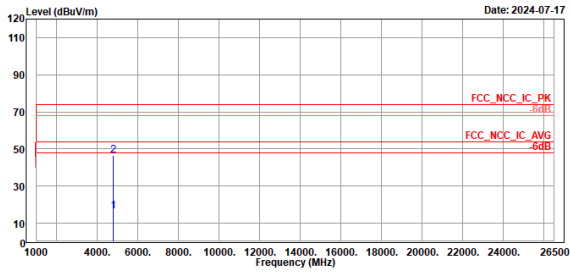
π/4-DQPSK

Low Channel (Horizontal)

Low Channel (Vertical)



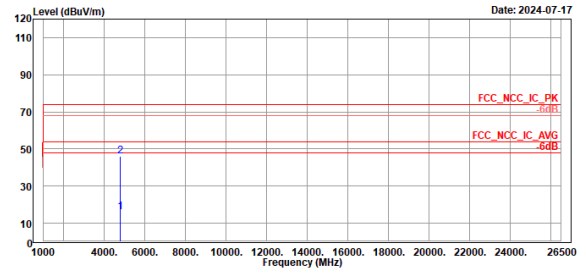
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



Line	Freq	Level	Read Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4884.00	46.63	24.76	-8.23	54.00	-37.47	100	159	Average	Horizontal	CF
2	4884.00	46.63	54.86	-8.23	74.00	-27.37	100	159	Peak	Horizontal	



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



Line	Freq	Level	Read Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4884.00	46.01	24.14	-8.23	54.00	-38.89	100	248	Average	Vertical	CF
2	4884.00	46.01	54.24	-8.23	74.00	-27.99	100	248	Peak	Vertical	

π/4-DQPSK

Middle Channel (Horizontal)

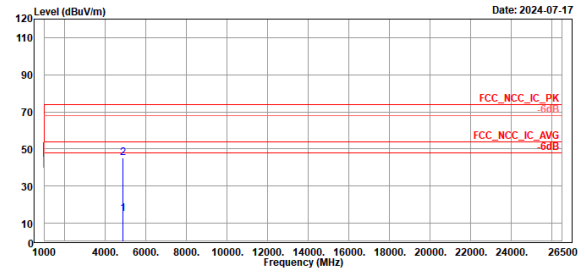
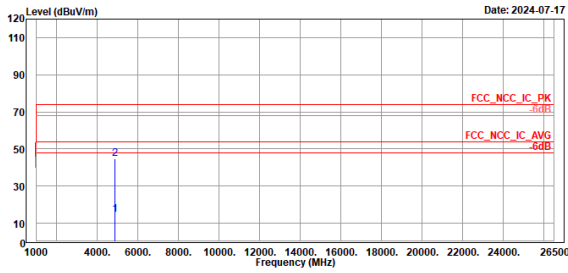
Middle Channel (Vertical)



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	4882.00	14.50	22.64	-8.14	54.00	-39.50	100	164 Average	Horizontal	CF
2	4882.00	44.68	52.74	-8.14	74.00	-29.40	100	164 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	4882.00	15.22	23.36	-8.14	54.00	-36.78	100	323 Average	Vertical	CF
2	4882.00	45.32	53.46	-8.14	74.00	-28.68	100	323 Peak	Vertical	

π/4-DQPSK

High Channel (Horizontal)

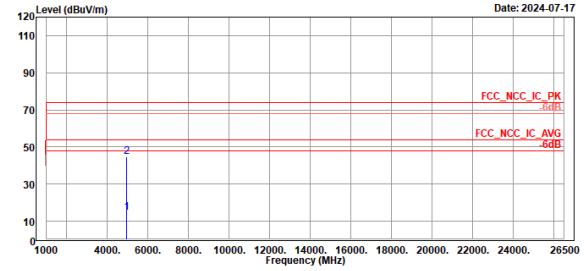
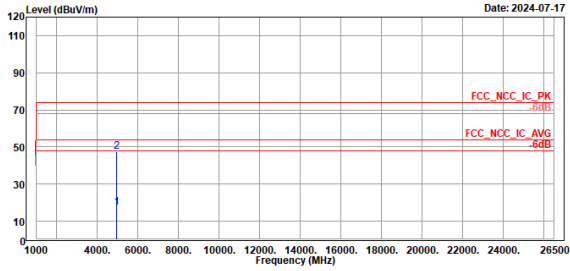
High Channel (Vertical)



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



Line	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	4968.00	17.46	25.48	-8.02	54.00	-36.54	100	161	Average	Horizontal	CF
2	4968.00	47.56	55.58	-8.02	74.00	-26.44	100	161	Peak	Horizontal	

Line	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	4968.00	14.67	22.69	-8.02	54.00	-39.33	100	328	Average	Vertical	CF
2	4968.00	44.77	52.79	-8.02	74.00	-29.23	100	328	Peak	Vertical	

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

Worst Band

(Line)

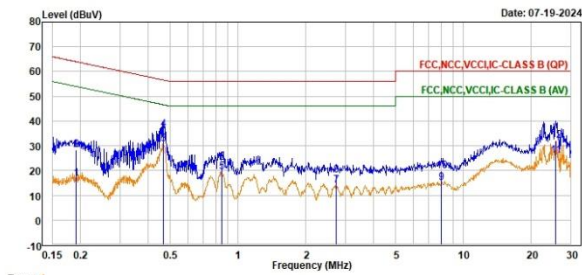
(Neutral)



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322

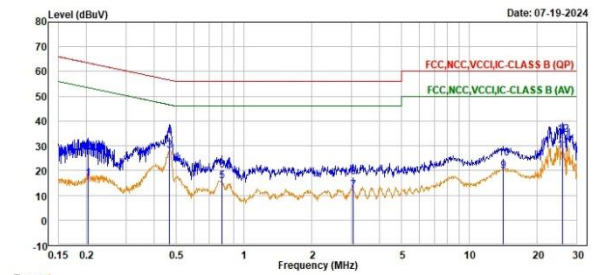


TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



Trace: 1

Line	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor (dB)	Limit Line (dBuV)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.19	16.71	7.09	9.62	54.01	-37.30	Average	line1	
2	0.19	28.45	18.83	9.62	64.01	-35.56	QP	line1	
3	0.47	30.64	21.01	9.63	46.00	-15.96	Average	line1	
4	0.47	36.65	27.02	9.63	56.00	-19.95	QP	line1	
5	0.85	19.45	9.81	9.64	46.00	-26.55	Average	line1	
6	0.85	23.33	13.69	9.64	56.00	-32.67	QP	line1	
7	2.73	13.86	4.20	9.66	46.00	-32.14	Average	line1	
8	2.73	18.16	8.50	9.66	56.00	-37.84	QP	line1	
9	7.97	14.92	5.18	9.74	50.00	-35.08	Average	line1	
10	7.97	19.74	10.00	9.74	60.00	-40.26	QP	line1	
11	25.70	25.99	16.25	9.74	50.00	-24.01	Average	line1	
12	25.70	31.96	22.22	9.74	60.00	-28.04	QP	line1	



Trace: 1

Line	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor (dB)	Limit Line (dBuV)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.20	16.68	7.06	9.62	53.52	-36.84	Average	neutral	
2	0.20	27.21	17.59	9.62	63.52	-36.31	QP	neutral	
3	0.47	27.89	18.26	9.63	46.56	-18.67	Average	neutral	
4	0.47	33.58	23.95	9.63	56.56	-22.98	QP	neutral	
5	0.80	15.66	6.02	9.64	46.00	-30.34	Average	neutral	
6	0.80	20.18	10.54	9.64	56.00	-35.82	QP	neutral	
7	3.04	12.05	2.37	9.68	46.00	-33.95	Average	neutral	
8	3.04	17.21	7.53	9.68	56.00	-38.79	QP	neutral	
9	14.20	19.80	9.97	9.83	50.00	-30.20	Average	neutral	
10	14.20	25.01	15.18	9.83	60.00	-34.99	QP	neutral	
11	25.96	27.94	18.07	9.87	50.00	-22.06	Average	neutral	
12	25.96	34.55	24.68	9.87	60.00	-25.45	QP	neutral	

**Right Ear**  
**Band Edges, 2.31GHz ~ 2.5GHz**

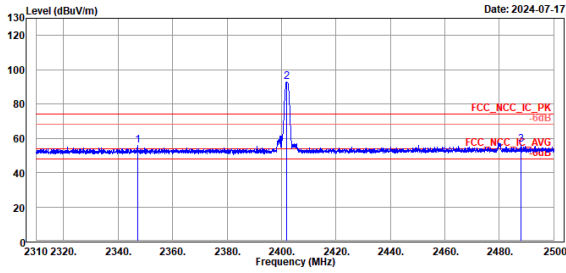
**GFSK**

**Low Channel (Horizontal) Peak**

**Low Channel (Vertical) Peak**



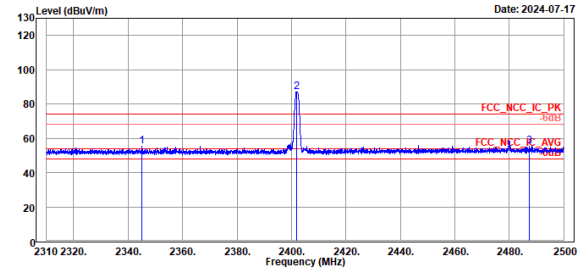
TÜV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Penfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	Read 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	2347.10	56.05	18.16	37.89	74.00	-17.95	346	145	Peak	Horizontal	
2 *	2402.00	92.70	54.63	38.07	74.00	18.70	346	145	Peak	Horizontal	
3	2488.00	56.48	18.20	38.28	74.00	-17.52	346	145	Peak	Horizontal	



TÜV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Penfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	Read 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	2345.10	55.43	17.56	37.87	74.00	-18.57	100	265	Peak	Vertical	
2 *	2402.00	87.09	49.02	38.07	74.00	13.09	100	265	Peak	Vertical	
3	2487.41	55.51	17.22	38.29	74.00	-18.49	100	265	Peak	Vertical	

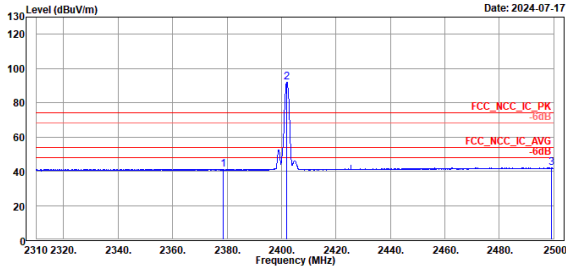
GFSK

Low Channel (Horizontal) Average

Low Channel (Vertical) Average



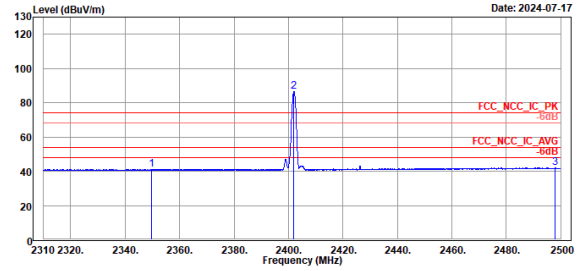
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, FenHiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
2378.64	2402.00	2499.29
41.15	92.18	41.91
3.16	54.11	3.64
37.99	38.07	38.27
54.00	54.00	54.00
-12.85	38.18	-12.09
346	346	346
145	145	145
Average	Average	Average
Horizontal	Horizontal	Horizontal



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, FenHiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
2349.81	2402.00	2497.86
41.25	86.50	42.04
3.35	48.43	3.77
37.90	38.07	38.27
54.00	54.00	54.00
-12.75	32.50	-11.96
100	100	100
265	265	265
Average	Average	Average
Vertical	Vertical	Vertical

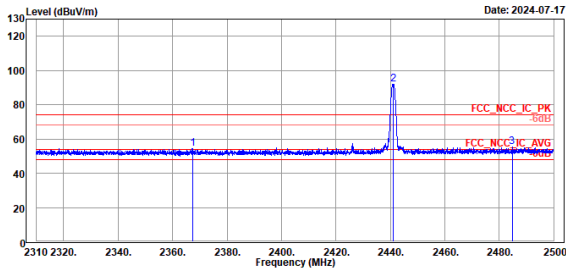
GFSK

Middle Channel (Horizontal) Peak

Middle Channel (Vertical) Peak



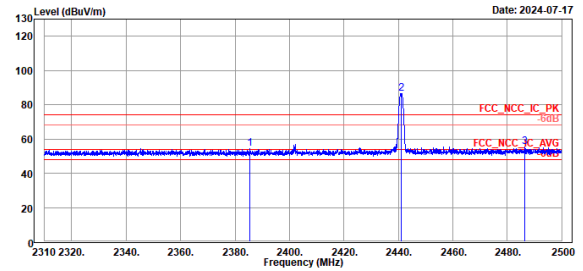
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
2367.29	54.50	16.55	37.95	74.00	-19.50	331	146	Peak	Horizontal		
2441.00	91.82	53.56	38.26	74.00	17.82	331	146	Peak	Horizontal		
2484.71	55.22	16.94	38.28	74.00	-18.78	331	146	Peak	Horizontal		



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
2365.34	54.15	16.14	38.01	74.00	-19.85	100	266	Peak	Vertical		
2441.00	86.66	48.40	38.26	74.00	12.66	100	266	Peak	Vertical		
2486.32	55.17	16.89	38.28	74.00	-18.83	100	266	Peak	Vertical		



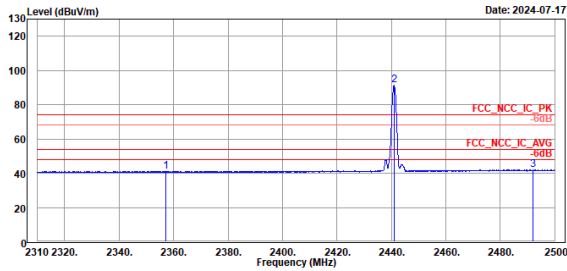
GFSK

Middle Channel (Horizontal) Average

Middle Channel (Vertical) Average



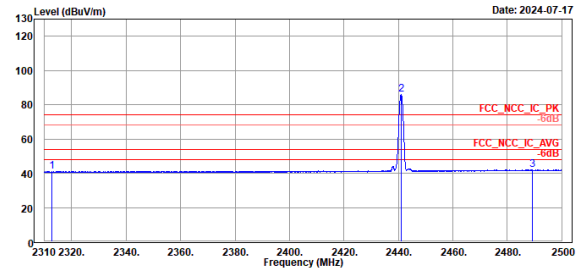
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
2357.26	2441.00	2492.02
41.11	91.28	41.92
3.19	53.02	3.64
37.92	38.26	38.28
54.00	54.00	54.00
-12.89	37.28	-12.08
331	331	331
146	146	146
Average	Average	Average
Horizontal	Horizontal	Horizontal



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
2312.66	2441.00	2489.12
41.14	86.11	42.13
3.43	47.85	3.85
37.71	38.26	38.28
54.00	54.00	54.00
-12.86	32.11	-11.87
100	100	100
266	266	266
Average	Average	Average
Vertical	Vertical	Vertical

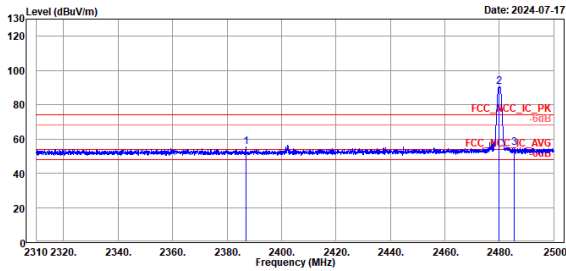
GFSK

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



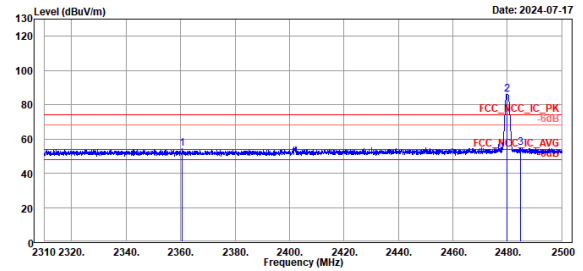
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
2387.00	55.34	17.33	38.01	74.00	-18.66	364	167	Peak	Horizontal		
2480.00	90.44	52.15	38.29	74.00	16.44	364	167	Peak	Horizontal		
2485.61	55.08	16.80	38.28	74.00	-18.92	364	167	Peak	Horizontal		



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
2360.64	54.15	16.22	37.93	74.00	-19.85	100	141	Peak	Vertical		
2480.00	86.23	47.94	38.29	74.00	12.23	100	141	Peak	Vertical		
2484.94	54.71	16.43	38.28	74.00	-19.29	100	141	Peak	Vertical		

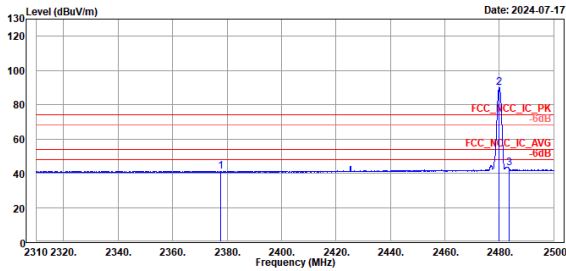
GFSK

High Channel (Horizontal) Average

High Channel (Vertical) Average



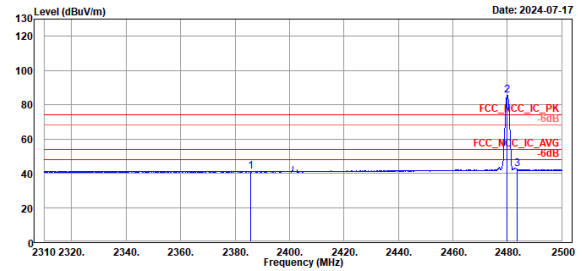
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
2377.55	2480.00	2483.50
41.12	89.88	42.97
3.13	51.59	4.69
37.99	38.29	38.28
54.00	54.00	54.00
-12.88	35.88	-11.03
364	364	364
167	167	167
Average	Average	Average
Horizontal	Horizontal	Horizontal



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
2305.72	2480.00	2483.50
41.20	85.67	42.50
3.19	47.38	4.22
38.01	38.29	38.28
54.00	54.00	54.00
-12.80	31.67	-11.50
100	100	100
141	141	141
Average	Average	Average
Vertical	Vertical	Vertical

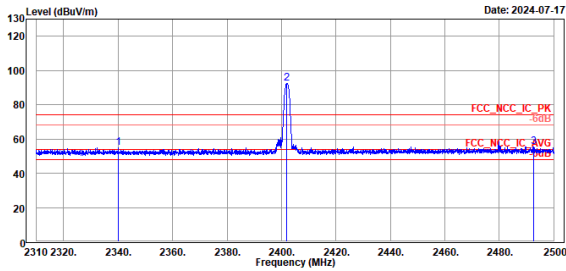
π/4-DQPSK

Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak



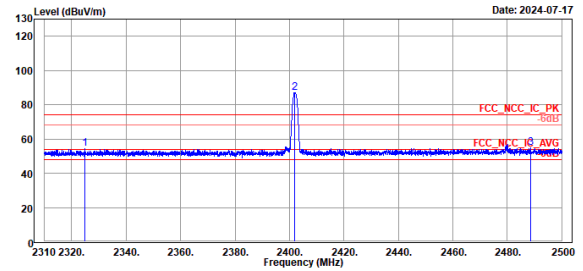
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
2340.07	55.11	17.26	37.85	74.00	-18.89	346	146	Peak	Horizontal		
2402.00	92.45	54.38	38.07	74.00	18.45	346	146	Peak	Horizontal		
2492.50	55.51	17.23	38.28	74.00	-18.49	346	146	Peak	Horizontal		



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
2324.92	54.41	16.64	37.77	74.00	-19.59	100	266	Peak	Vertical		
2402.00	87.04	48.97	38.07	74.00	13.04	100	266	Peak	Vertical		
2488.51	54.67	16.39	38.28	74.00	-19.33	100	266	Peak	Vertical		

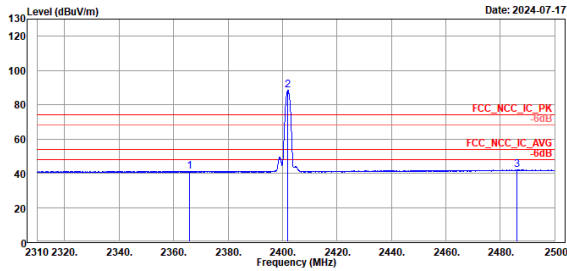
π/4-DQPSK

Low Channel (Horizontal) Average

Low Channel (Vertical) Average



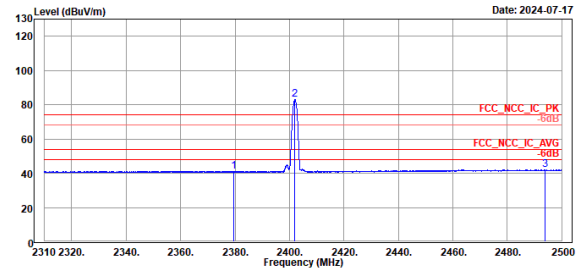
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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		
2365.81	41.22	3.27	37.95	54.00	-12.78	346	146 Average	Horizontal	
2402.00	88.35	50.28	38.07	54.00	34.35	346	146 Average	Horizontal	
2486.08	41.98	3.70	38.28	54.00	-12.02	346	146 Average	Horizontal	



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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		
2379.49	41.13	3.14	37.99	54.00	-12.87	100	266 Average	Vertical	
2402.00	83.07	45.00	38.07	54.00	29.07	100	266 Average	Vertical	
2493.78	41.99	3.72	38.27	54.00	-12.01	100	266 Average	Vertical	

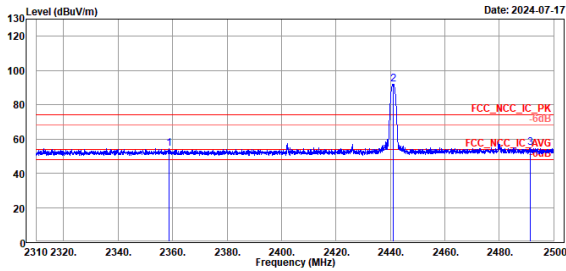
π/4-DQPSK

Middle Channel (Horizontal) Peak

Middle Channel (Vertical) Peak



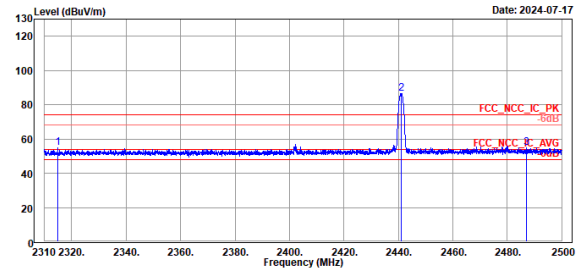
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, FenYiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	2358.83	54.57	16.64	37.93	74.00	-19.43	333	147	Peak	Horizontal	
2 *	2441.00	92.08	53.82	38.26	74.00	18.08	333	147	Peak	Horizontal	
3	2491.40	54.87	16.59	38.28	74.00	-19.13	333	147	Peak	Horizontal	



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, FenYiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	2314.94	54.72	17.00	37.72	74.00	-19.28	100	265	Peak	Vertical	
2 *	2441.00	86.65	48.39	38.26	74.00	12.65	100	265	Peak	Vertical	
3	2486.94	54.88	16.59	38.29	74.00	-19.12	100	265	Peak	Vertical	

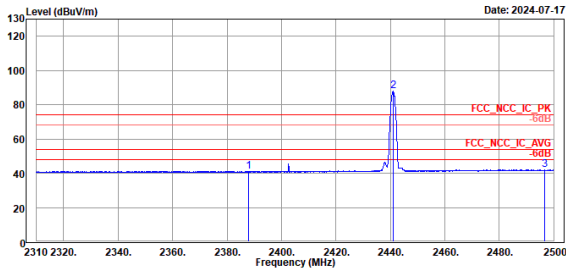
π/4-DQPSK

Middle Channel (Horizontal) Average

Middle Channel (Vertical) Average



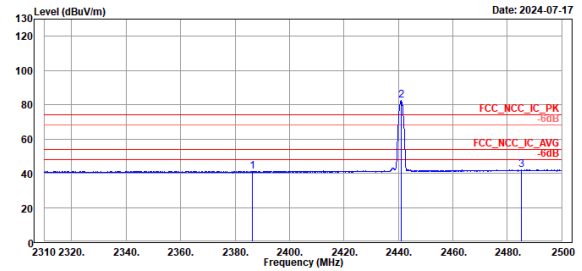
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
Level	Level	Level
Factor	Factor	Factor
Line	Line	Line
Limit	Limit	Limit
Over	Over	Over
Line	Line	Line
Limit	Limit	Limit
Apos	Apos	Apos
TPos	TPos	TPos
Remark	Remark	Remark
Pol/Phase	Pol/Phase	Pol/Phase
Note	Note	Note
2388.04	2441.00	2496.68
41.19	87.93	42.11
3.17	49.67	3.83
38.02	38.26	38.28
54.00	54.00	54.00
-12.01	33.93	-11.89
333	333	333
147 Average	147 Average	147 Average
Horizontal	Horizontal	Horizontal



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
Level	Level	Level
Factor	Factor	Factor
Line	Line	Line
Limit	Limit	Limit
Over	Over	Over
Line	Line	Line
Limit	Limit	Limit
Apos	Apos	Apos
TPos	TPos	TPos
Remark	Remark	Remark
Pol/Phase	Pol/Phase	Pol/Phase
Note	Note	Note
2386.24	2441.00	2485.23
41.08	82.60	42.01
3.07	44.34	3.73
38.01	38.26	38.28
54.00	54.00	54.00
-12.92	28.60	-11.99
100	100	100
265 Average	265 Average	265 Average
Vertical	Vertical	Vertical

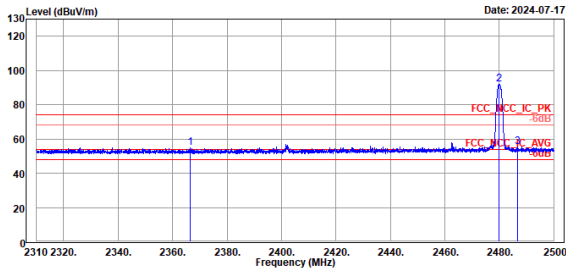
π/4-DQPSK

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



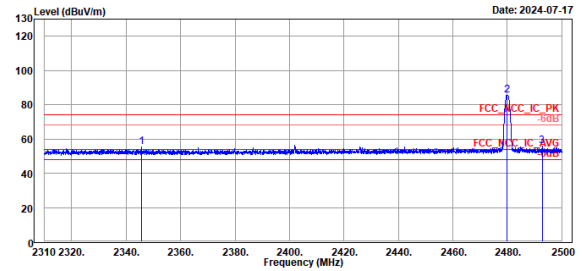
TÜV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	2366.57	55.05	17.10	37.95	74.00	-18.95	287	90	Peak	Horizontal	
2 *	2480.00	91.86	53.57	38.29	74.00	17.86	287	90	Peak	Horizontal	
3	2486.61	55.35	17.07	38.28	74.00	-18.65	287	90	Peak	Horizontal	



TÜV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	2345.50	55.17	17.30	37.87	74.00	-18.83	100	266	Peak	Vertical	
2 *	2480.00	85.71	47.42	38.29	74.00	11.71	100	266	Peak	Vertical	
3	2492.78	55.75	17.48	38.27	74.00	-18.25	100	266	Peak	Vertical	



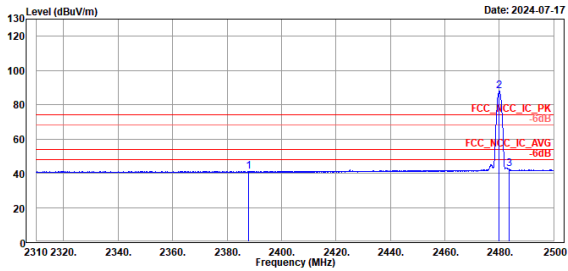
π/4-DQPSK

High Channel (Horizontal) Average

High Channel (Vertical) Average



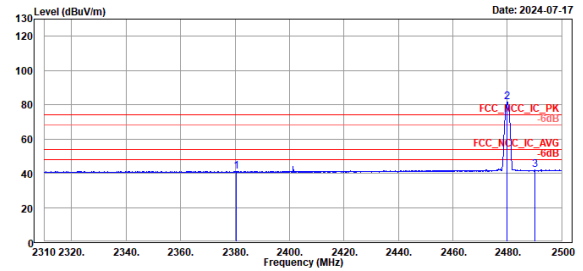
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	2388.00	41.05	3.03	38.02	54.00	-12.95	287	90	Average	Horizontal	
2	2480.00	87.75	49.46	38.29	54.00	33.75	287	90	Average	Horizontal	
3	2483.52	42.35	4.07	38.28	54.00	-11.65	287	90	Average	Horizontal	



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	2388.59	41.09	3.10	37.99	54.00	-12.91	100	266	Average	Vertical	
2	2480.00	81.56	43.27	38.29	54.00	27.56	100	266	Average	Vertical	
3	2490.07	41.89	3.61	38.28	54.00	-12.11	100	266	Average	Vertical	

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

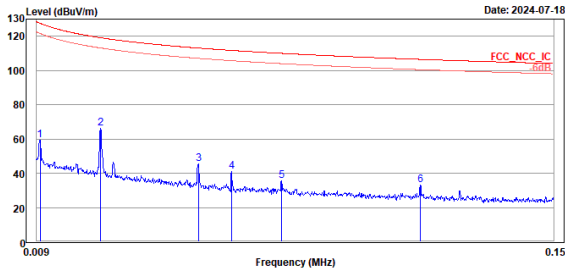
π/4-DQPSK

Low Channel(Open) 9kHz~150kHz

Low Channel(Open) 150kHz~30MHz



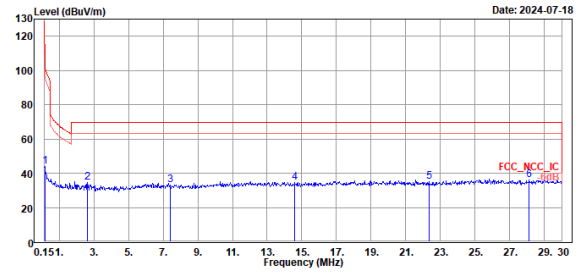
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Penfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	0.01	59.51	41.20	18.31	127.60	-68.09	100	145	Peak	Open	
2	0.03	66.26	46.45	19.81	119.13	-52.87	100	46	Peak	Open	
3	0.05	45.39	26.09	19.30	113.09	-67.70	100	44	Peak	Open	
4	0.06	41.13	22.33	18.80	111.72	-70.59	100	136	Peak	Open	
5	0.08	35.36	16.76	18.60	110.00	-74.64	100	108	Peak	Open	
6	0.11	33.10	14.49	18.61	106.49	-73.39	100	319	Peak	Open	



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Penfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	0.18	44.07	25.05	19.02	102.50	-58.43	100	219	Peak	Open	
2	2.63	34.67	15.54	19.13	69.50	-34.83	100	85	Peak	Open	
3	7.40	33.32	12.39	20.93	69.50	-36.18	100	113	Peak	Open	
4	14.60	34.69	13.15	21.54	69.50	-34.81	100	158	Peak	Open	
5	22.33	35.28	13.27	22.01	69.50	-34.22	100	184	Peak	Open	
6	28.12	35.96	12.92	23.04	69.50	-33.54	100	200	Peak	Open	

## Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

**π/4-DQPSK**

### Low Channel (Horizontal)

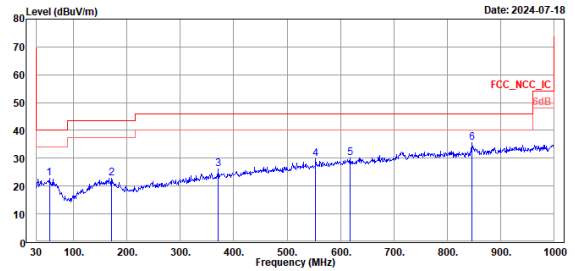
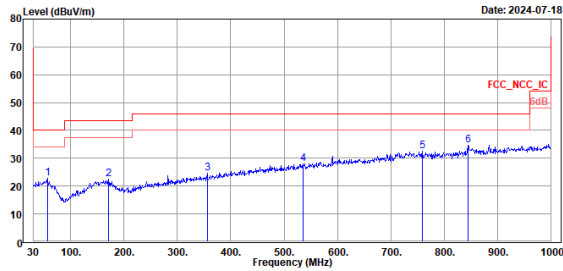
### Low Channel (Vertical)



TÜV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Penfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



TÜV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Penfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	56.19	22.82	28.80	-5.98	40.00	-17.18	300	210	Peak	Horizontal	
2	170.65	22.47	28.29	-5.82	43.50	-21.03	300	302	Peak	Horizontal	
3	355.92	24.76	28.96	-4.20	46.00	-21.24	200	21	Peak	Horizontal	
4	535.37	28.08	28.76	-0.68	46.00	-17.92	300	208	Peak	Horizontal	
5	759.44	32.48	28.90	3.58	46.00	-13.52	300	334	Peak	Horizontal	
6	844.80	34.79	30.40	4.39	46.00	-11.21	200	158	Peak	Horizontal	

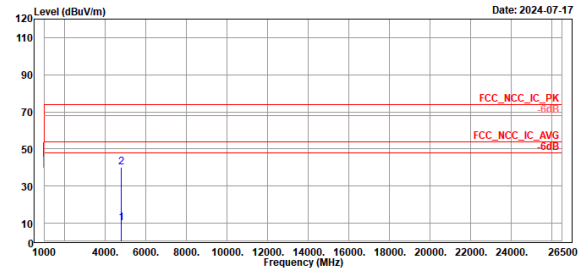
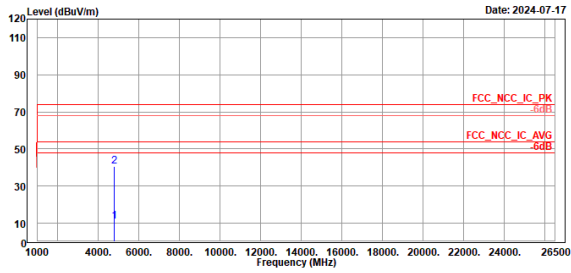
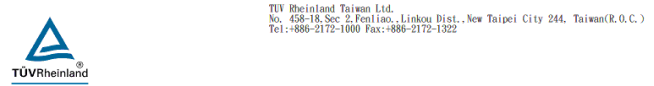
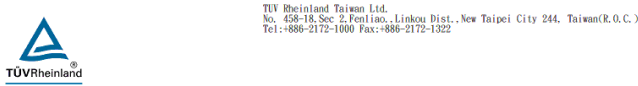
Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	54.25	22.72	28.57	-5.85	40.00	-17.28	103	360	Peak	Vertical	
2	170.65	22.85	28.67	-5.82	43.50	-20.65	200	183	Peak	Vertical	
3	371.44	26.10	29.87	-3.77	46.00	-19.90	100	272	Peak	Vertical	
4	553.80	29.04	30.09	-0.25	46.00	-16.16	100	318	Peak	Vertical	
5	618.79	30.14	29.12	1.02	46.00	-15.86	100	34	Peak	Vertical	
6	846.74	35.68	31.24	4.44	46.00	-10.32	200	360	Peak	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

GFSK

Low Channel (Horizontal)

Low Channel (Vertical)



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	4884.00	10.73	18.96	-8.23	54.00	-43.27	127	77 Average	Horizontal	CF
2	4884.00	40.83	49.06	-8.23	74.00	-33.17	127	77 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	4884.00	10.05	18.28	-8.23	54.00	-43.95	100	40 Average	Vertical	CF
2	4884.00	40.15	48.38	-8.23	74.00	-33.85	100	40 Peak	Vertical	

GFSK

Middle Channel (Horizontal)

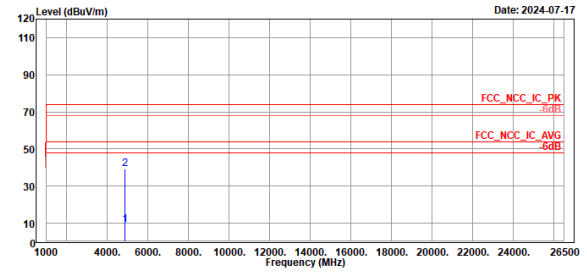
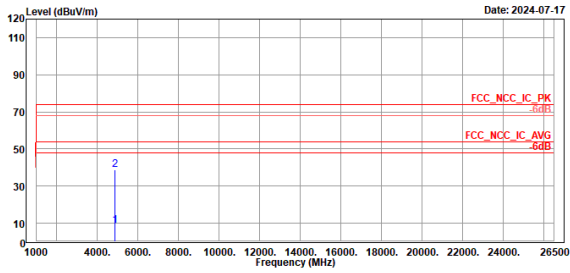
Middle Channel (Vertical)



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	4882.00	8.64	16.78	-8.14	54.00	-45.36	100	177 Average	Horizontal	CF
2	4882.00	38.74	46.88	-8.14	74.00	-35.26	100	177 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	4882.00	8.93	17.07	-8.14	54.00	-45.07	100	222 Average	Vertical	CF
2	4882.00	39.03	47.17	-8.14	74.00	-34.97	100	222 Peak	Vertical	

GFSK

High Channel (Horizontal)

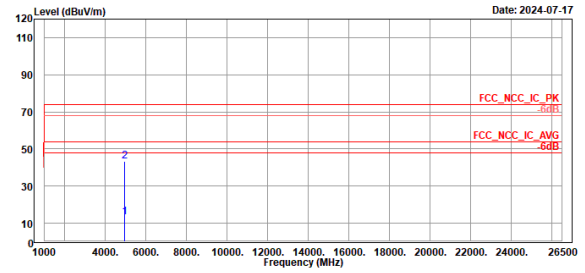
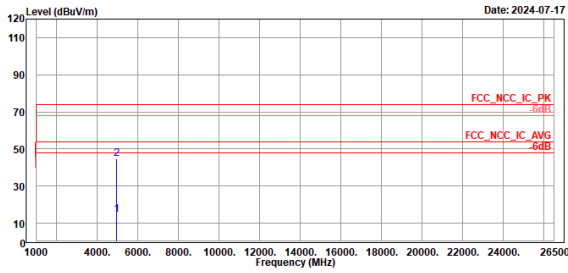
High Channel (Vertical)



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



Line	Freq	Level	Read Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4966.00	14.77	22.79	-8.02	54.00	-39.23	100	69	Average	Horizontal	CF
2	4966.00	44.87	52.89	-8.02	74.00	-29.13	100	69	Peak	Horizontal	

Line	Freq	Level	Read Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4966.00	13.08	21.10	-8.02	54.00	-40.92	100	96	Average	Vertical	CF
2	4966.00	43.18	51.20	-8.02	74.00	-30.82	100	96	Peak	Vertical	

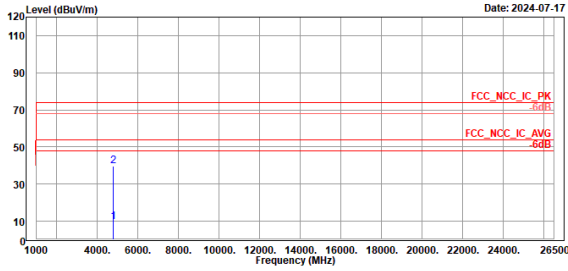
π/4-DQPSK

Low Channel (Horizontal)

Low Channel (Vertical)



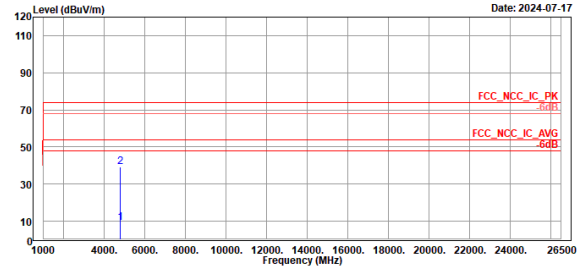
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	4884.00	9.59	17.82	-8.23	54.00	-44.41	180	340 Average	Horizontal	CF
2	4884.00	39.69	47.92	-8.23	74.00	-34.31	180	340 Peak	Horizontal	



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	4884.00	8.98	17.21	-8.23	54.00	-45.02	180	266 Average	Vertical	CF
2	4884.00	39.08	47.31	-8.23	74.00	-34.92	180	266 Peak	Vertical	

π/4-DQPSK

Middle Channel (Horizontal)

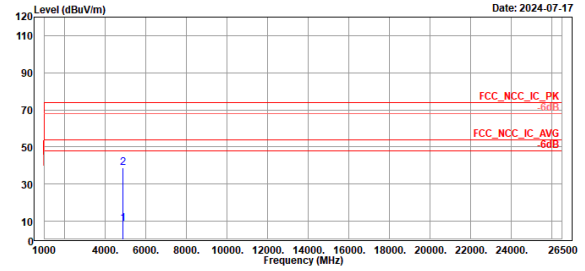
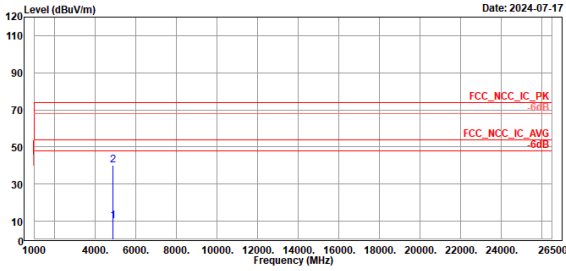
Middle Channel (Vertical)



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	4882.00	19.22	18.36	-8.14	54.00	-43.78	100	129 Average	Horizontal	CF
2	4882.00	49.32	48.46	-8.14	74.00	-33.68	100	129 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	4882.00	8.67	17.01	-8.14	54.00	-45.13	100	330 Average	Vertical	CF
2	4882.00	38.97	47.11	-8.14	74.00	-35.03	100	330 Peak	Vertical	



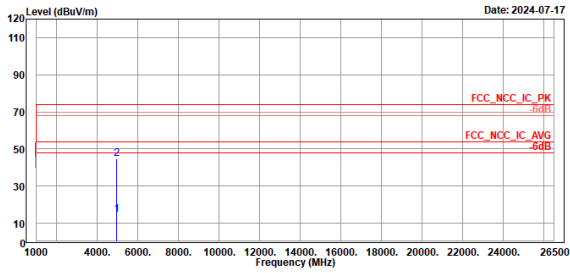
π/4-DQPSK

High Channel (Horizontal)

High Channel (Vertical)



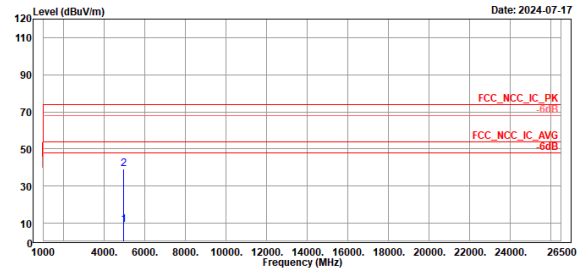
TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



Line	Freq	Level	Read Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4966.00	44.74	22.66	-8.02	54.00	-39.36	100	31	Average	Horizontal	CF
2	4966.00	44.74	52.76	-8.02	74.00	-29.26	100	31	Peak	Horizontal	



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



Line	Freq	Level	Read Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4966.00	39.32	17.24	-8.02	54.00	-44.76	100	66	Average	Vertical	CF
2	4966.00	39.32	47.34	-8.02	74.00	-34.68	100	66	Peak	Vertical	

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

Worst Band

(Line)

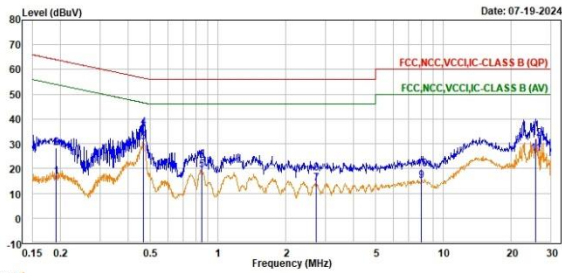
(Neutral)



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322

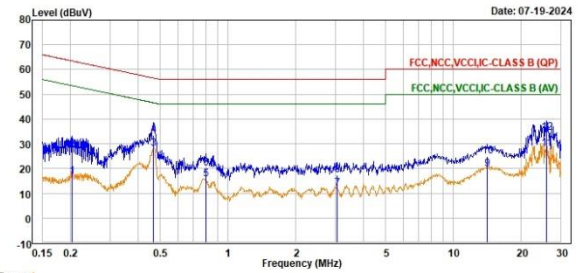


TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



Trace: 1

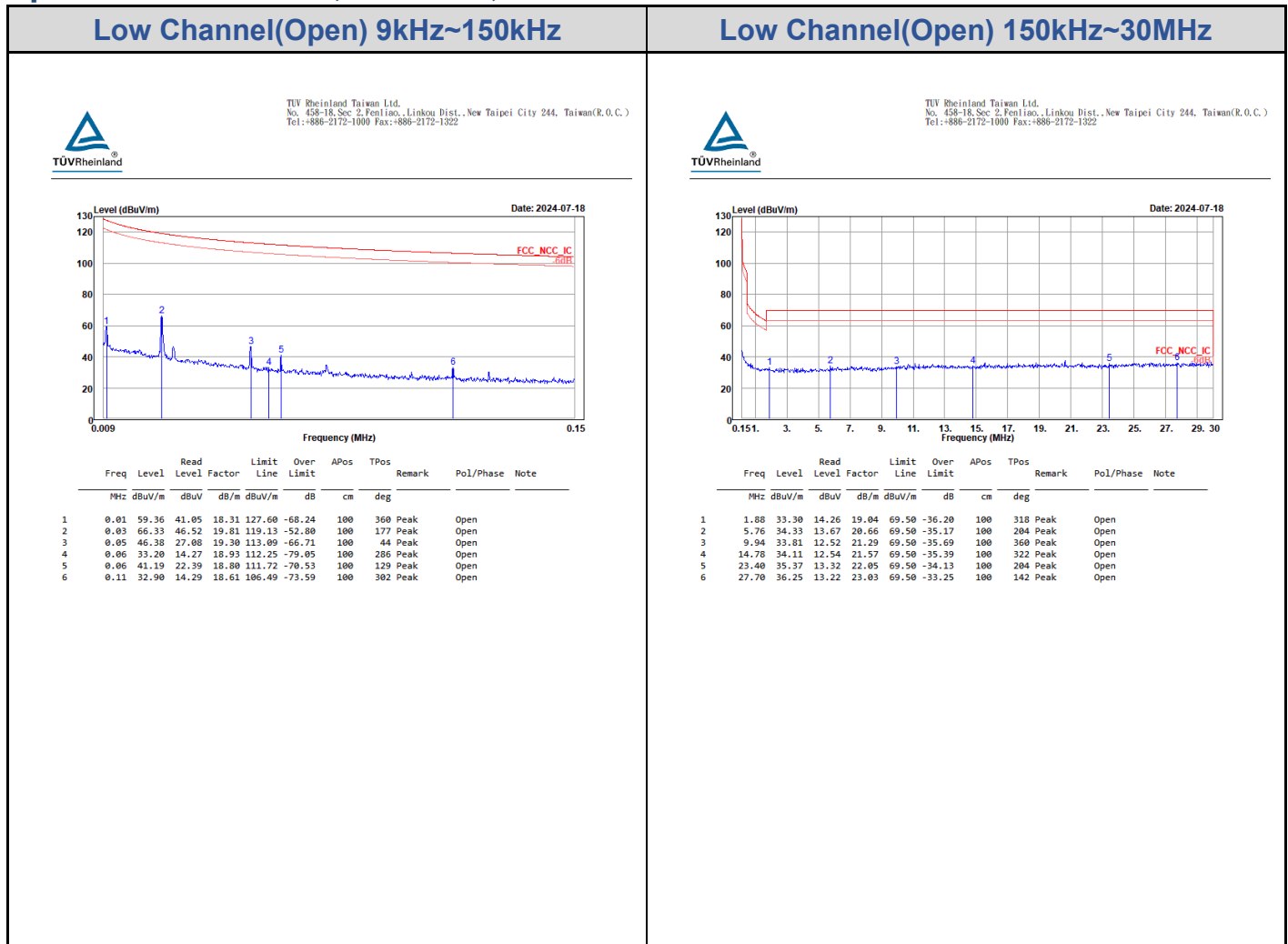
Line	Freq	Level	Read Level	Factor	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.19	16.71	7.09	9.62	54.01	-37.30	Average	line1	
2	0.19	28.45	18.83	9.62	64.01	-35.56	QP	line1	
3	0.47	30.64	21.01	9.63	46.00	-15.96	Average	line1	
4	0.47	36.65	27.02	9.63	56.00	-19.95	QP	line1	
5	0.85	19.45	9.81	9.64	46.00	-26.55	Average	line1	
6	0.85	23.33	13.69	9.64	56.00	-32.67	QP	line1	
7	2.73	13.86	4.20	9.66	46.00	-32.14	Average	line1	
8	2.73	18.16	8.50	9.66	56.00	-37.84	QP	line1	
9	7.97	14.92	5.18	9.74	50.00	-35.08	Average	line1	
10	7.97	19.74	10.00	9.74	60.00	-40.26	QP	line1	
11	25.70	25.99	16.25	9.74	50.00	-24.01	Average	line1	
12	25.70	31.96	22.22	9.74	60.00	-28.04	QP	line1	



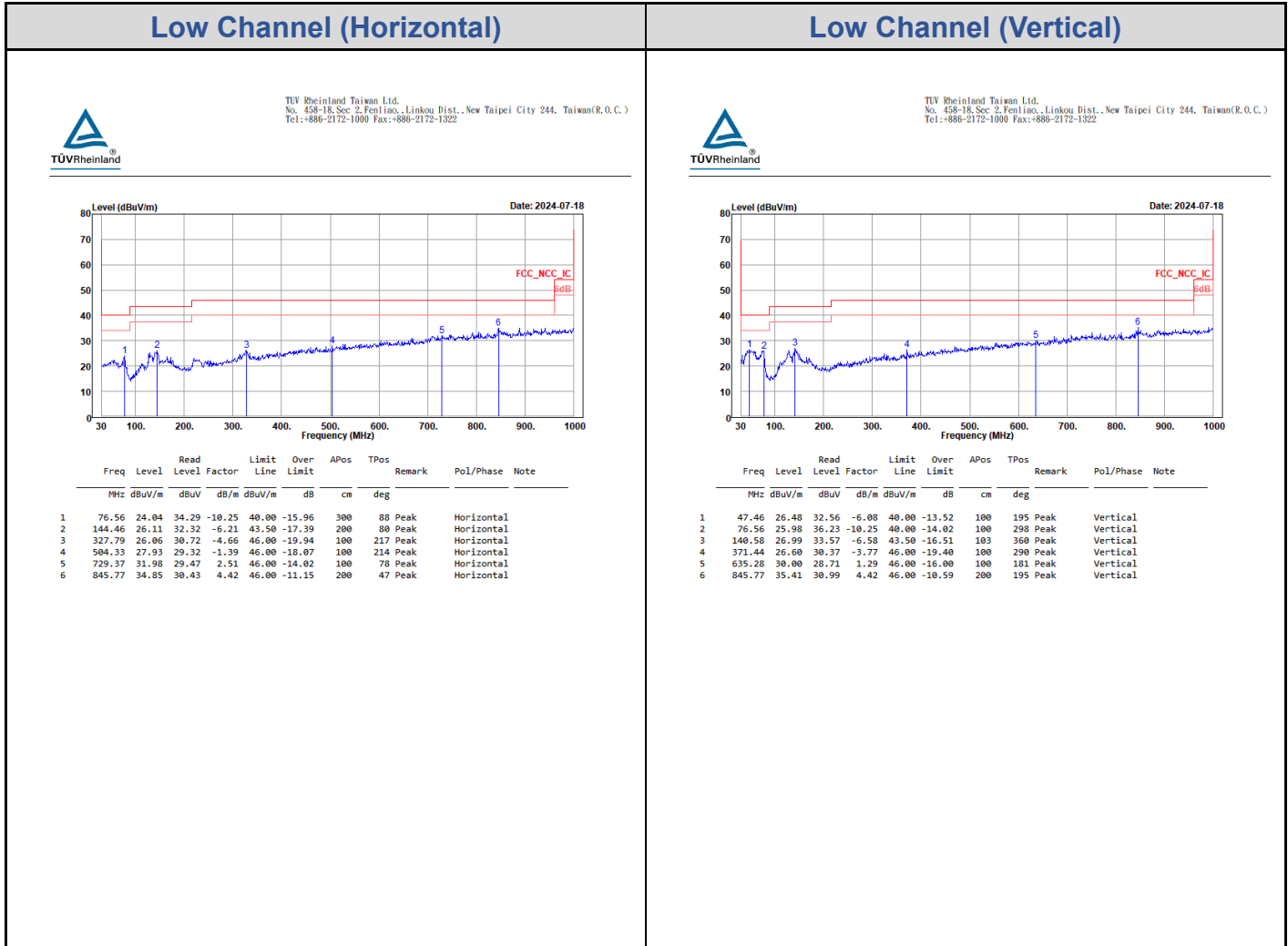
Trace: 1

Line	Freq	Level	Read Level	Factor	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.20	16.68	7.06	9.62	53.52	-36.84	Average	neutral	
2	0.20	27.21	17.59	9.62	63.52	-36.31	QP	neutral	
3	0.47	27.89	18.26	9.63	46.56	-18.67	Average	neutral	
4	0.47	33.58	23.95	9.63	56.56	-22.98	QP	neutral	
5	0.80	15.66	6.02	9.64	46.00	-30.34	Average	neutral	
6	0.80	20.18	10.54	9.64	56.00	-35.82	QP	neutral	
7	3.04	12.05	2.37	9.68	46.00	-33.95	Average	neutral	
8	3.04	17.21	7.53	9.68	56.00	-38.79	QP	neutral	
9	14.20	19.80	9.97	9.83	50.00	-30.20	Average	neutral	
10	14.20	25.01	15.18	9.83	60.00	-34.99	QP	neutral	
11	25.96	27.94	18.07	9.87	50.00	-22.06	Average	neutral	
12	25.96	34.55	24.68	9.87	60.00	-25.45	QP	neutral	

**Charge Mode**  
**Spurious Emissions, Tx Mode, 9kHz ~ 30MHz**



Spurious Emissions, Tx Mode, 30MHz ~ 1GHz



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

**Worst Band**

**(Line)**

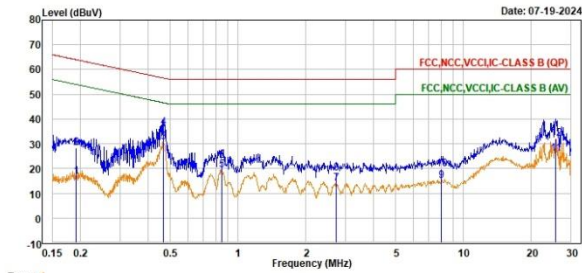
**(Neutral)**



TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322

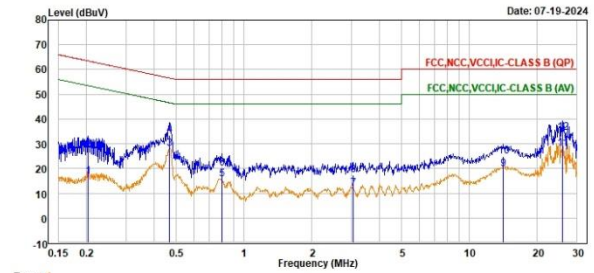


TUV Rheinland Taiwan Ltd.  
 No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



Trace: 1

Line	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor (dB)	Limit Line (dBuV)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.19	16.71	7.09	9.62	54.01	-37.30	Average	line1	
2	0.19	28.45	18.83	9.62	64.01	-35.56	QP	line1	
3	0.47	30.64	21.01	9.63	46.00	-15.96	Average	line1	
4	0.47	36.65	27.02	9.63	56.00	-19.95	QP	line1	
5	0.85	19.45	9.81	9.64	46.00	-26.55	Average	line1	
6	0.85	23.33	13.69	9.64	56.00	-32.67	QP	line1	
7	2.73	13.86	4.20	9.66	46.00	-32.14	Average	line1	
8	2.73	18.16	8.50	9.66	56.00	-37.84	QP	line1	
9	7.97	14.92	5.18	9.74	50.00	-35.08	Average	line1	
10	7.97	19.74	10.00	9.74	60.00	-40.26	QP	line1	
11	25.70	25.99	16.25	9.74	50.00	-24.01	Average	line1	
12	25.70	31.96	22.22	9.74	60.00	-28.04	QP	line1	



Trace: 1

Line	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor (dB)	Limit Line (dBuV)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.20	16.68	7.06	9.62	53.52	-36.84	Average	neutral	
2	0.20	27.21	17.59	9.62	63.52	-36.31	QP	neutral	
3	0.47	27.89	18.26	9.63	46.56	-18.67	Average	neutral	
4	0.47	33.58	23.95	9.63	56.56	-22.98	QP	neutral	
5	0.80	15.66	6.02	9.64	46.00	-30.34	Average	neutral	
6	0.80	20.18	10.54	9.64	56.00	-35.82	QP	neutral	
7	3.04	12.05	2.37	9.68	46.00	-33.95	Average	neutral	
8	3.04	17.21	7.53	9.68	56.00	-38.79	QP	neutral	
9	14.20	19.80	9.97	9.83	50.00	-30.20	Average	neutral	
10	14.20	25.01	15.18	9.83	60.00	-34.99	QP	neutral	
11	25.96	27.94	18.07	9.87	50.00	-22.06	Average	neutral	
12	25.96	34.55	24.68	9.87	60.00	-25.45	QP	neutral	