

BLE_1M

CH39 (Horizontal)

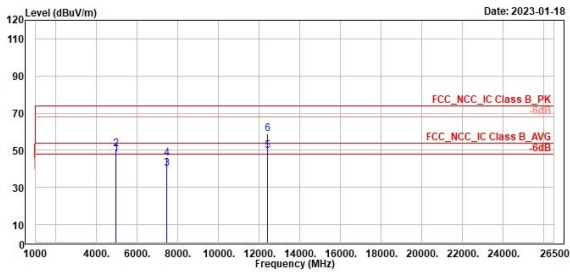
CH39 (Vertical)



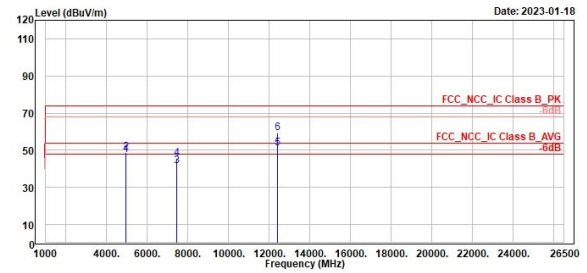
TUV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



TUV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	4	5	6
4960.00	47.78	56.17	-8.39	54.00	-6.22
4960.00	50.80	59.19	-8.39	74.00	-23.20
7440.00	40.27	46.58	-6.31	54.00	-13.73
7440.00	45.78	52.09	-6.31	74.00	-28.22
12400.00	49.52	47.94	1.58	54.00	-4.48
12400.00	58.86	57.28	1.58	74.00	-15.14



1	2	3	4	5	6
4960.00	47.53	55.92	-8.39	54.00	-6.47
4960.00	48.93	57.32	-8.39	74.00	-25.07
7440.00	41.43	47.74	-6.31	54.00	-12.57
7440.00	45.47	51.78	-6.31	74.00	-28.53
12400.00	51.07	49.49	1.58	54.00	-2.93
12400.00	59.28	57.70	1.58	74.00	-14.72

Mains Conducted Emission, 150kHz ~ 30MHz

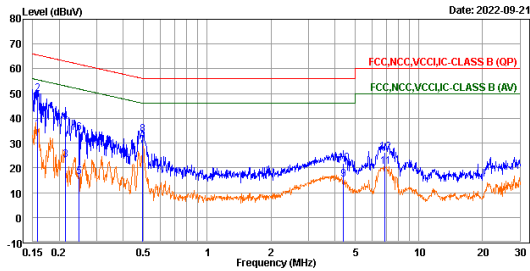
Worst Band

(Line)

(Neutral)



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan (R.O.C.)
Tel: +886-2112-1000 Fax: +886-2112-1022

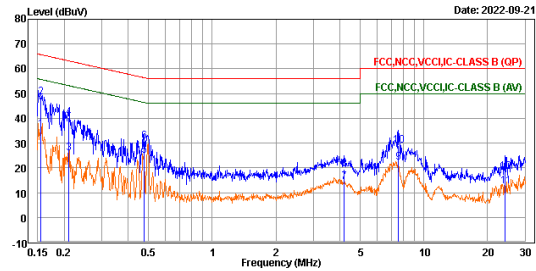


Trace: 1

Line	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor (dB)	Limit Line (dBuV)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.16	35.49	25.88	9.61	55.59	-20.10	Average	line	
2	0.16	49.75	40.14	9.61	65.59	-15.84	QP	line	
3	0.21	23.10	13.49	9.61	53.06	-29.96	Average	line	
4	0.21	38.76	29.15	9.61	63.06	-24.30	QP	line	
5	0.25	16.51	6.90	9.61	51.82	-35.31	Average	line	
6	0.25	34.04	24.43	9.61	61.82	-27.78	QP	line	
7	0.49	29.08	19.46	9.62	46.11	-17.03	Average	line	
8	0.49	33.35	23.73	9.62	56.11	-22.76	QP	line	
9	4.40	15.35	5.67	9.68	46.00	-30.65	Average	line	
10	4.40	21.78	12.10	9.68	56.00	-34.22	QP	line	
11	6.93	20.32	10.61	9.71	50.00	-29.68	Average	line	
12	6.93	26.15	16.44	9.71	60.00	-33.85	QP	line	



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan (R.O.C.)
Tel: +886-2112-1000 Fax: +886-2112-1022



Trace: 1

Line	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor (dB)	Limit Line (dBuV)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.16	35.46	25.87	9.59	55.71	-20.25	Average	neutral	
2	0.16	48.56	38.97	9.59	65.71	-17.15	QP	neutral	
3	0.21	25.85	16.26	9.59	53.18	-27.33	Average	neutral	
4	0.21	40.37	30.78	9.59	63.18	-22.81	QP	neutral	
5	0.48	24.92	15.32	9.60	46.40	-21.48	Average	neutral	
6	0.48	30.57	20.97	9.60	56.40	-25.83	QP	neutral	
7	4.21	14.22	4.56	9.66	46.00	-31.78	Average	neutral	
8	4.21	19.44	9.78	9.66	56.00	-36.56	QP	neutral	
9	7.58	22.30	12.59	9.71	50.00	-27.70	Average	neutral	
10	7.58	29.17	19.46	9.71	60.00	-30.83	QP	neutral	
11	24.21	12.72	2.90	9.82	50.00	-37.28	Average	neutral	
12	24.21	18.29	8.47	9.82	60.00	-41.71	QP	neutral	

Ant 6, ECC Mode
Band Edges, 2.31GHz ~ 2.9GHz

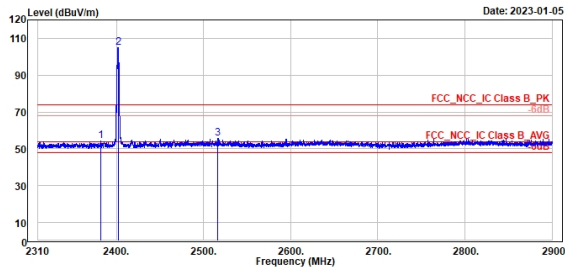
BLE_1M

CH37 (Horizontal) Peak

CH37 (Vertical) Peak



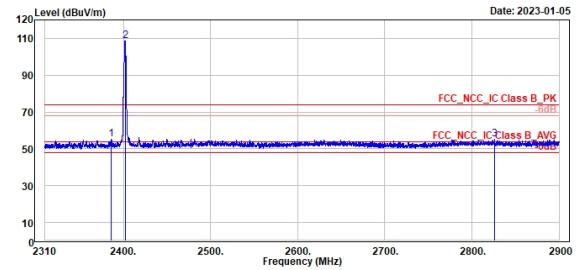
TUV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenliiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



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	2382.22	54.40	16.47	37.93	74.00	-19.60	107	168	Peak	Horizontal	
2 *	2402.00	105.17	67.24	37.93	74.00	31.17	107	168	Peak	Horizontal	
3	2516.62	55.70	17.42	38.28	74.00	-18.30	107	168	Peak	Horizontal	



TUV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenliiao, 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	2386.35	55.31	17.38	37.93	74.00	-18.69	112	196	Peak	Vertical	
2 *	2402.00	108.70	70.77	37.93	74.00	34.70	112	196	Peak	Vertical	
3	2825.78	55.08	16.47	38.61	74.00	-18.92	112	196	Peak	Vertical	

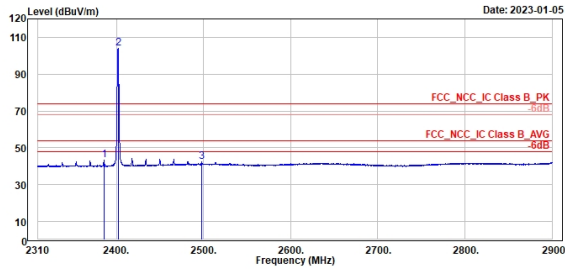
BLE_1M

CH37 (Horizontal) Average

CH37 (Vertical) Average



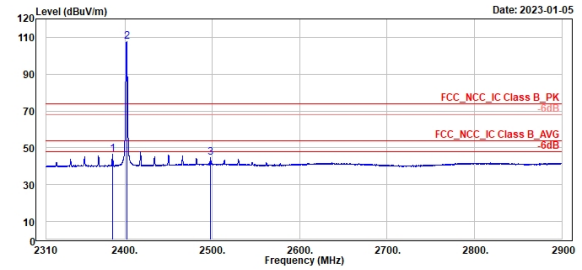
TUV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



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	2385.87	43.42	5.49	37.93	54.00	-10.58	107	168 Average	Horizontal	
2 *	2402.00	104.13	66.20	37.93	54.00	50.13	107	168 Average	Horizontal	
3	2497.97	42.51	4.18	38.33	54.00	-11.49	107	168 Average	Horizontal	



TUV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
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	2385.87	46.51	8.58	37.93	54.00	-7.49	112	196 Average	Vertical	
2 *	2402.00	107.74	69.81	37.93	54.00	53.74	112	196 Average	Vertical	
3	2497.97	44.74	6.41	38.33	54.00	-9.26	112	196 Average	Vertical	

BLE_1M

CH39 (Horizontal) Peak

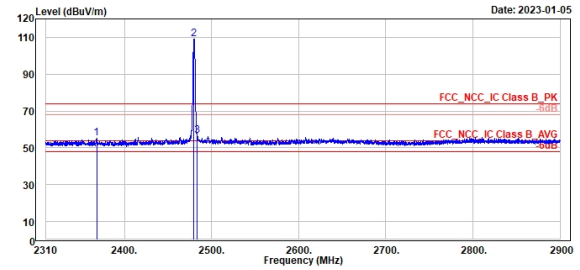
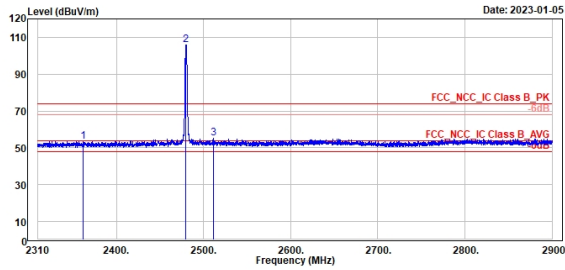
CH39 (Vertical) Peak



TUV Rheinland Taiwan Ltd.
No. 438-18, 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. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
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
2361.92	2480.00	2511.66
53.59	105.75	55.29
15.64	67.44	17.00
37.95	38.31	38.29
74.00	74.00	74.00
-20.41	31.75	-18.71
169	169	169
157 Peak	157 Peak	157 Peak
Horizontal	Horizontal	Horizontal

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
2368.17	2480.00	2483.81
55.19	109.01	56.49
17.25	70.70	18.18
37.94	38.31	38.31
74.00	74.00	74.00
-18.81	35.01	-17.51
109	109	109
200 Peak	200 Peak	200 Peak
Vertical	Vertical	Vertical

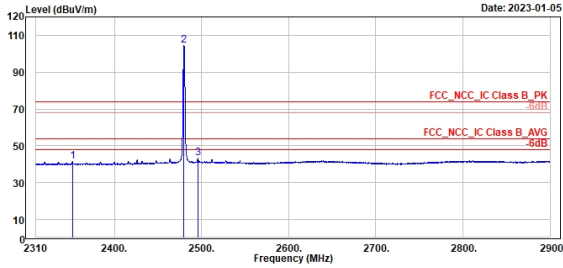
BLE_1M

CH39 (Horizontal) Average

CH39 (Vertical) Average



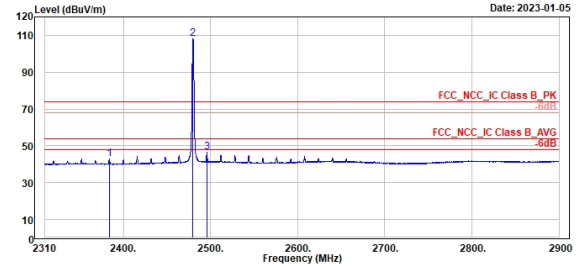
TUV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
Level	Level	Level
41.34	104.70	43.56
Factor	Factor	Factor
3.38	66.39	5.23
Limit	Limit	Limit
54.00	54.00	54.00
Over	Over	Over
-12.66	50.70	-10.44
APos	APos	APos
169	169	169
TPos	TPos	TPos
157	157	157
Remark	Remark	Remark
Average	Average	Average
Pol/Phase	Pol/Phase	Pol/Phase
Horizontal	Horizontal	Horizontal



TUV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
Level	Level	Level
42.87	108.03	46.40
Factor	Factor	Factor
4.94	69.72	8.07
Limit	Limit	Limit
54.00	54.00	54.00
Over	Over	Over
-11.13	54.03	-7.60
APos	APos	APos
109	109	109
TPos	TPos	TPos
200	200	200
Remark	Remark	Remark
Average	Average	Average
Pol/Phase	Pol/Phase	Pol/Phase
Vertical	Vertical	Vertical

BLE_2M

CH0 (Horizontal) Peak

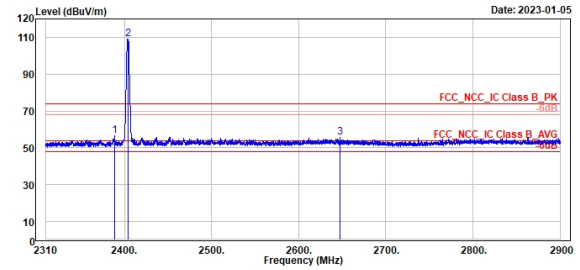
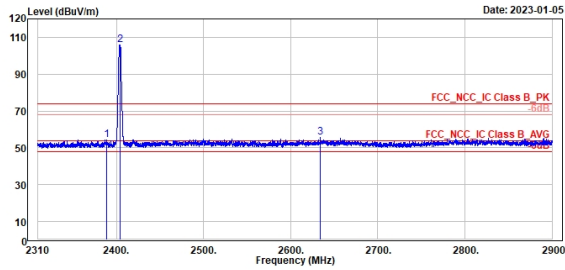
CH0 (Vertical) Peak



TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	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	2389.06	54.31	16.39	37.92	74.00	-19.69	201	166	Peak	Horizontal	
2 *	2404.00	105.86	67.92	37.94	74.00	31.86	201	166	Peak	Horizontal	
3	2633.79	55.60	17.18	38.42	74.00	-18.40	201	166	Peak	Horizontal	

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	2388.82	56.45	18.53	37.92	74.00	-17.55	127	196	Peak	Vertical	
2 *	2404.00	109.04	71.10	37.94	74.00	35.04	127	196	Peak	Vertical	
3	2647.24	55.46	17.05	38.41	74.00	-18.54	127	196	Peak	Vertical	

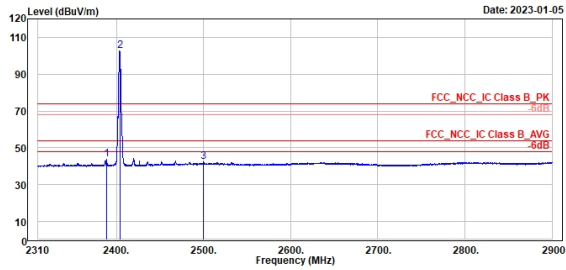
BLE_2M

CH0 (Horizontal) Average

CH0 (Vertical) Average



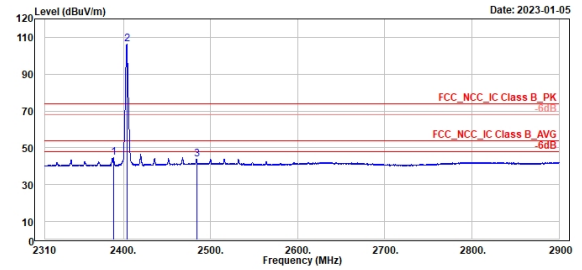
TUV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
Level	Level	Level
dBuV/m	dBuV/m	dBuV/m
43.60	102.68	42.24
5.68	64.74	3.91
37.92	37.94	38.33
54.00	54.00	54.00
-10.40	48.68	-11.76
201	201	201
166	166	166
Average	Average	Average
Horizontal	Horizontal	Horizontal



TUV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
Level	Level	Level
dBuV/m	dBuV/m	dBuV/m
44.92	106.22	43.96
7.00	68.28	5.65
37.92	37.94	38.31
54.00	54.00	54.00
-9.08	52.22	-10.04
127	127	127
196	196	196
Average	Average	Average
Vertical	Vertical	Vertical

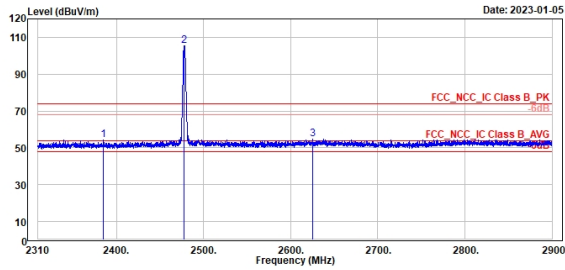
BLE_2M

CH36 (Horizontal) Peak

CH36 (Vertical) Peak



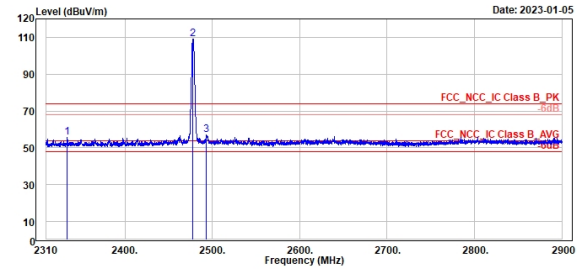
TUV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2384.81	54.31	16.38	37.93	74.00	-19.69	180	156	Peak	Horizontal	
2 *	2478.00	105.23	66.93	38.30	74.00	31.23	180	156	Peak	Horizontal	
3	2624.94	54.94	16.52	38.42	74.00	-19.06	180	156	Peak	Horizontal	



TUV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhiao, 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)	Factor (dB/m)	Limit (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2333.84	55.51	17.70	37.81	74.00	-18.49	128	224	Peak	Vertical	
2 *	2478.00	108.89	70.59	38.30	74.00	34.89	128	224	Peak	Vertical	
3	2493.02	57.06	18.74	38.32	74.00	-16.94	128	224	Peak	Vertical	

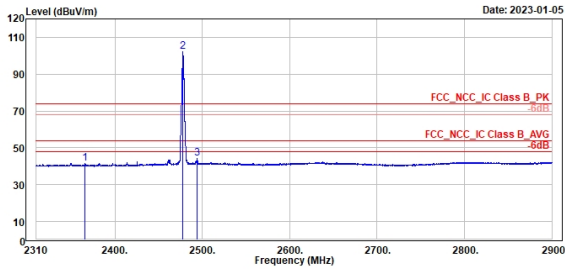
BLE_2M

CH36 (Horizontal) Average

CH36 (Vertical) Average



TUV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhua Rd., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322

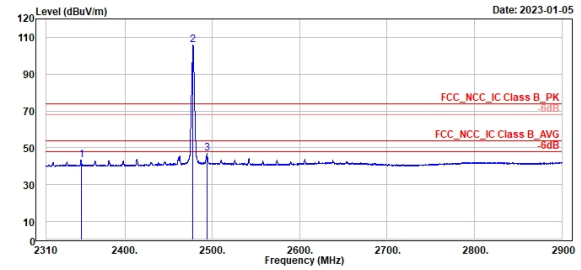


1	2	3
Level	Read Level	Factor
dBuV/m	dBuV	dB/m
41.45	3.51	37.94
102.42	64.12	38.30
44.41	6.09	38.32

Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
dB	dB	cm	deg			
54.00	-12.55	180	156	Average	Horizontal	
54.00	48.42	180	156	Average	Horizontal	
54.00	-9.59	180	156	Average	Horizontal	



TUV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhua Rd., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
Level	Read Level	Factor
dBuV/m	dBuV	dB/m
43.36	5.40	37.96
105.90	67.60	38.30
47.15	8.83	38.32

Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
dB	dB	cm	deg			
54.00	-10.64	128	224	Average	Vertical	
54.00	51.90	128	224	Average	Vertical	
54.00	-6.85	128	224	Average	Vertical	

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

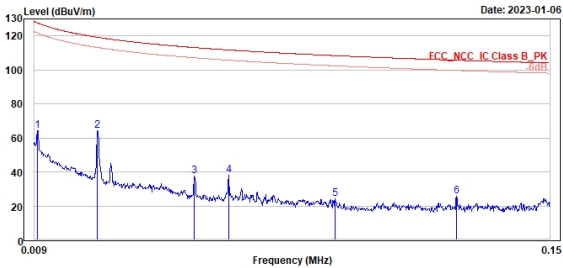
BLE_1M

CH39 (Open) 9kHz~150kHz

CH39 (Open) 150kHz~30MHz



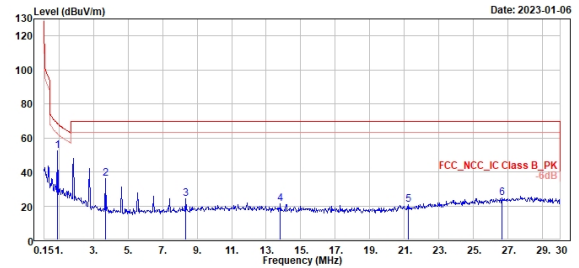
TUV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	PoI/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.01	64.12	35.28	28.84	127.72	-63.60	100	353	QP	Open
2	0.03	64.01	41.46	22.55	119.18	-55.17	100	103	QP	Open
3	0.05	37.75	21.73	16.02	113.13	-75.38	100	70	QP	Open
4	0.06	38.22	23.49	14.73	111.72	-73.50	100	256	QP	Open
5	0.09	24.06	13.34	10.72	106.40	-84.34	100	193	QP	Open
6	0.12	25.79	17.27	8.52	105.70	-79.91	100	229	QP	Open



TUV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	PoI/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.93	52.30	58.42	-6.12	68.27	-15.97	100	152	QP	Open
2	3.70	36.04	47.29	-11.25	69.50	-33.46	100	152	QP	Open
3	8.36	24.25	34.97	-10.72	69.50	-45.25	100	159	QP	Open
4	13.82	21.08	31.59	-10.51	69.50	-48.42	100	174	QP	Open
5	21.22	20.60	31.29	-10.61	69.50	-46.82	100	347	QP	Open
6	26.63	24.94	32.93	-7.99	69.50	-44.56	100	284	QP	Open

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

BLE_1M

CH39 (Horizontal)

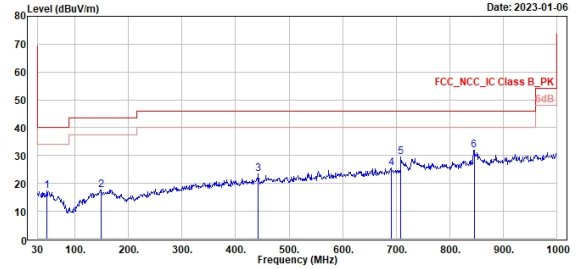
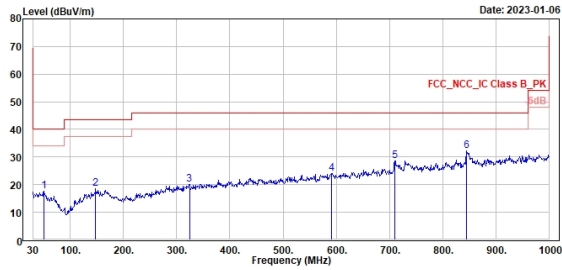
CH39 (Vertical)



TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenhua Rd., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenhua Rd., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
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	50.37	17.61	23.53	-5.92	40.00	-22.39	100	61 QP	Horizontal	
2	147.37	18.62	24.52	-5.90	43.50	-24.88	200	122 QP	Horizontal	
3	323.91	20.13	24.29	-4.16	46.00	-25.87	219	360 QP	Horizontal	
4	590.05	24.17	24.05	0.12	46.00	-21.83	200	360 QP	Horizontal	
5	709.97	28.71	26.89	1.82	46.00	-17.29	100	129 QP	Horizontal	
6	844.80	32.13	28.10	4.03	46.00	-13.87	268	360 QP	Horizontal	

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	47.46	17.33	23.89	-5.76	40.00	-22.67	300	301 QP	Vertical	
2	148.34	17.62	23.58	-5.96	43.50	-25.88	200	224 QP	Vertical	
3	442.25	23.38	25.45	-2.07	46.00	-22.62	100	8 QP	Vertical	
4	690.57	25.45	23.76	1.69	46.00	-20.55	400	266 QP	Vertical	
5	709.00	29.40	27.58	1.82	46.00	-16.60	100	74 QP	Vertical	
6	845.77	32.00	27.97	4.03	46.00	-14.00	374	360 QP	Vertical	

BLE_1M

CH17 (Horizontal)

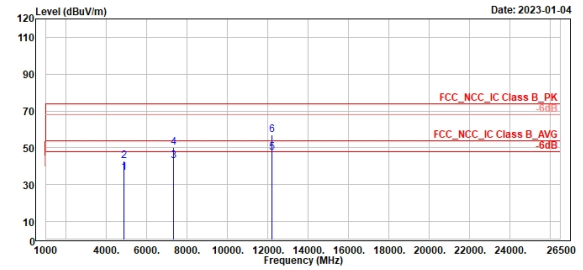
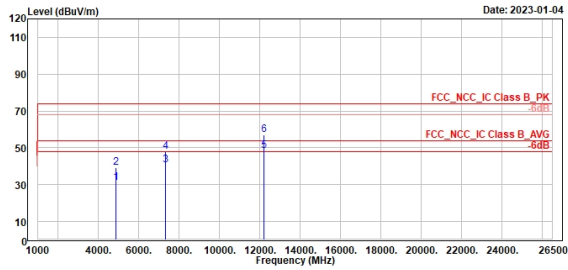
CH17 (Vertical)



TUV Rheinland Taiwan Ltd.
No. 438-18, 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. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
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	4880.00	31.24	39.80	-8.56	54.00	-22.76	336	360 Average	Horizontal	
2	4880.00	39.37	47.93	-8.56	74.00	-34.63	336	360 Peak	Horizontal	
3	7320.00	40.45	46.66	-6.21	54.00	-13.55	300	308 Average	Horizontal	
4	7320.00	47.72	53.93	-6.21	74.00	-26.28	300	308 Peak	Horizontal	
5	12200.00	48.28	47.00	1.28	54.00	-5.72	116	14 Average	Horizontal	
6	12200.00	57.10	55.82	1.28	74.00	-16.90	116	14 Peak	Horizontal	

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	4880.00	36.38	44.94	-8.56	54.00	-17.62	300	313 Average	Vertical	
2	4880.00	42.87	51.43	-8.56	74.00	-31.13	300	313 Peak	Vertical	
3	7320.00	42.69	48.90	-6.21	54.00	-11.31	100	237 Average	Vertical	
4	7320.00	50.13	56.34	-6.21	74.00	-23.87	100	237 Peak	Vertical	
5	12200.00	47.32	46.04	1.28	54.00	-6.68	400	334 Average	Vertical	
6	12200.00	56.99	55.71	1.28	74.00	-17.01	400	334 Peak	Vertical	

BLE_1M

CH39 (Horizontal)

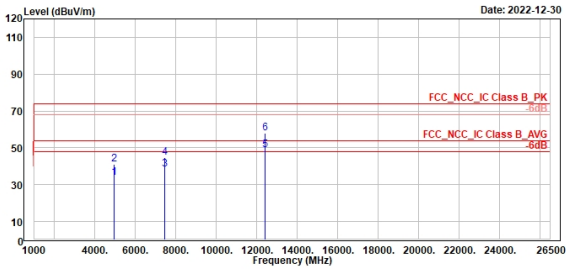
CH39 (Vertical)



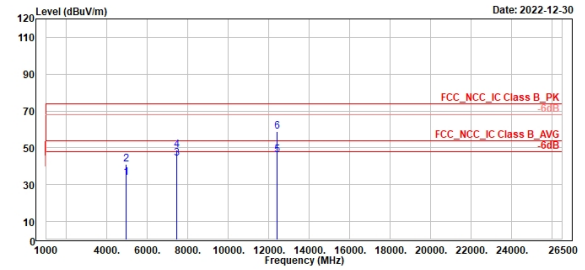
TUV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



TUV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhiao, 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	4960.00	33.57	41.96	-8.39	54.00	-20.43	300	297 Average	Horizontal	
2	4960.00	41.17	49.56	-8.39	74.00	-32.83	300	297 Peak	Horizontal	
3	7440.00	38.16	44.47	-6.31	54.00	-15.84	400	360 Average	Horizontal	
4	7440.00	44.51	50.82	-6.31	74.00	-29.49	400	360 Peak	Horizontal	
5	12400.00	48.73	47.15	1.58	54.00	-5.27	100	360 Average	Horizontal	
6	12400.00	58.08	56.50	1.58	74.00	-15.92	100	360 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	4960.00	33.73	42.12	-8.39	54.00	-20.27	100	125 Average	Vertical	
2	4960.00	40.90	49.29	-8.39	74.00	-33.10	100	125 Peak	Vertical	
3	7440.00	44.31	50.62	-6.31	54.00	-9.69	300	273 Average	Vertical	
4	7440.00	48.89	55.20	-6.31	74.00	-25.11	300	273 Peak	Vertical	
5	12400.00	46.24	44.66	1.58	54.00	-7.76	244	360 Average	Vertical	
6	12400.00	58.66	57.08	1.58	74.00	-15.34	244	360 Peak	Vertical	

BLE_2M

CH0 (Horizontal)

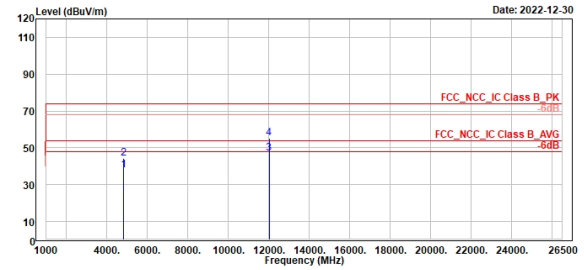
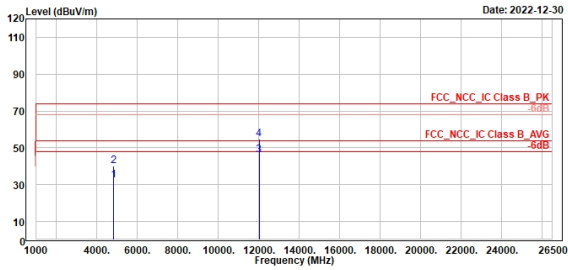
CH0 (Vertical)



TUV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhua Rd., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



TUV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhua Rd., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note									
1	Freq	Level	Level	Line	Limit	cm	deg												
1	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg											
1	4888.00	32.26	40.77	-8.51	54.00	-21.74	300	148	Average	Horizontal									
2	4888.00	40.31	48.82	-8.51	74.00	-33.69	300	148	Peak	Horizontal									
3	12020.00	46.09	45.18	0.91	54.00	-7.91	100	357	Average	Horizontal									
4	12020.00	54.96	54.05	0.91	74.00	-19.04	100	357	Peak	Horizontal									

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note									
1	Freq	Level	Level	Line	Limit	cm	deg												
1	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg											
1	4888.00	37.95	46.46	-8.51	54.00	-16.05	200	294	Average	Vertical									
2	4888.00	44.44	52.95	-8.51	74.00	-29.56	200	294	Peak	Vertical									
3	12020.00	46.88	45.97	0.91	54.00	-7.12	390	360	Average	Vertical									
4	12020.00	55.36	54.45	0.91	74.00	-18.64	390	360	Peak	Vertical									

BLE_2M

CH0 (Horizontal)

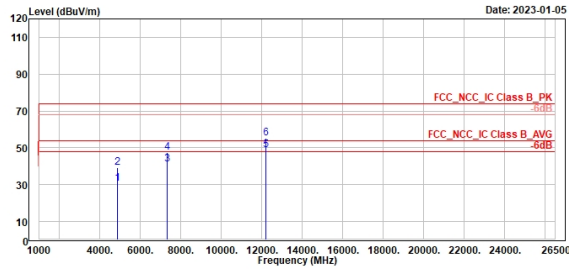
CH0 (Vertical)



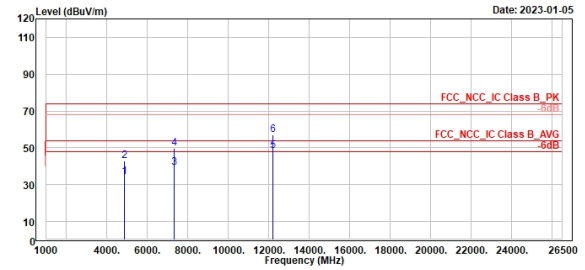
TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhua Rd., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenhua Rd., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note									
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg												
4880.00	30.47	39.03	-8.56	54.00	-23.53	200	226	Average	Horizontal										
4880.00	39.30	47.86	-8.56	74.00	-34.70	200	226	Peak	Horizontal										
7320.00	41.26	47.47	-6.21	54.00	-12.74	200	154	Average	Horizontal										
7320.00	47.59	53.80	-6.21	74.00	-26.41	200	154	Peak	Horizontal										
12200.00	48.70	47.42	1.28	54.00	-5.30	100	3	Average	Horizontal										
12200.00	55.40	54.12	1.28	74.00	-18.60	100	3	Peak	Horizontal										



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note									
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg												
4880.00	34.23	42.79	-8.56	54.00	-19.77	100	147	Average	Vertical										
4880.00	42.88	51.44	-8.56	74.00	-31.12	100	147	Peak	Vertical										
7320.00	39.05	45.26	-6.21	54.00	-14.95	227	360	Average	Vertical										
7320.00	49.93	56.14	-6.21	74.00	-24.07	227	360	Peak	Vertical										
12200.00	48.23	46.95	1.28	54.00	-5.77	100	44	Average	Vertical										
12200.00	56.97	55.69	1.28	74.00	-17.03	100	44	Peak	Vertical										

BLE_2M

CH36 (Horizontal)

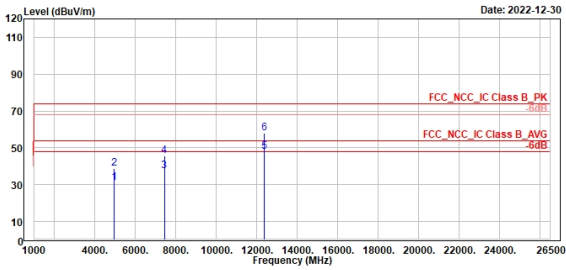
CH36 (Vertical)



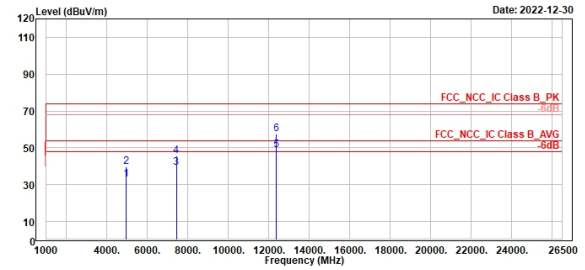
TUV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenhua, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



TUV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenhua, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4956.00	31.23	39.60	-8.37	54.00	-22.77	400	153 Average	Horizontal
2	4956.00	38.99	47.36	-8.37	74.00	-35.01	400	153 Peak	Horizontal
3	7434.00	37.60	43.91	-6.31	54.00	-16.40	400	358 Average	Horizontal
4	7434.00	45.52	51.83	-6.31	74.00	-28.48	400	358 Peak	Horizontal
5	12390.00	48.04	46.46	1.58	54.00	-5.96	100	360 Average	Horizontal
6	12390.00	57.86	56.28	1.58	74.00	-16.14	100	360 Peak	Horizontal



Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4956.00	32.65	41.02	-8.37	54.00	-21.35	200	131 Average	Vertical
2	4956.00	39.53	47.90	-8.37	74.00	-34.47	200	131 Peak	Vertical
3	7434.00	39.44	45.75	-6.31	54.00	-14.56	400	200 Average	Vertical
4	7434.00	45.47	51.78	-6.31	74.00	-28.53	400	200 Peak	Vertical
5	12390.00	48.91	47.33	1.58	54.00	-5.09	100	310 Average	Vertical
6	12390.00	57.47	55.89	1.58	74.00	-16.53	100	310 Peak	Vertical

Ant 6, ECC Mode for 2nd Source
Band Edges, 2.31GHz ~ 2.9GHz

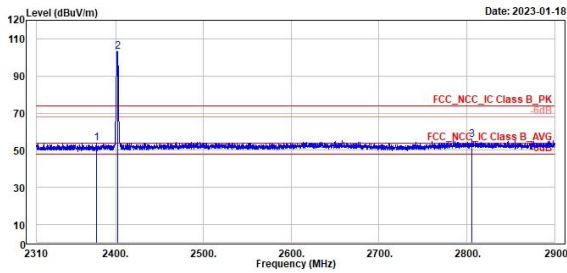
BLE_1M

CH37 (Horizontal) Peak

CH37 (Vertical) Peak



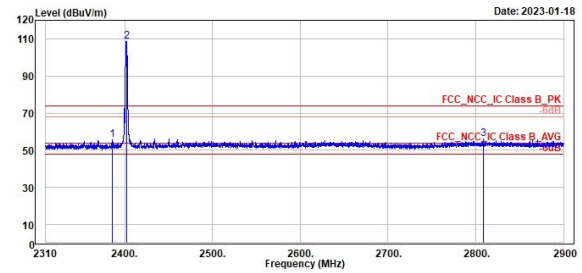
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3
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
2377.85	2402.00	2885.95
53.82	103.29	55.51
15.89	65.36	16.93
37.93	37.93	38.58
74.00	74.00	74.00
-20.18	29.29	-18.49
194	194	194
148	148	148
Peak	Peak	Peak
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
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
2386.23	2402.00	2888.20
55.61	108.77	56.01
17.68	70.84	17.42
37.93	37.93	38.59
74.00	74.00	74.00
-18.39	34.77	-17.99
272	272	272
71	71	71
Peak	Peak	Peak
Vertical	Vertical	Vertical

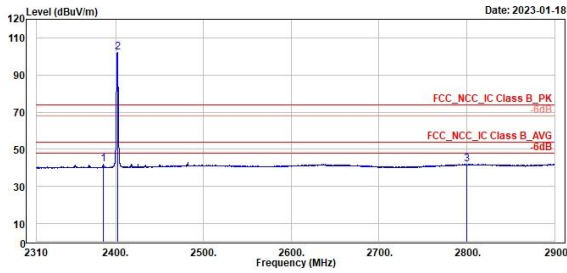
BLE_1M

CH17 (Horizontal) Average

CH17 (Vertical) Average



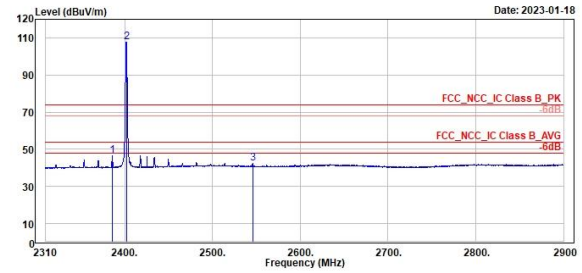
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
2385.99	42.04	4.11	37.93	54.00	-11.96	194	148	Average	Horizontal		
2402.00	102.31	64.38	37.93	54.00	48.31	194	148	Average	Horizontal		
2799.46	41.94	3.36	38.58	54.00	-12.06	194	148	Average	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	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
2385.99	46.47	8.54	37.93	54.00	-7.53	272	71	Average	Vertical		
2402.00	107.79	69.86	37.93	54.00	53.79	272	71	Average	Vertical		
2545.88	42.39	4.19	38.20	54.00	-11.61	272	71	Average	Vertical		

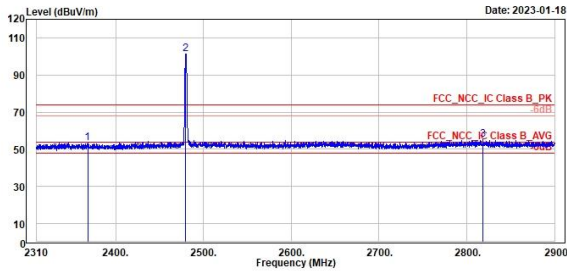
BLE_1M

CH39 (Horizontal) Peak

CH39 (Vertical) Peak



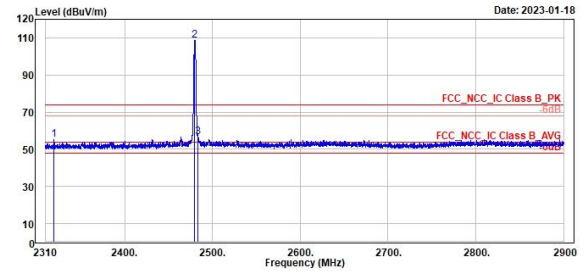
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2368.17	53.31	15.37	37.94	74.00	-20.69	100	317	Peak	Horizontal	
2 *	2488.00	101.36	63.05	38.31	74.00	27.36	100	317	Peak	Horizontal	
3	2817.87	55.01	16.41	38.60	74.00	-18.99	100	317	Peak	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



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2319.79	55.05	17.37	37.68	74.00	-18.95	100	101	Peak	Vertical	
2 *	2488.00	108.73	70.42	38.31	74.00	34.73	100	101	Peak	Vertical	
3	2483.58	56.37	18.06	38.31	74.00	-17.63	100	101	Peak	Vertical	

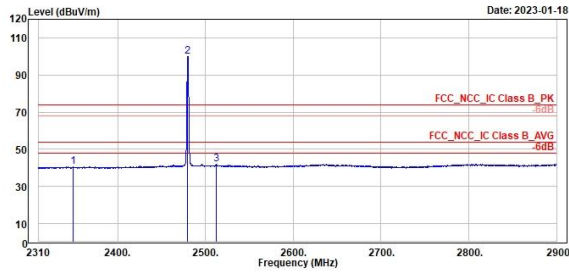
BLE_1M

CH39 (Horizontal) Average

CH39 (Vertical) Average



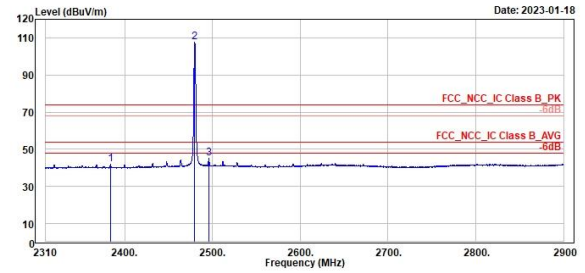
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3								
Level	Read Level	Factor								
Factor	Limit Line	Over Limit								
APos	TPos	Remark								
Pol/Phase	Note									
MHz	dBuV/m	dBuV								
dB/m	dBuV/m	dB								
2349.53	40.50	2.54	37.96	54.00	-13.50	100	317	Average	Horizontal	
2488.00	100.06	61.75	38.31	54.00	46.06	100	317	Average	Horizontal	
2512.02	42.03	3.74	38.29	54.00	-11.97	100	317	Average	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								
Level	Read Level	Factor								
Factor	Limit Line	Over Limit								
APos	TPos	Remark								
Pol/Phase	Note									
MHz	dBuV/m	dBuV								
dB/m	dBuV/m	dB								
2383.99	41.85	3.92	37.93	54.00	-12.15	100	101	Average	Vertical	
2488.00	107.74	69.43	38.31	54.00	53.74	100	101	Average	Vertical	
2496.09	45.14	6.81	38.33	54.00	-8.86	100	101	Average	Vertical	

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

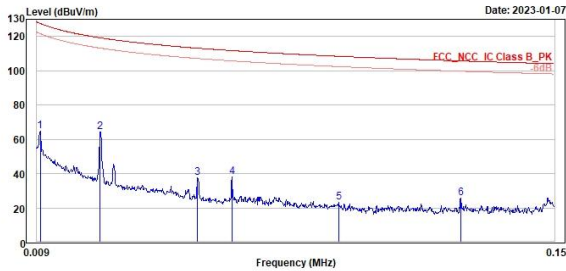
BLE_1M

CH39 (Open) 9kHz~150kHz

CH39 (Open) 150kHz~30MHz



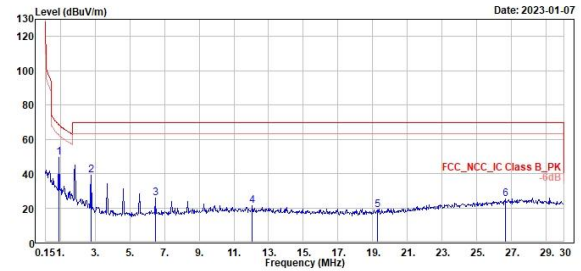
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
dB	dBuV	dB/m	dBuV/m	dB	cm	deg			
64.56	35.93	28.63	127.60	-63.04	100	37	QP	Open	
64.31	41.76	22.55	119.18	-54.87	100	327	QP	Open	
37.77	21.75	16.02	113.13	-75.36	100	34	QP	Open	
38.19	25.37	14.73	111.72	-73.62	100	334	QP	Open	
23.34	12.62	10.72	108.40	-85.06	100	240	QP	Open	
25.47	16.95	8.52	105.70	-80.23	100	135	QP	Open	



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



Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
dB	dBuV	dB/m	dBuV/m	dB	cm	deg			
49.64	55.76	-6.12	68.27	-18.63	100	103	QP	Open	
38.90	49.36	-10.46	69.50	-30.60	100	103	QP	Open	
25.86	37.21	-11.35	69.50	-43.64	100	132	QP	Open	
21.25	31.57	-10.32	69.50	-48.25	100	169	QP	Open	
19.93	30.04	-11.11	69.50	-50.57	100	277	QP	Open	
25.10	33.09	-7.99	69.50	-44.40	100	206	QP	Open	