

Appendix B: Test Results of Radiated Spurious Emissions & Mains

Conducted Emission Test _ANT 1

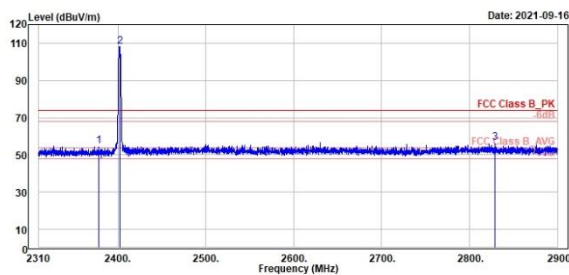
Band Edges, 2.31GHz ~ 2.9GHz

BLE_1M

Low Channel (Horizontal) Peak



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

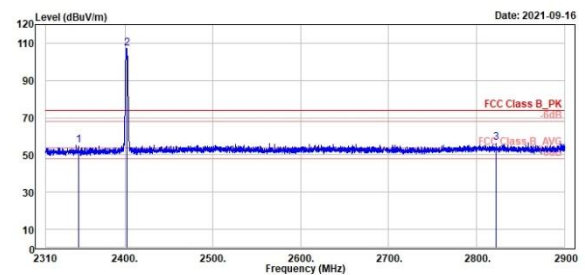


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2378.67	54.57	17.09	37.48	74.00	-19.43	105	57	Peak	Horizontal	
2 *	2402.00	100.00	70.36	37.64	74.00	34.00	105	57	Peak	Horizontal	
3	2828.50	56.45	18.11	38.34	74.00	-17.55	105	57	Peak	Horizontal	

Low Channel (Vertical) Peak



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



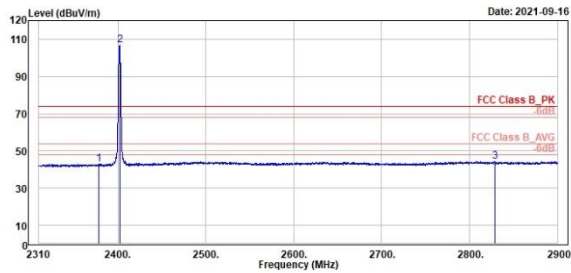
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2347.81	55.16	17.89	37.27	74.00	-18.84	101	96	Peak	Vertical	
2 *	2402.00	107.35	69.71	37.64	74.00	33.35	101	96	Peak	Vertical	
3	2821.79	56.41	18.08	38.33	74.00	-17.59	101	96	Peak	Vertical	

BLE_1M

Low Channel (Horizontal) Average



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

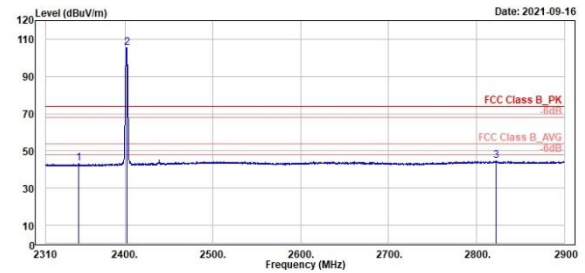


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	2378.67	43.00	5.52	37.48	54.00	-11.00	105	57	Average	Horizontal	
2 *	2402.00	106.55	68.91	37.64	54.00	52.55	105	57	Average	Horizontal	
3	2828.50	44.33	5.99	38.34	54.00	-9.67	105	57	Average	Horizontal	

Low Channel (Vertical) Average



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



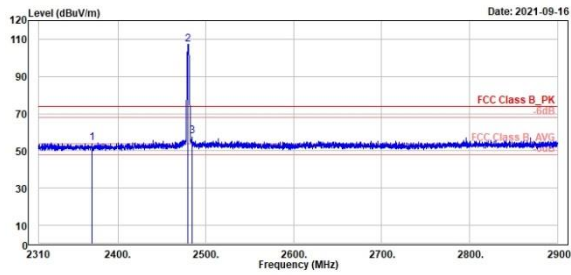
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	2347.81	43.15	5.88	37.27	54.00	-10.85	101	96	Average	Vertical	
2 *	2402.00	105.43	67.79	37.64	54.00	51.43	101	96	Average	Vertical	
3	2821.79	44.60	6.27	38.33	54.00	-9.40	101	96	Average	Vertical	

BLE_1M

High Channel (Horizontal) Peak



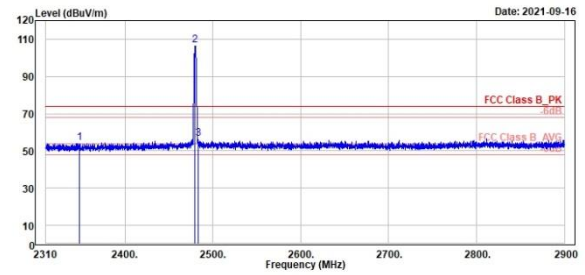
TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenliiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2378.77	54.31	16.89	37.42	74.00	-19.69	100		57 Peak	Horizontal		
2 *	2480.00	107.36	69.21	38.15	74.00	33.36	100		57 Peak	Horizontal		
3	2484.17	57.99	19.82	38.17	74.00	-16.01	100		57 Peak	Horizontal		



TÜV 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



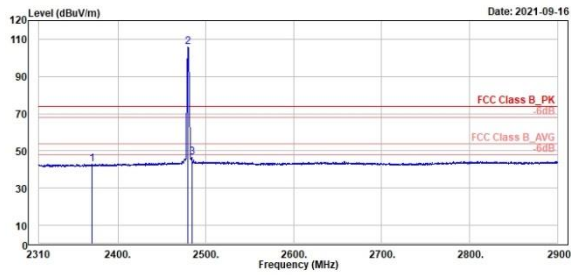
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2348.82	54.26	16.99	37.27	74.00	-19.74	100		96 Peak	Vertical		
2 *	2480.00	106.55	68.40	38.15	74.00	32.55	100		96 Peak	Vertical		
3	2483.81	56.37	18.20	38.17	74.00	-17.63	100		96 Peak	Vertical		

BLE_1M

High Channel (Horizontal) Average



TÜV 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

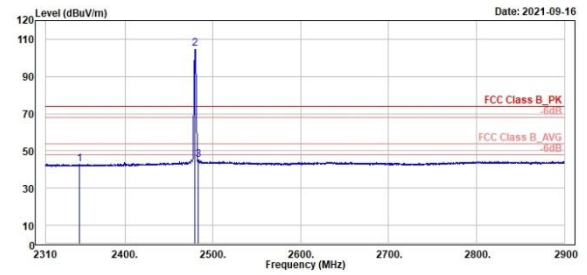


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2370.77	42.86	5.44	37.42	54.00	-11.14	100	57	Average	Horizontal		
2 *	2480.00	105.74	67.59	38.15	54.00	51.74	100	57	Average	Horizontal		
3	2494.17	46.60	8.43	38.17	54.00	-7.40	100	57	Average	Horizontal		

High Channel (Vertical) Average



TÜV 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



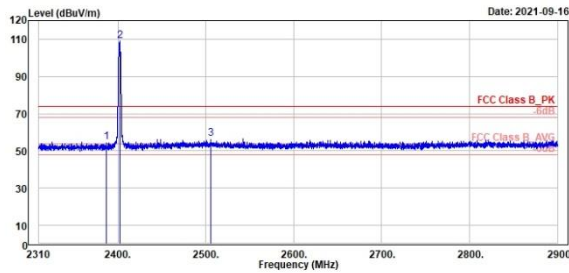
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2348.82	42.97	5.70	37.27	54.00	-11.03	100	96	Average	Vertical		
2 *	2480.00	104.90	66.75	38.15	54.00	50.90	100	96	Average	Vertical		
3	2483.81	45.29	7.12	38.17	54.00	-8.71	100	96	Average	Vertical		

BLE_2M

Low Channel (Horizontal) Peak



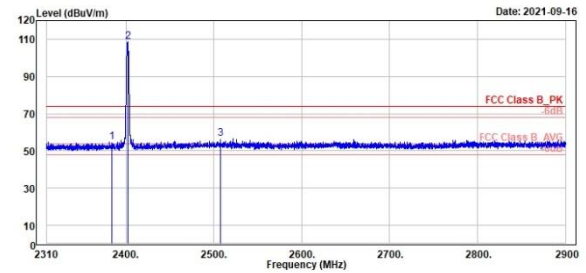
TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenliiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	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	2386.58	54.84	17.30	37.54	74.00	-19.16	106	57	Peak	Horizontal		
2 *	2402.00	109.12	71.48	37.64	74.00	35.12	106	57	Peak	Horizontal		
3	2505.64	56.37	18.13	38.24	74.00	-17.63	106	57	Peak	Horizontal		

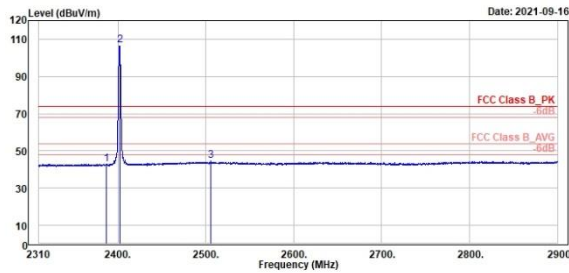


TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenliiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



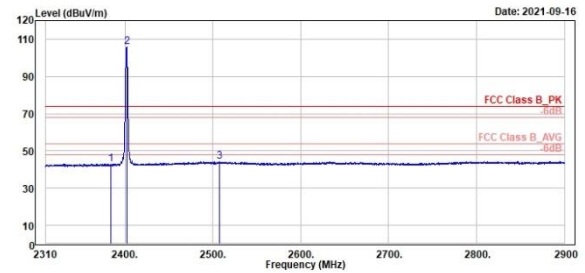
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2383.99	54.79	17.28	37.51	74.00	-19.21	100	96	Peak	Vertical		
2 *	2402.00	100.62	70.98	37.64	74.00	34.62	100	96	Peak	Vertical		
3	2508.00	56.40	18.17	38.23	74.00	-17.60	100	96	Peak	Vertical		

BLE_2M
Low Channel (Horizontal) Average

 TÜV 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


	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	2386.58	43.06	5.52	37.54	54.00	-10.94	106	57	Average	Horizontal		
2 *	2402.00	106.60	68.96	37.64	54.00	52.60	106	57	Average	Horizontal		
3	2505.64	44.60	6.36	38.24	54.00	-9.40	106	57	Average	Horizontal		

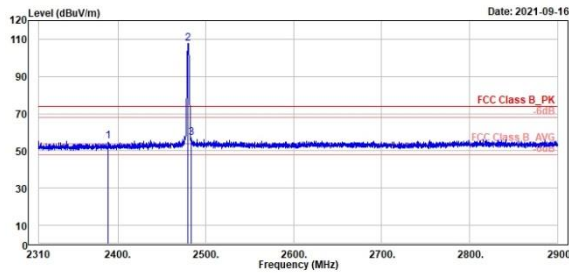
Low Channel (Vertical) Average

 TÜV 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


	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	2383.99	42.96	5.45	37.51	54.00	-11.04	100	96	Average	Vertical		
2 *	2402.00	105.74	68.18	37.64	54.00	51.74	100	96	Average	Vertical		
3	2508.00	44.27	6.04	38.23	54.00	-9.73	100	96	Average	Vertical		

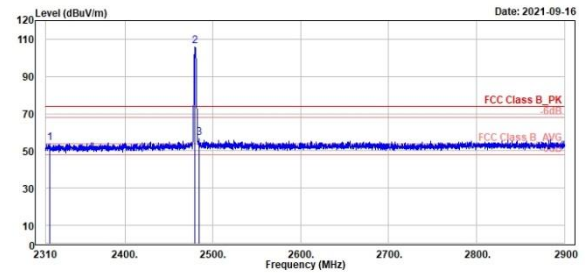
BLE_2M

High Channel (Horizontal) Peak



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2388.59	55.08	17.53	37.55	74.00	-18.92	100	58	Peak	Horizontal		
2 *	2480.00	107.59	69.44	38.15	74.00	33.59	100	58	Peak	Horizontal		
3	2483.81	57.25	19.08	38.17	74.00	-16.75	100	58	Peak	Horizontal		

High Channel (Vertical) Peak



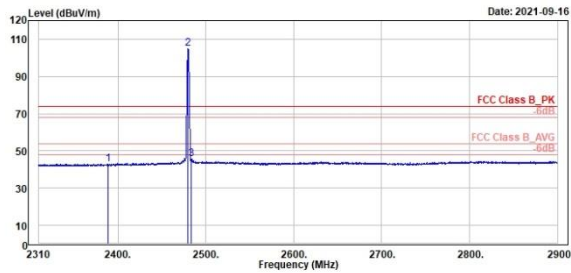
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2314.96	54.41	17.25	37.16	74.00	-19.59	101	96	Peak	Vertical		
2 *	2480.00	106.24	68.09	38.15	74.00	32.24	101	96	Peak	Vertical		
3	2484.29	56.90	18.73	38.17	74.00	-17.10	101	96	Peak	Vertical		

BLE_2M

High Channel (Horizontal) Average



TÜV 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

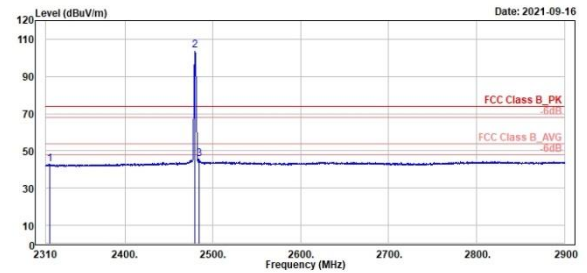


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg			
1	2388.59	42.97	5.42	37.55	54.00	-11.03	100	58	Average	Horizontal		
2 *	2480.00	104.95	66.80	38.15	54.00	50.95	100	58	Average	Horizontal		
3	2483.81	45.82	7.65	38.17	54.00	-8.18	100	58	Average	Horizontal		

High Channel (Vertical) Average



TÜV 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



	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	2314.96	42.81	5.65	37.16	54.00	-11.19	101	96	Average	Vertical		
2 *	2480.00	103.94	65.79	38.15	54.00	49.94	101	96	Average	Vertical		
3	2484.29	45.77	7.60	38.17	54.00	-8.23	101	96	Average	Vertical		

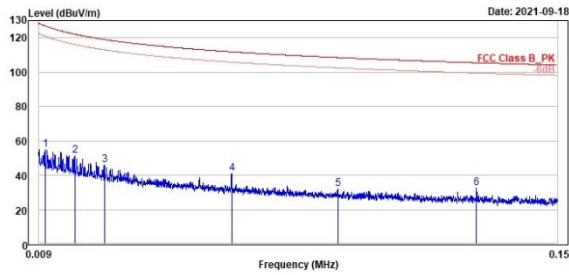
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

BLE_2M

High Channel (Open) 9kHz~150kHz



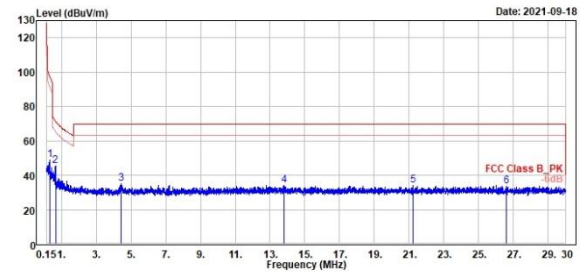
TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.01	55.02	35.06	19.96	126.97	-71.95	100	197	QP	Open	
2	0.02	51.58	31.41	20.17	122.11	-70.53	100	182	QP	Open	
3	0.03	46.19	25.91	20.28	119.01	-72.82	100	202	QP	Open	
4	0.06	40.79	20.50	20.29	111.83	-71.04	100	85	QP	Open	
5	0.09	32.11	11.85	20.26	108.48	-76.37	100	177	QP	Open	
6	0.13	32.52	12.31	20.21	105.45	-72.93	100	141	QP	Open	



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



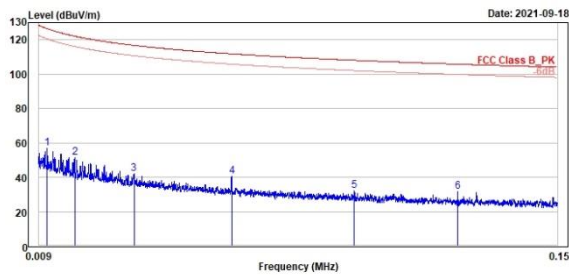
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.34	49.15	29.02	20.13	97.02	-47.07	100	192	QP	Open	
2	0.65	45.24	25.12	20.12	71.33	-26.09	100	194	QP	Open	
3	4.46	35.11	14.86	20.25	69.50	-34.39	100	178	QP	Open	
4	13.80	34.22	13.80	20.42	69.50	-35.28	100	343	QP	Open	
5	21.22	34.14	13.64	20.50	69.50	-35.36	100	351	QP	Open	
6	26.59	33.69	13.15	20.54	69.50	-35.81	100	132	QP	Open	

BLE_2M

High Channel (Close) 9kHz~150kHz



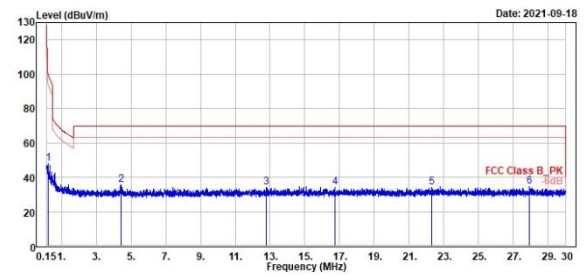
TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.01	56.65	36.70	19.95	126.55	-69.90	100	194	QP	Close	
2	0.02	51.56	31.39	20.17	122.11	-70.55	100	190	QP	Close	
3	0.03	41.88	21.56	20.32	116.74	-74.86	100	256	QP	Close	
4	0.06	40.39	20.10	20.29	111.83	-71.44	100	135	QP	Close	
5	0.09	32.18	11.93	20.25	108.06	-75.88	100	167	QP	Close	
6	0.12	31.53	11.31	20.22	105.81	-74.28	100	353	QP	Close	



TÜV Rheinland Taiwan Ltd.
No. 438-18, 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	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.23	48.19	28.03	20.16	100.34	-52.15	100	162	QP	Close	
2	4.41	35.70	15.46	20.24	69.50	-35.00	100	269	QP	Close	
3	12.80	34.00	13.60	20.40	69.50	-35.50	100	169	QP	Close	
4	16.74	33.90	13.44	20.46	69.50	-35.60	100	218	QP	Close	
5	22.32	33.98	13.46	20.52	69.50	-35.52	100	164	QP	Close	
6	27.90	34.36	13.83	20.53	69.50	-35.14	100	360	QP	Close	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

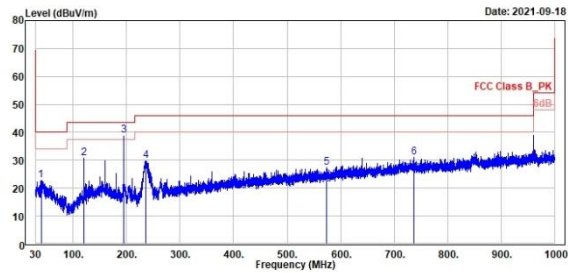
BLE_1M/2M

High Channel (Horizontal)

High Channel (Vertical)



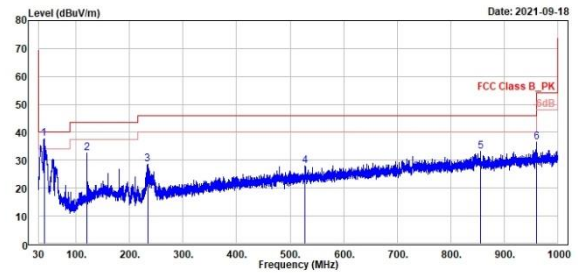
TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	39.99	22.77	31.08	-8.31	40.00	-17.23	300	170	QP	Horizontal		
2	119.92	30.62	40.64	-9.82	43.50	-12.68	100	104	QP	Horizontal		
3	194.00	38.83	48.86	-10.03	43.50	-4.67	100	149	QP	Horizontal		
4	235.74	29.88	38.29	-8.41	46.00	-16.12	230	220	QP	Horizontal		
5	574.27	27.48	29.40	-1.92	46.00	-18.52	100	88	QP	Horizontal		
6	737.32	30.95	29.94	1.01	46.00	-15.05	100	67	QP	Horizontal		



TÜV Rheinland Taiwan Ltd.
No. 438-18, 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	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	39.99	37.65	45.06	-8.31	40.00	-2.35	300	338	QP	Vertical		
2	119.92	32.44	42.26	-9.82	43.50	-11.06	100	139	QP	Vertical		
3	233.51	28.74	37.24	-8.50	46.00	-17.26	200	253	QP	Vertical		
4	528.39	27.87	30.39	-2.52	46.00	-18.13	100	182	QP	Vertical		
5	856.15	33.12	30.39	2.73	46.00	-12.88	390	77	QP	Vertical		
6	968.04	36.58	32.12	4.46	54.00	-17.42	285	147	QP	Vertical		

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

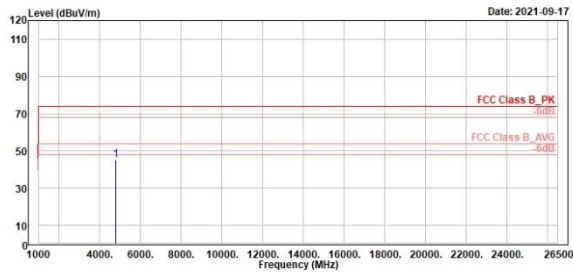
BLE_1M

Low Channel (Horizontal)

Low Channel (Vertical)



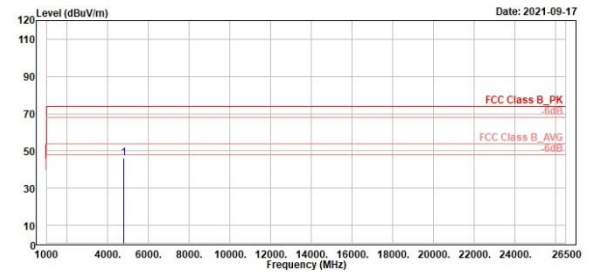
TÜV Rheinland Taiwan Ltd.
 No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



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	45.10	54.88	-9.78	74.00	-28.90	200	160	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



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	46.10	55.88	-9.78	74.00	-27.90	132	270	Peak	Vertical	

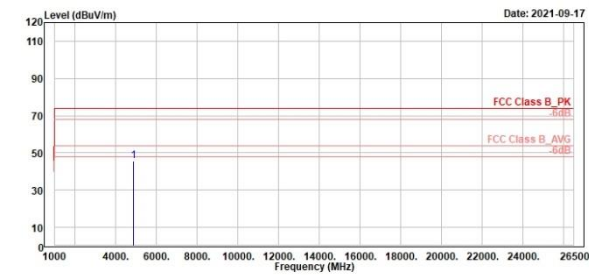
BLE_1M

Middle Channel (Horizontal)

Middle Channel (Vertical)



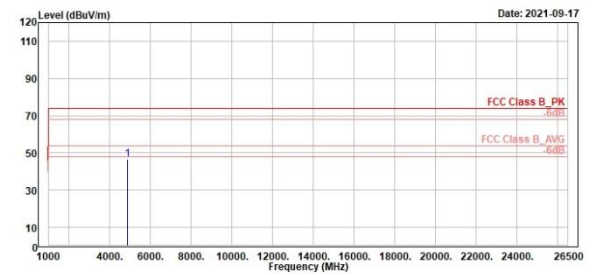
TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenliiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



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	45.81	55.48	-9.67	74.00	-28.19	190	360	Peak	Horizontal		



TÜV 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



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	46.67	56.34	-9.67	74.00	-27.33	132	168	Peak	Vertical		

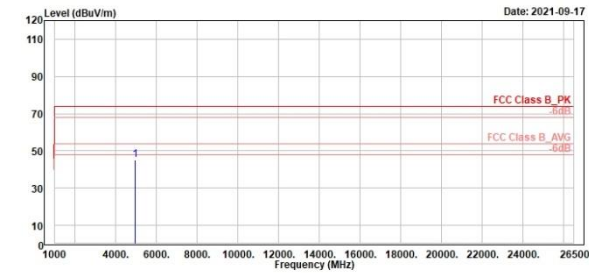
BLE_1M

High Channel (Horizontal)

High Channel (Vertical)



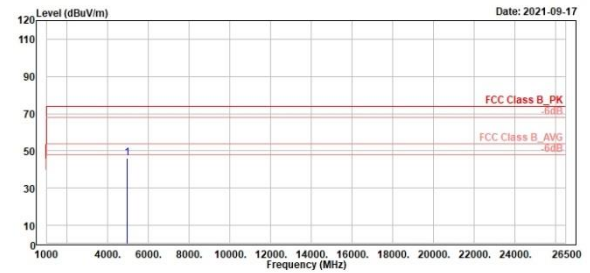
TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	45.06	54.52	-9.46	74.00	-28.94	100	231	Peak	Horizontal		



TÜV Rheinland Taiwan Ltd.
No. 438-18, 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	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	45.99	55.45	-9.46	74.00	-28.01	135	163	Peak	Vertical		

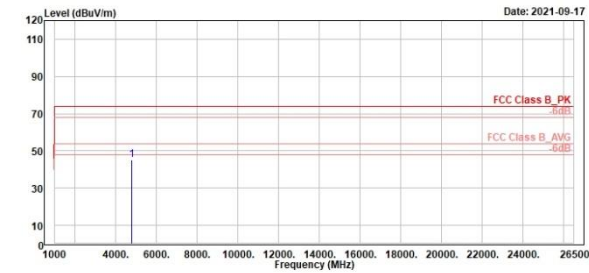
BLE_2M

Low Channel (Horizontal)

Low Channel (Vertical)



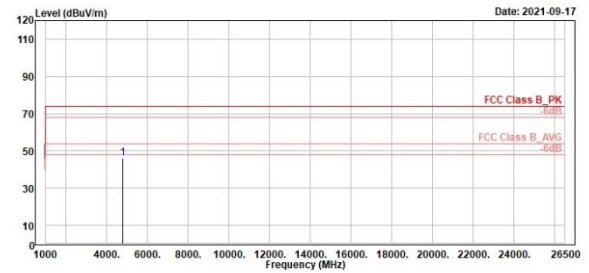
TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1 4884.00	45.04	54.82	-9.78	74.00	-28.96	200	76	Peak	Horizontal		



TÜV Rheinland Taiwan Ltd.
No. 438-18, 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	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1 4884.00	46.16	55.94	-9.78	74.00	-27.84	100	222	Peak	Vertical		

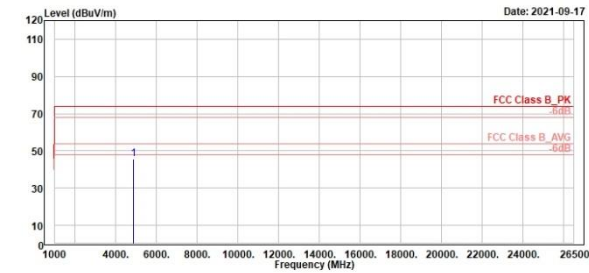
BLE_2M

Middle Channel (Horizontal)

Middle Channel (Vertical)



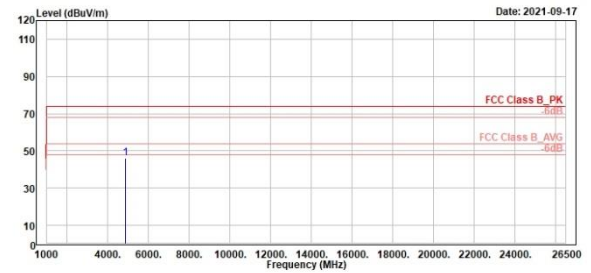
TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4880.00	45.54	55.21	-9.67	74.00	-28.46	100	10	Peak	Horizontal		



TÜV Rheinland Taiwan Ltd.
No. 438-18, 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	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4880.00	45.98	55.65	-9.67	74.00	-28.02	100	172	Peak	Vertical		

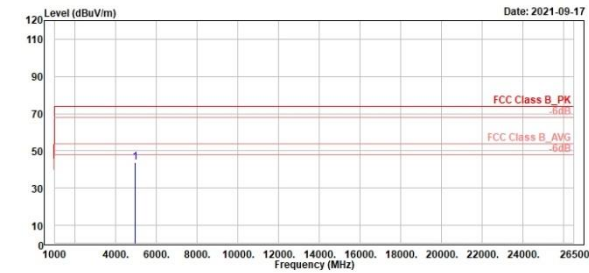
BLE_2M

High Channel (Horizontal)

High Channel (Vertical)



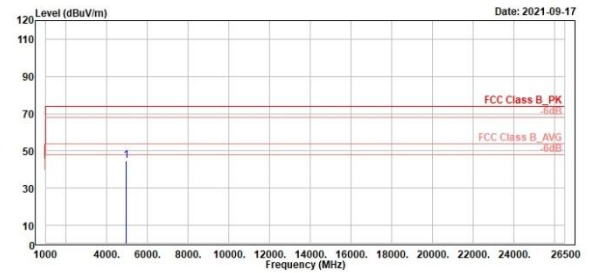
TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	43.90	53.36	-9.46	74.00	-30.10	157	360	Peak	Horizontal		



TÜV Rheinland Taiwan Ltd.
No. 438-18, 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	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	44.73	54.19	-9.46	74.00	-29.27	180	164	Peak	Vertical		

Mains Conducted Emission, 150kHz ~ 30MHz

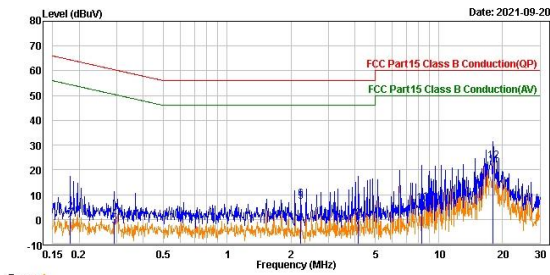
Worst Band

(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: +886-2112-1322

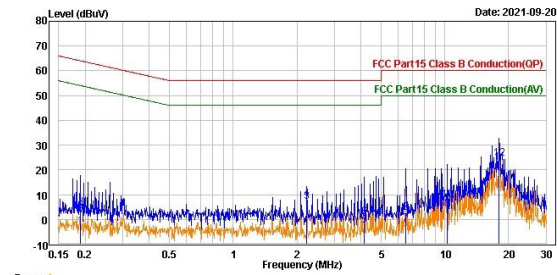


Trace: 1

Line	Level	Factor	Limit	Over	Remark	Pol/Phase	Note
Freq	Level	Factor	Line	Limit	Remark	Pol/Phase	Note
MHz	dBuV	dB	dBuV	dB			
1	0.18	-2.58	-12.23	9.65	54.43 -57.01 Average	line1	
2	0.18	2.84	-6.81	9.65	64.43 -61.59 QP	line1	
3	0.29	-2.65	-12.29	9.64	50.45 -53.10 Average	line1	
4	0.29	0.30	-9.34	9.64	60.45 -60.15 QP	line1	
5	2.22	7.11	-2.57	9.68	46.00 -38.89 Average	line1	
6	2.22	8.10	-1.58	9.68	56.00 -47.90 QP	line1	
7	4.17	-3.09	-12.79	9.70	46.00 -49.09 Average	line1	
8	4.17	0.42	-9.28	9.70	56.00 -55.58 QP	line1	
9	8.33	2.17	-7.57	9.74	50.00 -47.83 Average	line1	
10	8.33	6.59	-3.15	9.74	60.00 -53.41 QP	line1	
11	18.04	21.74	12.00	9.74	50.00 -28.26 Average	line1	
12	18.04	23.43	13.69	9.74	60.00 -36.57 QP	line1	



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: +886-2112-1322



Trace: 1

Line	Level	Factor	Limit	Over	Remark	Pol/Phase	Note
Freq	Level	Factor	Line	Limit	Remark	Pol/Phase	Note
MHz	dBuV	dB	dBuV	dB			
1	0.19	-2.77	-12.44	9.67	54.05 -56.82 Average	neutral	
2	0.19	3.31	-6.36	9.67	64.05 -60.74 QP	neutral	
3	2.22	7.21	-2.49	9.70	46.00 -38.79 Average	neutral	
4	2.22	8.17	-1.53	9.70	56.00 -47.83 QP	neutral	
5	4.17	-2.46	-12.17	9.71	46.00 -48.46 Average	neutral	
6	4.17	0.89	-8.82	9.71	56.00 -55.11 QP	neutral	
7	6.53	-1.84	-11.60	9.76	50.00 -51.84 Average	neutral	
8	6.53	2.64	-7.12	9.76	60.00 -57.36 QP	neutral	
9	10.27	4.51	-5.28	9.79	50.00 -45.49 Average	neutral	
10	10.27	7.89	-1.90	9.79	60.00 -52.11 QP	neutral	
11	18.04	22.81	12.99	9.82	50.00 -27.19 Average	neutral	
12	18.04	24.48	14.66	9.82	60.00 -35.52 QP	neutral	

Test Results of Radiated Spurious Emissions_ANT 2

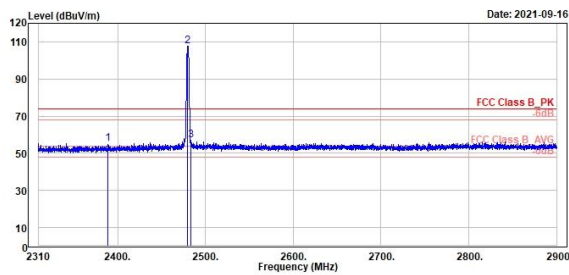
Band Edges, 2.31GHz ~ 2.9GHz

BLE_2M

High Channel (Horizontal) Peak



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

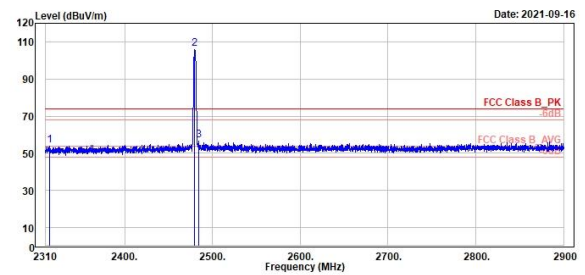


Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2380.59	55.08	17.53	37.55	74.00	-18.92	100	58	Peak	Horizontal		
2 *	2480.00	107.59	69.44	38.15	74.00	33.59	100	58	Peak	Horizontal		
3	2483.81	57.25	19.08	38.17	74.00	-16.75	100	58	Peak	Horizontal		

High Channel (Vertical) Peak



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



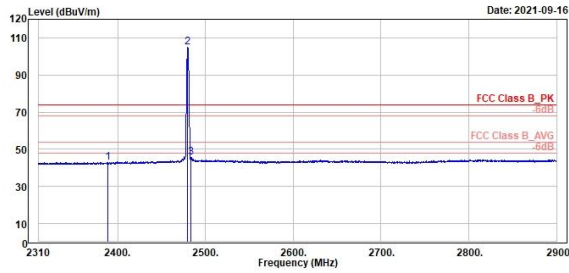
Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2314.96	54.41	17.25	37.16	74.00	-19.59	101	96	Peak	Vertical		
2 *	2480.00	106.24	68.09	38.15	74.00	32.24	101	96	Peak	Vertical		
3	2484.29	56.90	18.73	38.17	74.00	-17.10	101	96	Peak	Vertical		

BLE_2M

High Channel (Horizontal) Average



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

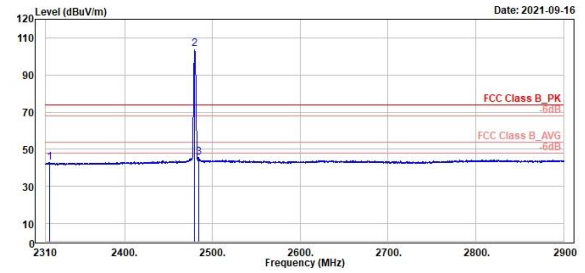


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2388.59	42.97	5.42	37.55	54.00	-11.03	100	58	Average	Horizontal		
2 *	2480.00	104.95	66.80	38.15	54.00	50.95	100	58	Average	Horizontal		
3	2483.81	45.82	7.65	38.17	54.00	-8.18	100	58	Average	Horizontal		

High Channel (Vertical) Average



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



	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	2314.96	42.81	5.65	37.16	54.00	-11.19	101	96	Average	Vertical		
2 *	2480.00	103.94	65.79	38.15	54.00	49.94	101	96	Average	Vertical		
3	2484.29	45.77	7.60	38.17	54.00	-8.23	101	96	Average	Vertical		

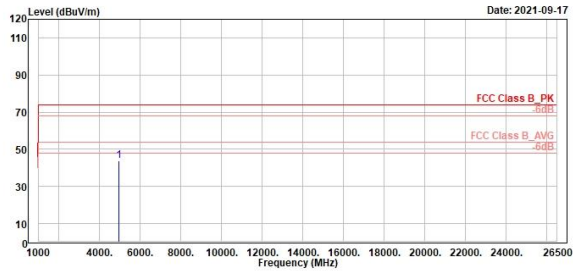
Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

BLE_2M

High Channel (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

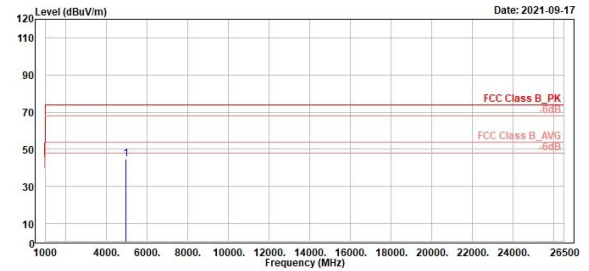


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	43.90	53.36	-9.46	74.00	-30.10	157	360	Peak	Horizontal		

High 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



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	44.73	54.19	-9.46	74.00	-29.27	100	164	Peak	Vertical		

Test Results of Radiated Spurious Emissions_ANT 3

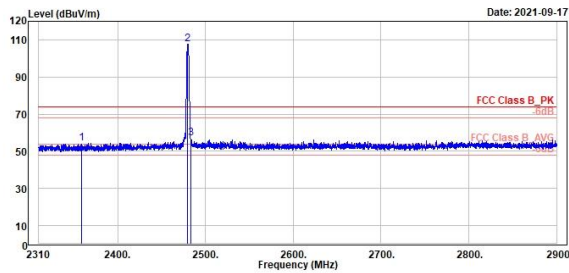
Band Edges, 2.31GHz ~ 2.9GHz

BLE_2M

High Channel (Horizontal) Peak



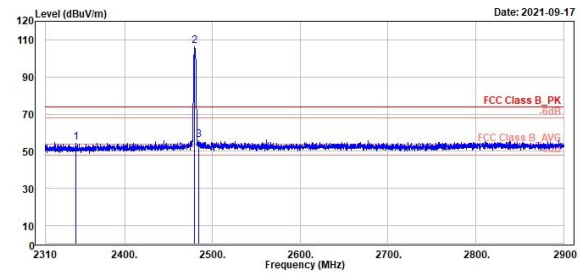
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2358.85	54.12	16.79	37.33	74.00	-19.88	100	58	Peak	Horizontal		
2 *	2480.00	107.64	69.49	38.15	74.00	33.64	100	58	Peak	Horizontal		
3	2483.81	57.20	19.03	38.17	74.00	-16.80	100	58	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



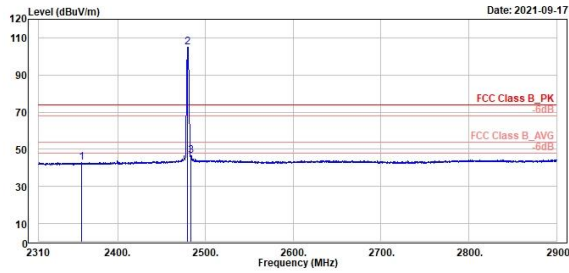
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2344.69	54.66	17.40	37.26	74.00	-19.34	100	95	Peak	Vertical		
2 *	2480.00	106.56	68.41	38.15	74.00	32.56	100	95	Peak	Vertical		
3	2484.40	56.28	18.11	38.17	74.00	-17.72	100	95	Peak	Vertical		

BLE_2M

High Channel (Horizontal) Average



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

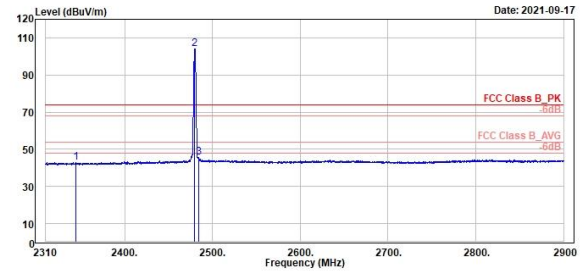


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2358.85	42.78	5.45	37.33	54.00	-11.22	100	58	Average	Horizontal		
2 *	2480.00	105.14	66.99	38.15	54.00	51.14	100	58	Average	Horizontal		
3	2483.81	46.63	8.46	38.17	54.00	-7.37	100	58	Average	Horizontal		

High Channel (Vertical) Average



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



	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	2344.69	42.91	5.65	37.26	54.00	-11.09	100	95	Average	Vertical		
2 *	2480.00	104.08	65.93	38.15	54.00	50.08	100	95	Average	Vertical		
3	2484.40	45.79	7.62	38.17	54.00	-8.21	100	95	Average	Vertical		

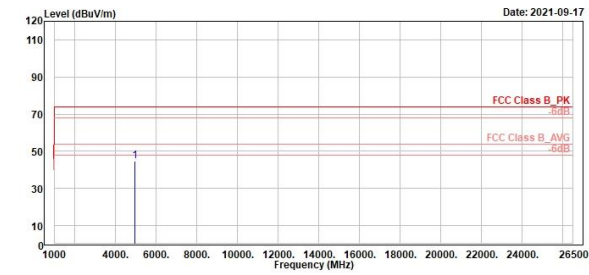
Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

BLE_2M

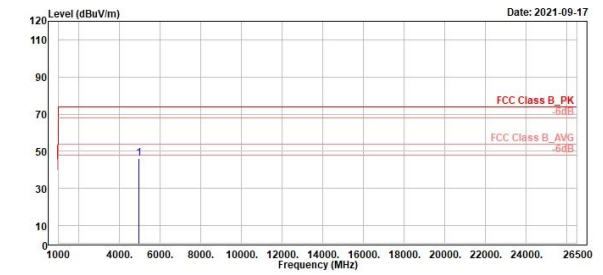
High Channel (Horizontal)



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



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



Test Results of Radiated Spurious Emissions_ANT 4

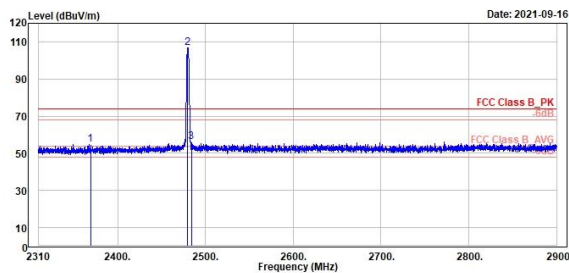
Band Edges, 2.31GHz ~ 2.9GHz

BLE_2M

High Channel (Horizontal) Peak



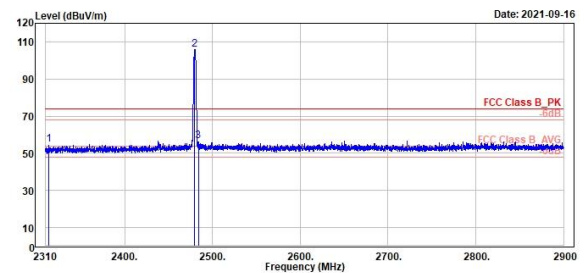
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2369.12	54.62	17.21	37.41	74.00	-19.38	100	58	Peak	Horizontal		
2 *	2480.00	106.87	66.72	38.15	74.00	32.87	100	58	Peak	Horizontal		
3	2483.93	56.84	17.87	38.17	74.00	-17.96	100	58	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



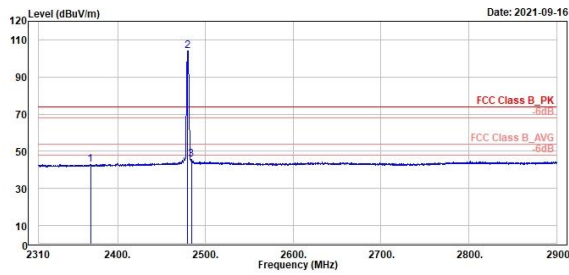
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2313.66	54.56	17.40	37.16	74.00	-19.44	100	96	Peak	Vertical		
2 *	2480.00	105.92	67.77	38.15	74.00	31.92	100	96	Peak	Vertical		
3	2483.93	56.56	18.39	38.17	74.00	-17.44	100	96	Peak	Vertical		

BLE_2M

High Channel (Horizontal) Average



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

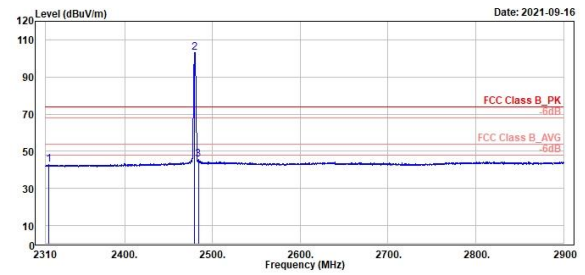


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2369.12	43.01	5.60	37.41	54.00	-10.99	100	58	Average	Horizontal		
2 *	2480.00	104.19	66.04	38.15	54.00	50.19	100	58	Average	Horizontal		
3	2483.93	45.53	7.36	38.17	54.00	-8.47	100	58	Average	Horizontal		

High Channel (Vertical) Average



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



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2313.66	42.82	5.66	37.16	54.00	-11.18	100	96	Average	Vertical		
2 *	2480.00	103.13	64.98	38.15	54.00	49.13	100	96	Average	Vertical		
3	2483.93	45.42	7.25	38.17	54.00	-8.58	100	96	Average	Vertical		

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

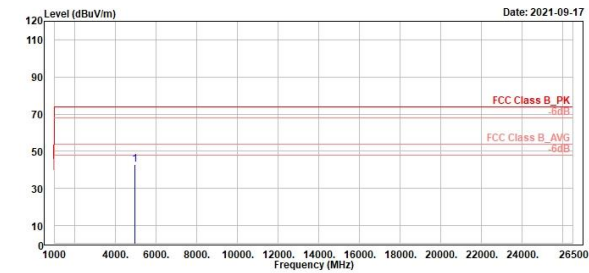
BLE_2M

High Channel (Horizontal)

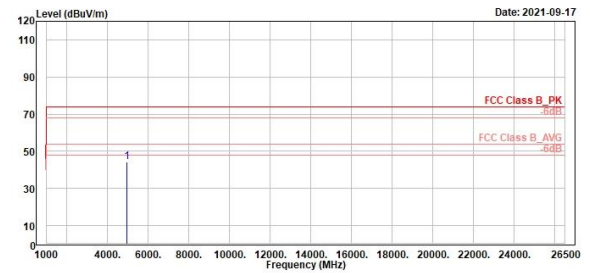
High Channel (Vertical)



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



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



Test Results of Radiated Spurious Emissions_ANT 5

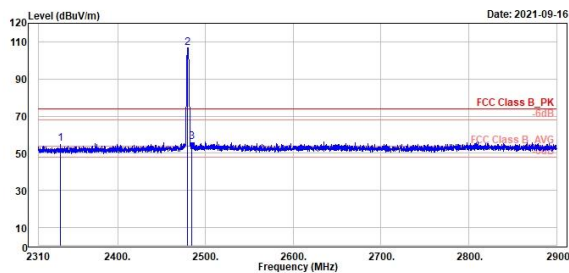
Band Edges, 2.31GHz ~ 2.9GHz

BLE_2M

High Channel (Horizontal) Peak



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

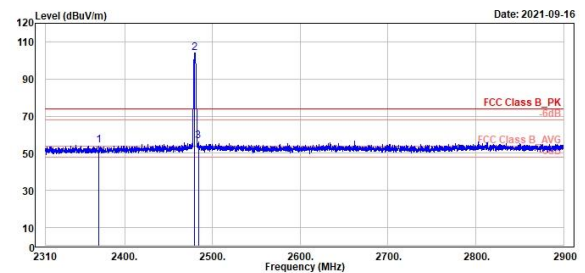


Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2334.54	55.05	17.83	37.22	74.00	-18.95	100	57	Peak	Horizontal		
2 *	2480.00	106.57	66.42	38.15	74.00	32.57	100	57	Peak	Horizontal		
3	2484.17	56.15	17.98	38.17	74.00	-17.85	100	57	Peak	Horizontal		

High Channel (Vertical) Peak



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



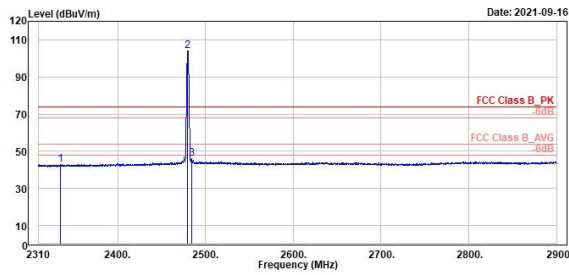
Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2370.77	54.39	16.88	37.42	74.00	-19.70	100	96	Peak	Vertical		
2 *	2480.00	104.16	66.01	38.15	74.00	30.16	100	96	Peak	Vertical		
3	2483.93	56.52	18.35	38.17	74.00	-17.48	100	96	Peak	Vertical		

BLE_2M

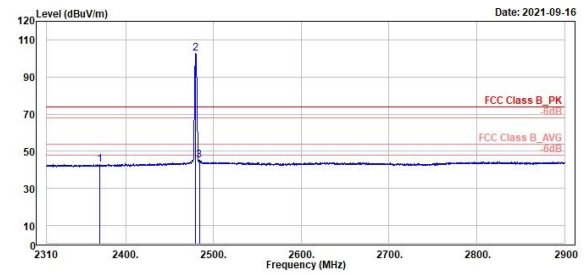
High Channel (Horizontal) Average



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



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



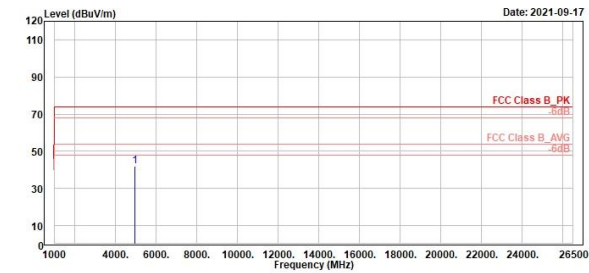
Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

BLE_2M

High Channel (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



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

