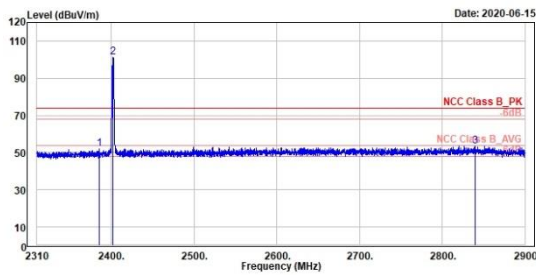
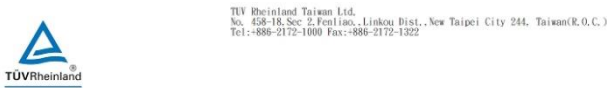


Appendix C: Test Results of Radiated Spurious Emissions_Left Ear Band Edges, 2.31GHz ~ 2.9GHz

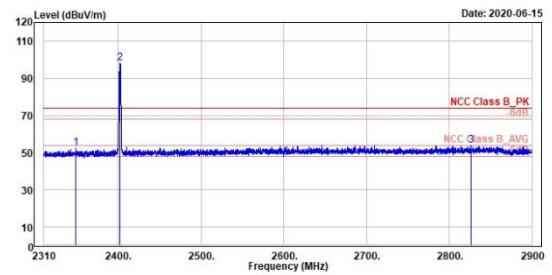
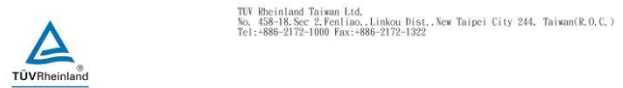
BLE_1M

Low Channel (Horizontal) Peak



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	2385.28	51.92	14.60	37.32	74.00	-22.08	300	68	Peak	Horizontal		
2 *	2402.00	101.00	63.71	37.37	74.00	-27.00	300	68	Peak	Horizontal		
3	2839.94	53.58	15.55	38.03	74.00	-20.42	300	68	Peak	Horizontal		

Low Channel (Vertical) Peak



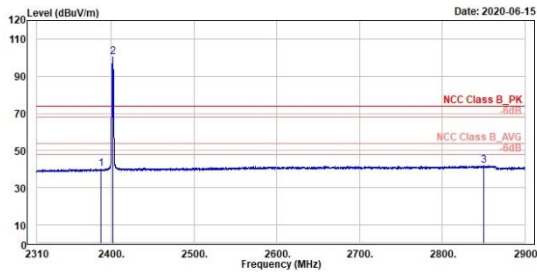
Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2349.94	52.54	15.34	37.20	74.00	-21.46	307	18	Peak	Vertical		
2 *	2402.00	97.00	60.51	37.37	74.00	-23.00	307	18	Peak	Vertical		
3	2826.49	54.00	16.01	37.99	74.00	-20.00	307	18	Peak	Vertical		

BLE_1M

Low Channel (Horizontal) Average



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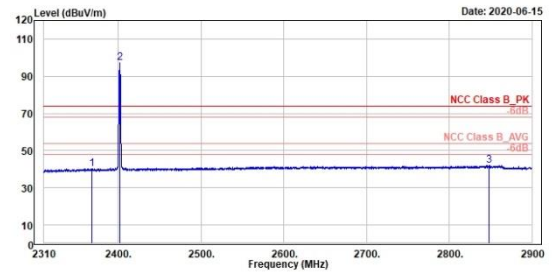


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2387.41	40.08	2.76	37.32	54.00	-13.92	300	68	Average	Horizontal	
2 *	2402.00	100.18	62.61	37.37	54.00	46.18	300	68	Average	Horizontal	
3	2850.32	41.86	3.79	38.07	54.00	-12.14	300	68	Average	Horizontal	

Low Channel (Vertical) Average



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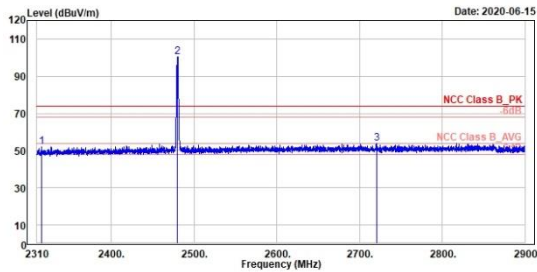
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2368.17	40.30	3.03	37.27	54.00	-13.70	307	18	Average	Vertical	
2 *	2402.00	96.98	59.61	37.37	54.00	42.98	307	18	Average	Vertical	
3	2848.32	41.82	3.76	38.06	54.00	-12.18	307	18	Average	Vertical	

BLE_1M

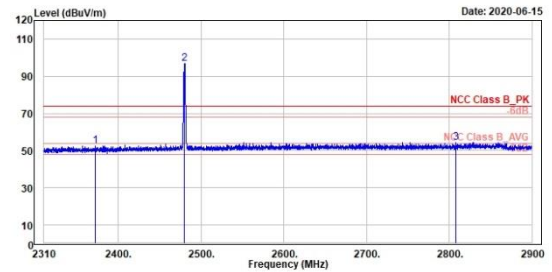
High Channel (Horizontal) Peak



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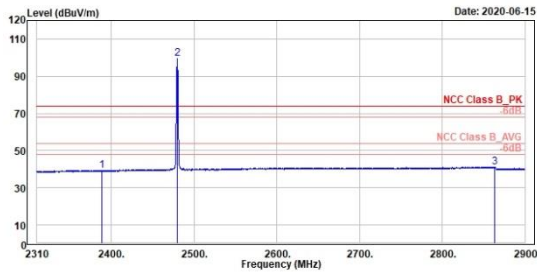


BLE_1M

High Channel (Horizontal) Average



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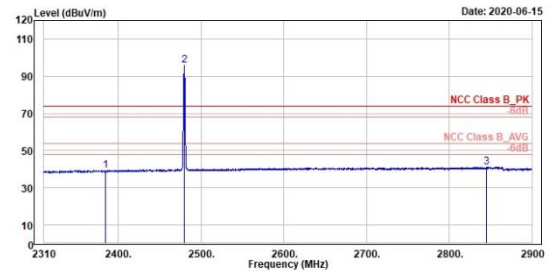


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2380.59	39.39	2.06	37.33	54.00	-14.61	130	91	Average	Horizontal	
2 *	2480.00	99.41	61.85	37.56	54.00	45.41	130	91	Average	Horizontal	
3	2863.42	41.25	3.12	38.13	54.00	-12.75	130	91	Average	Horizontal	

High Channel (Vertical) Average



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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2384.58	39.34	2.02	37.32	54.00	-14.66	362	358	Average	Vertical	
2 *	2480.00	95.74	58.18	37.56	54.00	41.74	362	358	Average	Vertical	
3	2845.01	41.24	3.19	38.05	54.00	-12.76	362	358	Average	Vertical	

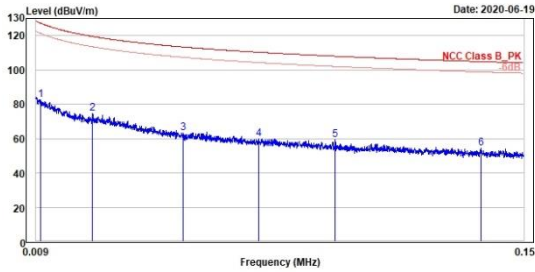
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

BLE_1M

Middle Channel 9kHz~150kHz



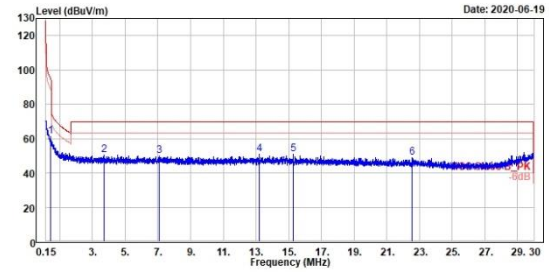
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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.01	82.78	4.06	78.64	127.31	-44.61	100	146 QP	vertical	
2	0.03	74.47	2.90	71.57	119.49	-45.02	100	268 QP	vertical	
3	0.05	63.40	-1.44	64.84	113.36	-49.96	100	340 QP	vertical	
4	0.07	59.75	-2.24	61.99	110.29	-50.54	100	5 QP	vertical	
5	0.10	59.35	-0.44	59.79	108.00	-48.65	100	244 QP	vertical	
6	0.14	54.29	-2.78	57.07	104.83	-50.54	100	352 QP	vertical	



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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.44	61.15	13.41	47.74	94.74	-33.59	100	132 QP	vertical	
2	3.68	50.66	12.37	38.29	69.50	-18.84	100	101 QP	vertical	
3	7.06	49.98	11.64	38.34	69.50	-19.52	100	181 QP	vertical	
4	13.21	50.71	13.26	37.45	69.50	-18.79	100	61 QP	vertical	
5	15.27	50.87	13.19	37.68	69.50	-18.63	100	285 QP	vertical	
6	22.57	48.90	13.20	35.70	69.50	-20.60	100	308 QP	vertical	

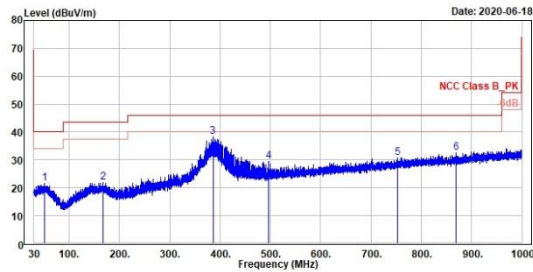
Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

BLE_1M

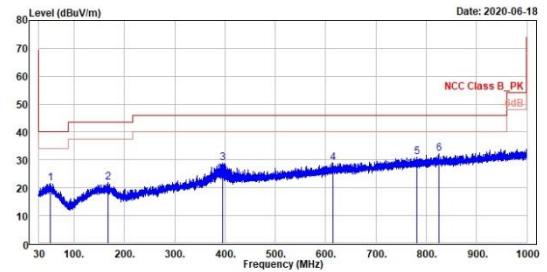
Middle Channel (Horizontal)



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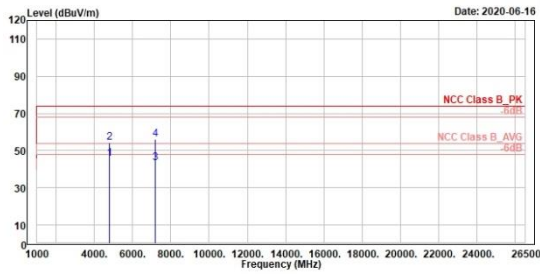
Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

BLE_1M

Low Channel (Horizontal)



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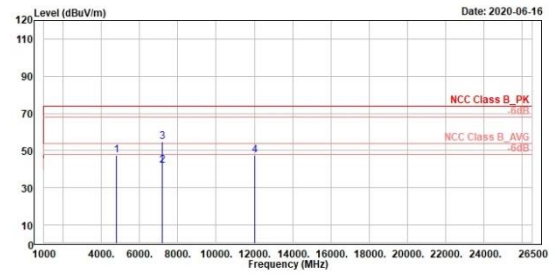


Line	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	4894.00	54.14	55.05	-10.20	54.00	-8.35	112	73	Average	horizontal	
2	4894.00	54.14	64.34	-10.20	74.00	-19.86	112	73	Peak	horizontal	
3	7206.00	43.37	51.02	-7.65	54.00	-10.63	306	10	Average	horizontal	
4	7206.00	56.13	63.78	-7.65	74.00	-17.87	306	10	Peak	horizontal	

Low Channel (Vertical)



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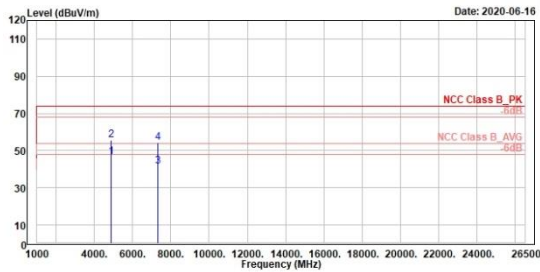
Line	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	4894.00	47.67	57.07	-10.20	74.00	-26.33	300	81	Peak	vertical	
2	7206.00	41.91	49.56	-7.65	54.00	-12.09	107	238	Average	vertical	
3	7206.00	54.92	62.57	-7.65	74.00	-19.08	107	238	Peak	vertical	
4	12010.00	47.41	48.18	-0.77	74.00	-26.59	122	66	Peak	vertical	

BLE_1M

Middle Channel (Horizontal)



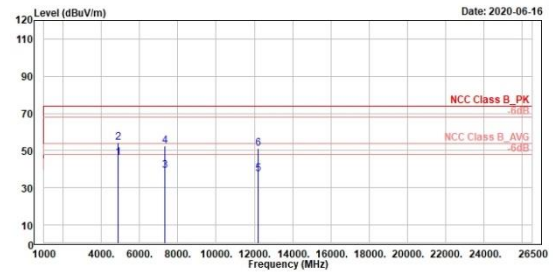
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4880.00	46.78	56.76	-10.06	54.00	-7.30	126	75	Average	horizontal		
2	4880.00	55.45	65.51	-10.06	74.00	-18.55	126	75	Peak	horizontal		
3	7320.00	41.50	49.28	-7.78	54.00	-12.50	321	9	Average	horizontal		
4	7320.00	54.36	62.14	-7.78	74.00	-19.64	321	9	Peak	horizontal		



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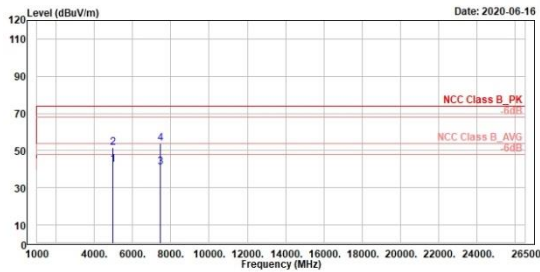
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	cm	deg			
1	4880.00	45.91	55.97	-10.06	54.00	-8.09	317	90	Average	vertical		
2	4880.00	54.46	64.52	-10.06	74.00	-19.54	317	90	Peak	vertical		
3	7320.00	39.40	47.18	-7.78	54.00	-14.60	107	237	Average	vertical		
4	7320.00	52.60	60.38	-7.78	74.00	-21.40	107	237	Peak	vertical		
5	12200.00	37.63	38.06	-0.43	54.00	-16.37	399	191	Average	vertical		
6	12200.00	51.31	51.74	-0.43	74.00	-22.69	399	191	Peak	vertical		

BLE_1M

High Channel (Horizontal)



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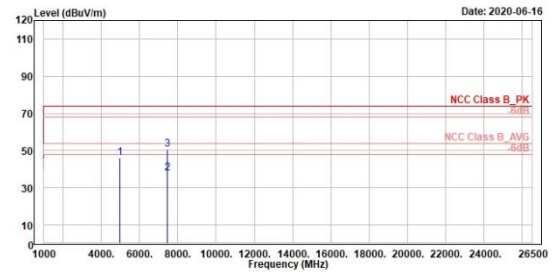


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	42.42	52.18	-9.76	54.00	-11.58	180	115	Average	horizontal		
2	4960.00	51.47	61.23	-9.76	74.00	-22.53	180	115	Peak	horizontal		
3	7440.00	40.96	48.68	-7.72	54.00	-13.04	181	358	Average	horizontal		
4	7440.00	53.73	61.45	-7.72	74.00	-20.27	181	358	Peak	horizontal		

High Channel (Vertical)



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	45.88	55.64	-9.76	74.00	-28.12	180	18	Peak	vertical		
2	7440.00	37.79	45.42	-7.72	54.00	-16.39	120	251	Average	vertical		
3	7440.00	50.42	58.14	-7.72	74.00	-23.58	120	251	Peak	vertical		

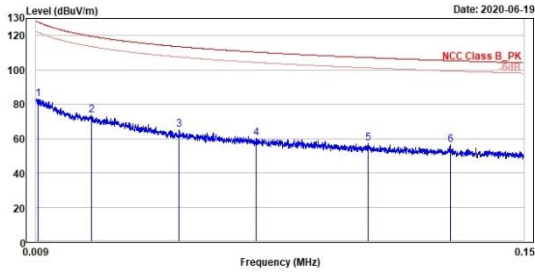
Spurious Emissions, Rx Mode, 9kHz ~ 30MHz

BLE_1M

Middle Channel 9kHz~150kHz



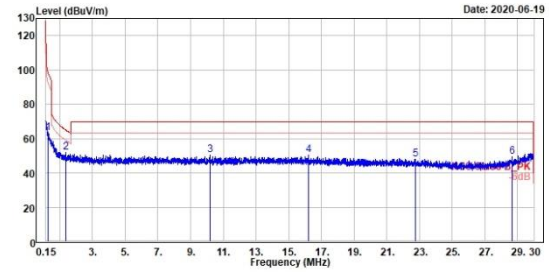
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.01	82.89	3.71	79.18	127.86	-44.97	100	133	QP	vertical		
2	0.02	73.58	1.94	71.64	119.63	-46.05	100	187	QP	vertical		
3	0.05	65.31	0.31	65.00	113.55	-48.24	100	126	QP	vertical		
4	0.07	60.12	-1.94	62.06	110.38	-50.26	100	52	QP	vertical		
5	0.11	57.22	-1.74	58.96	107.17	-49.95	100	107	QP	vertical		
6	0.13	56.10	-1.49	57.59	105.41	-49.31	100	117	QP	vertical		



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.30	63.13	12.65	50.48	98.80	-34.95	100	269	QP	vertical		
2	1.36	52.00	12.57	39.52	64.90	-12.81	100	167	QP	vertical		
3	10.21	50.51	13.00	37.51	69.50	-18.99	100	342	QP	vertical		
4	16.21	50.65	13.20	37.45	69.50	-18.85	100	231	QP	vertical		
5	22.74	48.15	12.49	35.66	69.50	-21.35	100	7	QP	vertical		
6	28.66	49.57	13.06	36.51	69.50	-19.93	100	23	QP	vertical		

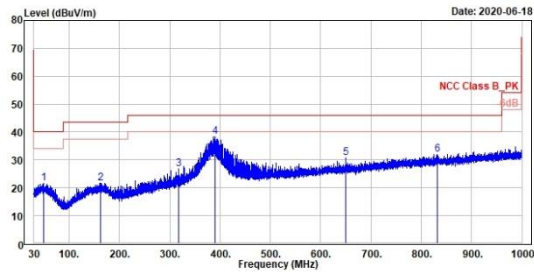
Spurious Emissions, Rx Mode, 30MHz ~ 1GHz

BLE_1M

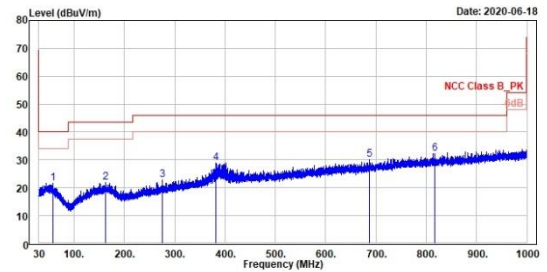
Middle Channel (Horizontal)



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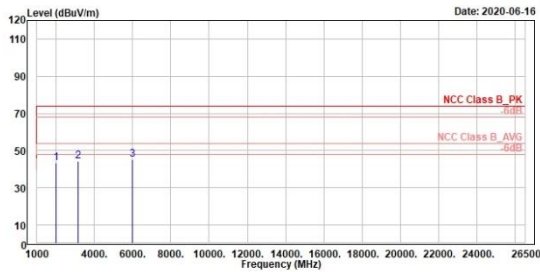
Spurious Emissions, Rx Mode, 1GHz ~ 26.5GHz

BLE_1M

Middle Channel (Horizontal)



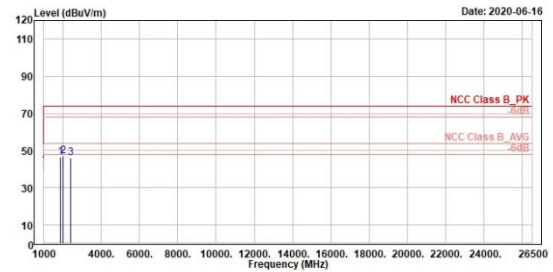
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2087.00	43.21	59.01	-15.80	74.00	-30.79	300	86	Peak	horizontal		
2	3150.00	44.23	56.72	-12.49	74.00	-29.77	300	249	Peak	horizontal		
3	6000.00	45.33	53.45	-8.12	74.00	-28.67	300	122	Peak	horizontal		



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	1882.00	46.63	62.93	-16.30	74.00	-27.37	237	0	Peak	vertical		
2	2085.00	46.88	62.68	-15.80	74.00	-27.12	180	360	Peak	vertical		
3	2396.00	46.21	60.53	-14.32	74.00	-27.79	228	0	Peak	vertical		

Mains Conducted Emission, 150kHz ~ 30MHz

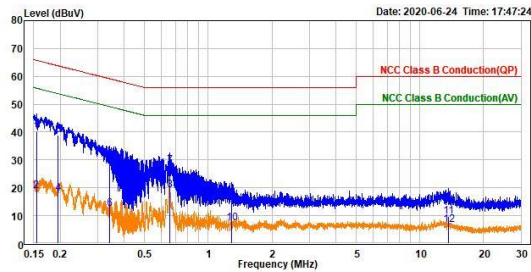
Charging Mode

(Line)

(Neutral)



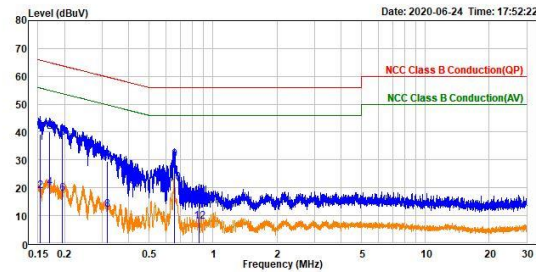
TÜV Rheinland Taiwan Ltd(New Taipei City Branch).
 No. 458-19, Sec. 2, Fenliao Rd., Linkou Dist., New Taipei City 244
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	Read	Factor	Level	Limit	Over			
Freq	Level			Line	Limit	Remark	Pol/Phase	Note
MHz	dBuV	dB	dBuV	dBuV	dB			
1	0.154	30.09	10.11	40.20	65.77	-25.57 QP	line1	
2	0.154	8.82	10.11	18.93	55.77	-36.84 Average	line1	
3	0.195	28.85	10.11	38.96	63.83	-24.87 QP	line1	
4	0.195	7.90	10.11	18.01	53.83	-35.82 Average	line1	
5	0.342	20.01	10.11	30.12	59.14	-29.02 QP	line1	
6	0.342	2.48	10.11	12.59	49.14	-36.55 Average	line1	
7	0.659	17.78	10.13	27.91	56.00	-28.09 QP	line1	
8	0.659	9.17	10.13	19.30	46.00	-26.70 Average	line1	
9	1.293	4.45	10.15	14.60	56.00	-41.40 QP	line1	
10	1.293	-2.94	10.15	7.21	46.00	-38.79 Average	line1	
11	13.648	-0.70	10.46	9.76	60.00	-50.24 QP	line1	
12	13.648	-3.73	10.46	6.73	50.00	-43.27 Average	line1	



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	Read	Factor	Level	Limit	Over			
Freq	Level			Line	Limit	Remark	Pol/Phase	Note
MHz	dBuV	dB	dBuV	dBuV	dB			
1	0.153	29.12	10.11	39.23	65.84	-26.61 QP	neutral	
2	0.153	8.69	10.11	18.80	55.84	-37.04 Average	neutral	
3	0.170	30.14	10.11	40.25	64.95	-24.70 QP	neutral	
4	0.170	10.04	10.11	20.15	54.95	-34.80 Average	neutral	
5	0.195	27.99	10.11	38.10	63.81	-25.71 QP	neutral	
6	0.195	7.72	10.11	17.83	53.81	-35.98 Average	neutral	
7	0.317	19.36	10.10	29.46	59.77	-30.31 QP	neutral	
8	0.317	2.03	10.10	12.13	49.77	-37.64 Average	neutral	
9	0.658	20.08	10.12	30.20	56.00	-25.80 QP	neutral	
10	0.658	11.92	10.12	22.04	46.00	-23.96 Average	neutral	
11	0.860	4.48	10.14	14.62	56.00	-41.38 QP	neutral	
12	0.860	-2.14	10.14	8.00	46.00	-38.00 Average	neutral	