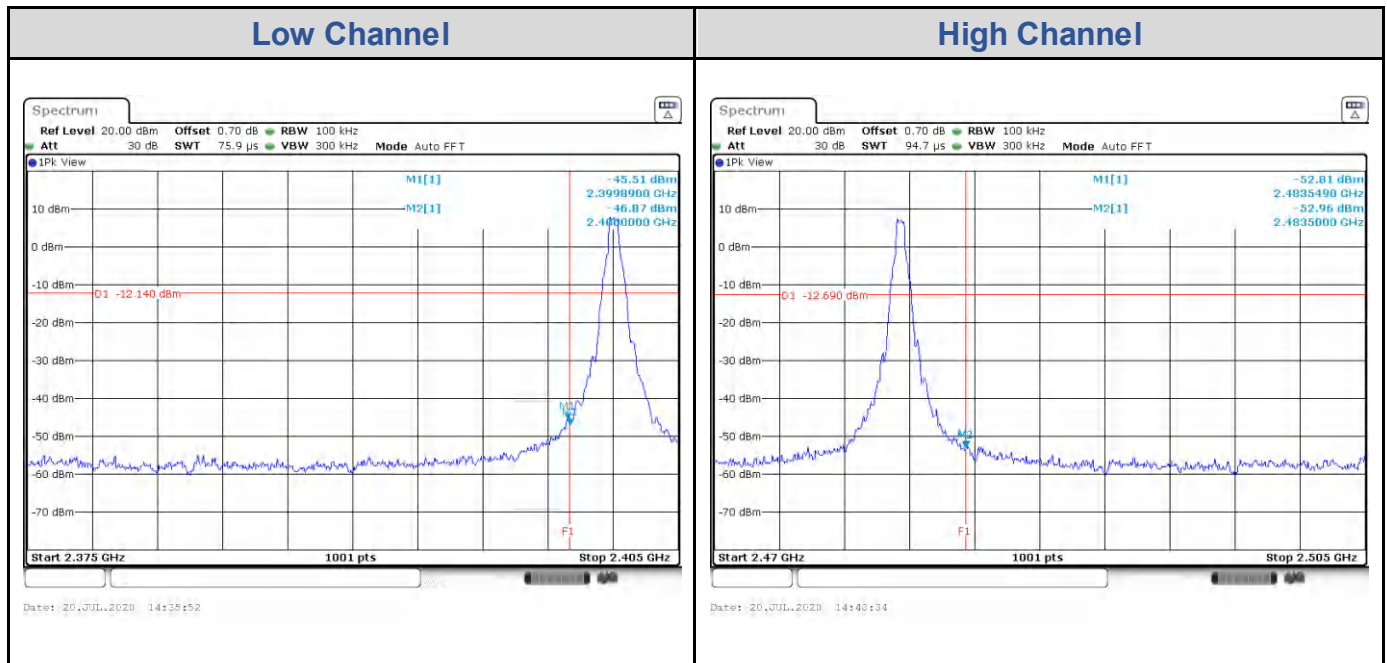
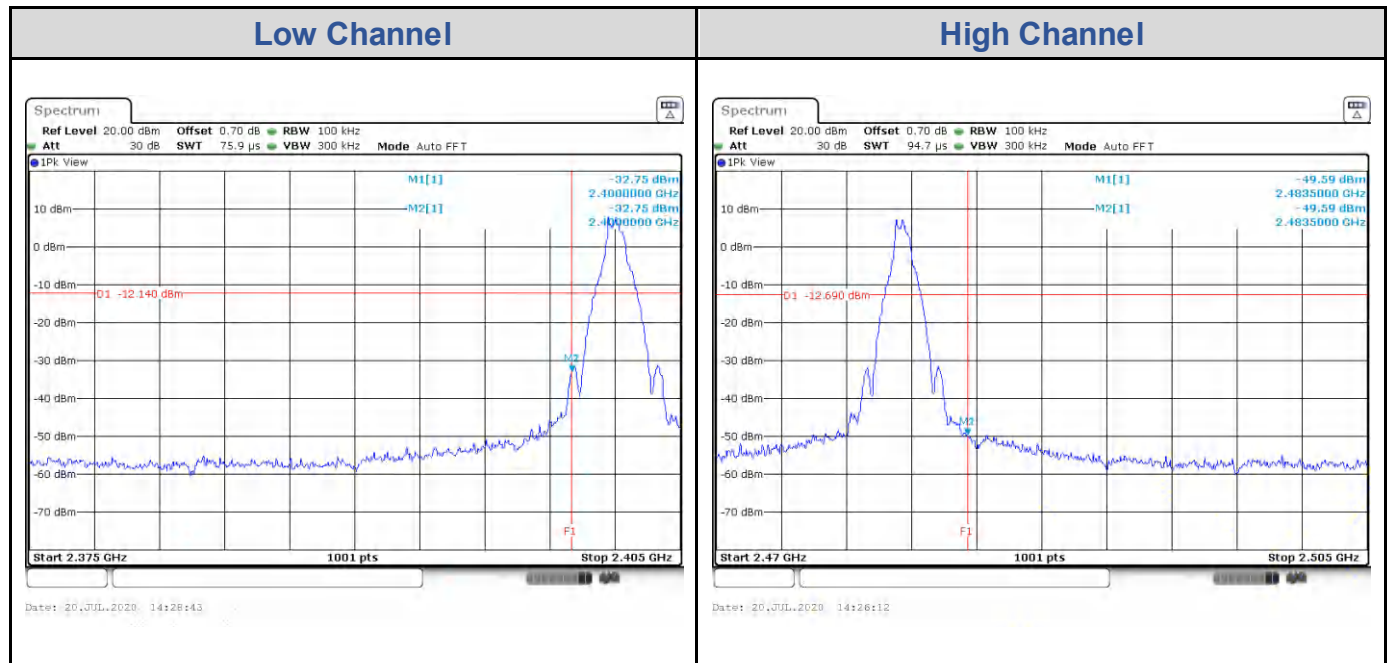


Test Result of Conducted Band Edge, Tx Mode

ANT 1Mbps



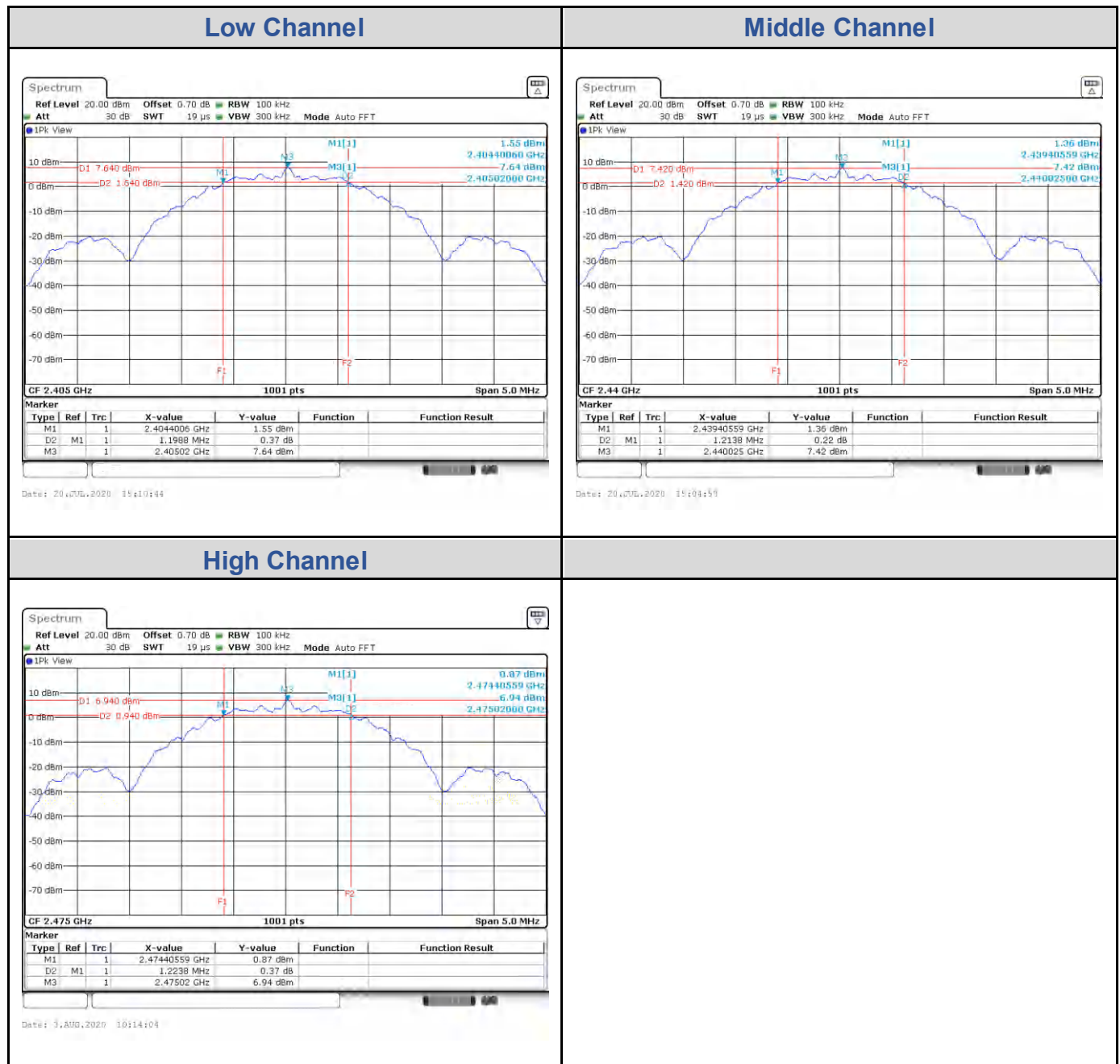
Nordic Original 2Mbps



Test Result of 6 dB Bandwidth

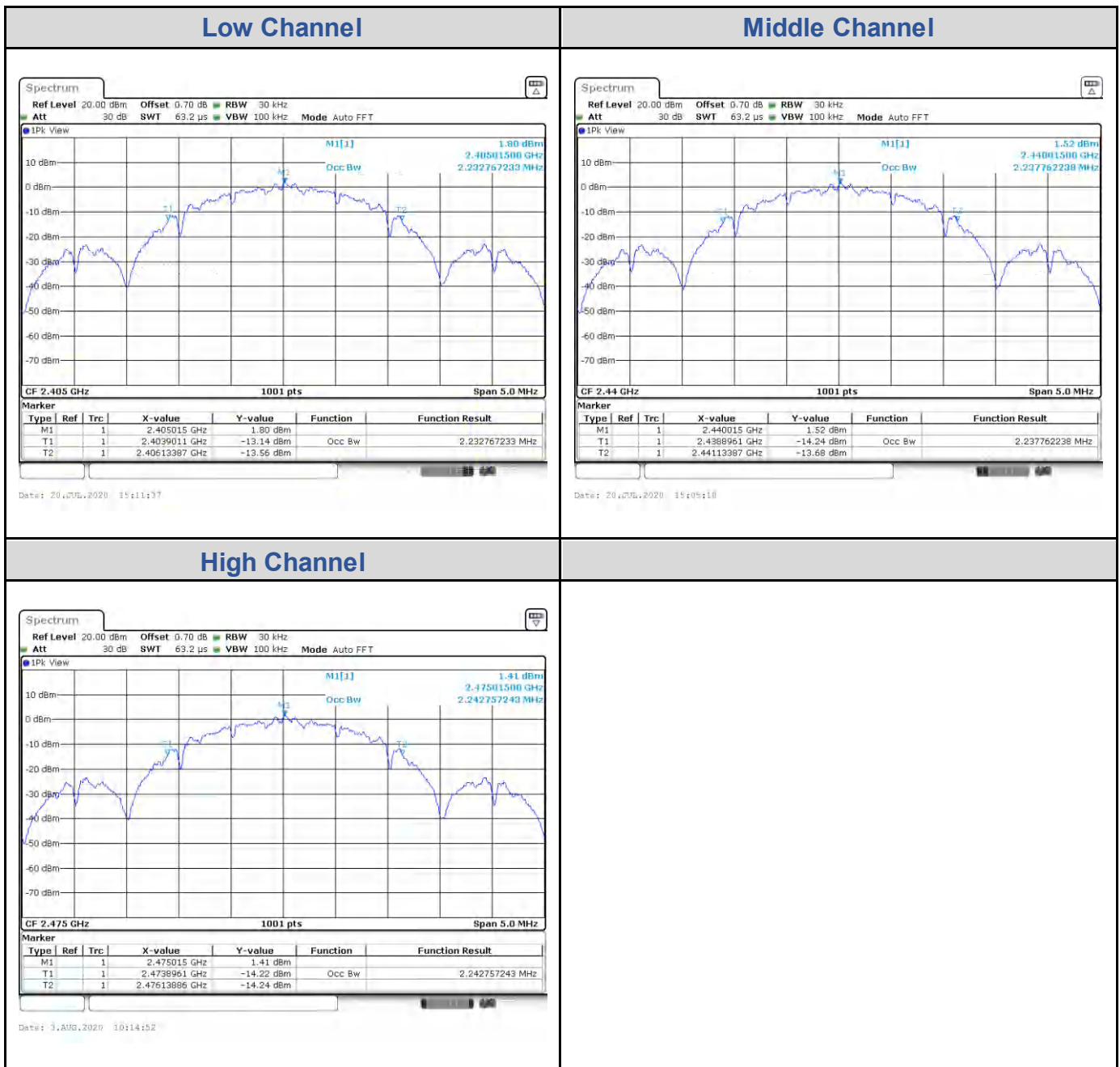
IEEE802.15.4

Channel	Channel Frequency (MHz)	6 dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2405	1198.8	> 500	Pass
Middle Channel	2440	1213.8	> 500	Pass
High Channel	2475	1223.8	> 500	Pass



Test Result of 99% Occupied Bandwidth IEEE802.15.4

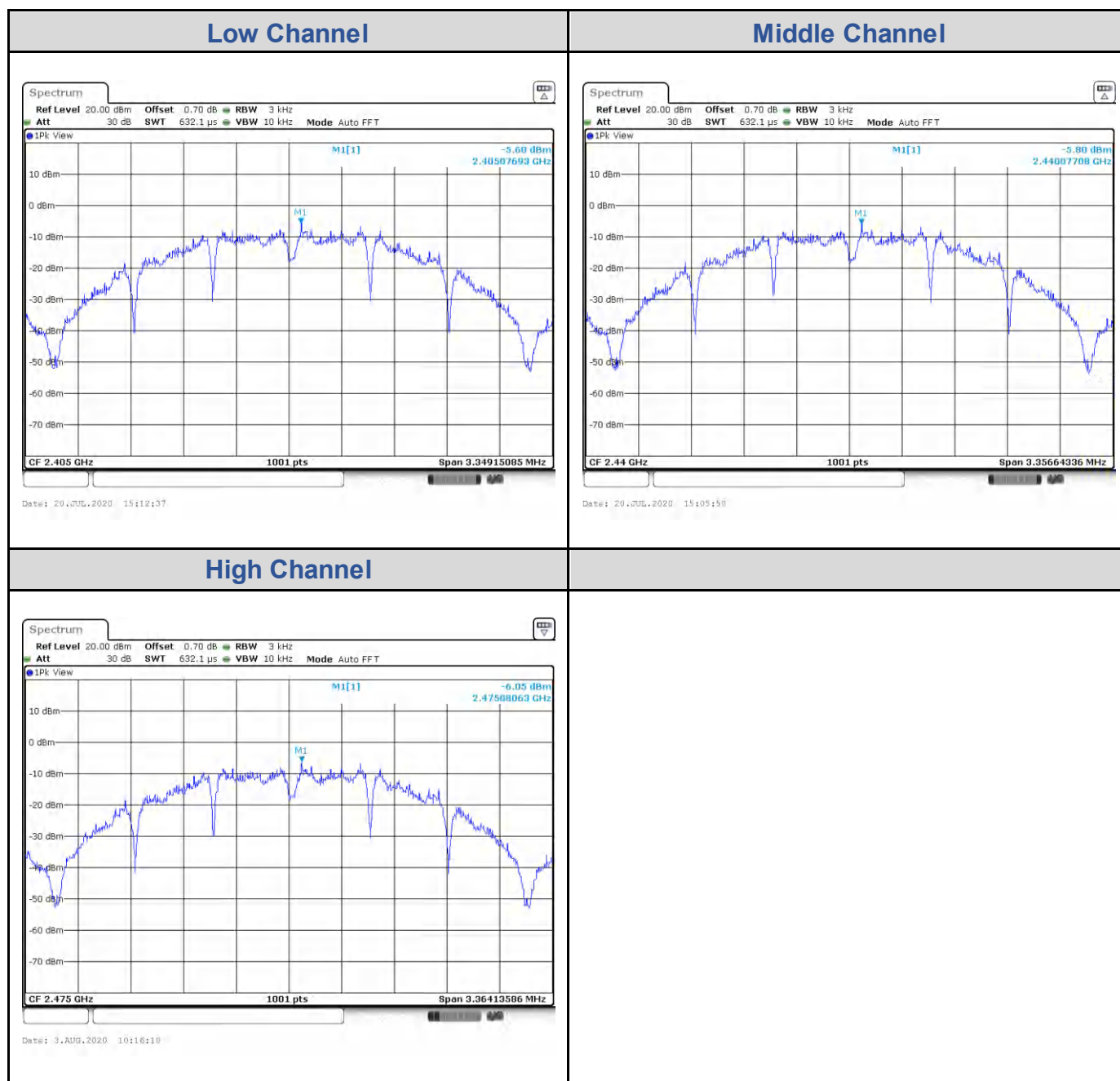
Channel	Channel Frequency (MHz)	99% Bandwidth (KHz)
Low Channel	2405	2232.7
Middle Channel	2440	2237.7
High Channel	2475	2242.7



Test Result of Power Spectral Density

IEEE802.15.4

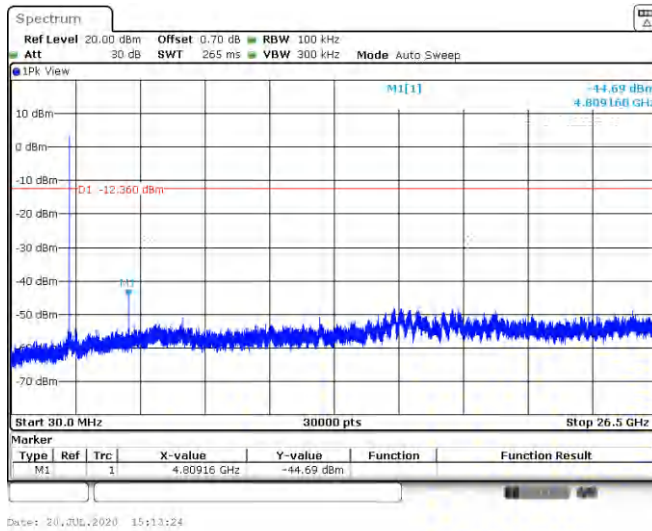
Channel	Channel Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low Channel	2405	-5.60	8	Pass
Middle Channel	2440	-5.80	8	Pass
High Channel	2475	-6.05	8	Pass



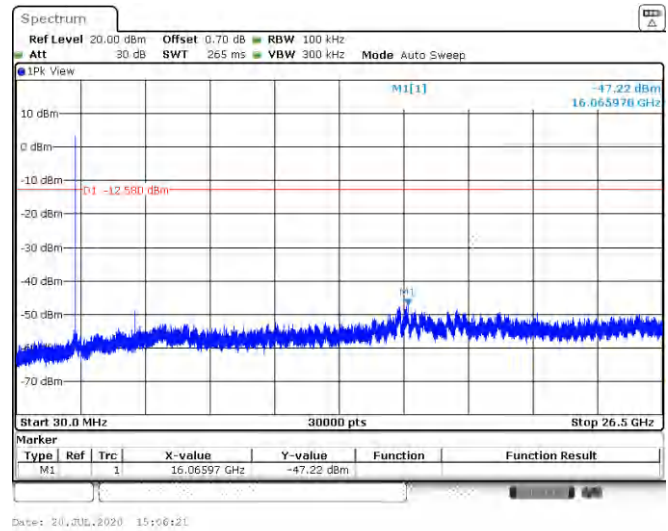
Test Result of Conducted Spurious Emissions, Tx Mode

IEEE802.15.4

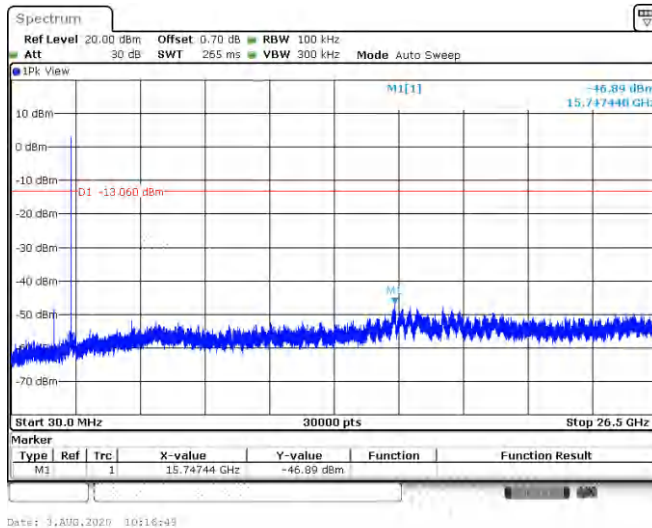
Low Channel



Middle Channel

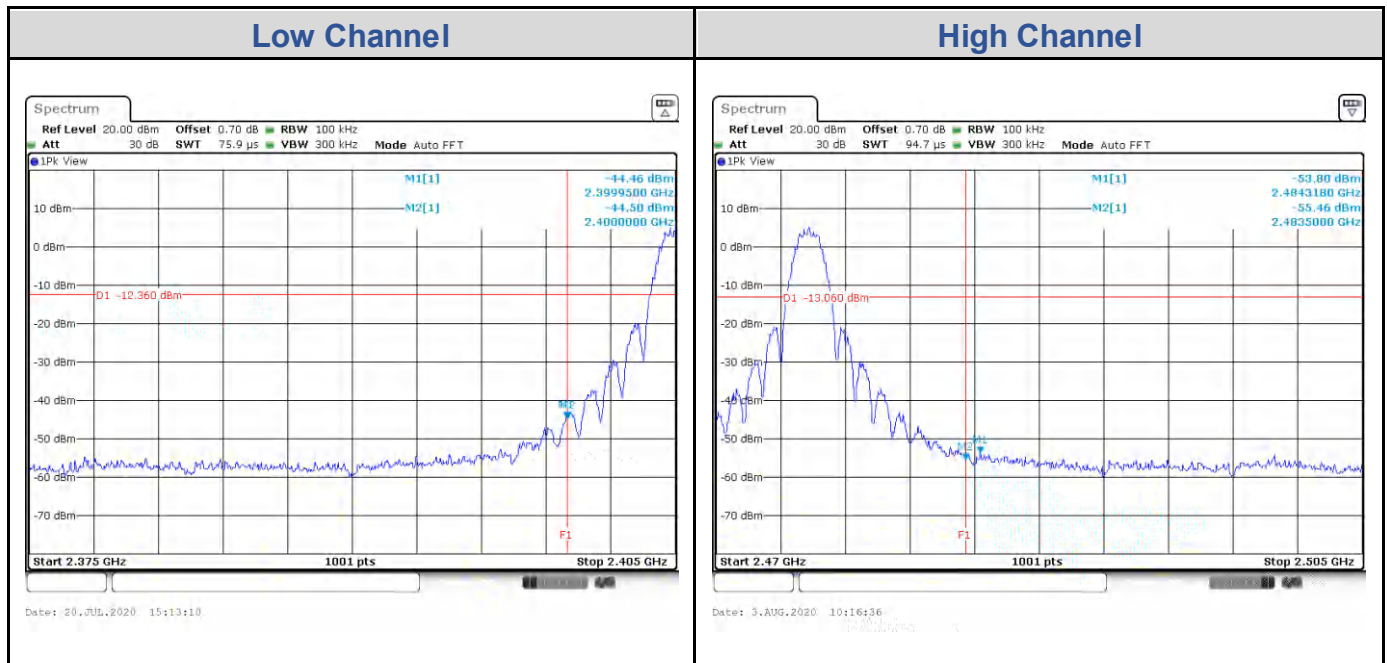


High Channel



Test Result of Conducted Band Edge, Tx Mode

IEEE802.15.4



Appendix B: Test Results of Radiated Spurious Emissions & Mains Conducted Emission Test

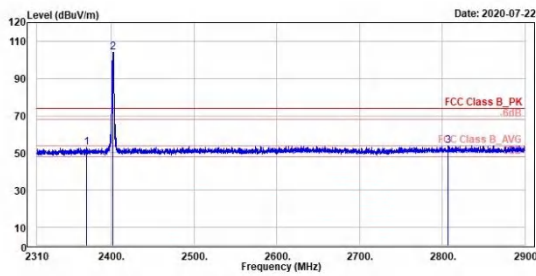
Band Edges, 2.31GHz ~ 2.9GHz

Bluetooth Low Energy 1Mbps

Low Channel (Horizontal) Peak



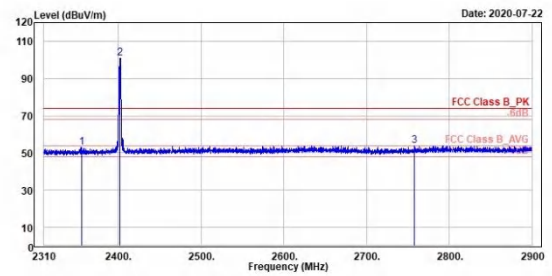
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Tel: +886-2172-1000 Fax: +886-2172-1322



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	2370.30	52.77	15.50	37.27	74.00	-21.23	277	110	Peak	Horizontal	
2 *	2402.00	104.23	66.66	37.57	74.00	30.23	277	110	Peak	Horizontal	
3	2807.61	53.85	15.91	37.94	74.00	-20.15	277	110	Peak	Horizontal	



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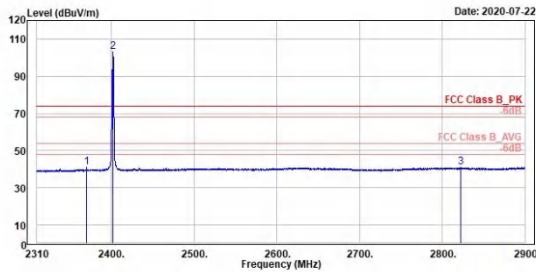
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2355.19	52.99	15.77	37.22	74.00	-21.01	397	192	Peak	Vertical	
2 *	2402.00	101.04	63.67	37.37	74.00	27.04	397	192	Peak	Vertical	
3	2757.57	53.96	16.10	37.86	74.00	-20.04	397	192	Peak	Vertical	

Bluetooth Low Energy 1Mbps

Low Channel (Horizontal) Average



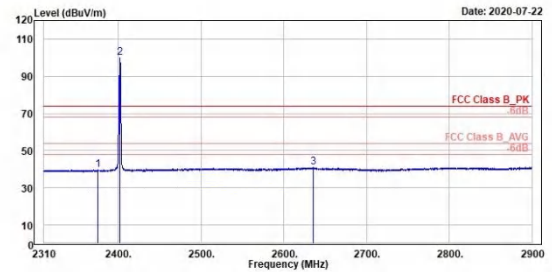
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2369.71	40.86	3.59	37.27	54.00	-13.14	277	110	Average	Horizontal		
2 *	2402.00	103.26	65.89	37.37	54.00	49.26	277	110	Average	Horizontal		
3	2822.59	40.98	3.00	37.98	54.00	-13.02	277	110	Average	Horizontal		



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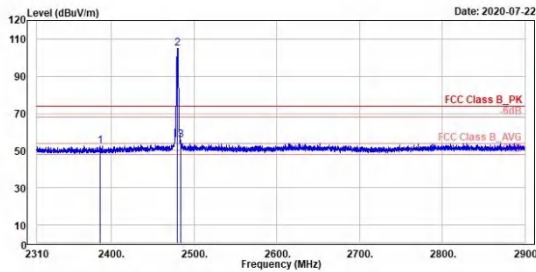
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2375.49	39.56	2.27	37.29	54.00	-14.44	397	192	Average	Vertical		
2 *	2402.00	100.00	62.63	37.37	54.00	46.00	397	192	Average	Vertical		
3	2635.44	40.97	3.08	37.89	54.00	-13.03	397	192	Average	Vertical		

Bluetooth Low Energy 1Mbps

High Channel (Horizontal) Peak



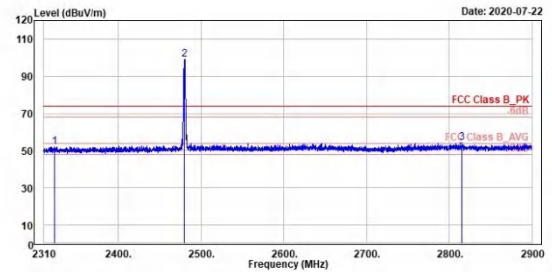
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2386.11	52.44	15.12	37.32	74.00	-21.56	235	289	Peak	Horizontal	
2 *	2488.00	105.16	67.60	37.56	74.00	31.16	235	289	Peak	Horizontal	
3	2483.58	55.77	18.21	37.56	74.00	-18.23	235	289	Peak	Horizontal	



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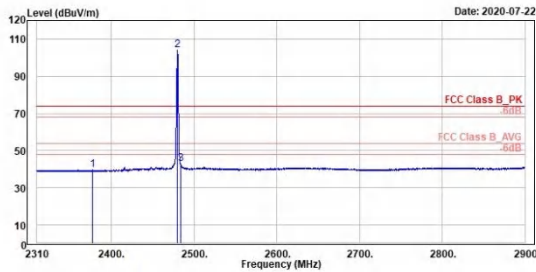
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2322.90	52.09	14.97	37.12	74.00	-21.91	365	179	Peak	Vertical	
2 *	2488.00	98.00	61.24	37.56	74.00	24.00	365	179	Peak	Vertical	
3	2815.39	54.26	16.30	37.96	74.00	-19.74	365	179	Peak	Vertical	

Bluetooth Low Energy 1Mbps

High Channel (Horizontal) Average



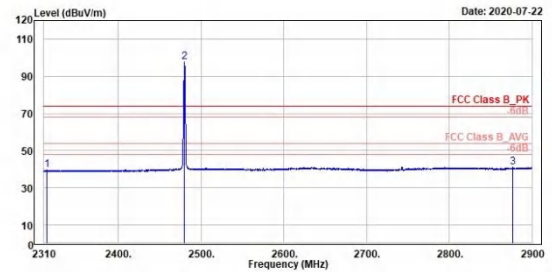
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2377.14	39.55	2.26	37.29	54.00	-14.45	235	289	Average	Horizontal	
2 *	2480.00	104.17	66.61	37.56	54.00	50.17	235	289	Average	Horizontal	
3	2483.50	42.87	5.31	37.56	54.00	-11.13	235	289	Average	Horizontal	



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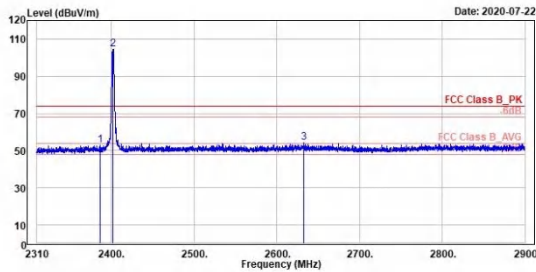
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2314.01	39.51	2.42	37.09	54.00	-14.49	365	179	Average	Vertical	
2 *	2480.00	97.83	60.27	37.56	54.00	43.83	365	179	Average	Vertical	
3	2876.75	41.05	2.85	38.20	54.00	-12.95	365	179	Average	Vertical	

Bluetooth Low Energy 2Mbps

Low Channel (Horizontal) Peak



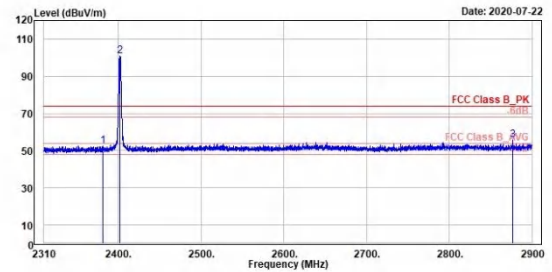
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2386.94	53.09	15.77	37.32	74.00	-20.91	277	110	Peak	Horizontal	
2 *	2402.00	104.39	67.02	37.37	74.00	30.39	277	110	Peak	Horizontal	
3	2633.20	54.20	16.30	37.90	74.00	-19.80	277	110	Peak	Horizontal	



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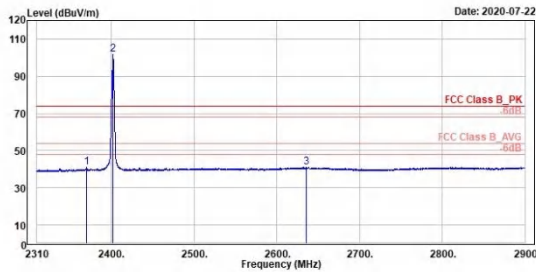
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2381.04	52.49	15.19	37.30	74.00	-21.51	397	193	Peak	Vertical	
2 *	2402.00	100.78	63.41	37.37	74.00	26.78	397	193	Peak	Vertical	
3	2877.11	55.47	17.27	38.20	74.00	-18.53	397	193	Peak	Vertical	

Bluetooth Low Energy 2Mbps

Low Channel (Horizontal) Average



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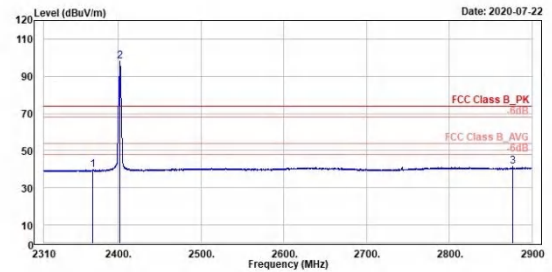


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2370.18	40.85	3.58	37.27	54.00	-13.15	277	110	Average	Horizontal		
2 *	2402.00	101.59	64.22	37.37	54.00	47.59	277	110	Average	Horizontal		
3	2636.03	41.01	3.12	37.89	54.00	-12.99	277	110	Average	Horizontal		

Low Channel (Vertical) Average



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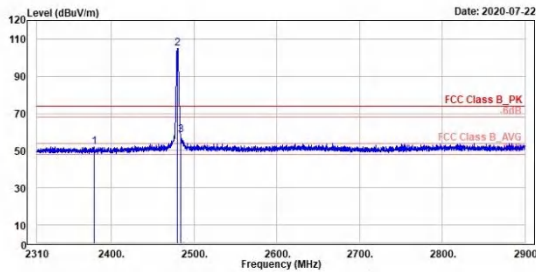
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2369.47	39.80	2.53	37.27	54.00	-14.20	397	193	Average	Vertical		
2 *	2402.00	97.94	60.57	37.37	54.00	43.94	397	193	Average	Vertical		
3	2876.99	41.41	3.21	38.20	54.00	-12.59	397	193	Average	Vertical		

Bluetooth Low Energy 2Mbps

High Channel (Horizontal) Peak



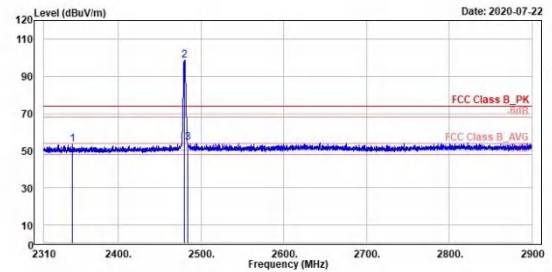
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2379.27	52.23	14.93	37.30	74.00	-21.77	234	289	Peak	Horizontal	
2 *	2480.00	104.63	67.27	37.36	74.00	30.63	234	289	Peak	Horizontal	
3	2483.50	58.20	20.64	37.56	74.00	-15.80	234	289	Peak	Horizontal	



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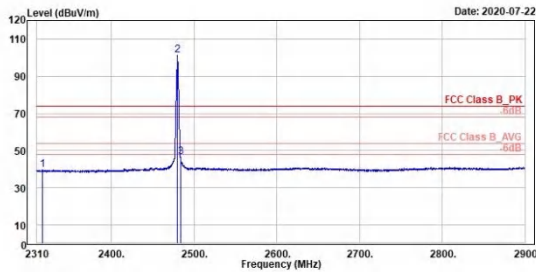
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2344.34	53.21	16.02	37.19	74.00	-20.79	365	178	Peak	Vertical	
2 *	2480.00	98.74	61.18	37.56	74.00	24.74	365	178	Peak	Vertical	
3	2484.29	54.30	16.74	37.56	74.00	-19.70	365	178	Peak	Vertical	

Bluetooth Low Energy 2Mbps

High Channel (Horizontal) Average



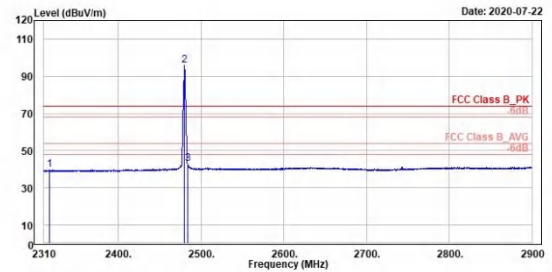
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2316.61	39.68	2.58	37.10	54.00	-14.40	234	289	Average	Horizontal		
2 *	2480.00	101.44	63.68	37.56	54.00	47.44	234	289	Average	Horizontal		
3	2483.50	46.33	8.77	37.56	54.00	-7.67	234	289	Average	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	2316.37	39.58	2.48	37.10	54.00	-14.42	365	178	Average	Vertical		
2 *	2480.00	95.97	58.41	37.56	54.00	41.97	365	178	Average	Vertical		
3	2483.50	42.90	5.34	37.56	54.00	-11.10	365	178	Average	Vertical		

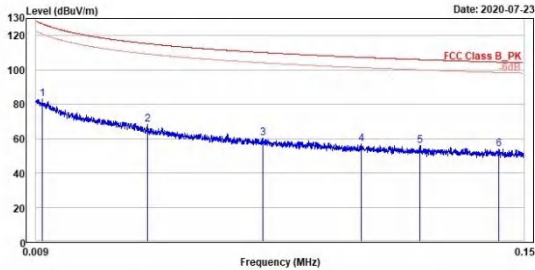
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

Bluetooth Low Energy 2Mbps

High Channel 9kHz~150kHz



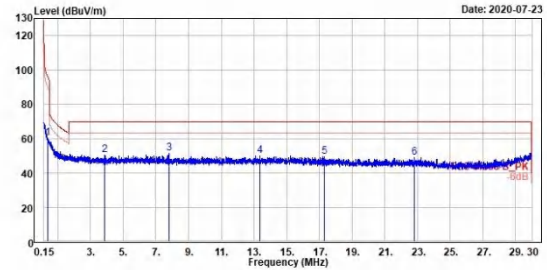
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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.01	83.22	4.90	78.32	126.89	-43.67	100	270 QP	vertical	
2	0.04	68.23	0.98	67.25	115.30	-47.07	100	174 QP	vertical	
3	0.07	60.40	-1.45	61.85	110.14	-49.74	100	360 QP	vertical	
4	0.10	56.61	-2.47	59.08	107.34	-50.73	100	49 QP	vertical	
5	0.12	56.04	-2.05	58.09	106.01	-49.97	100	93 QP	vertical	
6	0.14	54.12	-2.65	56.77	104.50	-50.38	100	9 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	0.37	60.48	11.51	48.97	96.22	-35.74	100	54 QP	vertical	
2	3.89	50.50	12.18	38.32	69.50	-19.00	100	303 QP	vertical	
3	7.79	51.20	13.07	38.13	69.50	-18.30	100	252 QP	vertical	
4	13.34	49.83	12.35	37.48	69.50	-19.67	100	244 QP	vertical	
5	17.32	49.67	12.63	37.04	69.50	-19.83	100	214 QP	vertical	
6	22.81	49.11	13.47	35.64	69.50	-20.39	100	168 QP	vertical	

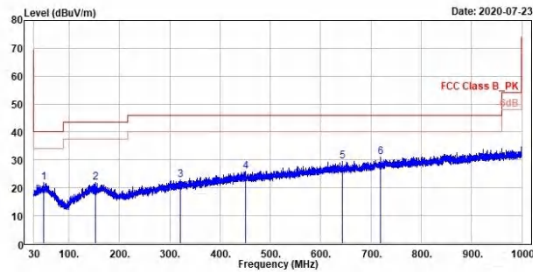
Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

Bluetooth Low Energy 2Mbps

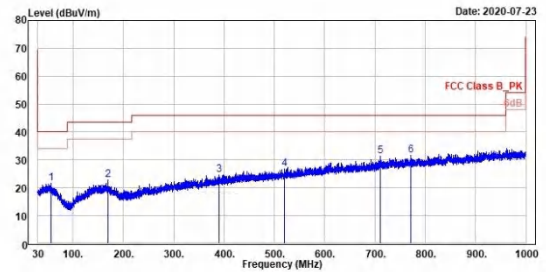
High Channel (Horizontal)



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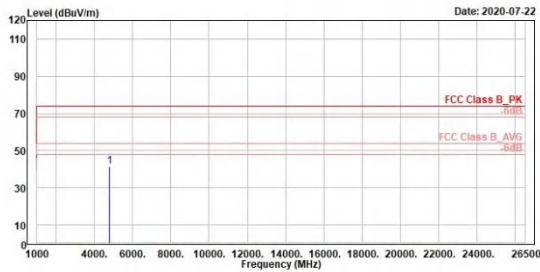
Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

Bluetooth Low Energy 1Mbps

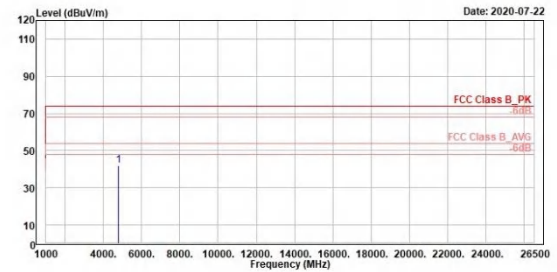
Low Channel (Horizontal)



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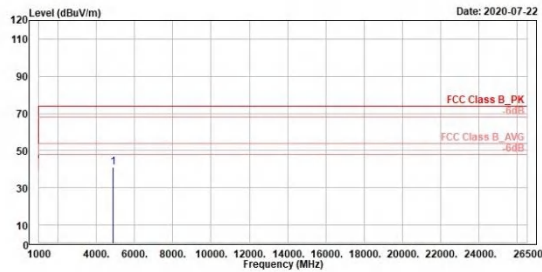


Bluetooth Low Energy 1Mbps

Middle Channel (Horizontal)



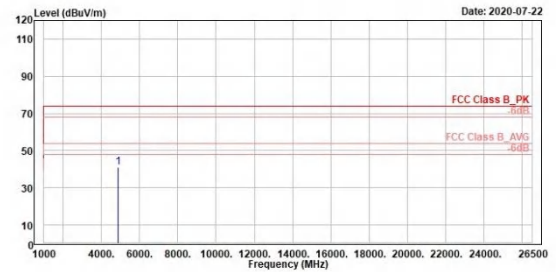
TÜV Rheinland Taiwan Ltd.
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Tel: +886-2172-1000 Fax: +886-2172-1322



1	4880.00	41.19	51.25	-10.06	74.00	-32.81	100	236	Peak	horizontal	
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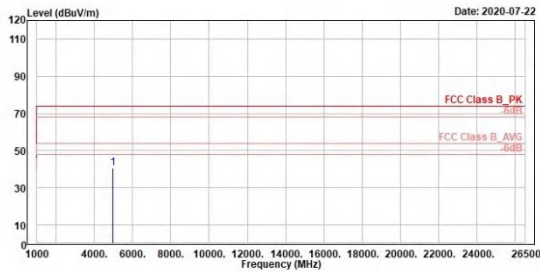
1	4880.00	41.03	51.09	-10.06	74.00	-32.97	100	273	Peak	vertical	
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Bluetooth Low Energy 1Mbps

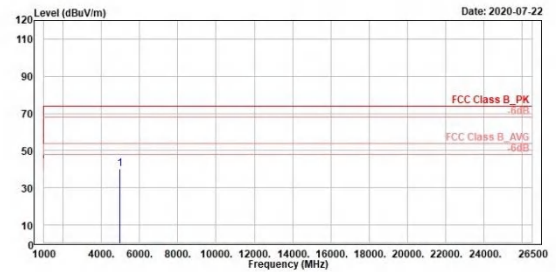
High Channel (Horizontal)



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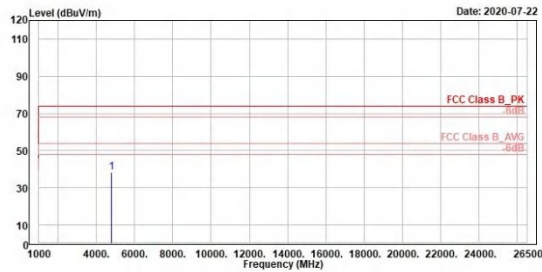


Bluetooth Low Energy 2Mbps

Low Channel (Horizontal)



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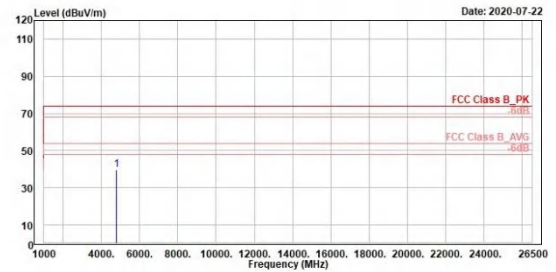


1	4884.00	38.44	48.64	-10.20	74.00	-35.56	129	360	Peak	horizontal
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Low Channel (Vertical)



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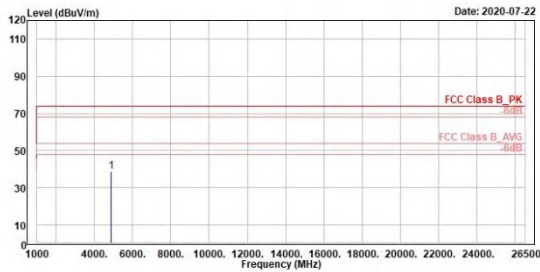
1	4884.00	39.60	49.80	-10.20	74.00	-34.40	100	270	Peak	vertical
---	---------	-------	-------	--------	-------	--------	-----	-----	------	----------

Bluetooth Low Energy 2Mbps

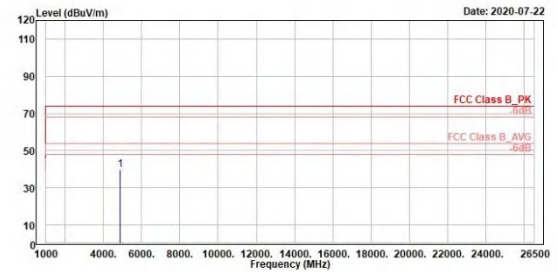
Middle Channel (Horizontal)



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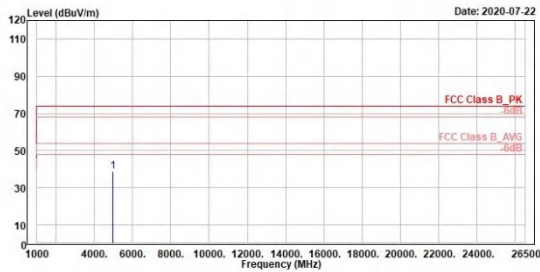


Bluetooth Low Energy 2Mbps

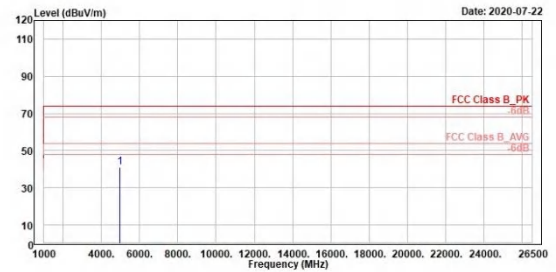
High Channel (Horizontal)



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Mains Conducted Emission, 150kHz ~ 30MHz

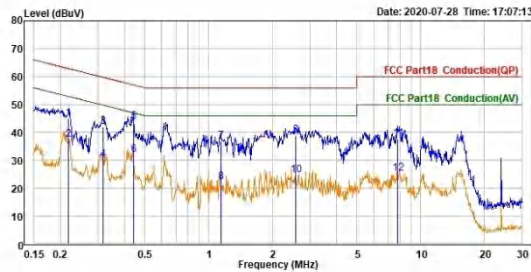
Worst Band

(Line)

(Neutral)



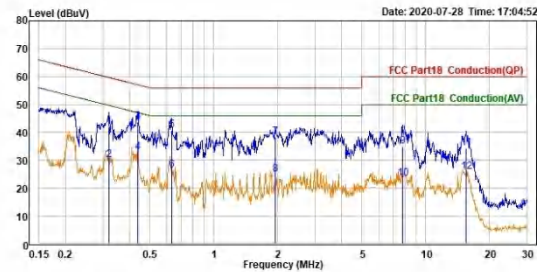
TÜV Rheinland Taiwan Ltd(New Taipei City Branch).
 No. 458-19, Sec. 2, Fenliao Rd., Linkou Dist., New Taipei City 244
 Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark	Note
	MHz	dBuV	dB	dBuV	dBuV	dB			
1	0.218	35.05	10.11	45.16	62.90	-17.74	line1	QP	
2	0.218	27.36	10.11	37.47	52.90	-15.43	line1	Average	
3	0.318	31.80	10.11	41.91	59.75	-17.84	line1	QP	
4	0.318	20.14	10.11	30.25	49.75	-19.50	line1	Average	
5	0.442	33.70	10.12	43.82	57.02	-13.20	line1	QP	
6	0.442	21.78	10.12	31.90	47.02	-15.12	line1	Average	
7	1.141	26.69	10.14	36.83	56.00	-19.17	line1	QP	
8	1.141	12.13	10.14	22.27	46.00	-23.73	line1	Average	
9	2.570	28.83	10.18	39.01	56.00	-16.99	line1	QP	
10	2.570	14.44	10.18	24.62	46.00	-21.38	line1	Average	
11	7.810	27.31	10.31	37.62	60.00	-22.38	line1	QP	
12	7.810	14.89	10.31	25.20	50.00	-24.80	line1	Average	



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	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark	Note
	MHz	dBuV	dB	dBuV	dBuV	dB			
1	0.320	32.01	10.10	42.11	59.71	-17.60	neutral	QP	
2	0.320	20.04	10.10	30.14	49.71	-19.57	neutral	Average	
3	0.440	33.63	10.11	43.74	57.06	-13.32	neutral	QP	
4	0.440	22.69	10.11	32.80	47.06	-14.26	neutral	Average	
5	0.633	30.72	10.12	40.84	56.00	-15.16	neutral	QP	
6	0.633	16.37	10.12	26.49	46.00	-19.51	neutral	Average	
7	1.954	28.16	10.16	38.32	56.00	-17.68	neutral	QP	
8	1.954	14.83	10.16	24.99	46.00	-21.01	neutral	Average	
9	7.771	24.79	10.31	35.10	60.00	-24.90	neutral	QP	
10	7.771	13.01	10.31	23.32	50.00	-26.68	neutral	Average	
11	15.538	23.87	10.51	34.38	60.00	-25.62	neutral	QP	
12	15.538	15.36	10.51	25.87	50.00	-24.13	neutral	Average	

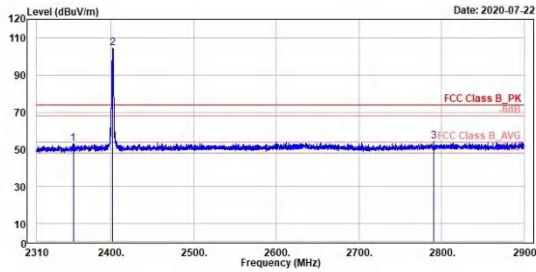
Band Edges, 2.31GHz ~ 2.9GHz

ANT 1Mbps

Low Channel (Horizontal) Peak



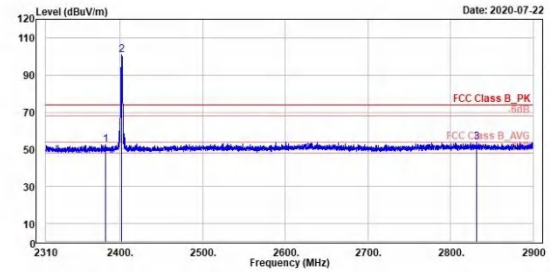
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2354.13	53.12	15.90	37.22	74.00	-20.88		277	110	Peak	Horizontal	
2 *	2402.00	104.39	67.02	37.37	74.00	30.39		277	110	Peak	Horizontal	
3	2790.85	54.11	16.21	37.90	74.00	-19.89		277	110	Peak	Horizontal	



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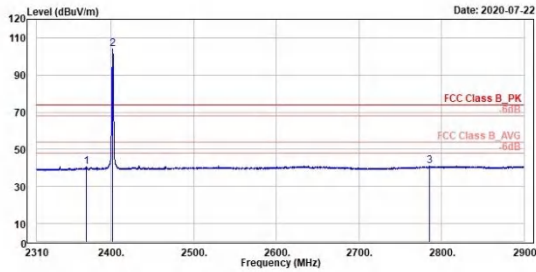
Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2382.69	52.51	15.20	37.31	74.00	-21.49		396	191	Peak	Vertical	
2 *	2402.00	100.65	63.28	37.37	74.00	26.65		396	191	Peak	Vertical	
3	2832.03	54.07	16.06	38.01	74.00	-19.93		396	191	Peak	Vertical	

ANT 1Mbps

Low Channel (Horizontal) Average



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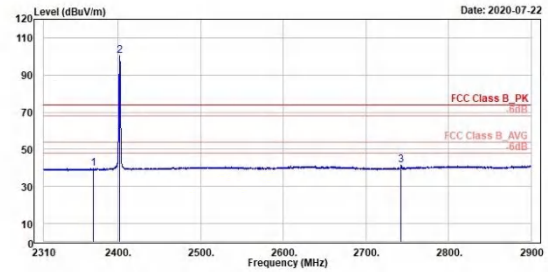


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2379.06	48.61	3.54	37.27	54.00	-13.19		277	110	Average	Horizontal	
2 *	2402.00	103.95	66.58	37.37	54.00	49.95		277	110	Average	Horizontal	
3	2785.54	41.03	3.14	37.89	54.00	-12.97		277	110	Average	Horizontal	

Low Channel (Vertical) Average



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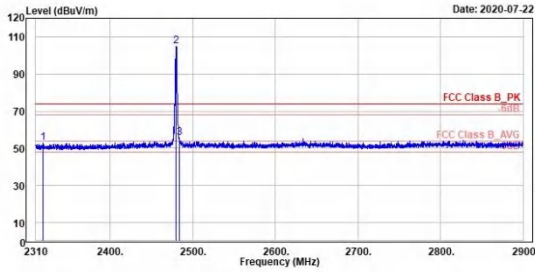
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2369.94	39.77	2.50	37.27	74.00	-34.23		396	191	Peak	Vertical	
2 *	2402.00	100.17	62.88	37.37	74.00	26.17		396	191	Peak	Vertical	
3	2742.94	41.33	3.48	37.85	74.00	-32.67		396	191	Peak	Vertical	

ANT 1Mbps

High Channel (Horizontal) Peak



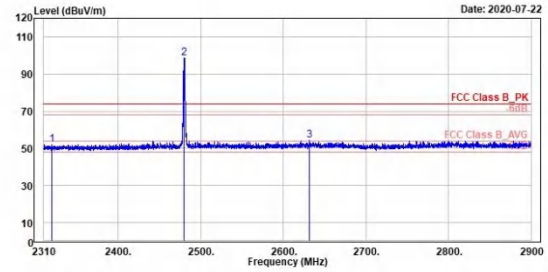
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2318.97	52.94	15.83	37.11	74.00	-21.06	235	289	Peak	Horizontal		
2 *	2488.00	104.82	67.26	37.56	74.00	30.82	235	289	Peak	Horizontal		
3	2483.70	55.52	17.96	37.56	74.00	-18.48	235	289	Peak	Horizontal		



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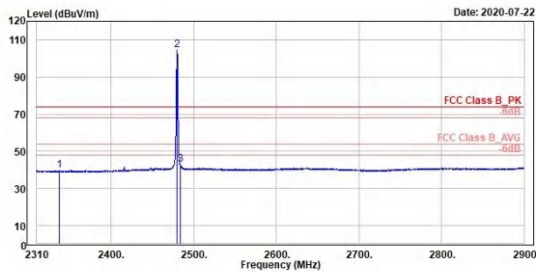
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2319.32	52.03	14.92	37.11	74.00	-21.97	271	189	Peak	Vertical		
2 *	2488.00	98.72	61.16	37.56	74.00	24.72	271	189	Peak	Vertical		
3	2631.79	54.10	16.21	37.89	74.00	-19.90	271	189	Peak	Vertical		

ANT 1Mbps

High Channel (Horizontal) Average



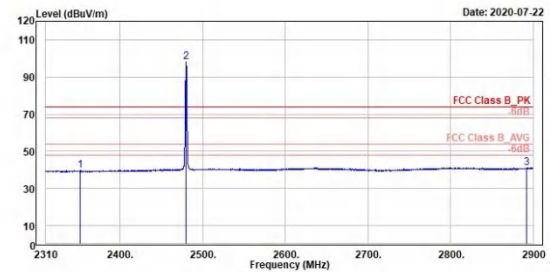
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High Channel (Vertical) Average



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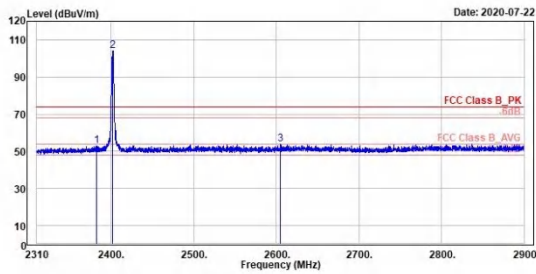


Nordic Original 2Mbps

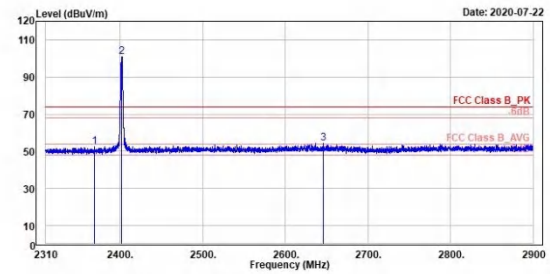
Low Channel (Horizontal) Peak



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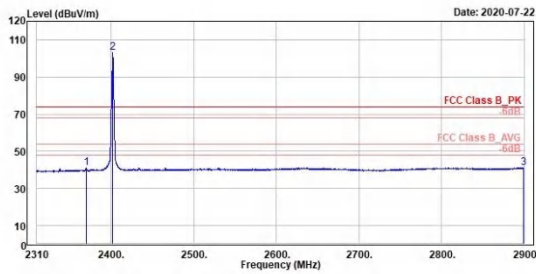


Nordic Original 2Mbps

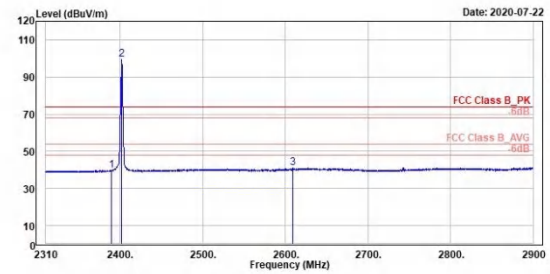
Low Channel (Horizontal) Average



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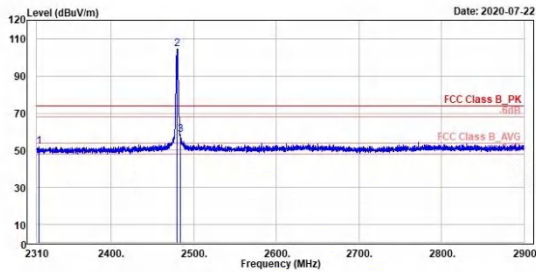


Nordic Original 2Mbps

High Channel (Horizontal) Peak



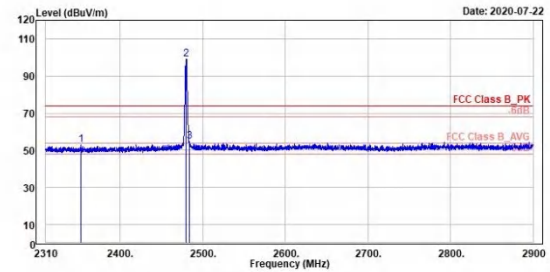
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2312.12	51.84	14.76	37.08	74.00	-22.16	234	289	Peak	Horizontal		
2 *	2488.00	104.60	67.04	37.56	74.00	30.60	234	289	Peak	Horizontal		
3	2483.58	58.34	20.78	37.56	74.00	-15.66	234	289	Peak	Horizontal		



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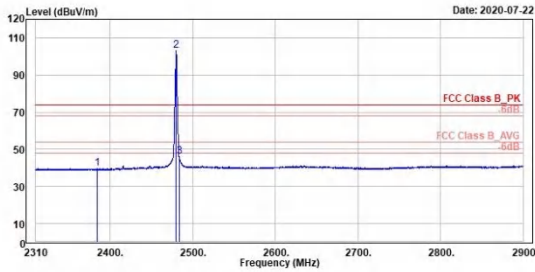
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2352.13	52.88	15.67	37.21	74.00	-21.12	271	189	Peak	Vertical		
2 *	2488.00	98.00	61.24	37.56	74.00	24.00	271	189	Peak	Vertical		
3	2484.29	54.64	17.08	37.56	74.00	-19.36	271	189	Peak	Vertical		

Nordic Original 2Mbps

High Channel (Horizontal) Average



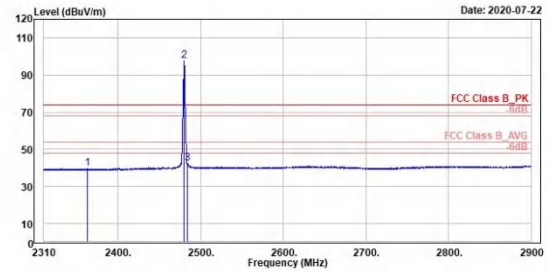
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2384.46	39.66	2.34	37.32	54.00	-14.34	234	289	Average	Horizontal		
2 *	2488.00	103.25	65.69	37.56	54.00	49.25	234	289	Average	Horizontal		
3	2483.50	45.86	8.30	37.56	54.00	-8.14	234	289	Average	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	dB	cm	deg			
1	2362.98	39.63	2.38	37.25	54.00	-14.37	271	189	Average	Vertical		
2 *	2488.00	97.50	59.94	37.56	54.00	43.50	271	189	Average	Vertical		
3	2483.50	42.52	4.96	37.56	54.00	-11.48	271	189	Average	Vertical		

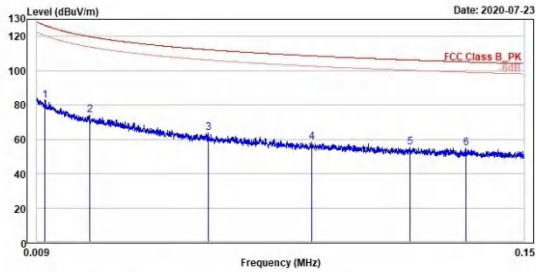
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

ANT 1Mbps

High Channel 9kHz~150kHz



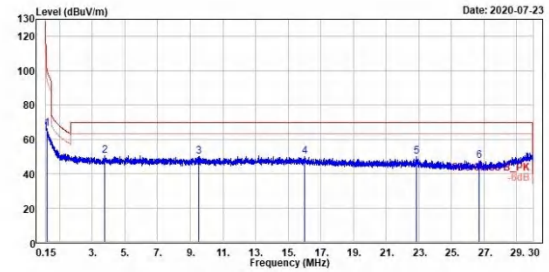
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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.01	82.61	4.68	77.93	126.42	-43.81	100	62 QP	vertical		
2	0.02	74.05	2.27	71.78	119.50	-45.45	100	281 QP	vertical		
3	0.06	63.78	-0.07	63.85	112.24	-48.46	100	28 QP	vertical		
4	0.09	58.45	-2.12	60.57	108.66	-50.21	100	0 QP	vertical		
5	0.12	55.48	-2.79	58.27	106.24	-50.76	100	176 QP	vertical		
6	0.13	54.75	-2.58	57.33	105.11	-50.36	100	267 QP	vertical		



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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.24	66.15	13.97	52.18	99.91	-33.76	100	34 QP	vertical		
2	3.75	50.47	12.18	38.29	69.50	-19.03	100	176 QP	vertical		
3	9.54	49.84	12.16	37.68	69.50	-19.66	100	0 QP	vertical		
4	16.01	49.72	12.19	37.53	69.50	-19.78	100	331 QP	vertical		
5	22.85	50.05	14.43	35.62	69.50	-19.45	100	66 QP	vertical		
6	26.69	47.65	13.35	34.30	69.50	-21.85	100	260 QP	vertical		

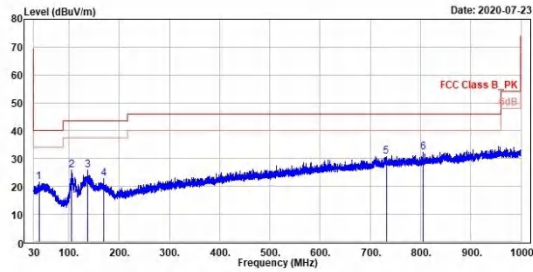
Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

ANT 1Mbps

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

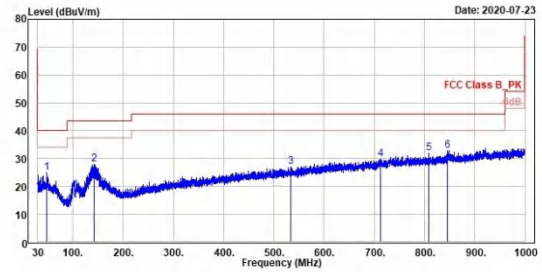


Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	40.19	21.52	29.52	-8.00	40.00	-18.48	300	173 QP	horizontal
2	105.18	25.75	37.52	-11.77	43.50	-17.75	300	254 QP	horizontal
3	136.51	25.74	33.99	-8.25	43.50	-17.76	200	5 QP	horizontal
4	168.52	22.94	30.17	-7.23	43.50	-20.56	197	360 QP	horizontal
5	731.80	30.00	30.06	0.74	46.00	-15.20	300	109 QP	horizontal
6	805.90	32.24	30.43	1.81	46.00	-13.76	200	32 QP	horizontal

High Channel (Vertical)



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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	47.75	24.87	32.40	-7.53	40.00	-15.13	200	341 QP	vertical
2	142.04	27.84	35.58	-7.74	43.50	-15.66	180	174 QP	vertical
3	533.43	27.20	29.84	-2.64	46.00	-18.80	400	105 QP	vertical
4	713.17	29.84	29.48	0.36	46.00	-16.16	200	80 QP	vertical
5	808.91	32.08	30.21	1.87	46.00	-13.92	100	167 QP	vertical
6	845.96	32.90	30.55	2.35	46.00	-13.10	300	162 QP	vertical

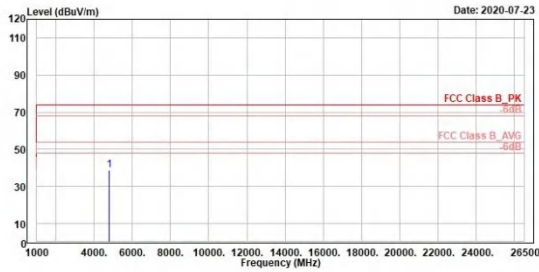
Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

ANT 1Mbps

Low Channel (Horizontal)



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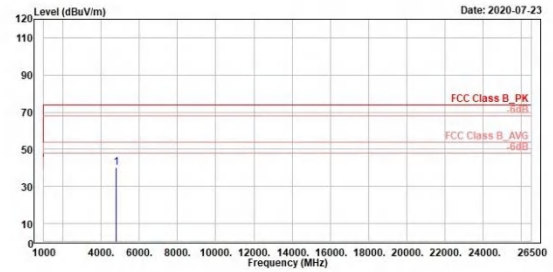


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4884.00	38.97	49.17	-10.20	74.00	-35.03	100	244	Peak	horizontal	

Low Channel (Vertical)



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
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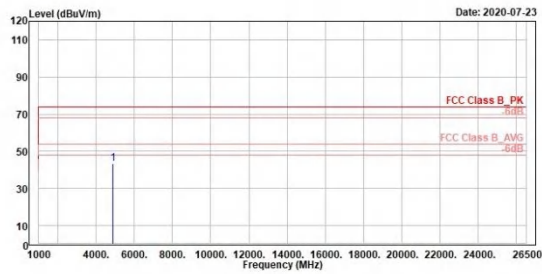
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4884.00	40.29	50.49	-10.20	74.00	-33.71	100	275	Peak	vertical	

ANT 1Mbps

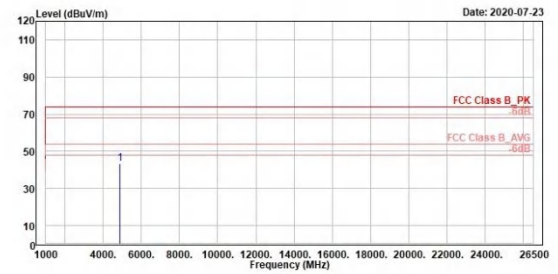
Middle Channel (Horizontal)



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

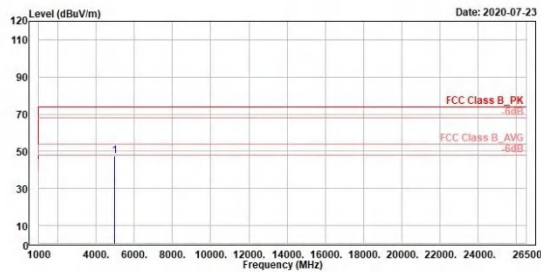


ANT 1Mbps

High Channel (Horizontal)



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

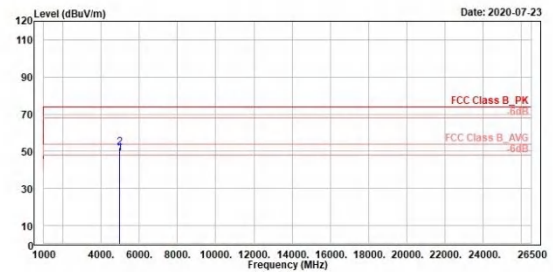


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	47.40	57.16	-9.76	74.00	-26.60	300	181	Peak	horizontal	

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



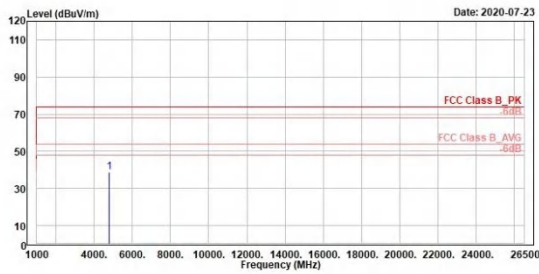
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	48.64	58.40	-9.76	54.00	-5.36	296	254	Average	vertical	
2	4960.00	52.00	61.76	-9.76	74.00	-22.00	296	254	Peak	vertical	

Nordic Original 2Mbps

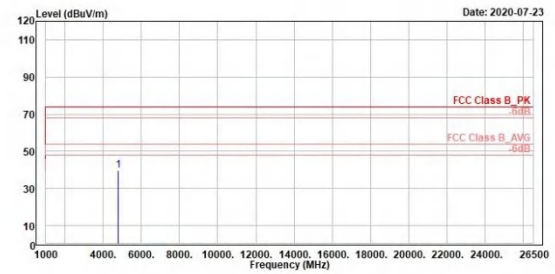
Low Channel (Horizontal)



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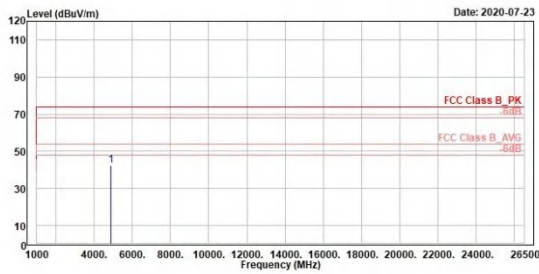


Nordic Original 2Mbps

Middle Channel (Horizontal)



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
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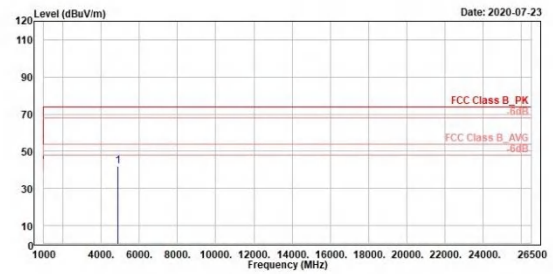


Freq	Level	Read	Level	Factor	Limit	Over	Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg					
1	4882.00	42.51	52.57	-10.06	74.00	-31.49	100	288	Peak	horizontal		

Middle Channel (Vertical)



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
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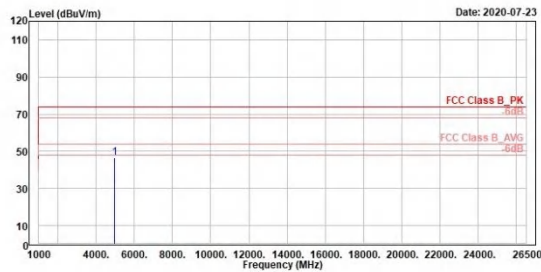
Freq	Level	Read	Level	Factor	Limit	Over	Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg					
1	4882.00	42.17	52.23	-10.06	74.00	-31.83	100	235	Peak	vertical		

Nordic Original 2Mbps

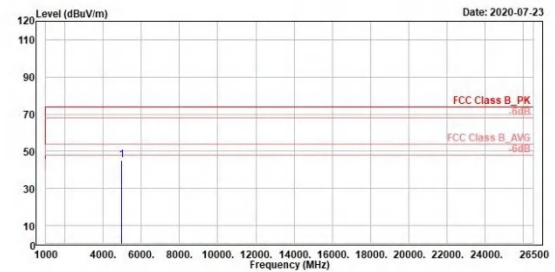
High Channel (Horizontal)



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Mains Conducted Emission, 150kHz ~ 30MHz

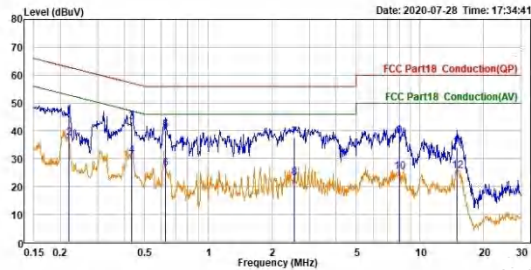
Worst Band

(Line)

(Neutral)



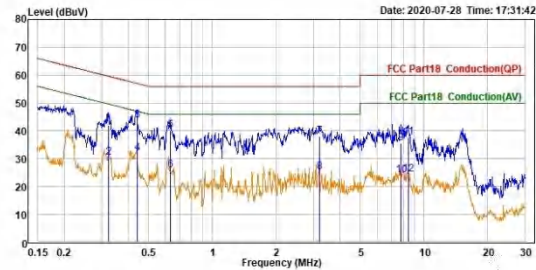
TUV Rheinland Taiwan Ltd(New Taipei City Branch).
No. 458-19, Sec. 2, Fenliao Rd., Linkou Dist., New Taipei City 244
Tel: +886-2172-1000 Fax: +886-2172-1322



	Read	Factor	Level	Limit	Over			
Freq	Level			Line	Limit	Pol/Phase	Remark	Note
MHz	dBuV	dB	dBuV	dBuV	dB			
1	0.219	35.53	10.11	45.64	62.85	-17.21	line1	QP
2	0.219	27.18	10.11	37.29	52.85	-15.56	line1	Average
3	0.434	32.97	10.12	43.09	57.18	-14.09	line1	QP
4	0.434	20.95	10.12	31.07	47.18	-16.11	line1	Average
5	0.630	30.16	10.12	40.28	56.00	-15.72	line1	QP
6	0.630	16.46	10.12	26.58	46.00	-19.42	line1	Average
7	2.557	27.55	10.18	37.73	56.00	-18.27	line1	QP
8	2.557	12.86	10.18	23.04	46.00	-22.96	line1	Average
9	7.968	27.76	10.31	38.07	60.00	-21.93	line1	QP
10	7.968	14.89	10.31	25.20	50.00	-24.80	line1	Average
11	15.005	23.57	10.49	34.06	60.00	-25.94	line1	QP
12	15.005	15.13	10.49	25.62	50.00	-24.38	line1	Average



TUV Rheinland Taiwan Ltd(New Taipei City Branch).
No. 458-19, Sec. 2, Fenliao Rd., Linkou Dist., New Taipei City 244
Tel: +886-2172-1000 Fax: +886-2172-1322



	Read	Factor	Level	Limit	Over			
Freq	Level			Line	Limit	Pol/Phase	Remark	Note
MHz	dBuV	dB	dBuV	dBuV	dB			
1	0.323	31.84	10.10	41.94	59.62	-17.68	neutral	QP
2	0.323	20.33	10.10	30.43	49.62	-19.19	neutral	Average
3	0.442	33.63	10.11	43.74	57.02	-13.28	neutral	QP
4	0.442	21.88	10.11	31.99	47.02	-15.03	neutral	Average
5	0.633	30.13	10.12	40.25	56.00	-15.75	neutral	QP
6	0.633	15.86	10.12	25.98	46.00	-20.02	neutral	Average
7	3.200	27.73	10.19	37.92	56.00	-18.08	neutral	QP
8	3.200	14.94	10.19	25.13	46.00	-20.87	neutral	Average
9	7.771	25.42	10.31	35.73	60.00	-24.27	neutral	QP
10	7.771	13.63	10.31	23.94	50.00	-26.06	neutral	Average
11	8.417	27.38	10.32	37.70	60.00	-22.30	neutral	QP
12	8.417	14.08	10.32	24.40	50.00	-25.60	neutral	Average

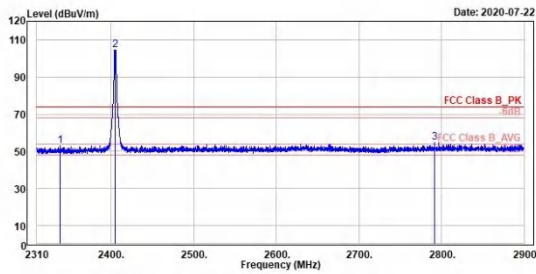
Band Edges, 2.31GHz ~ 2.9GHz

IEEE802.15.4

Low Channel (Horizontal) Peak



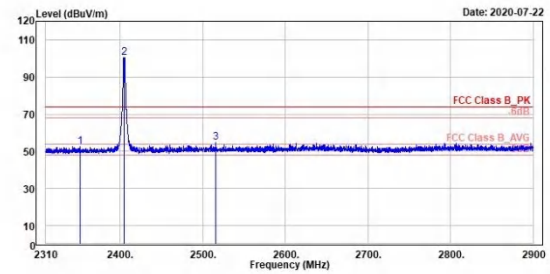
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



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	2338.32	53.06	15.89	37.17	74.00	-20.94	312	258	Peak	Horizontal	
2 *	2405.00	104.69	67.22	37.38	74.00	30.69	312	258	Peak	Horizontal	
3	2791.44	54.55	16.65	37.90	74.00	-19.45	312	258	Peak	Horizontal	



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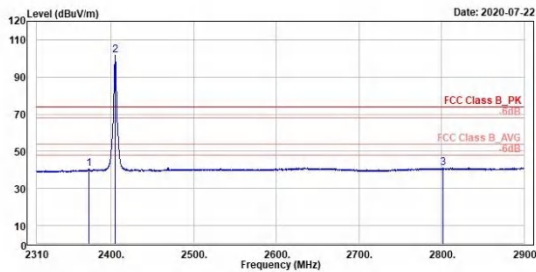
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2351.54	52.54	15.33	37.21	74.00	-21.46	396	193	Peak	Vertical	
2 *	2405.00	100.50	63.12	37.38	74.00	26.50	396	193	Peak	Vertical	
3	2515.79	54.62	16.96	37.66	74.00	-19.38	396	193	Peak	Vertical	

IEEE802.15.4

Low Channel (Horizontal) Average



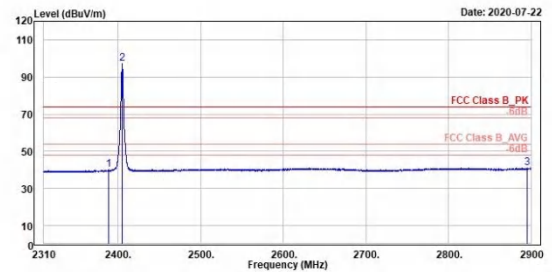
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2372.66	40.51	3.23	37.28	54.00	-13.49		312	258	Average	Horizontal	
2 *	2405.00	101.57	64.19	37.38	54.00	47.57		312	258	Average	Horizontal	
3	2801.94	41.04	3.13	37.91	54.00	-12.96		312	258	Average	Horizontal	



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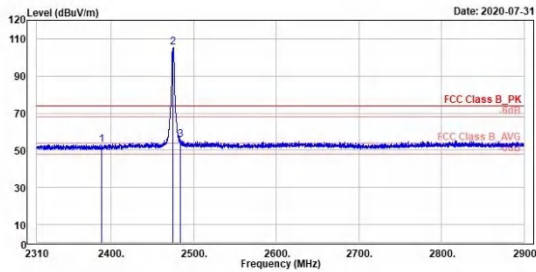
		Freq	Level	Read	Line	Over	APos	TPos	Remark	Pol/Phase	Note
		MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1		2388.82	39.93	2.60	37.33	54.00	-14.07	396	193	Average	Vertical
2	*	2405.00	97.37	59.99	37.38	54.00	43.37	396	193	Average	Vertical
3		2895.28	41.01	2.72	38.29	54.00	-12.99	396	193	Average	Vertical

IEEE802.15.4

High Channel (Horizontal) Peak



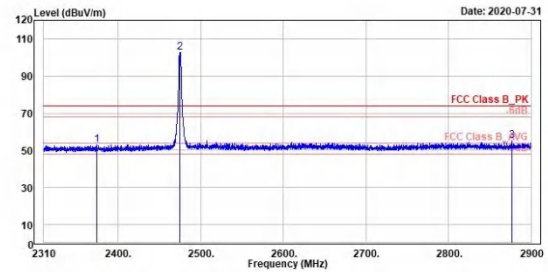
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2388.35	53.06	15.73	37.33	74.00	-20.94	184	284	Peak	Horizontal		
2 *	2475.00	105.17	67.62	37.55	74.00	31.17	184	284	Peak	Horizontal		
3	2483.93	55.47	17.91	37.56	74.00	-18.53	184	284	Peak	Horizontal		



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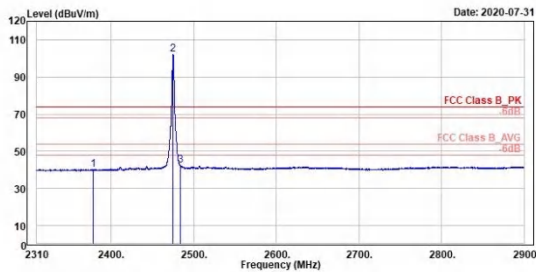
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2374.43	52.75	15.47	37.28	74.00	-21.25	361	207	Peak	Vertical		
2 *	2475.00	102.68	65.33	37.55	74.00	28.68	361	207	Peak	Vertical		
3	2877.23	55.24	17.04	38.20	74.00	-18.76	361	207	Peak	Vertical		

IEEE802.15.4

High Channel (Horizontal) Average



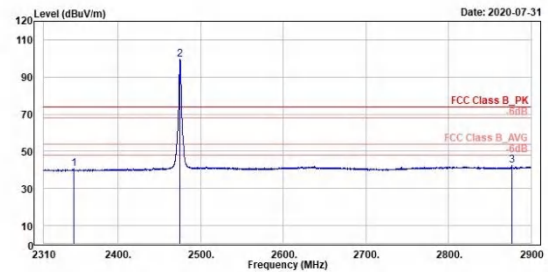
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
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High Channel (Vertical) Average



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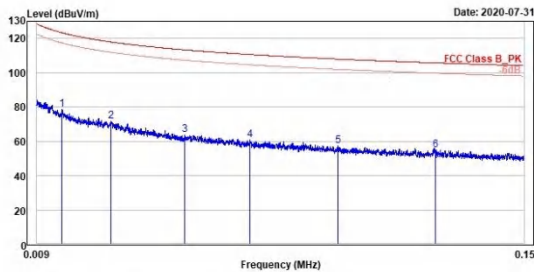
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

IEEE802.15.4

High Channel 9kHz~150kHz



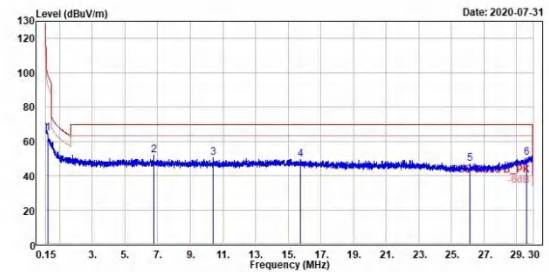
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.02	78.58	3.68	74.90	123.37	-44.79	100	21 QP	vertical		
2	0.03	71.78	1.17	70.61	117.92	-46.14	100	228 QP	vertical		
3	0.05	63.61	-1.18	64.79	113.30	-49.69	100	109 QP	vertical		
4	0.07	60.77	-1.51	62.28	110.61	-49.84	100	216 QP	vertical		
5	0.10	57.32	-2.38	59.70	107.93	-50.61	100	106 QP	vertical		
6	0.12	54.76	-3.07	57.83	105.69	-50.93	100	158 QP	vertical		



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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.26	64.59	12.85	51.74	99.39	-34.80	100	34 QP	vertical		
2	6.76	51.78	13.42	38.36	69.50	-17.72	100	73 QP	vertical		
3	10.39	50.54	13.11	37.43	69.50	-18.96	100	307 QP	vertical		
4	15.74	49.32	11.74	37.58	69.50	-20.18	100	135 QP	vertical		
5	26.12	46.96	12.66	34.30	69.50	-22.54	100	4 QP	vertical		
6	29.60	50.31	11.52	38.79	69.50	-19.19	100	43 QP	vertical		

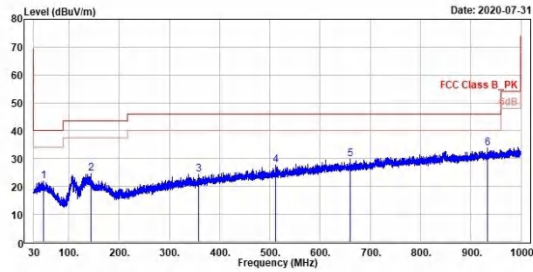
Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

IEEE802.15.4

High Channel (Horizontal)



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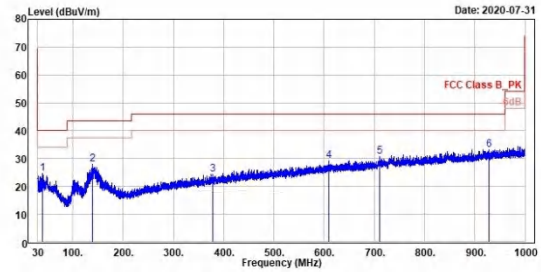


	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	49.89	21.75	29.21	-7.46	48.00	-18.25	280	0 QP	horizontal		
2	143.39	24.62	32.29	-7.67	43.50	-18.88	480	187 QP	horizontal		
3	358.05	24.23	29.82	-5.59	46.00	-21.77	314	360 QP	horizontal		
4	511.80	27.82	30.76	-2.94	46.00	-18.18	400	19 QP	horizontal		
5	660.69	29.69	30.26	-0.57	46.00	-16.31	100	211 QP	horizontal		
6	933.94	33.72	29.72	4.00	46.00	-12.28	300	166 QP	horizontal		

High Channel (Vertical)



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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	49.89	24.50	32.51	-8.01	48.00	-15.50	180	304 QP	vertical		
2	138.25	27.87	35.93	-8.06	43.50	-15.63	180	177 QP	vertical		
3	377.65	24.29	29.35	-5.06	46.00	-21.71	194	360 QP	vertical		
4	609.48	29.16	30.17	-1.01	46.00	-16.84	200	320 QP	vertical		
5	711.43	30.79	30.48	0.31	46.00	-15.21	400	314 QP	vertical		
6	928.03	33.25	29.34	3.91	46.00	-12.75	400	91 QP	vertical		

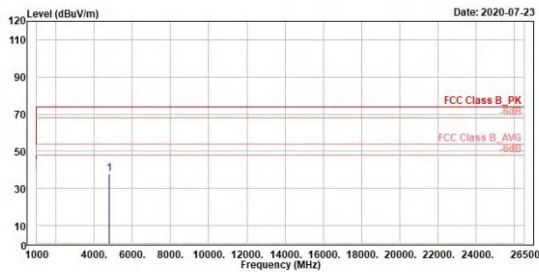
Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

IEEE802.15.4

Low Channel (Horizontal)



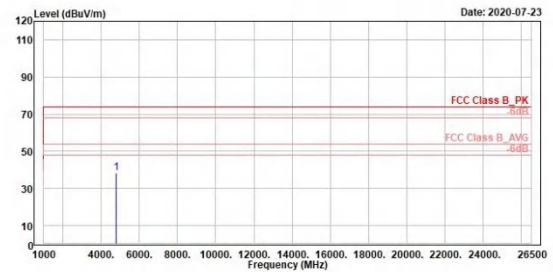
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Low Channel (Vertical)



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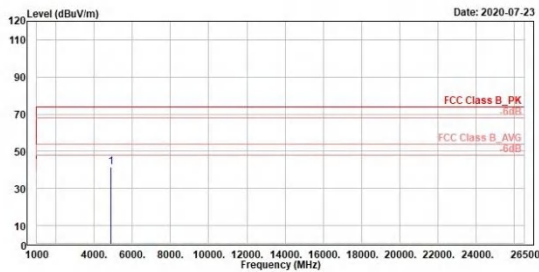


IEEE802.15.4

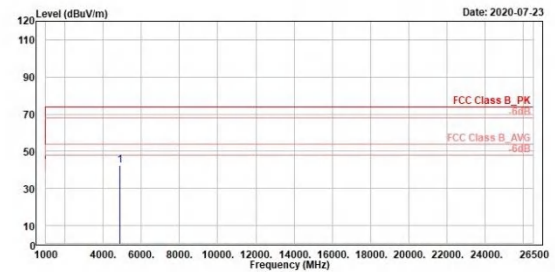
Middle Channel (Horizontal)



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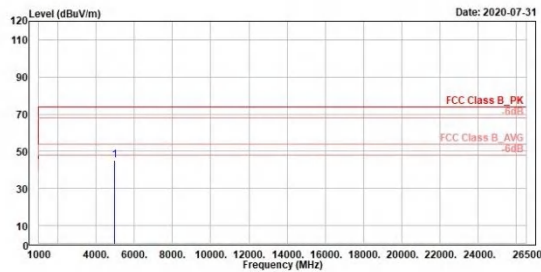


IEEE802.15.4

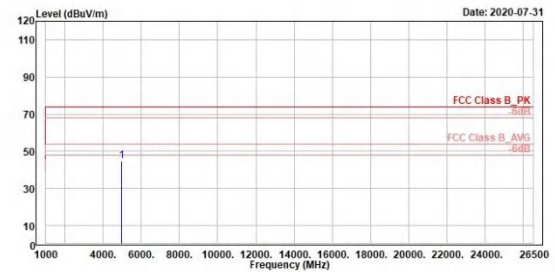
High Channel (Horizontal)



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Mains Conducted Emission, 150kHz ~ 30MHz

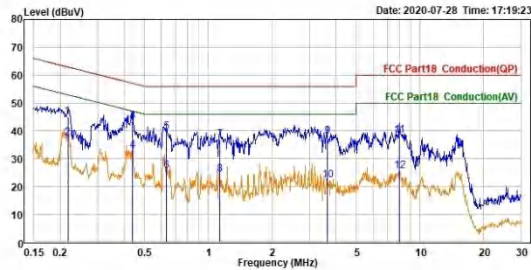
Worst Band

(Line)

(Neutral)



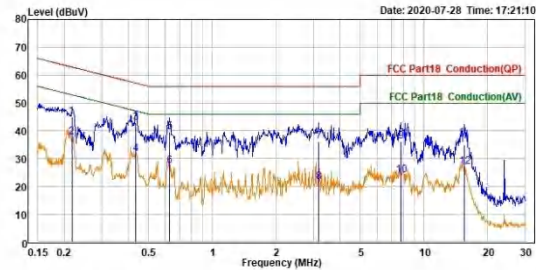
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	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark	Note
	MHz	dBuV	dB	dBuV	dBuV	dB			
1	0.217	34.89	10.11	45.00	62.94	-17.94	line1	QP	
2	0.217	27.42	10.11	37.53	52.94	-15.41	line1	Average	
3	0.440	33.45	10.12	43.57	57.06	-13.49	line1	QP	
4	0.440	22.66	10.12	32.78	47.06	-14.28	line1	Average	
5	0.637	29.40	10.13	39.53	56.00	-16.47	line1	QP	
6	0.637	15.55	10.13	25.68	46.00	-20.32	line1	Average	
7	1.135	26.76	10.14	36.90	56.00	-19.10	line1	QP	
8	1.135	14.06	10.14	24.20	46.00	-21.80	line1	Average	
9	3.643	27.72	10.21	37.93	56.00	-18.07	line1	QP	
10	3.643	12.07	10.21	22.28	46.00	-23.72	line1	Average	
11	7.968	27.96	10.31	38.27	60.00	-21.73	line1	QP	
12	7.968	15.09	10.31	25.40	50.00	-24.60	line1	Average	



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	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark	Note
	MHz	dBuV	dB	dBuV	dBuV	dB			
1	0.217	34.99	10.11	45.10	62.94	-17.84	neutral	QP	
2	0.217	27.54	10.11	37.65	52.94	-15.29	neutral	Average	
3	0.436	32.88	10.11	42.99	57.14	-14.15	neutral	QP	
4	0.436	21.45	10.11	31.56	47.14	-15.58	neutral	Average	
5	0.627	29.29	10.12	39.41	56.00	-16.59	neutral	QP	
6	0.627	17.11	10.12	27.23	46.00	-18.77	neutral	Average	
7	3.169	26.11	10.19	36.30	56.00	-19.70	neutral	QP	
8	3.169	11.26	10.19	21.45	46.00	-24.55	neutral	Average	
9	7.771	25.78	10.31	36.09	60.00	-23.91	neutral	QP	
10	7.771	13.75	10.31	24.06	50.00	-25.94	neutral	Average	
11	15.538	24.54	10.51	35.05	60.00	-24.95	neutral	QP	
12	15.538	16.57	10.51	27.08	50.00	-22.92	neutral	Average	