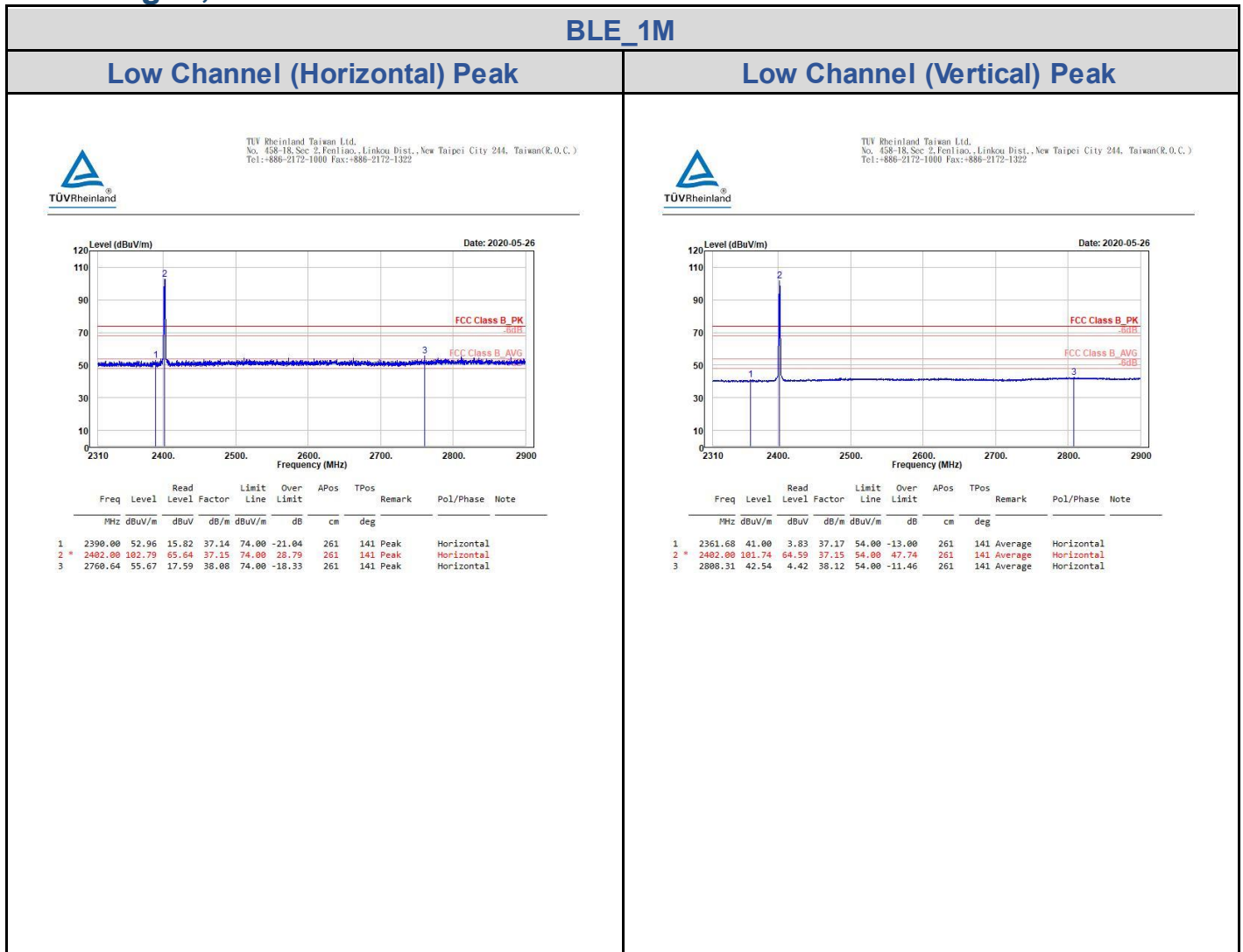


# Appendix B: Test Results of Radiated Spurious Emissions & Mains Conducted Emission Test

## Band Edges, 2.35GHz ~ 2.5GHz



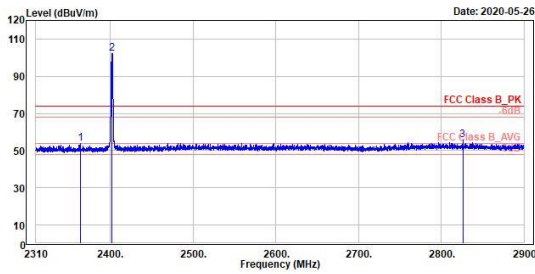
BLE\_1M

Low Channel (Horizontal) Average

Low Channel (Vertical) Average



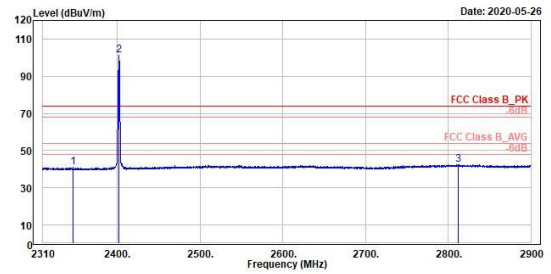
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1	2	3							
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
2363.01	54.02	16.06	37.16	74.00	-19.98	238	150 Peak	Vertical	
2402.00	102.31	65.18	37.15	74.00	28.31	238	150 Peak	Vertical	
2826.13	55.76	17.65	38.11	74.00	-18.24	238	150 Peak	Vertical	



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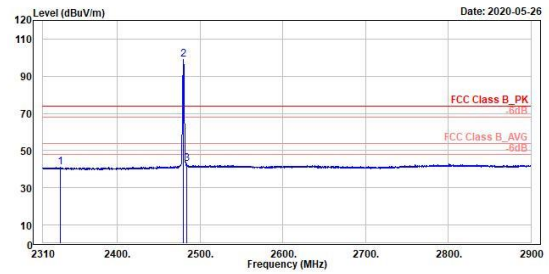
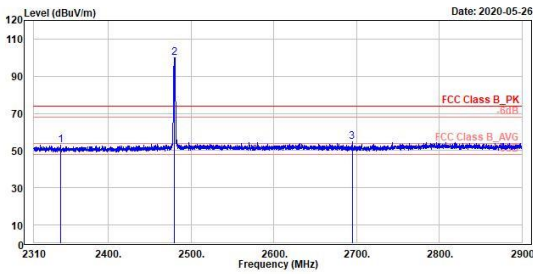


1	2	3							
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
2346.23	41.03	3.06	37.17	54.00	-12.97	238	150 Average	Vertical	
2402.00	101.22	64.07	37.15	54.00	47.22	238	150 Average	Vertical	
2812.21	42.45	4.33	38.12	54.00	-11.55	238	150 Average	Vertical	

BLE\_1M

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



Peak	Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2342.18	53.18	15.94	37.16	74.00	-20.98	248	272 Peak	Horizontal	
2 *	2480.08	100.14	62.58	37.56	74.00	26.14	248	272 Peak	Horizontal	
3	2694.88	54.87	17.18	37.69	74.00	-19.13	248	272 Peak	Horizontal	

Peak	Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2338.77	48.91	3.76	37.15	54.00	-13.89	248	272 Average	Horizontal	
2 *	2480.08	98.98	61.42	37.56	54.00	44.98	248	272 Average	Horizontal	
3	2483.46	42.84	5.27	37.57	54.00	-11.16	248	272 Average	Horizontal	

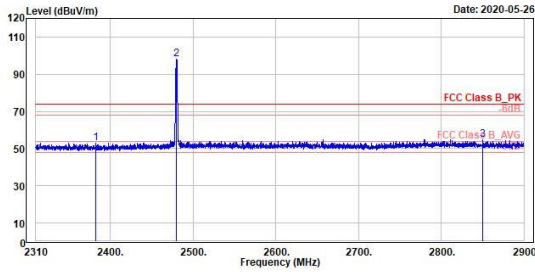
BLE\_1M

High Channel (Horizontal) Average

High Channel (Vertical) Average



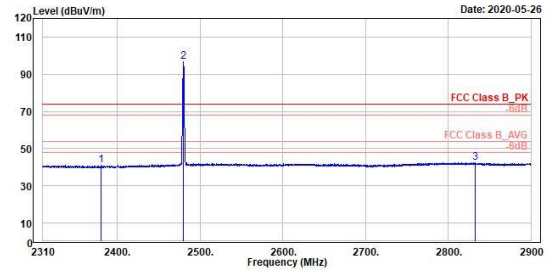
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1	2	3
2382.22	2488.00	2858.32
52.09	97.91	54.87
15.74	60.55	16.78
37.15	37.56	38.09
74.00	74.00	74.00
-21.11	23.91	-19.13
296	296	296
360	360	360
Peak	Peak	Peak
Vertical	Vertical	Vertical

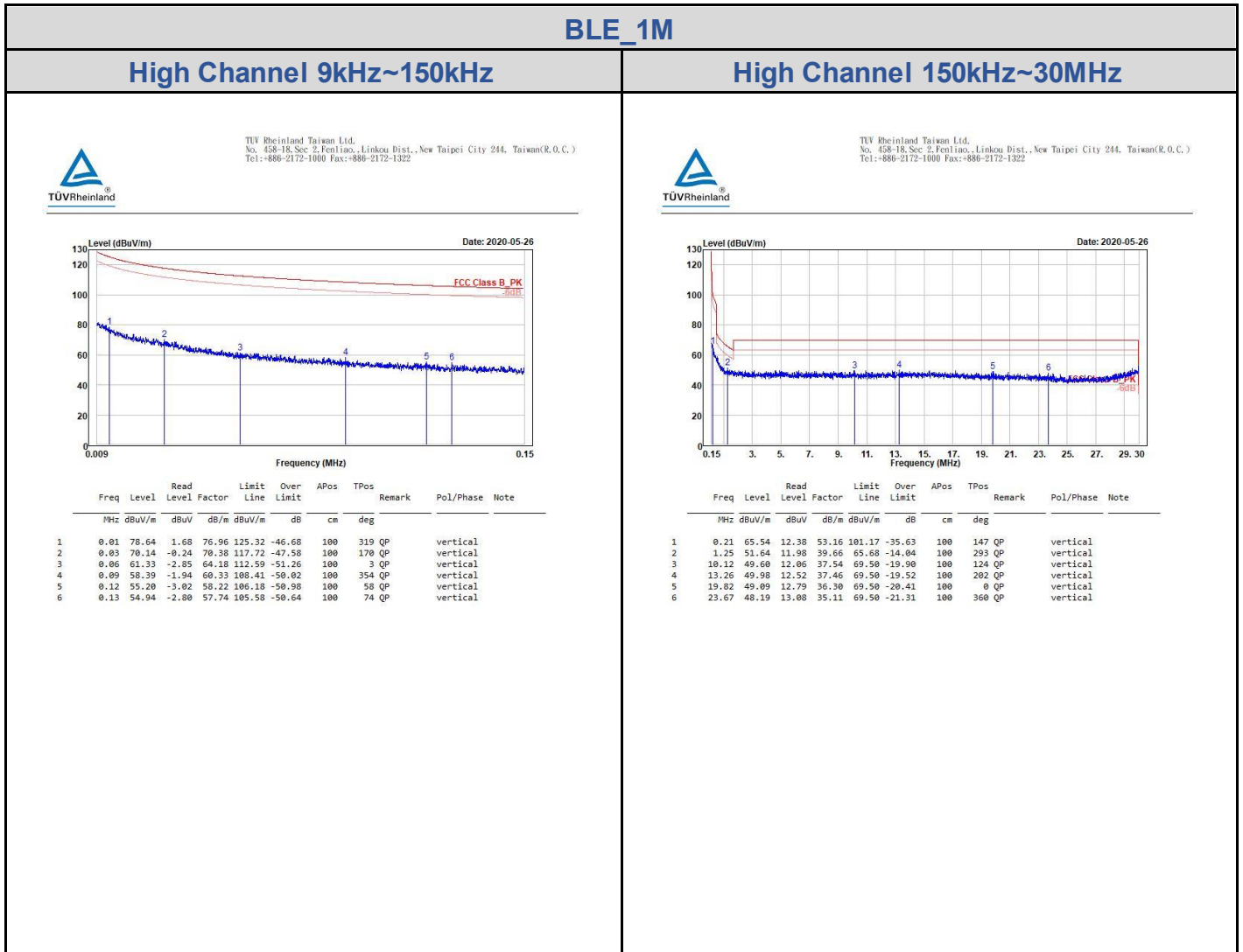


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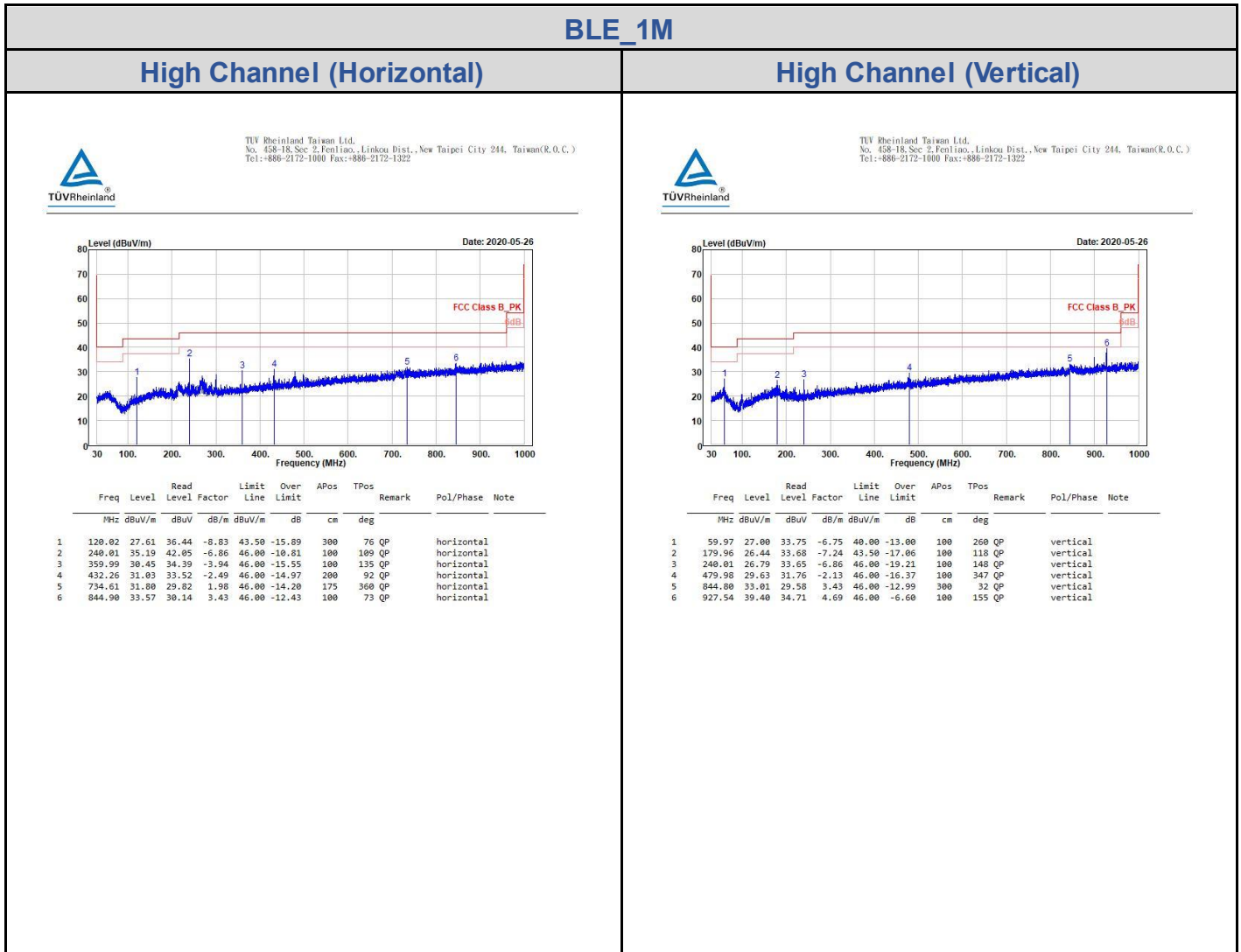


1	2	3
2388.45	2488.00	2832.98
40.86	96.78	42.44
3.71	59.22	4.34
37.15	37.56	38.10
54.00	54.00	54.00
-13.14	42.78	-11.56
296	296	296
360	360	360
Average	Average	Average
Vertical	Vertical	Vertical

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz



Spurious Emissions, Tx Mode, 30MHz ~ 1GHz



Spurious Emissions, Tx Mode, 1GHz ~ 40GHz

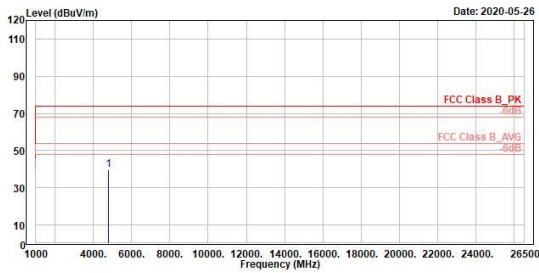
BLE\_1M

Low Channel (Horizontal)

Low Channel (Vertical)



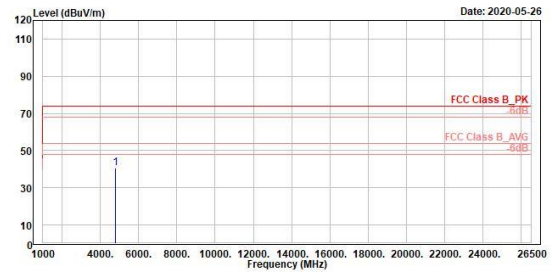
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1	4884.00	39.72	49.16	-9.44	74.00	-34.28	358	360	Peak	horizontal
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1	4884.00	40.62	50.06	-9.44	74.00	-33.38	329	360	Peak	vertical
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BLE\_1M

Middle Channel (Horizontal)

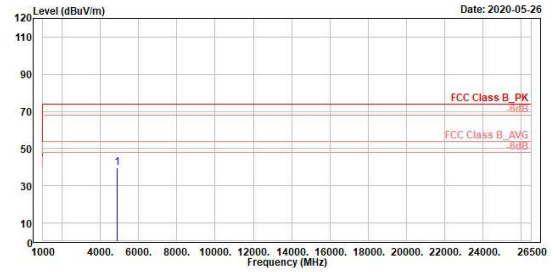
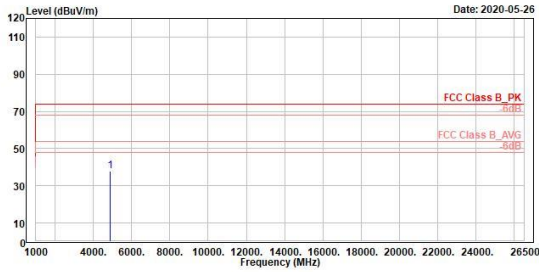
Middle Channel (Vertical)



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1	4880.00	37.91	47.22	-9.31	74.00	-36.09	100	159	Peak	horizontal
---	---------	-------	-------	-------	-------	--------	-----	-----	------	------------

1	4880.00	39.58	48.89	-9.31	74.00	-34.42	100	120	Peak	vertical
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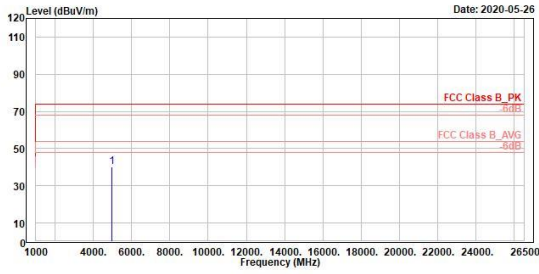
BLE\_1M

High Channel (Horizontal)

High Channel (Vertical)



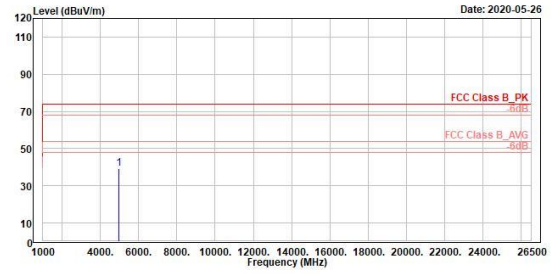
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4960.00	40.15	49.28	-9.13	74.00	-33.85	400	360 Peak	horizontal	



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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4960.00	39.33	48.46	-9.13	74.00	-34.67	400	361 Peak	vertical	

Mains Conducted Emission, 150kHz ~ 30MHz

BLE\_1M 2480MHz

(Line)

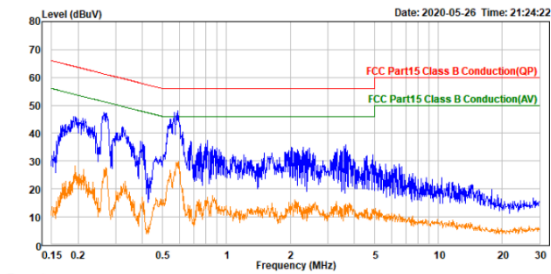
(Neutral)



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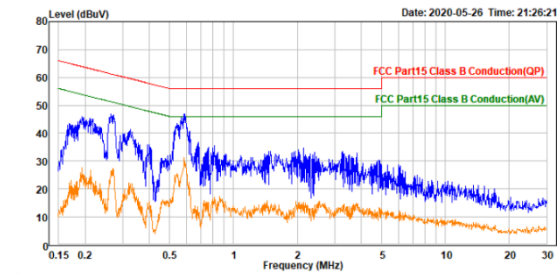


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Trace: 1

	Read Freq	Level	Factor	Level	Over Limit	Remark	Pol/Phase	Note
	MHz	dBuV	dB	dBuV	dB			
1	0.192	-74.17	10.11	-64.06	-127.99	QP	neutral	
2	0.192	-92.12	10.11	-82.01	-135.94	Average	neutral	
3	0.265	-72.96	10.11	-62.85	-124.13	QP	neutral	
4	0.265	-90.90	10.11	-80.79	-132.07	Average	neutral	
5	0.323	-79.01	10.10	-68.91	-128.53	QP	neutral	
6	0.323	-96.52	10.10	-86.42	-136.04	Average	neutral	
7	0.393	-85.10	10.11	-74.99	-133.00	QP	neutral	
8	0.393	-103.53	10.11	-93.42	-141.43	Average	neutral	
9	0.588	-73.11	10.12	-62.99	-118.99	QP	neutral	
10	0.588	-87.84	10.12	-77.72	-123.72	Average	neutral	
11	0.817	-85.06	10.14	-74.92	-130.92	QP	neutral	
12	0.817	-101.27	10.14	-91.13	-137.13	Average	neutral	



Trace: 1

	Read Freq	Level	Factor	Level	Over Limit	Remark	Pol/Phase	Note
	MHz	dBuV	dB	dBuV	dB			
1	0.169	-78.41	10.11	-68.30	-133.31	QP	line1	
2	0.169	-97.40	10.11	-87.29	-142.30	Average	line1	
3	0.193	-74.39	10.11	-64.28	-128.17	QP	line1	
4	0.193	-91.98	10.11	-81.87	-135.76	Average	line1	
5	0.265	-73.37	10.11	-63.26	-124.54	QP	line1	
6	0.265	-90.82	10.11	-80.71	-131.99	Average	line1	
7	0.326	-79.38	10.11	-69.27	-128.81	QP	line1	
8	0.326	-96.03	10.11	-85.92	-135.46	Average	line1	
9	0.588	-73.89	10.12	-63.77	-119.77	QP	line1	
10	0.588	-87.80	10.12	-77.68	-123.68	Average	line1	
11	0.686	-87.18	10.13	-77.05	-133.05	QP	line1	
12	0.686	-106.09	10.13	-95.96	-141.96	Average	line1	