

Appendix A: Test Results of Radiated Emissions & Mains Conducted Emission Test

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

9kHz~150kHz (Open)		150kHz~30MHz (Open)																																																																																																																																																															
WLAN 2.4GHz + WLAN 5GHz + WLAN 6E																																																																																																																																																																	
<div style="text-align: right; font-size: small;"> 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 </div> <p style="text-align: right; font-size: small;">Date: 2023-07-12</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Read</th> <th>Limit</th> <th>Over</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>Pol/Phase</th> <th>Note</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dBuV</th> <th>dB/m</th> <th>dBuV/m</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td>1</td><td>0.03</td><td>57.22</td><td>38.27</td><td>18.95</td><td>119.13</td><td>-61.91</td><td>100</td><td>161 Peak</td><td>Open</td></tr> <tr><td>2</td><td>0.05</td><td>48.30</td><td>29.25</td><td>19.05</td><td>113.11</td><td>-64.81</td><td>100</td><td>180 Peak</td><td>Open</td></tr> <tr><td>3</td><td>0.07</td><td>43.79</td><td>25.11</td><td>18.68</td><td>110.88</td><td>-67.09</td><td>100</td><td>189 Peak</td><td>Open</td></tr> <tr><td>4</td><td>0.08</td><td>42.12</td><td>23.74</td><td>18.38</td><td>109.47</td><td>-67.35</td><td>100</td><td>176 Peak</td><td>Open</td></tr> <tr><td>5</td><td>0.09</td><td>41.24</td><td>23.10</td><td>18.14</td><td>108.44</td><td>-67.20</td><td>100</td><td>190 Peak</td><td>Open</td></tr> <tr><td>6</td><td>0.11</td><td>36.75</td><td>18.77</td><td>17.98</td><td>106.49</td><td>-69.74</td><td>100</td><td>190 Peak</td><td>Open</td></tr> </tbody> </table>	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			1	0.03	57.22	38.27	18.95	119.13	-61.91	100	161 Peak	Open	2	0.05	48.30	29.25	19.05	113.11	-64.81	100	180 Peak	Open	3	0.07	43.79	25.11	18.68	110.88	-67.09	100	189 Peak	Open	4	0.08	42.12	23.74	18.38	109.47	-67.35	100	176 Peak	Open	5	0.09	41.24	23.10	18.14	108.44	-67.20	100	190 Peak	Open	6	0.11	36.75	18.77	17.98	106.49	-69.74	100	190 Peak	Open	<div style="text-align: right; font-size: small;"> 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 </div> <p style="text-align: right; font-size: small;">Date: 2023-07-12</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Read</th> <th>Limit</th> <th>Over</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>Pol/Phase</th> <th>Note</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dBuV</th> <th>dB/m</th> <th>dBuV/m</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td>1</td><td>0.33</td><td>37.29</td><td>18.54</td><td>18.75</td><td>97.26</td><td>-59.97</td><td>100</td><td>238 Peak</td><td>Open</td></tr> <tr><td>2</td><td>0.72</td><td>34.11</td><td>15.16</td><td>18.95</td><td>70.49</td><td>-36.38</td><td>100</td><td>164 Peak</td><td>Open</td></tr> <tr><td>3</td><td>3.19</td><td>31.42</td><td>11.80</td><td>19.62</td><td>69.50</td><td>-38.00</td><td>100</td><td>34 Peak</td><td>Open</td></tr> <tr><td>4</td><td>6.30</td><td>33.89</td><td>13.86</td><td>20.03</td><td>69.50</td><td>-35.61</td><td>100</td><td>174 Peak</td><td>Open</td></tr> <tr><td>5</td><td>17.46</td><td>36.17</td><td>14.10</td><td>22.07</td><td>69.50</td><td>-33.33</td><td>100</td><td>148 Peak</td><td>Open</td></tr> <tr><td>6</td><td>24.90</td><td>36.16</td><td>13.88</td><td>22.28</td><td>69.50</td><td>-33.34</td><td>100</td><td>73 Peak</td><td>Open</td></tr> </tbody> </table>	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			1	0.33	37.29	18.54	18.75	97.26	-59.97	100	238 Peak	Open	2	0.72	34.11	15.16	18.95	70.49	-36.38	100	164 Peak	Open	3	3.19	31.42	11.80	19.62	69.50	-38.00	100	34 Peak	Open	4	6.30	33.89	13.86	20.03	69.50	-35.61	100	174 Peak	Open	5	17.46	36.17	14.10	22.07	69.50	-33.33	100	148 Peak	Open	6	24.90	36.16	13.88	22.28	69.50	-33.34	100	73 Peak	Open
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note																																																																																																																																																								
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg																																																																																																																																																										
1	0.03	57.22	38.27	18.95	119.13	-61.91	100	161 Peak	Open																																																																																																																																																								
2	0.05	48.30	29.25	19.05	113.11	-64.81	100	180 Peak	Open																																																																																																																																																								
3	0.07	43.79	25.11	18.68	110.88	-67.09	100	189 Peak	Open																																																																																																																																																								
4	0.08	42.12	23.74	18.38	109.47	-67.35	100	176 Peak	Open																																																																																																																																																								
5	0.09	41.24	23.10	18.14	108.44	-67.20	100	190 Peak	Open																																																																																																																																																								
6	0.11	36.75	18.77	17.98	106.49	-69.74	100	190 Peak	Open																																																																																																																																																								
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note																																																																																																																																																								
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg																																																																																																																																																										
1	0.33	37.29	18.54	18.75	97.26	-59.97	100	238 Peak	Open																																																																																																																																																								
2	0.72	34.11	15.16	18.95	70.49	-36.38	100	164 Peak	Open																																																																																																																																																								
3	3.19	31.42	11.80	19.62	69.50	-38.00	100	34 Peak	Open																																																																																																																																																								
4	6.30	33.89	13.86	20.03	69.50	-35.61	100	174 Peak	Open																																																																																																																																																								
5	17.46	36.17	14.10	22.07	69.50	-33.33	100	148 Peak	Open																																																																																																																																																								
6	24.90	36.16	13.88	22.28	69.50	-33.34	100	73 Peak	Open																																																																																																																																																								

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

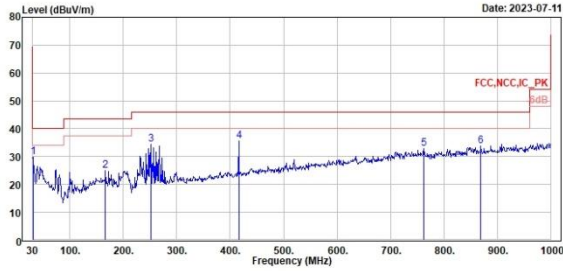
WLAN 2.4GHz + WLAN 5GHz + WLAN 6E

Horizontal

Vertical



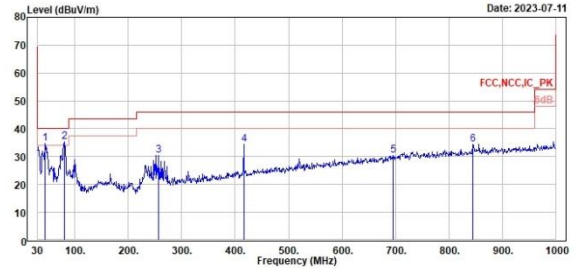
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	30.97	29.09	38.88	-8.99	40.00	-10.11	100		79 Peak	Horizontal	
2	166.77	24.96	31.89	-6.93	43.50	-18.54	100		246 Peak	Horizontal	
3	252.13	34.52	42.49	-7.97	46.00	-11.48	100		114 Peak	Horizontal	
4	416.06	35.61	39.71	-4.10	46.00	-10.39	100		216 Peak	Horizontal	
5	762.35	32.85	30.14	2.71	46.00	-13.15	100		85 Peak	Horizontal	
6	869.05	33.77	29.96	3.81	46.00	-12.23	200		225 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



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	44.55	34.68	42.05	-7.37	40.00	-5.32	100		209 Peak	Vertical	
2	80.44	35.36	47.59	-12.23	40.00	-4.64	100		323 Peak	Vertical	
3	256.98	30.48	38.35	-7.87	46.00	-15.52	100		115 Peak	Vertical	
4	416.06	34.37	38.47	-4.10	46.00	-11.63	100		137 Peak	Vertical	
5	695.42	30.33	28.86	1.47	46.00	-15.67	200		90 Peak	Vertical	
6	844.80	34.29	30.57	3.72	46.00	-11.71	100		158 Peak	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 40GHz

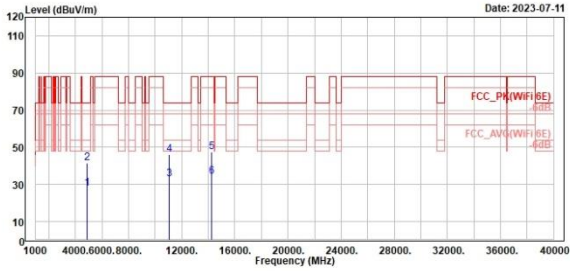
WLAN 2.4GHz + WLAN 5GHz + WLAN 6E

(Horizontal) Peak

(Vertical) Peak



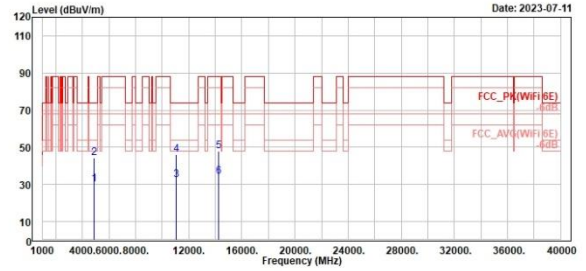
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4874.00	27.98	38.23	-10.33	54.00	-26.18	200	231 Average	Horizontal
2	4874.00	41.37	51.70	-10.33	74.00	-32.63	200	231 Peak	Horizontal
3	11060.00	32.67	36.00	-3.33	54.00	-21.33	100	193 Average	Horizontal
4	11060.00	45.95	49.28	-3.33	74.00	-28.05	100	193 Peak	Horizontal
5	14230.00	47.57	47.06	0.51	88.20	-40.63	200	52 Peak	Horizontal
6	14230.00	34.31	33.80	0.51	68.20	-33.89	200	52 RMS	Horizontal



TUV 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	4874.00	29.96	40.29	-10.33	54.00	-24.04	120	360 Average	Vertical
2	4874.00	44.20	54.53	-10.33	74.00	-29.80	120	360 Peak	Vertical
3	11060.00	32.62	35.95	-3.33	54.00	-21.38	337	360 Average	Vertical
4	11060.00	46.26	49.59	-3.33	74.00	-27.74	337	360 Peak	Vertical
5	14230.00	48.13	47.62	0.51	88.20	-40.07	200	179 Peak	Vertical
6	14230.00	34.11	33.60	0.51	68.20	-34.09	200	179 RMS	Vertical

Mains Conducted Emission, 150kHz ~ 30MHz

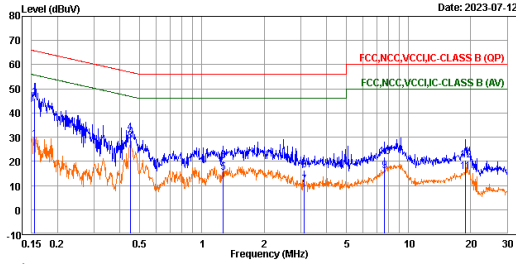
WLAN 2.4GHz + WLAN 5GHz + WLAN 6E

(Line)

(Neutral)



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

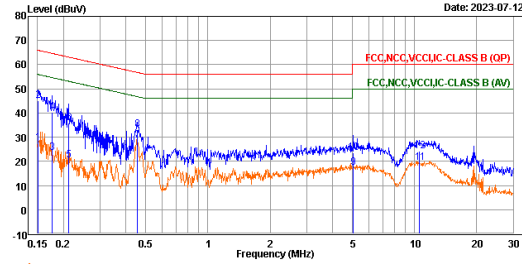


Trace: 1

Line	Freq	Level	Read Level	Factor	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.16	28.94	19.32	9.62	55.71	-26.77	Average	line1	
2	0.16	46.14	36.52	9.62	65.71	-19.57	QP	line1	
3	0.45	29.21	18.68	9.63	46.89	-18.58	Average	line1	
4	0.45	31.70	22.07	9.63	56.89	-25.19	QP	line1	
5	1.27	15.43	5.79	9.64	46.00	-30.57	Average	line1	
6	1.27	20.21	10.57	9.64	56.00	-35.79	QP	line1	
7	3.12	10.34	0.66	9.68	46.00	-35.66	Average	line1	
8	3.12	16.46	6.78	9.68	56.00	-39.54	QP	line1	
9	7.66	15.97	6.23	9.74	50.00	-34.03	Average	line1	
10	7.66	21.67	11.93	9.74	60.00	-38.33	QP	line1	
11	18.78	15.54	5.77	9.77	50.00	-34.46	Average	line1	
12	18.78	20.47	10.70	9.77	60.00	-39.53	QP	line1	



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



Trace: 1

Line	Freq	Level	Read Level	Factor	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.15	27.68	18.06	9.62	55.96	-28.28	Average	neutral	
2	0.15	45.21	35.59	9.62	65.96	-20.75	QP	neutral	
3	0.18	23.67	14.05	9.62	54.68	-31.01	Average	neutral	
4	0.18	40.27	30.65	9.62	64.68	-24.41	QP	neutral	
5	0.21	20.46	10.84	9.62	53.14	-32.68	Average	neutral	
6	0.21	35.92	26.30	9.62	63.14	-27.22	QP	neutral	
7	0.45	28.69	19.06	9.63	46.81	-18.12	Average	neutral	
8	0.45	33.22	23.59	9.63	56.81	-23.59	QP	neutral	
9	5.06	17.48	7.76	9.72	50.00	-32.52	Average	neutral	
10	5.06	23.48	13.76	9.72	60.00	-36.52	QP	neutral	
11	10.59	19.43	9.64	9.79	50.00	-30.57	Average	neutral	
12	10.59	24.39	14.60	9.79	60.00	-35.61	QP	neutral	