

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz  
U-NII-2A

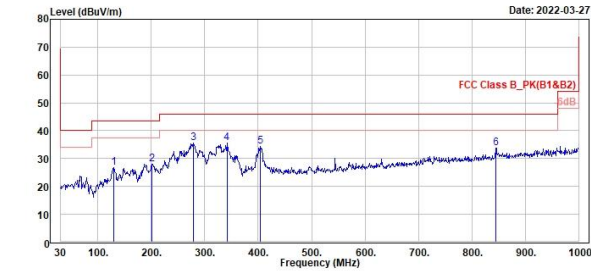
802.11ac VHT40

CH 54 (Horizontal)

CH 54 (Vertical)



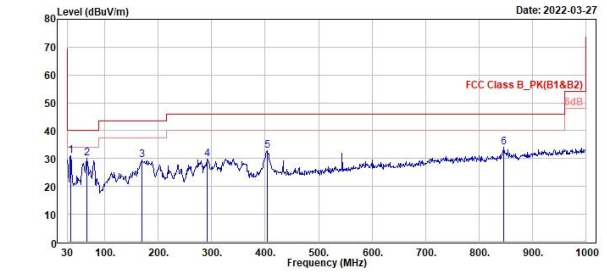
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	129.91	26.87	34.19	-7.32	43.50	-16.63	200	240	QP	Horizontal	
2	280.72	28.05	36.45	-8.40	43.50	-15.45	200	93	QP	Horizontal	
3	278.32	35.45	40.82	-5.37	46.00	-10.55	100	113	QP	Horizontal	
4	341.37	35.48	39.42	-3.94	46.00	-10.52	100	62	QP	Horizontal	
5	483.45	34.46	37.36	-2.90	46.00	-11.54	100	360	QP	Horizontal	
6	844.80	33.87	30.14	3.73	46.00	-12.13	200	328	QP	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



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	35.82	31.00	37.85	-6.76	40.00	-8.91	400	38	QP	Vertical	
2	65.89	30.23	38.42	-8.19	40.00	-9.77	100	157	QP	Vertical	
3	168.71	29.64	35.70	-6.06	43.50	-13.86	100	71	QP	Vertical	
4	290.93	29.90	34.93	-5.03	46.00	-16.10	200	301	QP	Vertical	
5	404.42	32.95	35.84	-2.89	46.00	-13.05	100	285	QP	Vertical	
6	846.74	34.21	30.47	3.74	46.00	-11.79	100	19	QP	Vertical	

U-NII-2C

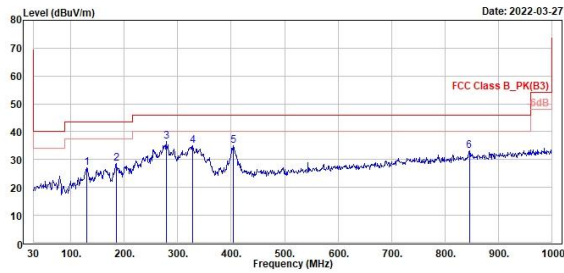
802.11ac VHT40

CH 110 (Horizontal)

CH 110 (Vertical)



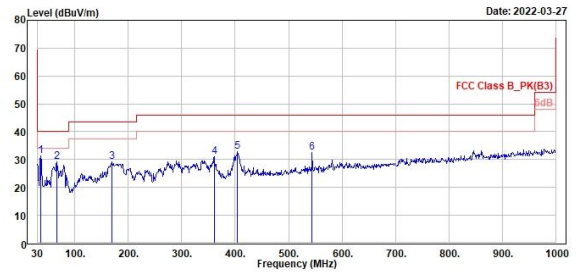
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	128.94	27.07	34.60	-7.53	43.50	-16.43	200	230 QP	Horizontal
2	185.20	28.46	36.51	-8.05	43.50	-15.04	200	105 QP	Horizontal
3	278.32	36.51	41.88	-5.37	46.00	-9.49	100	123 QP	Horizontal
4	327.79	34.99	39.05	-4.06	46.00	-11.01	100	53 QP	Horizontal
5	404.42	34.91	37.80	-2.89	46.00	-11.09	101	360 QP	Horizontal
6	845.77	33.16	29.43	3.73	46.00	-12.84	200	102 QP	Horizontal

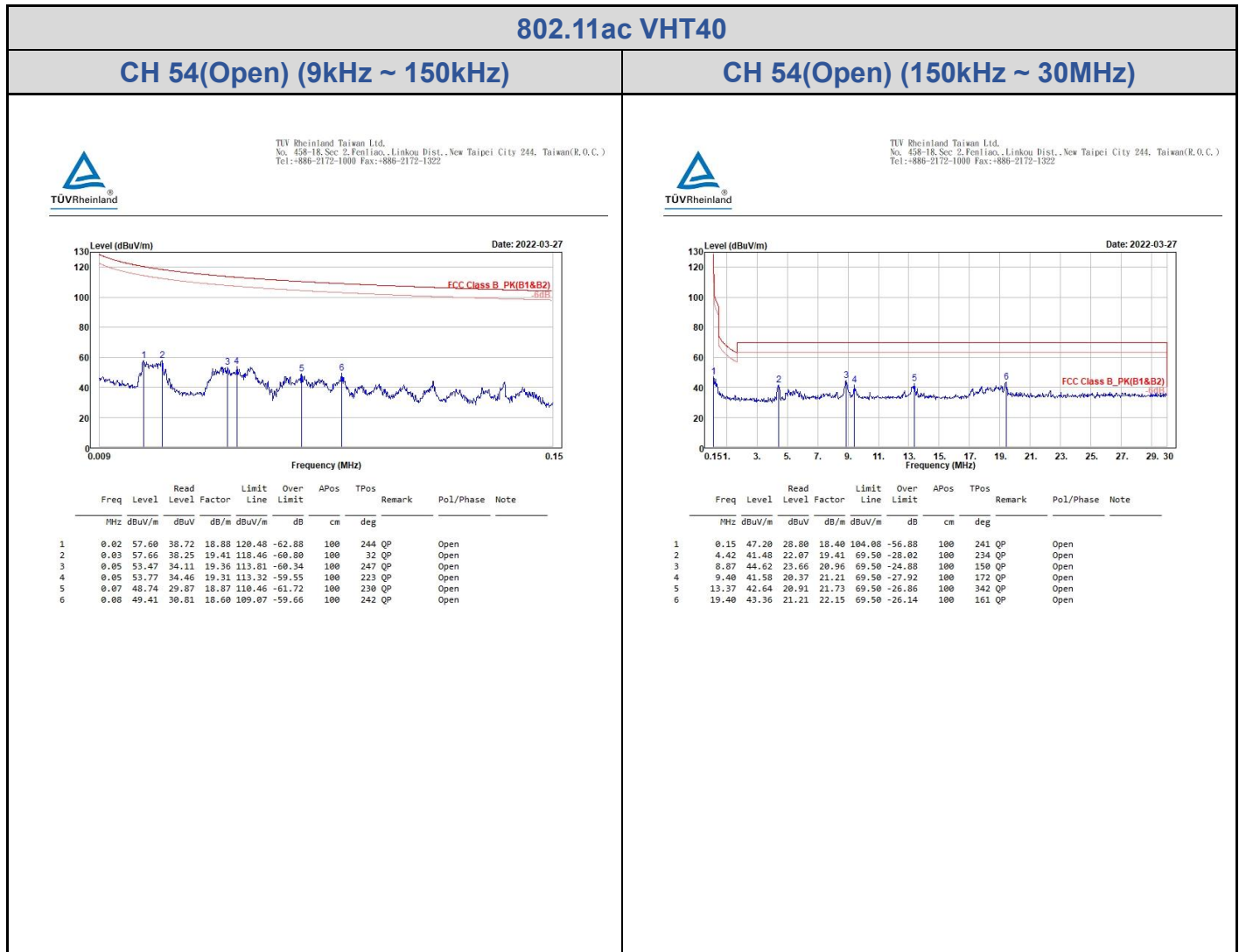


TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	35.82	31.31	38.07	-6.76	40.00	-8.69	100	176 QP	Vertical
2	65.89	29.17	37.36	-8.19	40.00	-10.83	100	166 QP	Vertical
3	168.71	29.07	35.13	-6.06	43.50	-14.43	100	56 QP	Vertical
4	360.77	31.09	34.80	-3.71	46.00	-14.91	100	184 QP	Vertical
5	404.42	32.90	35.79	-2.89	46.00	-13.10	100	296 QP	Vertical
6	544.10	32.66	33.57	-0.91	46.00	-13.34	100	35 QP	Vertical

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz  
U-NII-2A



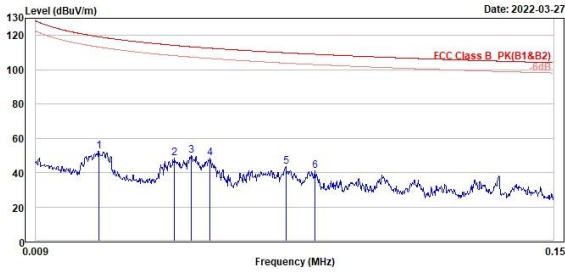
802.11ac VHT40

CH 54(Close) (9kHz ~ 150kHz)

CH 54(Close) (150kHz ~ 30MHz)



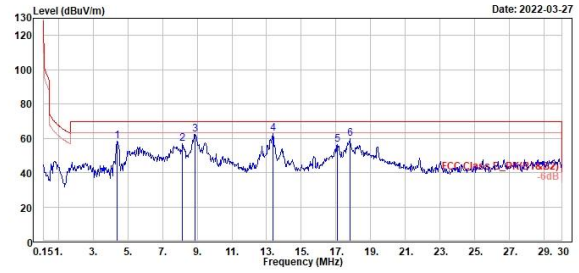
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.03	52.41	35.24	19.17	119.22	-66.81	100	173 QP	Close
2	0.05	48.21	29.87	19.34	114.19	-65.98	100	172 QP	Close
3	0.05	49.84	30.56	19.28	113.37	-63.53	100	195 QP	Close
4	0.06	48.21	29.04	19.17	112.55	-64.34	100	204 QP	Close
5	0.08	43.44	24.73	18.71	109.85	-66.41	100	195 QP	Close
6	0.09	41.14	22.60	18.54	108.99	-67.85	100	176 QP	Close



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	4.39	58.21	38.80	19.41	69.50	-11.29	100	239 QP	Close
2	8.15	56.64	35.98	20.66	69.50	-12.86	100	306 QP	Close
3	8.90	62.50	41.53	20.97	69.50	-7.00	100	287 QP	Close
4	13.37	62.77	41.04	21.73	69.50	-6.73	100	16 QP	Close
5	17.07	56.49	34.50	21.99	69.50	-13.01	100	149 QP	Close
6	17.79	59.58	37.53	22.05	69.50	-9.92	100	279 QP	Close

U-NII-2C

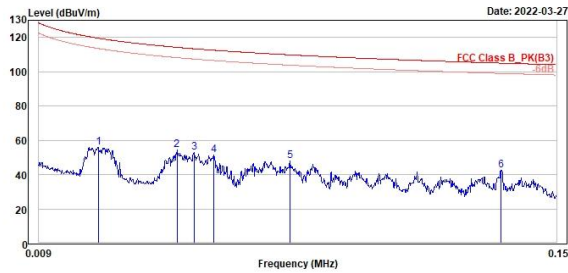
802.11ac VHT40

CH 110(Open) (9kHz ~ 150kHz)

CH 110(Open) (150kHz ~ 30MHz)



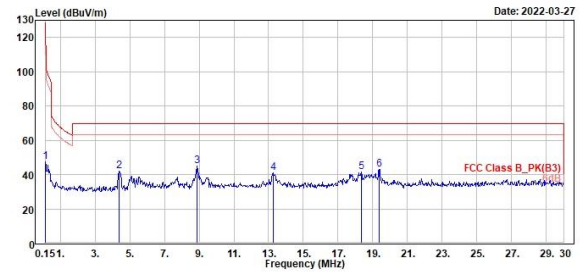
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.03	55.75	36.67	19.08	119.56	-63.81	100	241 QP	Open
2	0.05	54.37	35.03	19.34	114.22	-59.85	100	242 QP	Open
3	0.05	52.75	33.47	19.28	113.37	-60.62	100	269 QP	Open
4	0.06	51.35	32.19	19.16	112.53	-61.18	100	239 QP	Open
5	0.08	48.04	29.34	18.70	109.81	-61.77	100	269 QP	Open
6	0.13	42.46	24.12	18.34	105.00	-62.54	100	284 QP	Open



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	0.15	47.40	29.00	18.40	104.00	-56.68	100	225 QP	Open
2	4.39	41.90	22.49	19.41	69.50	-27.60	100	71 QP	Open
3	8.90	44.83	23.86	20.97	69.50	-24.67	100	306 QP	Open
4	13.25	40.80	19.07	21.73	69.50	-28.70	100	360 QP	Open
5	18.33	41.72	19.64	22.08	69.50	-27.78	100	44 QP	Open
6	19.37	43.18	21.03	22.15	69.50	-26.32	100	162 QP	Open

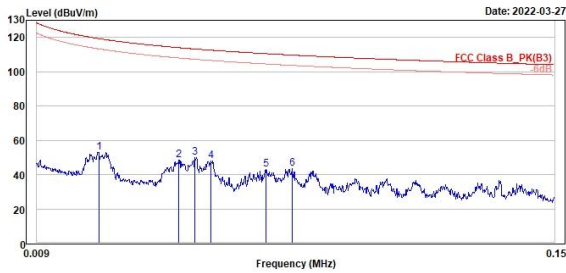
802.11ac VHT40

CH 110(Close) (9kHz ~ 150kHz)

CH 110(Close) (150kHz ~ 30MHz)



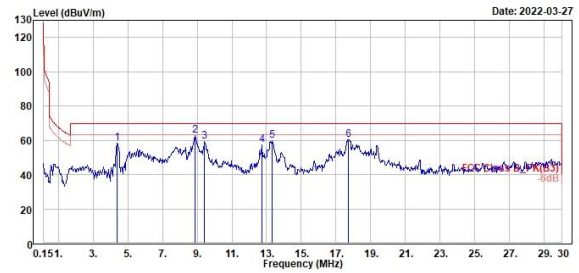
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Feniiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.03	53.10	35.96	19.14	119.32	-66.22	100	203 QP	Close
2	0.05	48.64	29.31	19.33	114.01	-65.37	100	174 QP	Close
3	0.05	49.91	30.65	19.26	113.25	-63.34	100	184 QP	Close
4	0.06	47.76	28.59	19.17	112.55	-64.79	100	164 QP	Close
5	0.07	42.79	23.95	18.84	110.51	-67.72	100	167 QP	Close
6	0.08	43.37	24.69	18.68	109.70	-66.33	100	201 QP	Close



TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Feniiao, 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	4.39	58.21	38.80	19.41	69.50	-11.29	100	340 QP	Close
2	8.00	62.68	41.71	20.97	69.50	-6.82	100	27 QP	Close
3	9.43	59.31	38.09	21.22	69.50	-10.19	100	107 QP	Close
4	12.72	57.27	35.58	21.69	69.50	-12.23	100	70 QP	Close
5	13.31	59.67	37.94	21.73	69.50	-9.83	100	57 QP	Close
6	17.70	60.30	38.26	22.04	69.50	-9.20	100	51 QP	Close

Mains Conducted Emission, (150kHz ~ 30MHz)

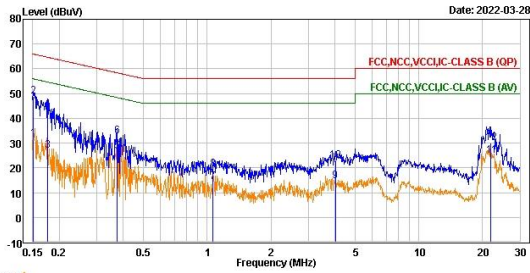
Worst Band

(Line)

(Neutral)



TUV 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

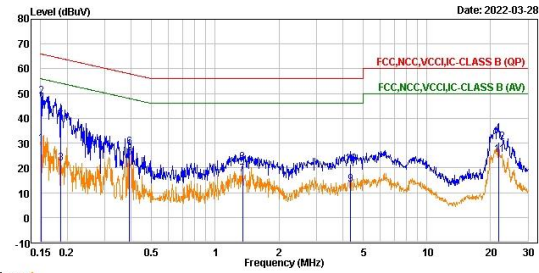


Trace: 1

Line	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor (dB)	Limit Line (dBuV)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.15	31.60	21.91	9.69	55.96	-24.36	Average	line1	
2	0.15	48.80	39.11	9.69	65.96	-17.16	QP	line1	
3	0.18	27.11	17.43	9.68	54.63	-27.52	Average	line1	
4	0.18	43.42	33.74	9.68	64.63	-21.21	QP	line1	
5	0.38	26.61	16.93	9.68	48.38	-21.77	Average	line1	
6	0.38	32.68	23.00	9.68	58.38	-25.70	QP	line1	
7	1.06	14.20	4.51	9.69	46.00	-31.80	Average	line1	
8	1.06	19.46	9.77	9.69	56.00	-36.54	QP	line1	
9	4.02	14.71	4.97	9.74	46.00	-31.29	Average	line1	
10	4.02	22.88	13.14	9.74	56.00	-33.12	QP	line1	
11	21.92	24.98	15.19	9.79	50.00	-25.02	Average	line1	
12	21.92	30.11	20.32	9.79	60.00	-29.89	QP	line1	



TUV 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	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor (dB)	Limit Line (dBuV)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.15	29.62	19.95	9.67	55.96	-26.34	Average	neutral	
2	0.15	48.80	39.13	9.67	65.96	-17.16	QP	neutral	
3	0.19	21.68	12.02	9.66	54.18	-32.50	Average	neutral	
4	0.19	41.04	31.38	9.66	64.18	-23.14	QP	neutral	
5	0.39	24.14	14.48	9.66	48.01	-23.87	Average	neutral	
6	0.39	28.29	18.63	9.66	58.01	-29.72	QP	neutral	
7	1.34	17.52	7.85	9.67	46.00	-28.48	Average	neutral	
8	1.34	22.13	12.46	9.67	56.00	-33.87	QP	neutral	
9	4.36	13.42	3.69	9.73	46.00	-32.58	Average	neutral	
10	4.36	21.44	11.71	9.73	56.00	-34.56	QP	neutral	
11	21.92	25.34	15.47	9.87	50.00	-24.66	Average	neutral	
12	21.92	30.52	20.65	9.87	60.00	-29.48	QP	neutral	

<POE>

Band Edges, 4.5~7GHz

U-NII-2A

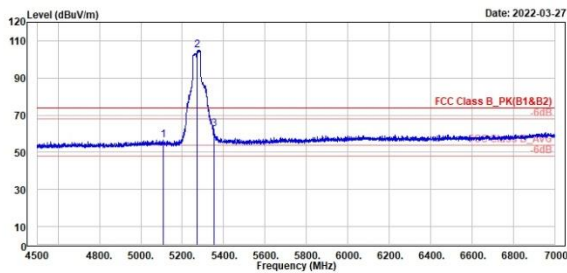
802.11ac VHT40

CH 54 (Horizontal) Peak

CH 54 (Vertical) Peak



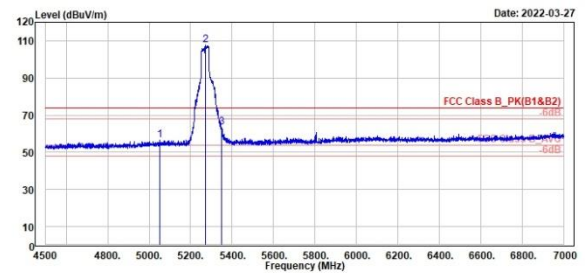
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	5186.58	56.48	13.88	42.60	74.00	-17.68	100	383	Peak	Horizontal	
2	5278.00	105.11	62.15	42.96	74.00	31.11	100	383	Peak	Horizontal	
3	5353.50	62.51	19.53	42.98	74.00	-11.49	100	383	Peak	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



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	5852.50	56.48	13.88	42.60	74.00	-17.52	152	44	Peak	Vertical	
2	5278.00	107.81	64.85	42.96	74.00	33.81	152	44	Peak	Vertical	
3	5358.00	63.30	20.33	42.97	74.00	-10.70	152	44	Peak	Vertical	



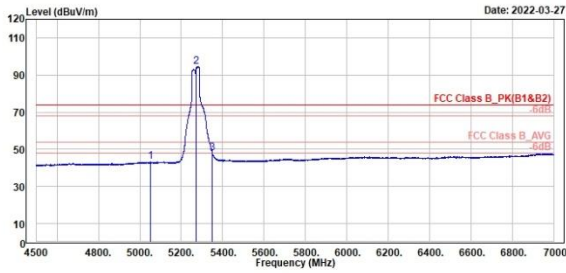
802.11ac VHT40

CH 54 (Horizontal) Average

CH 54 (Vertical) Average



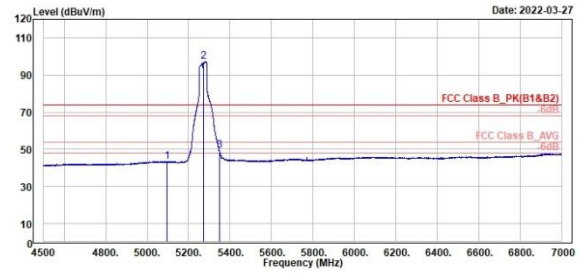
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	5952.00	43.21	8.60	42.61	54.00	-10.79	100	303	Average	Horizontal	
2	5379.00	94.44	51.48	42.96	54.00	40.44	100	303	Average	Horizontal	
3	5350.00	47.77	4.80	42.97	54.00	-6.23	100	303	Average	Horizontal	

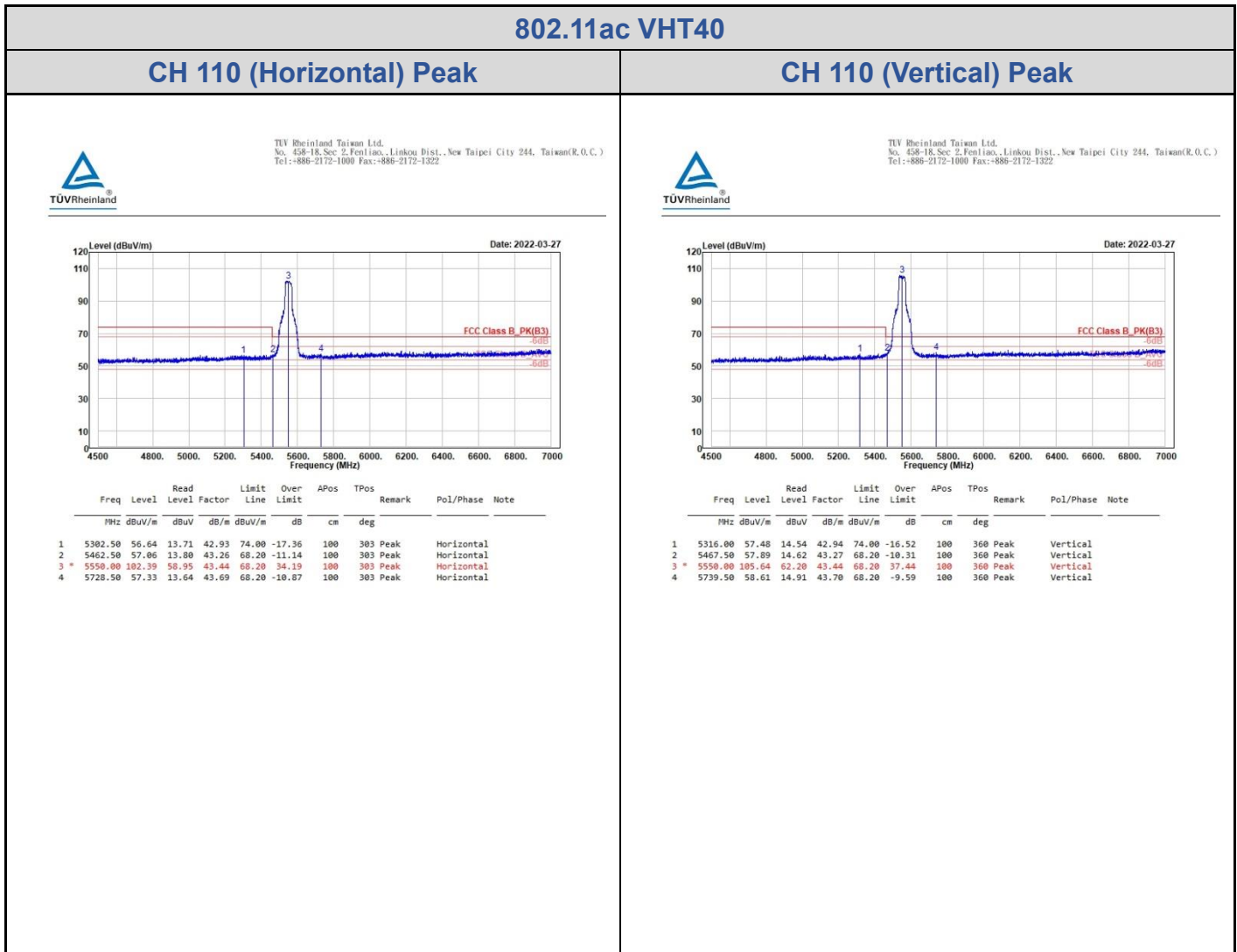


TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	5996.00	43.48	8.92	42.56	54.00	-10.52	152	44	Average	Vertical	
2	5379.00	97.13	54.17	42.96	54.00	43.13	152	44	Average	Vertical	
3	5350.00	49.28	6.31	42.97	54.00	-4.72	152	44	Average	Vertical	

Band Edges, 4.5~7GHz  
U-NII-2C



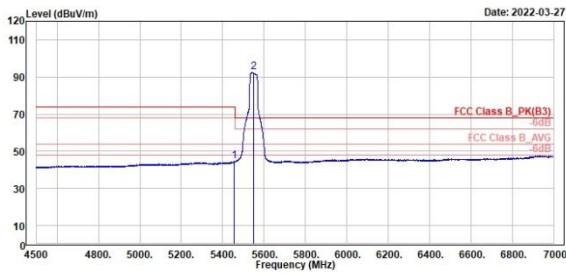
802.11ac VHT40

CH 110 (Horizontal) Average

CH 110 (Vertical) Average



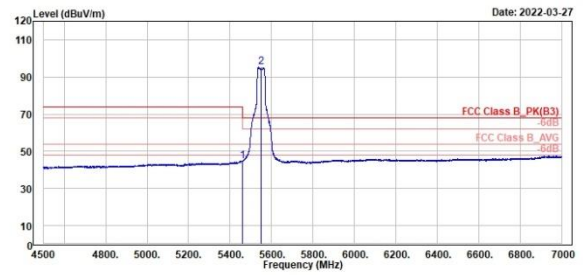
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5456.00	44.67	1.41	43.26	54.00	-9.33	100	303 Average	Horizontal	
2 *	5558.00	92.49	49.05	43.44	54.00	38.49	100	303 Average	Horizontal	


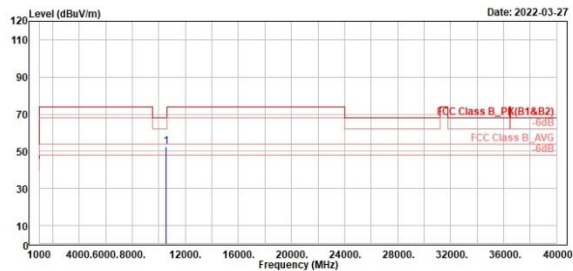

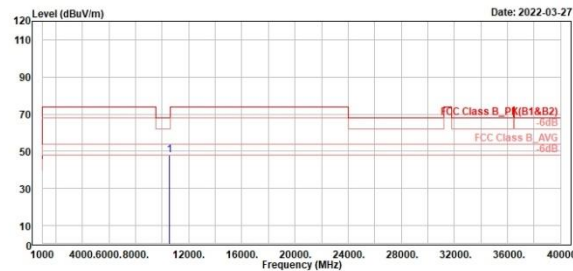


TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5468.00	44.93	1.67	43.26	54.00	-9.07	100	368 Average	Vertical	
2 *	5558.00	95.34	51.90	43.44	54.00	41.34	100	368 Average	Vertical	

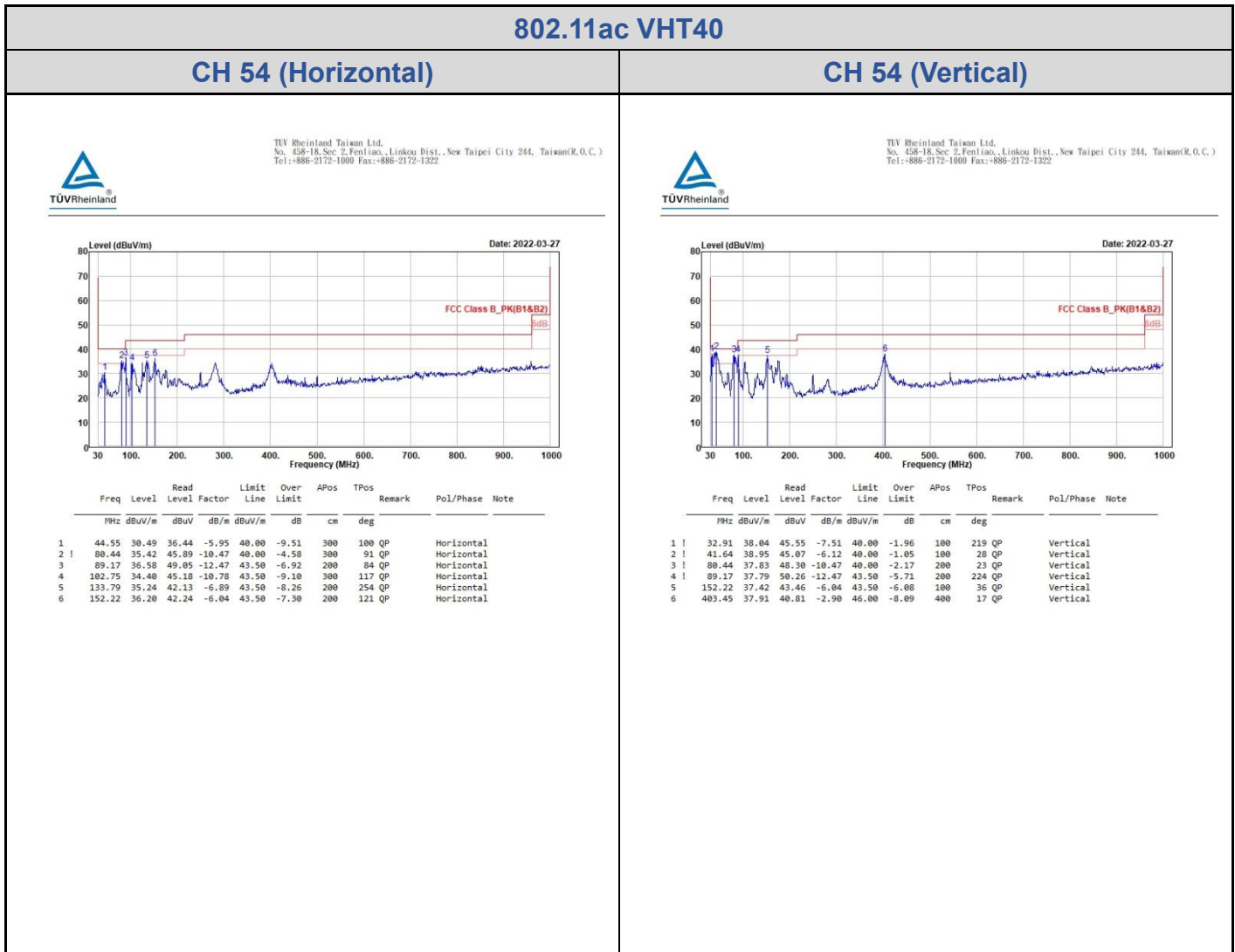
Spurious Emissions, Tx Mode, 1GHz ~ 40GHz  
U-NII-2A

802.11ac VHT40																																																													
CH 54 (Horizontal)	CH 54 (Vertical)																																																												
<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="font-size: 8px;">                     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> </div> <hr/> <div style="text-align: right; font-size: 10px;">Date: 2022-03-27</div>  <table border="1" style="width:100%; border-collapse: collapse; font-size: 10px;"> <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 10540.00</td> <td>52.35</td> <td>55.42</td> <td>-3.07</td> <td>68.20</td> <td>-15.85</td> <td>100</td> <td>294 Peak</td> <td>Horizontal</td> <td></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 10540.00	52.35	55.42	-3.07	68.20	-15.85	100	294 Peak	Horizontal		<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="font-size: 8px;">                     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> </div> <hr/> <div style="text-align: right; font-size: 10px;">Date: 2022-03-27</div>  <table border="1" style="width:100%; border-collapse: collapse; font-size: 10px;"> <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 10540.00</td> <td>47.76</td> <td>50.83</td> <td>-3.07</td> <td>68.20</td> <td>-20.44</td> <td>298</td> <td>233 Peak</td> <td>Vertical</td> <td></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 10540.00	47.76	50.83	-3.07	68.20	-20.44	298	233 Peak	Vertical	
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note																																																				
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg																																																						
1 10540.00	52.35	55.42	-3.07	68.20	-15.85	100	294 Peak	Horizontal																																																					
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note																																																				
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg																																																						
1 10540.00	47.76	50.83	-3.07	68.20	-20.44	298	233 Peak	Vertical																																																					

U-NII-2C

802.11ac VHT40																																																													
CH 110 (Horizontal)	CH 110 (Vertical)																																																												
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 8px;">                     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> </div> <div style="text-align: right; margin-top: 10px;">Date: 2022-03-27</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: 8px; margin-top: 10px;"> <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 11180.00</td> <td>48.53</td> <td>58.67</td> <td>-2.14</td> <td>74.00</td> <td>-25.47</td> <td>163</td> <td>360 Peak</td> <td>Horizontal</td> <td></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 11180.00	48.53	58.67	-2.14	74.00	-25.47	163	360 Peak	Horizontal		<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 8px;">                     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> </div> <div style="text-align: right; margin-top: 10px;">Date: 2022-03-27</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: 8px; margin-top: 10px;"> <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 11180.00</td> <td>49.91</td> <td>52.85</td> <td>-2.14</td> <td>74.00</td> <td>-24.09</td> <td>300</td> <td>33 Peak</td> <td>Vertical</td> <td></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 11180.00	49.91	52.85	-2.14	74.00	-24.09	300	33 Peak	Vertical	
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note																																																				
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg																																																						
1 11180.00	48.53	58.67	-2.14	74.00	-25.47	163	360 Peak	Horizontal																																																					
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note																																																				
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg																																																						
1 11180.00	49.91	52.85	-2.14	74.00	-24.09	300	33 Peak	Vertical																																																					

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz  
U-NII-2A



U-NII-2C

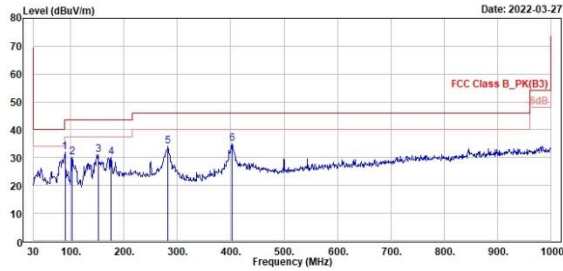
802.11ac VHT40

CH 110 (Horizontal)

CH 110 (Vertical)



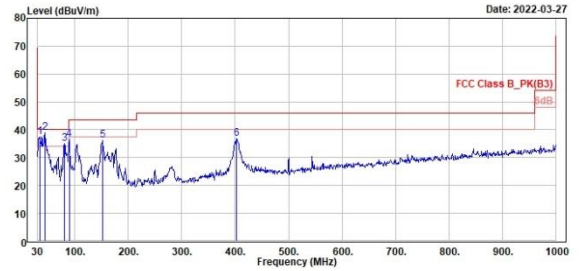
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	89.17	31.89	44.36	-12.47	43.50	-11.61	200	268 QP	Horizontal
2	182.75	30.10	40.88	-10.78	43.50	-13.40	300	85 QP	Horizontal
3	151.25	31.16	37.27	-6.11	43.50	-12.34	200	277 QP	Horizontal
4	175.50	30.16	36.94	-6.78	43.50	-13.34	100	50 QP	Horizontal
5	282.20	33.95	39.22	-5.27	46.00	-12.05	100	74 QP	Horizontal
6	402.48	34.84	37.77	-2.93	46.00	-11.16	200	267 QP	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	33.88	37.50	44.76	-7.26	40.00	-2.50	100	132 QP	Vertical
2	44.55	38.00	44.75	-5.95	40.00	-1.20	100	163 QP	Vertical
3	80.44	35.04	45.51	-10.47	40.00	-4.96	200	65 QP	Vertical
4	89.17	36.44	48.91	-12.47	43.50	-7.06	100	130 QP	Vertical
5	152.22	36.21	42.25	-6.04	43.50	-7.29	100	19 QP	Vertical
6	402.48	36.93	39.86	-2.93	46.00	-9.07	100	316 QP	Vertical

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz  
U-NII-2A

802.11ac VHT40																																																																																																																																																																													
CH 54(Open) (9kHz ~ 150kHz)	CH 54(Open) (150kHz ~ 30MHz)																																																																																																																																																																												
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 8px;">                     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> </div> <div style="text-align: right; font-size: 10px; margin-top: 10px;">Date: 2022-03-27</div> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px; margin-top: 10px;"> <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>PoI/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>0.02</td><td>56.60</td><td>37.75</td><td>18.85</td><td>120.48</td><td>-63.88</td><td>100</td><td>246</td><td>QP</td><td>Open</td></tr> <tr><td>2</td><td>0.03</td><td>57.28</td><td>37.88</td><td>19.40</td><td>118.42</td><td>-61.14</td><td>100</td><td>248</td><td>QP</td><td>Open</td></tr> <tr><td>3</td><td>0.05</td><td>53.46</td><td>34.11</td><td>19.35</td><td>114.35</td><td>-60.89</td><td>100</td><td>223</td><td>QP</td><td>Open</td></tr> <tr><td>4</td><td>0.06</td><td>54.02</td><td>34.83</td><td>19.19</td><td>112.70</td><td>-58.68</td><td>100</td><td>240</td><td>QP</td><td>Open</td></tr> <tr><td>5</td><td>0.07</td><td>47.83</td><td>28.90</td><td>18.93</td><td>111.02</td><td>-63.19</td><td>100</td><td>222</td><td>QP</td><td>Open</td></tr> <tr><td>6</td><td>0.08</td><td>47.21</td><td>28.65</td><td>18.56</td><td>109.12</td><td>-61.91</td><td>100</td><td>253</td><td>QP</td><td>Open</td></tr> </tbody> </table>	Freq	Level	Read	Limit	Over	APos	TPos	Remark	PoI/Phase	Note	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			1	0.02	56.60	37.75	18.85	120.48	-63.88	100	246	QP	Open	2	0.03	57.28	37.88	19.40	118.42	-61.14	100	248	QP	Open	3	0.05	53.46	34.11	19.35	114.35	-60.89	100	223	QP	Open	4	0.06	54.02	34.83	19.19	112.70	-58.68	100	240	QP	Open	5	0.07	47.83	28.90	18.93	111.02	-63.19	100	222	QP	Open	6	0.08	47.21	28.65	18.56	109.12	-61.91	100	253	QP	Open	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 8px;">                     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> </div> <div style="text-align: right; font-size: 10px; margin-top: 10px;">Date: 2022-03-27</div> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px; margin-top: 10px;"> <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>PoI/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>0.15</td><td>47.36</td><td>28.96</td><td>18.40</td><td>104.00</td><td>-56.72</td><td>100</td><td>126</td><td>QP</td><td>Open</td></tr> <tr><td>2</td><td>4.39</td><td>42.08</td><td>22.67</td><td>19.41</td><td>69.50</td><td>-27.42</td><td>100</td><td>308</td><td>QP</td><td>Open</td></tr> <tr><td>3</td><td>8.87</td><td>44.41</td><td>23.45</td><td>20.96</td><td>69.50</td><td>-25.09</td><td>100</td><td>64</td><td>QP</td><td>Open</td></tr> <tr><td>4</td><td>13.25</td><td>41.02</td><td>19.29</td><td>21.73</td><td>69.50</td><td>-28.48</td><td>100</td><td>332</td><td>QP</td><td>Open</td></tr> <tr><td>5</td><td>18.42</td><td>41.93</td><td>19.84</td><td>22.09</td><td>69.50</td><td>-27.57</td><td>100</td><td>153</td><td>QP</td><td>Open</td></tr> <tr><td>6</td><td>19.34</td><td>42.08</td><td>19.93</td><td>22.15</td><td>69.50</td><td>-27.42</td><td>100</td><td>182</td><td>QP</td><td>Open</td></tr> </tbody> </table>	Freq	Level	Read	Limit	Over	APos	TPos	Remark	PoI/Phase	Note	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			1	0.15	47.36	28.96	18.40	104.00	-56.72	100	126	QP	Open	2	4.39	42.08	22.67	19.41	69.50	-27.42	100	308	QP	Open	3	8.87	44.41	23.45	20.96	69.50	-25.09	100	64	QP	Open	4	13.25	41.02	19.29	21.73	69.50	-28.48	100	332	QP	Open	5	18.42	41.93	19.84	22.09	69.50	-27.57	100	153	QP	Open	6	19.34	42.08	19.93	22.15	69.50	-27.42	100	182	QP	Open
Freq	Level	Read	Limit	Over	APos	TPos	Remark	PoI/Phase	Note																																																																																																																																																																				
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg																																																																																																																																																																						
1	0.02	56.60	37.75	18.85	120.48	-63.88	100	246	QP	Open																																																																																																																																																																			
2	0.03	57.28	37.88	19.40	118.42	-61.14	100	248	QP	Open																																																																																																																																																																			
3	0.05	53.46	34.11	19.35	114.35	-60.89	100	223	QP	Open																																																																																																																																																																			
4	0.06	54.02	34.83	19.19	112.70	-58.68	100	240	QP	Open																																																																																																																																																																			
5	0.07	47.83	28.90	18.93	111.02	-63.19	100	222	QP	Open																																																																																																																																																																			
6	0.08	47.21	28.65	18.56	109.12	-61.91	100	253	QP	Open																																																																																																																																																																			
Freq	Level	Read	Limit	Over	APos	TPos	Remark	PoI/Phase	Note																																																																																																																																																																				
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg																																																																																																																																																																						
1	0.15	47.36	28.96	18.40	104.00	-56.72	100	126	QP	Open																																																																																																																																																																			
2	4.39	42.08	22.67	19.41	69.50	-27.42	100	308	QP	Open																																																																																																																																																																			
3	8.87	44.41	23.45	20.96	69.50	-25.09	100	64	QP	Open																																																																																																																																																																			
4	13.25	41.02	19.29	21.73	69.50	-28.48	100	332	QP	Open																																																																																																																																																																			
5	18.42	41.93	19.84	22.09	69.50	-27.57	100	153	QP	Open																																																																																																																																																																			
6	19.34	42.08	19.93	22.15	69.50	-27.42	100	182	QP	Open																																																																																																																																																																			



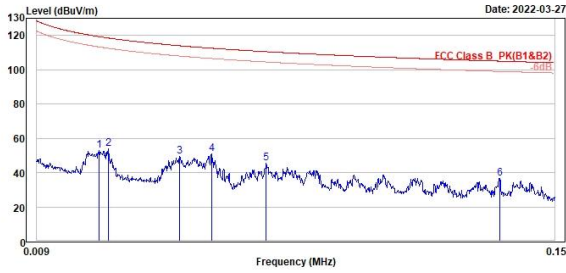
802.11ac VHT40

CH 54(Close) (9kHz ~ 150kHz)

CH 54(Close) (150kHz ~ 30MHz)



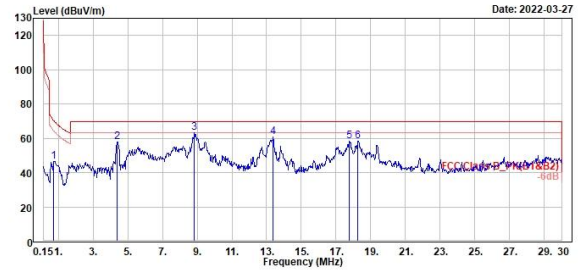
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.03	53.00	33.81	19.19	119.27	-66.27	100	180	QP	Close
2	0.03	53.97	34.56	19.41	119.46	-64.49	100	189	QP	Close
3	0.05	49.41	30.04	19.37	113.98	-64.57	100	187	QP	Close
4	0.06	50.73	31.53	19.20	112.53	-61.80	100	189	QP	Close
5	0.07	45.26	26.38	18.88	110.51	-65.25	100	187	QP	Close
6	0.14	36.49	18.11	18.38	104.99	-68.50	100	229	QP	Close



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	0.75	46.71	27.61	19.10	70.05	-23.34	100	256	QP	Close
2	4.39	50.01	30.60	19.41	69.50	-11.49	100	189	QP	Close
3	8.84	63.43	42.49	20.94	69.50	-6.07	100	139	QP	Close
4	13.37	60.55	38.82	21.73	69.50	-8.95	100	27	QP	Close
5	17.76	58.27	36.22	22.05	69.50	-11.23	100	291	QP	Close
6	18.27	58.56	36.48	22.08	69.50	-10.94	100	291	QP	Close

U-NII-2C

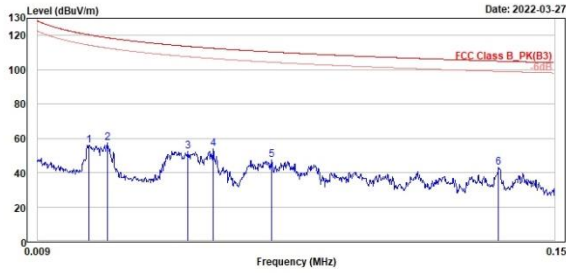
802.11ac VHT40

CH 110(Open) (9kHz ~ 150kHz)

CH 110(Open) (150kHz ~ 30MHz)



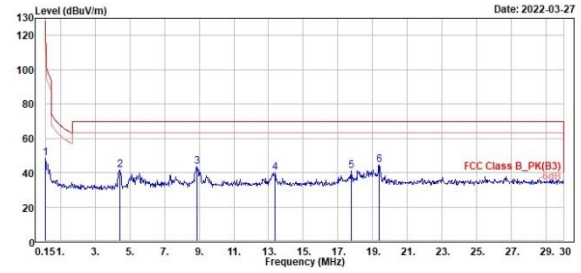
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.02	56.08	37.19	18.89	120.32	-64.24	100	234 QP	Open
2	0.03	57.51	38.18	19.33	118.64	-61.13	100	202 QP	Open
3	0.05	52.26	32.95	19.31	113.61	-61.35	100	258 QP	Open
4	0.06	53.73	34.57	19.16	112.49	-58.76	100	36 QP	Open
5	0.07	47.50	28.69	18.81	110.34	-62.84	100	241 QP	Open
6	0.13	43.09	24.75	18.34	105.01	-61.92	100	275 QP	Open



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	0.15	48.26	29.86	18.40	104.08	-55.82	100	253 QP	Open
2	4.42	41.72	22.31	19.41	69.50	-27.78	100	360 QP	Open
3	8.90	43.54	22.57	20.97	69.50	-25.96	100	38 QP	Open
4	13.37	39.94	18.21	21.73	69.50	-29.56	100	260 QP	Open
5	17.76	40.91	18.86	22.05	69.50	-28.59	100	262 QP	Open
6	19.37	44.61	22.46	22.15	69.50	-24.89	100	299 QP	Open

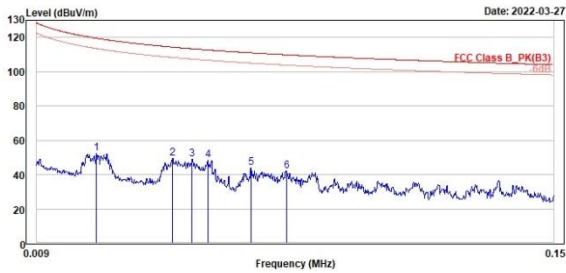
802.11ac VHT40

CH 110(Close) (9kHz ~ 150kHz)

CH 110(Close) (150kHz ~ 30MHz)



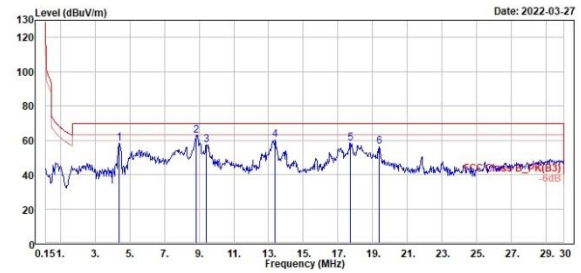
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.03	52.36	33.27	19.09	119.51	-67.15	100	176	QP	Close
2	0.05	49.64	30.29	19.35	114.32	-64.68	100	73	QP	Close
3	0.05	49.09	29.81	19.28	113.37	-64.28	100	176	QP	Close
4	0.06	48.41	29.22	19.19	112.68	-64.27	100	230	QP	Close
5	0.07	44.05	25.13	18.92	111.01	-66.96	100	203	QP	Close
6	0.08	41.99	23.28	18.71	109.84	-67.85	100	177	QP	Close



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	4.39	58.16	38.75	19.41	69.50	-11.34	100	84	QP	Close
2	8.81	62.85	41.92	20.93	69.50	-6.65	100	16	QP	Close
3	9.43	57.49	36.27	21.22	69.50	-12.01	100	16	QP	Close
4	13.37	60.13	38.40	21.73	69.50	-9.37	100	151	QP	Close
5	17.70	58.47	36.43	22.04	69.50	-11.03	100	335	QP	Close
6	19.37	56.36	34.21	22.15	69.50	-13.14	100	222	QP	Close

Mains Conducted Emission, (150kHz ~ 30MHz)

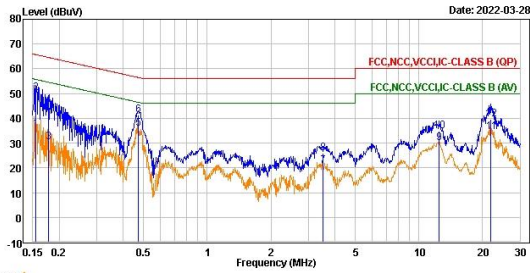
Worst Band

(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

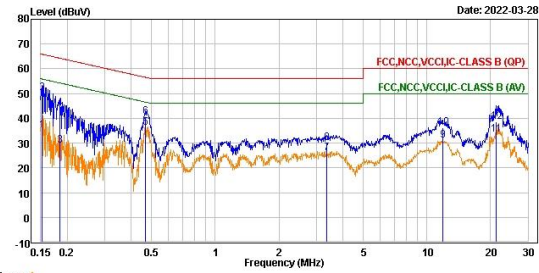


Trace: 1

Line	Freq (MHz)	Level (dBUV)	Read Level (dBUV)	Factor (dB)	Limit Line (dBUV)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.15	35.62	25.93	9.69	55.75	-20.13	Average	line1	
2	0.15	50.38	40.69	9.69	65.75	-15.37	QP	line1	
3	0.18	30.44	20.76	9.68	54.55	-24.11	Average	line1	
4	0.18	45.55	35.87	9.68	64.55	-19.00	QP	line1	
5	0.47	35.71	26.03	9.68	46.44	-10.73	Average	line1	
6	0.47	41.42	31.74	9.68	56.44	-15.02	QP	line1	
7	3.52	28.68	18.94	9.74	46.00	-25.32	Average	line1	
8	3.52	25.92	16.18	9.74	56.00	-30.08	QP	line1	
9	12.48	30.06	20.25	9.81	50.00	-19.94	Average	line1	
10	12.48	34.96	25.15	9.81	60.00	-25.04	QP	line1	
11	21.92	34.33	24.54	9.79	50.00	-15.67	Average	line1	
12	21.92	39.51	29.72	9.79	60.00	-20.49	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	Freq (MHz)	Level (dBUV)	Read Level (dBUV)	Factor (dB)	Limit Line (dBUV)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.15	35.04	25.37	9.67	55.92	-20.88	Average	neutral	
2	0.15	50.14	40.47	9.67	65.92	-15.78	QP	neutral	
3	0.18	29.14	19.48	9.66	54.30	-25.16	Average	neutral	
4	0.18	44.11	34.45	9.66	64.30	-20.19	QP	neutral	
5	0.47	36.08	26.42	9.66	46.52	-10.44	Average	neutral	
6	0.47	40.79	31.13	9.66	56.52	-15.73	QP	neutral	
7	3.52	25.78	16.06	9.72	46.00	-20.22	Average	neutral	
8	3.52	30.19	20.47	9.72	56.00	-25.81	QP	neutral	
9	11.87	31.01	21.20	9.81	50.00	-18.99	Average	neutral	
10	11.87	36.08	26.27	9.81	60.00	-23.92	QP	neutral	
11	21.16	33.49	23.62	9.87	50.00	-16.51	Average	neutral	
12	21.16	38.72	28.85	9.87	60.00	-21.28	QP	neutral	