

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

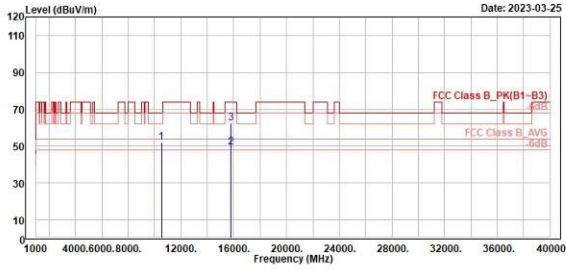
802.11a

CH 52 (Horizontal)

CH 52 (Vertical)



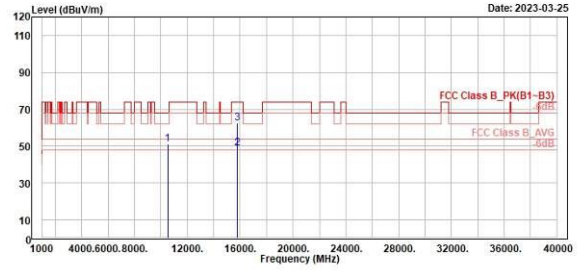
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note		
Freq	Level	Factor	Line	Limit					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	10520.000	52.23	56.52	-4.29	68.20	-15.97	300	46 Peak	Horizontal
2	115780.000	49.13	47.37	1.76	54.00	-4.87	200	34 Average	Horizontal
3	15780.000	62.58	60.82	1.76	74.00	-11.42	200	34 Peak	Horizontal



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



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note		
Freq	Level	Factor	Line	Limit					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	10520.000	51.32	55.61	-4.29	68.20	-16.88	200	334 Peak	Vertical
2	115780.000	48.77	47.01	1.76	54.00	-5.23	203	14 Average	Vertical
3	15780.000	62.31	60.55	1.76	74.00	-11.69	203	14 Peak	Vertical

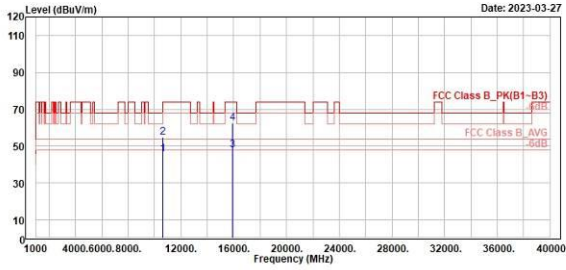
802.11a

CH 60 (Horizontal)

CH 60 (Vertical)



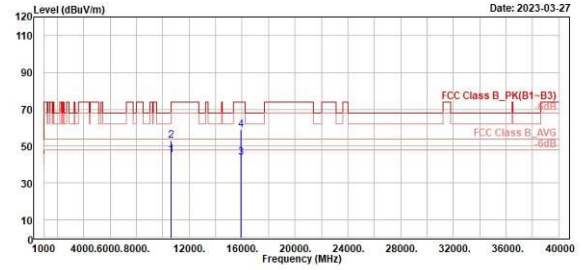
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dB/m	dB	dB	cm	deg			
1 10600.000	45.52	49.76	-4.24	54.00	-8.48	100	292 Average Horizontal
2 10600.000	54.62	58.86	-4.24	74.00	-19.38	100	292 Peak Horizontal
3 15900.000	47.90	46.03	1.87	54.00	-6.10	207	35 Average Horizontal
4 15900.000	62.31	60.44	1.87	74.00	-11.69	207	35 Peak Horizontal



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



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dB/m	dB	dB	cm	deg			
1 10600.000	45.25	49.49	-4.24	54.00	-8.75	100	12 Average Vertical
2 10600.000	53.10	57.34	-4.24	74.00	-20.90	100	12 Peak Vertical
3 15900.000	43.60	41.73	1.87	54.00	-10.40	189	360 Average Vertical
4 15900.000	58.66	56.79	1.87	74.00	-15.34	189	360 Peak Vertical

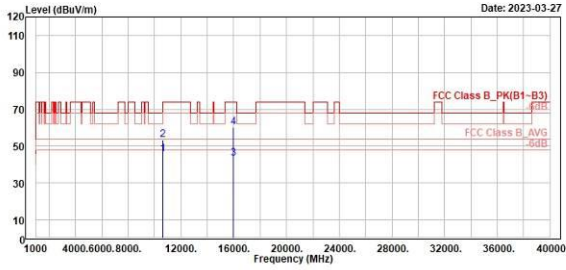
802.11a

CH 64 (Horizontal)

CH 64 (Vertical)



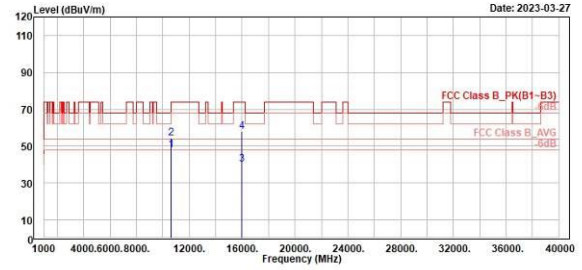
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dBuV	dB/m	dBuV/m	cm	deg			
1 10640.000	45.74	49.88	-4.14	54.00	-8.26	200	296 Average Horizontal
2 10640.000	53.36	57.50	-4.14	74.00	-20.64	200	296 Peak Horizontal
3 15960.000	43.53	41.39	2.14	54.00	-10.47	202	34 Average Horizontal
4 15960.000	60.26	58.12	2.14	74.00	-13.74	202	34 Peak Horizontal



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



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dBuV	dB/m	dBuV/m	cm	deg			
1 10640.000	47.78	51.92	-4.14	54.00	-6.22	254	354 Average Vertical
2 10640.000	54.21	58.35	-4.14	74.00	-19.79	254	354 Peak Vertical
3 15960.000	40.20	38.06	2.14	54.00	-13.80	194	360 Average Vertical
4 15960.000	57.97	55.83	2.14	74.00	-16.03	194	360 Peak Vertical

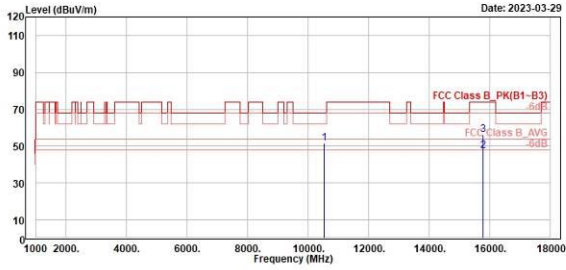
802.11ax HE20

CH 52 (Horizontal)

CH 52 (Vertical)



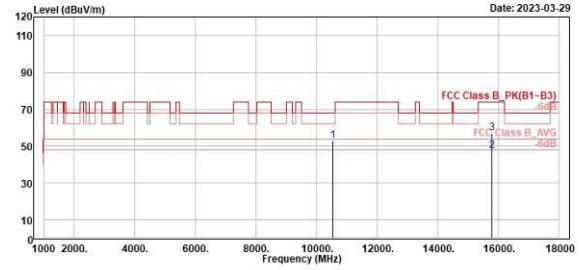
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	18520.000	51.36	55.65	-4.29	68.20	-16.84	100	34	Peak	Horizontal
2	15780.000	47.58	45.82	1.76	54.00	-6.42	100	336	Average	Horizontal
3	15780.000	56.23	54.47	1.76	74.00	-17.77	100	336	Peak	Horizontal



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



1	18520.000	52.97	57.26	-4.29	68.20	-15.23	100	14	Peak	Vertical
2	15780.000	47.60	45.84	1.76	54.00	-6.40	100	361	Average	Vertical
3	15780.000	56.94	55.18	1.76	74.00	-17.06	100	361	Peak	Vertical

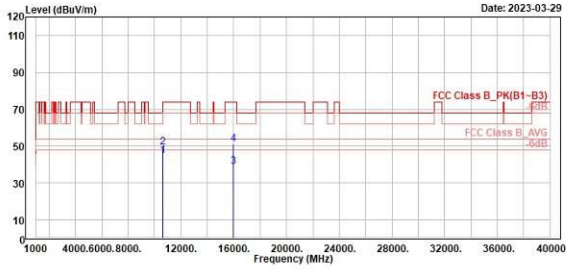
802.11ax HE20

CH 64 (Horizontal)

CH 64 (Vertical)



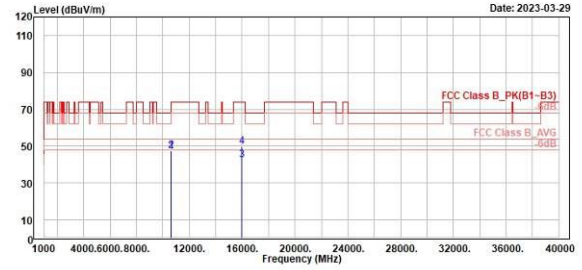
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dBuV	dB/m	dBuV/m	dB	cm	deg		
44.79	48.93	-4.14	54.00	-9.21	100	279 Average	Horizontal
49.48	53.62	-4.14	74.00	-24.52	100	279 Peak	Horizontal
36.63	36.49	2.14	54.00	-15.37	100	360 Average	Horizontal
51.25	49.11	2.14	74.00	-22.75	100	360 Peak	Horizontal



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



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dBuV	dB/m	dBuV/m	dB	cm	deg		
47.21	51.35	-4.14	54.00	-6.79	100	43 Average	Vertical
47.65	51.79	-4.14	74.00	-26.35	100	43 Peak	Vertical
42.53	40.39	2.14	54.00	-11.47	100	30 Average	Vertical
49.64	47.50	2.14	74.00	-24.36	100	30 Peak	Vertical

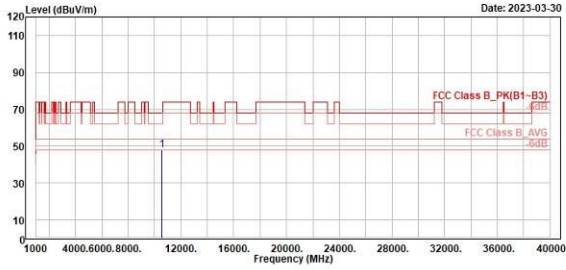
802.11ax HE40

CH 54 (Horizontal)

CH 54 (Vertical)



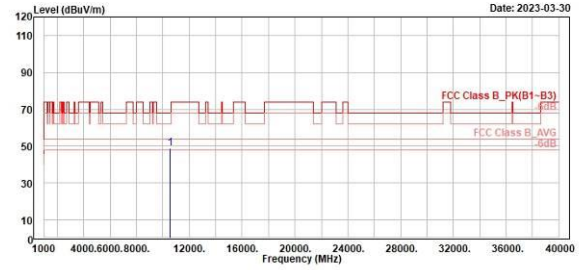
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	10548.000	47.72	52.00	-4.28	68.20	-20.48	200	283	Peak	Horizontal	
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				



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



1	10548.000	48.96	53.24	-4.28	68.20	-19.24	297	360	Peak	Vertical	
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				

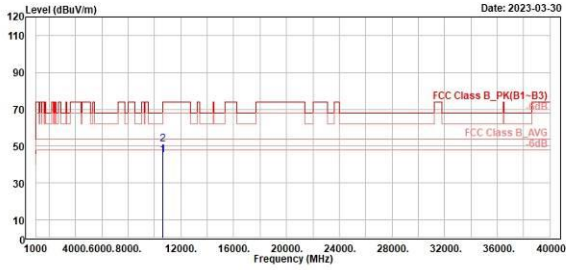
802.11ax HE40

CH 62 (Horizontal)

CH 62 (Vertical)



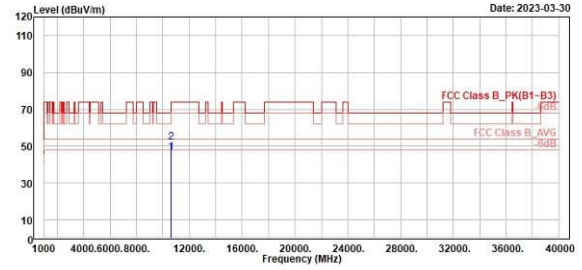
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Line					
Factor							
dBuV	dBuV/m	dB	cm	deg			
45.30	54.00	-8.70	200	301	Average	Horizontal	
55.39	74.00	-22.80	200	301	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



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Line					
Factor							
dBuV	dBuV/m	dB	cm	deg			
46.63	54.00	-7.37	282	360	Average	Vertical	
56.36	74.00	-21.63	282	360	Peak	Vertical	

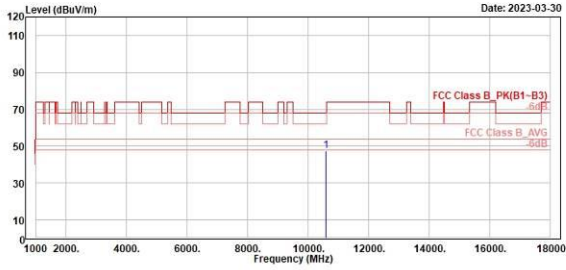
802.11ax HE80

CH 58 (Horizontal)

CH 58 (Vertical)



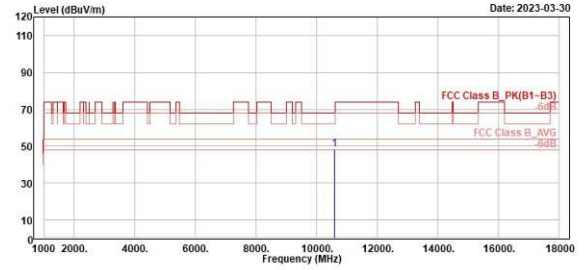
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 10588.000	47.36	51.62	-4.26	68.20	-20.84	200	297 Peak	Horizontal	



TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, 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 10588.000	48.18	52.44	-4.26	68.20	-20.02	317	360 Peak	Vertical	

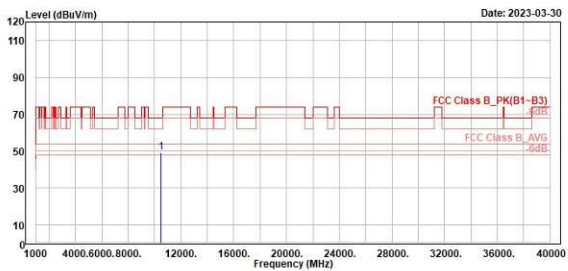
802.11ax HE160

CH 50 (Horizontal)

CH 50 (Vertical)



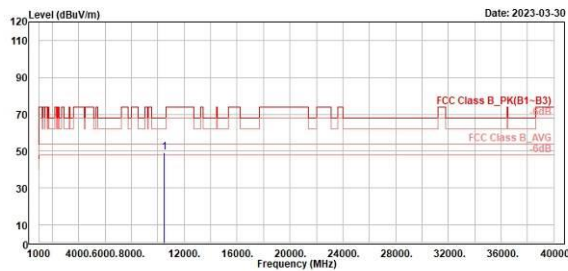
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Freq	Level	Level	Factor	Line	Limit		
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg
1 10500.000	49.20	53.50	-4.30	68.20	-19.00	200	297 Peak Horizontal



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



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Freq	Level	Level	Factor	Line	Limit		
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg
1 10500.000	49.31	53.61	-4.30	68.20	-18.89	200	342 Peak Vertical

U-NII-2C

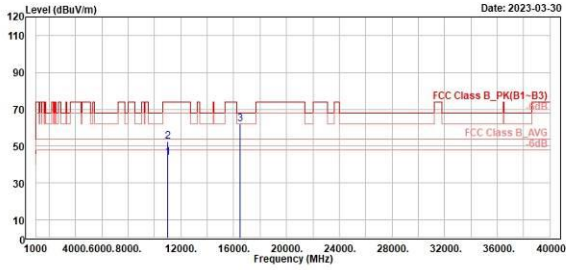
802.11a

CH 100 (Horizontal)

CH 100 (Vertical)



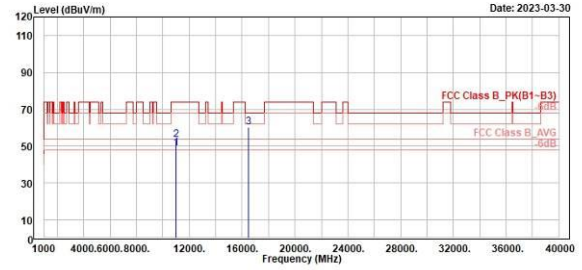
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dB/m	dB	dB	cm	deg			
43.80	54.00	-10.20	200	350	Average	Horizontal	
52.67	74.00	-21.33	200	350	Peak	Horizontal	
61.86	68.20	-6.34	100	41	Peak	Horizontal	



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



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dB/m	dB	dB	cm	deg			
48.79	54.00	-5.21	200	32	Average	Vertical	
53.30	74.00	-20.70	200	32	Peak	Vertical	
60.35	68.20	-7.85	100	348	Peak	Vertical	

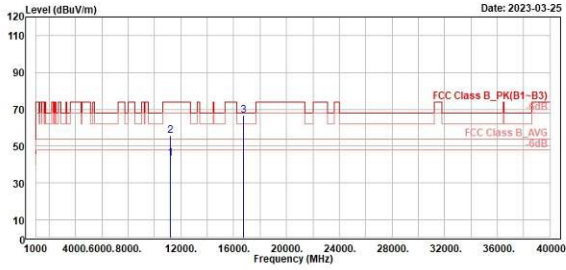
802.11a

CH 116 (Horizontal)

CH 116 (Vertical)



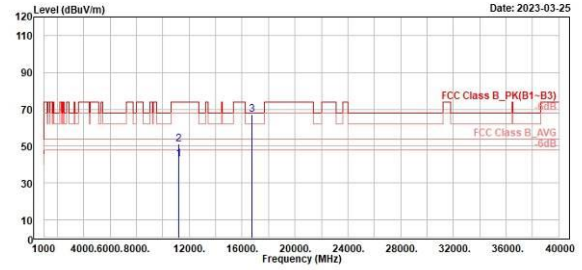
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



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 11160.000	43.48	46.79	-3.22	54.00	-10.52	124	336	Average	Horizontal	
2 11160.000	55.83	59.05	-3.22	74.00	-18.17	124	336	Peak	Horizontal	
3 116740.000	66.82	62.66	4.16	68.20	-1.38	100	343	Peak	Horizontal	



TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, 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 11160.000	42.89	46.11	-3.22	54.00	-11.11	264	335	Average	Vertical	
2 11160.000	50.89	54.11	-3.22	74.00	-23.11	264	335	Peak	Vertical	
3 116740.000	67.18	63.02	4.16	68.20	-1.02	156	354	Peak	Vertical	

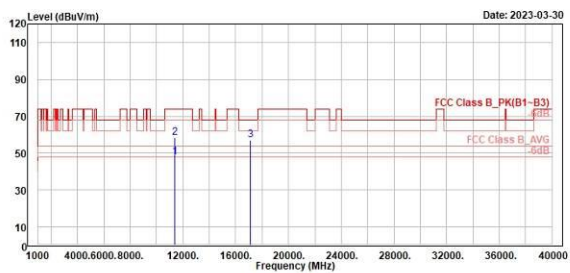
802.11a

CH 140 (Horizontal)

CH 140 (Vertical)



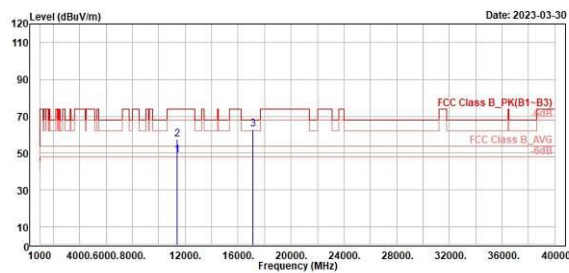
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
11400.000	47.89	50.83	-2.94	54.00	-6.11	100	316	Average	Horizontal		
11400.000	58.28	61.22	-2.94	74.00	-15.72	100	316	Peak	Horizontal		
17100.000	57.23	52.99	4.24	68.20	-10.97	122	360	Peak	Horizontal		



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



1	2	3	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
11400.000	48.84	51.78	-2.94	54.00	-5.16	195	28	Average	Vertical		
11400.000	57.38	60.32	-2.94	74.00	-16.62	195	28	Peak	Vertical		
17100.000	63.02	58.78	4.24	68.20	-5.18	100	348	Peak	Vertical		

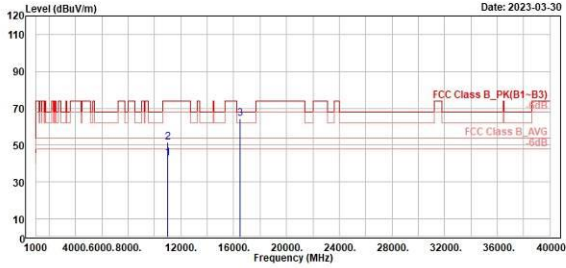
802.11ax HE20

CH 100 (Horizontal)

CH 100 (Vertical)



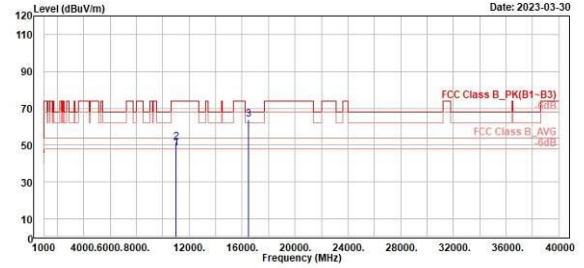
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note		
Freq	Level	Level	Line	Limit					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	11000.000	42.93	46.35	-3.43	54.00	-11.07	100	272 Average	Horizontal
2	11000.000	51.78	55.21	-3.43	74.00	-22.22	100	272 Peak	Horizontal
3	116500.000	64.28	61.14	3.14	68.20	-3.92	100	41 Peak	Horizontal



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



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note		
Freq	Level	Level	Line	Limit					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	11000.000	48.42	51.85	-3.43	54.00	-5.58	100	7 Average	Vertical
2	11000.000	51.33	54.76	-3.43	74.00	-22.67	100	7 Peak	Vertical
3	116500.000	64.06	60.92	3.14	68.20	-4.14	100	358 Peak	Vertical

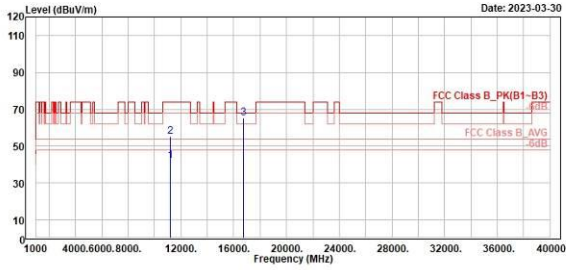
802.11ax HE20

CH 116 (Horizontal)

CH 116 (Vertical)



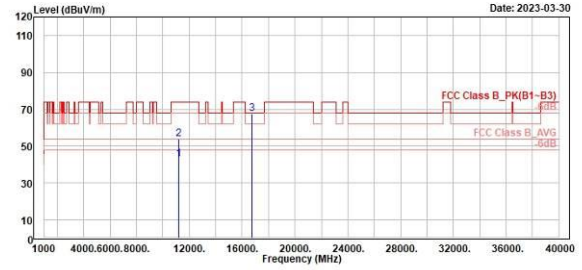
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



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 11160.000	42.01	45.23	-3.22	54.00	-11.99	179	290	Average	Horizontal	
2 11160.000	55.11	58.33	-3.22	74.00	-18.89	179	290	Peak	Horizontal	
3 116740.000	65.18	61.02	4.16	68.20	-3.02	122	360	Peak	Horizontal	



TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, 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 11160.000	42.99	46.21	-3.22	54.00	-11.01	221	345	Average	Vertical	
2 11160.000	53.89	57.11	-3.22	74.00	-20.11	221	345	Peak	Vertical	
3 116740.000	67.43	63.27	4.16	68.20	-0.77	126	350	Peak	Vertical	

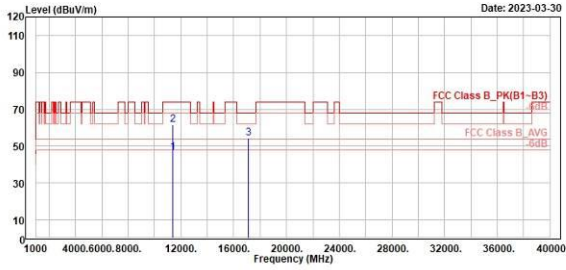
802.11ax HE20

CH 140 (Horizontal)

CH 140 (Vertical)



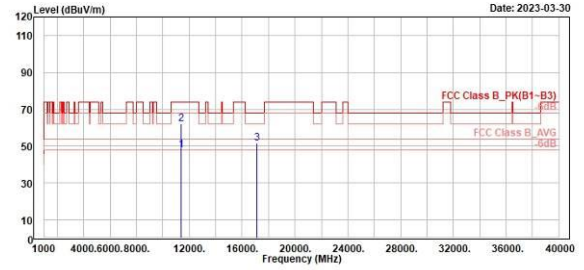
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Line	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	11400.000	46.73	49.67	-2.94	54.00	-7.27	191	335	Average	Horizontal	
2	11400.000	61.50	64.44	-2.94	74.00	-12.50	191	335	Peak	Horizontal	
3	17100.000	54.20	49.96	4.24	68.20	-14.00	117	360	Peak	Horizontal	



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



Line	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	11400.000	48.08	51.02	-2.94	54.00	-5.92	230	344	Average	Vertical	
2	11400.000	62.15	65.09	-2.94	74.00	-11.85	230	344	Peak	Vertical	
3	17100.000	51.60	47.36	4.24	68.20	-16.60	152	360	Peak	Vertical	

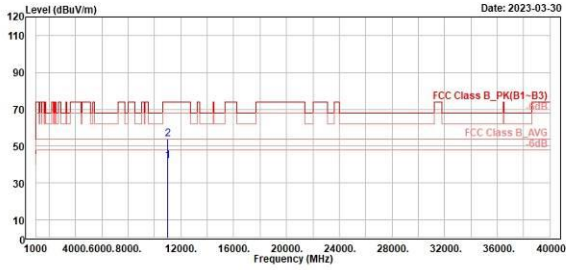
802.11ax HE40

CH 102 (Horizontal)

CH 102 (Vertical)



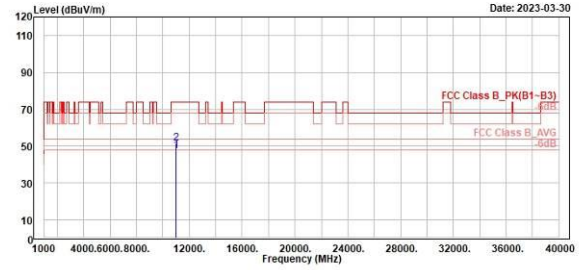
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note		
Freq	Level	Factor	Line	Limit					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	11020.000	42.01	45.41	-3.40	54.00	-11.99	200	290 Average	Horizontal
2	11020.000	53.72	57.12	-3.40	74.00	-20.28	200	290 Peak	Horizontal



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



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note		
Freq	Level	Factor	Line	Limit					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	11020.000	47.52	50.92	-3.40	54.00	-6.48	232	360 Average	Vertical
2	11020.000	51.41	54.81	-3.40	74.00	-22.59	232	360 Peak	Vertical

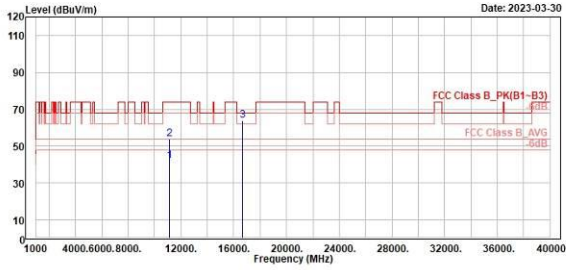
802.11ax HE40

CH 110 (Horizontal)

CH 110 (Vertical)



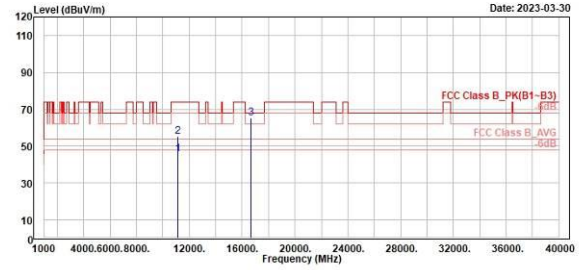
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dB/m	dBuV/m	dB	cm	deg			
41.78	54.00	-12.22	163	9	Average	Horizontal	
57.27	74.00	-19.99	163	9	Peak	Horizontal	
59.97	68.20	-4.32	116	360	Peak	Horizontal	



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



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dB/m	dBuV/m	dB	cm	deg			
45.49	54.00	-8.51	261	360	Average	Vertical	
55.43	74.00	-18.57	261	360	Peak	Vertical	
61.50	68.20	-2.79	180	360	Peak	Vertical	

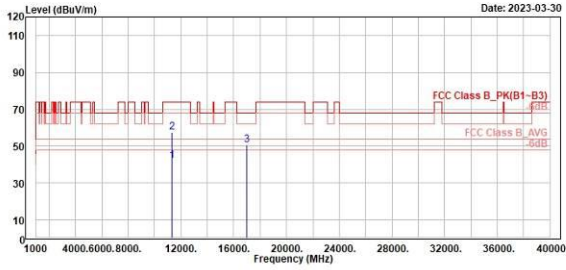
802.11ax HE40

CH 134 (Horizontal)

CH 134 (Vertical)



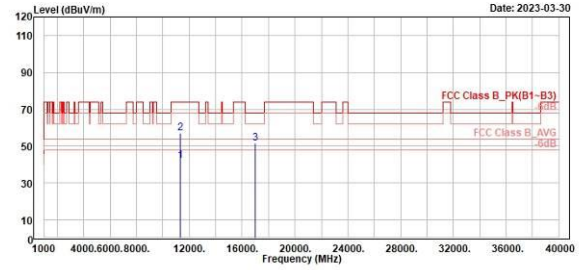
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
11340.000	42.13	45.12	-2.99	54.00	-11.87	192	317	Average	Horizontal		
11340.000	57.45	60.44	-2.99	74.00	-16.55	192	317	Peak	Horizontal		
17010.000	50.82	47.14	3.68	68.20	-17.38	110	360	Peak	Horizontal		



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



1	2	3	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
11340.000	42.13	45.12	-2.99	54.00	-11.87	187	27	Average	Vertical		
11340.000	56.82	59.81	-2.99	74.00	-17.18	187	27	Peak	Vertical		
17010.000	51.58	47.90	3.68	68.20	-16.62	184	360	Peak	Vertical		

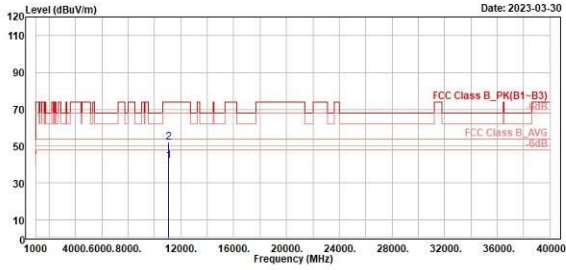
802.11ax HE80

CH 106 (Horizontal)

CH 106 (Vertical)



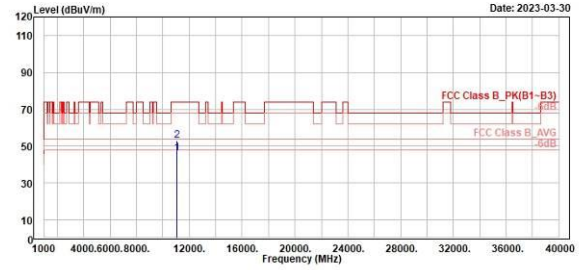
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dB/m	dBuV/m	dB	cm	deg			
41.93	54.00	-12.07	242	297	Average	Horizontal	
51.79	74.00	-22.21	242	297	Peak	Horizontal	



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



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dB/m	dBuV/m	dB	cm	deg			
46.22	54.00	-7.78	258	360	Average	Vertical	
52.78	74.00	-21.22	258	360	Peak	Vertical	

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

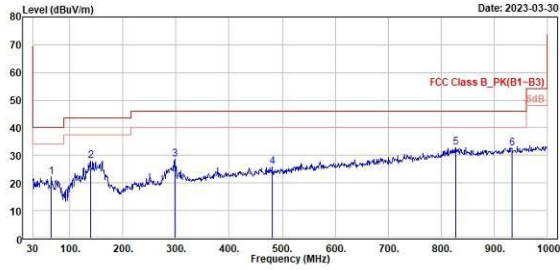
802.11ax HE40

CH 110 (Horizontal)

CH 110 (Vertical)



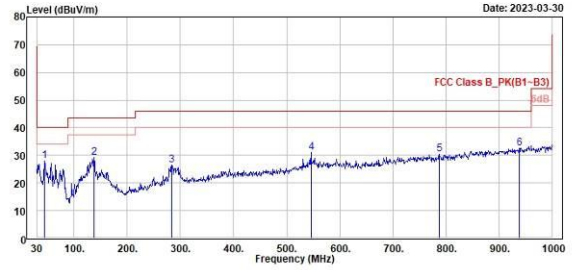
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



No.	Freq MHz	Read		Limit Line	Over Limit	APos cm	TPos deg	Remark	Pol/Phase	Note
		Level dBuV/m	Factor dBuV							
1	64.920	32.22	31.49	-9.27	40.00	-17.78	100	197 Peak	Horizontal	
2	138.640	28.07	35.88	-7.81	43.50	-15.43	300	85 Peak	Horizontal	
3	297.720	28.51	34.75	-6.24	46.00	-17.49	100	277 Peak	Horizontal	
4	481.050	25.87	29.17	-3.30	46.00	-20.13	100	188 Peak	Horizontal	
5	827.340	32.73	30.04	2.69	46.00	-13.27	100	34 Peak	Horizontal	
6	933.070	32.59	26.03	4.56	46.00	-13.41	100	233 Peak	Horizontal	



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



No.	Freq MHz	Read		Limit Line	Over Limit	APos cm	TPos deg	Remark	Pol/Phase	Note
		Level dBuV/m	Factor dBuV							
1	44.550	27.88	35.19	-7.31	40.00	-12.12	100	161 Peak	Vertical	
2	137.670	29.10	36.95	-7.85	43.50	-14.40	100	151 Peak	Vertical	
3	283.170	26.50	33.20	-6.70	46.00	-19.50	100	161 Peak	Vertical	
4	546.040	31.00	33.10	-2.10	46.00	-15.00	100	337 Peak	Vertical	
5	787.570	30.38	28.35	2.03	46.00	-15.62	300	187 Peak	Vertical	
6	937.920	32.47	27.92	4.55	46.00	-13.53	300	252 Peak	Vertical	

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

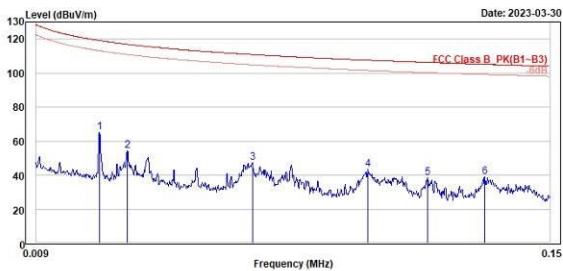
802.11ax HE40

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

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



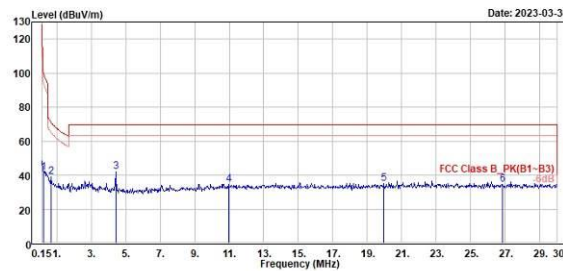
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



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	0.026	65.38	46.43	18.95	119.13	-53.75	100	85	Peak	Open	
2	0.034	54.48	35.21	19.19	116.94	-62.54	100	182	Peak	Open	
3	0.068	47.26	28.59	18.67	118.90	-63.64	100	179	Peak	Open	
4	0.100	43.31	25.39	17.92	107.59	-64.28	100	178	Peak	Open	
5	0.116	38.52	20.53	17.99	106.27	-67.75	100	198	Peak	Open	
6	0.132	39.12	21.07	18.05	105.18	-66.06	100	99	Peak	Open	

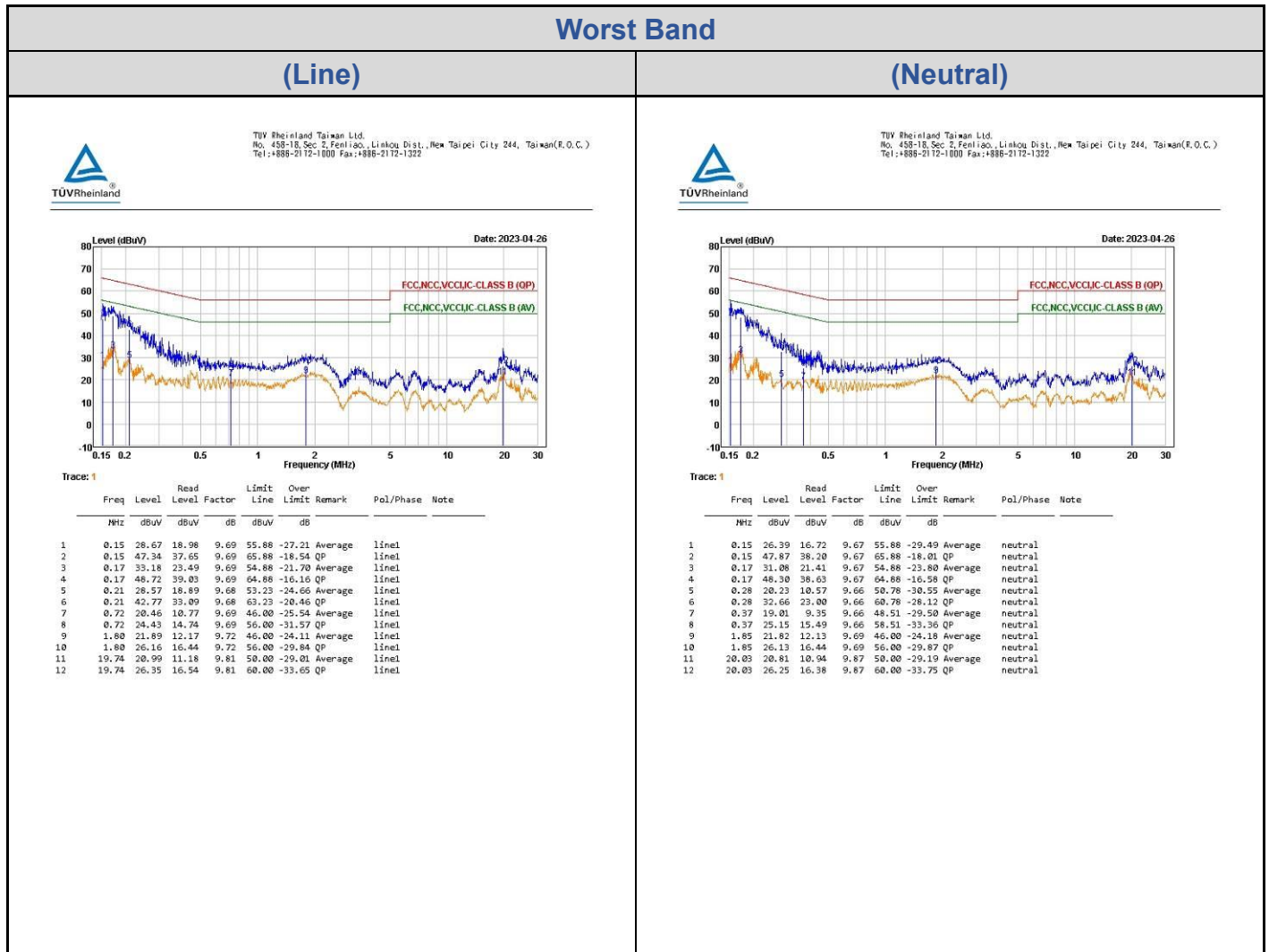


TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322

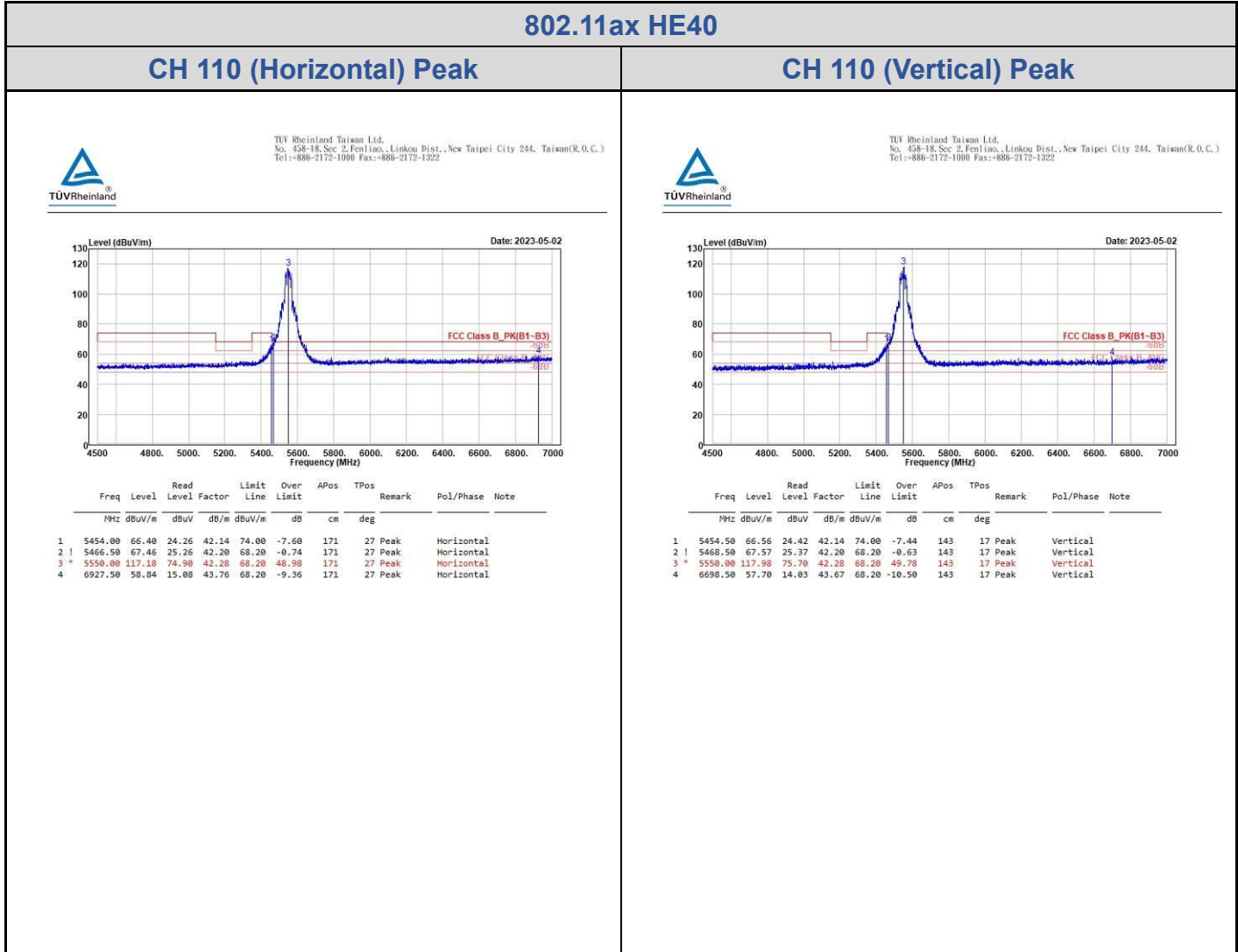


Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.240	41.63	23.14	18.49	100.01	-58.38	100	265	Peak	Open	
2	0.687	38.85	19.93	18.92	70.79	-31.94	100	281	Peak	Open	
3	4.419	42.18	22.59	19.51	69.50	-27.40	100	130	Peak	Open	
4	10.956	34.73	13.06	21.67	69.50	-34.77	100	74	Peak	Open	
5	19.970	34.95	12.65	22.30	69.50	-34.55	100	218	Peak	Open	
6	26.836	34.77	12.37	22.40	69.50	-34.73	100	162	Peak	Open	

Mains Conducted Emission, (150kHz ~ 30MHz)



<POE Mode>
Band Edges, 5.3GHz ~ 5.47GHz, 5.725GHz
U-NII-2C



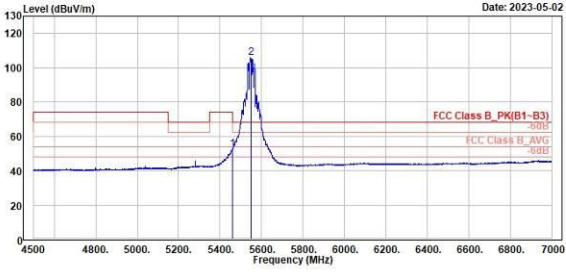
802.11ax HE40

CH 110 (Horizontal) Average

CH 110 (Vertical) Average



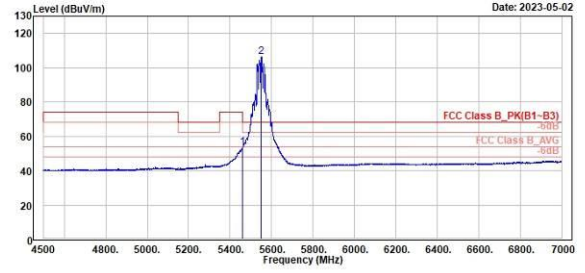
TUV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1010 Fax: +886-2172-1322



Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Freq	Level		Line	Limit					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 5460.00	52.35	10.18	42.17	54.00	-1.65	171	27 Average	Horizontal	
2 * 5550.00	105.55	63.27	42.28	54.00	51.55	171	27 Average	Horizontal	



TUV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1010 Fax: +886-2172-1322

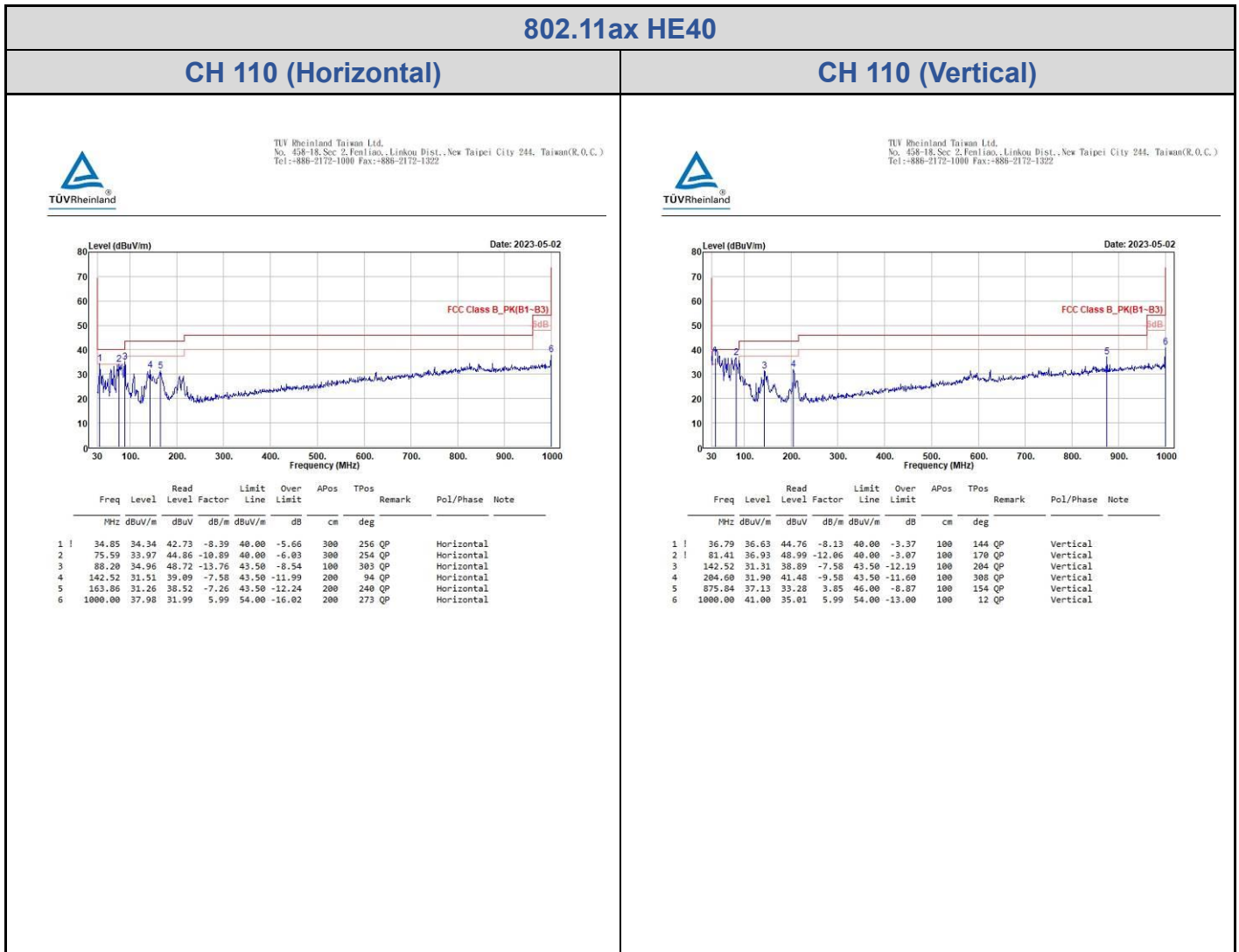


Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Freq	Level		Line	Limit					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 5458.50	53.17	11.02	42.15	54.00	-0.83	143	17 Average	Vertical	
2 * 5550.00	106.42	64.14	42.28	54.00	52.42	143	17 Average	Vertical	

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

802.11ax HE40																																																																																																					
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. 438-18, 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: 2023-05-02</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</td> <td>11180.00</td> <td>42.71</td> <td>45.97</td> <td>-3.26</td> <td>54.00</td> <td>-11.29</td> <td>100</td> <td>276</td> <td>Average Horizontal</td> </tr> <tr> <td>2</td> <td>11180.00</td> <td>49.86</td> <td>53.12</td> <td>-3.26</td> <td>74.00</td> <td>-24.14</td> <td>100</td> <td>276</td> <td>Peak Horizontal</td> </tr> <tr> <td>3</td> <td>16650.00</td> <td>64.89</td> <td>60.98</td> <td>3.91</td> <td>68.20</td> <td>-3.31</td> <td>188</td> <td>13</td> <td>Peak Horizontal</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	42.71	45.97	-3.26	54.00	-11.29	100	276	Average Horizontal	2	11180.00	49.86	53.12	-3.26	74.00	-24.14	100	276	Peak Horizontal	3	16650.00	64.89	60.98	3.91	68.20	-3.31	188	13	Peak Horizontal	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 8px;"> TÜV Rheinland Taiwan Ltd. No. 438-18, 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: 2023-05-02</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</td> <td>11180.00</td> <td>44.68</td> <td>47.94</td> <td>-3.26</td> <td>54.00</td> <td>-9.32</td> <td>217</td> <td>354</td> <td>Average Vertical</td> </tr> <tr> <td>2</td> <td>11180.00</td> <td>51.36</td> <td>54.62</td> <td>-3.26</td> <td>74.00</td> <td>-22.64</td> <td>217</td> <td>354</td> <td>Peak Vertical</td> </tr> <tr> <td>3</td> <td>16650.00</td> <td>65.15</td> <td>61.24</td> <td>3.91</td> <td>68.20</td> <td>-3.05</td> <td>100</td> <td>348</td> <td>Peak Vertical</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	44.68	47.94	-3.26	54.00	-9.32	217	354	Average Vertical	2	11180.00	51.36	54.62	-3.26	74.00	-22.64	217	354	Peak Vertical	3	16650.00	65.15	61.24	3.91	68.20	-3.05	100	348	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	42.71	45.97	-3.26	54.00	-11.29	100	276	Average Horizontal																																																																																												
2	11180.00	49.86	53.12	-3.26	74.00	-24.14	100	276	Peak Horizontal																																																																																												
3	16650.00	64.89	60.98	3.91	68.20	-3.31	188	13	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	44.68	47.94	-3.26	54.00	-9.32	217	354	Average Vertical																																																																																												
2	11180.00	51.36	54.62	-3.26	74.00	-22.64	217	354	Peak Vertical																																																																																												
3	16650.00	65.15	61.24	3.91	68.20	-3.05	100	348	Peak Vertical																																																																																												

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



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

802.11ax HE40																																																																																																																																																																									
CH 110 (9kHz ~ 150kHz)(Open)	CH 110 (150kHz ~ 30MHz)(Open)																																																																																																																																																																								
<div style="text-align: right; font-size: small;"> TÜV Rheinland Taiwan Ltd. No. 438-18, Sec 2, Fenliiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.) Tel: +886-2172-1000 Fax: +886-2172-1322 </div> <div style="text-align: center; margin-top: 10px;"> </div> <div style="text-align: right; font-size: x-small;">Date: 2023-05-02</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small; margin-top: 10px;"> <thead> <tr> <th>Peak</th> <th>Freq (MHz)</th> <th>Level (dBuV/m)</th> <th>Read Level (dBuV)</th> <th>Factor (dB)</th> <th>Limit Line (dBuV/m)</th> <th>Over Limit (dB)</th> <th>APos (cm)</th> <th>TPos (deg)</th> <th>Remark</th> <th>Pol/Phase</th> <th>Note</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.01</td><td>53.44</td><td>35.72</td><td>17.72</td><td>127.60</td><td>-74.16</td><td>100</td><td>34</td><td>QP</td><td>Open</td><td></td></tr> <tr><td>2</td><td>0.02</td><td>48.47</td><td>30.34</td><td>18.13</td><td>123.71</td><td>-75.24</td><td>100</td><td>257</td><td>QP</td><td>Open</td><td></td></tr> <tr><td>3</td><td>0.03</td><td>57.34</td><td>38.39</td><td>18.95</td><td>119.13</td><td>-61.79</td><td>100</td><td>84</td><td>QP</td><td>Open</td><td></td></tr> <tr><td>4</td><td>0.03</td><td>42.08</td><td>22.87</td><td>19.21</td><td>118.05</td><td>-75.97</td><td>100</td><td>47</td><td>QP</td><td>Open</td><td></td></tr> <tr><td>5</td><td>0.06</td><td>41.03</td><td>22.18</td><td>18.85</td><td>111.82</td><td>-70.79</td><td>100</td><td>269</td><td>QP</td><td>Open</td><td></td></tr> <tr><td>6</td><td>0.12</td><td>29.78</td><td>11.76</td><td>18.02</td><td>105.80</td><td>-76.02</td><td>100</td><td>22</td><td>QP</td><td>Open</td><td></td></tr> </tbody> </table>	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	0.01	53.44	35.72	17.72	127.60	-74.16	100	34	QP	Open		2	0.02	48.47	30.34	18.13	123.71	-75.24	100	257	QP	Open		3	0.03	57.34	38.39	18.95	119.13	-61.79	100	84	QP	Open		4	0.03	42.08	22.87	19.21	118.05	-75.97	100	47	QP	Open		5	0.06	41.03	22.18	18.85	111.82	-70.79	100	269	QP	Open		6	0.12	29.78	11.76	18.02	105.80	-76.02	100	22	QP	Open		<div style="text-align: right; font-size: small;"> TÜV Rheinland Taiwan Ltd. No. 438-18, Sec 2, Fenliiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.) Tel: +886-2172-1000 Fax: +886-2172-1322 </div> <div style="text-align: center; margin-top: 10px;"> </div> <div style="text-align: right; font-size: x-small;">Date: 2023-05-02</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small; margin-top: 10px;"> <thead> <tr> <th>Peak</th> <th>Freq (MHz)</th> <th>Level (dBuV/m)</th> <th>Read Level (dBuV)</th> <th>Factor (dB)</th> <th>Limit Line (dBuV/m)</th> <th>Over Limit (dB)</th> <th>APos (cm)</th> <th>TPos (deg)</th> <th>Remark</th> <th>Pol/Phase</th> <th>Note</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.15</td><td>46.95</td><td>22.82</td><td>18.13</td><td>104.08</td><td>-63.13</td><td>100</td><td>67</td><td>QP</td><td>Open</td><td></td></tr> <tr><td>2</td><td>5.58</td><td>33.51</td><td>13.78</td><td>19.73</td><td>69.50</td><td>-35.99</td><td>100</td><td>360</td><td>QP</td><td>Open</td><td></td></tr> <tr><td>3</td><td>11.76</td><td>35.33</td><td>13.65</td><td>21.68</td><td>69.50</td><td>-34.17</td><td>100</td><td>121</td><td>QP</td><td>Open</td><td></td></tr> <tr><td>4</td><td>17.37</td><td>34.99</td><td>12.93</td><td>22.06</td><td>69.50</td><td>-34.51</td><td>100</td><td>360</td><td>QP</td><td>Open</td><td></td></tr> <tr><td>5</td><td>21.94</td><td>36.28</td><td>14.02</td><td>22.26</td><td>69.50</td><td>-33.22</td><td>100</td><td>20</td><td>QP</td><td>Open</td><td></td></tr> <tr><td>6</td><td>26.24</td><td>36.36</td><td>14.06</td><td>22.30</td><td>69.50</td><td>-33.14</td><td>100</td><td>257</td><td>QP</td><td>Open</td><td></td></tr> </tbody> </table>	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	0.15	46.95	22.82	18.13	104.08	-63.13	100	67	QP	Open		2	5.58	33.51	13.78	19.73	69.50	-35.99	100	360	QP	Open		3	11.76	35.33	13.65	21.68	69.50	-34.17	100	121	QP	Open		4	17.37	34.99	12.93	22.06	69.50	-34.51	100	360	QP	Open		5	21.94	36.28	14.02	22.26	69.50	-33.22	100	20	QP	Open		6	26.24	36.36	14.06	22.30	69.50	-33.14	100	257	QP	Open	
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	0.01	53.44	35.72	17.72	127.60	-74.16	100	34	QP	Open																																																																																																																																																															
2	0.02	48.47	30.34	18.13	123.71	-75.24	100	257	QP	Open																																																																																																																																																															
3	0.03	57.34	38.39	18.95	119.13	-61.79	100	84	QP	Open																																																																																																																																																															
4	0.03	42.08	22.87	19.21	118.05	-75.97	100	47	QP	Open																																																																																																																																																															
5	0.06	41.03	22.18	18.85	111.82	-70.79	100	269	QP	Open																																																																																																																																																															
6	0.12	29.78	11.76	18.02	105.80	-76.02	100	22	QP	Open																																																																																																																																																															
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	0.15	46.95	22.82	18.13	104.08	-63.13	100	67	QP	Open																																																																																																																																																															
2	5.58	33.51	13.78	19.73	69.50	-35.99	100	360	QP	Open																																																																																																																																																															
3	11.76	35.33	13.65	21.68	69.50	-34.17	100	121	QP	Open																																																																																																																																																															
4	17.37	34.99	12.93	22.06	69.50	-34.51	100	360	QP	Open																																																																																																																																																															
5	21.94	36.28	14.02	22.26	69.50	-33.22	100	20	QP	Open																																																																																																																																																															
6	26.24	36.36	14.06	22.30	69.50	-33.14	100	257	QP	Open																																																																																																																																																															

Mains Conducted Emission, (150kHz ~ 30MHz)

