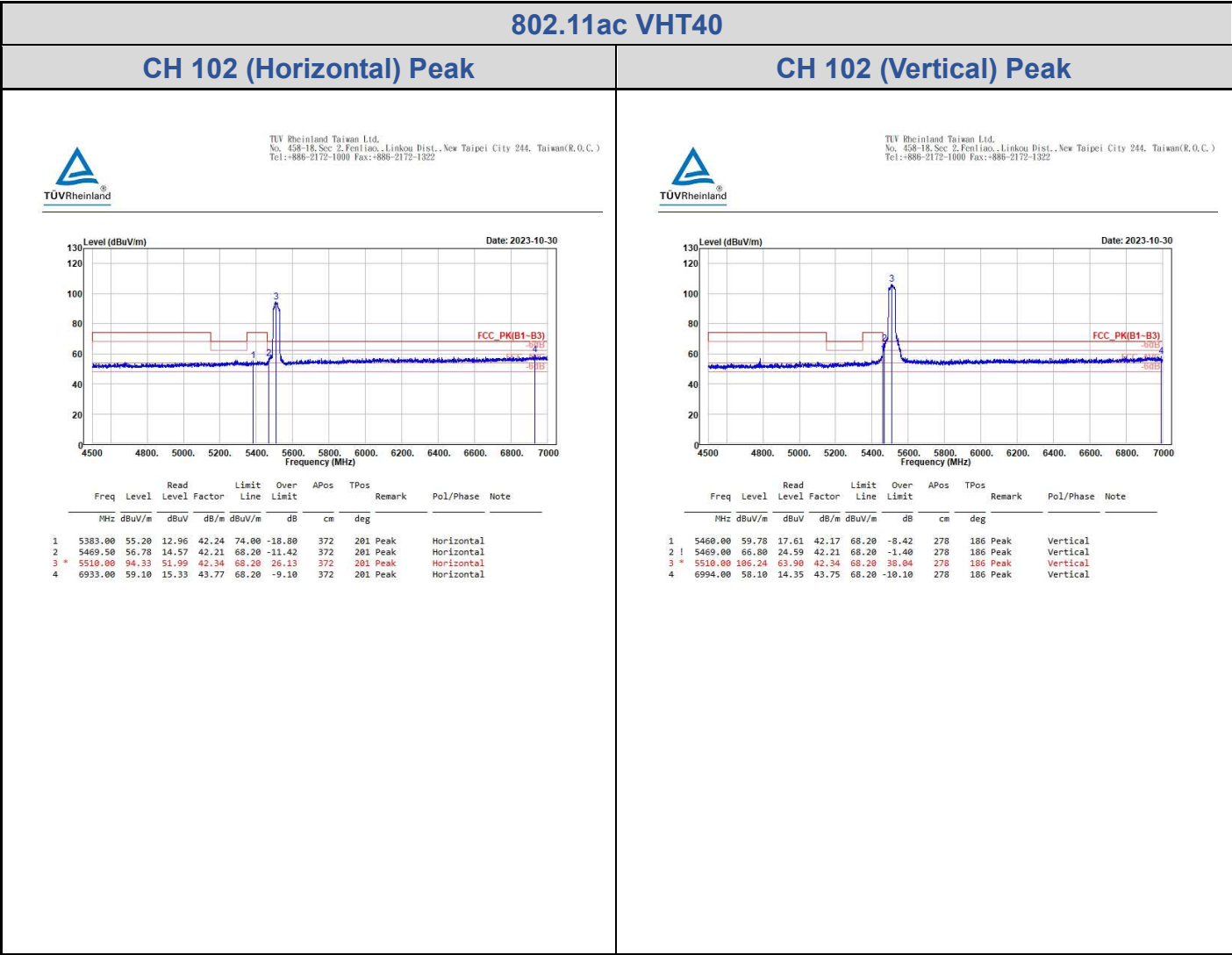




802.11ac VHT40

CH 102 (Horizontal) 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

Level (dBuV/m) Date: 2023-10-30

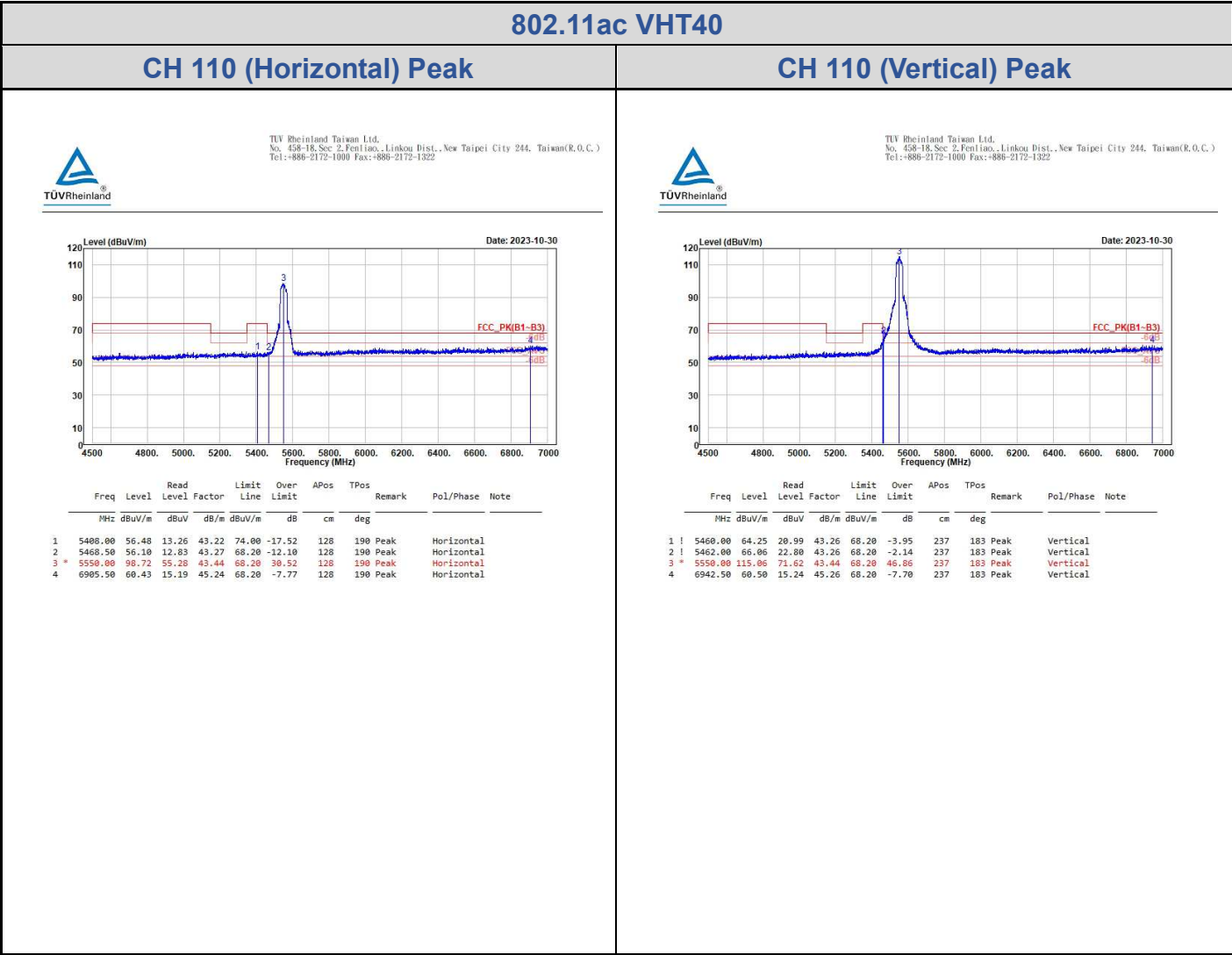
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Factor	Line	Limit	dB	cm	deg		
1	5488.50	42.79	0.37	42.42	54.00	-11.21	372	201 Average	Horizontal	
2 *	5518.00	84.99	42.65	42.34	54.00	30.99	372	201 Average	Horizontal	

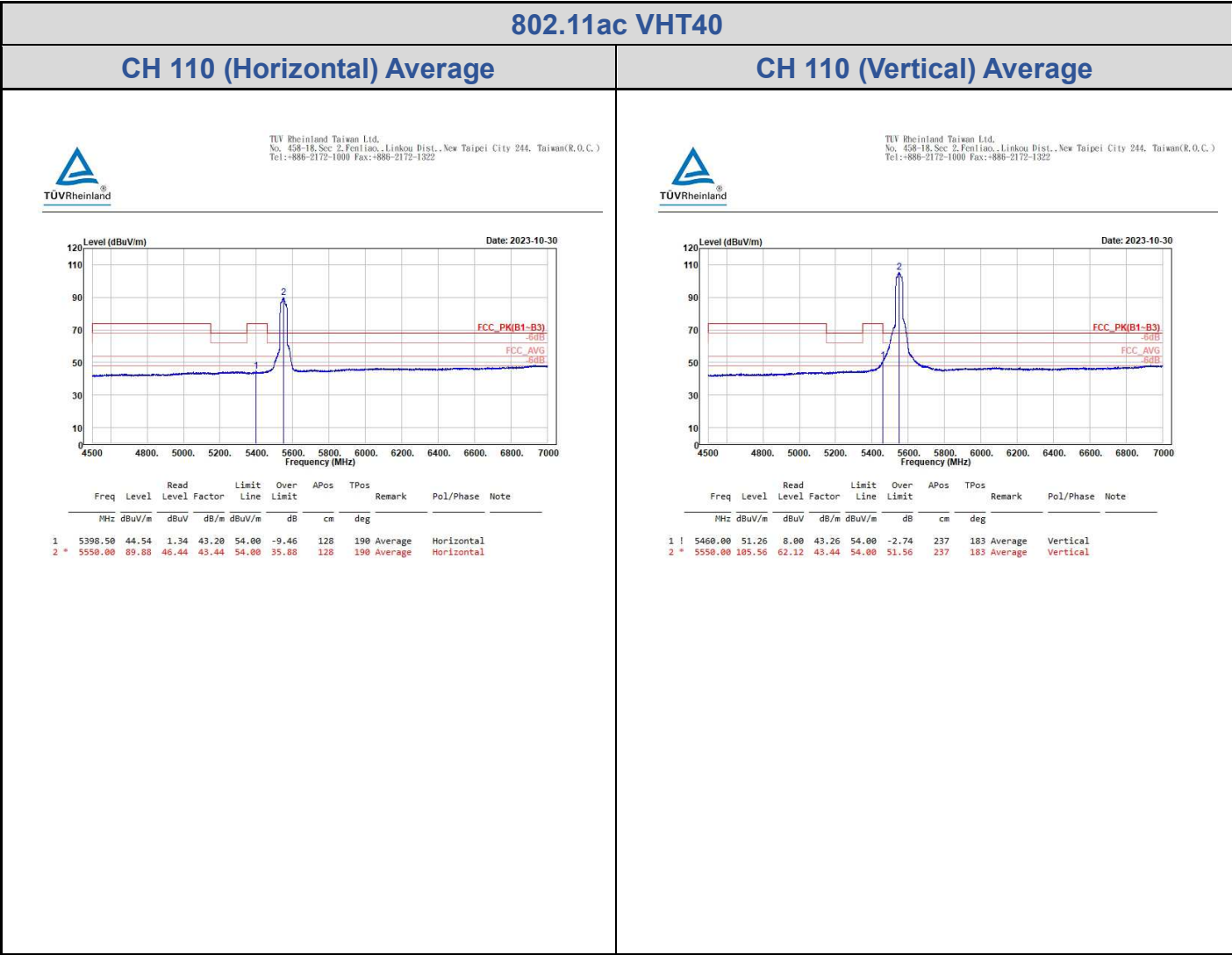
CH 102 (Vertical) Average

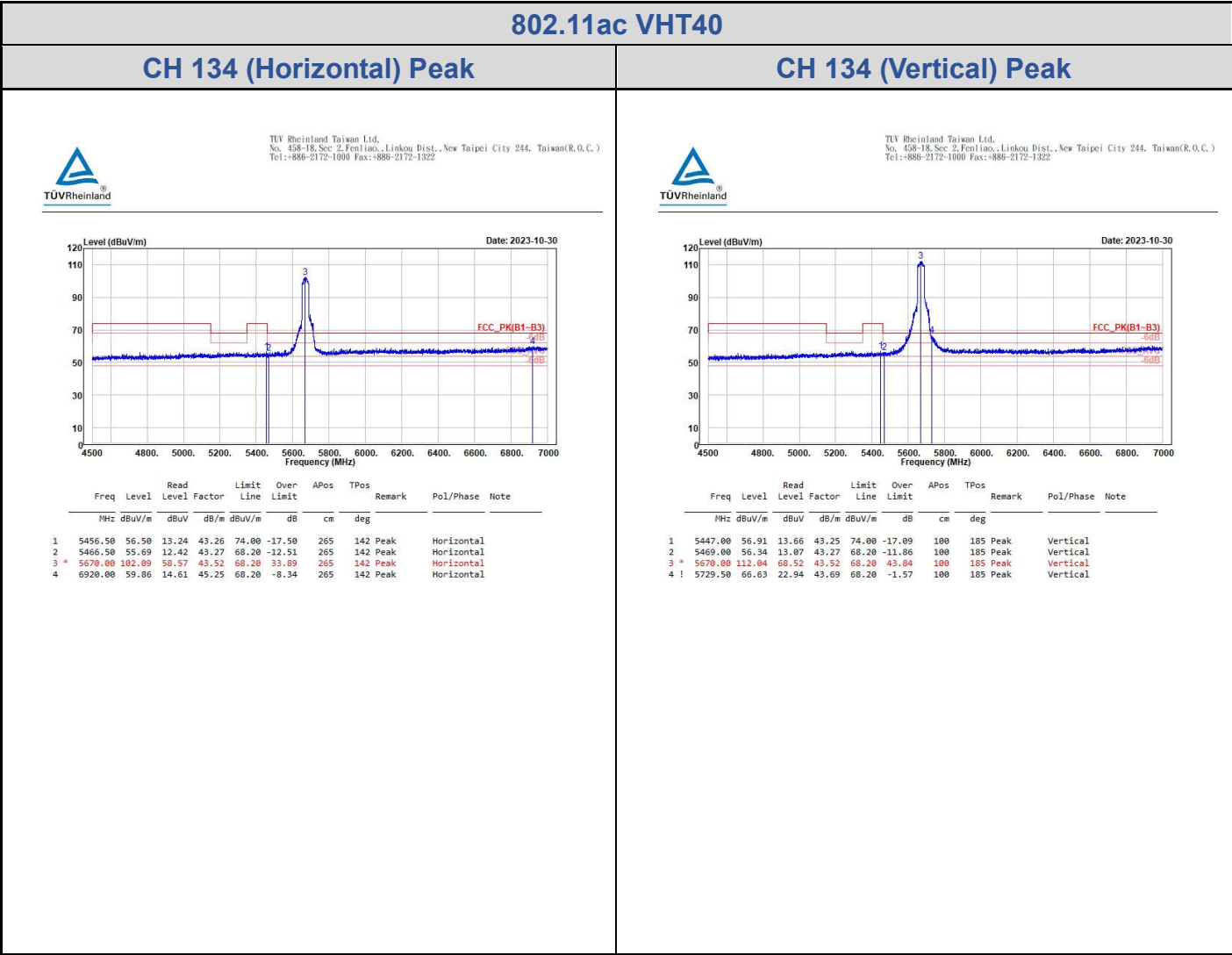
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322

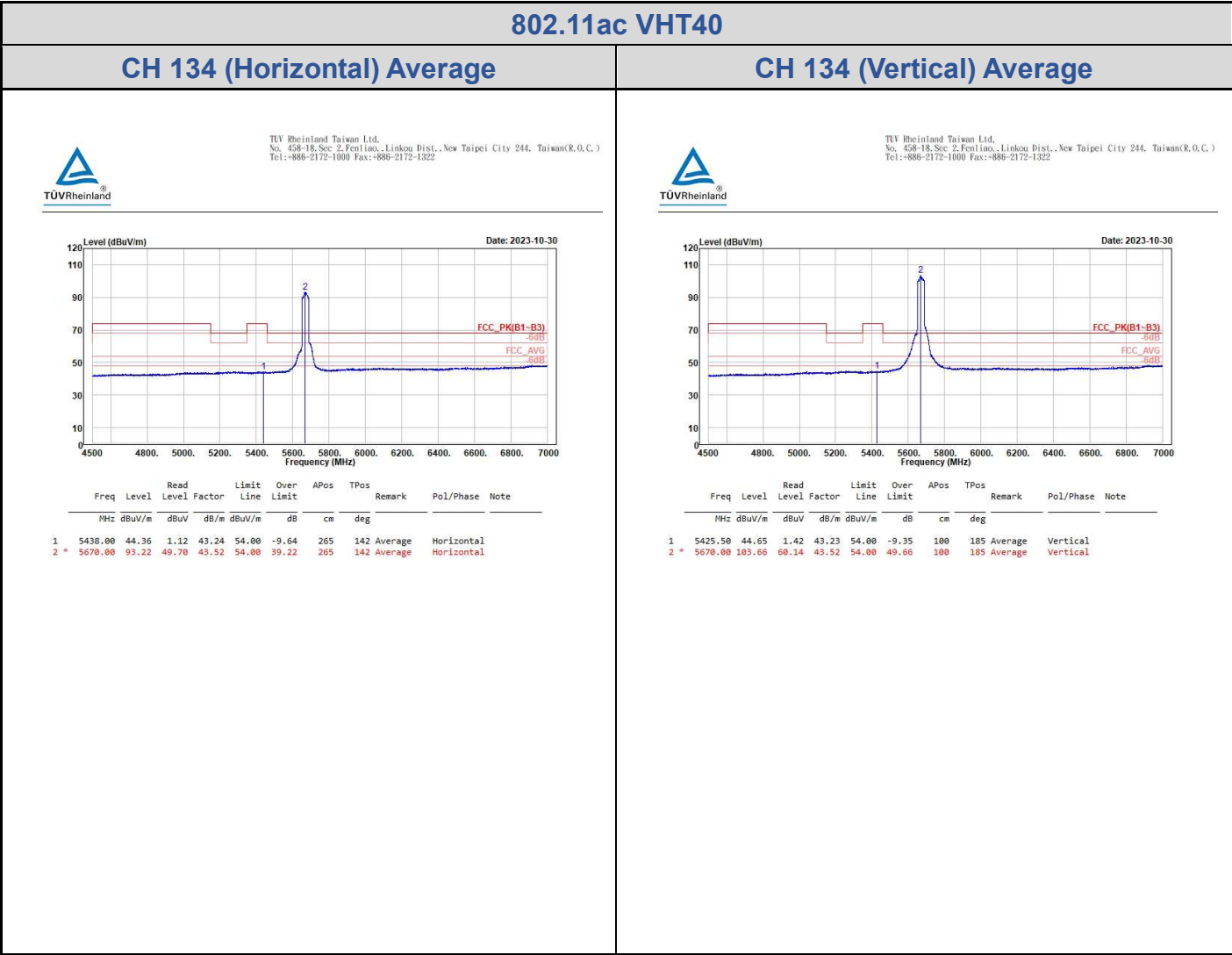
Level (dBuV/m) Date: 2023-10-30

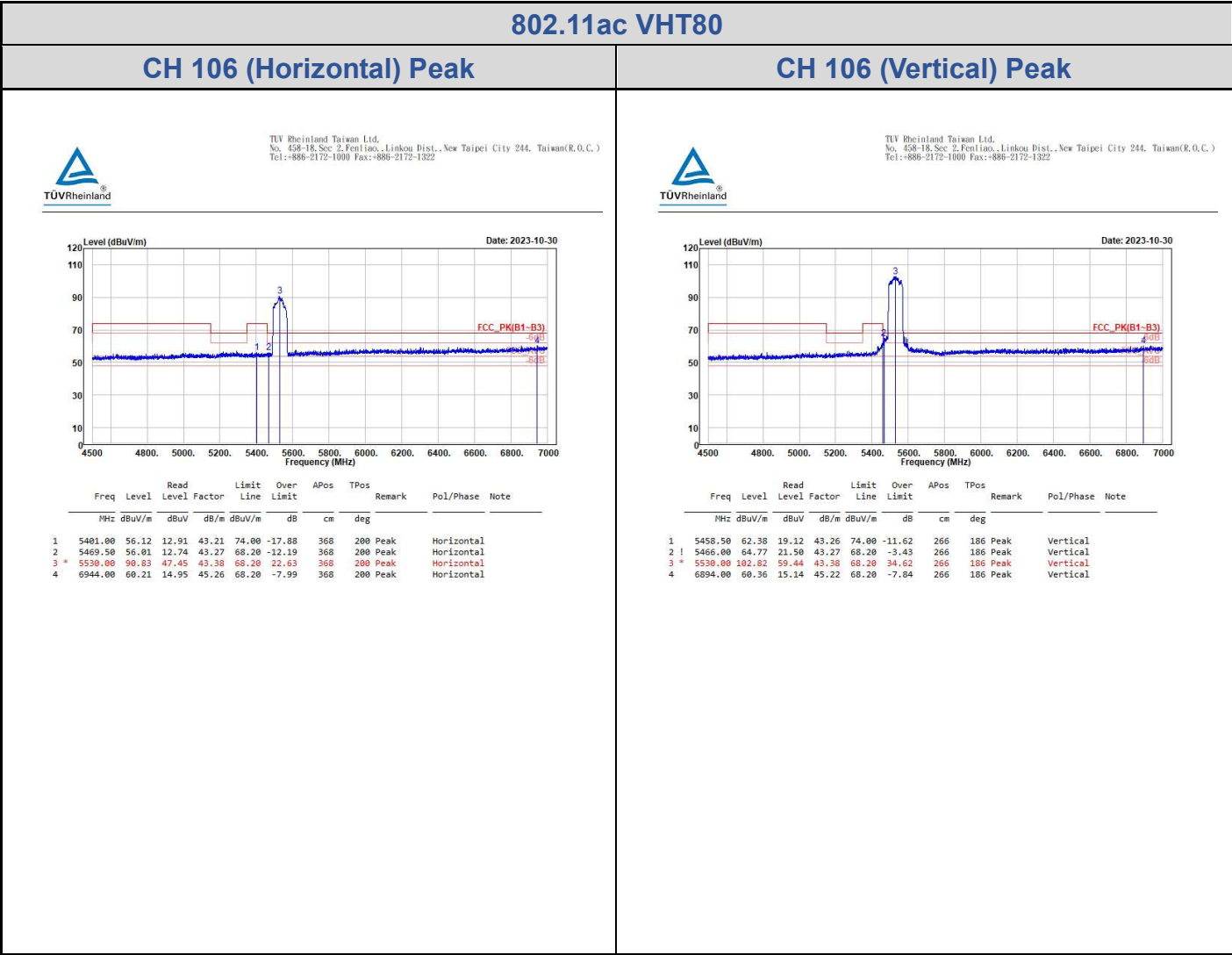
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Factor	Line	Limit	dB	cm	deg		
1 !	5460.00	48.78	6.61	42.17	54.00	-5.22	278	186 Average	Vertical	
2 *	5518.00	97.53	55.19	42.34	54.00	43.53	278	186 Average	Vertical	

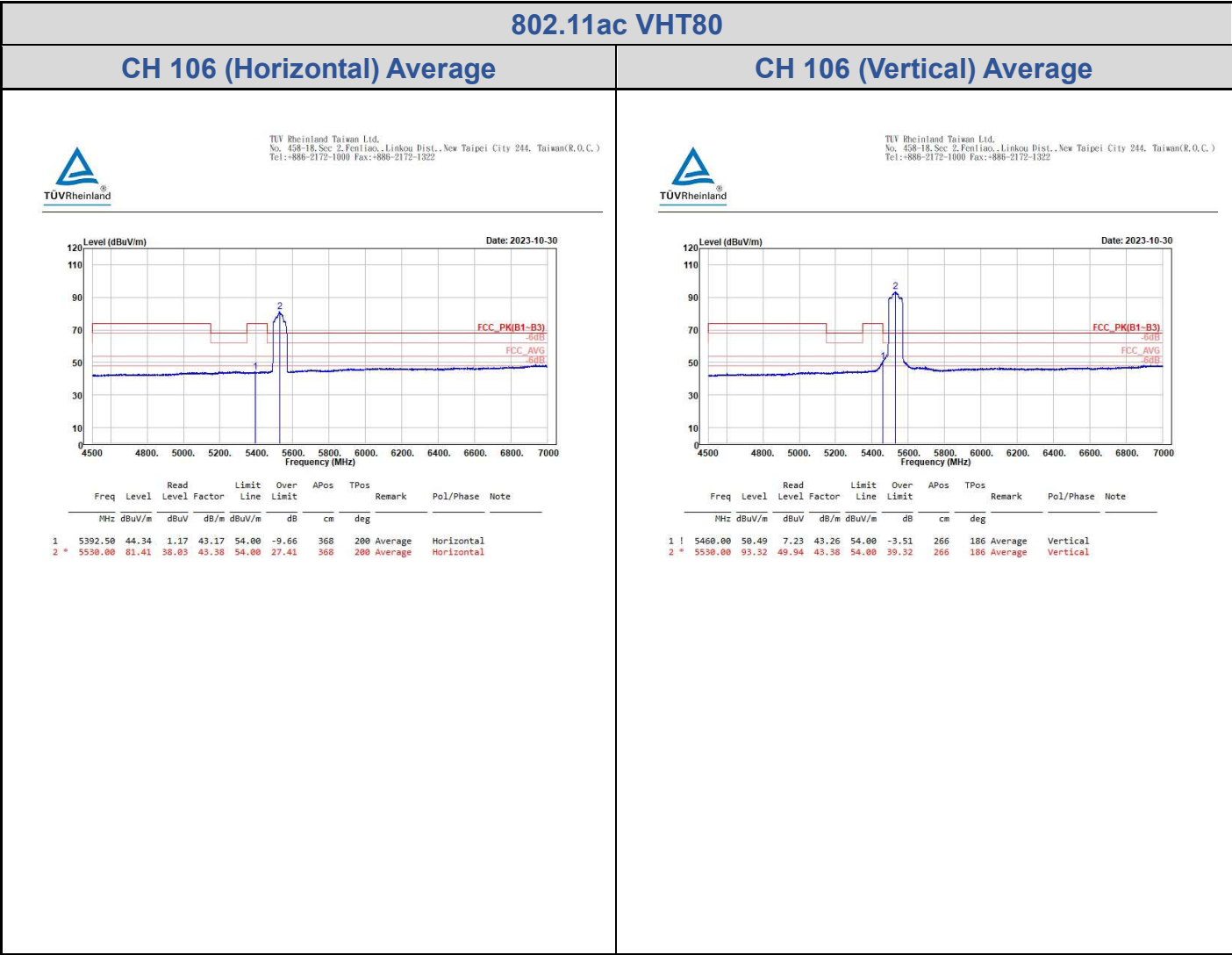












Mask, 4.5 ~ 7GHz
U-NII-3

802.11a

CH 149 (Horizontal) Peak

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

Level (dBuV/m) Date: 2023-10-27

Frequency (MHz)

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	5629.50	57.80	14.39	43.41	68.20	-10.40	262	216 Peak	Horizontal	
2	5700.00	70.21	26.55	43.66	105.20	-34.99	262	216 Peak	Horizontal	
3	5720.00	82.38	38.70	43.68	110.80	-28.42	262	216 Peak	Horizontal	
4	5723.50	89.53	45.85	43.68	124.24	-34.71	262	216 Peak	Horizontal	
5	5745.00	110.72	67.02	43.70	130.00	-19.28	262	216 Peak	Horizontal	
6	5852.00	58.13	14.14	43.99	122.32	-64.19	262	216 Peak	Horizontal	
7	5855.50	56.91	12.90	44.01	118.66	-53.75	262	216 Peak	Horizontal	
8	5918.50	58.83	13.84	44.19	72.59	-14.96	262	216 Peak	Horizontal	
9	5965.00	57.95	13.57	44.38	68.20	-10.25	262	216 Peak	Horizontal	

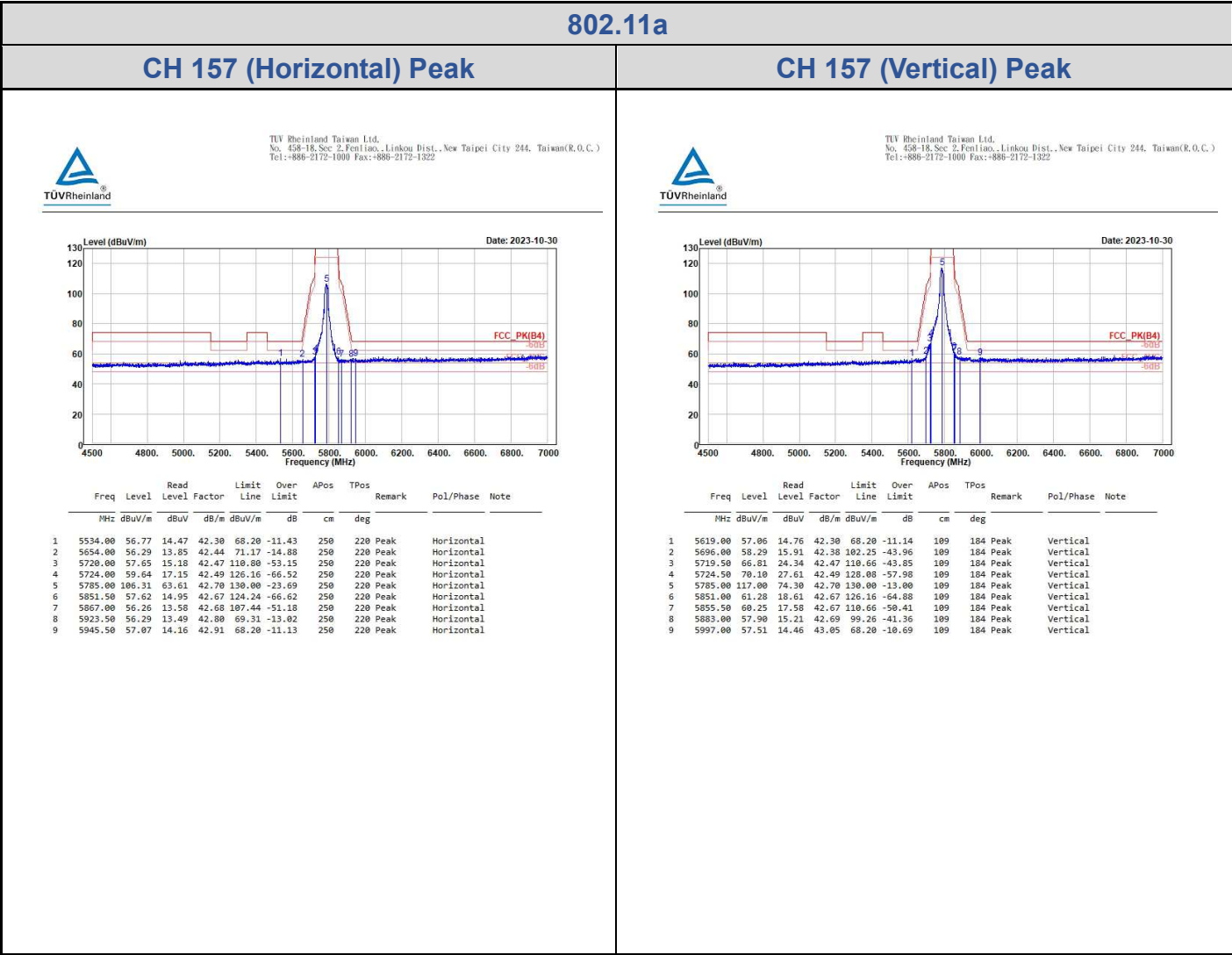
CH 149 (Vertical) Peak

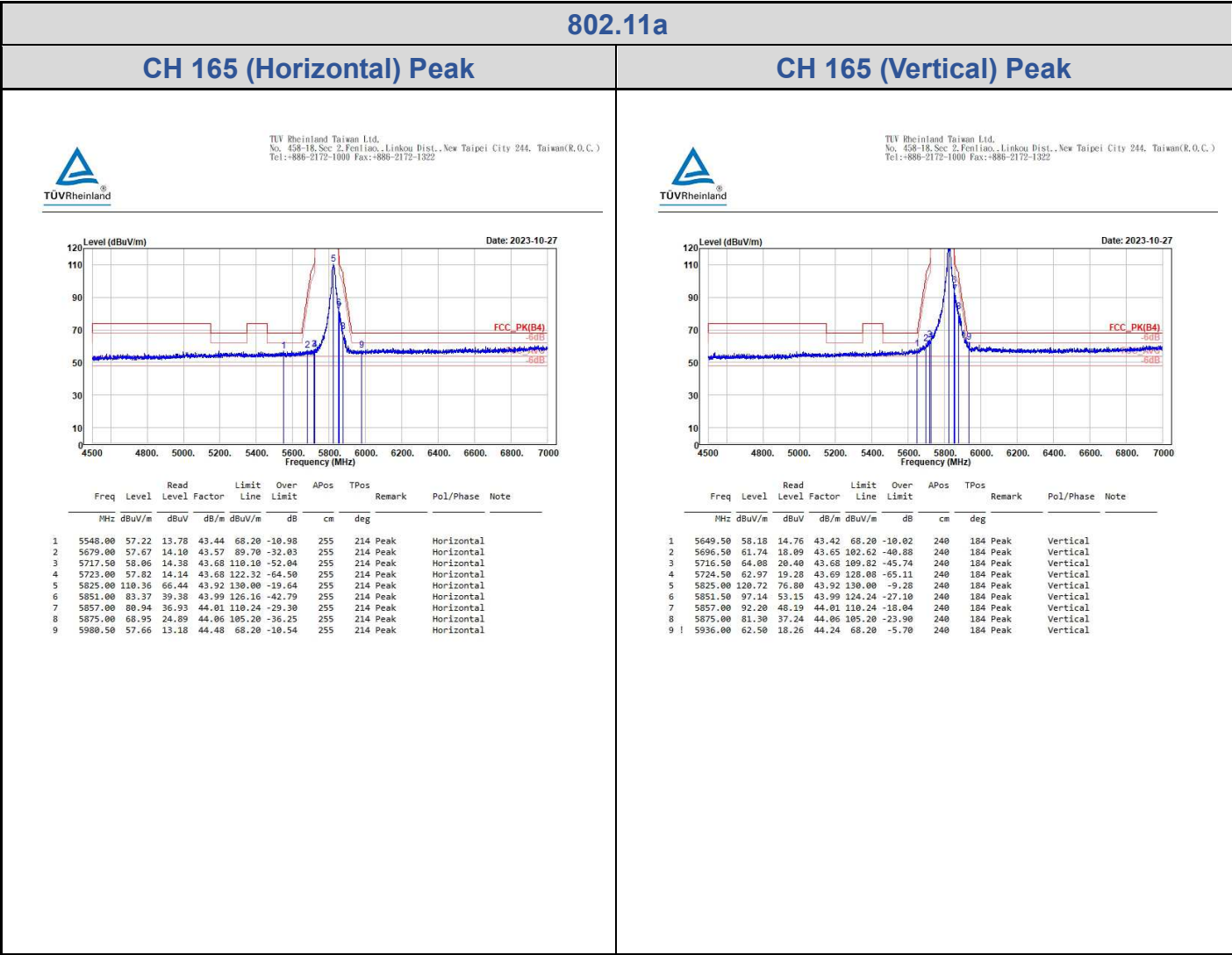
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322

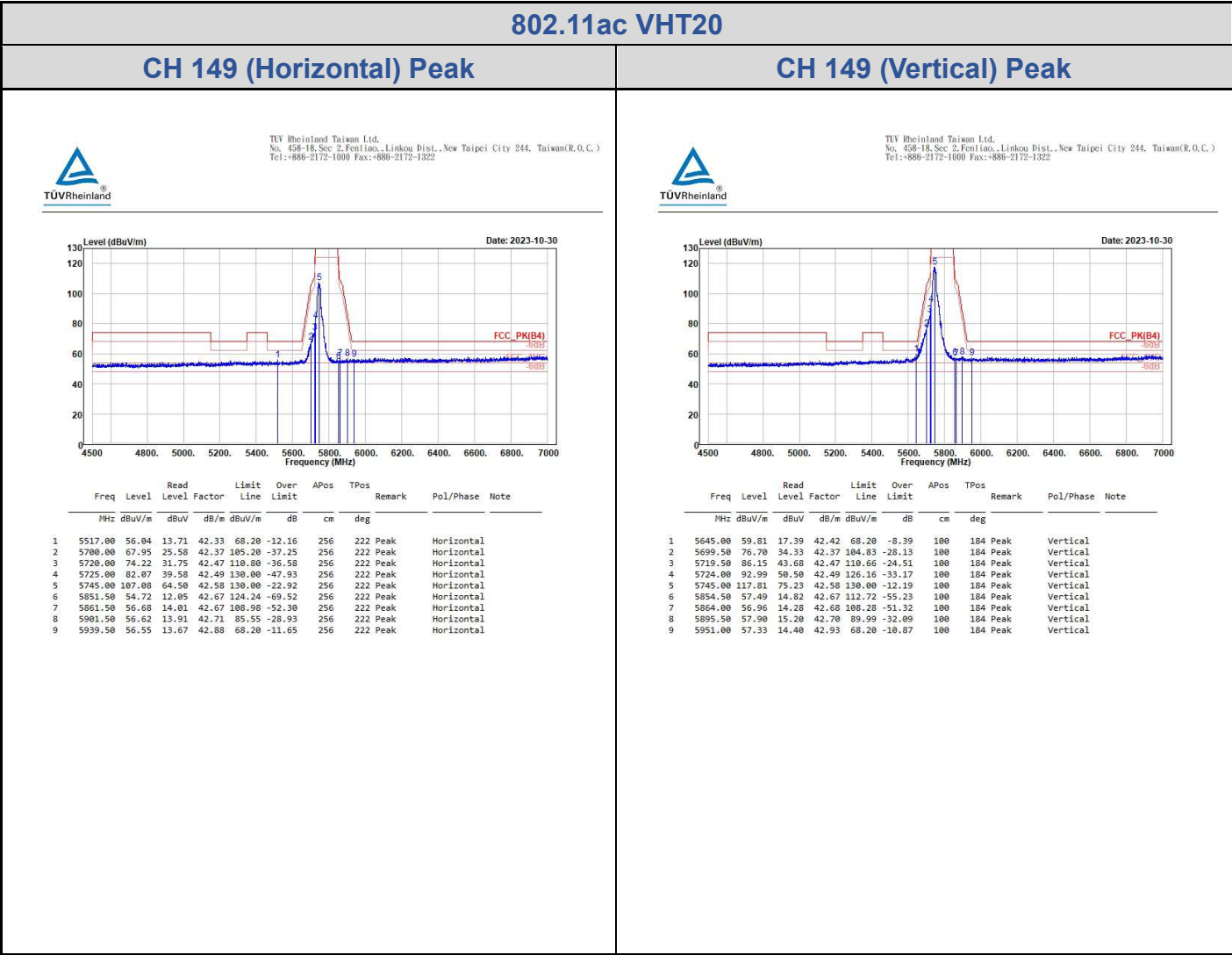
Level (dBuV/m) Date: 2023-10-27

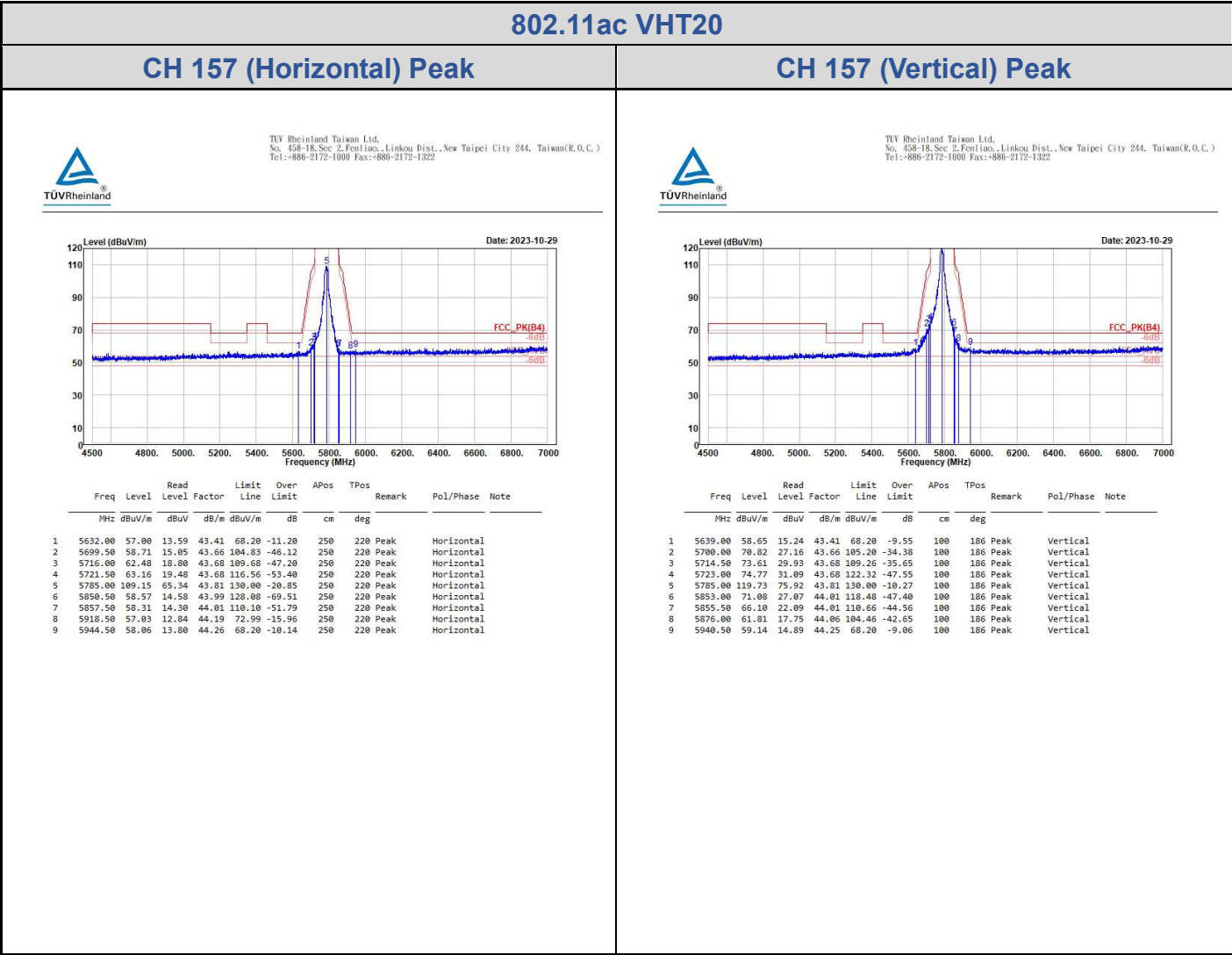
Frequency (MHz)

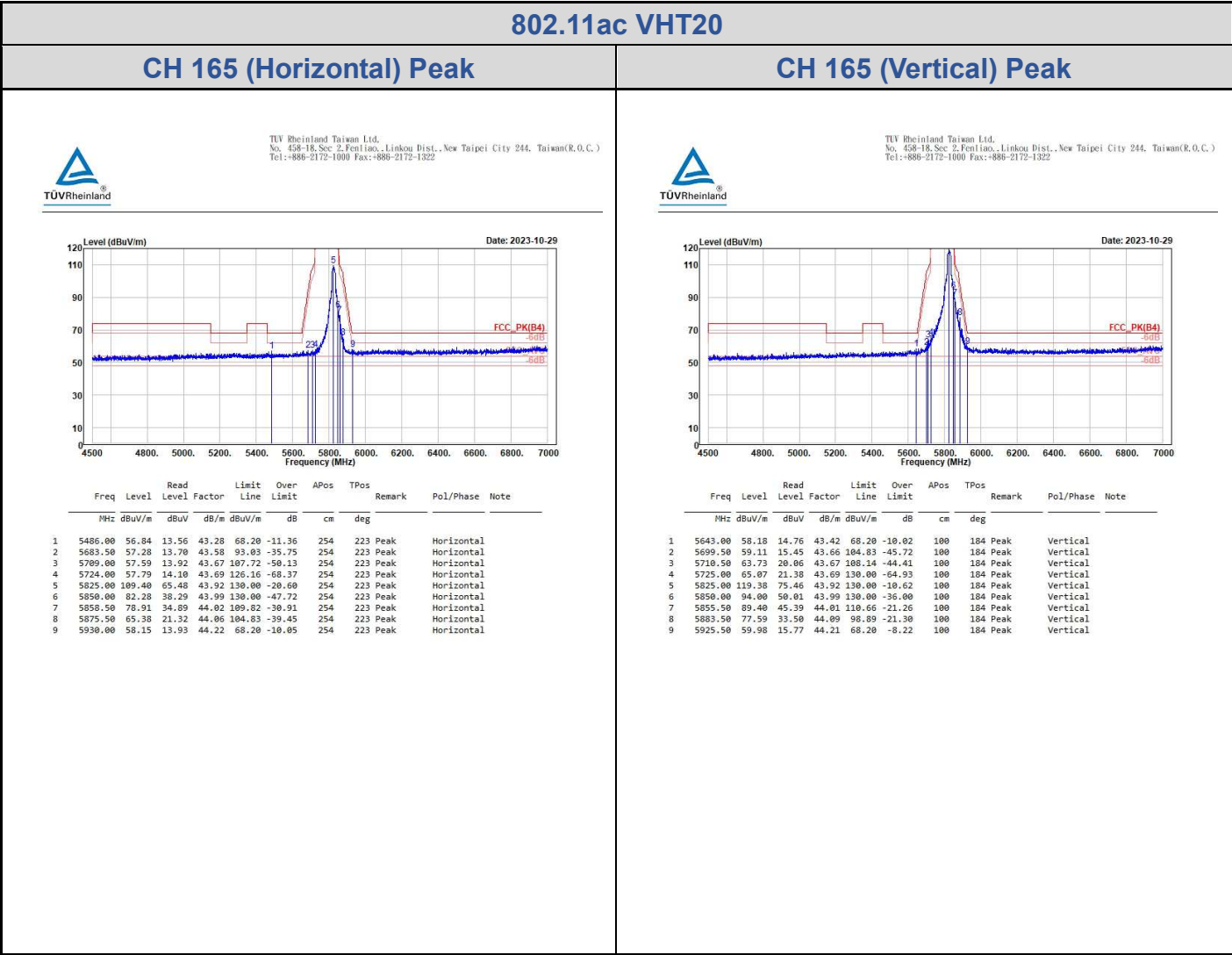
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	5648.50	66.69	23.27	43.42	68.20	-1.51	100	184 Peak	Vertical	
2	5699.50	81.53	37.87	43.66	104.83	-23.30	100	184 Peak	Vertical	
3	5720.00	95.00	52.12	43.68	110.80	-15.00	100	184 Peak	Vertical	
4	5725.00	99.42	55.73	43.69	130.00	-30.58	100	184 Peak	Vertical	
5	5745.00	121.44	77.74	43.70	130.00	-8.56	100	184 Peak	Vertical	
6	5850.00	59.31	15.32	43.99	130.00	-70.69	100	184 Peak	Vertical	
7	5870.00	59.77	15.72	44.05	106.60	-46.83	100	184 Peak	Vertical	
8	5896.00	59.79	15.67	44.12	89.62	-29.83	100	184 Peak	Vertical	
9	5938.00	59.38	15.13	44.25	68.20	-8.82	100	184 Peak	Vertical	

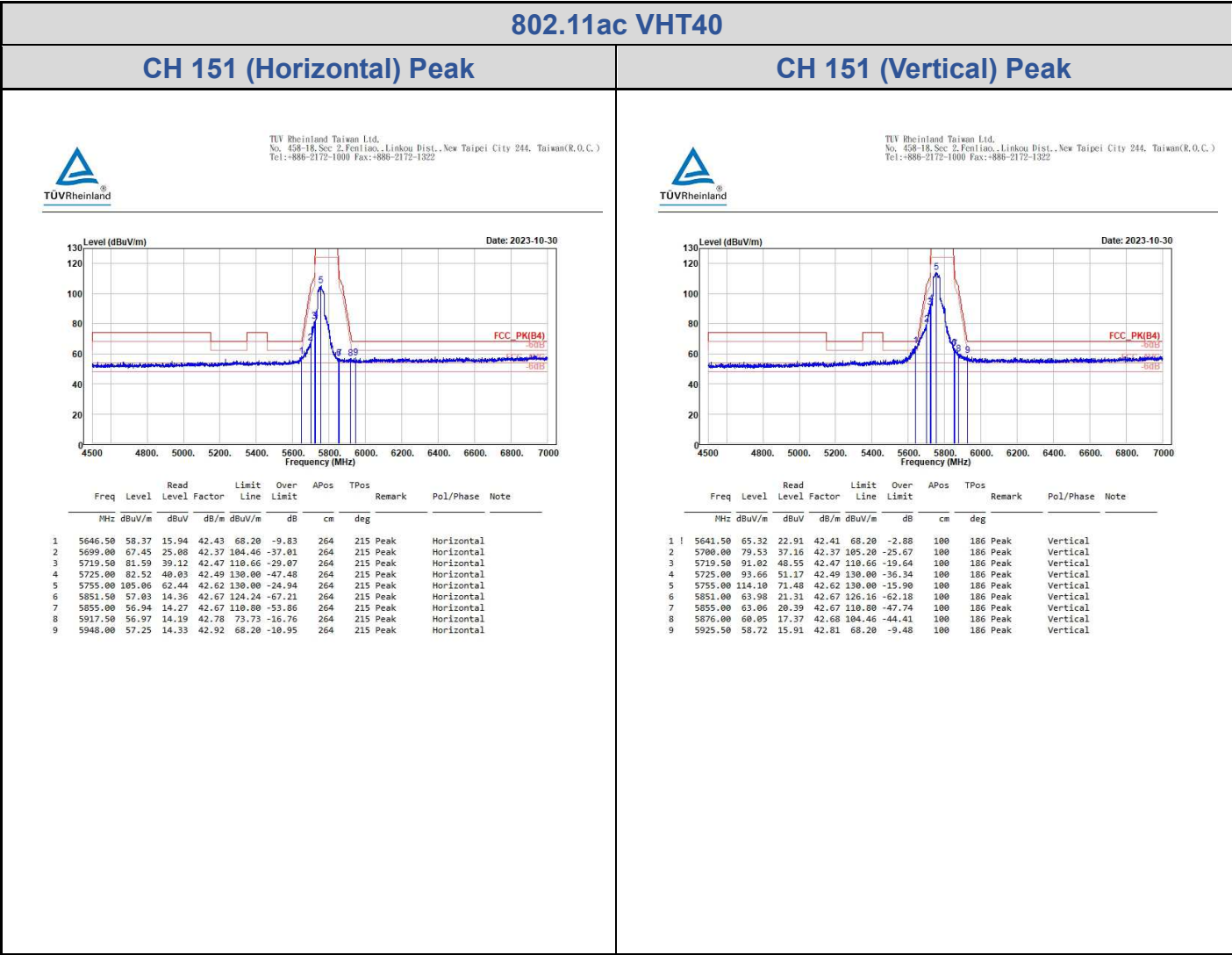


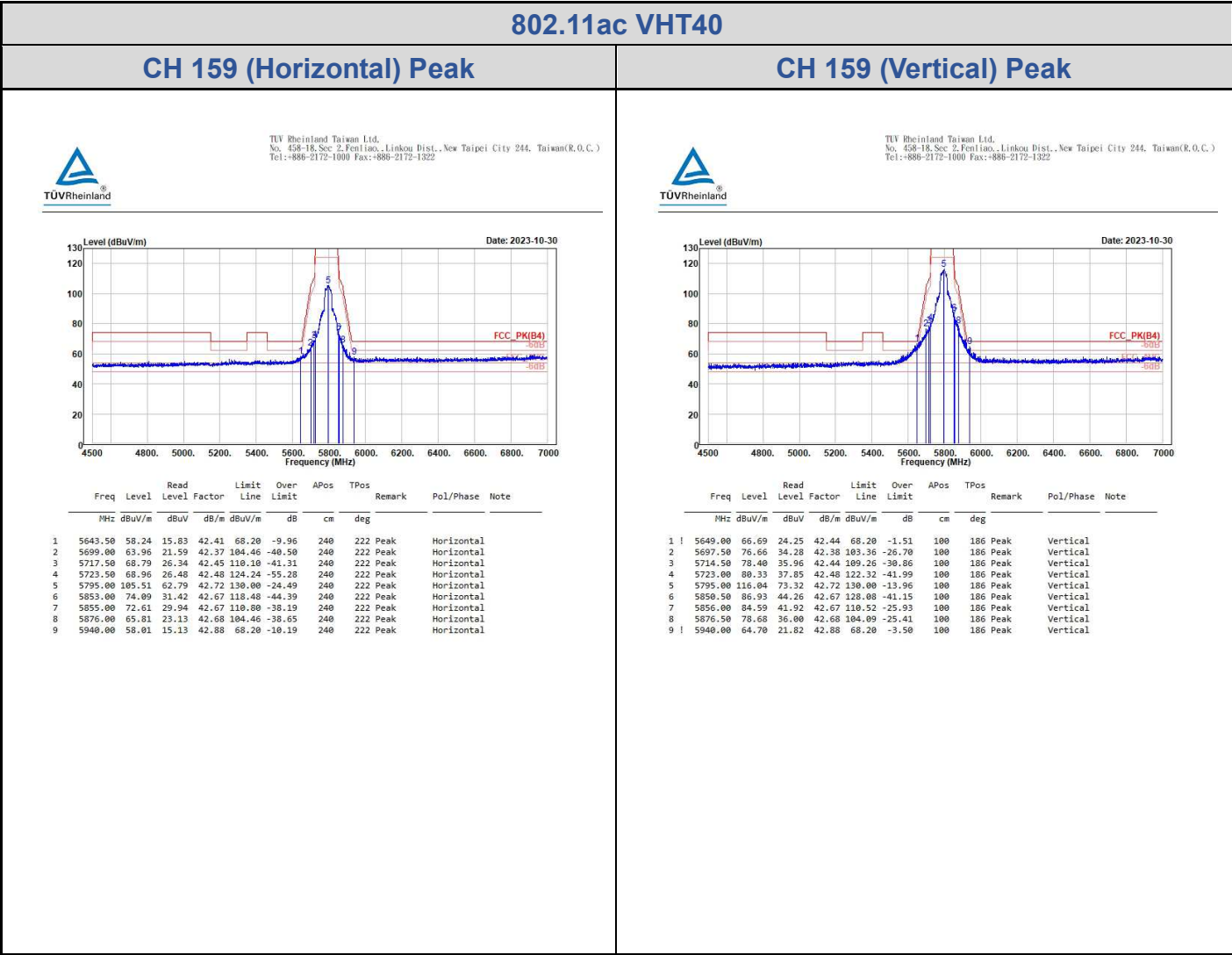


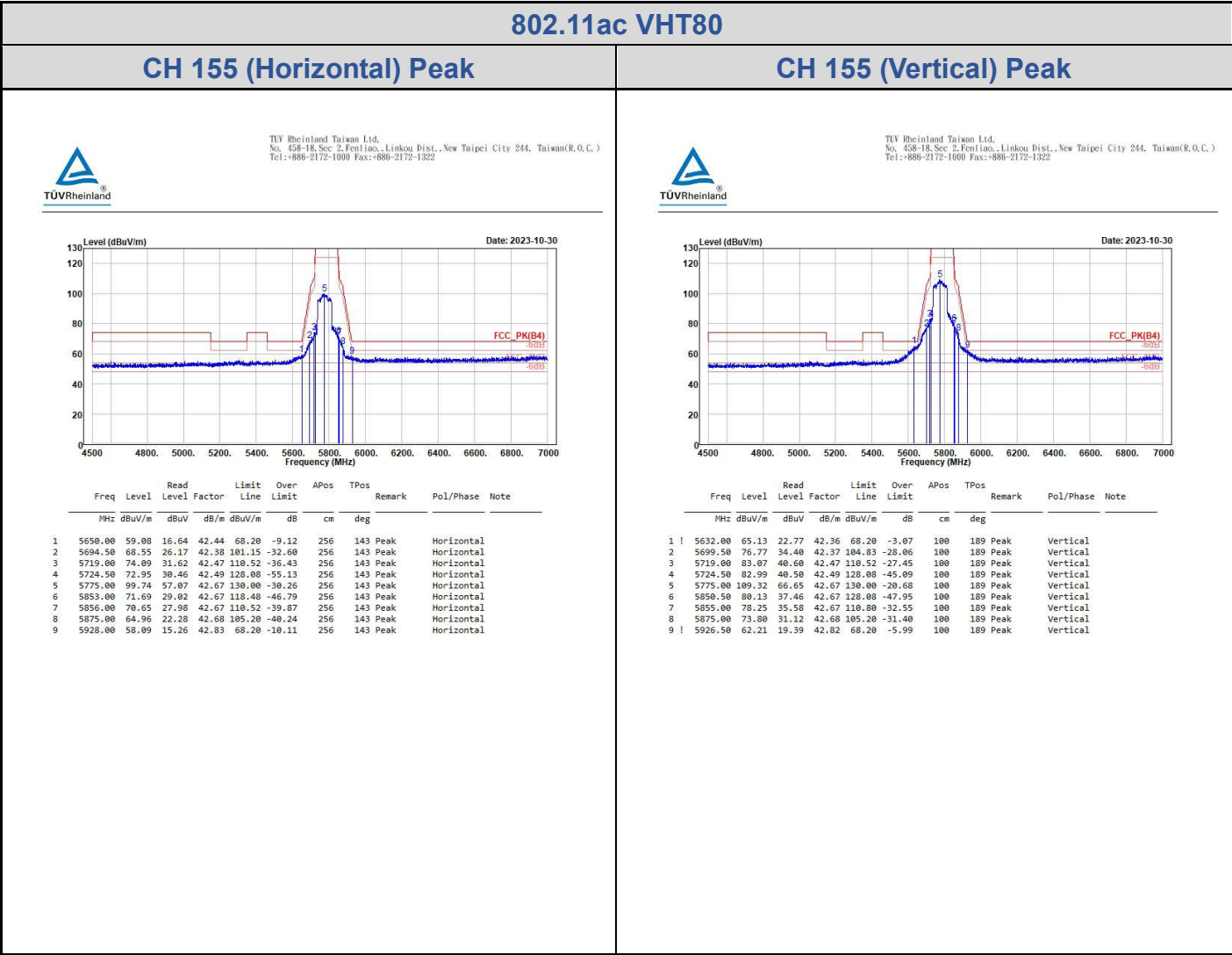












Spurious Emissions, Tx Mode, 9kHz ~30MHz

U-NII-1

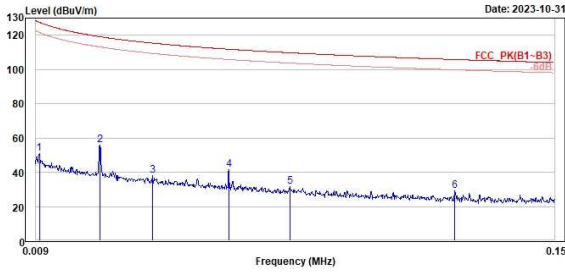
802.11ac VHT40

CH 38(Open) (9kHz ~ 150kHz)

CH 38(Open) (150kHz ~ 30MHz)



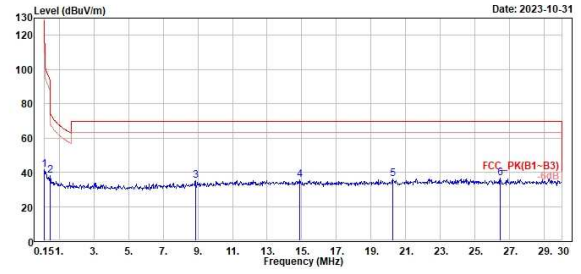
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fentiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.01	50.70	32.98	17.72	127.60	-76.90	100	246 Peak	Open
2	0.03	56.00	37.05	18.95	119.13	-63.13	100	333 Peak	Open
3	0.04	38.02	18.06	19.16	115.39	-77.37	100	191 Peak	Open
4	0.06	41.63	22.78	18.85	111.82	-70.19	100	253 Peak	Open
5	0.08	31.79	13.34	18.45	109.74	-77.95	100	125 Peak	Open
6	0.12	28.98	10.96	18.02	105.80	-76.82	100	272 Peak	Open

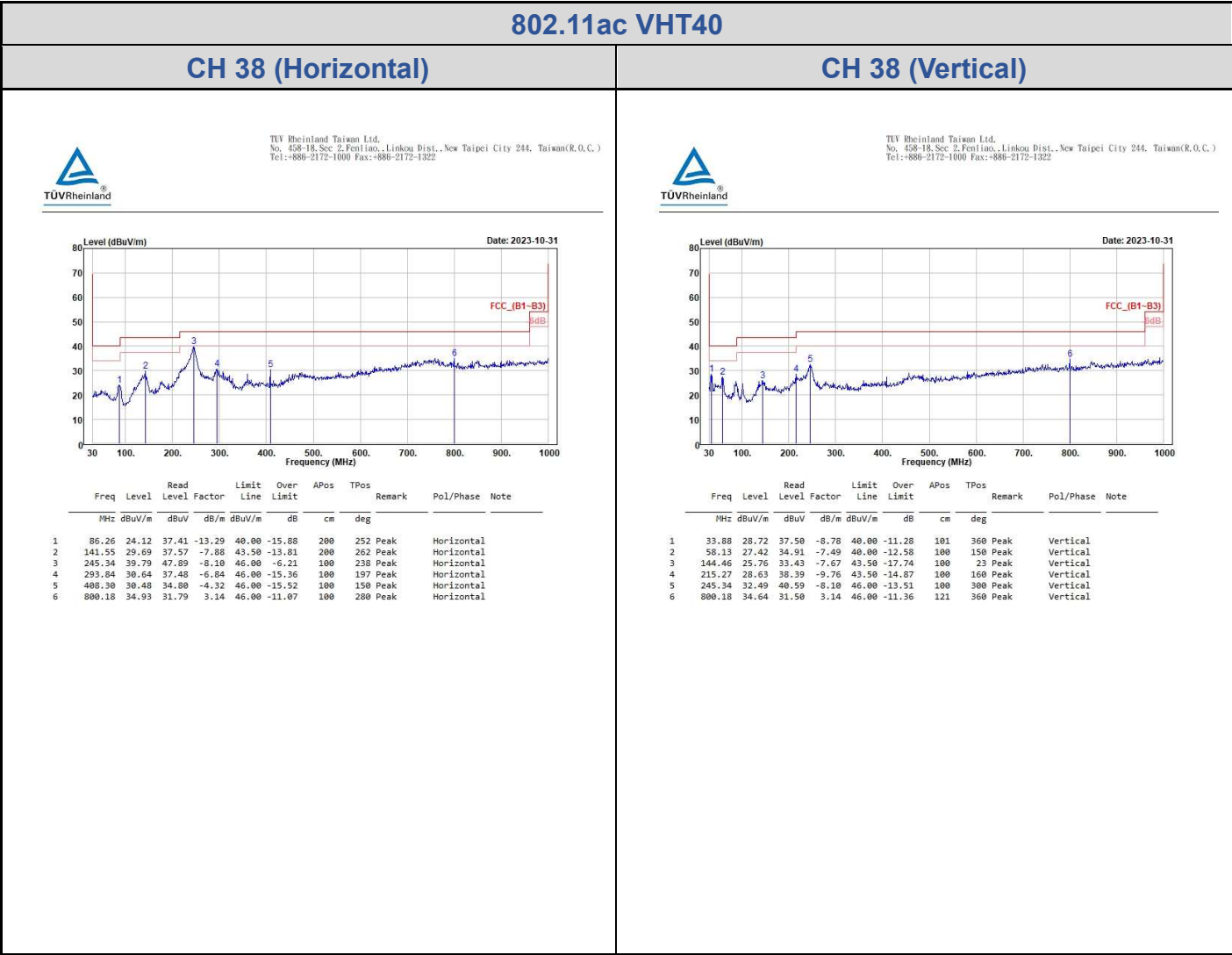


TÜV Rheinland Taiwan Ltd.
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Tel: +886-2172-1000 Fax: +886-2172-1322



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	41.72	23.59	18.13	104.08	-62.36	100	40 Peak	Open
2	0.48	38.15	19.31	18.84	94.01	-55.06	100	250 Peak	Open
3	0.87	34.90	13.89	21.09	69.50	-34.52	100	232 Peak	Open
4	14.90	35.39	13.50	21.89	69.50	-34.11	100	100 Peak	Open
5	20.24	36.02	13.78	22.24	69.50	-33.48	100	249 Peak	Open
6	26.45	36.52	14.22	22.30	69.50	-32.98	100	194 Peak	Open

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



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

802.11a

CH 36 (Horizontal)

TÜVRheinland

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

Level (dBuV/m)

120

110

90

70

50

30

10

0

1000

4000

6000

8000

12000

16000

20000

24000

28000

32000

36000

40000

Frequency (MHz)

1

FCC_PK(B1-B3)

40dB

FCC_AVG

-60dB

Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	Level	Line	Limit					
		Factor							
			dB/m	dBuV/m	dB	cm	deg		
1	10360.00	42.37	47.08	-4.71	68.20	-25.83	177	360 Peak	Horizontal

CH 36 (Vertical)

TÜVRheinland

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

Level (dBuV/m)

120

110

90

70

50

30

10

0

1000

4000

6000

8000

12000

16000

20000

24000

28000

32000

36000

40000

Frequency (MHz)

1

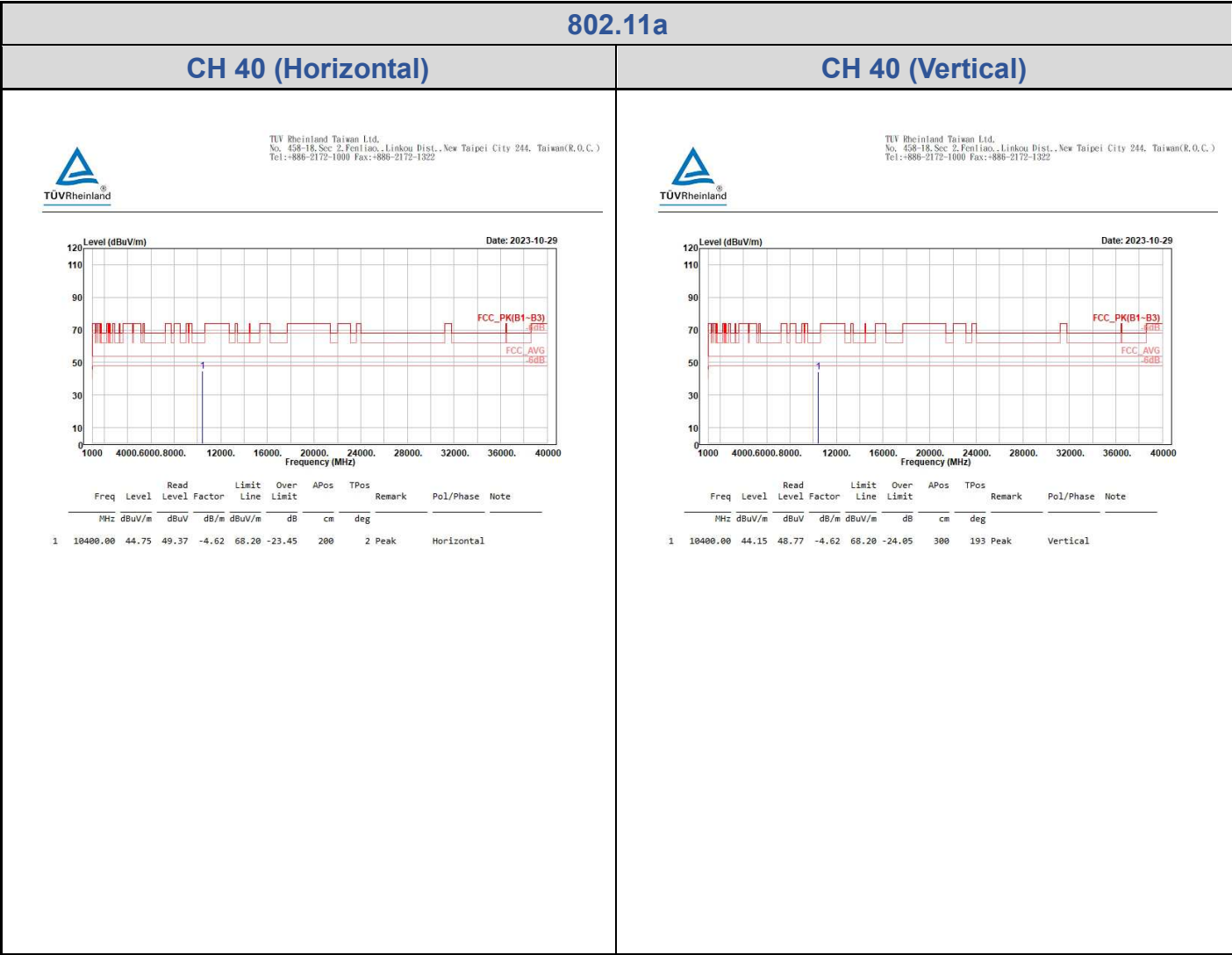
FCC_PK(B1-B3)

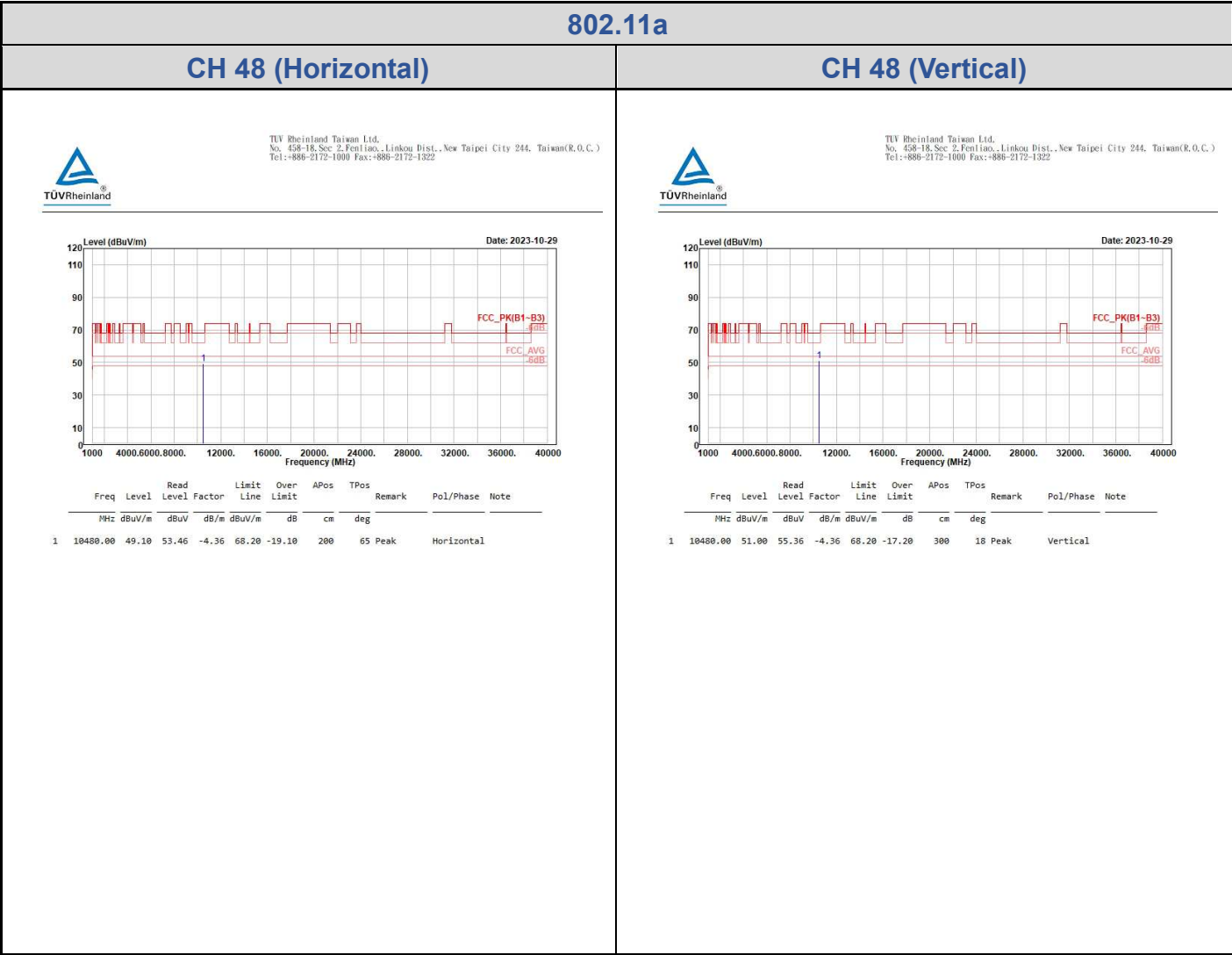
40dB

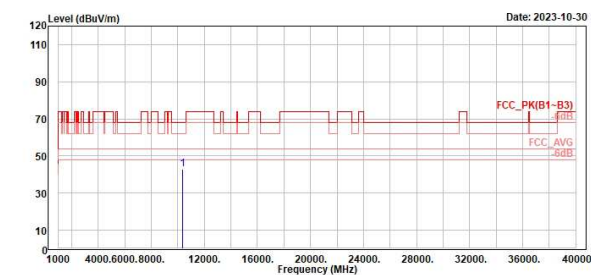
FCC_AVG

-60dB

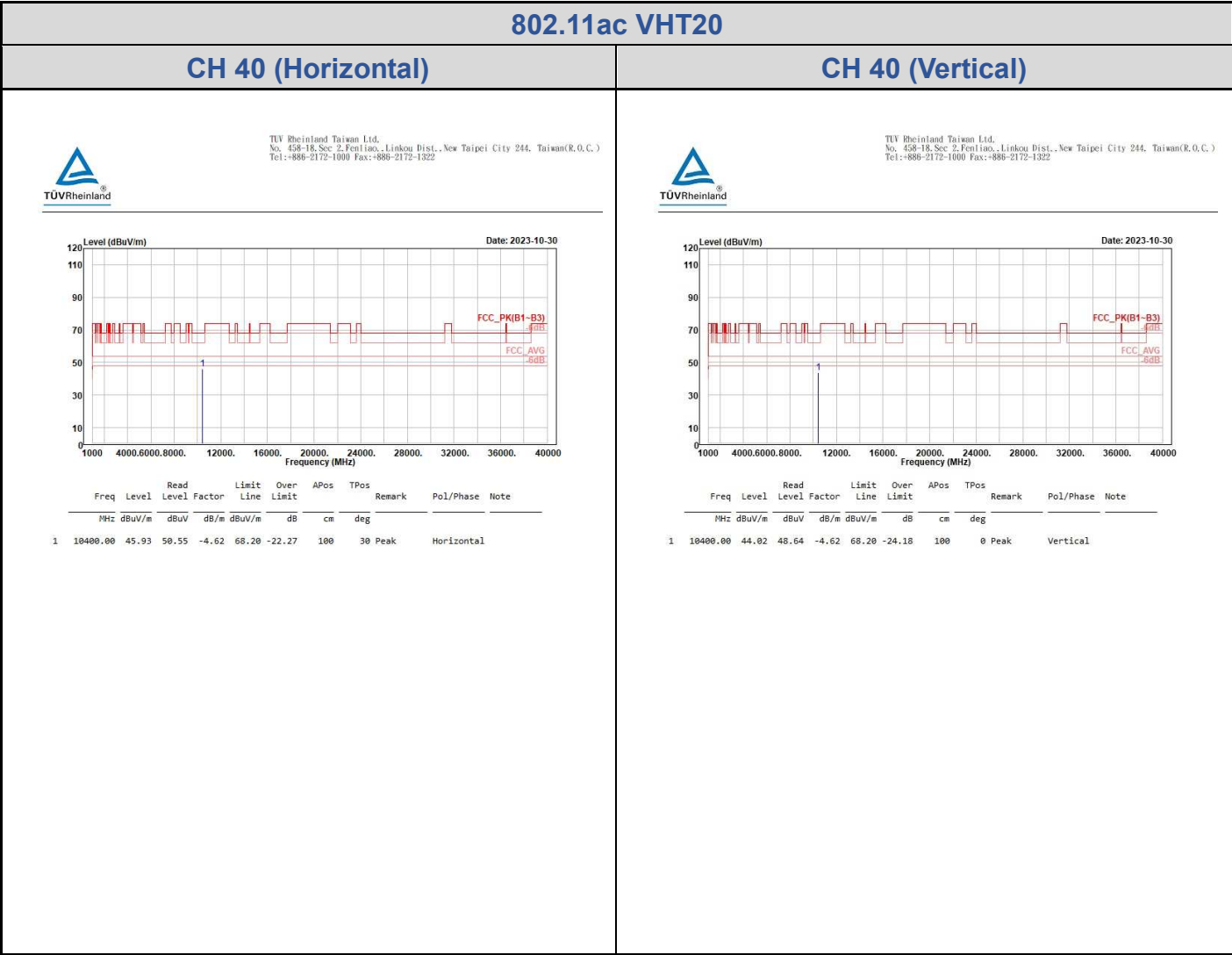
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	Level	Line	Limit					
		Factor							
			dB/m	dBuV/m	dB	cm	deg		
1	10360.00	43.30	48.01	-4.71	68.20	-24.90	300	142 Peak	Vertical

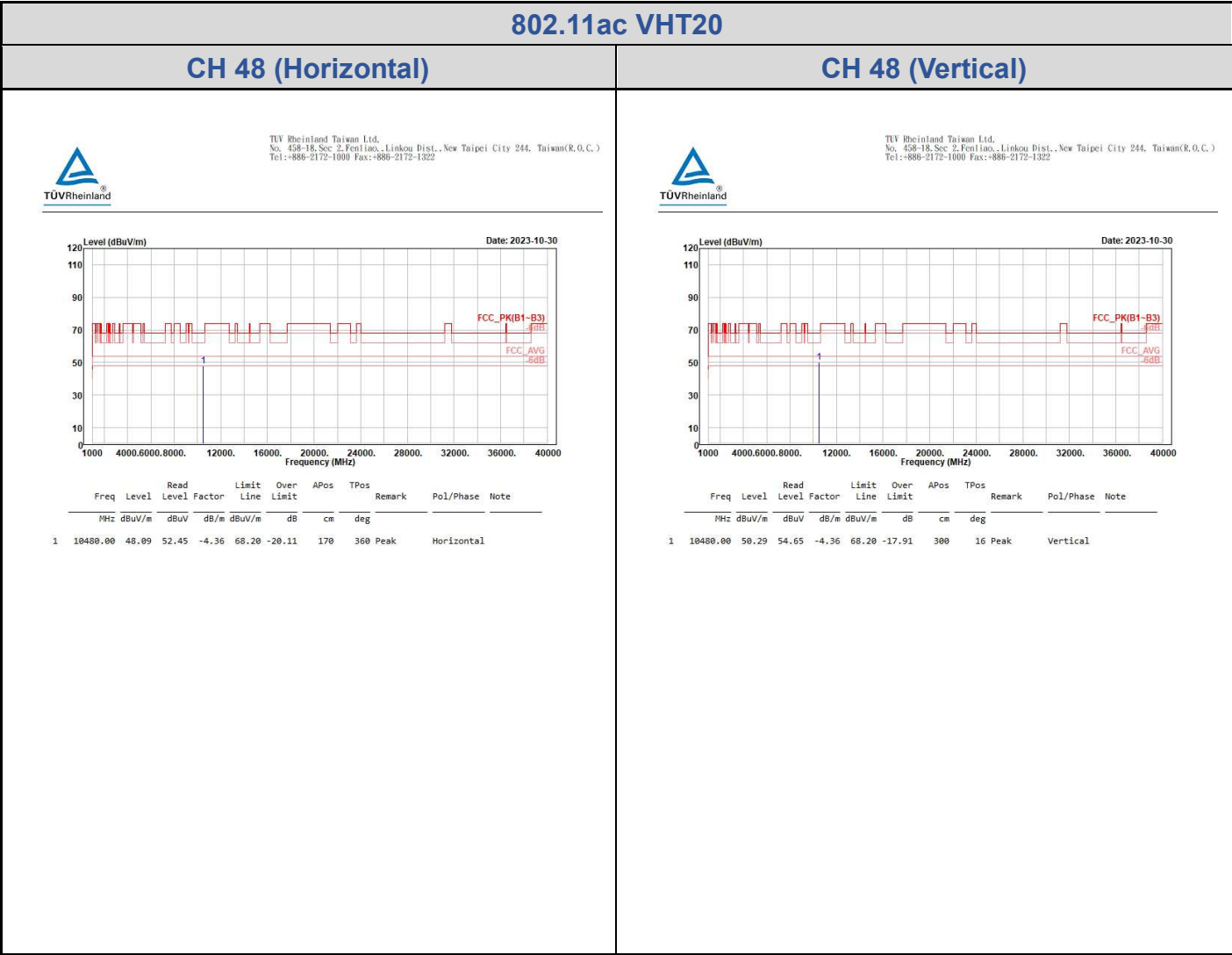


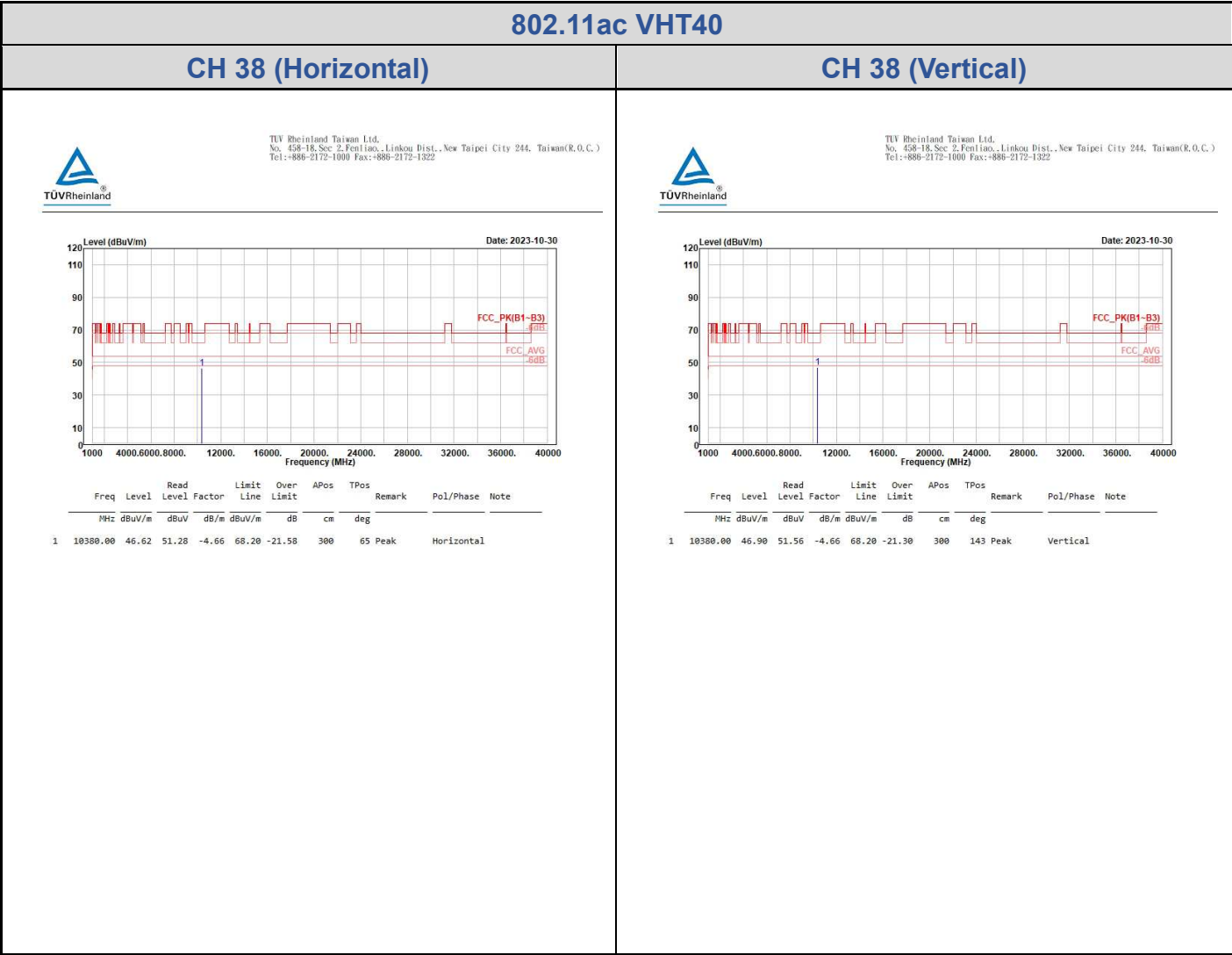


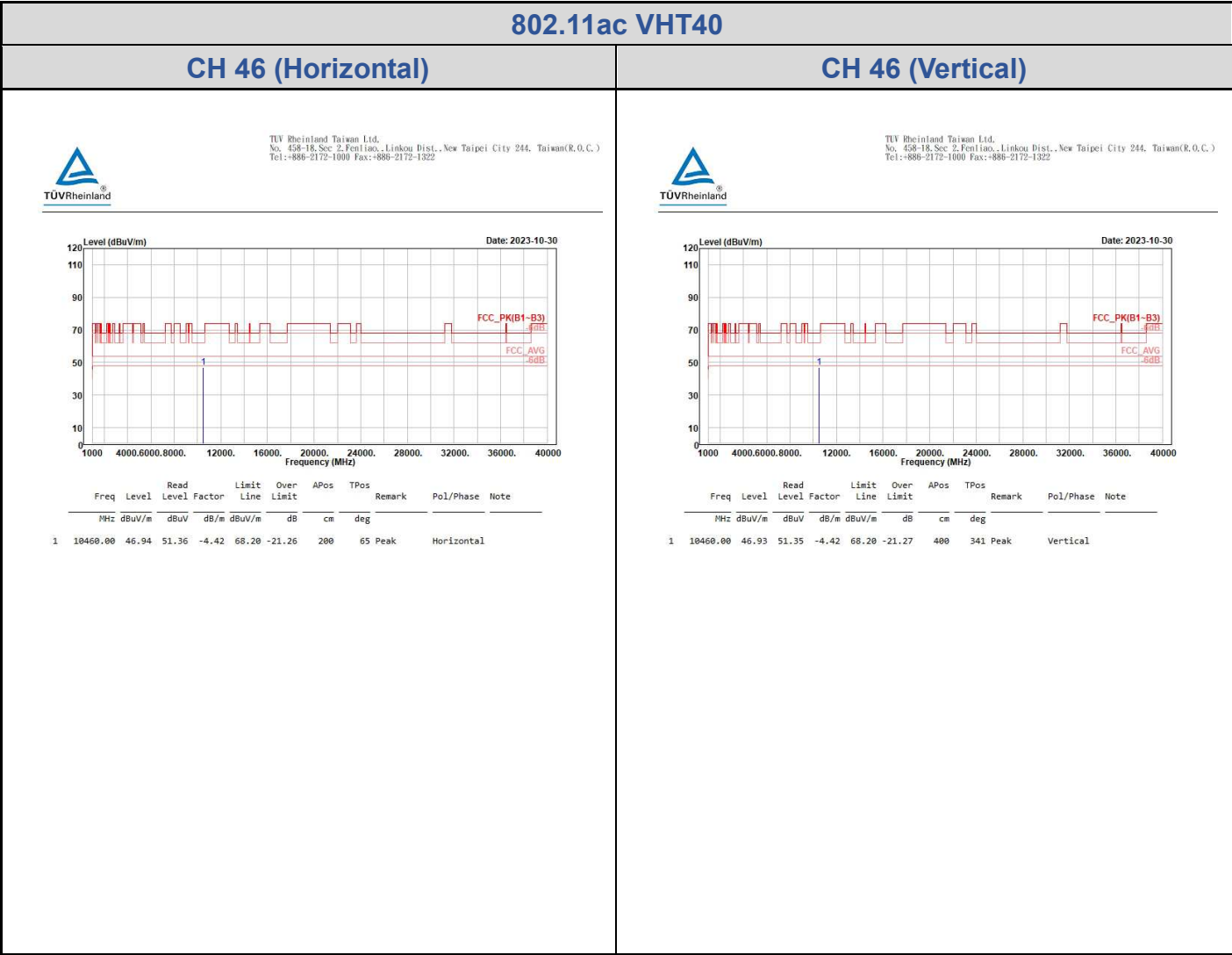


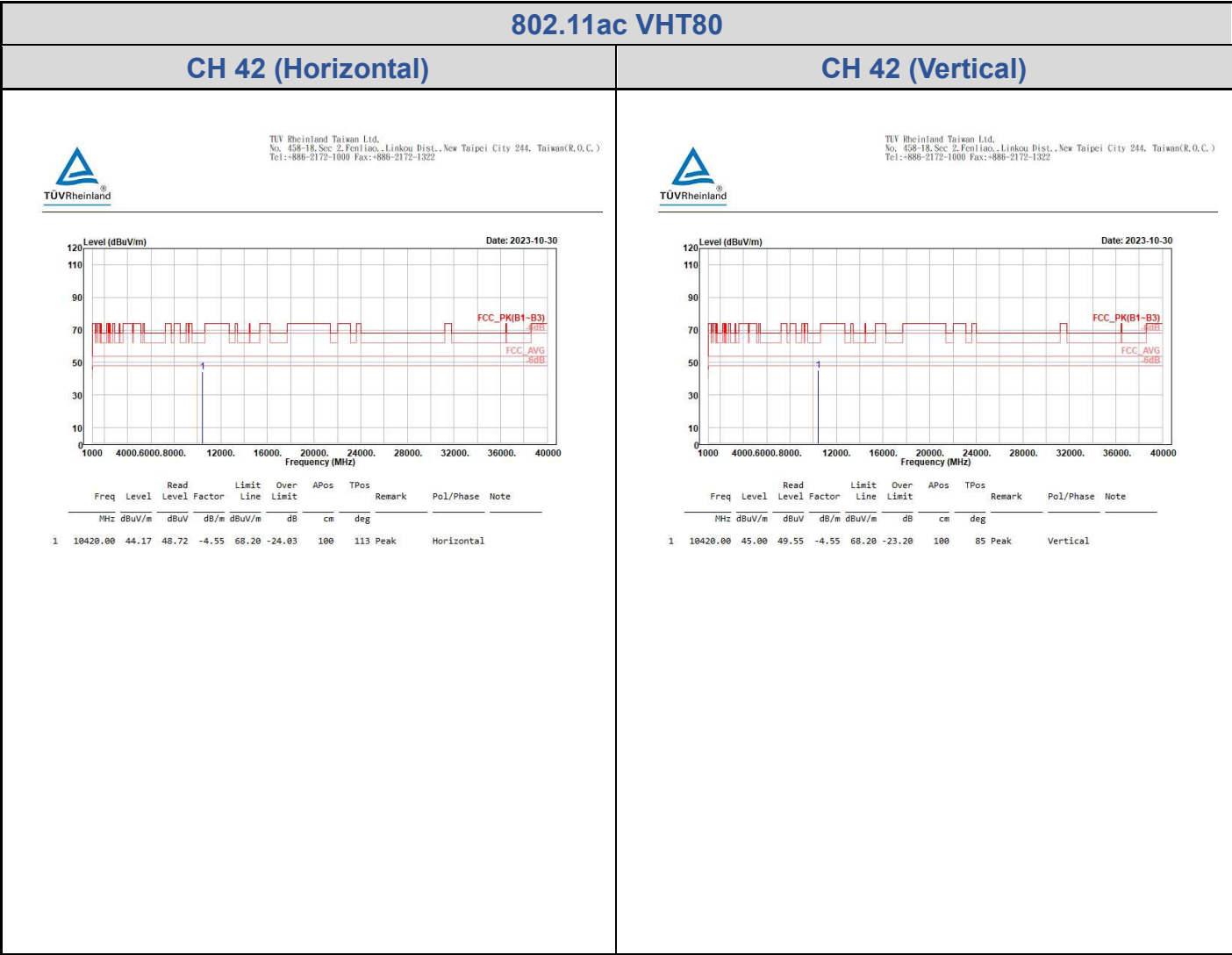
	Freq	Level	Read Level Factor	Limit Line	Over Limit	Apos	Tpos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	10360.00	42.84	47.55	-4.71	68.20	-25.36	267	0 Peak	Vertical	











U-NII-2A

802.11a

CH 52 (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

Level (dBuV/m) Date: 2023-10-29

1000 4000.6000.8000. 12000. 16000. 20000. 24000. 28000. 32000. 36000. 40000

Frequency (MHz)

FCC_PK(B1-B3)
FCC_AVG
dBm

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	10520.00	49.28	53.57	-4.29	68.20	-18.92	255	3 Peak	Horizontal	

CH 52 (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

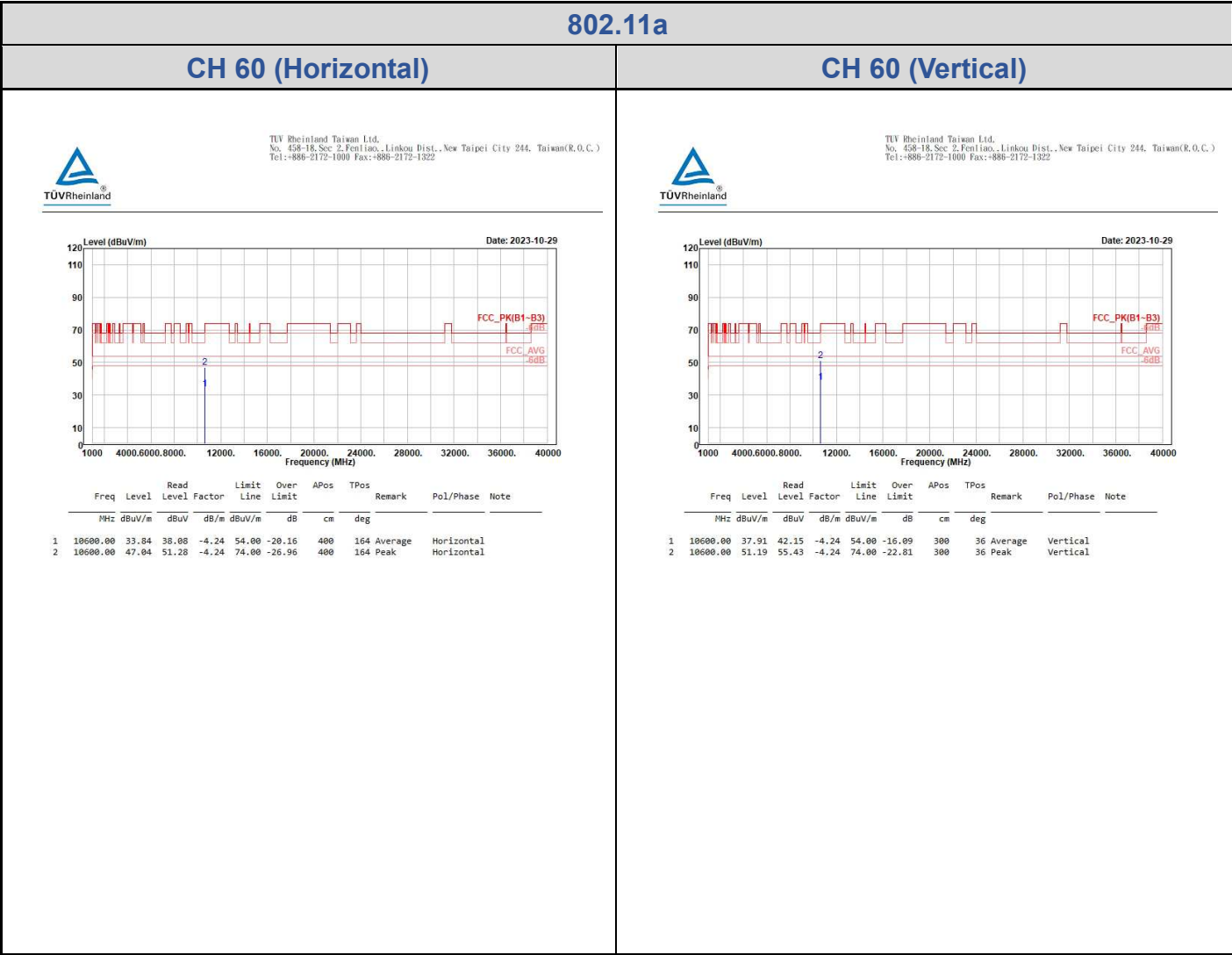
Level (dBuV/m) Date: 2023-10-29

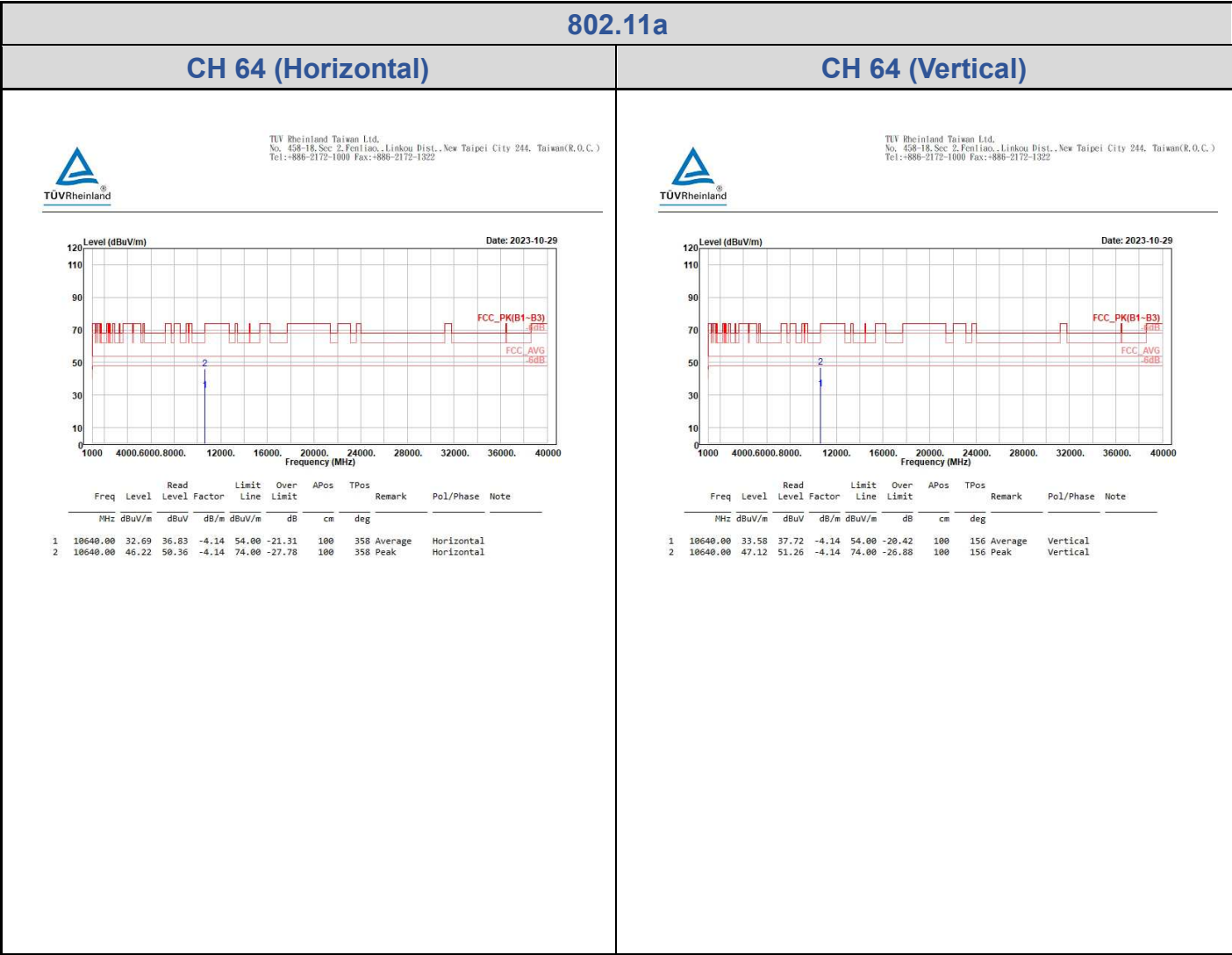
1000 4000.6000.8000. 12000. 16000. 20000. 24000. 28000. 32000. 36000. 40000

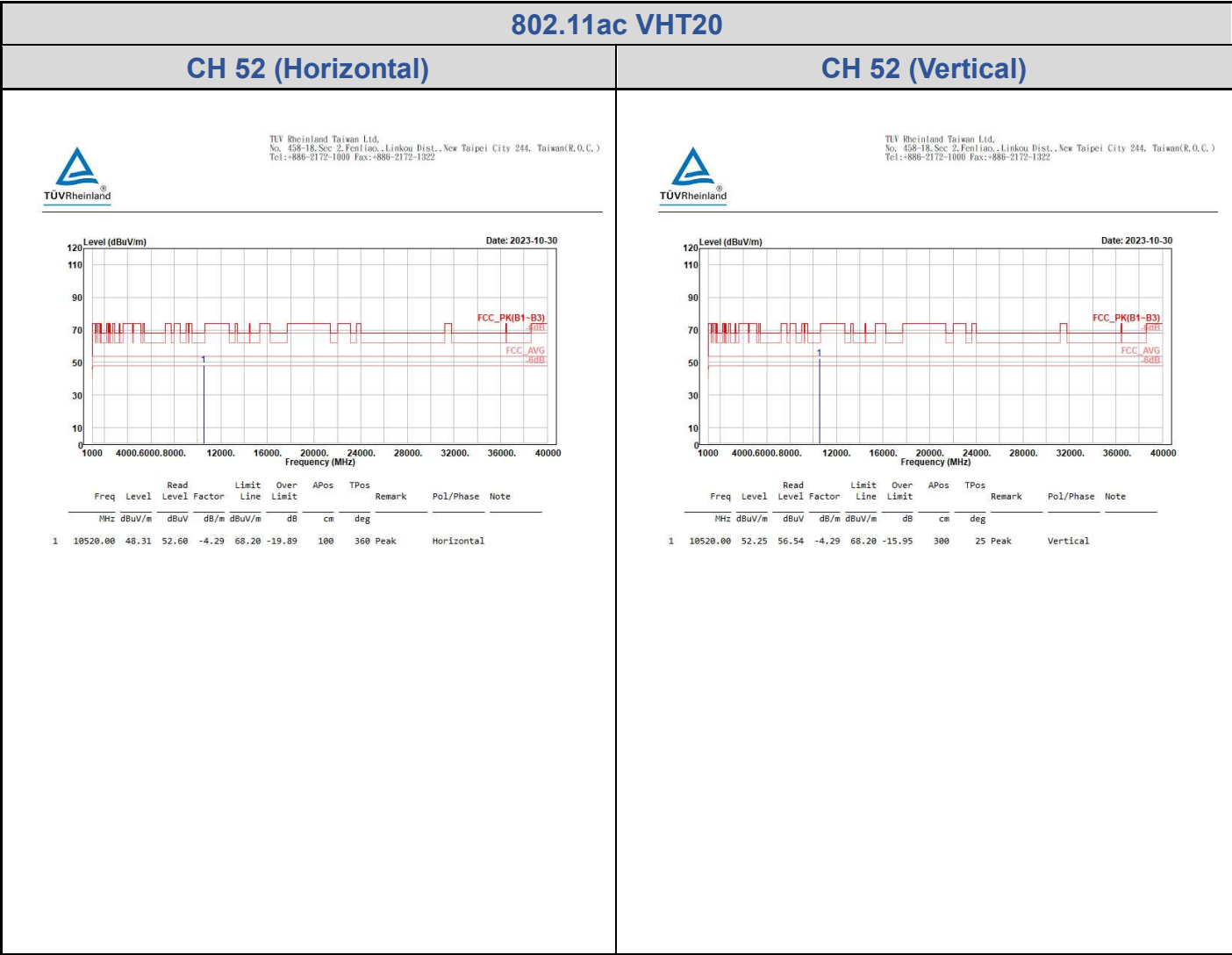
Frequency (MHz)

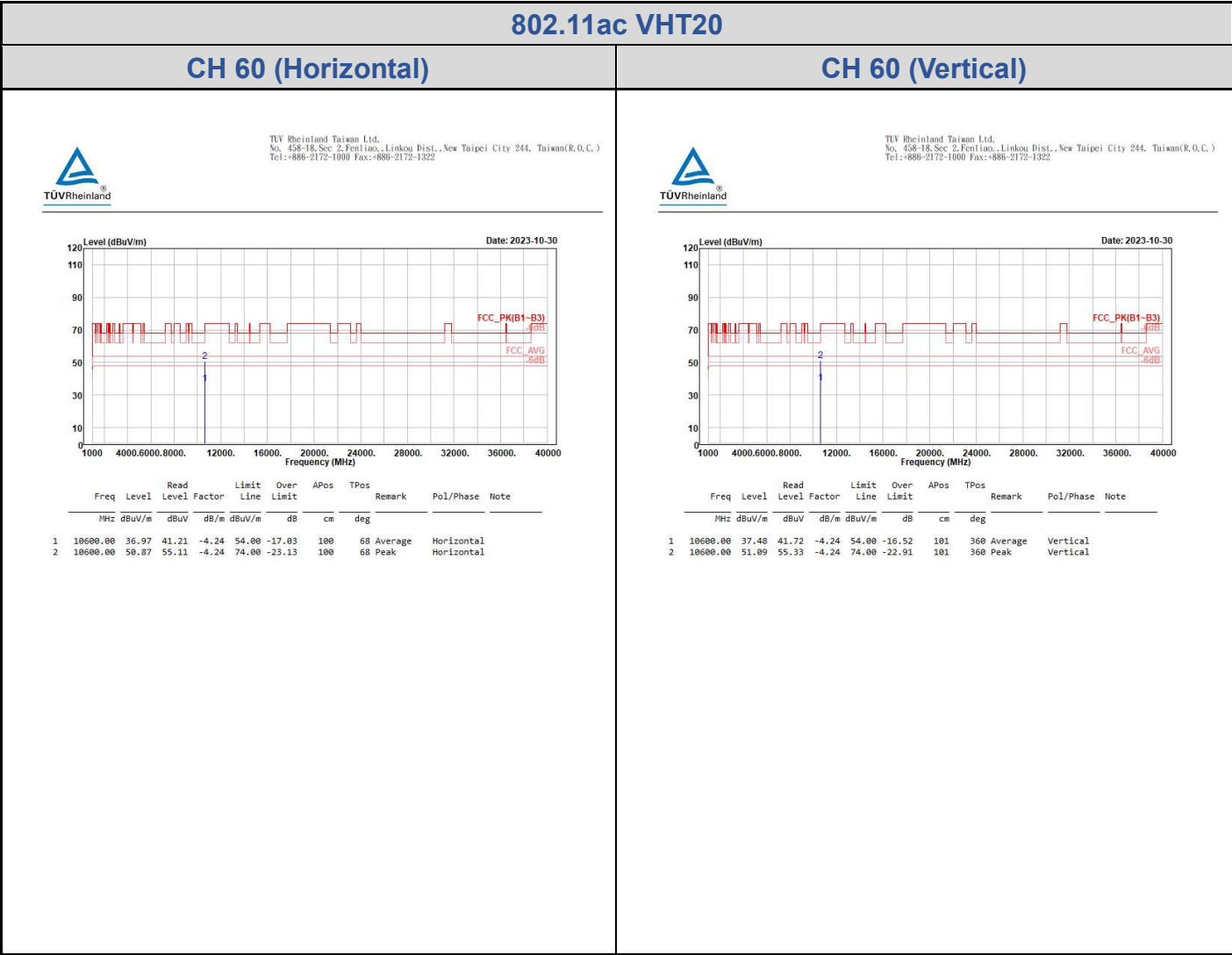
FCC_PK(B1-B3)
FCC_AVG
dBm

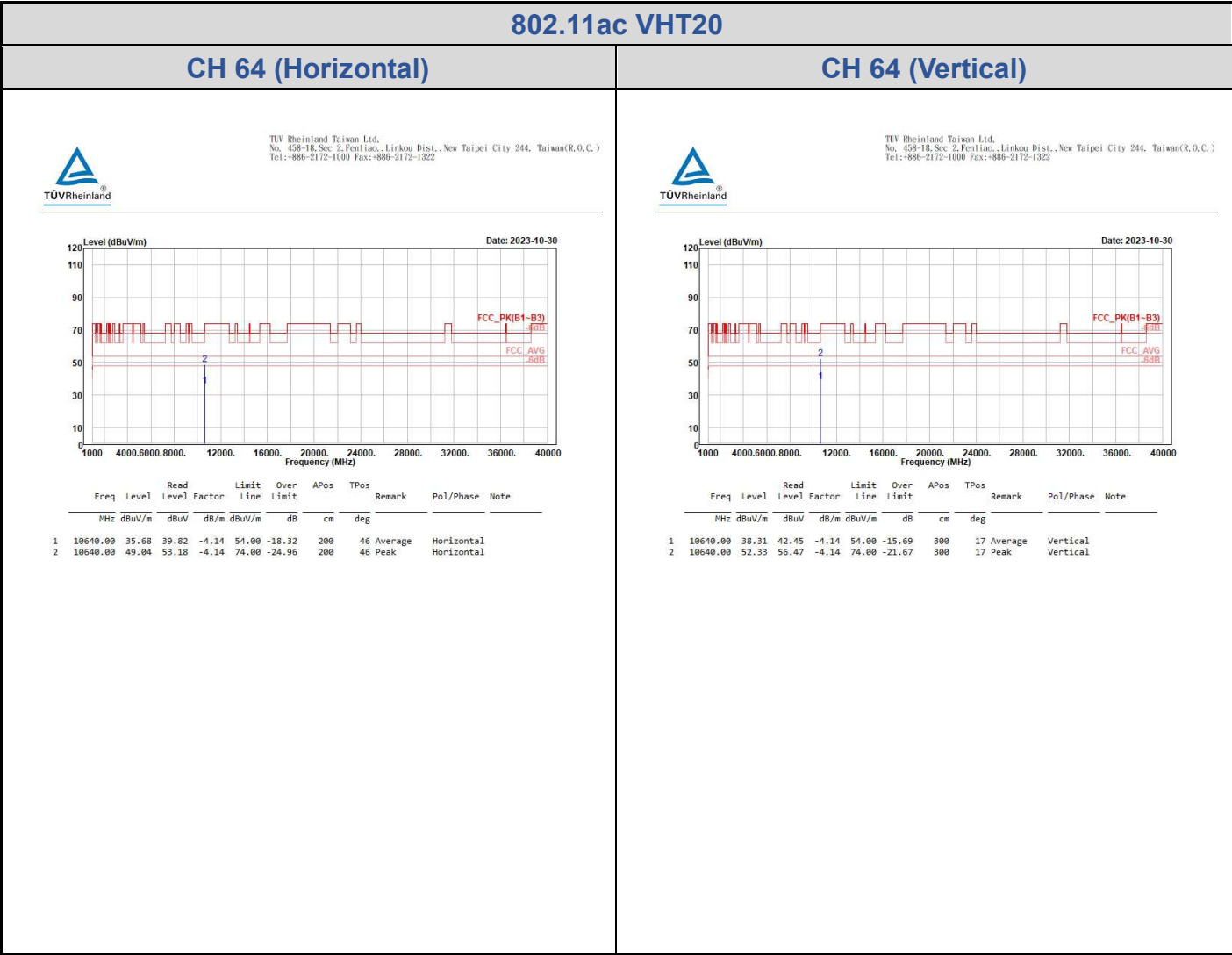
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	10520.00	50.36	54.65	-4.29	68.20	-17.84	300	24 Peak	Vertical	

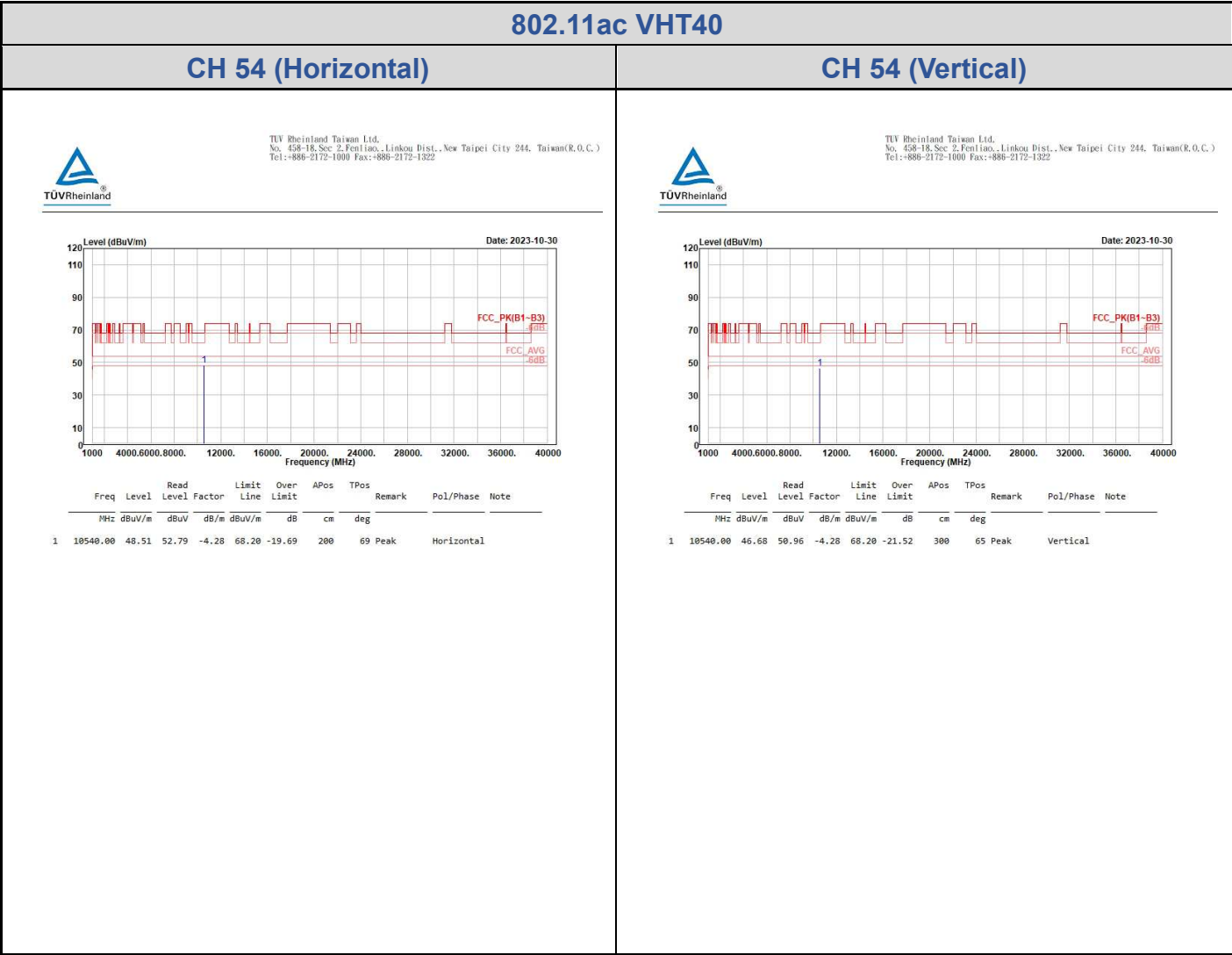


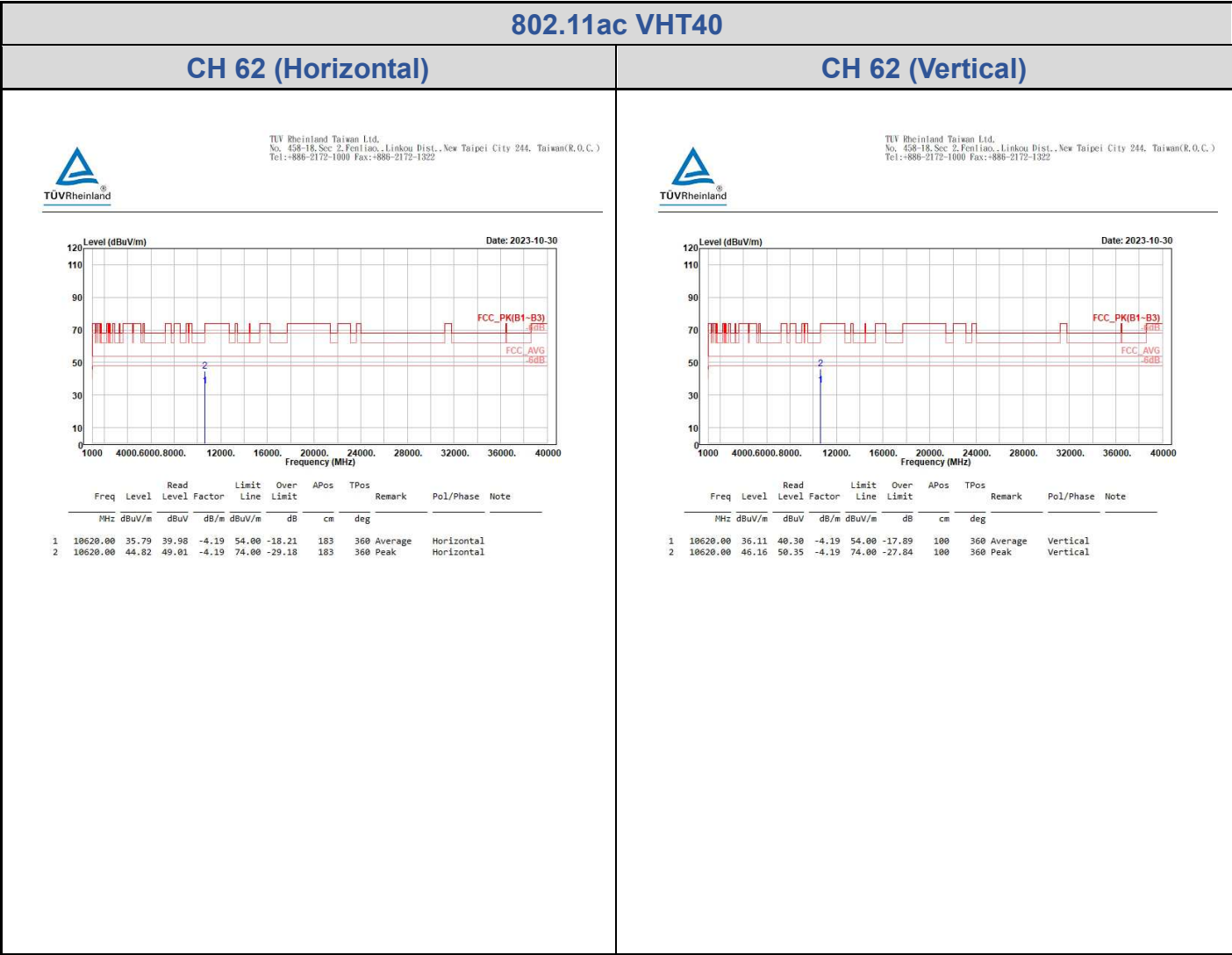












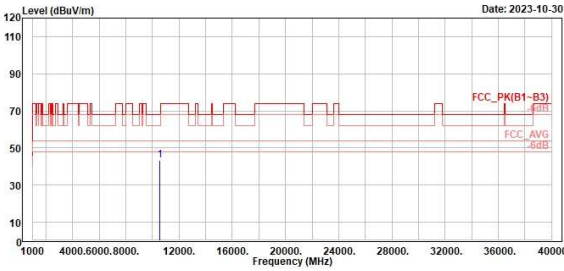
802.11ac VHT80

CH 58 (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

Date: 2023-10-30

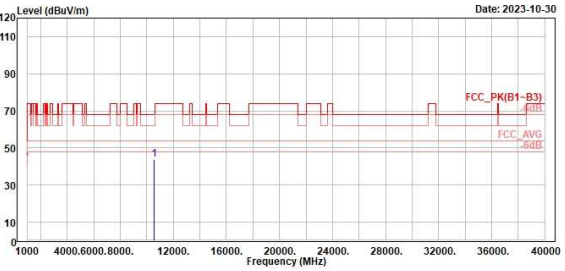


Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 10580.00	43.57	47.83	-4.26	68.20	-24.63	100	85 Peak	Horizontal	



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

Date: 2023-10-30



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 10580.00	43.59	47.85	-4.26	68.20	-24.61	400	308 Peak	Vertical	

U-NII-2C

802.11a

CH 100 (Horizontal)

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

Level (dBuV/m) Date: 2023-10-29

Frequency (MHz)

Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	11000.00	33.36	36.79	-3.43	54.00	-20.64	101	360 Average	Horizontal
2	11800.00	47.74	51.17	-3.43	74.00	-26.26	101	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	11000.00	33.36	36.79	-3.43	54.00	-20.64	101	360 Average	Horizontal	
2	11800.00	47.74	51.17	-3.43	74.00	-26.26	101	360 Peak	Horizontal	

CH 100 (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

Level (dBuV/m) Date: 2023-10-29

Frequency (MHz)

Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	11000.00	33.33	36.76	-3.43	54.00	-20.67	100	298 Average	Vertical
2	11800.00	47.02	50.45	-3.43	74.00	-26.98	100	298 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	11000.00	33.33	36.76	-3.43	54.00	-20.67	100	298 Average	Vertical	
2	11800.00	47.02	50.45	-3.43	74.00	-26.98	100	298 Peak	Vertical	

802.11a

CH 116 (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

Level (dBuV/m) Date: 2023-10-29

Frequency (MHz)

FCC_PK(B1-B3)
FCC_AVG

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Level	Factor	Line	Limit				
			dBuV	dB/m	dBuV/m	dB	cm	deg		
1	11160.00	37.30	40.52	-3.22	54.00	-16.70	200	360 Average	Horizontal	
2	11160.00	50.92	54.14	-3.22	74.00	-23.08	200	360 Peak	Horizontal	
3	16740.00	60.22	56.06	4.16	68.20	-7.98	300	248 Peak	Horizontal	

CH 116 (Vertical)

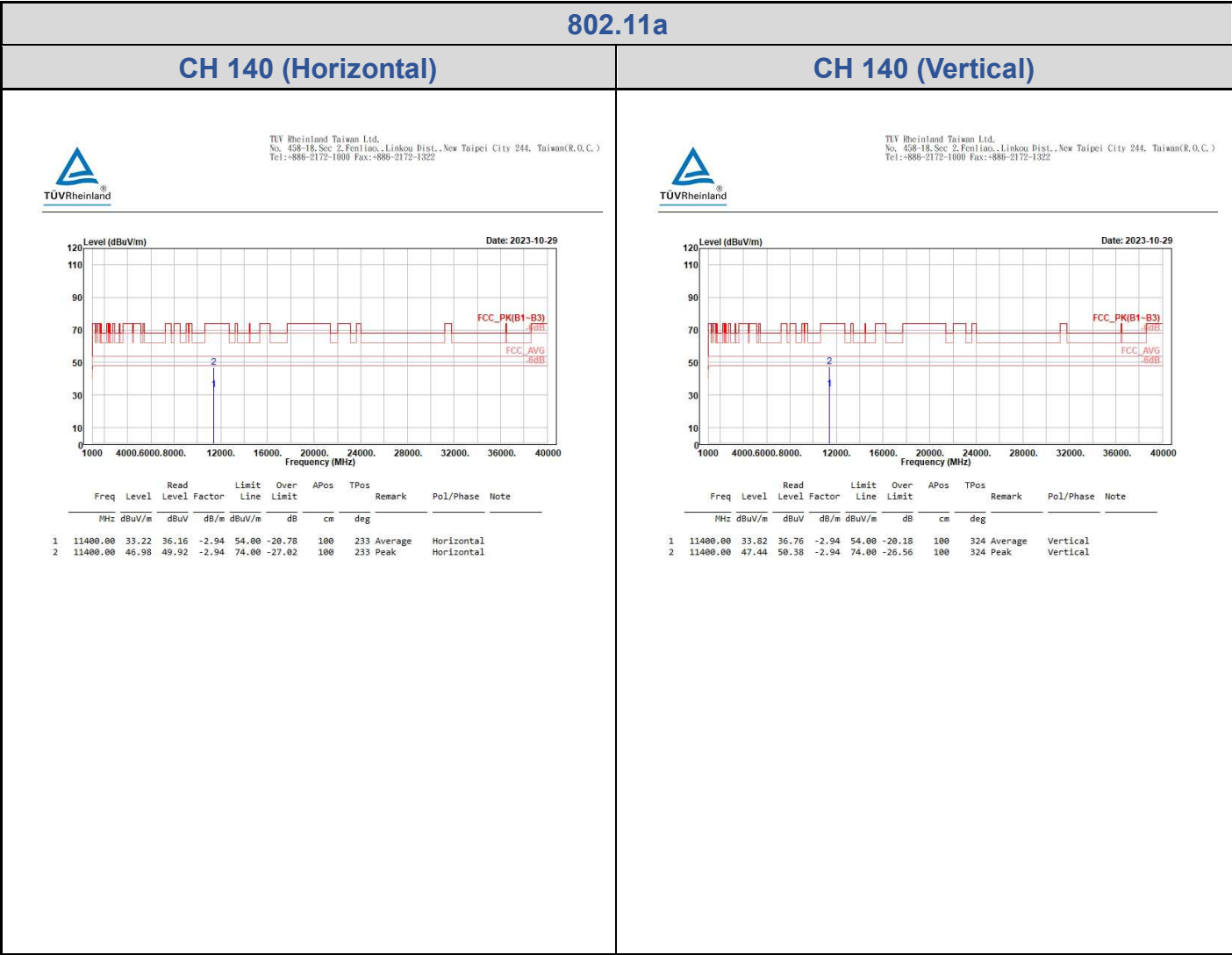
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322

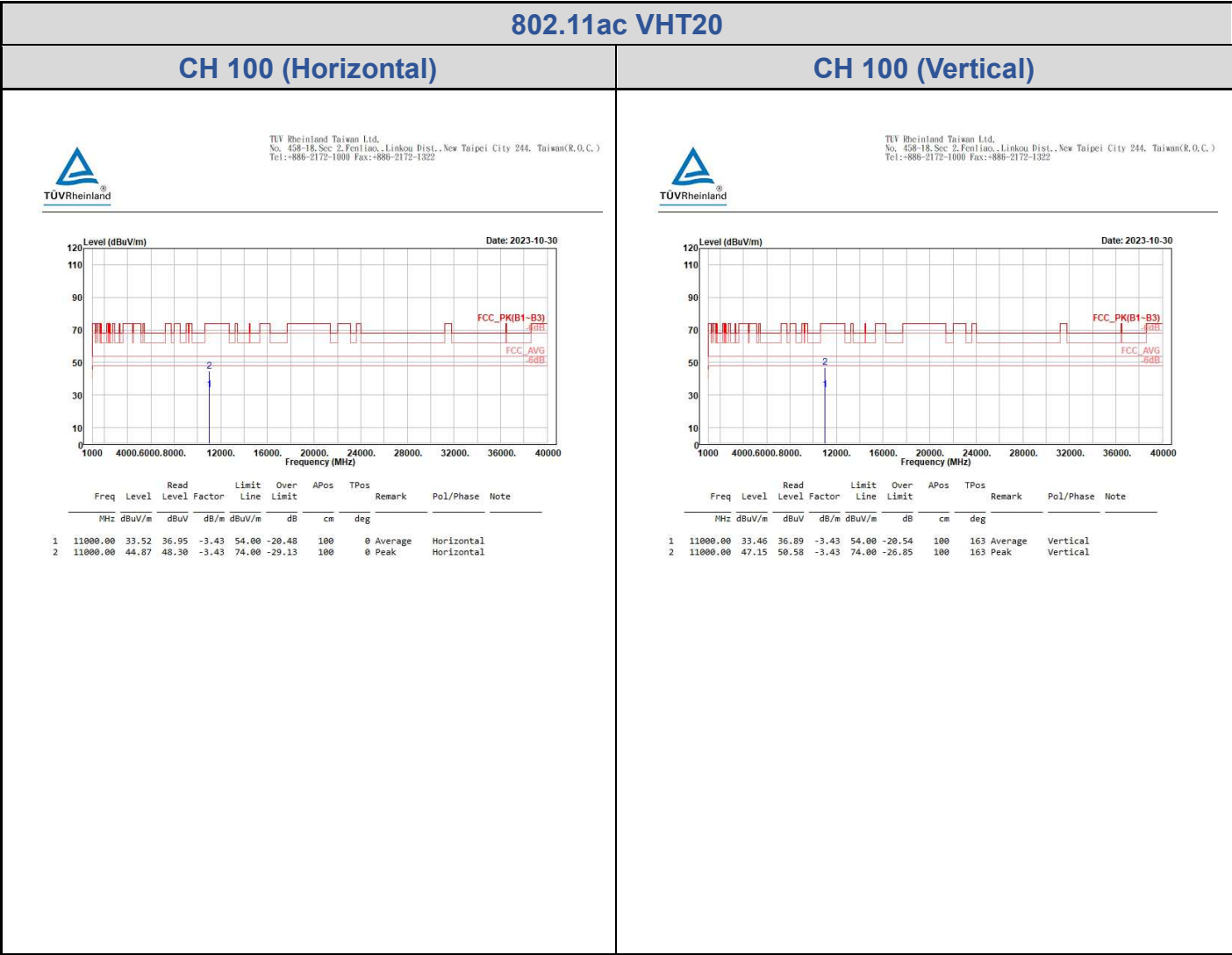
Level (dBuV/m) Date: 2023-10-29

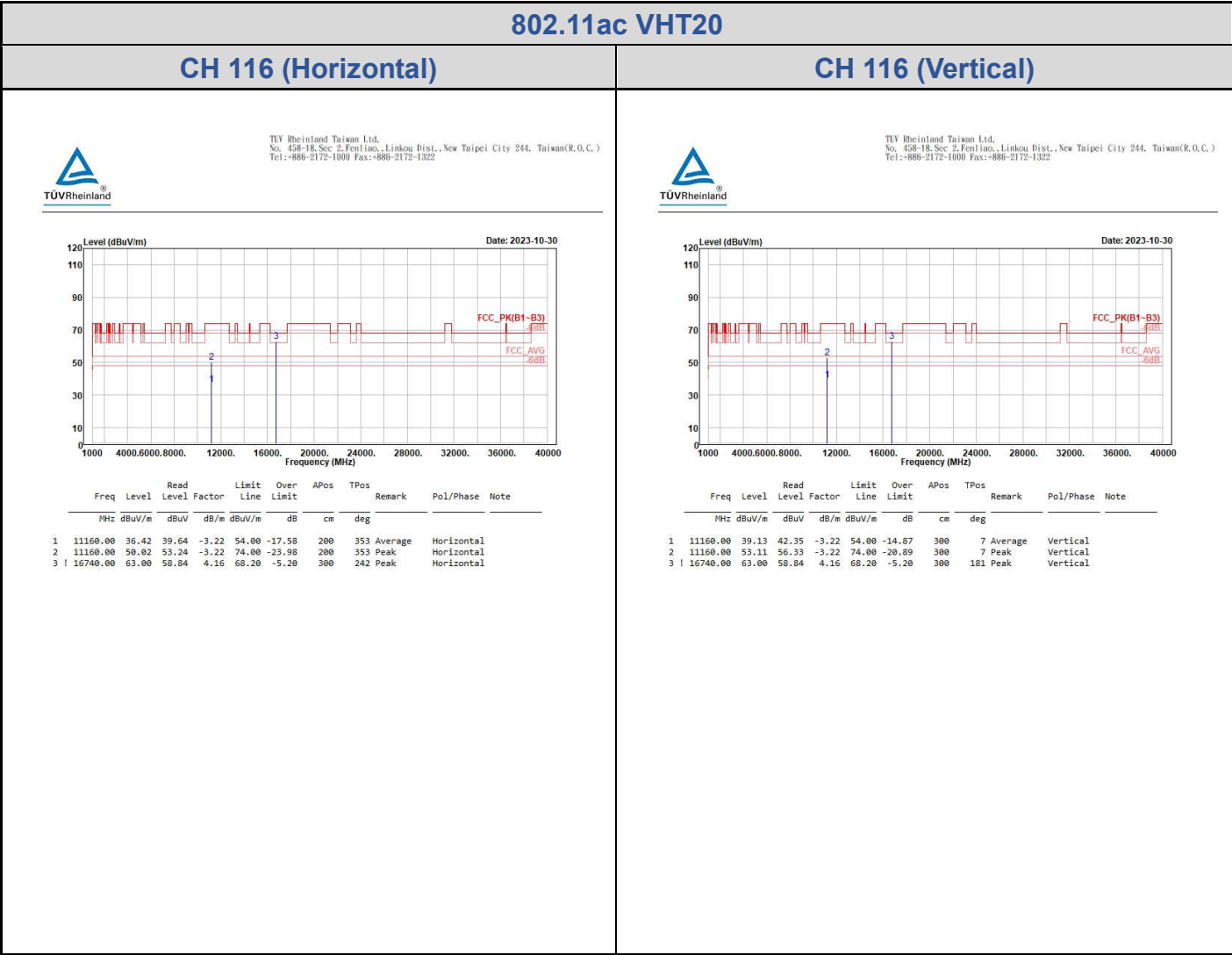
Frequency (MHz)

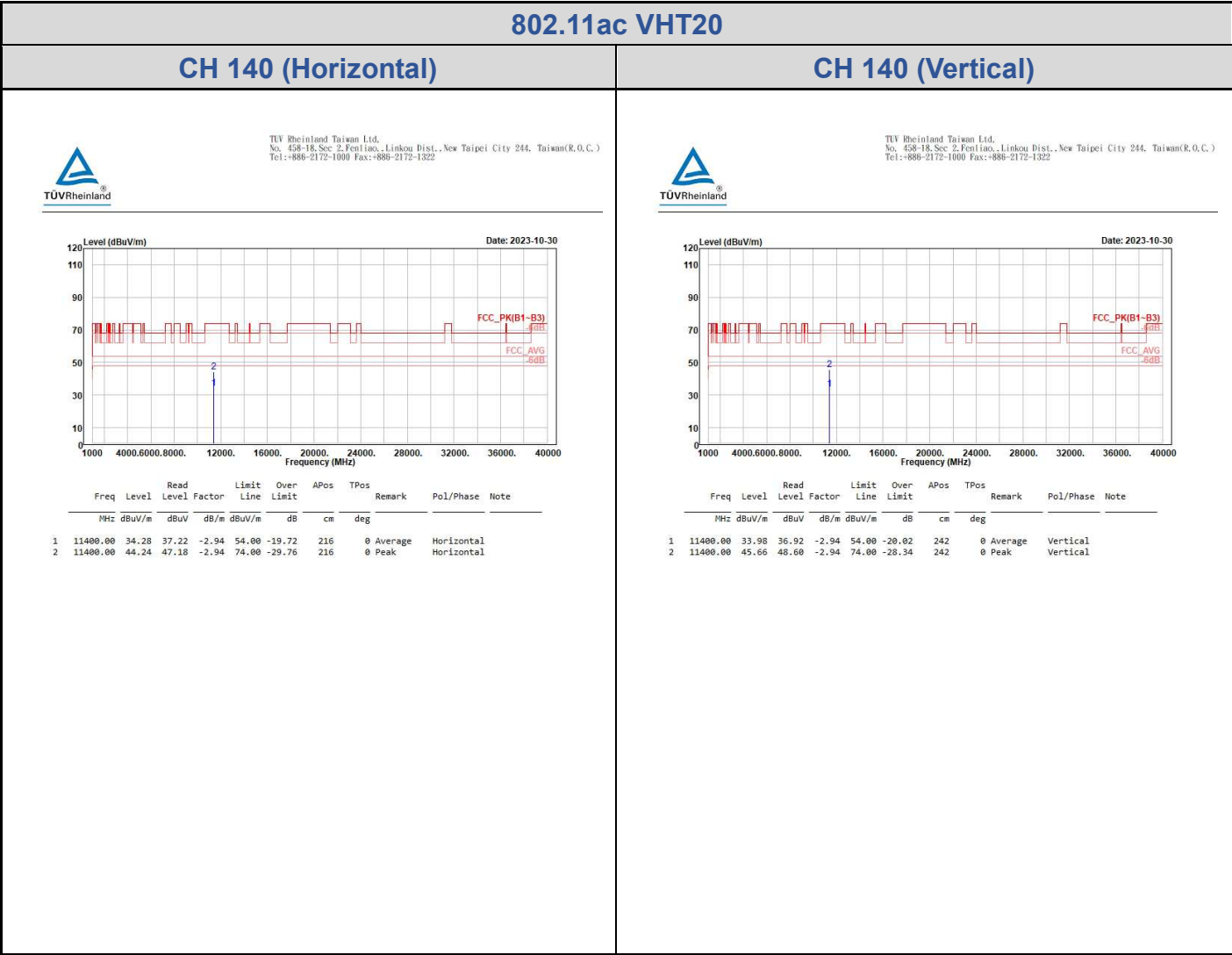
FCC_PK(B1-B3)
FCC_AVG

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Level	Factor	Line	Limit				
			dBuV	dB/m	dBuV/m	dB	cm	deg		
1	11160.00	39.98	43.20	-3.22	54.00	-14.02	200	10 Average	Vertical	
2	11160.00	53.33	56.55	-3.22	74.00	-20.67	200	10 Peak	Vertical	
3	16740.00	65.56	61.40	4.16	68.20	-2.64	400	229 Peak	Vertical	









802.11ac VHT40	
CH 102 (Horizontal)	CH 102 (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 Level (dBuV/m) 40000 4000.0000.8000.12000.16000.20000.24000.28000.32000.36000.40000 Frequency (MHz) 11020.00 11020.00 16530.00 35.32 44.14 51.29 38.72 47.54 47.97 -3.40 -3.40 3.32 54.00 74.00 68.20 -18.68 -29.86 -16.91 154 154 300 360 360 182 Average Peak Peak Horizontal Horizontal 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 Level (dBuV/m) 40000 4000.0000.8000.12000.16000.20000.24000.28000.32000.36000.40000 Frequency (MHz) 11020.00 11020.00 16530.00 34.86 47.36 52.23 38.26 50.76 48.91 -3.40 -3.40 3.32 54.00 74.00 68.20 -19.14 -26.64 -15.97 199 199 300 360 360 195 Average Peak Peak Vertical Vertical Vertical

	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	11100.00	35.76	39.82	-3.26	54.00	-18.24	300	4	Average	Vertical	
2	11100.00	47.69	50.95	-3.26	74.00	-26.31	300	4	Peak	Vertical	
3	16650.00	55.57	51.66	3.91	68.20	-12.63	400	198	Peak	Vertical	

802.11ac VHT40

CH 134 (Horizontal)

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Level (dBuV/m) Date: 2023-10-30

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	11340.00	36.42	39.41	-2.99	54.00	-17.58	200	360 Average	Horizontal	
2	11340.00	47.47	50.46	-2.99	74.00	-26.53	200	360 Peak	Horizontal	
3	17010.00	53.58	49.90	3.68	68.20	-14.62	300	165 Peak	Horizontal	

CH 134 (Vertical)

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Level (dBuV/m) Date: 2023-10-30

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	11340.00	37.37	40.36	-2.99	54.00	-16.63	157	360 Average	Vertical	
2	11340.00	47.56	50.55	-2.99	74.00	-26.44	157	360 Peak	Vertical	
3	17010.00	57.04	53.36	3.68	68.20	-11.16	400	165 Peak	Vertical	

