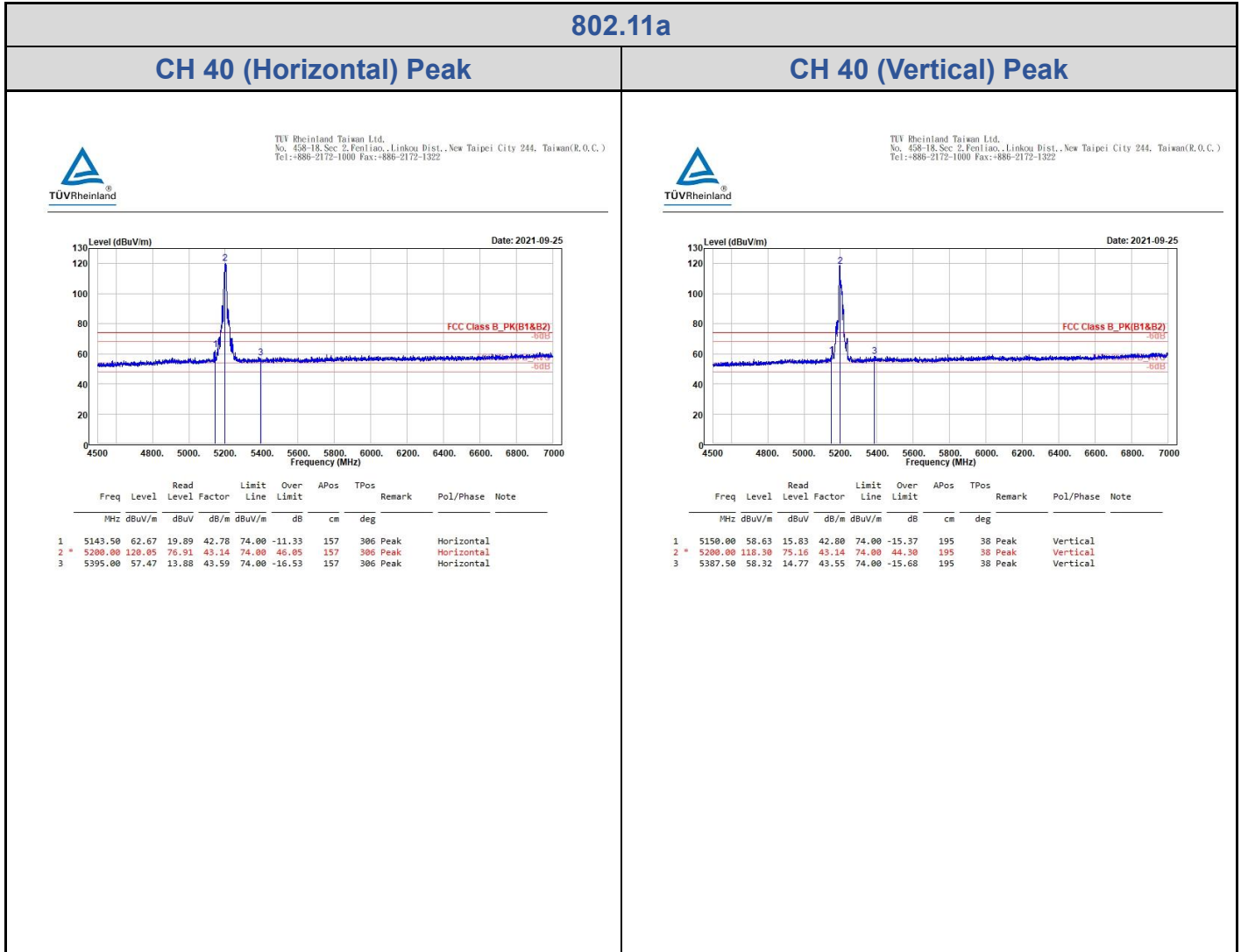


# Appendix F: Test Results of Radiation Spurious Emissions & Mains

## Radiation Emission (POE with Traffic Mode)

### Band Edges, 4.5GHz ~ 7GHz

#### U-NII-1



802.11a

CH 40 (Horizontal) Average

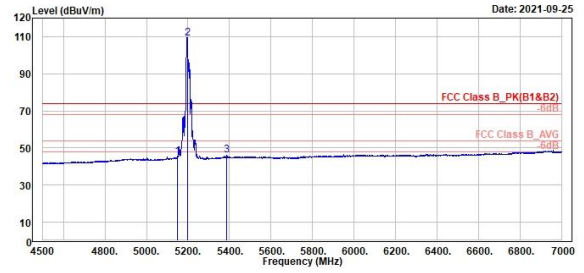
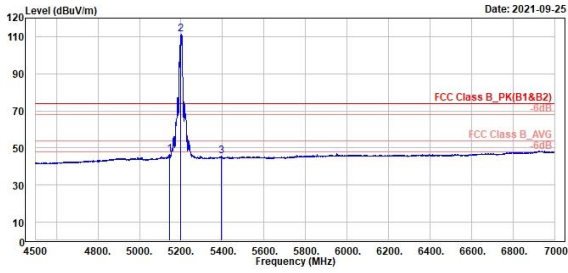
CH 40 (Vertical) Average



TÜV 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



TÜV 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								
MHz	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	PoI/Phase	Note
	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5143.58	46.58	3.72	42.78	54.00	-7.50	157	386 Average	Horizontal	
2	5208.00	111.19	68.05	43.14	54.00	57.19	157	386 Average	Horizontal	
3	5395.00	45.53	1.94	43.59	54.00	-8.47	157	386 Average	Horizontal	

1	2	3								
MHz	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	PoI/Phase	Note
	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5158.00	45.31	2.51	42.80	54.00	-8.69	195	38 Average	Vertical	
2	5208.00	109.26	66.12	43.14	54.00	55.26	195	38 Average	Vertical	
3	5387.50	45.87	2.32	43.55	54.00	-8.13	195	38 Average	Vertical	

U-NII-2A

802.11ax HE80

CH 58 (Horizontal) Peak

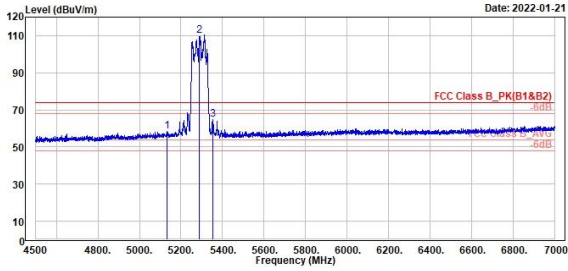
CH 58 (Vertical) Peak



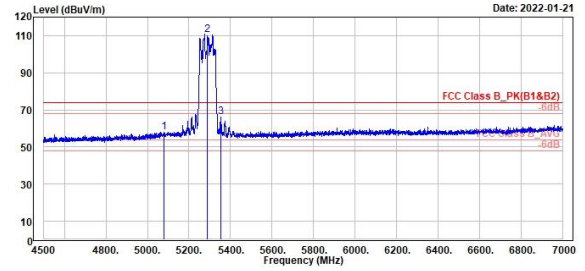
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



TÜV 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	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5134.00	58.28	15.50	42.78	74.00	-15.72	300	65 Peak	Horizontal	
2	5298.00	110.18	67.24	42.94	74.00	36.18	300	65 Peak	Horizontal	
3	5355.50	64.79	21.81	42.98	74.00	-9.21	300	65 Peak	Horizontal	



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	5081.00	58.02	15.44	42.58	74.00	-15.98	310	26 Peak	Vertical	
2	5298.00	110.52	67.58	42.94	74.00	36.52	310	26 Peak	Vertical	
3	5355.00	66.01	23.02	42.99	74.00	-7.99	310	26 Peak	Vertical	

802.11ax HE80

CH 58 (Horizontal) Average

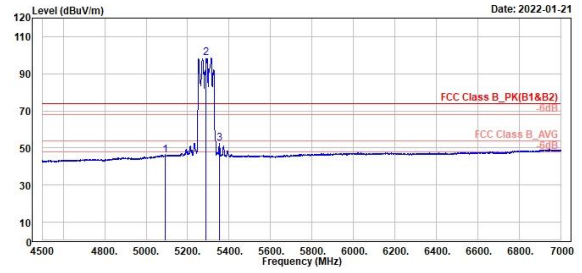
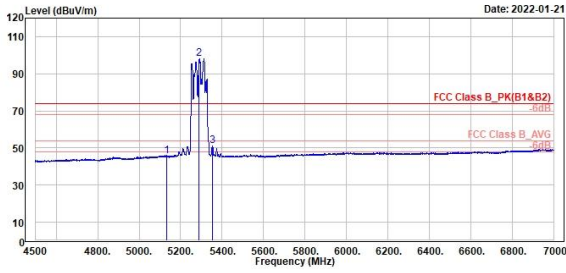
CH 58 (Vertical) Average



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



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



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	5133.00	45.80	3.02	42.78	54.00	-8.20	300	65 Average	Horizontal	
2 *	5296.00	98.01	55.07	42.94	54.00	44.01	300	65 Average	Horizontal	
3 !	5354.00	51.18	8.19	42.99	54.00	-2.82	300	65 Average	Horizontal	

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	5091.00	46.14	3.57	42.57	54.00	-7.86	310	26 Average	Vertical	
2 *	5296.00	98.49	55.55	42.94	54.00	44.49	310	26 Average	Vertical	
3 !	5353.00	52.35	9.37	42.98	54.00	-1.65	310	26 Average	Vertical	

U-NII-2C

802.11ax HE40

CH 102 (Horizontal) Peak

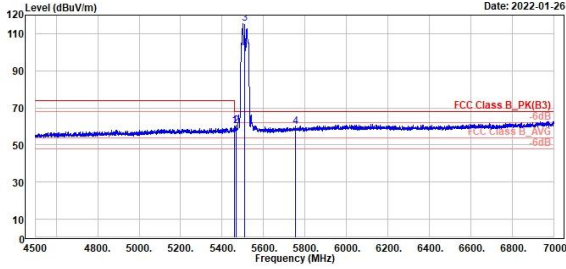
CH 102 (Vertical) Peak



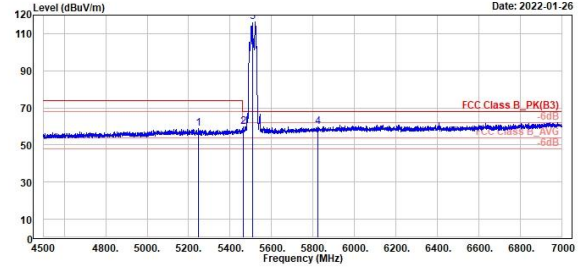
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



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



Peak	Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5459.50	60.04	16.78	43.26	74.00	-13.96	114	335	Peak	Horizontal	
2	5468.00	60.34	17.07	43.27	68.20	-7.86	114	335	Peak	Horizontal	
3	5510.00	115.49	72.17	43.32	68.20	47.29	114	335	Peak	Horizontal	
4	5754.50	59.98	16.26	43.72	68.20	-8.22	114	335	Peak	Horizontal	



Peak	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	5249.00	58.91	15.93	42.98	74.00	-15.09	185	41	Peak	Vertical	
2	5462.00	59.55	16.29	43.26	68.20	-8.65	185	41	Peak	Vertical	
3	5510.00	116.13	72.81	43.32	68.20	47.93	185	41	Peak	Vertical	
4	5822.50	59.81	15.90	43.91	68.20	-8.39	185	41	Peak	Vertical	

802.11ax HE40

CH 102 (Horizontal) Average

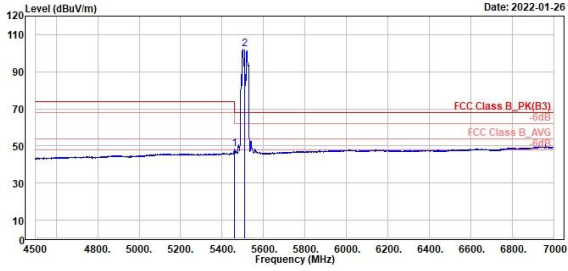
CH 102 (Vertical) Average



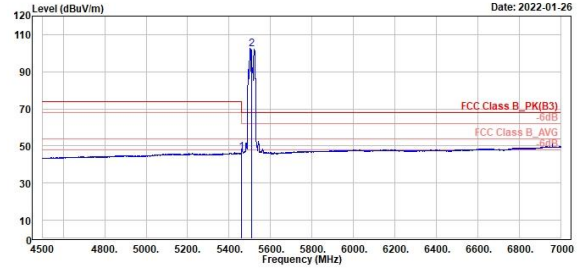
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliiao, 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	5459.58	48.18	4.92	43.26	54.00	-5.82	114	335	Average	Horizontal	
2	5518.00	102.13	58.81	43.32	54.00	48.13	114	335	Average	Horizontal	



	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	5459.58	46.51	3.25	43.26	54.00	-7.49	185	41	Average	Vertical	
2	5518.00	102.34	59.02	43.32	54.00	48.34	185	41	Average	Vertical	

U-NII-3

802.11a

CH 165 (Horizontal) Peak

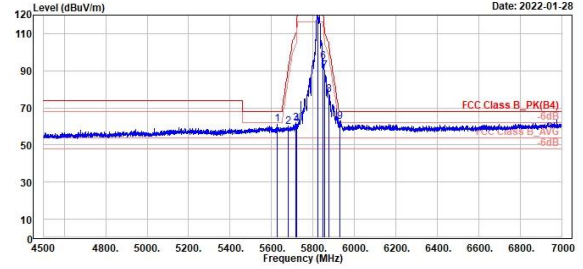
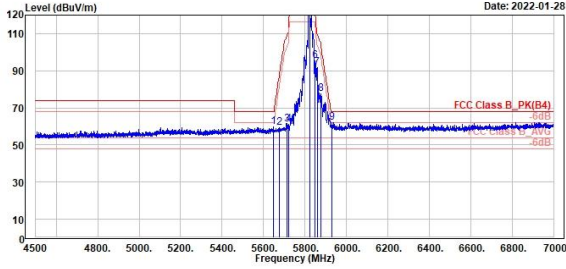
CH 165 (Vertical) Peak



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



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



1	2	3	4	5	6	7	8	9	
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
5648.50	59.77	16.35	43.42	68.20	-8.43	265	22 Peak	Horizontal	
5677.50	59.34	15.78	43.56	88.59	-29.25	265	22 Peak	Horizontal	
5713.50	61.23	17.55	43.68	108.98	-47.75	265	22 Peak	Horizontal	
5720.50	60.99	17.31	43.68	111.94	-50.95	265	22 Peak	Horizontal	
5825.00	125.51	81.59	43.92	122.20	3.31	265	22 Peak	Horizontal	
5850.00	95.30	51.31	43.99	122.20	-26.90	265	22 Peak	Horizontal	
5858.50	91.68	47.66	44.02	109.82	-18.14	265	22 Peak	Horizontal	
5877.00	77.38	33.31	44.07	103.71	-26.33	265	22 Peak	Horizontal	
5930.00	62.06	17.84	44.22	68.20	-6.14	265	22 Peak	Horizontal	

1	2	3	4	5	6	7	8	9	
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
5628.00	60.95	17.55	43.40	68.20	-7.25	290	48 Peak	Vertical	
5682.00	59.98	16.32	43.58	91.92	-32.02	290	48 Peak	Vertical	
5718.50	61.78	18.10	43.68	110.38	-48.60	290	48 Peak	Vertical	
5721.00	60.95	17.27	43.68	113.08	-52.13	290	48 Peak	Vertical	
5825.00	122.69	78.77	43.92	122.20	0.49	290	48 Peak	Vertical	
5850.00	95.03	51.04	43.99	122.20	-27.17	290	48 Peak	Vertical	
5855.00	89.79	45.78	44.01	110.80	-21.01	290	48 Peak	Vertical	
5875.00	77.00	32.94	44.06	105.20	-28.20	290	48 Peak	Vertical	
5930.00	62.67	18.45	44.22	68.20	-5.53	290	48 Peak	Vertical	

802.11a

CH 165 (Horizontal) Average

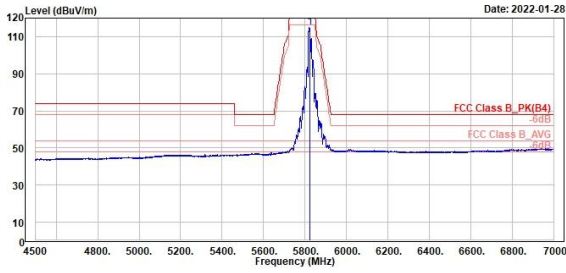
CH 165 (Vertical) Average



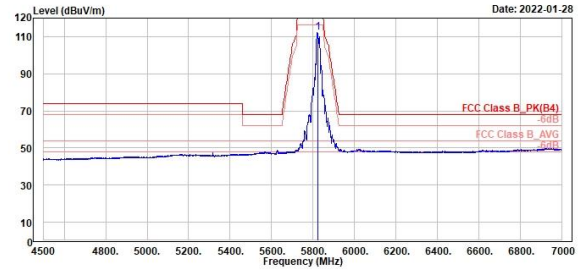
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



TÜV 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 *	5825.00	115.03	71.11	43.92	54.00	61.03	265	22 Average	Horizontal	



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 *	5825.00	112.33	68.41	43.92	54.00	58.33	290	48 Average	Vertical	



Spurious Emissions, Tx Mode, 1GHz ~ 40GHz

U-NII-1

802.11a

CH 40 (Horizontal)

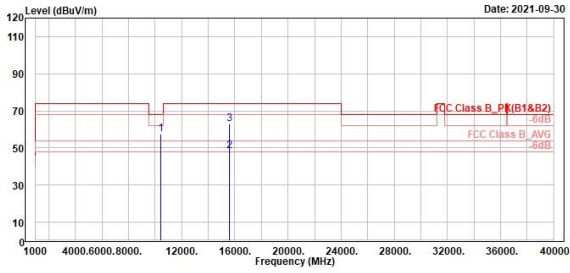
CH 40 (Vertical)



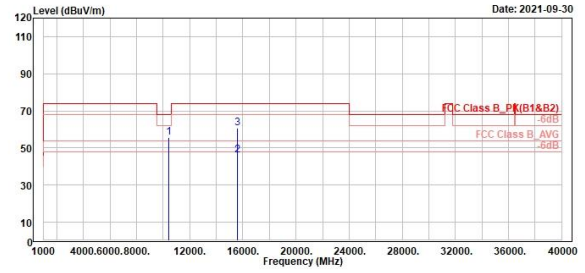
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



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



1	2	3									
Level	Level	Level									
Factor	Factor	Factor									
Limit	Limit	Limit									
Over	Over	Over									
Limit	Limit	Limit									
APos	APos	APos									
TPos	TPos	TPos									
Remark	Remark	Remark									
Pol/Phase	Pol/Phase	Pol/Phase									
Note	Note	Note									
Freq	Level	Read									
MHz	dBuV/m	Level									
		Factor									
		dB/m									
		dBuV/m									
		dB									
		cm									
		deg									
1	10400.00	57.57	60.89	-3.32	68.20	-10.63	300	48	Peak	Horizontal	
2	15600.00	48.50	44.78	3.72	54.00	-5.50	200	286	Average	Horizontal	
3	15600.00	62.79	59.07	3.72	74.00	-11.21	200	286	Peak	Horizontal	



1	2	3									
Level	Level	Level									
Factor	Factor	Factor									
Limit	Limit	Limit									
Over	Over	Over									
Limit	Limit	Limit									
APos	APos	APos									
TPos	TPos	TPos									
Remark	Remark	Remark									
Pol/Phase	Pol/Phase	Pol/Phase									
Note	Note	Note									
Freq	Level	Read									
MHz	dBuV/m	Level									
		Factor									
		dB/m									
		dBuV/m									
		dB									
		cm									
		deg									
1	10400.00	55.81	59.13	-3.32	68.20	-12.39	400	358	Peak	Vertical	
2	15600.00	46.31	42.59	3.72	54.00	-7.69	292	345	Average	Vertical	
3	15600.00	60.48	56.76	3.72	74.00	-13.52	292	345	Peak	Vertical	

U-NII-2A

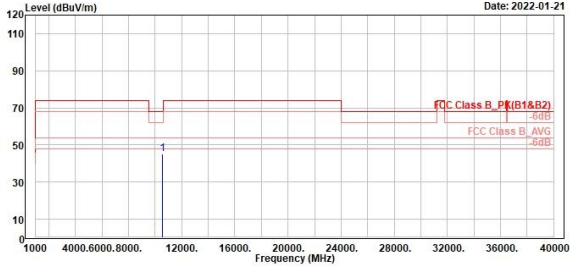
802.11ax HE80

CH 58 (Horizontal)

CH 58 (Vertical)



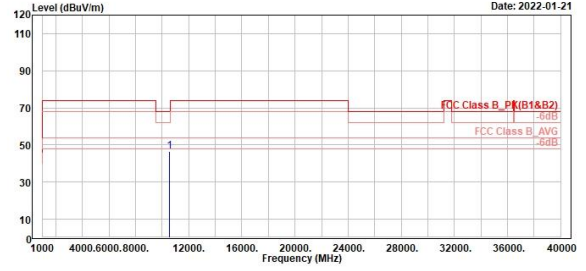
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 10580.00	45.03	47.96	-2.93	68.20	-23.17	300	55	Peak	Horizontal	



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



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 10580.00	46.35	49.28	-2.93	68.20	-21.85	100	32	Peak	Vertical	

U-NII-2C

802.11ax HE40

CH 102 (Horizontal)

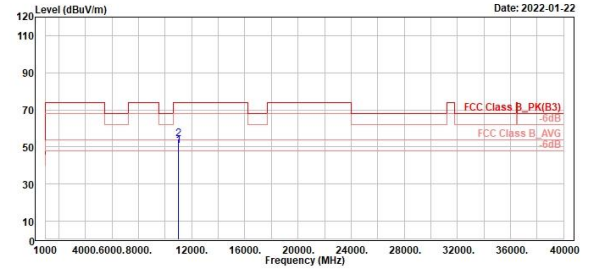
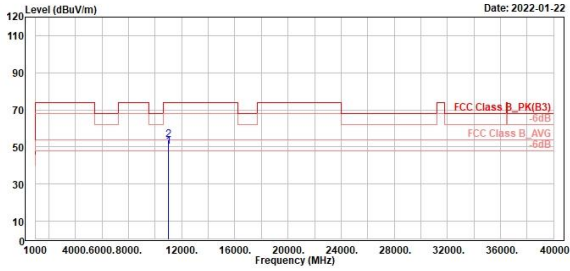
CH 102 (Vertical)



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



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 ! 11020.00	50.40	52.64	-2.24	54.00	-3.60	100	38	Average	Horizontal	
2 11020.00	53.93	56.17	-2.24	74.00	-20.07	100	38	Peak	Horizontal	

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 ! 11020.00	50.77	53.01	-2.24	54.00	-3.23	104	43	Average	Vertical	
2 11020.00	54.38	56.62	-2.24	74.00	-19.62	104	43	Peak	Vertical	

U-NII-3

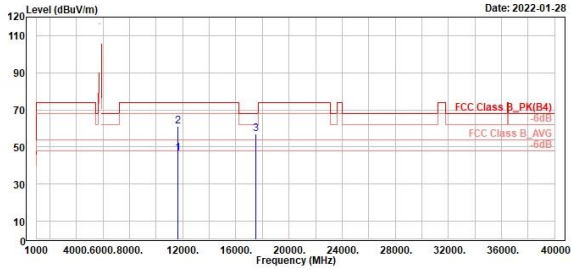
802.11a

CH 165 (Horizontal)

CH 165 (Vertical)



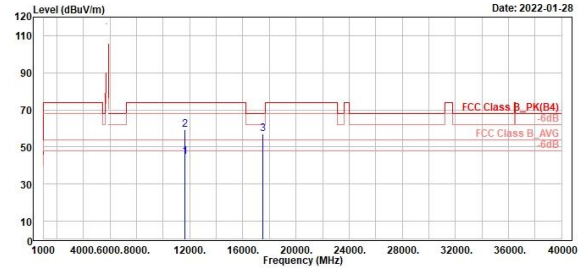
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	11650.00	46.48	47.42	-0.94	54.00	-7.52	100	295 Average	Horizontal	
2	11650.00	61.29	62.23	-0.94	74.00	-12.71	100	295 Peak	Horizontal	
3	17475.00	57.13	58.18	6.95	68.20	-11.07	200	341 Peak	Horizontal	



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



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	11650.00	44.83	45.77	-0.94	54.00	-9.17	100	304 Average	Vertical	
2	11650.00	59.38	60.24	-0.94	74.00	-14.70	100	304 Peak	Vertical	
3	17475.00	56.83	49.88	6.95	68.20	-11.37	300	15 Peak	Vertical	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

U-NII-1

802.11a

CH 40 (Horizontal)

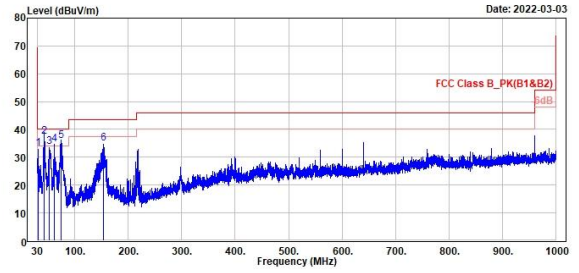
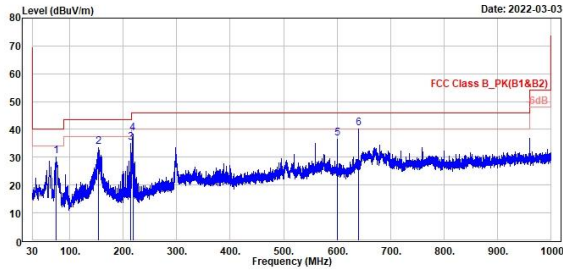
CH 40 (Vertical)



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



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	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	73.36	30.56	41.87	-11.31	40.00	-9.44	100	58 QP	Horizontal	
2	153.58	33.65	41.64	-7.99	43.50	-9.85	100	186 QP	Horizontal	
3	214.40	35.33	46.23	-10.90	43.50	-8.17	100	2 QP	Horizontal	
4	217.60	38.64	49.54	-10.90	46.00	-7.36	100	360 QP	Horizontal	
5	599.97	36.70	38.12	-1.42	46.00	-9.30	100	30 QP	Horizontal	
6	640.03	40.40	41.31	-0.91	46.00	-5.60	100	2 QP	Horizontal	

Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	31.36	33.01	43.03	-10.02	40.00	-6.99	100	224 QP	Vertical	
2	42.51	37.51	45.70	-8.19	40.00	-2.49	100	347 QP	Vertical	
3	51.53	33.00	41.63	-7.83	40.00	-6.20	100	125 QP	Vertical	
4	61.72	34.73	43.81	-9.08	40.00	-5.27	100	167 QP	Vertical	
5	74.04	36.02	47.57	-11.55	40.00	-3.98	100	241 QP	Vertical	
6	153.58	34.91	42.90	-7.99	43.50	-8.59	100	184 QP	Vertical	

U-NII-2A

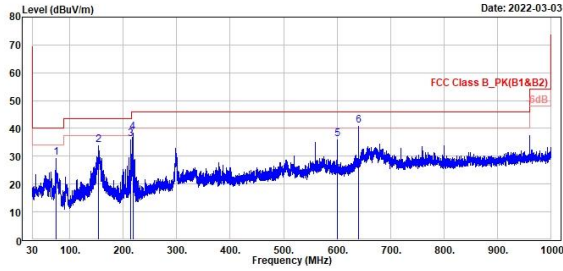
802.11ax HE80

CH 58 (Horizontal)

CH 58 (Vertical)



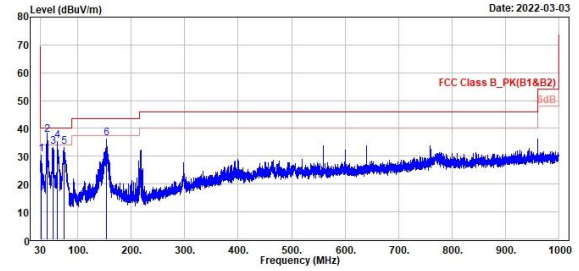
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	73.94	29.44	40.97	-11.53	40.00	-10.56	100	240 QP	Horizontal	
2	153.58	34.08	42.07	-7.99	43.50	-9.42	100	92 QP	Horizontal	
3	214.40	36.10	47.00	-10.90	43.50	-7.40	100	3 QP	Horizontal	
4	217.60	38.51	49.41	-10.90	46.00	-7.49	100	3 QP	Horizontal	
5	599.97	36.06	37.48	-1.42	46.00	-9.94	100	346 QP	Horizontal	
6	640.03	40.93	41.84	-0.91	46.00	-5.07	100	2 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	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	30.97	30.73	40.82	-10.09	40.00	-9.27	100	21 QP	Vertical	
2	42.80	37.73	45.86	-8.13	40.00	-2.27	100	195 QP	Vertical	
3	52.00	33.49	41.32	-7.83	40.00	-6.51	100	201 QP	Vertical	
4	61.72	35.46	44.54	-9.08	40.00	-4.54	100	201 QP	Vertical	
5	73.84	33.33	44.82	-11.49	40.00	-6.67	100	148 QP	Vertical	
6	153.58	36.47	44.46	-7.99	43.50	-7.03	100	161 QP	Vertical	

U-NII-2C

802.11ax HE40

CH 102 (Horizontal)

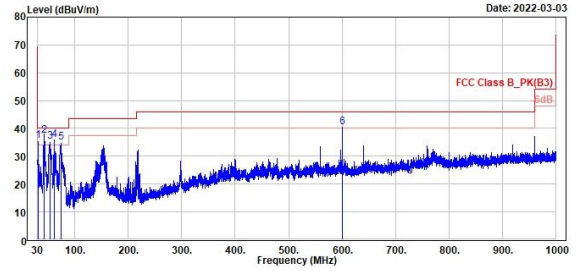
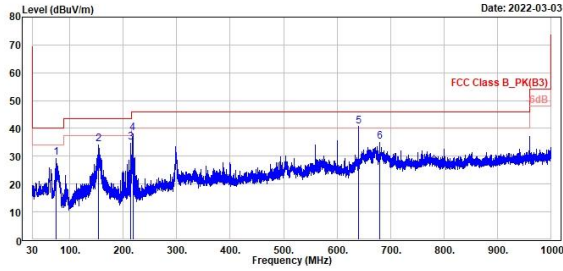
CH 102 (Vertical)



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



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



1	2	3	4	5	6
Freq	Level	Read	Factor	Limit	Over
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB
74.23	29.59	41.16	-11.57	40.00	-10.41
153.58	34.42	42.41	-7.99	43.50	-9.08
214.40	35.10	45.00	-10.90	43.50	-8.40
217.60	38.20	49.10	-10.90	46.00	-7.80
640.03	40.90	41.81	-0.91	46.00	-5.10
680.00	35.33	35.63	-0.30	46.00	-10.67

1	2	3	4	5	6
Freq	Level	Read	Factor	Limit	Over
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB
30.87	35.71	45.79	-10.08	40.00	-4.29
42.80	37.53	45.66	-8.13	40.00	-2.47
52.89	35.15	42.97	-7.82	40.00	-4.85
61.43	35.87	44.90	-9.03	40.00	-4.13
73.36	35.00	46.31	-11.31	40.00	-5.00
599.97	40.58	42.00	-1.42	46.00	-5.42

U-NII-3

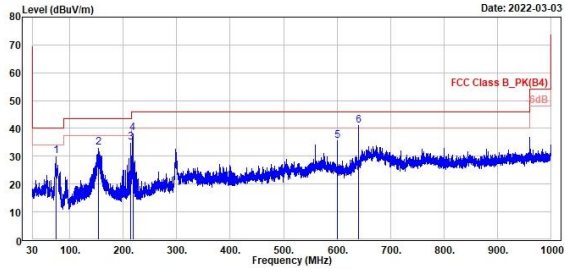
802.11a

CH 165 (Horizontal)

CH 165 (Vertical)



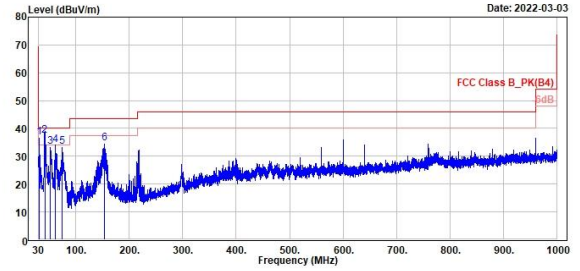
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	74.14	29.99	41.55	-11.56	40.00	-10.01	100	243 QP	Horizontal	
2	153.58	33.11	41.10	-7.99	43.50	-10.39	100	129 QP	Horizontal	
3	214.40	35.13	46.03	-10.90	43.50	-8.37	100	360 QP	Horizontal	
4	217.60	38.33	49.23	-10.90	46.00	-7.67	100	18 QP	Horizontal	
5	599.97	35.69	37.11	-1.42	46.00	-10.31	100	355 QP	Horizontal	
6	640.03	41.16	42.07	-0.91	46.00	-4.84	100	3 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 Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	31.16	36.86	46.92	-10.06	40.00	-3.14	100	262 QP	Vertical	
2	41.54	37.33	45.77	-8.44	40.00	-2.67	100	262 QP	Vertical	
3	52.21	33.35	41.24	-7.89	40.00	-6.65	100	186 QP	Vertical	
4	61.43	34.06	43.09	-9.03	40.00	-5.94	100	235 QP	Vertical	
5	73.84	33.55	45.04	-11.49	40.00	-6.45	100	272 QP	Vertical	
6	153.58	34.73	42.72	-7.99	43.50	-8.77	100	168 QP	Vertical	



Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

U-NII-1

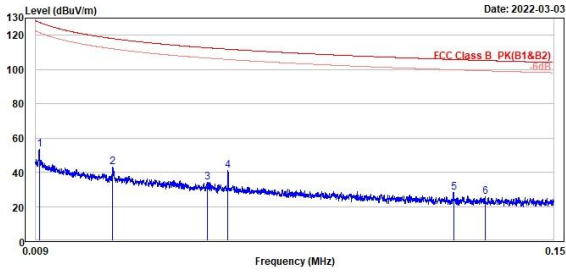
802.11a

CH 40 (Open) (9kHz ~ 150kHz)

CH 40 (Open) (150kHz ~ 30MHz)



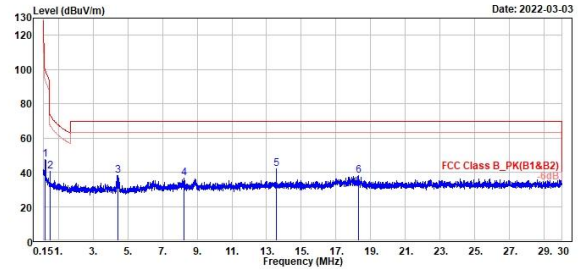
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	4	5	6
Level	Read Level	Factor	Limit	Over Limit	APos
dBuV/m	dBuV	dB/m	dBuV/m	dB	cm
53.19	35.45	17.74	127.57	-74.38	100
42.84	23.29	19.55	118.05	-75.21	100
34.09	14.87	19.22	112.65	-78.56	100
40.88	21.78	19.10	111.84	-70.96	100
28.36	10.02	18.34	105.82	-77.46	100
25.62	7.25	18.37	105.23	-79.61	100



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



1	2	3	4	5	6
Level	Read Level	Factor	Limit	Over Limit	APos
dBuV/m	dBuV	dB/m	dBuV/m	dB	cm
47.65	28.82	18.83	99.29	-51.64	100
40.36	21.36	19.00	73.27	-32.91	100
37.94	18.54	19.40	69.50	-31.56	100
36.39	15.72	20.67	69.50	-33.11	100
41.78	20.16	21.62	69.50	-27.72	100
38.00	16.06	21.94	69.50	-31.50	100

802.11a

CH 40 (Close) (9kHz ~ 150kHz)

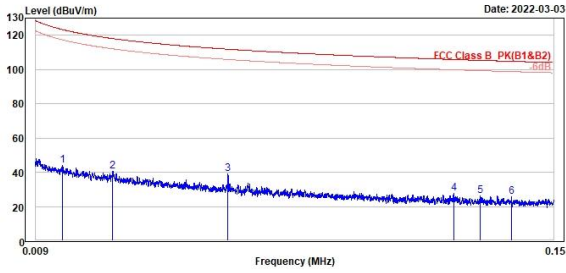
CH 40 (Close) (150kHz ~ 30MHz)



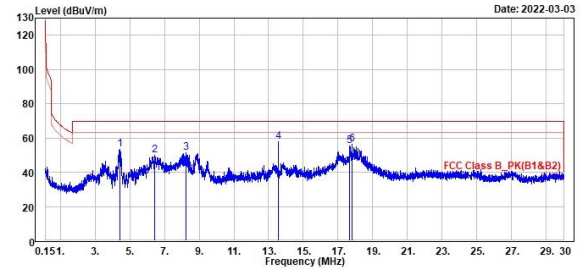
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



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	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.02	43.88	25.56	18.32	123.29	-79.41	100	181 QP	Close	
2	0.03	40.78	21.23	19.55	118.05	-77.27	100	189 QP	Close	
3	0.06	39.04	19.94	19.10	111.84	-72.80	100	22 QP	Close	
4	0.12	27.60	9.26	18.34	105.82	-78.22	100	55 QP	Close	
5	0.13	26.20	7.83	18.37	105.32	-79.12	100	338 QP	Close	
6	0.14	25.79	7.40	18.39	104.77	-78.98	100	170 QP	Close	



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	4.41	53.17	33.77	19.40	69.50	-16.33	100	11 QP	Close	
2	6.45	49.73	29.79	19.94	69.50	-19.77	100	360 QP	Close	
3	8.25	51.29	30.62	20.67	69.50	-18.21	100	57 QP	Close	
4	13.56	57.66	36.84	21.62	69.50	-11.84	100	288 QP	Close	
5	17.68	55.39	33.49	21.90	69.50	-14.11	100	155 QP	Close	
6	17.82	56.13	34.22	21.91	69.50	-13.37	100	155 QP	Close	

U-NII-2A

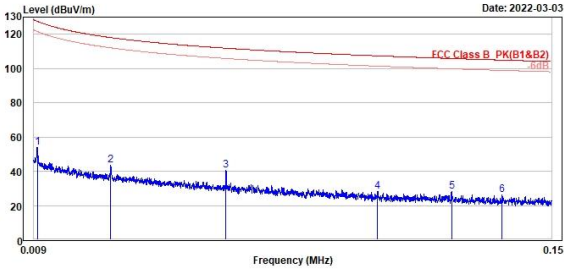
802.11ax HE80

CH 58 (Open) (9kHz ~ 150kHz)

CH 58 (Open) (150kHz ~ 30MHz)



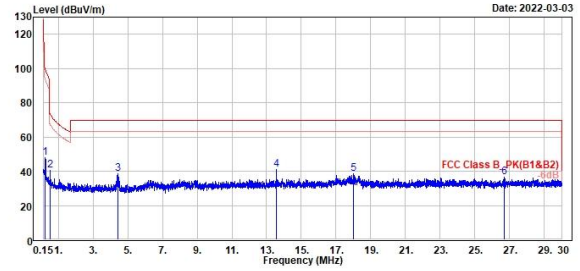
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	4	5	6
Freq	Level	Read	Factor	Limit	Over
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB
0.01	54.12	36.38	17.74	127.58	-73.46
0.03	43.34	23.79	19.55	118.05	-74.71
0.06	40.52	21.42	19.10	111.83	-71.31
0.10	28.33	10.06	18.27	107.37	-79.04
0.12	28.33	9.99	18.34	105.82	-77.49
0.14	26.08	7.69	18.39	104.89	-78.81



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



1	2	3	4	5	6
Freq	Level	Read	Factor	Limit	Over
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB
0.26	47.73	28.90	18.83	99.29	-51.56
0.52	40.69	21.69	19.00	73.27	-32.58
4.45	38.34	18.95	19.39	69.50	-31.16
13.56	40.88	19.26	21.62	69.50	-28.62
17.99	38.69	16.77	21.92	69.50	-30.81
26.72	36.41	14.11	22.30	69.50	-33.09

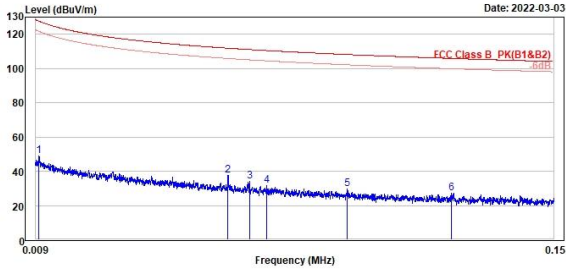
802.11ax HE80

CH 58 (Close) (9kHz ~ 150kHz)

CH 58 (Close) (150kHz ~ 30MHz)



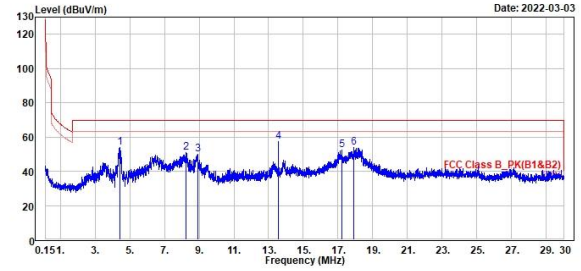
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.01	48.71	30.96	17.75	127.62	-78.91	100	230 QP	Close	
2	0.06	37.80	18.70	19.10	111.84	-74.04	100	211 QP	Close	
3	0.07	33.91	14.94	18.97	111.05	-77.14	100	330 QP	Close	
4	0.07	31.68	12.81	18.87	110.46	-78.78	100	123 QP	Close	
5	0.09	29.87	11.48	18.39	108.15	-78.28	100	348 QP	Close	
6	0.12	27.26	8.92	18.34	105.86	-78.60	100	294 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 Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4.41	53.64	34.24	19.40	69.50	-15.86	100	128 QP	Close	
2	8.25	50.93	30.26	20.67	69.50	-18.57	100	161 QP	Close	
3	8.91	49.99	29.06	20.93	69.50	-19.51	100	360 QP	Close	
4	13.56	57.53	35.91	21.62	69.50	-11.97	100	85 QP	Close	
5	17.21	52.57	30.71	21.86	69.50	-16.93	100	25 QP	Close	
6	17.92	53.99	32.07	21.92	69.50	-15.51	100	25 QP	Close	

U-NII-2C

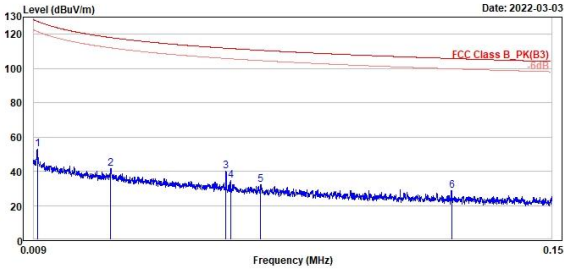
802.11ax HE40

CH 102 (Open) (9kHz ~ 150kHz)

CH 102 (Open) (150kHz ~ 30MHz)



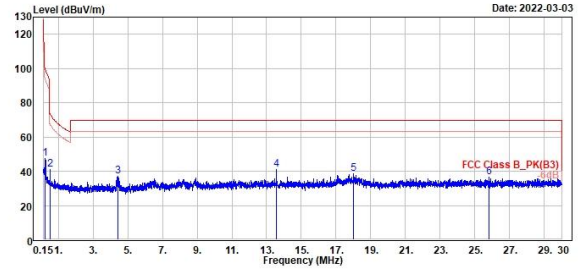
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.01	52.90	35.16	17.74	127.58	-74.68	100	326	QP	Open
2	0.03	41.60	22.05	19.55	118.04	-76.44	100	275	QP	Open
3	0.06	39.85	20.75	19.10	111.83	-71.98	100	113	QP	Open
4	0.06	34.43	15.36	19.07	111.66	-77.23	100	159	QP	Open
5	0.07	32.03	13.14	18.89	110.59	-78.56	100	141	QP	Open
6	0.12	28.66	10.32	18.34	105.82	-77.16	100	104	QP	Open



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	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.26	47.28	28.45	18.83	99.29	-52.01	100	300	QP	Open
2	0.52	41.12	22.12	19.00	73.32	-32.20	100	271	QP	Open
3	4.41	37.31	17.91	19.40	69.50	-32.19	100	49	QP	Open
4	13.56	41.18	19.56	21.62	69.50	-28.32	100	199	QP	Open
5	17.99	38.67	16.75	21.92	69.50	-30.83	100	261	QP	Open
6	25.80	36.63	14.37	22.26	69.50	-32.87	100	320	QP	Open

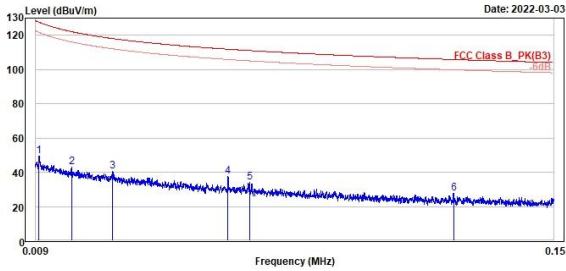
802.11ax40

CH 134 (Close) (9kHz ~ 150kHz)

CH 134 (Close) (150kHz ~ 30MHz)



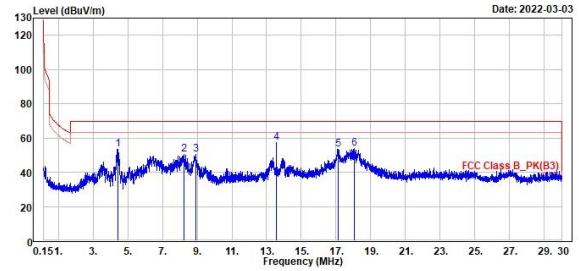
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.01	49.45	31.70	17.75	127.62	-78.17	100	283 QP	Close	
2	0.02	43.17	24.64	18.53	122.10	-78.93	100	325 QP	Close	
3	0.03	40.58	21.03	19.55	118.06	-77.48	100	90 QP	Close	
4	0.06	37.73	18.63	19.10	111.84	-74.11	100	186 QP	Close	
5	0.07	33.89	14.92	18.97	111.04	-77.15	100	136 QP	Close	
6	0.12	27.59	9.25	18.34	105.82	-78.23	100	332 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 Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4.41	53.31	33.91	19.40	69.50	-16.19	100	339 QP	Close	
2	8.25	50.55	29.88	20.67	69.50	-18.95	100	286 QP	Close	
3	8.93	50.24	29.30	20.94	69.50	-19.26	100	61 QP	Close	
4	13.56	57.39	35.77	21.62	69.50	-12.11	100	329 QP	Close	
5	17.13	53.52	31.66	21.86	69.50	-15.98	100	279 QP	Close	
6	18.07	53.75	31.83	21.92	69.50	-15.75	100	146 QP	Close	

U-NII-3

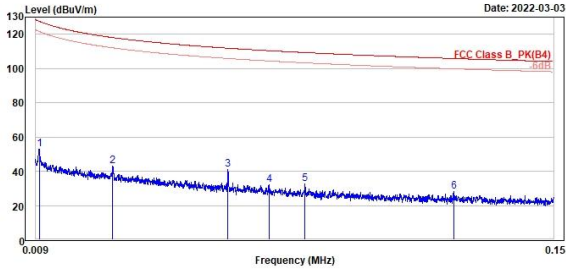
802.11a

CH 165 (Open) (9kHz ~ 150kHz)

CH 165 (Open) (150kHz ~ 30MHz)



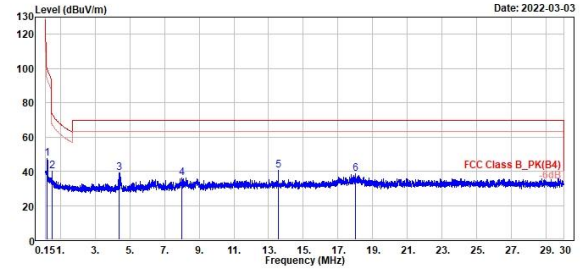
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	4	5	6
0.01	0.03	0.06	0.07	0.08	0.12
52.89	43.21	40.89	32.17	32.62	28.08
35.15	23.66	21.79	13.31	13.97	9.74
17.74	19.55	19.10	18.86	18.65	18.34
127.58	118.05	111.84	110.39	109.29	105.82
-74.69	-74.84	-70.95	-78.22	-76.67	-77.74
100	100	100	100	100	100
66	105	287	137	346	320
QP	QP	QP	QP	QP	QP
Open	Open	Open	Open	Open	Open



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



1	2	3	4	5	6
0.26	0.52	4.41	7.99	13.56	17.99
47.54	40.15	39.00	36.06	40.66	38.39
28.72	21.15	19.60	15.49	19.04	16.47
18.82	19.00	19.40	20.57	21.62	21.92
99.39	73.27	69.50	69.50	69.50	69.50
-51.85	-33.12	-30.50	-33.44	-28.84	-31.11
100	100	100	100	100	100
314	297	35	180	360	166
QP	QP	QP	QP	QP	QP
Open	Open	Open	Open	Open	Open

802.11a

CH 165 (Close) (9kHz ~ 150kHz)

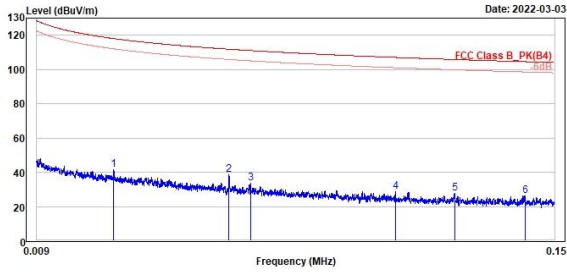
CH 165 (Close) (150kHz ~ 30MHz)



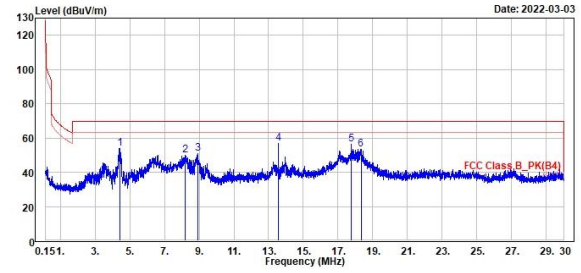
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



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	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.03	41.61	22.06	19.55	118.05	-76.44	100	128	QP	Close
2	0.06	38.40	19.30	19.10	111.84	-73.44	100	18	QP	Close
3	0.07	33.82	14.85	18.97	111.84	-77.22	100	310	QP	Close
4	0.11	28.66	10.38	18.28	107.84	-78.38	100	227	QP	Close
5	0.12	27.72	9.38	18.34	105.82	-78.10	100	306	QP	Close
6	0.14	26.07	7.66	18.41	104.56	-78.49	100	273	QP	Close



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	4.41	53.75	34.35	19.40	69.50	-15.75	100	156	QP	Close
2	8.18	50.07	29.43	20.64	69.50	-19.43	100	218	QP	Close
3	8.91	51.00	30.15	20.93	69.50	-18.42	100	323	QP	Close
4	13.56	57.08	35.46	21.62	69.50	-12.42	100	327	QP	Close
5	17.75	56.47	34.56	21.91	69.50	-13.03	100	344	QP	Close
6	18.32	53.60	31.66	21.94	69.50	-15.90	100	187	QP	Close



Mains Conducted Emission, (150kHz ~ 30MHz)

Worst Band

(Line)

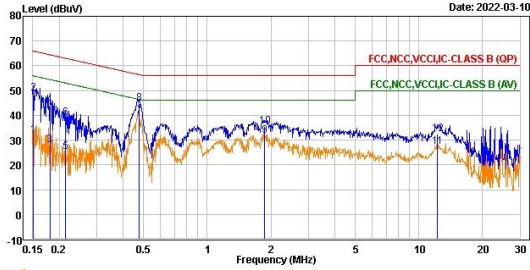
(Neutral)



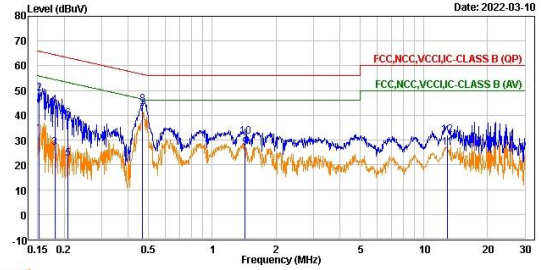
TUV Rheinland Taiwan Ltd.  
No. 498-118, Sec. 2, Fongtsao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel.:+886-2172-1000 Fax:+886-2172-1322



TUV Rheinland Taiwan Ltd.  
No. 498-118, Sec. 2, Fongtsao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel.:+886-2172-1000 Fax:+886-2172-1322



Trace: 1	Freq	Level	Read Level	Factor	Limit Line	Over Limit	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.15	31.99	22.30	9.69	55.96	-23.97	Average	line1	
2	0.15	48.96	39.27	9.69	65.96	-17.00	QP	line1	
3	0.18	28.05	18.37	9.68	54.47	-26.42	Average	line1	
4	0.18	44.02	34.34	9.68	64.47	-20.45	QP	line1	
5	0.21	25.12	15.44	9.68	53.06	-27.94	Average	line1	
6	0.21	38.91	29.23	9.68	63.06	-24.15	QP	line1	
7	0.48	39.52	29.84	9.68	46.40	-6.88	Average	line1	
8	0.48	44.77	35.09	9.68	56.40	-11.63	QP	line1	
9	1.86	31.74	22.02	9.72	46.00	-14.26	Average	line1	
10	1.86	35.54	25.82	9.72	56.00	-20.46	QP	line1	
11	12.17	27.37	17.56	9.81	50.00	-22.63	Average	line1	
12	12.17	32.51	22.70	9.81	60.00	-27.49	QP	line1	



Trace: 1	Freq	Level	Read Level	Factor	Limit Line	Over Limit	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.15	32.32	22.65	9.67	55.92	-23.60	Average	neutral	
2	0.15	48.97	39.30	9.67	65.92	-16.95	QP	neutral	
3	0.18	26.86	17.20	9.66	54.47	-27.61	Average	neutral	
4	0.18	44.09	34.43	9.66	64.47	-20.38	QP	neutral	
5	0.21	22.69	13.07	9.66	53.27	-30.58	Average	neutral	
6	0.21	38.67	29.01	9.66	63.27	-24.60	QP	neutral	
7	0.47	40.58	30.92	9.66	46.52	-5.94	Average	neutral	
8	0.47	44.58	34.92	9.66	56.52	-11.94	QP	neutral	
9	1.43	27.04	17.36	9.68	46.00	-18.96	Average	neutral	
10	1.43	31.38	21.70	9.68	56.00	-24.62	QP	neutral	
11	12.86	26.93	17.11	9.82	50.00	-23.07	Average	neutral	
12	12.86	31.95	22.13	9.82	60.00	-28.05	QP	neutral	