

Appendix A: Test Results of Radiated Spurious Emissions & Mains Conducted Emission Test for Taisaw Crystal

Band Edges, 2.31GHz ~ 2.5GHz

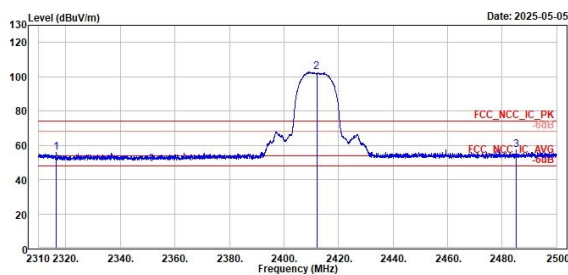
802.11b

Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak



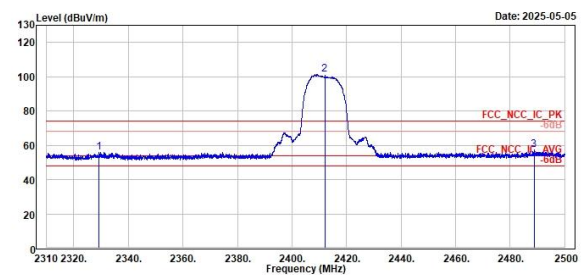
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2316.46	56.10	10.50	37.60	74.00	-17.90	309	69 Peak	Horizontal	
2 *	2412.00	102.82	64.58	38.24	74.00	28.82	309	69 Peak	Horizontal	
3	2485.18	57.48	19.00	38.48	74.00	-16.52	309	69 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



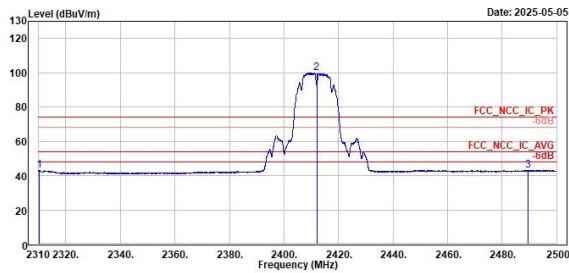
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2329.33	55.71	18.06	37.65	74.00	-18.29	284	166 Peak	Vertical	
2 *	2412.00	101.39	63.15	38.24	74.00	27.39	284	166 Peak	Vertical	
3	2488.74	57.35	18.87	38.48	74.00	-16.65	284	166 Peak	Vertical	

802.11b

Low Channel (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

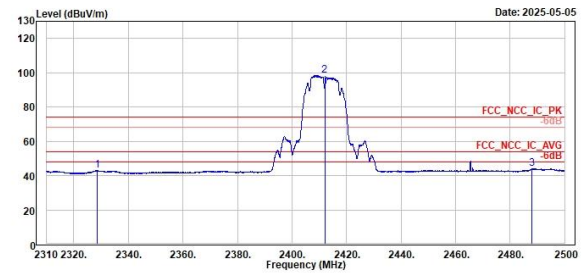


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2310.24	42.90	5.31	37.59	54.00	-11.10	309	69	Average	Horizontal		
2 *	2412.00	99.74	61.50	38.24	54.00	45.74	309	69	Average	Horizontal		
3	2489.55	43.06	4.58	38.48	54.00	-10.94	309	69	Average	Horizontal		

Low Channel (Vertical) Average



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



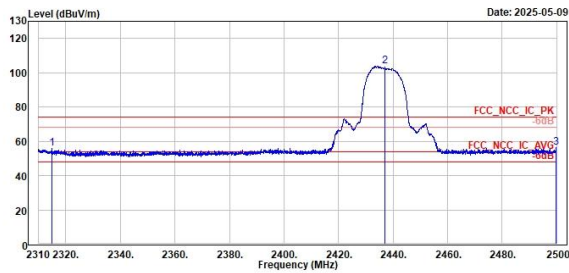
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2320.48	42.88	5.23	37.65	54.00	-11.12	284	166	Average	Vertical		
2 *	2412.00	98.38	60.14	38.24	54.00	44.38	284	166	Average	Vertical		
3	2488.08	43.86	5.38	38.48	54.00	-10.14	284	166	Average	Vertical		

802.11b

Middle Channel (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

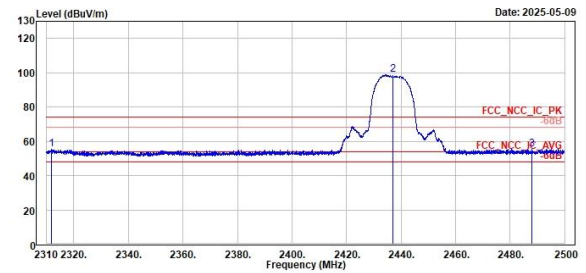


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2314.99	55.78	18.18	37.60	74.00	-18.22	274	73	Peak	Horizontal		
2 *	2437.00	104.05	65.68	38.37	74.00	30.05	274	73	Peak	Horizontal		
3	2499.86	56.47	17.98	38.49	74.00	-17.53	274	73	Peak	Horizontal		

Middle Channel (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



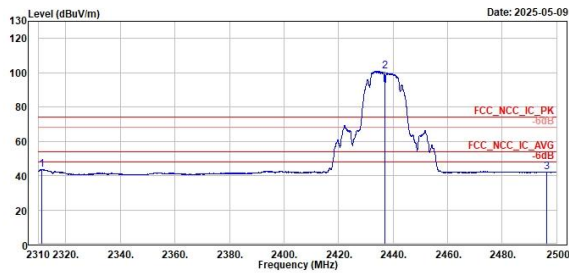
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2311.90	55.14	17.55	37.59	74.00	-18.86	250	189	Peak	Vertical		
2 *	2437.00	98.87	60.50	38.37	74.00	24.87	250	189	Peak	Vertical		
3	2488.03	55.48	17.00	38.48	74.00	-18.52	250	189	Peak	Vertical		

802.11b

Middle Channel (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

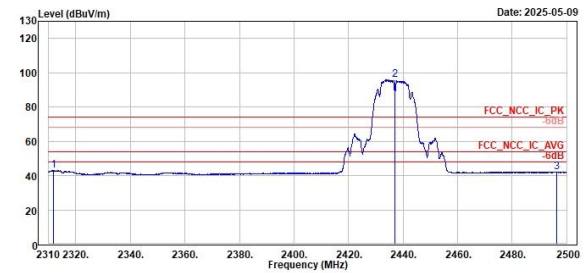


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2311.28	43.68	6.09	37.59	54.00	-10.32	274	73	Average	Horizontal		
2 *	2437.00	100.95	62.58	38.37	54.00	46.95	274	73	Average	Horizontal		
3	2496.44	42.21	3.72	38.49	54.00	-11.79	274	73	Average	Horizontal		

Middle Channel (Vertical) Average



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



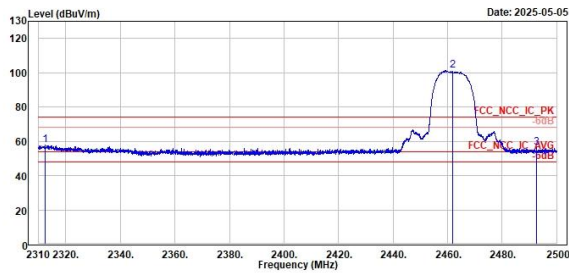
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2311.81	42.98	5.39	37.59	54.00	-11.02	250	189	Average	Vertical		
2 *	2437.00	95.83	57.46	38.37	54.00	41.83	250	189	Average	Vertical		
3	2496.49	42.19	3.70	38.49	54.00	-11.81	250	189	Average	Vertical		

802.11b

High Channel (Horizontal) Peak



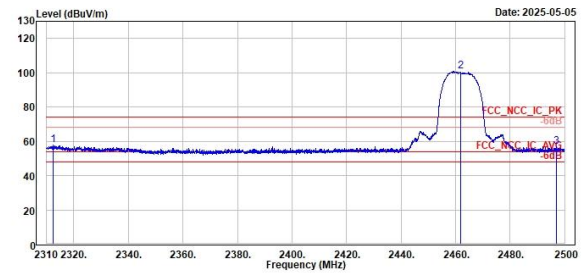
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	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	2312.47	57.78	20.19	37.59	74.00	-16.22	298	74	Peak	Horizontal		
2 *	2462.00	101.42	62.97	38.45	74.00	27.42	298	74	Peak	Horizontal		
3	2492.54	56.15	17.66	38.49	74.00	-17.85	298	74	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



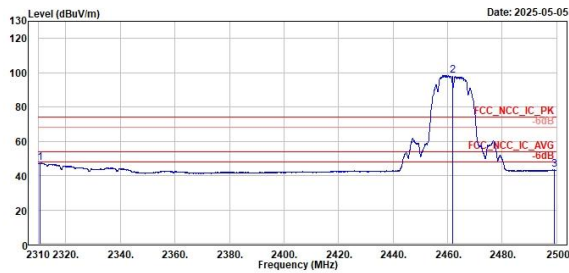
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2312.38	57.59	20.00	37.59	74.00	-16.41	311	194	Peak	Vertical		
2 *	2462.00	100.93	62.48	38.45	74.00	26.93	311	194	Peak	Vertical		
3	2497.01	56.75	18.26	38.49	74.00	-17.25	311	194	Peak	Vertical		

802.11b

High Channel (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

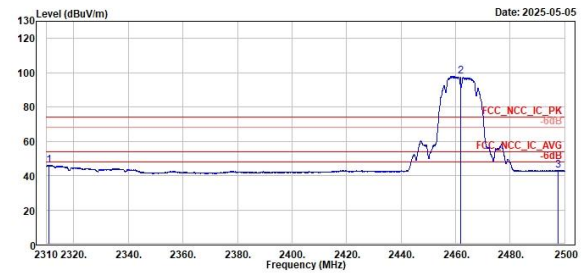


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2310.48	47.25	9.66	37.59	54.00	-6.75	298	74	Average	Horizontal		
2 *	2462.00	98.36	59.91	38.45	54.00	44.36	298	74	Average	Horizontal		
3	2499.15	43.29	4.80	38.49	54.00	-10.71	298	74	Average	Horizontal		

High Channel (Vertical) Average



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



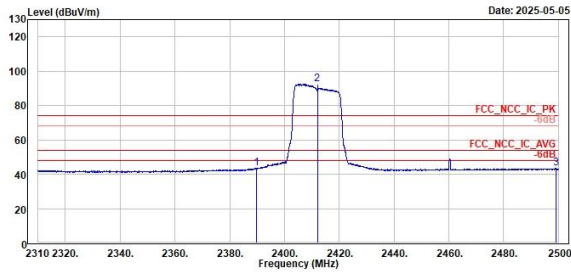
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2310.90	45.96	8.37	37.59	54.00	-8.04	311	194	Average	Vertical		
2 *	2462.00	97.81	59.36	38.45	54.00	43.81	311	194	Average	Vertical		
3	2497.67	43.06	4.57	38.49	54.00	-10.94	311	194	Average	Vertical		

802.11g

Low Channel (Horizontal) Average



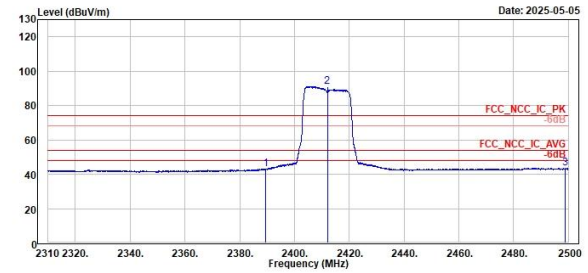
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Low Channel (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

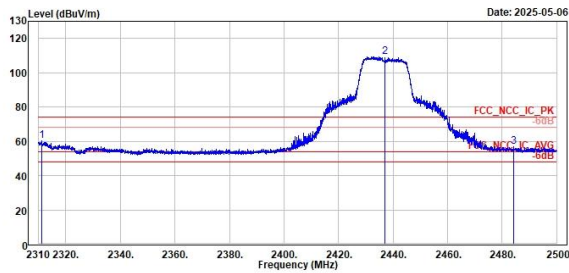


802.11g

Middle Channel (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

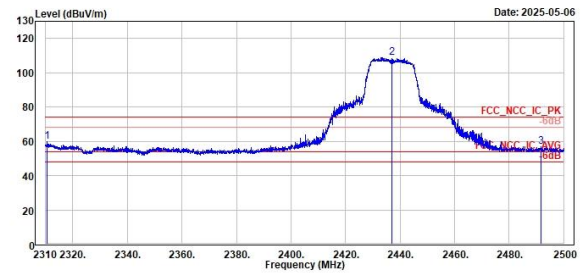


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2311.09	60.47	22.88	37.59	74.00	-13.53	302	69	Peak	Horizontal		
2 *	2437.00	109.26	70.89	38.37	74.00	35.26	302	69	Peak	Horizontal		
3	2484.14	57.07	18.59	38.48	74.00	-16.93	302	69	Peak	Horizontal		

Middle Channel (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



	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	2310.67	59.62	22.03	37.59	74.00	-14.38	313	163	Peak	Vertical		
2 *	2437.00	100.98	70.61	30.37	74.00	34.98	313	163	Peak	Vertical		
3	2491.69	56.86	18.38	38.48	74.00	-17.14	313	163	Peak	Vertical		

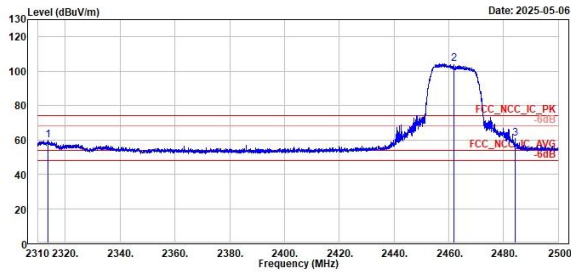
	Freq	Level	Read Level Factor	Limit	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2310.43	46.84	9.25	37.59	54.00	-7.16	313	163	Average	Vertical
2	* 2437.00	98.20	59.83	38.37	54.00	44.20	313	163	Average	Vertical
3	2490.79	49.94	5.46	38.48	54.00	-10.06	313	163	Average	Vertical

802.11g

High Channel (Horizontal) Peak



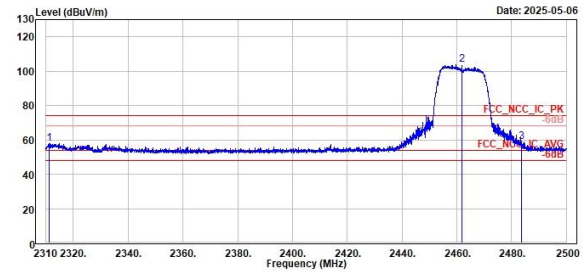
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	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	2313.66	59.71	22.11	37.60	74.00	-14.29	298	71 Peak		Horizontal		
2 *	2462.00	104.34	65.89	38.45	74.00	30.34	298	71 Peak		Horizontal		
3	2484.14	61.03	22.55	38.48	74.00	-12.97	298	71 Peak		Horizontal		



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



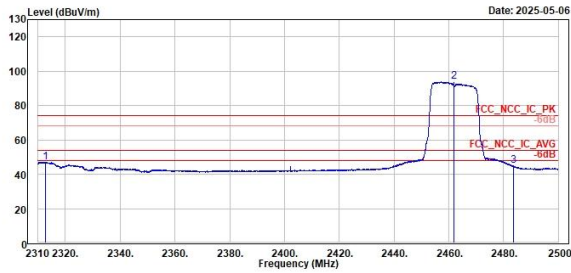
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2311.14	57.74	20.15	37.59	74.00	-16.26	310	193 Peak		Vertical		
2 *	2462.00	103.80	65.35	38.45	74.00	29.80	310	193 Peak		Vertical		
3	2483.61	58.93	20.45	38.48	74.00	-15.07	310	193 Peak		Vertical		

802.11g

High Channel (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

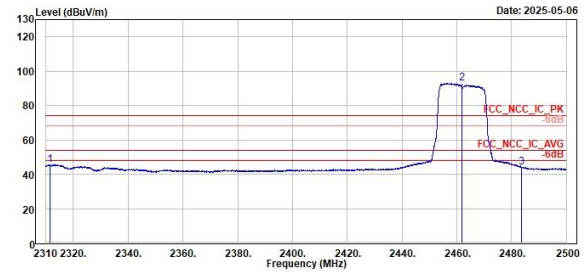


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2312.66	47.18	9.58	37.60	54.00	-6.82	298	71	Average	Horizontal		
2 *	2462.00	93.77	55.32	38.45	54.00	39.77	298	71	Average	Horizontal		
3	2483.50	44.76	6.28	38.48	54.00	-9.24	298	71	Average	Horizontal		

High Channel (Vertical) Average



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



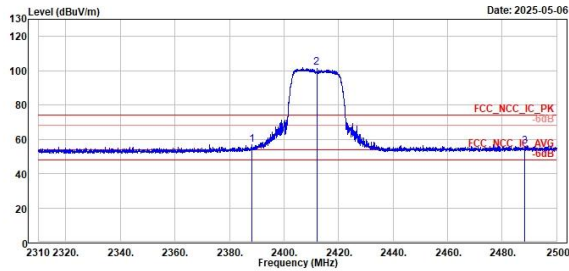
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2311.38	45.67	8.08	37.59	54.00	-8.33	310	193	Average	Vertical		
2 *	2462.00	92.88	54.43	38.45	54.00	38.88	310	193	Average	Vertical		
3	2483.76	44.20	5.72	38.48	54.00	-9.80	310	193	Average	Vertical		

802.11n HT20

Low Channel (Horizontal) Peak



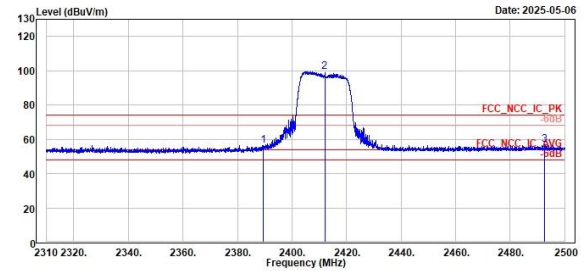
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2388.19	57.02	18.95	38.07	74.00	-16.98	313	69	Peak	Horizontal		
2 *	2412.00	102.00	63.76	38.24	74.00	28.00	313	69	Peak	Horizontal		
3	2488.17	55.93	17.45	38.48	74.00	-18.07	313	69	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



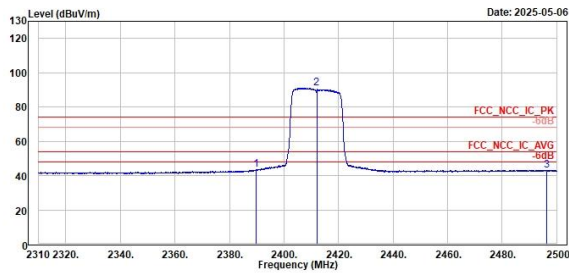
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2389.61	56.44	18.36	38.08	74.00	-17.56	283	171	Peak	Vertical		
2 *	2412.00	99.54	61.38	38.24	74.00	25.54	283	171	Peak	Vertical		
3	2492.64	56.75	18.26	38.49	74.00	-17.25	283	171	Peak	Vertical		

802.11n HT20

Low Channel (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

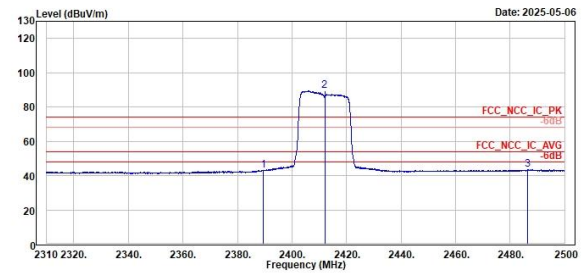


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.00	43.33	5.25	38.08	54.00	-10.67	313	69	Average	Horizontal		
2 *	2412.00	91.13	52.69	38.24	54.00	37.13	313	69	Average	Horizontal		
3	2496.25	43.20	4.71	38.49	54.00	-10.80	313	69	Average	Horizontal		

Low Channel (Vertical) Average



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



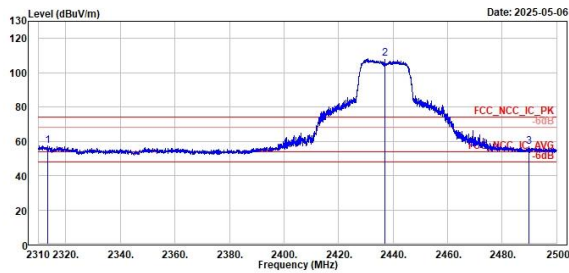
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.42	43.11	5.03	38.08	54.00	-10.89	283	171	Average	Vertical		
2 *	2412.00	89.28	51.04	38.24	54.00	35.28	283	171	Average	Vertical		
3	2486.37	43.44	4.96	38.48	54.00	-10.56	283	171	Average	Vertical		

802.11n HT20

Middle Channel (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

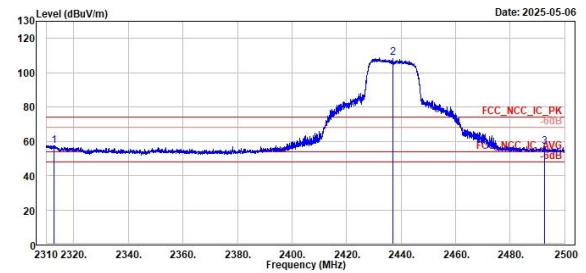


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2313.42	57.38	19.70	37.68	74.00	-16.70	100	28	Peak	Horizontal		
2 *	2437.00	108.09	69.72	38.37	74.00	34.09	100	28	Peak	Horizontal		
3	2489.74	56.60	18.12	38.48	74.00	-17.40	100	28	Peak	Horizontal		

Middle Channel (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



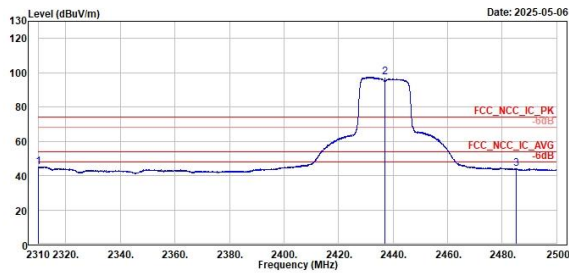
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2312.61	57.58	19.08	37.60	74.00	-16.42	314	190	Peak	Vertical		
2 *	2437.00	108.52	70.15	38.37	74.00	34.52	314	190	Peak	Vertical		
3	2492.73	56.97	18.48	38.49	74.00	-17.03	314	190	Peak	Vertical		

802.11n HT20

Middle Channel (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

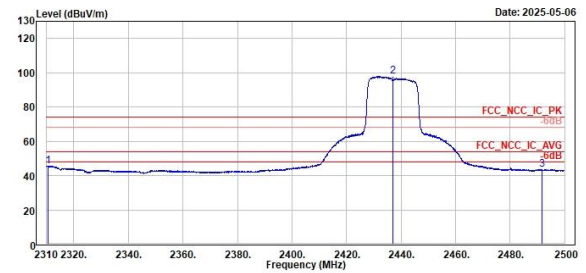


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2310.05	45.09	7.50	37.59	54.00	-8.91	100	28	Average	Horizontal		
2 *	2437.00	97.35	50.98	38.37	54.00	43.35	100	28	Average	Horizontal		
3	2485.04	44.00	5.52	38.48	54.00	-10.00	100	28	Average	Horizontal		

Middle Channel (Vertical) Average



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



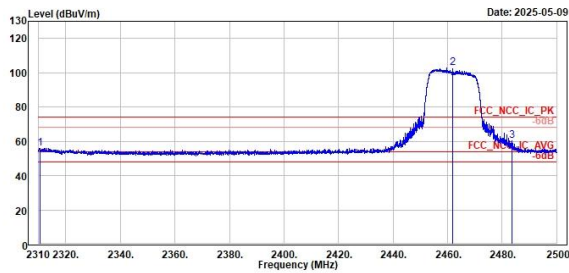
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2310.48	45.62	8.03	37.59	54.00	-8.38	314	190	Average	Vertical		
2 *	2437.00	97.89	59.52	38.37	54.00	43.89	314	190	Average	Vertical		
3	2491.59	43.57	5.09	38.48	54.00	-10.43	314	190	Average	Vertical		

802.11n HT20

High Channel (Horizontal) Peak



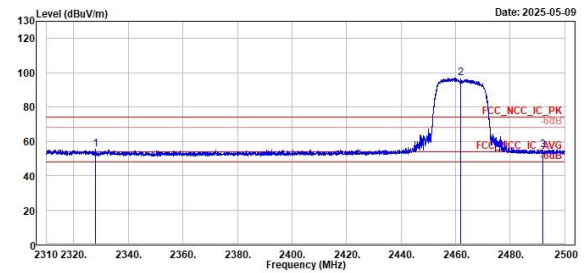
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	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	2310.57	56.00	18.41	37.59	74.00	-18.00	270	75	Peak	Horizontal		
2 *	2462.00	102.59	64.14	38.45	74.00	28.59	270	75	Peak	Horizontal		
3	2483.52	60.06	21.58	38.48	74.00	-13.94	270	75	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



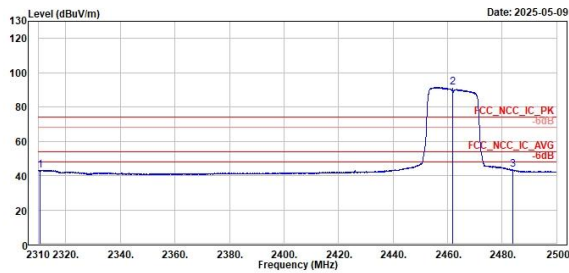
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2327.06	55.35	17.70	37.65	74.00	-18.65	243	189	Peak	Vertical		
2 *	2462.00	97.04	58.59	38.45	74.00	23.04	243	189	Peak	Vertical		
3	2491.93	55.11	16.62	38.49	74.00	-18.89	243	189	Peak	Vertical		

802.11n HT20

High Channel (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

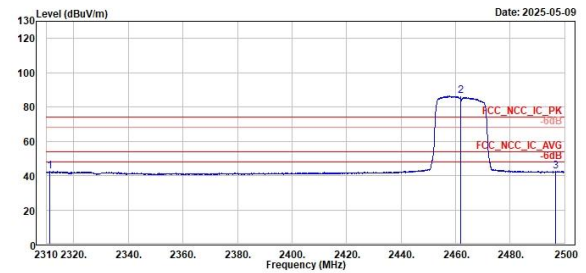


	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2310.48	43.18	5.59	37.59	54.00	-10.82	270	75 Average	Horizontal	
2 *	2462.00	91.38	52.93	38.45	54.00	37.38	270	75 Average	Horizontal	
3	2484.04	43.28	4.80	38.48	54.00	-10.72	270	75 Average	Horizontal	

High Channel (Vertical) Average



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



	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2311.24	42.30	4.71	37.59	54.00	-11.70	243	189 Average	Vertical	
2 *	2462.00	86.32	47.87	38.45	54.00	32.32	243	189 Average	Vertical	
3	2496.63	42.62	4.13	38.49	54.00	-11.38	243	189 Average	Vertical	

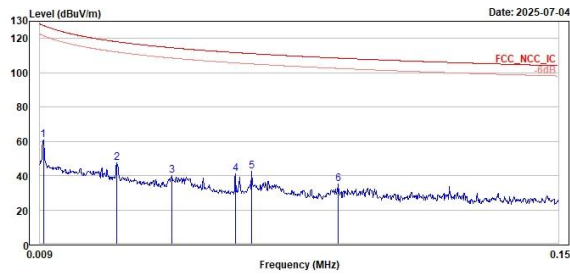
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

802.11n HT20

Middle Channel(Open) 9kHz~150kHz



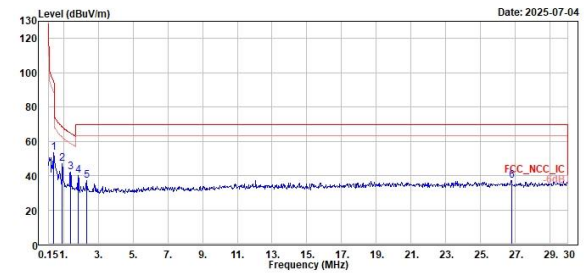
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



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	60.55	42.43	18.12	127.60	-67.05	100	333	Peak	Open	
2	0.03	47.49	27.47	20.02	118.05	-70.56	100	15	Peak	Open	
3	0.04	39.90	20.88	19.02	114.56	-74.66	100	154	Peak	Open	
4	0.06	40.91	22.86	18.05	111.72	-70.81	100	80	Peak	Open	
5	0.07	42.52	24.20	18.32	111.12	-68.60	100	175	Peak	Open	
6	0.09	35.03	17.01	18.02	108.49	-73.46	100	134	Peak	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	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.45	53.47	34.77	18.70	94.57	-41.10	100	144	Peak	Open	
2	0.93	47.19	28.34	18.85	68.27	-21.08	100	147	Peak	Open	
3	1.40	41.94	23.13	18.81	64.66	-22.72	100	144	Peak	Open	
4	1.85	40.22	21.39	18.83	69.50	-29.28	100	147	Peak	Open	
5	2.33	37.29	18.40	18.89	69.50	-32.21	100	145	Peak	Open	
6	26.78	37.03	14.02	23.01	69.50	-32.47	100	100	Peak	Open	

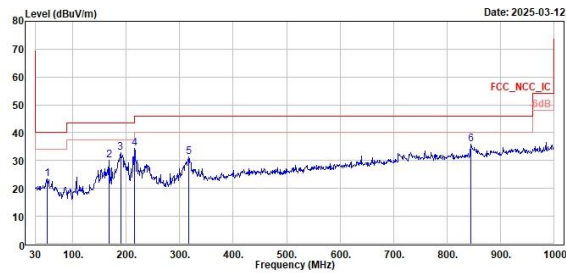
Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

802.11n HT20

Middle Channel (Horizontal)



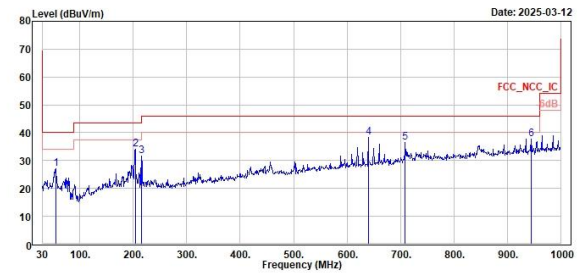
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	51.34	23.36	30.21	-6.85	40.00	-16.64		269		0 Peak	Horizontal	
2	167.74	30.03	36.69	-6.66	43.50	-13.47		170		360 Peak	Horizontal	
3	189.08	32.97	41.83	-8.86	43.50	-10.53		100		225 Peak	Horizontal	
4	215.27	34.33	43.71	-9.38	43.50	-9.17		100		193 Peak	Horizontal	
5	316.15	31.23	37.11	-5.88	46.00	-14.77		100		0 Peak	Horizontal	
6	844.00	35.95	31.96	3.99	46.00	-10.05		100		27 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	dB	cm	deg			
1	55.22	27.17	34.16	-6.99	40.00	-12.83		200		261 Peak	Vertical	
2	203.63	34.16	43.71	-9.55	43.50	-9.34		105		360 Peak	Vertical	
3	215.27	31.75	41.13	-9.38	43.50	-11.75		100		340 Peak	Vertical	
4	640.13	38.27	37.46	0.81	46.00	-7.73		100		212 Peak	Vertical	
5	709.00	36.61	34.66	1.95	46.00	-9.39		200		41 Peak	Vertical	
6	944.71	37.66	32.40	5.26	46.00	-8.34		100		260 Peak	Vertical	

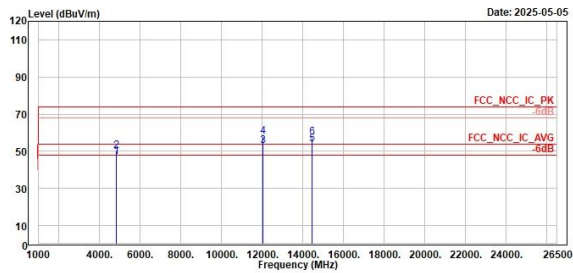
Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

802.11b

Low Channel (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

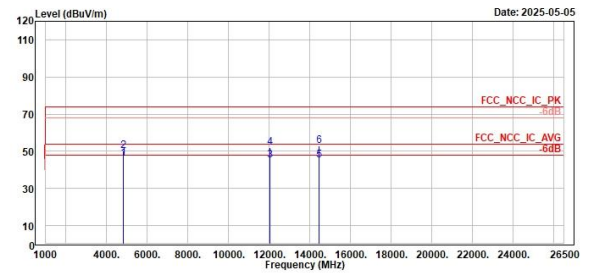


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4824.00	47.08	56.27	-9.19	54.00	-6.92	100	316	Average	Horizontal		
2	4824.00	50.15	59.34	-9.19	74.00	-23.85	100	316	Peak	Horizontal		
3	12060.00	53.01	52.66	0.35	54.00	-0.99	100	83	Average	Horizontal		
4	12060.00	58.15	57.80	0.35	74.00	-15.85	100	83	Peak	Horizontal		
5	14472.00	53.95	50.61	3.34	54.00	-0.05	100	258	Average	Horizontal		
6	14472.00	57.46	54.12	3.34	74.00	-16.54	100	258	Peak	Horizontal		

Low Channel (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



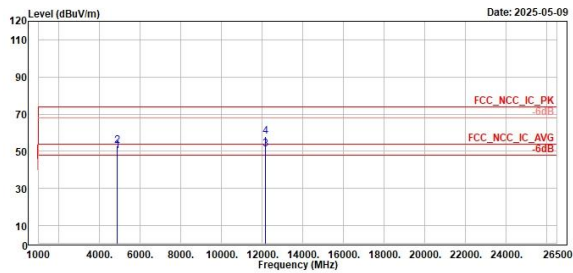
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4824.00	45.99	55.18	-9.19	54.00	-8.01	337	194	Average	Vertical		
2	4824.00	49.99	59.18	-9.19	74.00	-24.01	337	194	Peak	Vertical		
3	12060.00	44.98	44.63	0.35	54.00	-9.02	100	294	Average	Vertical		
4	12060.00	52.06	51.71	0.35	74.00	-21.94	100	294	Peak	Vertical		
5	14472.00	45.04	41.70	3.34	54.00	-8.96	101	360	Average	Vertical		
6	14472.00	52.72	49.38	3.34	74.00	-21.28	101	360	Peak	Vertical		

802.11b

Middle Channel (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

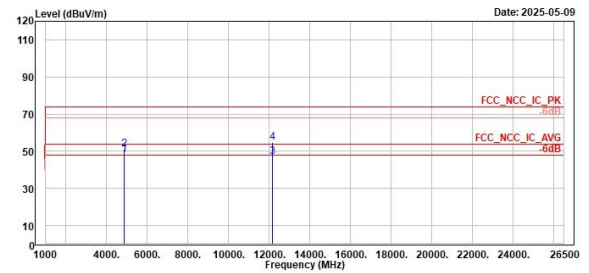


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4874.00	50.30	59.34	-9.04	54.00	-3.70	100	59	Average	Horizontal		
2	4874.00	52.74	61.78	-9.04	74.00	-21.26	100	59	Peak	Horizontal		
3	12185.00	51.30	50.69	0.61	54.00	-2.70	105	93	Average	Horizontal		
4	12185.00	57.85	57.24	0.61	74.00	-16.15	105	93	Peak	Horizontal		

Middle Channel (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	4874.00	48.22	57.26	-9.04	54.00	-5.78	116	192	Average	Vertical		
2	4874.00	51.02	60.06	-9.04	74.00	-22.98	116	192	Peak	Vertical		
3	12185.00	47.00	46.39	0.61	54.00	-7.00	100	2	Average	Vertical		
4	12185.00	54.93	54.32	0.61	74.00	-19.07	100	2	Peak	Vertical		

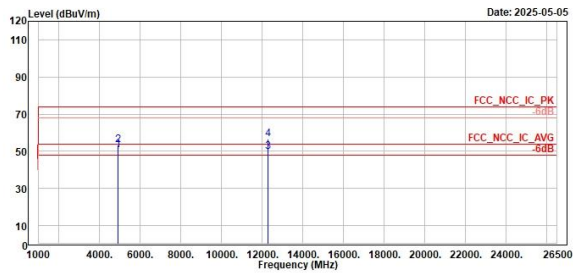
802.11b

High Channel (Horizontal)

High Channel (Vertical)



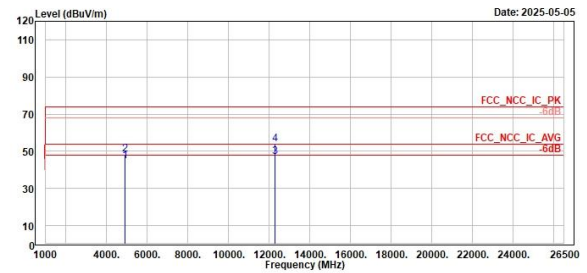
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	4924.00	50.77	59.60	-8.83	54.00	-3.23	100	360	Average	Horizontal		
2	4924.00	53.21	62.04	-8.83	74.00	-20.79	100	360	Peak	Horizontal		
3	12310.00	49.71	48.87	0.84	54.00	-4.29	100	84	Average	Horizontal		
4	12310.00	56.78	55.94	0.84	74.00	-17.22	100	84	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	dB	cm	deg			
1	4924.00	44.56	53.39	-8.83	54.00	-9.44	100	38	Average	Vertical		
2	4924.00	48.47	57.30	-8.83	74.00	-25.53	100	38	Peak	Vertical		
3	12310.00	47.16	46.32	0.84	54.00	-6.84	110	268	Average	Vertical		
4	12310.00	53.71	52.87	0.84	74.00	-20.29	110	268	Peak	Vertical		

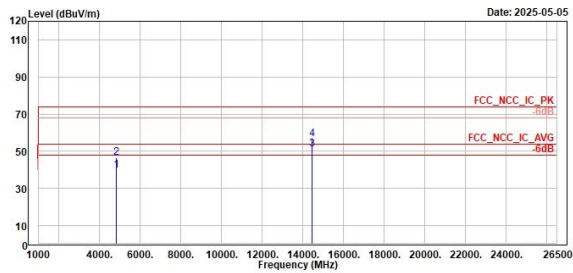
802.11g

Low Channel (Horizontal)

Low Channel (Vertical)



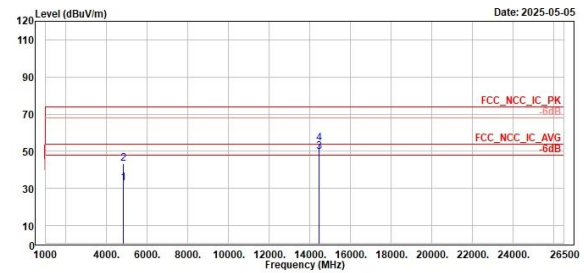
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	4824.00	39.63	48.82	-9.19	54.00	-14.37	100	368	Average	Horizontal		
2	4824.00	46.36	55.55	-9.19	74.00	-27.64	100	368	Peak	Horizontal		
3	14472.00	51.22	47.88	3.34	54.00	-2.78	100	267	Average	Horizontal		
4	14472.00	56.48	53.14	3.34	74.00	-17.52	100	267	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



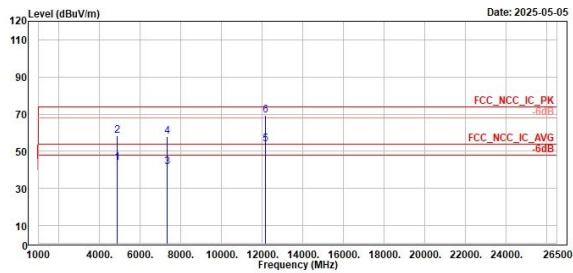
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	4824.00	32.94	42.13	-9.19	54.00	-21.06	300	0	Average	Vertical		
2	4824.00	43.17	52.36	-9.19	74.00	-30.83	300	0	Peak	Vertical		
3	14472.00	49.57	46.23	3.34	54.00	-4.43	104	19	Average	Vertical		
4	14472.00	54.47	51.13	3.34	74.00	-19.53	104	19	Peak	Vertical		

802.11g

Middle Channel (Horizontal)



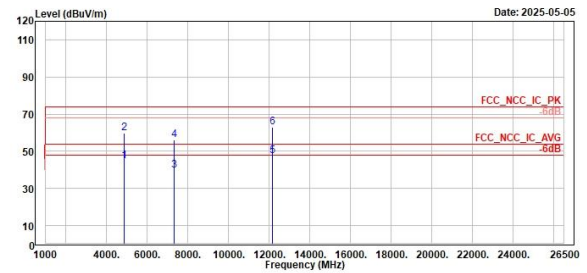
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



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	4874.00	43.93	52.97	-9.04	54.00	-10.07	100	316	Average	Horizontal	
2	4874.00	58.58	67.62	-9.04	74.00	-15.42	100	316	Peak	Horizontal	
3	7311.00	41.44	48.21	-6.77	54.00	-12.56	100	276	Average	Horizontal	
4	7311.00	57.78	64.55	-6.77	74.00	-16.22	100	276	Peak	Horizontal	
5	12185.00	53.82	53.21	0.61	54.00	-0.18	100	83	Average	Horizontal	
6	12185.00	69.42	68.81	0.61	74.00	-4.58	100	83	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	4874.00	44.56	53.60	-9.04	54.00	-9.44	280	160	Average	Vertical	
2	4874.00	59.64	68.68	-9.04	74.00	-14.36	280	160	Peak	Vertical	
3	7311.00	39.69	46.46	-6.77	54.00	-14.31	100	139	Average	Vertical	
4	7311.00	56.01	62.78	-6.77	74.00	-17.99	100	139	Peak	Vertical	
5	12185.00	47.66	47.05	0.61	54.00	-6.34	100	82	Average	Vertical	
6	12185.00	63.14	62.53	0.61	74.00	-10.86	100	82	Peak	Vertical	

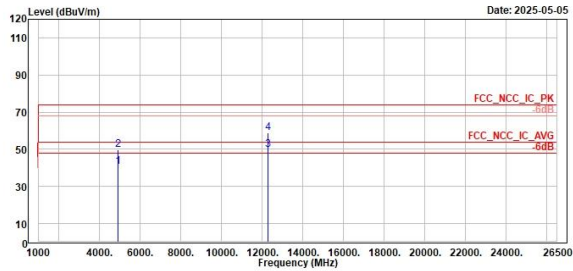
802.11g

High Channel (Horizontal)

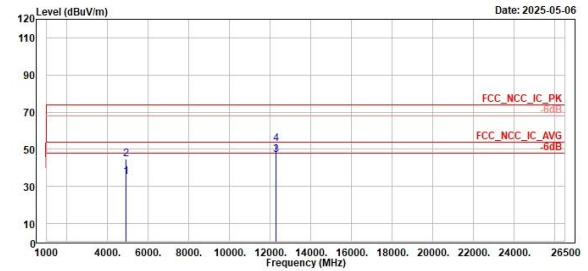
High Channel (Vertical)



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



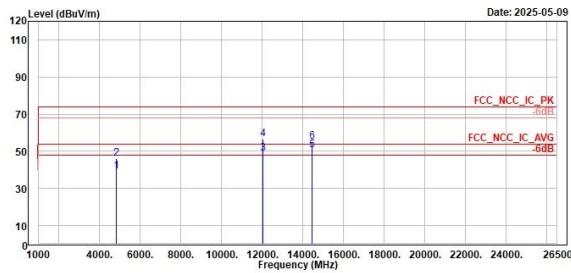
802.11n HT20

Low Channel (Horizontal)

Low Channel (Vertical)



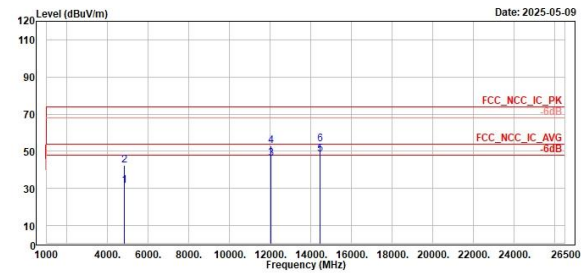
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	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	4824.00	39.37	48.56	-9.19	54.00	-14.63	100	14	Average	Horizontal		
2	4824.00	46.01	55.20	-9.19	74.00	-27.99	100	14	Peak	Horizontal		
3	12060.00	48.66	48.31	0.35	54.00	-5.34	100	114	Average	Horizontal		
4	12060.00	56.53	56.18	0.35	74.00	-17.47	100	114	Peak	Horizontal		
5	14472.00	50.77	47.43	3.34	54.00	-3.23	116	267	Average	Horizontal		
6	14472.00	55.39	52.05	3.34	74.00	-18.61	116	267	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



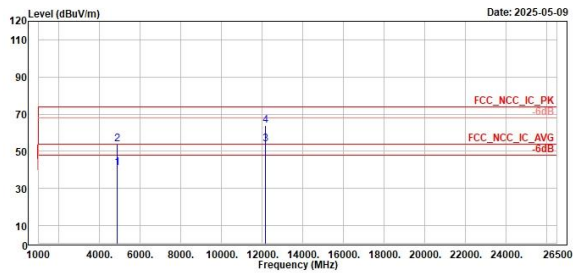
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4824.00	31.44	48.63	-9.19	54.00	-22.56	382	0	Average	Vertical		
2	4824.00	42.46	51.65	-9.19	74.00	-31.54	382	0	Peak	Vertical		
3	12060.00	46.31	45.96	0.35	54.00	-7.69	100	347	Average	Vertical		
4	12060.00	52.79	52.44	0.35	74.00	-21.21	100	347	Peak	Vertical		
5	14472.00	48.44	45.10	3.34	54.00	-5.56	107	25	Average	Vertical		
6	14472.00	53.67	50.33	3.34	74.00	-20.33	107	25	Peak	Vertical		

802.11n HT20

Middle Channel (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

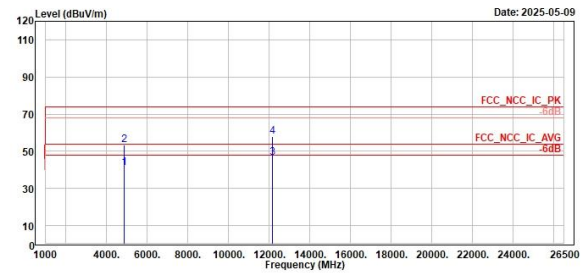


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4874.00	41.27	50.31	-9.04	54.00	-12.73	185	17	Average	Horizontal		
2	4874.00	53.70	62.74	-9.04	74.00	-20.30	185	17	Peak	Horizontal		
3	12185.00	53.87	53.26	0.61	54.00	-0.13	100	92	Average	Horizontal		
4	12185.00	64.00	63.39	0.61	74.00	-10.00	100	92	Peak	Horizontal		

Middle Channel (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	4874.00	40.84	49.88	-9.04	54.00	-13.16	113	187	Average	Vertical		
2	4874.00	53.23	62.27	-9.04	74.00	-20.77	113	187	Peak	Vertical		
3	12185.00	46.37	45.76	0.61	54.00	-7.63	310	358	Average	Vertical		
4	12185.00	58.02	57.41	0.61	74.00	-15.98	310	358	Peak	Vertical		

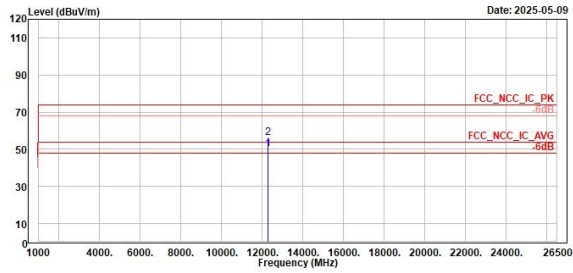
802.11n HT20

High Channel (Horizontal)

High Channel (Vertical)



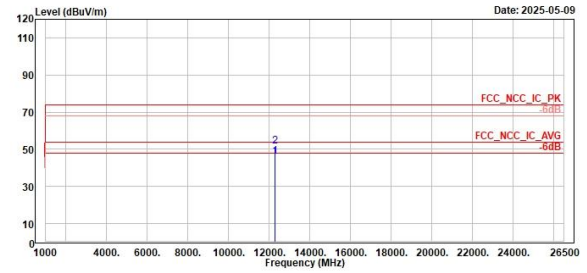
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	12310.00	50.02	49.18	0.84	54.00	-3.98	180	107	Average	Horizontal		
2	12310.00	55.94	55.10	0.84	74.00	-18.06	180	107	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	dB	cm	deg			
1	12310.00	45.97	45.13	0.84	54.00	-8.03	395	3	Average	Vertical		
2	12310.00	51.35	50.51	0.84	74.00	-22.65	395	3	Peak	Vertical		

Mains Conducted Emission, 150kHz ~ 30MHz

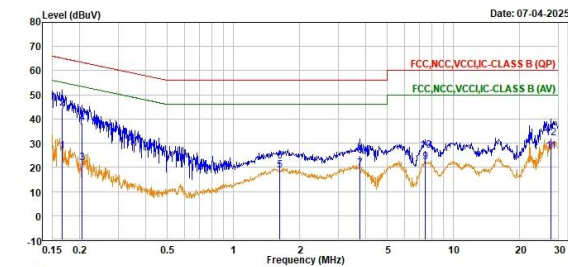
Worst Band

(Line)

(Neutral)



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

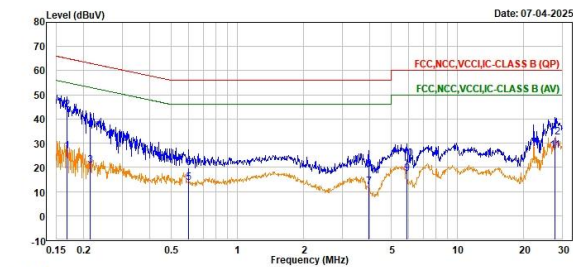


Trace: 1

	Freq	Level	Read	Factor	Limit	Over		
	MHz	dBuV	dBuV	dB	dBuV	dB	Remark	Pol/Phase Note
1	0.17	26.76	17.13	9.63	55.13	-28.37	Average	line1
2	0.17	44.37	34.74	9.63	65.13	-20.76	QP	line1
3	0.21	21.82	12.19	9.63	53.39	-31.57	Average	line1
4	0.21	38.25	28.62	9.63	63.39	-25.14	QP	line1
5	1.62	18.79	9.13	9.66	46.00	-27.21	Average	line1
6	1.62	22.68	13.02	9.66	56.00	-33.32	QP	line1
7	3.77	19.57	9.89	9.68	46.00	-26.43	Average	line1
8	3.77	25.01	15.33	9.68	56.00	-30.99	QP	line1
9	7.43	22.03	12.31	9.72	50.00	-27.97	Average	line1
10	7.43	26.86	17.14	9.72	60.00	-33.14	QP	line1
11	27.70	26.78	17.09	9.69	50.00	-23.22	Average	line1
12	27.70	32.24	22.55	9.69	60.00	-27.76	QP	line1



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



Trace: 1

	Freq	Level	Read	Factor	Limit	Over		
	MHz	dBuV	dBuV	dB	dBuV	dB	Remark	Pol/Phase Note
1	0.17	26.49	16.85	9.64	55.09	-28.60	Average	neutral
2	0.17	43.63	33.99	9.64	65.09	-21.46	QP	neutral
3	0.21	20.84	11.21	9.63	53.06	-32.22	Average	neutral
4	0.21	36.33	26.70	9.63	63.06	-26.73	QP	neutral
5	0.60	13.70	4.07	9.63	46.00	-32.30	Average	neutral
6	0.60	19.77	10.14	9.63	56.00	-36.23	QP	neutral
7	3.95	12.06	2.37	9.69	46.00	-33.94	Average	neutral
8	3.95	19.08	9.39	9.69	56.00	-36.92	QP	neutral
9	5.91	17.47	7.74	9.73	50.00	-32.53	Average	neutral
10	5.91	23.57	13.84	9.73	60.00	-36.43	QP	neutral
11	27.70	27.10	17.25	9.85	50.00	-22.90	Average	neutral
12	27.70	32.48	22.63	9.85	60.00	-27.52	QP	neutral