

Appendix A: Test Results of Radiated Emissions & Mains Conducted Emission Test

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

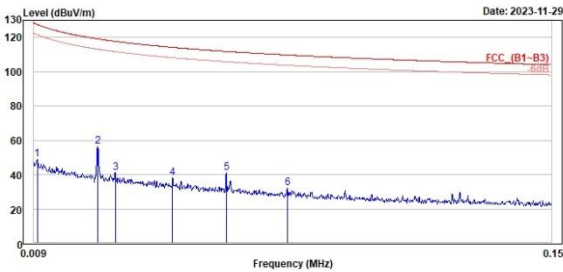
WiFi 5G 802.11a_5180MHz + WiFi 5G 802.11a_5260MHz + WiFi 2.4G 802.11ax
HE40_2422MHz + Bluetooth LE 1Mbps_2440MHz

9kHz~150kHz (Open)

150kHz~30MHz (Open)



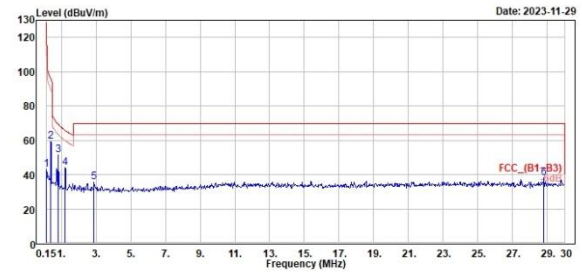
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.01	48.74	31.02	17.72	127.60	-78.86	100	214	Peak	Open	
2	0.03	56.54	37.59	18.95	119.13	-62.59	100	238	Peak	Open	
3	0.03	40.87	21.67	19.20	117.69	-76.82	100	300	Peak	Open	
4	0.05	38.14	19.00	19.14	114.19	-76.05	100	281	Peak	Open	
5	0.06	41.11	22.26	18.85	111.82	-70.71	100	14	Peak	Open	
6	0.06	31.91	13.47	18.44	109.73	-77.82	100	135	Peak	Open	



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



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.15	42.86	24.73	18.13	104.00	-61.22	100	286	Peak	Open	
2	0.39	59.34	40.55	18.79	95.81	-36.47	100	360	Peak	Open	
3	0.81	51.30	32.31	18.99	69.36	-18.06	100	3	Peak	Open	
4	1.22	43.97	24.83	19.14	65.65	-21.68	100	24	Peak	Open	
5	2.90	35.40	15.80	19.60	69.50	-34.10	100	4	Peak	Open	
6	28.81	38.21	15.89	22.32	69.50	-31.29	100	160	Peak	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

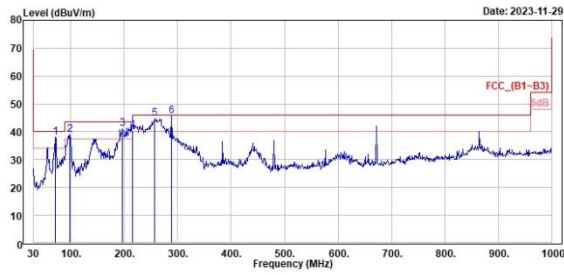
WiFi 5G 802.11a_5180MHz + WiFi 5G 802.11a_5260MHz + WiFi 2.4G 802.11ax
HE40_2422MHz + Bluetooth LE 1Mbps_2440MHz

Horizontal

Vertical



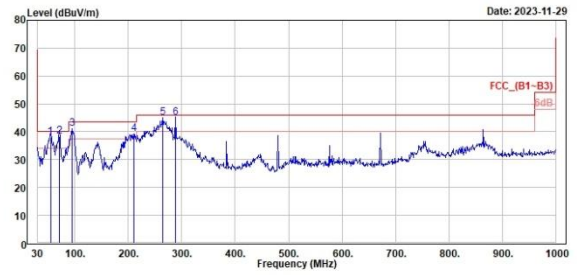
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	70.74	38.15	48.20	-10.13	40.00	-1.85	300	192	Peak	Horizontal	
2	97.90	38.89	51.31	-12.42	43.50	-4.61	200	103	Peak	Horizontal	
3	196.84	41.11	50.77	-9.66	43.50	-2.39	100	271	Peak	Horizontal	
4	215.27	40.34	50.10	-9.76	43.50	-3.16	100	280	QP	Horizontal	
5	256.98	44.80	52.67	-7.87	46.00	-1.20	100	206	Peak	Horizontal	
6	288.02	45.48	52.32	-6.84	46.00	-0.52	100	266	Peak	Horizontal	



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



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	54.25	37.92	44.91	-6.99	40.00	-2.08	100	222	QP	Vertical	
2	70.74	38.38	48.51	-10.13	40.00	-1.62	100	80	QP	Vertical	
3	94.99	41.07	53.99	-12.92	43.50	-2.43	100	184	Peak	Vertical	
4	210.42	39.38	49.33	-9.95	43.50	-4.12	200	142	Peak	Vertical	
5	263.77	44.88	52.54	-7.66	46.00	-1.12	100	180	Peak	Vertical	
6	288.02	44.96	51.80	-6.84	46.00	-1.04	137	274	QP	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 40GHz

WiFi 5G 802.11a_5180MHz + WiFi 5G 802.11a_5260MHz + WiFi 2.4G 802.11ax
HE40_2422MHz + Bluetooth LE 1Mbps_2440MHz

(Horizontal) Peak

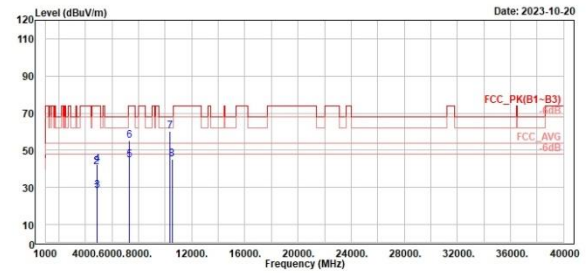
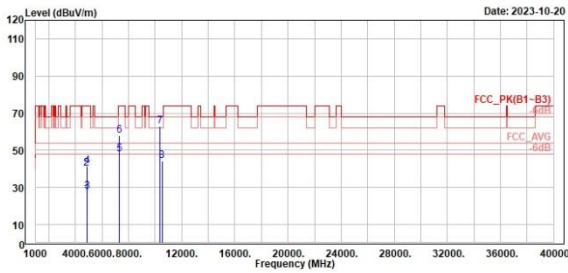
(Vertical) Peak



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



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



Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note				
Level	Line	Limit									
Factor											
dB/m	dBuV/m	dB	cm	deg							
1	4844.00	26.33	36.60	-10.27	54.00	-27.67	480	342	Average	Horizontal	
2	4844.00	40.05	50.32	-10.27	74.00	-33.95	480	342	Peak	Horizontal	
3	4880.00	27.91	38.24	-10.33	54.00	-26.09	400	142	Average	Horizontal	
4	4880.00	41.64	51.97	-10.33	74.00	-32.36	400	142	Peak	Horizontal	
5	7320.00	47.71	56.21	-8.50	54.00	-6.29	286	32	Average	Horizontal	
6	7320.00	57.78	66.28	-8.50	74.00	-16.22	286	32	Peak	Horizontal	
7	10360.00	62.00	67.51	-4.71	68.20	-5.40	278	261	Peak	Horizontal	
8	10520.00	44.17	48.46	-4.29	68.20	-24.03	300	137	Peak	Horizontal	

Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note				
Level	Line	Limit									
Factor											
dB/m	dBuV/m	dB	cm	deg							
1	4844.00	27.24	37.51	-10.27	54.00	-26.76	280	169	Average	Vertical	
2	4844.00	41.07	51.34	-10.27	74.00	-32.93	280	169	Peak	Vertical	
3	4880.00	28.37	38.70	-10.33	54.00	-25.63	200	360	Average	Vertical	
4	4880.00	42.26	52.59	-10.33	74.00	-31.74	200	360	Peak	Vertical	
5	7320.00	44.86	53.36	-8.50	54.00	-9.14	100	326	Average	Vertical	
6	7320.00	55.17	63.67	-8.50	74.00	-18.83	100	326	Peak	Vertical	
7	10360.00	60.30	65.81	-4.71	68.20	-7.90	122	23	Peak	Vertical	
8	10520.00	45.04	49.33	-4.29	68.20	-23.16	100	3	Peak	Vertical	

Mains Conducted Emission, 150kHz ~ 30MHz

