

Antenna Specification

Equipment: Wireless Keyboard

Model: TPA-P010K

FCC ID: EMJKTPA-P010K

IC: 4251A-KTPAP010K

Trade: hp

Applicant: Primax Electronics Ltd.

Address: Siemensstrasse 12, 93055 Regensburg, Germany

Manufacturer: No.669,Ruey Kuang Road,Neihu,Taipei,114, Taiwan, R.O.C.

➤ Frequency Range: **2400MHz ~ 2500MHz, Step size: 10MHz**

➤ Antenna Info:

Type: Embedded

Brand: Primax

MN: TPA-P010K

Antenna Gain and Efficiency

Test Result											
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-2.63	-2.60	-2.62	-2.61	-2.53	-2.41	-2.26	-2.11	-1.98	-1.88	-1.81
Peak EIRP (dBm)	4.01	4.04	3.97	3.92	3.94	4.00	4.14	4.21	4.23	4.25	4.39
Directivity (dBi)	6.63	6.64	6.59	6.53	6.46	6.41	6.40	6.32	6.21	6.13	6.20
Efficiency (dB)	-2.63	-2.60	-2.62	-2.61	-2.53	-2.41	-2.26	-2.11	-1.98	-1.88	-1.81
Efficiency (%)	54.61	54.92	54.72	54.84	55.87	57.47	59.45	61.52	63.40	64.85	65.89
Gain (dBi)	4.01	4.04	3.97	3.92	3.94	4.00	4.14	4.21	4.23	4.25	4.39
NHPRP $\pm\pi/4$ (dBm)	-4.43	-4.39	-4.40	-4.38	-4.29	-4.17	-4.01	-3.86	-3.73	-3.63	-3.57
NHPRP $\pm\pi/6$ (dBm)	-6.52	-6.49	-6.48	-6.45	-6.35	-6.22	-6.06	-5.88	-5.74	-5.62	-5.54
NHPRP $\pm\pi/8$ (dBm)	-8.01	-7.98	-7.97	-7.92	-7.81	-7.67	-7.50	-7.31	-7.15	-7.01	-6.91
Upper Hem. PRP (dBm)	-8.56	-8.51	-8.49	-8.45	-8.33	-8.18	-7.99	-7.78	-7.60	-7.43	-7.30
Lower Hem. PRP (dBm)	-3.91	-3.89	-3.92	-3.92	-3.85	-3.74	-3.61	-3.48	-3.37	-3.30	-3.25

Antenna 3D Plot Matrix

All plots in this section show the total EIRP ($EIRP_{\theta} + EIRP_{\phi}$) with the +x-axis pointing out of the page, +y-axis pointing top of the page, and +z-axis pointing left of the page.

