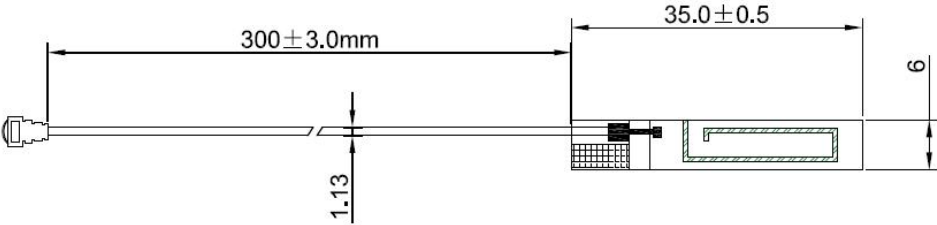


1. Antenna Description:

Antenna type	PCB antenna
Model	HX-P04L
Frequency range	2400MHz~2500MHz
Manufacturer	Dongguan Hengxin Electronic Technology Co., Ltd.
Address	No. 75, Yanghe Road, Yanggongzhou, Shatian Town, Dongguan City

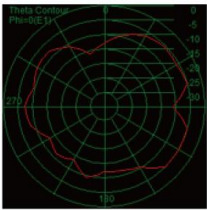
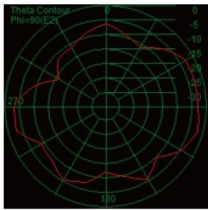
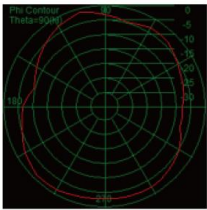
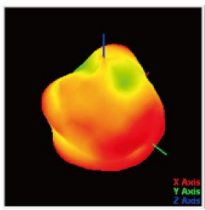
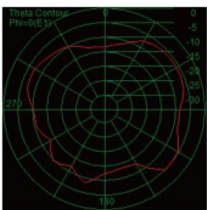
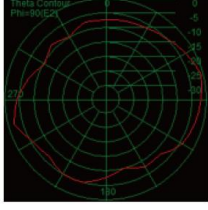
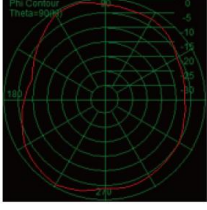
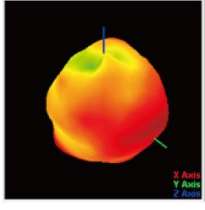
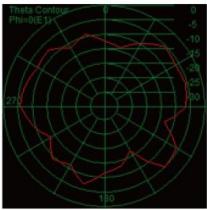
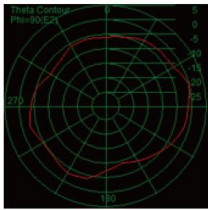
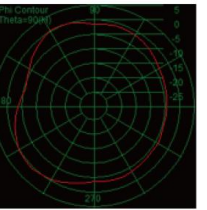
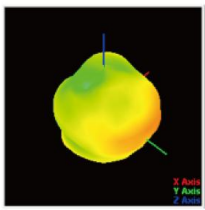
2. Antenna Photo:

Unit:mm



3. Antenna Efficiency and Gain:

Frequency(MHz)	2400	2450	2500
Efficiency (%)	58.43	60.12	61.75
Gain(dBi)	0.81	0.98	0.94

	XoZ	YoZ	XoY	3D
2400	 Theta Control Phi=0(E1) A polar plot in the XoZ plane showing a red curve on a green grid. The radial axis ranges from 0 to 5, and the angular axis ranges from 0 to 360 degrees. The curve is roughly circular with some irregularities.	 Theta Control Phi=90(E2) A polar plot in the YoZ plane showing a red curve on a green grid. The radial axis ranges from 0 to 5, and the angular axis ranges from 0 to 360 degrees. The curve is roughly circular with some irregularities.	 Phi Control Theta=90(E1) A polar plot in the XoY plane showing a red curve on a green grid. The radial axis ranges from 0 to 5, and the angular axis ranges from 0 to 360 degrees. The curve is roughly circular with some irregularities.	 A 3D surface plot showing a red, yellow, and green surface. The axes are labeled X Axis, Y Axis, and Z Axis.
2450	 Theta Control Phi=0(E1) A polar plot in the XoZ plane showing a red curve on a green grid. The radial axis ranges from 0 to 5, and the angular axis ranges from 0 to 360 degrees. The curve is roughly circular with some irregularities.	 Theta Control Phi=90(E2) A polar plot in the YoZ plane showing a red curve on a green grid. The radial axis ranges from 0 to 5, and the angular axis ranges from 0 to 360 degrees. The curve is roughly circular with some irregularities.	 Phi Control Theta=90(E1) A polar plot in the XoY plane showing a red curve on a green grid. The radial axis ranges from 0 to 5, and the angular axis ranges from 0 to 360 degrees. The curve is roughly circular with some irregularities.	 A 3D surface plot showing a red, yellow, and green surface. The axes are labeled X Axis, Y Axis, and Z Axis.
2500	 Theta Control Phi=0(E1) A polar plot in the XoZ plane showing a red curve on a green grid. The radial axis ranges from 0 to 5, and the angular axis ranges from 0 to 360 degrees. The curve is roughly circular with some irregularities.	 Theta Control Phi=90(E2) A polar plot in the YoZ plane showing a red curve on a green grid. The radial axis ranges from 0 to 5, and the angular axis ranges from 0 to 360 degrees. The curve is roughly circular with some irregularities.	 Phi Control Theta=90(E1) A polar plot in the XoY plane showing a red curve on a green grid. The radial axis ranges from 0 to 5, and the angular axis ranges from 0 to 360 degrees. The curve is roughly circular with some irregularities.	 A 3D surface plot showing a red, yellow, and green surface. The axes are labeled X Axis, Y Axis, and Z Axis.