

	深圳市韶音科技有限公司	表单编号	SKZ-QR-QP09-002
	天线规格说明书	表单版本	A/0

Bluetooth antenna specification

1. General Specifications

Model	IWE-PIFA
Antenna manufacturer	Shenzhen Shokz Co., Ltd.
Address of antenna manufacturer	Floors 1-4, Factory Building 26, Shancheng Industrial Park, Langxin Community, Shiyan Street, Bao'an District, Shenzhen, Guangdong, China.
Antenna type	PIFA Antenna
Material	FPC
Modulation Type	GFSK,8DPSK, $\pi/4$ DQPSK
Number of channels	79
Frequency Range(MHz)	2402MHz~2480MHz
Peak Gain(dBi)	-1.16 dBi
Average Gain(dBi)	-1.33 dBi
Return Loss(dB)	-10dB
Impedance(Ω)	50 Ω
Operating Temperature (°C)	0°C to +45°C
Test laboratory	SHOKZ antenna laboratory
Antenna polarization mode	Linear polarization

2. Dimension information

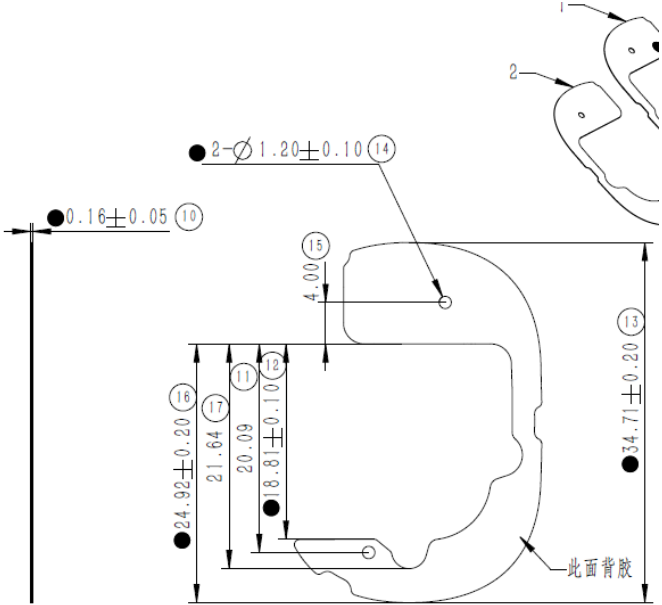
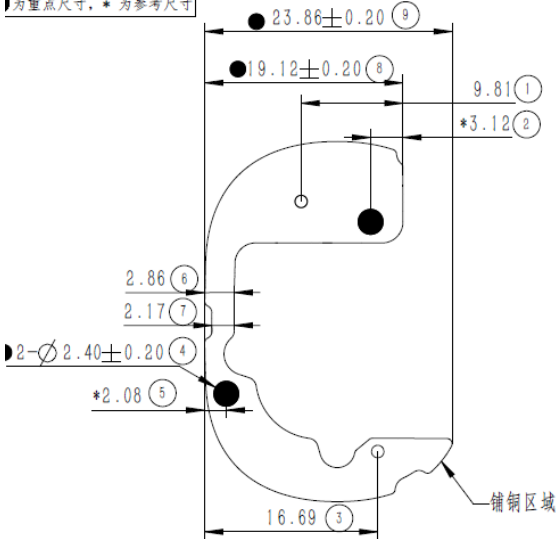
(1) Mechanical Dimensions (mm) :

34.71 × 23.86×0.15

(2) Dimension drawing:

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单位/公差/单位	
$0 < d \leq 10$	± 0.10
$10 < d \leq 50$	± 0.20
$d > 50$	± 0.50
▶ 为重点尺寸, * 为参考尺寸	



3、Antenna Gain (Peak Gain with dBi Value) : 0 dBi

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	16.49	-7.83	-1.42
2410	16.82	-7.42	-1.34
2420	17.25	-7.63	-1.3
2430	17.30	-7.62	-1.36
2440	17.32	-7.61	-1.36
2450	17.46	-7.58	-1.35
2460	17.6	-7.54	-1.36
2470	17.81	-7.49	-1.29
2480	17.96	-7.46	-1.16

4、Directivity diagram

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