

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

Bluetooth antenna specification

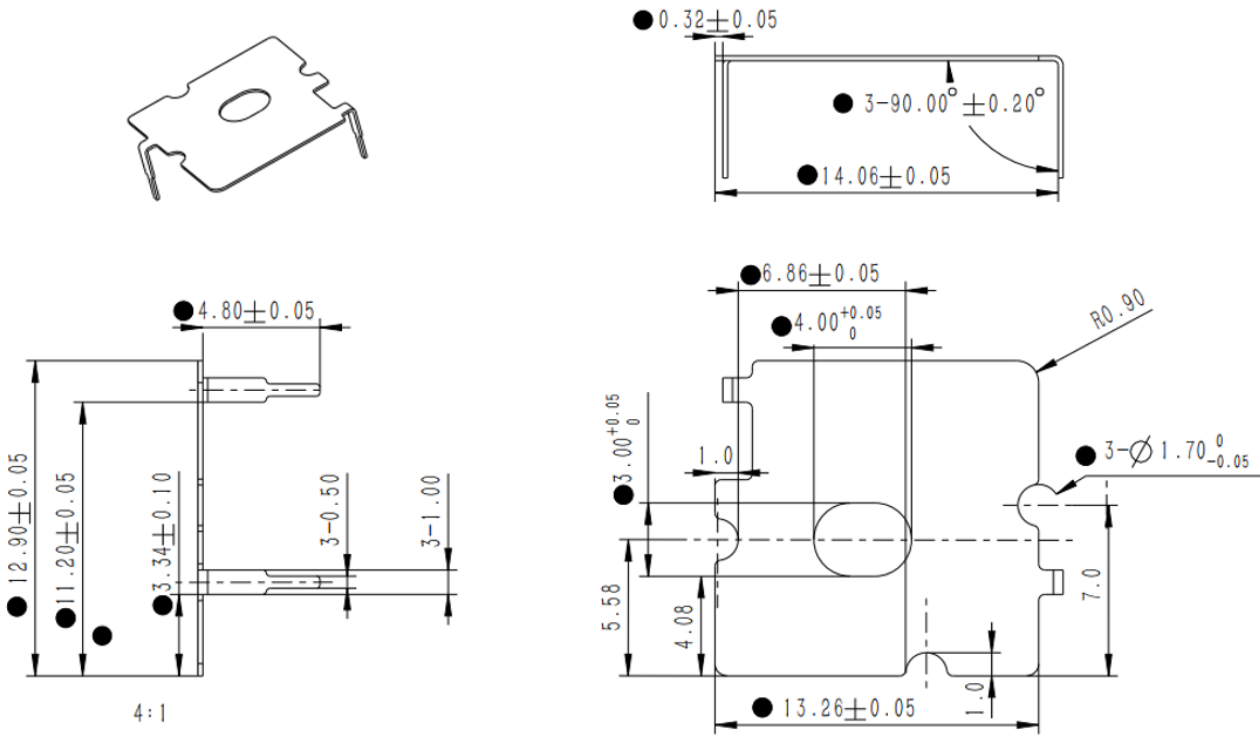
1. General Specifications

Model	SHOKZHEAR BM400/BM410/BM420-PIFA
Antenna manufacturer	Shenzhen Shokzhear Co., Ltd.
Address of antenna manufacturer	308, Building 5, Pingshan Technology Park, Lishan Road, Pingshan Community, Taoyuan Street, Nanshan District, Shenzhen, China
Antenna type	PIFA Antenna
Material	Berrylium copper
Modulation Type	GFSK,8DPSK, $\pi/4$ DQPSK
Number of channels	79
Frequency Range(MHz)	2402MHz~2480MHz
Peak Gain(dBi)	-3.92dBi
Average Gain(dBi)	-4.37dBi
Return Loss(dB)	-10dB
Impedance(Ω)	50 Ω
Operating Temperature (°C)	-40 to +85°C

2. Dimension information

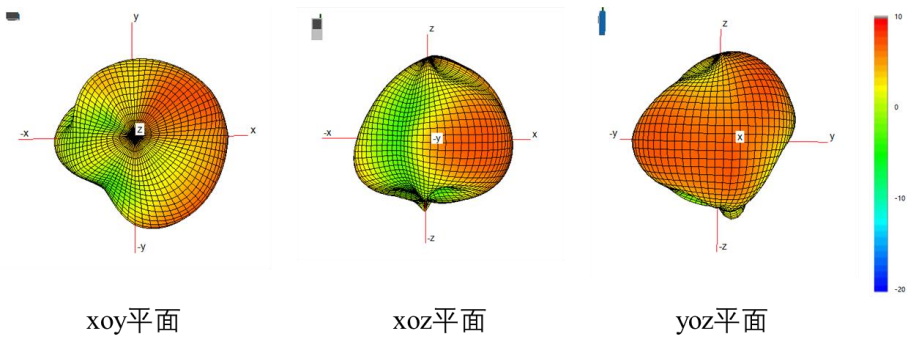
- (1) Mechanical Dimensions (mm) :
- 13.26*12.90*0.15
- (2) Dimension drawing

SHOKZ 韶音	深圳市韶音听力科技有限公司	文件编号:	SKZ-QR-QP09-001
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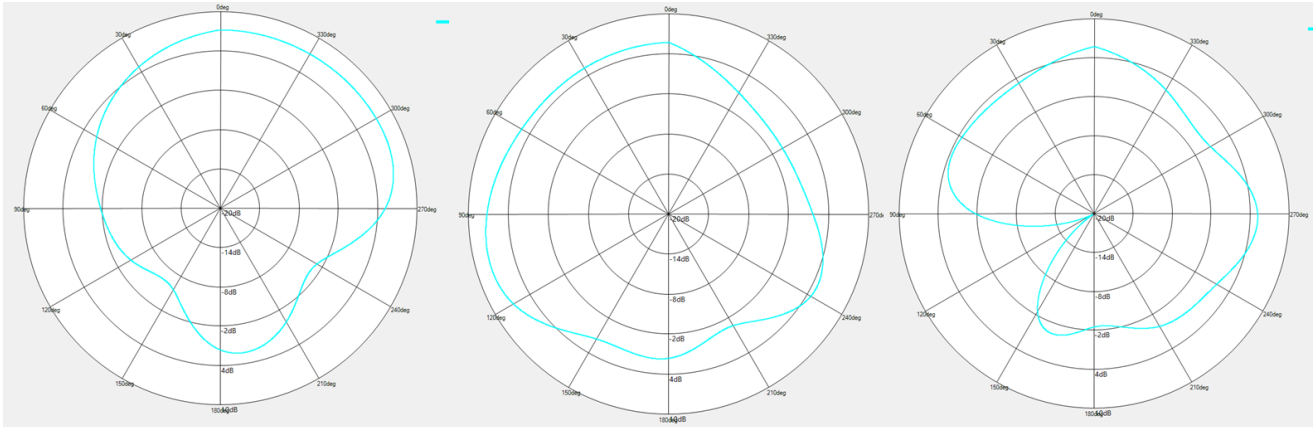
3、Directivity diagram

3D 方向图:



2D 方向图:

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theta=90°

phi=0°

phi=90°

4、Antenna Gain（Peak Gain with dBi Value）：-3.92dBi

Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2400	11.66	-9.33	-4.58
2420	11.16	-9.52	-4.63
2440	11.46	-9.41	-4.05
2460	10.07	-9.7	-4.67
2480	11.91	-9.24	-3.92