

	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	SHOKZ C120/C121-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	Beryllium copper
Modulation Type	GFSK,8DPSK, $\pi/4$ DQPSK
Number of channels	79
Frequency Range(MHz)	2402MHz~2480MHz
Peak Gain(dBi)	-1dBi
Average Gain(dBi)	-1.25dBi
Return Loss(dB)	-10dB
Impedance(Ω)	50 Ω
Operating Temperature ($^{\circ}\text{C}$)	-40 to +85 $^{\circ}\text{C}$

2. Dimension information

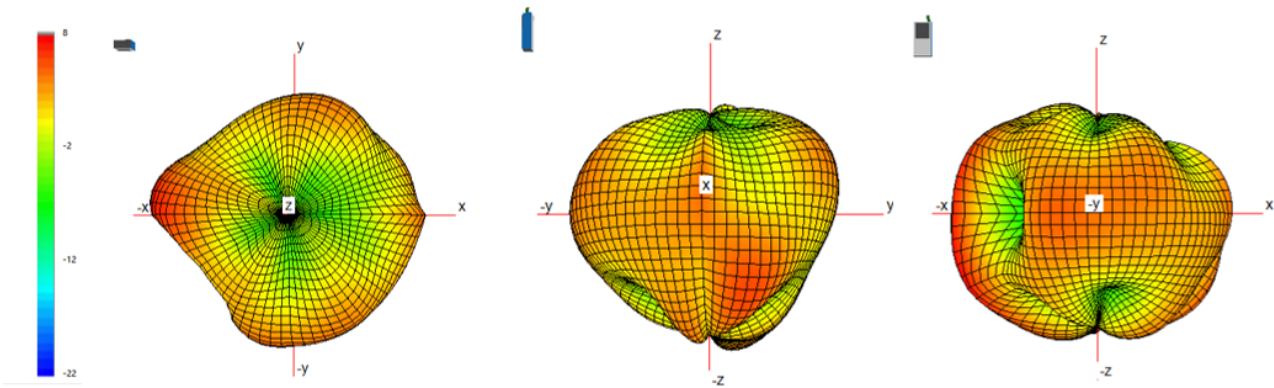
(1) Mechanical Dimensions (mm) :

18.85*15.51*0.15

(2) Dimension drawing

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		文件版本:	A/0
	Bluetooth antenna specification	页次:	第 1 页 共 1 页

3、Directivity diagram



SHOKZ 韶音	深圳市韶音科技有限公司	文件编号:	SKZ-QR-QP09-001
		文件版本:	A/0
	Bluetooth antenna specification	页次:	第 1 页 共 1 页

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

Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2400	24.46	-6.12	-1.59
2410	24.97	-6.03	-1.45
2420	25.48	-5.94	-1.30
2430	26.30	-5.80	-1.17
2440	27.12	-5.67	-1.04
2450	26.48	-5.77	-1.20
2460	25.83	-5.88	-1.36
2470	27.48	-5.61	-1.18
2480	29.13	-5.36	-1.00