

	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	
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	Loop Antenna with reusable wearing detection
Material	Sabic D10001V1
Modulation Type	GFSK,8DPSK, $\pi/4$ DQPSK
Number of channels	79
Frequency Range(MHz)	2402MHz~2480MHz
Peak Gain(dBi)	-4.48
Average Gain(dBi)	-5.22
Return Loss(dB)	-10dB
Impedance(Ω)	50 Ω
Operating Temperature (°C)	-40 to +85°C

2.Dimension information

(1) Mechanical Dimensions (mm) : 17.17mm×10.45mm

(2) Dimension drawing:

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3、Antenna Gain（Peak Gain with dBi Value）：-3.6 dBi

Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2390	9.71	-10.13	-4.48
2400	9.45	-10.25	-4.49
2410	8.82	-10.54	-4.67
2420	8.82	-10.55	-4.83
2430	8.18	-10.87	-5.09
2440	8.08	-10.93	-5.05
2450	8.05	-10.94	-5.46
2460	7.71	-11.13	-5.61
2470	7.38	-11.32	-5.66
2480	7.09	-11.5	-6
2490	6.50	-11.87	-6.08

4、Directivity diagram 有源方向图

Theta=90°

