



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

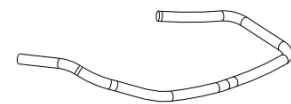
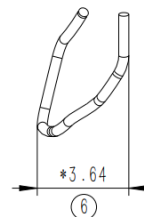
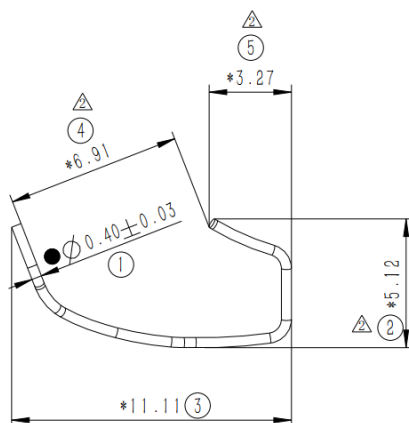
1. General Specifications

Model	SHOKZ T520-Monopole
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	Monopole Antenna
Material	Stainless Steel
Modulation Type	GFSK,8DPSK, $\pi/4$ DQPSK
Number of channels	79
Frequency Range(MHz)	2402MHz~2480MHz
Peak Gain(dBi)	-5.22
Average Gain(dBi)	-5.57
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) : $\Phi 0.4 \pm 0.03\text{mm}$

(2) Dimension drawing:



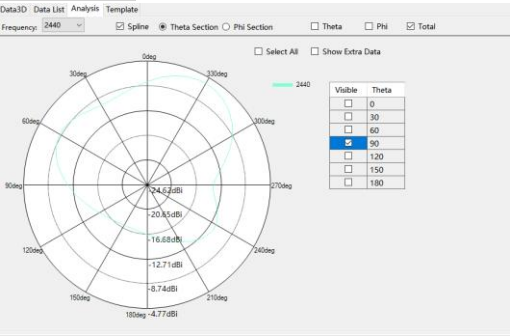
3D View

3、Antenna Gain（Peak Gain with dBi Value）：-5.22dBi

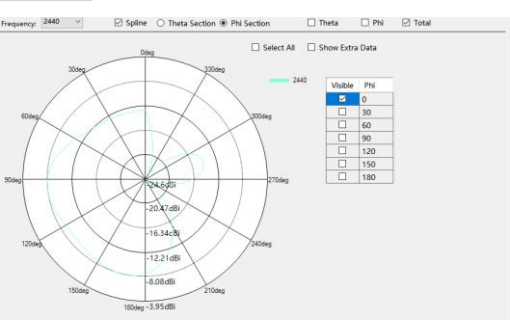
Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2390	9.13	-10.39	-5.82
2405	9.17	-10.38	-5.71
2420	9.09	-10.42	-6.03
2435	9.67	-10.15	-5.49
2450	10.19	-9.92	-5.22
2465	10.56	-9.76	-5.39
2480	10.51	-9.78	-5.36

4、Directivity diagram 有源方向图

Theta=90°



Phi=0°



Phi=90°

SHOKZ 韶音	深圳市韶音科技有限公司	文件编号:	SKZ-QR-QP09-001
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