

	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

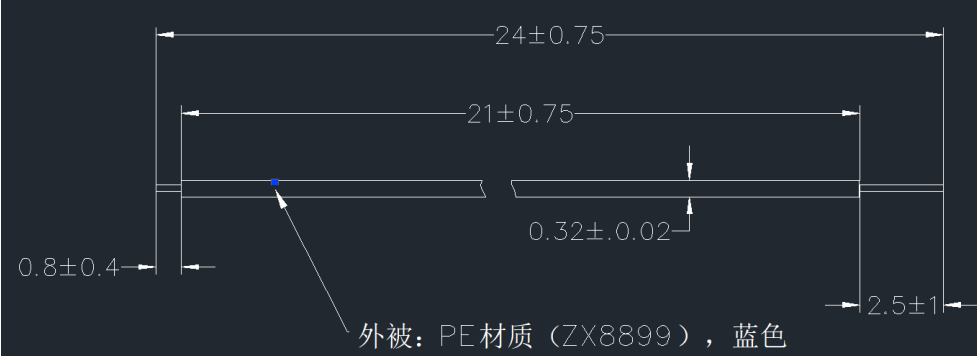
Model	OPENDOTS 2/ SHOKZ E320
Antenna manufacturer	Shenzhen Shokz Co., Ltd.
Address of antenna manufacturer	Floors 1-4, Factory Building 26, Shancheng Industrial Park, Shixin Community, Langxin Community, Shiyan Street, Bao'an District, Shenzhen, Guangdong, China
Antenna type	Monopole Antenna
Material	Copper
Modulation Type	BR/EDR: GFSK,8DPSK, $\pi/4$ DQPSK LE: GFSK
Number of channels	79
Frequency Range(MHz)	2402MHz~2480MHz
Peak Gain(dBi)	-3.07 (Right); -3.61 (Left)
Average Gain(dBi)	-3.36 (Right); -3.87 (Left)
Return Loss(dB)	-10
Impedance(Ω)	50
Operating Temperature (°C)	-40 to +85°C

2. Dimension information

(1) Mechanical Dimensions (mm) :

24mm

(2) Dimension drawing:



3、Antenna Gain（Peak Gain with dBi Value）：-3.07 dBi

右耳：

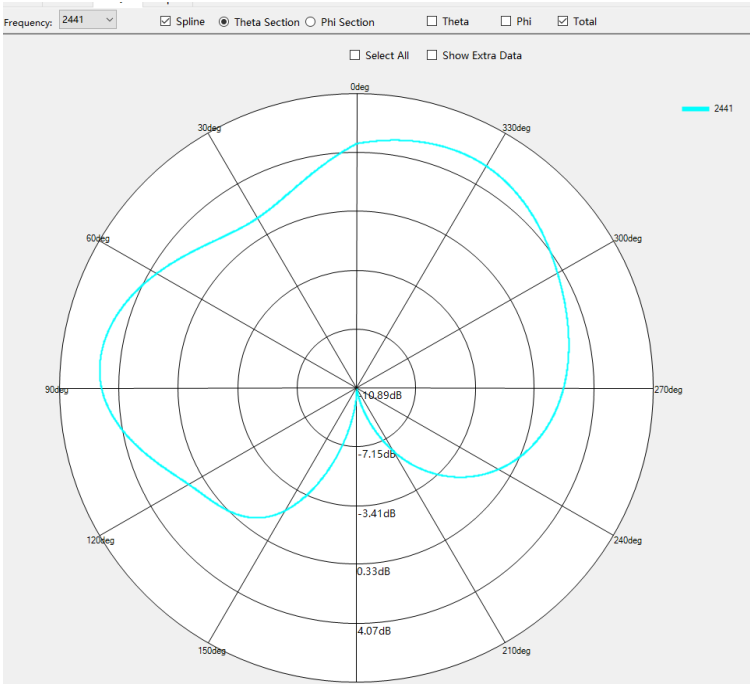
Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2400	10.69489554	-9.708234528	-3.290183893
2420	11.17435967	-9.517773542	-3.066467397
2440	12.04986197	-9.190179278	-3.230588913
2460	11.2452268	-9.490317809	-3.471678215
2480	10.69967754	-9.706293105	-3.763954718

左耳：

Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2400	9.642159396	-10.15825693	-4.323565894
2420	9.806786905	-10.08473262	-4.205261535
2440	10.60894081	-9.743279734	-3.616938908
2460	10.06251134	-9.972936172	-3.628476132
2480	10.18730569	-9.919406618	-3.612065697

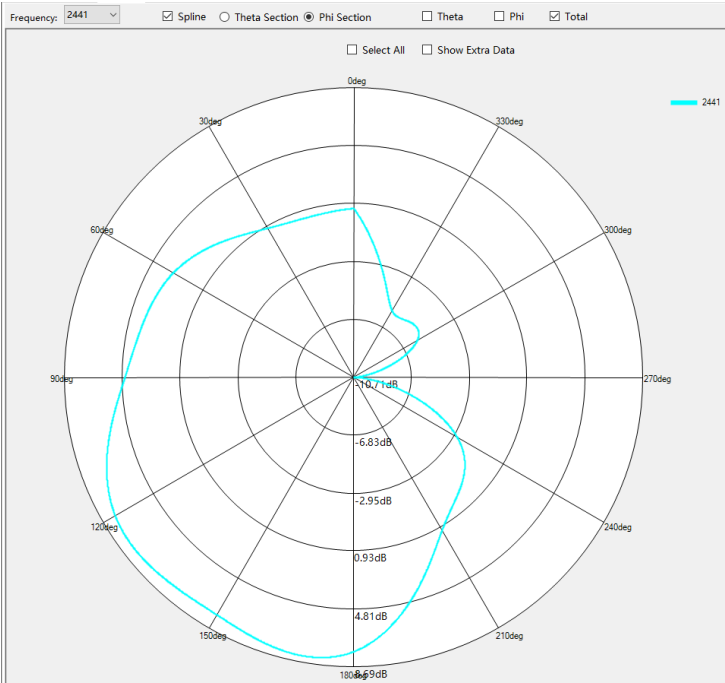
4、Directivity diagram

右耳方向图：



$\theta = 90^\circ$

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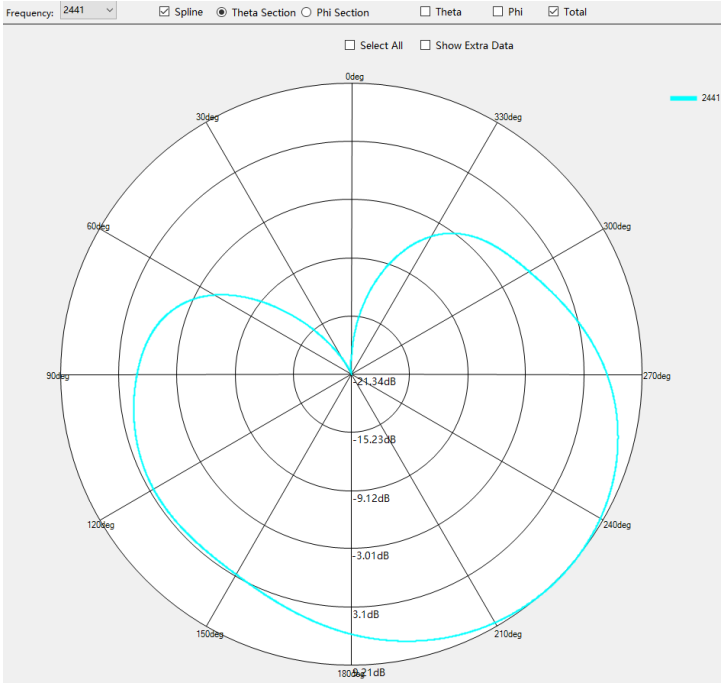
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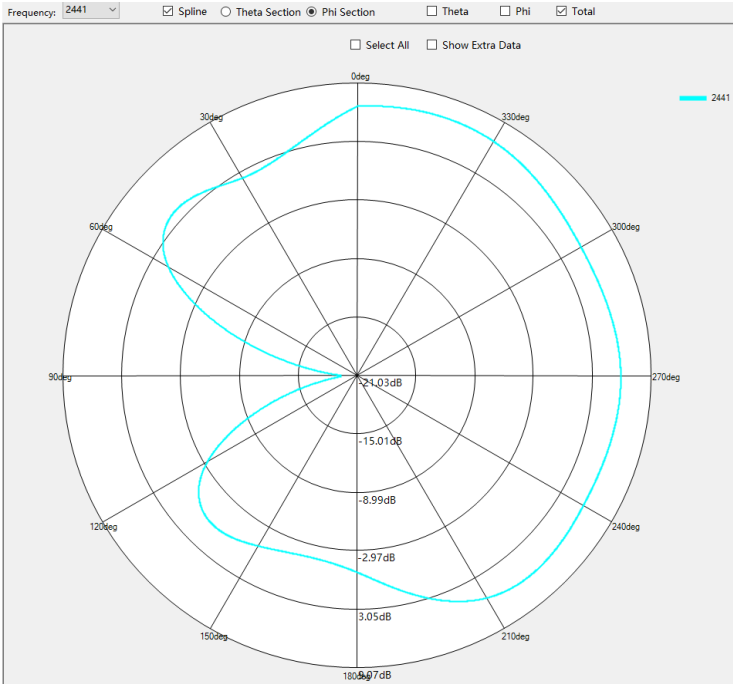
$\varphi = 90^{\circ}$

左耳方向图:

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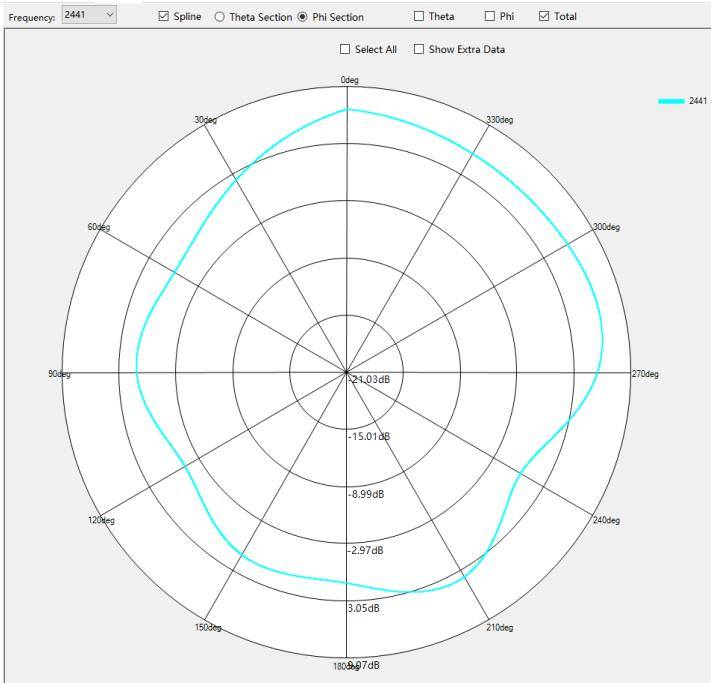


$\theta = 90^\circ$



$\varphi = 0^\circ$

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$\varphi = 90^\circ$