

Antenna specification

APPROVAL

manufacturer's name	Shenzhen Horn Audio Co.,Ltd.	frequency band	2400MHZ ~ 2500MHZ
manufacturer's address	No. 6,4th Guihua Road, Pingshan New District, Shenzhen City, Guangdong Province, P.R. China	versions	V1.2
Antenna model number	JX179-16-ANT	colour	Black
antenna size	FPC=L38.9*W4.9mm Cable=L50mm	Antenna PK Gain	2.87dBi
designed By	Yao Hong guang	Day	2023-06-02

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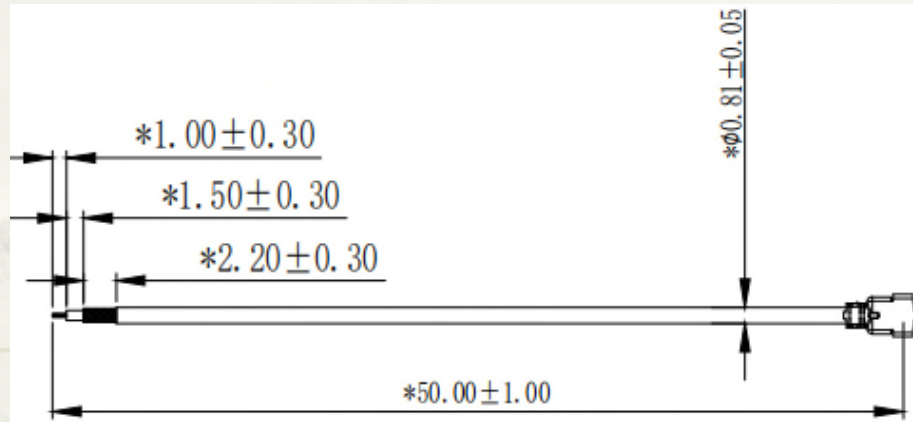
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1. Overview of antenna parameters

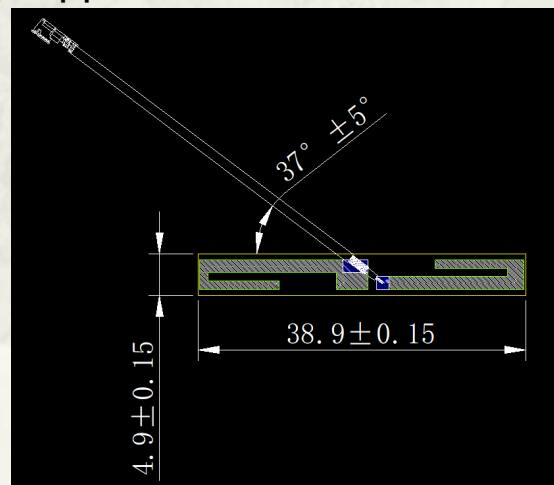
Frequency	2400~2500MHZ
Effi AVG	57.2%
PK Gain	2.87dBi
SWR	<3
Antenna Type	Dipole antenna(FPC+Cable)
PART NO	JX179-16-ANT
Antenna size	FPC=L38.9*W4.9mm Cable=L50mm

2. Antenna appearance and dimensions

1. The second generation of the terminal buckle, one end of the cable stripped, appearance dimensions as shown in the following figure (Unit: mm)



2. The finished antenna, appearance dimensions as shown in the following figure (Unit: mm)



3. Antenna parameter details

3.1 Free space-Antenna efficiency

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain(dBi)
2400	58.17%	-2.35	2.84
2410	57.94%	-2.37	2.79
2420	58.01%	-2.36	2.79
2430	57.82%	-2.38	2.81
2440	57.43%	-2.41	2.81
2450	57.31%	-2.42	2.85
2460	56.99%	-2.44	2.87
2470	56.11%	-2.51	2.83
2480	54.90%	-2.6	2.71
AVG	57.2%	-2.43	2.81

S11 Parameters

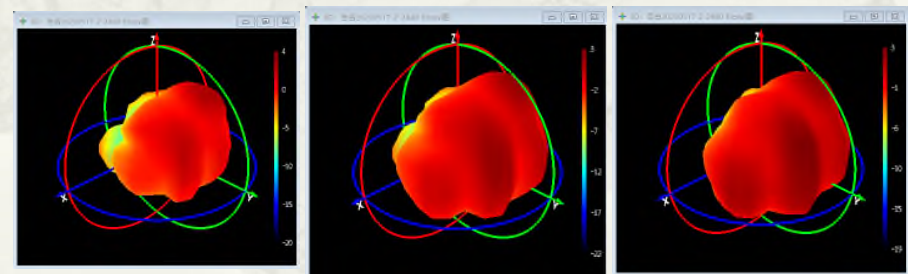
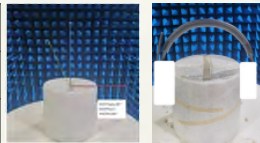
Antenna pattern:



XOY: Theta=90°

XOZ: Phi=0°

YOZ: Phi=90°



antenna position



4. Salt spray test repor

盐水喷雾试验记录表

编号: QR/QC-WI09-01版本B

试验时间: 2023年3月21日14:00 至3月23日14:00 共计 48 小时					
(喷雾时间) 试验若有中断, 其原因为:					
☒ 盐水试验法: 试验室温度35℃, 饱和空气桶温度47℃ ☐ 腐蚀试验法: 试验室温度35℃, 饱和空气桶温度47℃					
1. 氯化钠品质	99.50%		2. 纯净水品质	纯净水	
3. 喷雾采取PH值	雾化前6.5~7.2		4. 试验液PH值	6.0	
5. 压力表	1.0 Kgf/cm		6. 试验室相对湿度	30%	
7. 试验室温度	35 ℃		8. 压力桶温度	47 ℃	
9. 盐水浓度	5±0.1 %		10. 其他		
供应商名称	产品品名	试样数量	试验样品		判定依据
大显	JX179-16 同轴线	2PCS			合格 依GB6461-2002标准 等级Ra9
判定: 1. 依标准样品判定 2. 依GB6461-2002标准判定					
3. 依不良限度样品判定 4. 依其他方法判定					
备注: 试验结束后, 如果试样状态允许, 可不经清洗进行检查。如果污垢和盐类沉积物等掩盖了缺陷而使检查难以进行时, 宜用蘸有中性肥皂液的海绵对表面进行擦拭, 然后用水漂洗。但在此过程中不应施加压力, 以免洗掉腐蚀产物而造成评级偏高。清洗液不应覆盖层产生任何破坏。中途或定期检查时不允试清洗试样, 否则影响测试结果					

审核: 胡子寅

测试员: 李朝花



The End