



深圳市一加一无线通讯技术有限公司

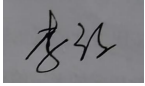
Shenzhen Yijiaojia Wireless Communication
Technology Co., Ltd.

承认书

APPROVAL SHEET

客户 Customer	永时智能 Yongshi Intelligent Technology
项目名 Project	YK16
料号 Part NO.	
规格 Specification	BT Antennas

Project:YK16	Author: Haiou.Zhu	File Name: YK16_APP_A.doc
Date: 2025-11-25		
Revision:	A	
CONFIDENTIAL		
Shenzhen OnePlusOne Wireless Communication Technology Co.,Ltd.		
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APPROVAL			
OnePlusOne:			
RF Check	ME Check	QC Check	Confirm By
			
Customer:			
EE Check	PM Check	QC Check	Confirm By
			

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Please return to us one copy of “APPROVAL SHEET” with your approved signatures

Date:	Revision:	Updates and changes:	Issued by:
2025.01.20	A	Initial sheet	Haiou.Zhu

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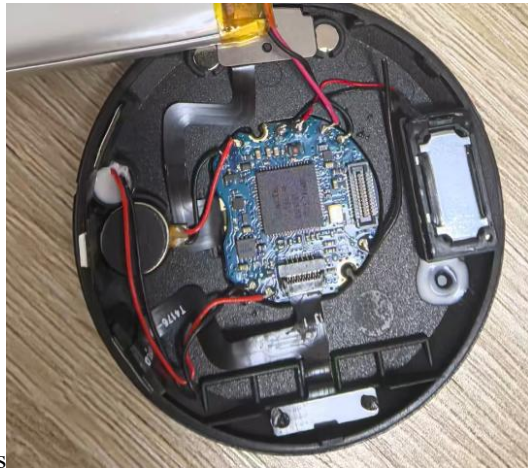
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1 Antenna description

It summarize **BT** antennas for project **YK16**.**BT** antenna's frequency band is **2400-2500MHz**.**BT** antenna's type is **Metal antenna**

1.1 Part number

Part number of antenna: **YK16-BT**



Antennapictures

2 Electrical Performance

2.1 Specification

BT	
Frequency Range	2400MHz~2500MHz <-5 >25%
Return Loss	
Efficiency	

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2.2 Measurement Set-up

VSWR and Return Loss

VSWR measurements (S_{11}) were performed using an Agilent ENA series Network Analyzer and the previously described test fixture. Coaxial chokes were used to mitigate surface currents on the outside of the cabling. The testing was performed in free space.

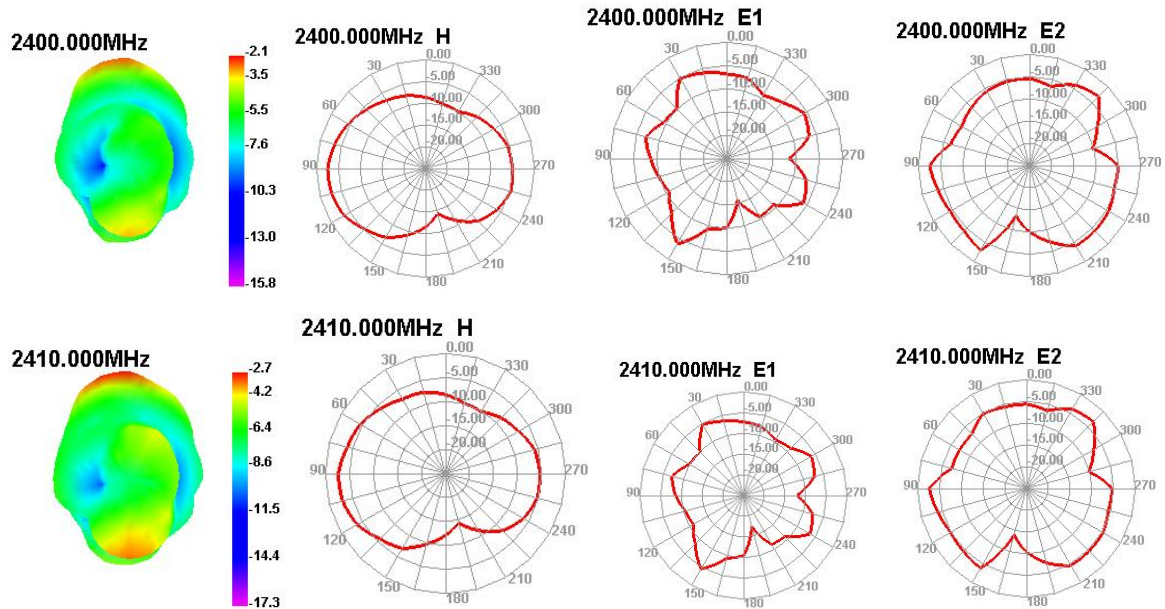


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3 Reference measurement data

Active

Passive Test For BT3.0			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	22.96	-6.39	-2.12
2410	21.2	-6.74	-2.7
2420	22.61	-6.46	-2.48
2430	20.74	-6.83	-2.73
2440	23.18	-6.35	-2.45
2450	20.81	-6.82	-2.67
2460	24.63	-6.08	-1.87
2470	20.37	-6.91	-3.12
2480	24.28	-6.15	-2.01
2490	20.2	-6.95	-2.78
2500	22.22	-6.53	-2.57



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