



ONE PLUS ONE
Wireless Communication

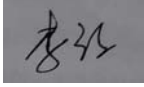

深圳市一加一无线通讯技术有限公司

承认书

APPROVAL SHEET

客户 Customer	永时智能
项目名 Project	YK10
料号 Part NO.	
规格 Specification	BT Antennas

Project:YK10	Author:	File Name:
Date: 2025-01-20	Haiou.Zhu	YK10_APP_A.doc
Revision:	A	
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Shenzhen OnePlusOne Wireless Communication Technology Co.,Ltd.		
address:	Room 106, Building A1, Hangcheng Innovation and Entrepreneurship Park, Xixiang Street, Baoan District, Shenzhen	

APPROVAL			
OnePlusOne:			
RF Check	ME Check	QC Check	Confirm By
			
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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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3.2 Active3-5

1 Antenna description

It summarize **BT** antennas for project **YK10**.**BT** antenna's frequency band is **2400-2500MHz**.**BT** antenna's type is **IFA**

1.1 Part number

Part number of antenna: **YK10-BT**

Antennapictures



2 Electrical Performance

2.1 Specification

BT

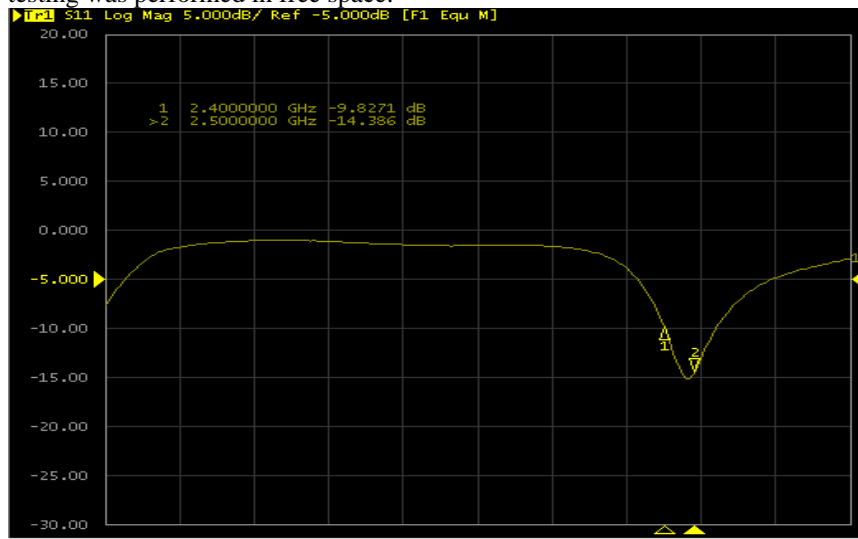
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Frequency Range	2400MHz~2500MHz
Return Loss	<-5
Efficiency	>25%

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.



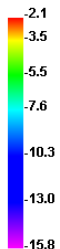
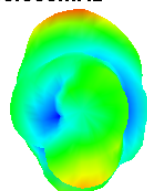
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3 Reference measurement data

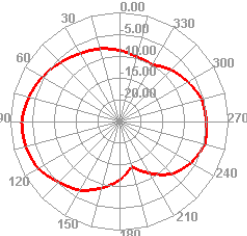
Active

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

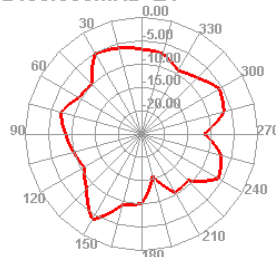
2400.000MHz



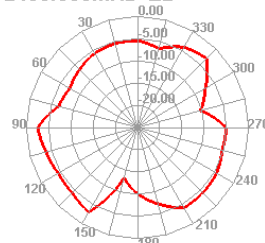
2400.000MHz H



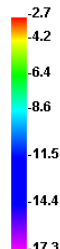
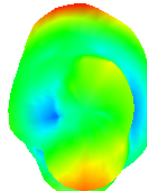
2400.000MHz E1



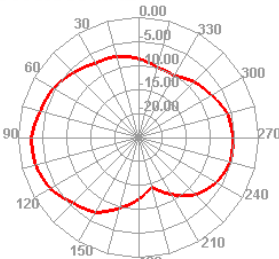
2400.000MHz E2



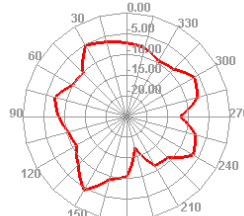
2410.000MHz



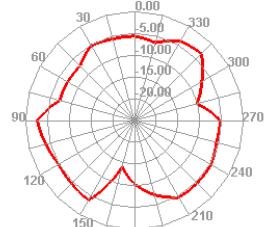
2410.000MHz H



2410.000MHz E1



2410.000MHz E2



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