

承 认 书

SPECIFICATION FOR APPROVAL

CUSTOMER NAME: Kaadas

PRODUCT NAME: 2.4/5G Built-in onboard antenna

CUSTOMER P/N: DZ.01.12.04.1094

Ren Feng P/N: U00T07S000N02022 REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Huang Lei	
AUDITOR BY:	Huang chao	
APPROVED BY:	Yao Dingjun	
DATE:	2022-09-15	

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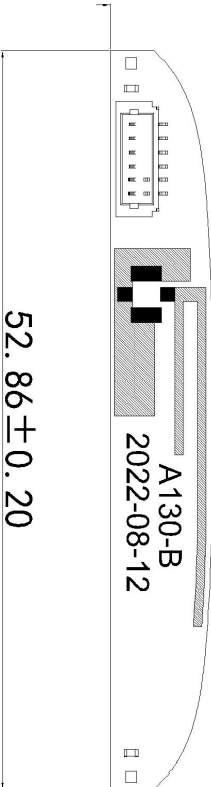
一、 Change your resume

Rev	Date	Record of change
A	2022-11-22	First Edition release

二、 Table of specifications:

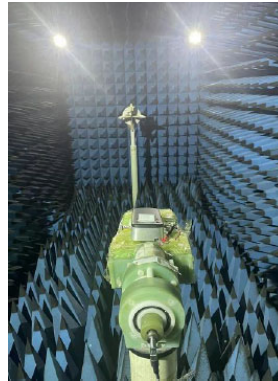
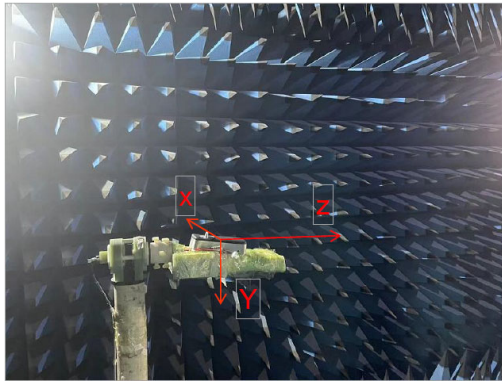
Main technical specifications			
Frequency Range (MHZ)	2400-2500 5150-5850	Impedance (Ω)	50
Peak Gain (dBi)	3.78	VSWR	≤ 2.0
Polarization	Cross polarization	Connector Type	PCB
Physical Properties			
Antenna cover		PCB	
Operating Temp	-20℃~+70℃	Storage Temp	-20℃~+70℃

二、 Finished product drawing:

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Note: 1. Remove all raw edges. 2. Max. 00.15mm for all edges and chamfers. 3. PCB material: FR-4 national period. Thickness: 1.60mm; Dielectric constant: 4.3. 4.  The area is copper foil The circuit surface is printed in black ink;  the area is copper berth area. 5. The tolerance of unmarked dimensions is 0.10mm. 6. The products meet the requirements of environmental protection RoHS 2.0 7. The * dimension is the inspection dimension																																																																																																																	
<table><tr><td colspan="4">1</td><td colspan="2">PCB</td><td colspan="2">1</td><td colspan="2">FR-4</td><td colspan="2">REMARK</td><td colspan="2">APPROVED</td><td colspan="2">COSTOMER:</td><td colspan="2">PART NO. :</td><td colspan="2">PARTNAME : RF Antenna Assembly</td><td colspan="2">R.F P/NO : U00T05S0000N02022</td><td colspan="2">REV</td><td colspan="2">UNIT</td><td colspan="2">SCALE</td><td colspan="2">SIZE</td><td colspan="2">SHEET</td><td colspan="2">10F1</td></tr><tr><td colspan="4">NO.</td><td colspan="2">DESCRIPTION</td><td colspan="2">QTY</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">CHECKED</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="14">The tolerance dimensions are the inspection dimensions The products meet the requirements of environmental protection RoHS2.0</td><td colspan="2">DRAWING</td><td colspan="2">A</td><td colspan="2">mm</td><td colspan="2">1:1</td><td colspan="2">A4</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr></table>														1				PCB		1		FR-4		REMARK		APPROVED		COSTOMER:		PART NO. :		PARTNAME : RF Antenna Assembly		R.F P/NO : U00T05S0000N02022		REV		UNIT		SCALE		SIZE		SHEET		10F1		NO.				DESCRIPTION		QTY						CHECKED																						The tolerance dimensions are the inspection dimensions The products meet the requirements of environmental protection RoHS2.0														DRAWING		A		mm		1:1		A4									
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III: Test report

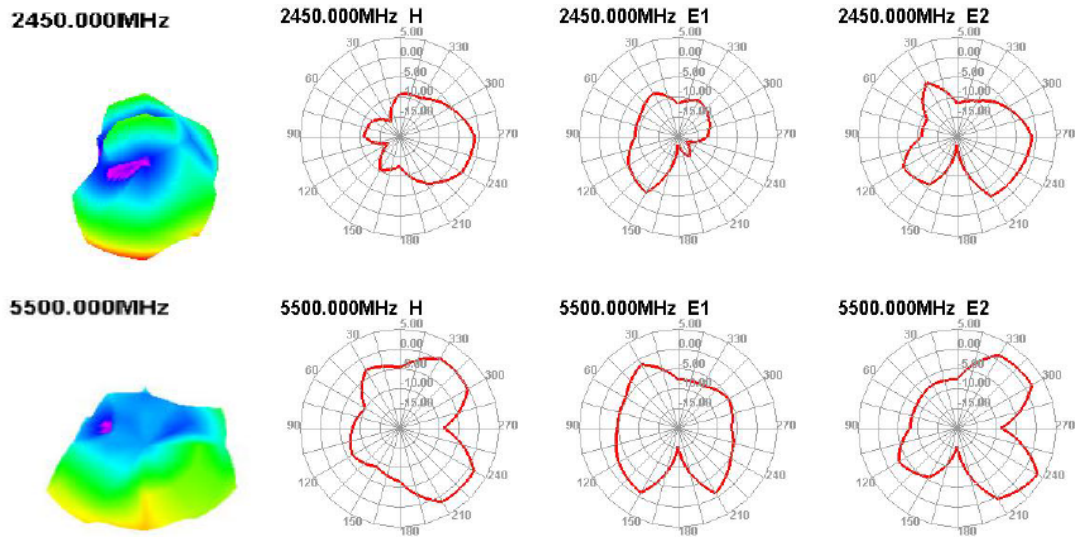
3.1: Position of antenna



3.2: Network analyzer test report



4.3: Darkroom 2D and 3D Radiation Pattern



Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	55.38	2.51
2450	57.78	2.48
2500	52.24	2.82
5150	53.12	2.95
5350	55.01	3.28
5500	52.95	3.23
5750	52.97	3.33
5850	56.82	3.78

五、ROHS/ Raw material list:

Meet RoHS requirements。

Kaadas

Component No.	Component Name	The material	QTY	Unit	Material manufacturer	UL Certification Number
1	PCB	FR-4	1	pc	科威达	/