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# Acknowledgement

## SPECIFICATION FOR APPROVAL

CUSTOMER NAME: Shenzhen Kaadas Intelligent Technology co.,Ltd.

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PRODUCT NAME: 2.4G internal antenna L=30mm

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CUSTOMER P/N:

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Ren Feng P/N: U00T02S000N03613 REV: A

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	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Huang Lei	
AUDITOR BY:	Huang Chao	
APPROVED BY:	Yao Dingjun	
DATE:	2023-06-21	

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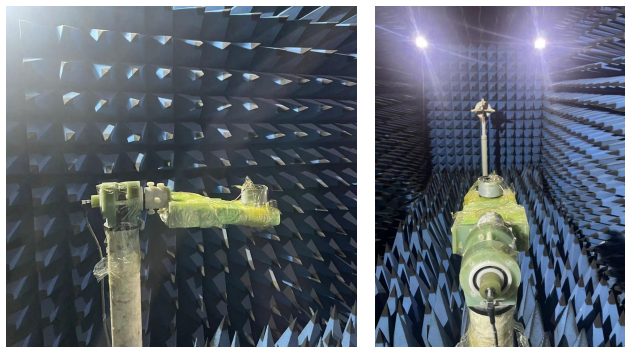
## 二、 Specification sheet:

### Product main technical parameters

Main technical specifications		Main technical specifications	
Frequency Range (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
Impedance( $\Omega$ )	50	Impedance( $\Omega$ )	50
Peak Gain(dBi)	2	Peak Gain(dBi)	2
VSWR	$\cong 2.0$	VSWR	$\cong 2.0$
Radiation	Omni-directional	Radiation	Omni-directional
Connector Type	Terminal	Connector Type	Terminal
Physical Properties		Physical Properties	
Antenna cover	FPC	Antenna cover	FPC
Operating Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C	Operating Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C
Storage Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C	Storage Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C

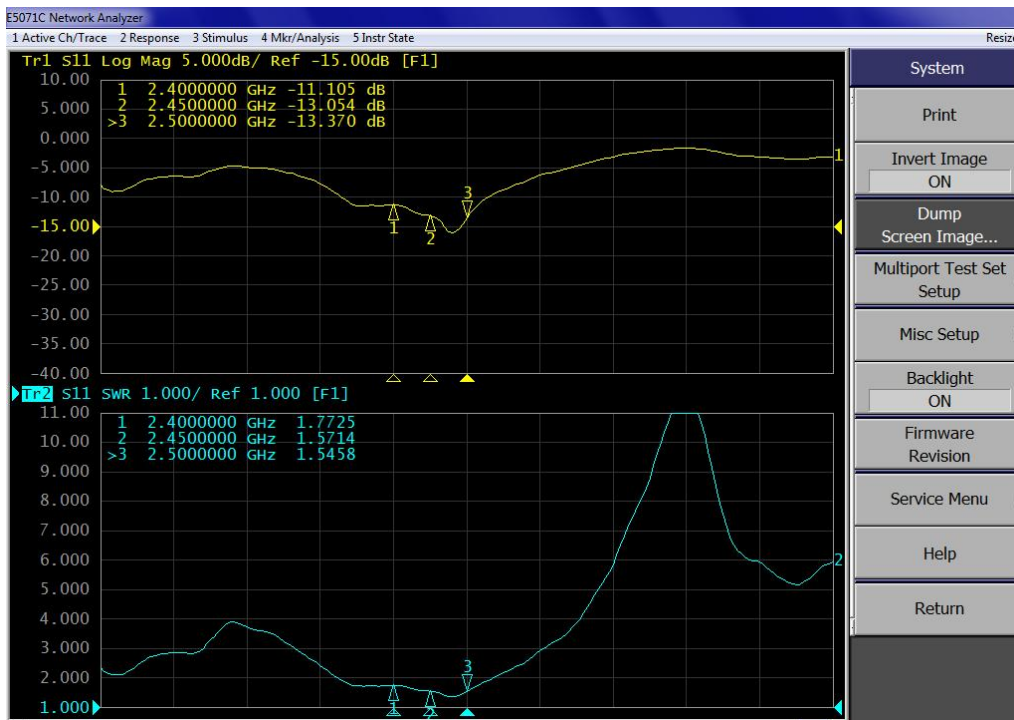


#### 四、Antenna placement

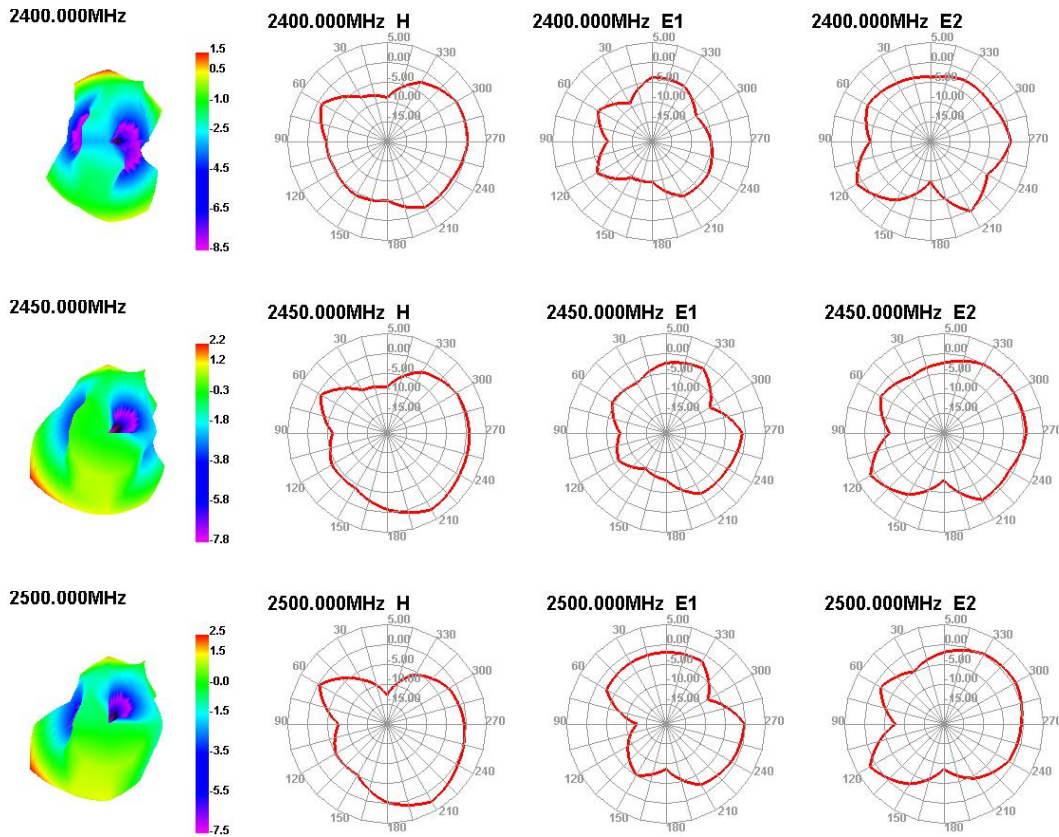


#### 五、Test report

##### 5.1: Network analyzer test report



5.2: Darkroom 2D and 3D Radiation Pattern



5.3: Gain efficiency meter

Freq (MHz)	Effi (%)	Gain (dBi)
2400	62.57	1.46
2410	60.16	1.44
2420	61.62	1.56
2430	60.36	1.66
2440	60.53	1.84
2450	61.76	2.22
2460	63.19	2.55
2470	63.94	2.76
2480	65.44	2.87
2490	62.54	2.62
2500	62.18	2.46

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**五、** ROHS/ Raw Material List:

Meet RoHS requirements。

Component number	Component name	Material	QTY	Unit	Material manufacturer	UL
1	FPC	PI	1	pc	Junyi	/
2	φ 1.13 Cable	Tinning/FEP	1	pc	China Ocean Unicom	/
3	Terminal	Copper	1	pc	CAI Mei/Kechinol	/