



2.4GHz ROD ANTENNA

TECHNICAL DATA SHEET

TX2400-JKS-20

VERSION: 3.3 DATE: 2025-12-11

TEL: 028-61542639 WEBSITE: WWW.ZIISOR.COM

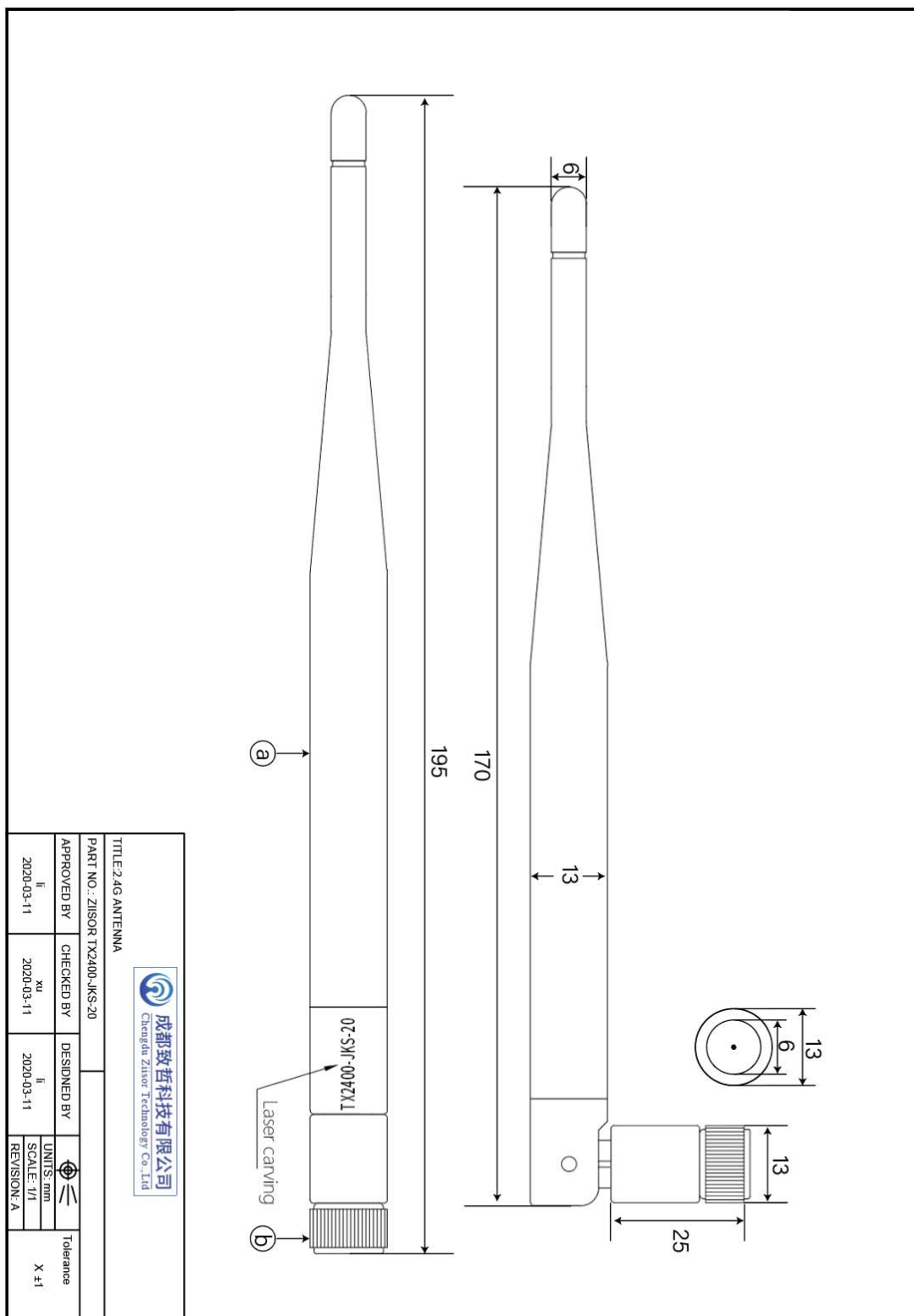
CHENGDU ZIISOR TECHNOLOGY CO., LTD. EXPERT OF IOT ANTENNA



TX2400-JKS-20

NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TX2400-JKS-20	2.4GHz Rod Antenna
02	Material	TPEE	
03	Material of Radiator	PCB	
04	Connector Type	SMA Male	
05	Antenna Colour	Black	
06	Overall Length	200mm	OD13mm
07	Cable Type	N/A	
08	Cable Length	N/A	
09	Weight	21g	±1g
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	2.4GHz	2400~2500MHz
02	Antenna Gain	5dBi	
03	Radiation type	Omnidirectional	
04	Polarization	Linear	Vertical
05	Nominal Impedance	50Ω	
06	Power Capacity	20W	
07	S.W.R.	≤2.0	
NO.	ENVIRONMENTAL SPECIFICATIONS	VALUE	COMMENT
01	Operation Temperature	-40℃ ~ +85℃	
02	Storage Temperature	-40℃ ~ +85℃	

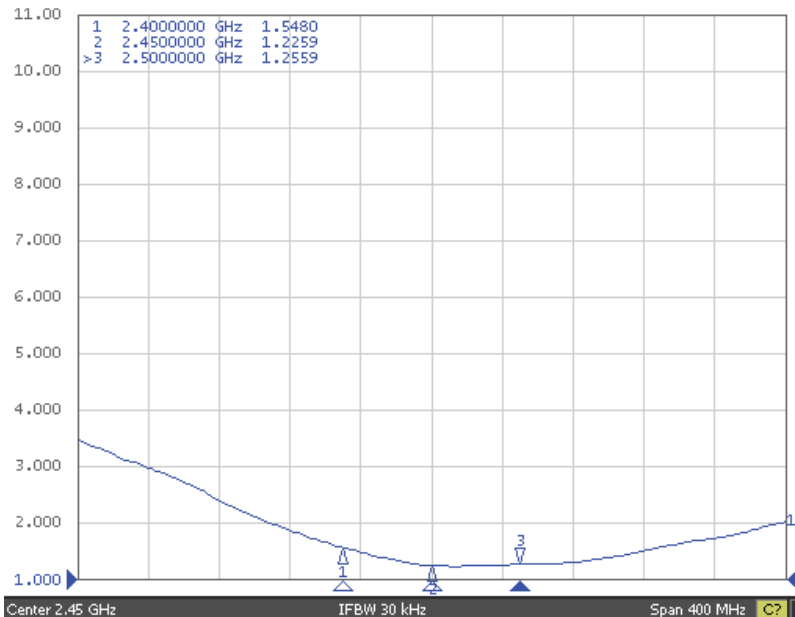
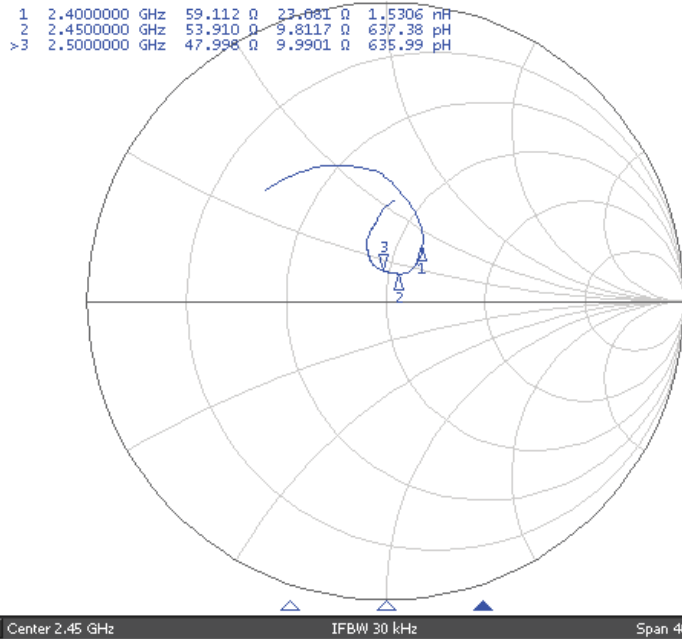
MECHANICAL DRAWING



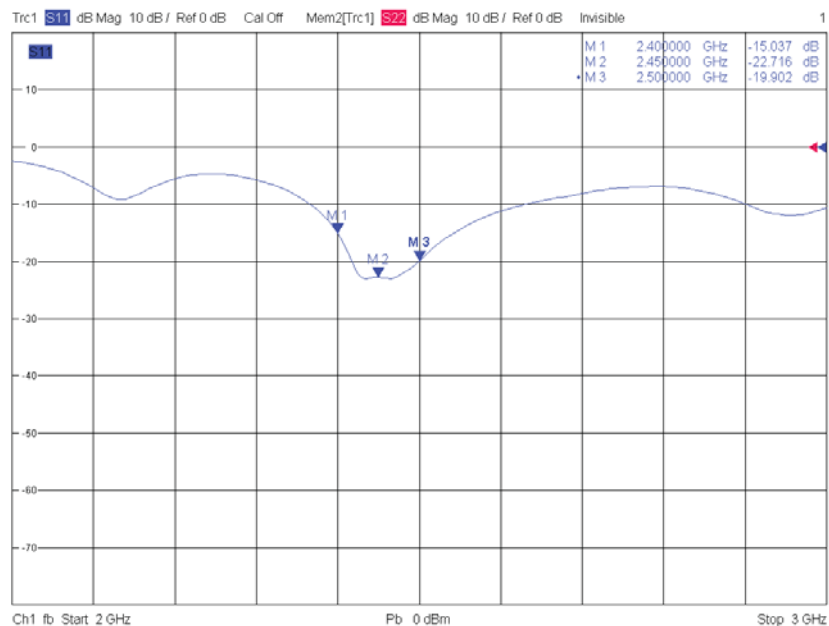
UNIT: mm

ITEM	PART NAME	QUANTITY	MATERIAL / FINISH		
a	Radome	1	TPEE	Black	
b	Connector	1	SMA	Male	Nickel plated

S Parameter Test

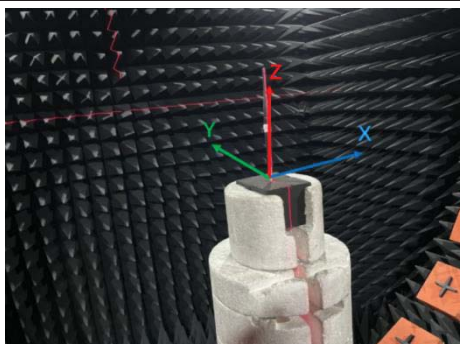
Testing Environment																
SWR	 <table><tr><td>1</td><td>2.4000000 GHz</td><td>1.5480</td></tr><tr><td>2</td><td>2.4500000 GHz</td><td>1.2259</td></tr><tr><td>3</td><td>2.5000000 GHz</td><td>1.2559</td></tr></table> Center 2.45 GHz IFBW 30 kHz Span 400 MHz	1	2.4000000 GHz	1.5480	2	2.4500000 GHz	1.2259	3	2.5000000 GHz	1.2559						
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SMITH	 <table><tr><td>1</td><td>2.4000000 GHz</td><td>59.112 Ω</td><td>23.681 Ω</td><td>1.5306 mH</td></tr><tr><td>2</td><td>2.4500000 GHz</td><td>53.910 Ω</td><td>9.8117 Ω</td><td>637.38 pH</td></tr><tr><td>3</td><td>2.5000000 GHz</td><td>47.998 Ω</td><td>9.9901 Ω</td><td>635.99 pH</td></tr></table> Center 2.45 GHz IFBW 30 kHz Span 400 MHz	1	2.4000000 GHz	59.112 Ω	23.681 Ω	1.5306 mH	2	2.4500000 GHz	53.910 Ω	9.8117 Ω	637.38 pH	3	2.5000000 GHz	47.998 Ω	9.9901 Ω	635.99 pH
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Return Loss

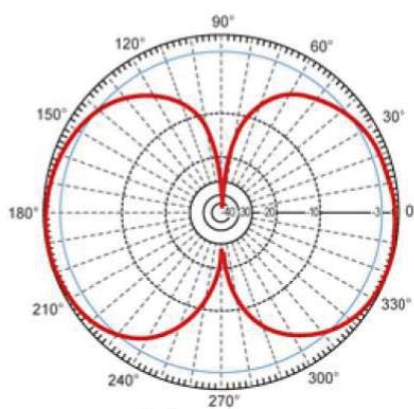


Gain Test

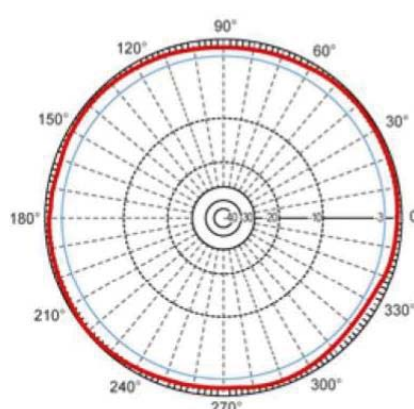
Testing Environment



Direction diagram



Vertical



Horizontal

DISCLAIMER

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