



915MHz ROD ANTENNA

TECHNICAL DATA SHEET

TX915-JK-11



VERSION: 3.3 DATE: 2021-08-03

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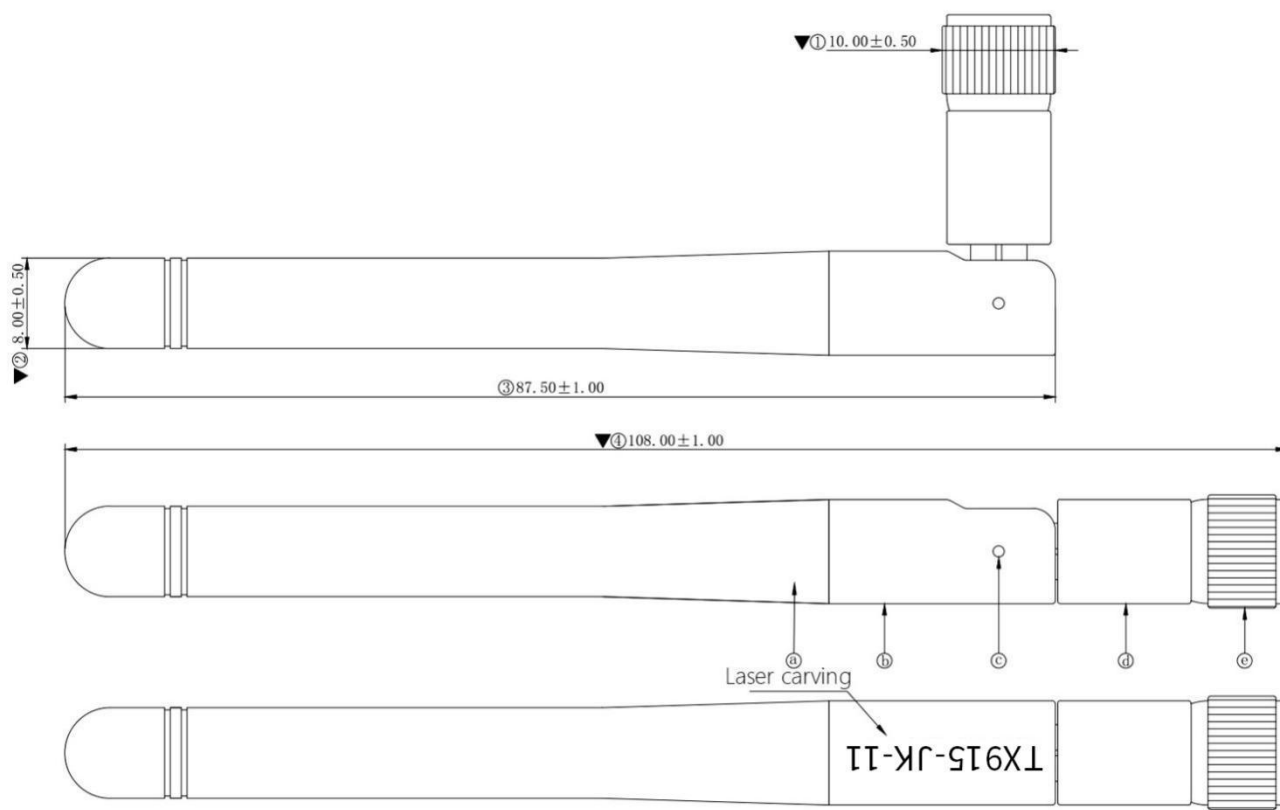
CHENGDU ZIISOR TECHNOLOGY CO., LTD. EXPERT OF IOT ANTENNA



TX915-JK-11

NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TX915-JK-11	915MHz Rod Antenna
02	Material	TPEE	
03	Material of Radiator	Copper	
04	Connector Type	SMA Male	
05	Antenna Colour	Black	
06	Overall Length	110mm	OD10mm
07	Cable Type	N/A	
08	Cable Length	N/A	
09	Weight	8g	±1g
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	915MHz	895~935MHz
02	Antenna Gain	2.5dBi	
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	-30°C ~ +75°C	
02	Storage Temperature	-30°C ~ +75°C	
03	RoHS Compliant	YES	

MECHANICAL DRAWING

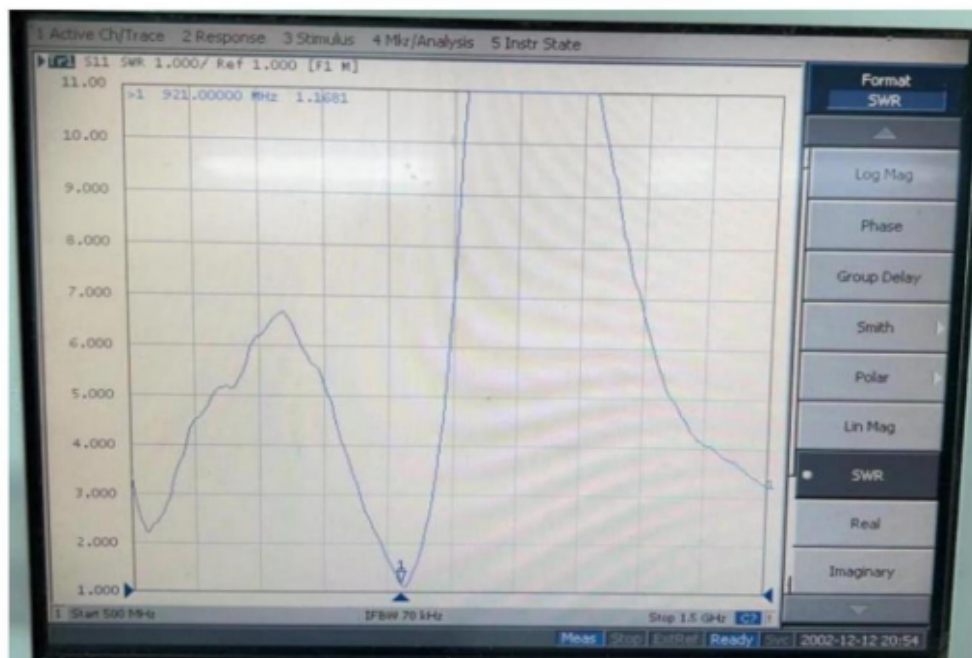


UNIT: mm

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

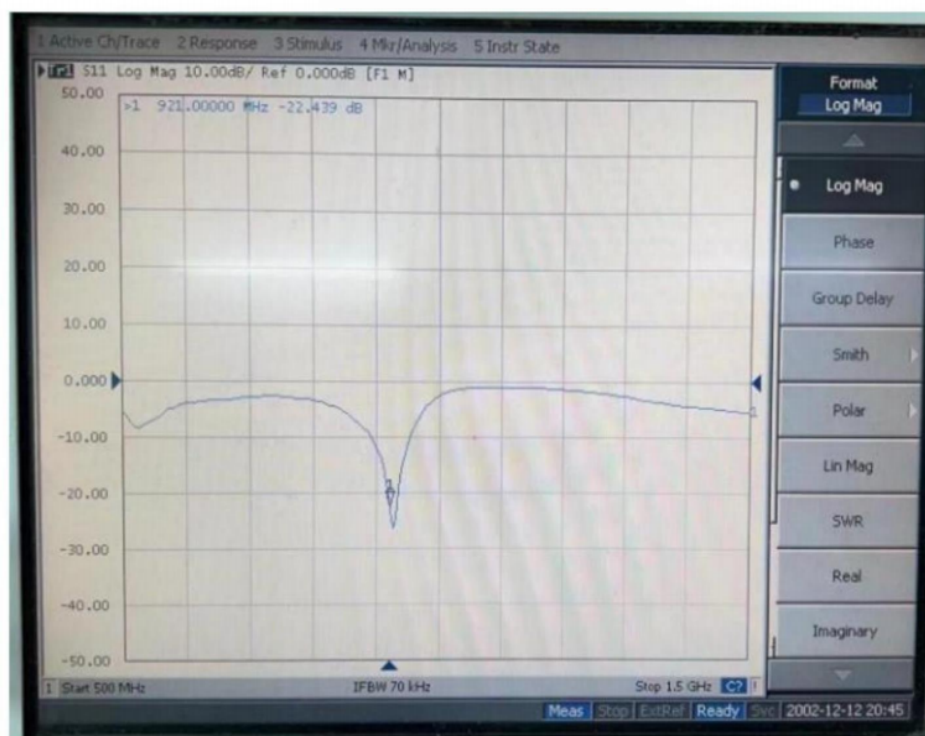
Antenna SWR

Antenna SWR



Antenna Return loss

Antenna Return loss

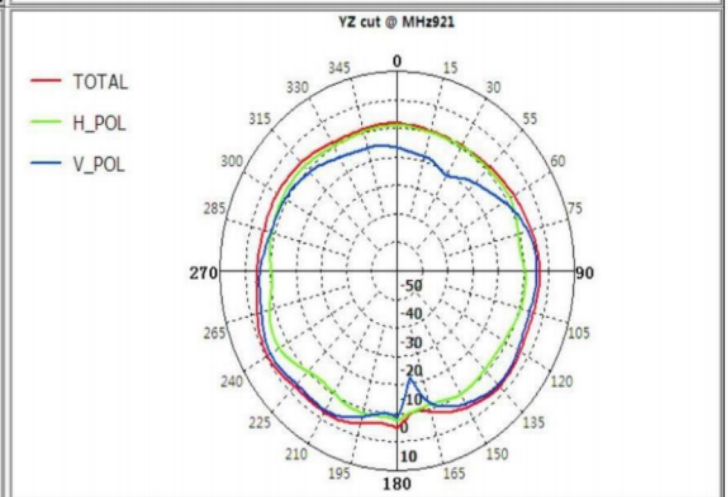
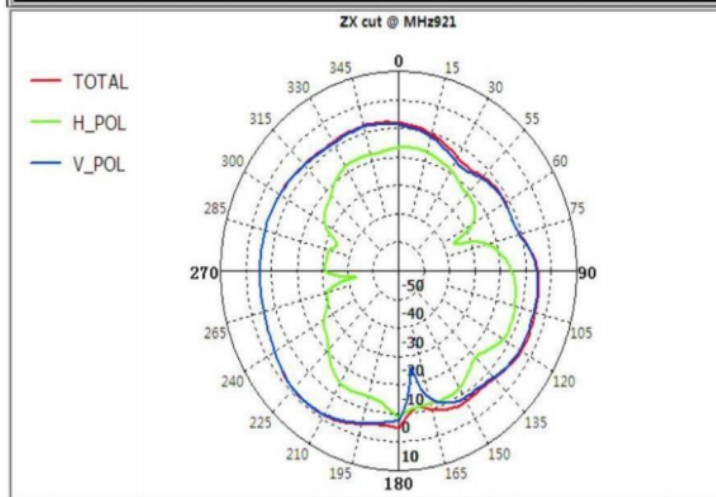
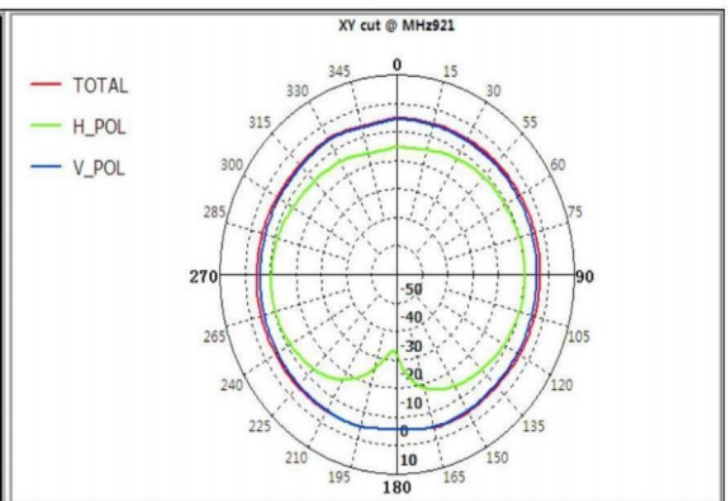
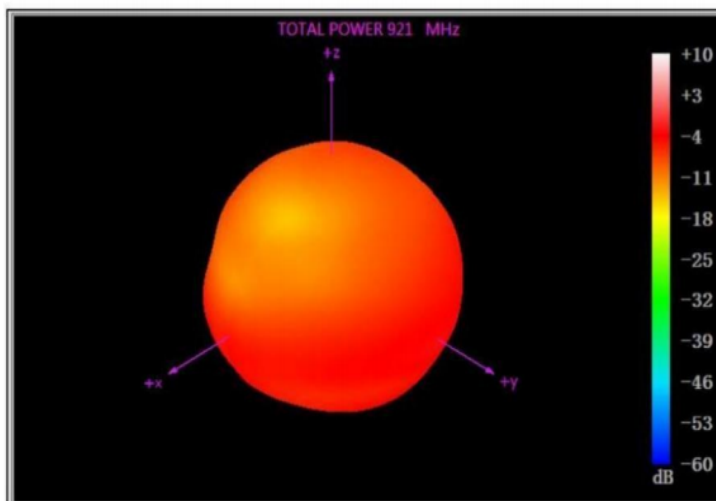


Antenna gain and efficiency

Antenna		
Freq (MHz)	Efficiency (%)	Gain (dBi)
908	33.85	2.50
916	32.17	2.01
917	32.34	2.05
918	32.22	2.04
919	32.54	2.12
920	32.61	2.14
921	32.67	2.17
922	32.72	2.19
923	32.23	2.02
924	32.75	2.21
925	32.69	2.19

Antenna Radiation Pattern

Antenna Radiation Pattern



DISCLAIMER

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