



490MHz ROB ANTENNA

TECHNICAL DATA SHEET

TX490-JZ-5

VERSION: 3.2 DATA: 2020-11-06

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

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

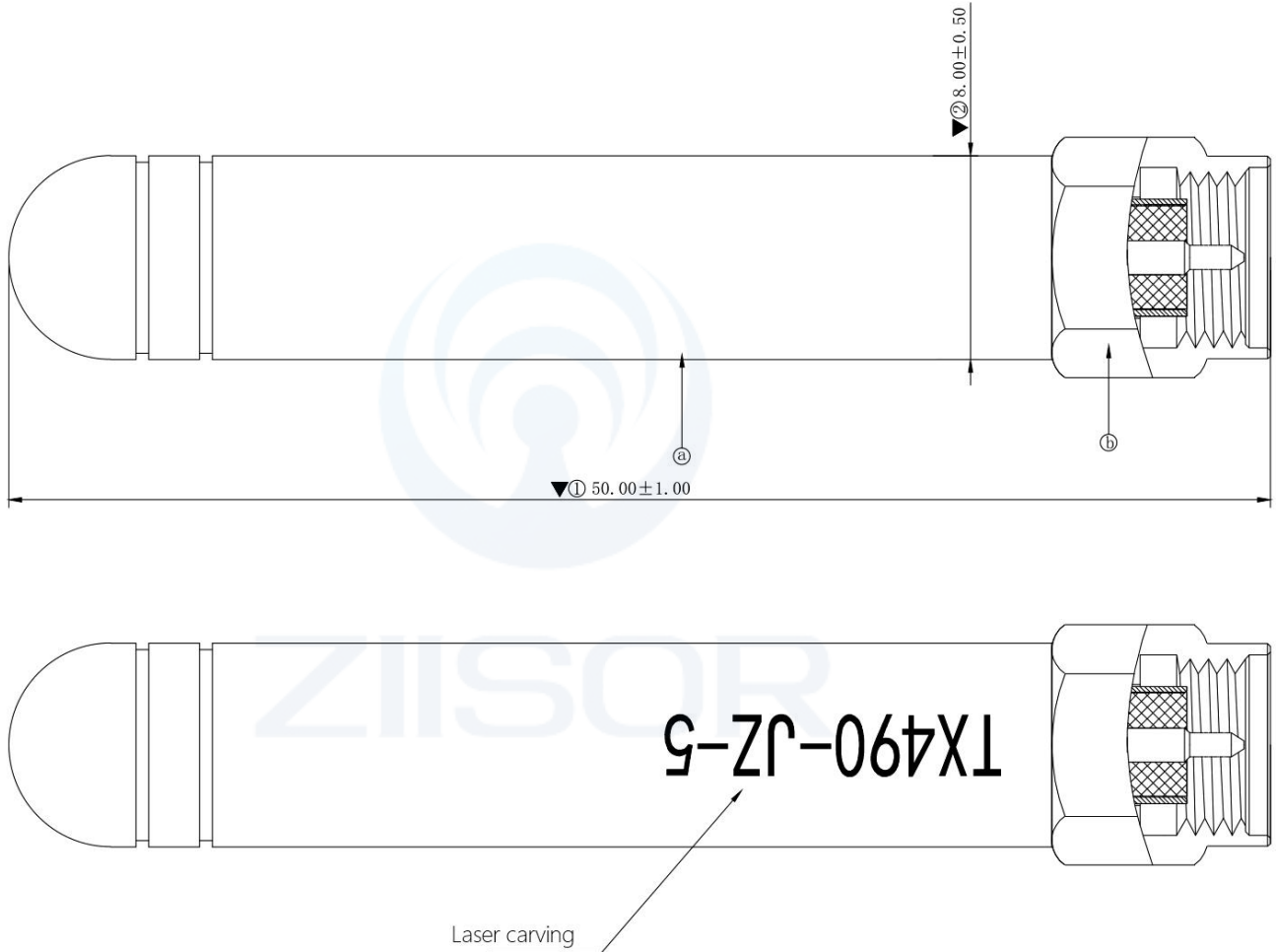


TX490-JZ-5

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NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TX490-JZ-5	490MHz Rob Antenna
02	Material	TPEE	
03	Material of Radiator	CU	
04	Connector Type	SMA-J	
05	Antenna Colour	Black	
06	Overall Length	50mm	OD10mm
07	Cable Type	N/A	
08	Cable Length	N/A	
09	Weight	4g	±1g
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	490MHz	470~510MHz
02	Antenna Gain	1.2dBi	
03	Radiation type	Omnidirectional	
04	Polarization	Linear	Vertical
05	Nominal Impedance	50Ω	
06	Power Standing	10W	
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	

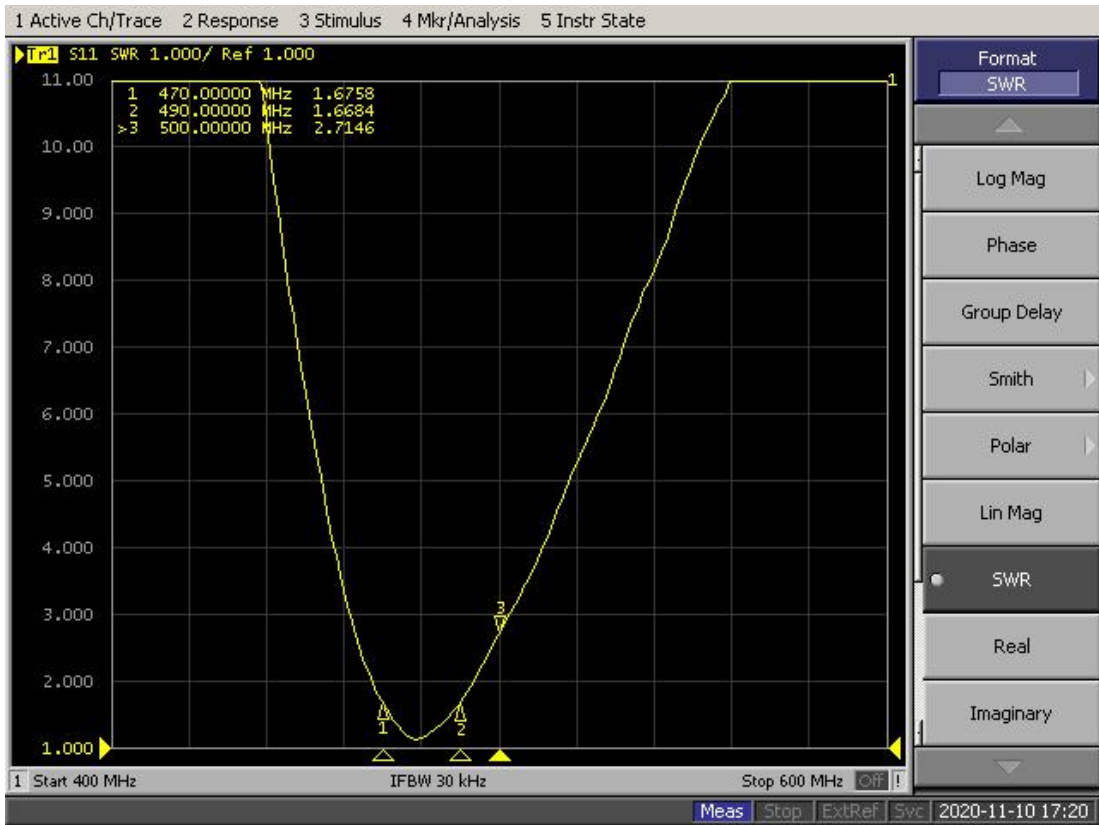
MECHANICAL DRAWING



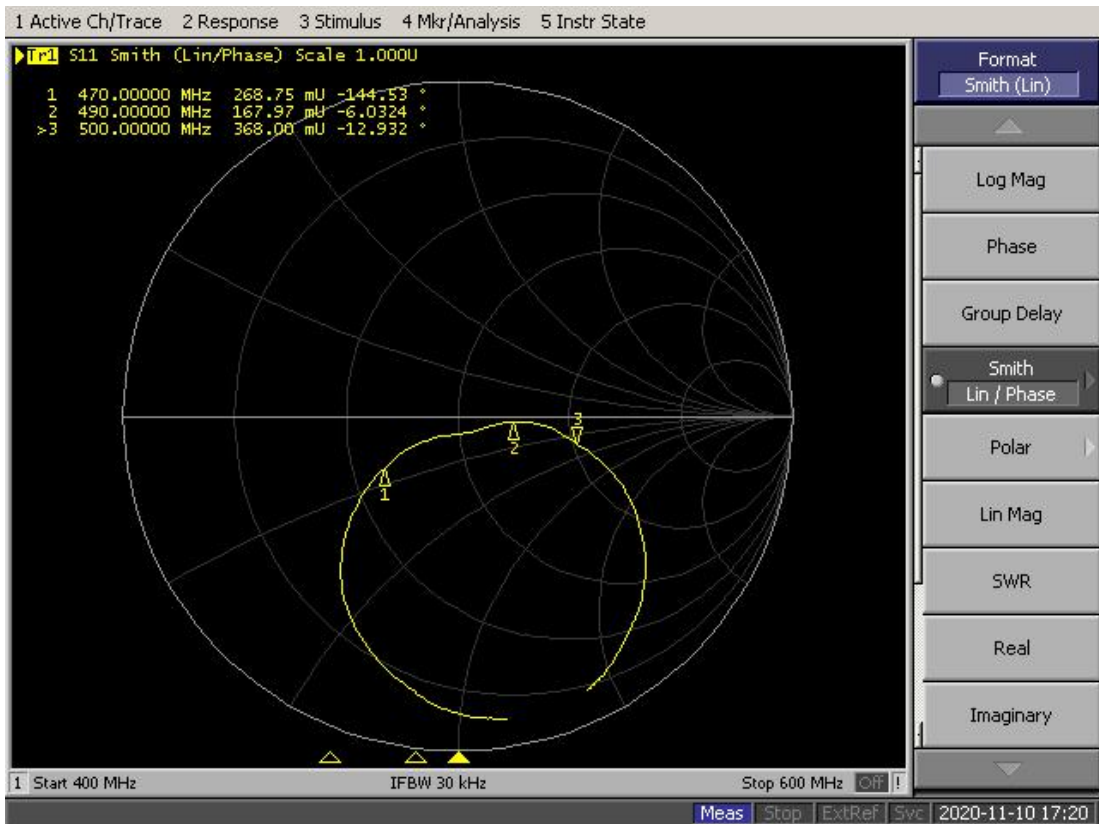
UNIT: mm

ITEM	PART NAME	QUANTITY	MATERIAL / FINISH
a	Shell	1	TPEE Black
b	Antenna Base	1	SMA-J Gilded

S.W.R.



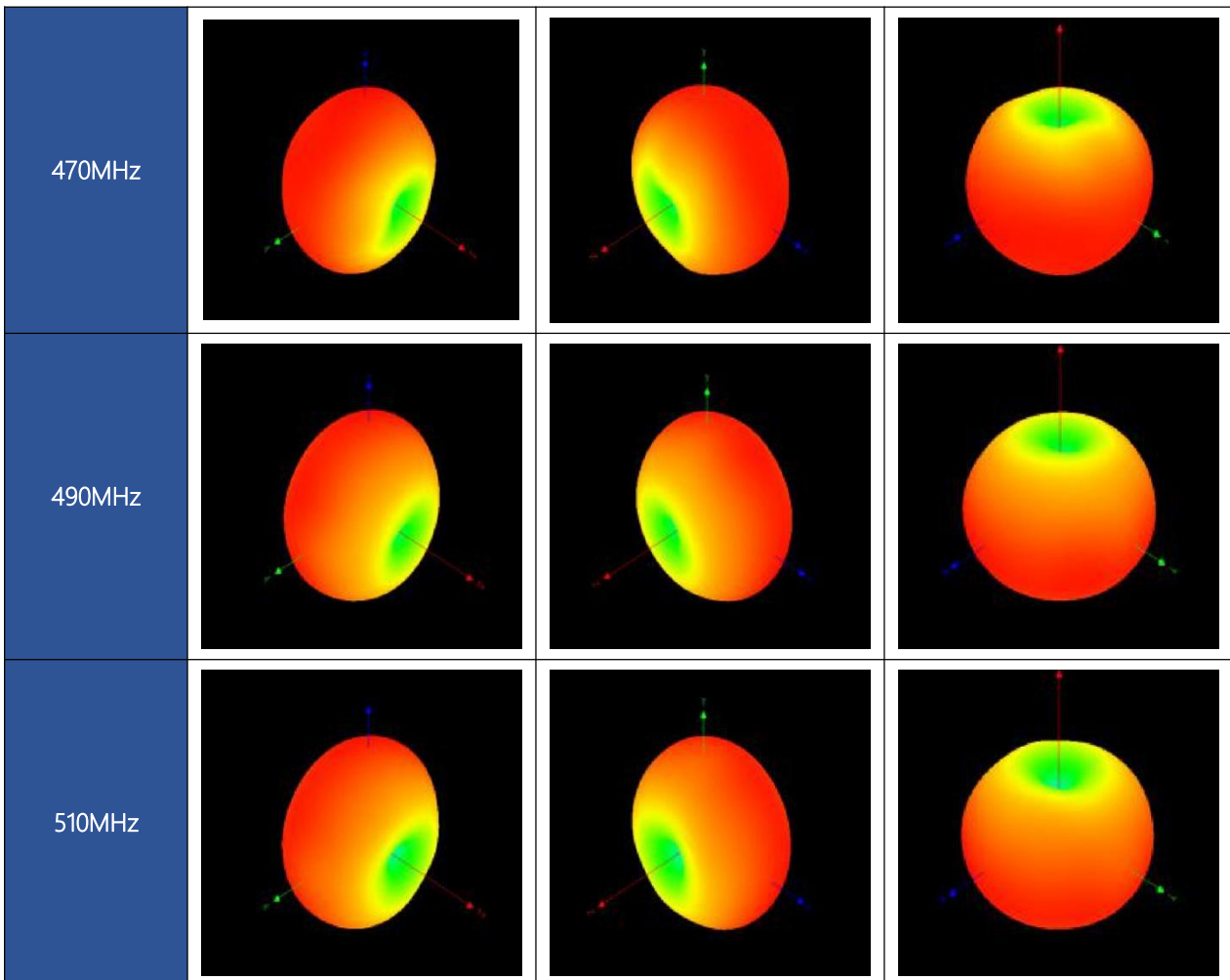
SMITH



EFFICIENCY/GAIN TEST

No.	Frequency Hz	Efficiency %	Gain dBi
01	470M	53.46	-0.31
02	475M	58.61	0.78
03	480M	65.3	1.2
04	485M	65.3	0.88
05	490M	63.11	1.16
06	495M	64.82	1.17
07	500M	61.61	1.21
08	505M	63.79	1.11
09	510M	61.45	1.04

RADIATION PATTERN



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