



490MHz ROB ANTENNA

TECHNICAL DATA SHEET

TX490-JKD-20

VERSION: 3.2 DATA: 2020-11-06

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

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

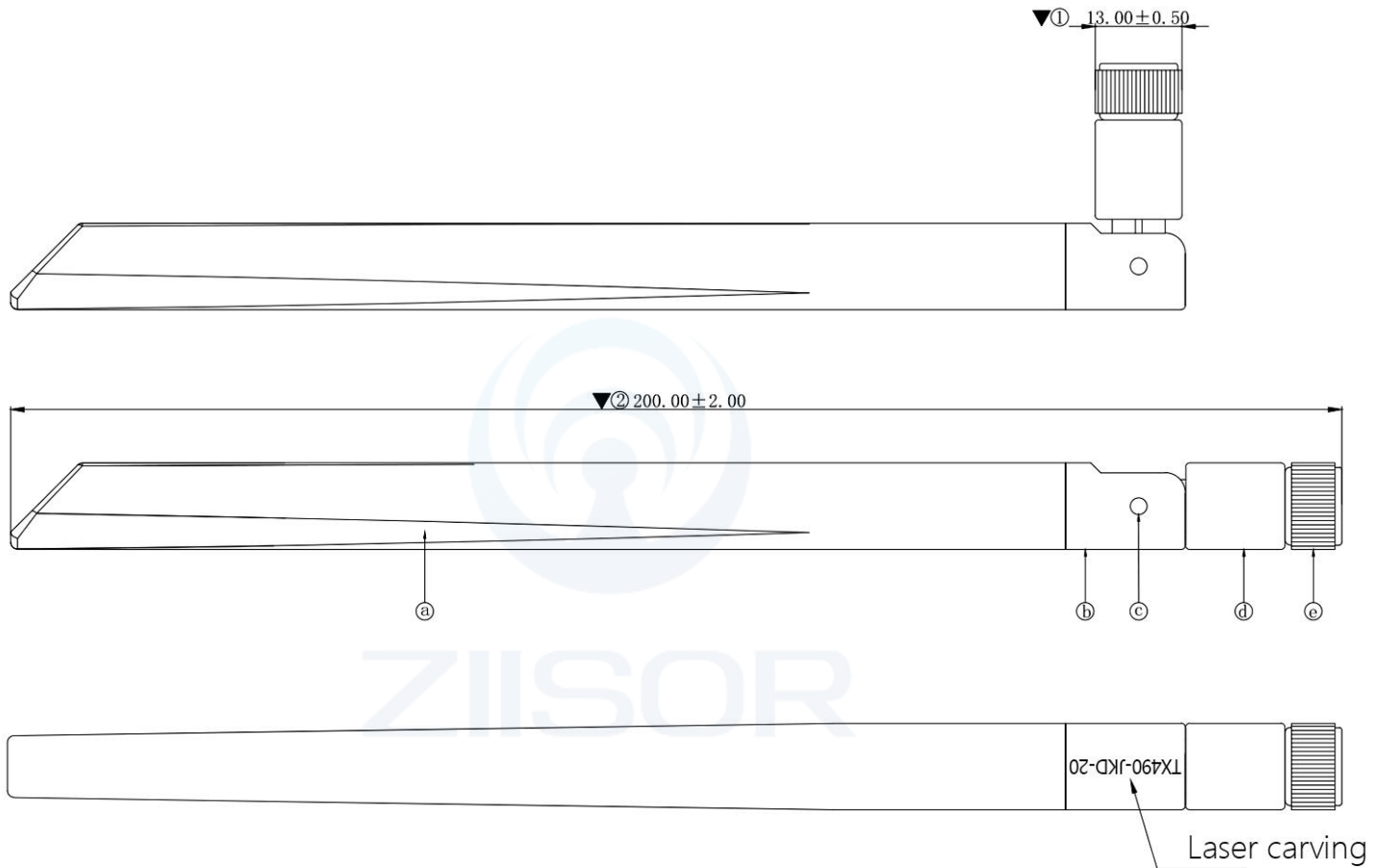


TX490-JKD-20

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NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TX490-JKD-20	490MHz Rob Antenna
02	Material	TPEE	
03	Material of Radiator	CU	
04	Connector Type	SMA-J	
05	Antenna Colour	Black	
06	Overall Length	200mm	OD13mm
07	Cable Type	N/A	
08	Cable Length	N/A	
09	Weight	22g	±2g
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	490MHz	470~510MHz
02	Antenna Gain	2.5dBi	
03	Radiation type	Omnidirectional	
04	Polarization	Linear	Vertical
05	Nominal Impedance	50Ω	
06	Power Standing	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	

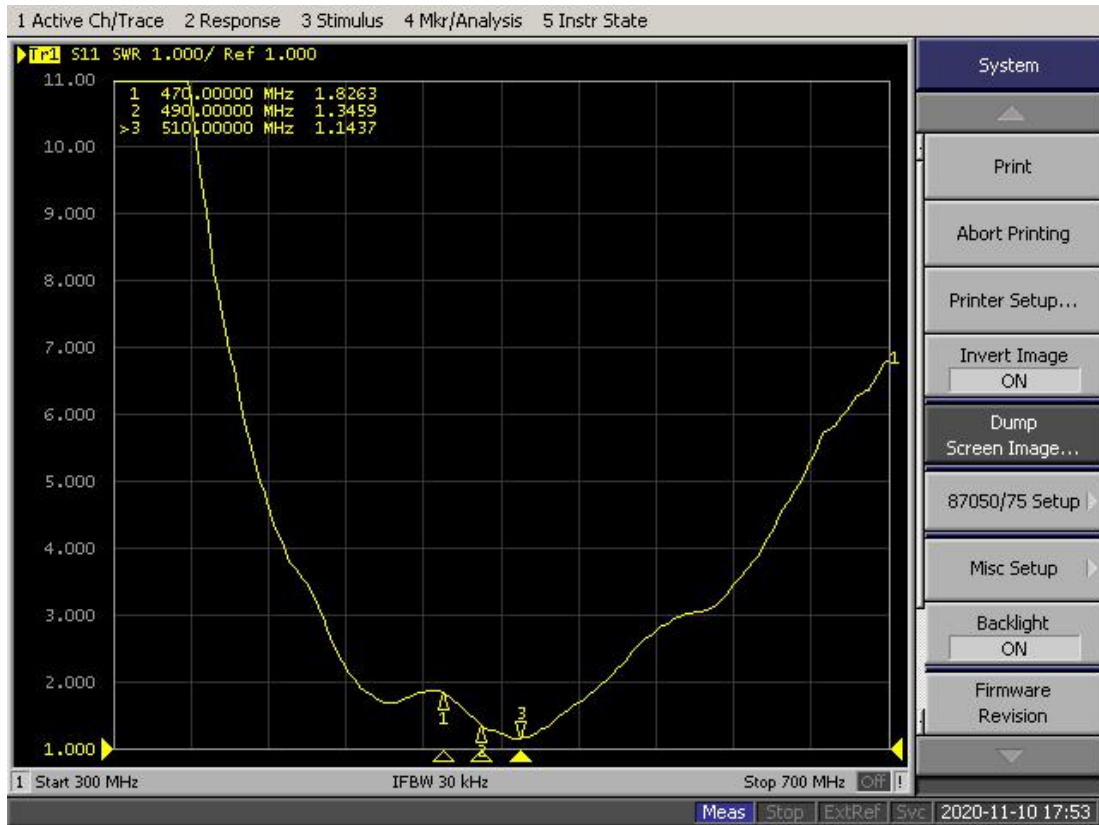
MECHANICAL DRAWING



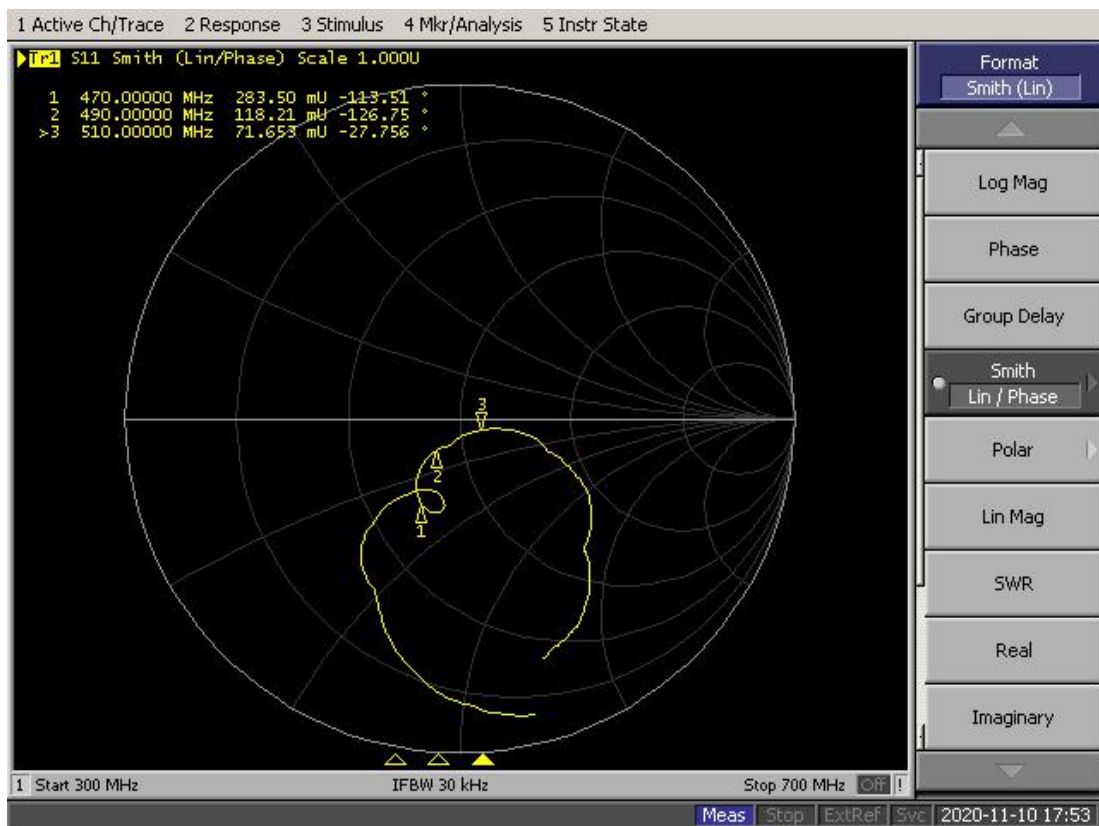
UNIT: mm

ITEM	PART NAME	QUANTITY	MATERIAL / FINISH
a	Shell	1	TPEE Black
b	Antenna Base	1	PC+PBT Black
c	Rivet	2	POM Black
d	Antenna Base	1	PC+PBT Black
e	Connector	1	SMA-J Nickel plated

S.W.R.

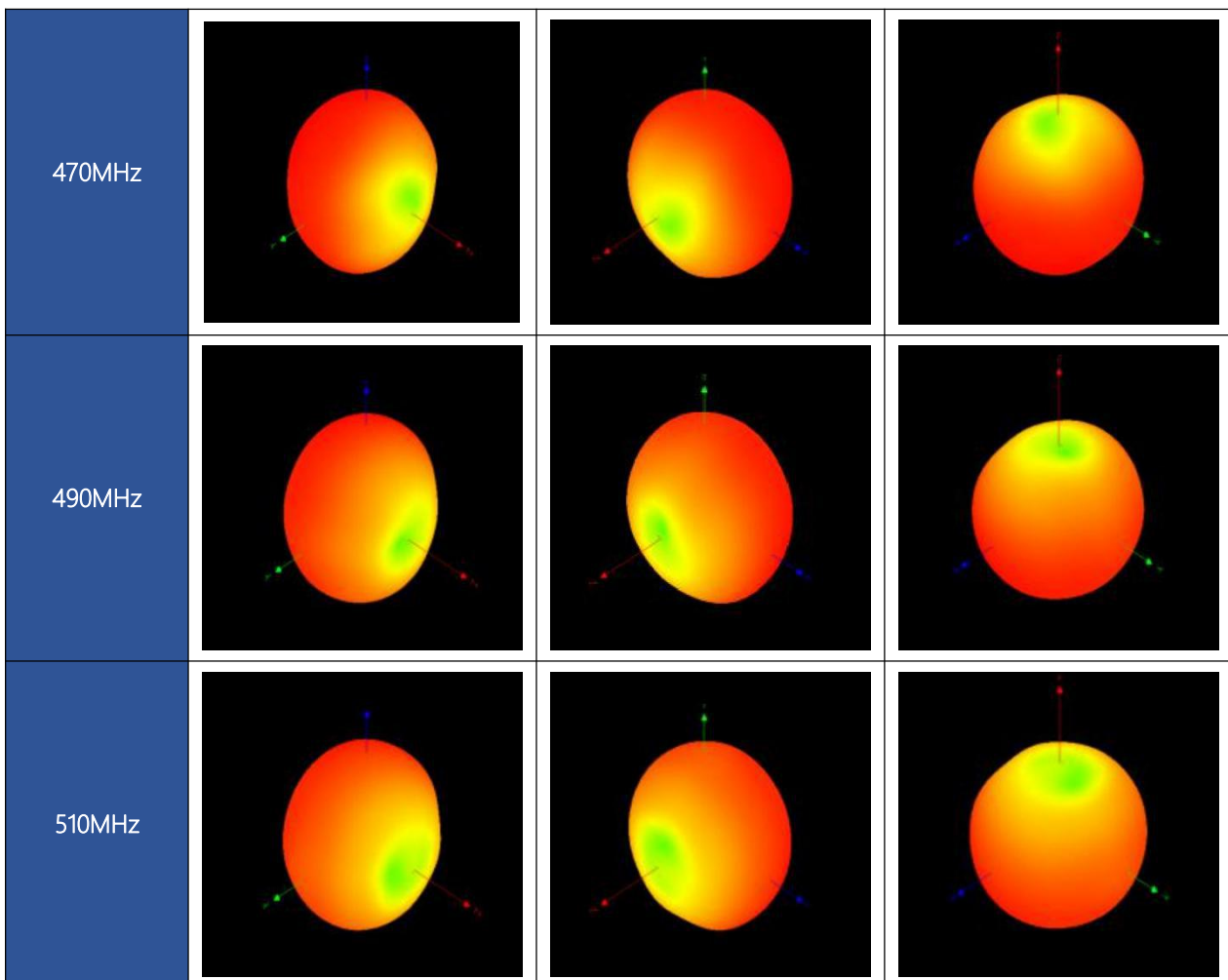


SMITH



EFFICIENCY/GAIN TEST

No.	Frequency Hz	Efficiency %	Gain dBi
01	470M	68.25	1.29
02	475M	68.37	1.54
03	480M	68.54	1.63
04	485M	68.92	1.52
05	490M	68.71	2.51
06	495M	72.11	2.43
07	500M	74.23	2.32
08	505M	64.95	2.21
09	510M	72.45	2.21

RADIATION PATTERN


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CONTACT US

公司全称 NAME	成都致哲科技有限公司
公司电话 NUMBER	028-61542639
官方网址 WEBSITE	www.ziisor.com
商务合作 BUSINESS	sales@ziisor.com
技术支持 SUPPORT	support@ziisor.com
批量采购 BATCH	马小姐 17602800813 徐先生 13547243087
公司地址 ADDRESS	四川省成都市高新西区西区大道 199 号模具工业园 B5
淘宝企业店 SAMPLING	https://ziisor.taobao.com/
天猫旗舰店 SAMPLING	https://ziisor.tmall.com/

