



# 433M ROB ANTENNA

## TECHNICAL DATA SHEET

TX433-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

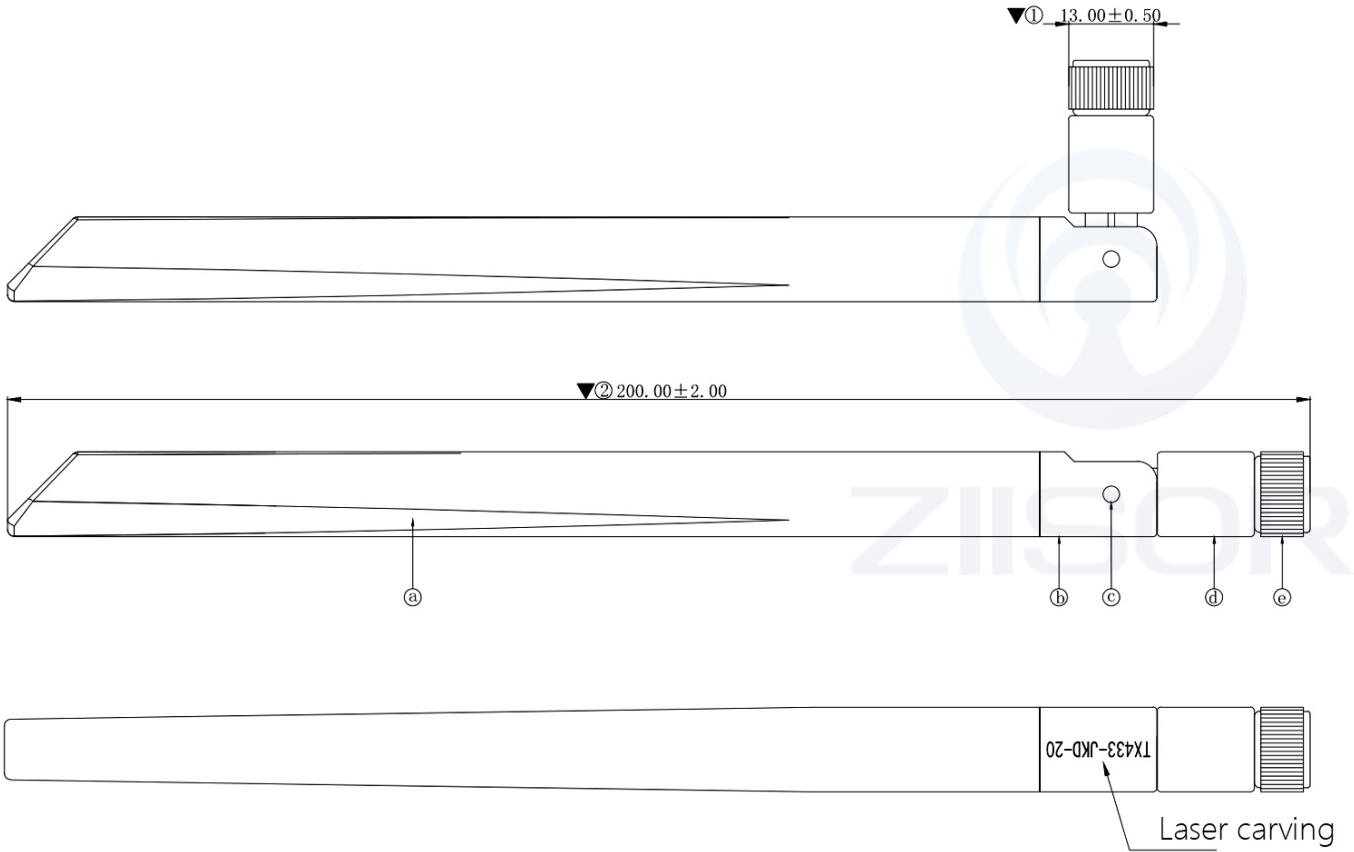


TX433-JKD-20

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NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TX433-JKD-20	433M 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	±1g
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	433MHz	391~469MHz
02	Antenna Gain	2dBi	
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	

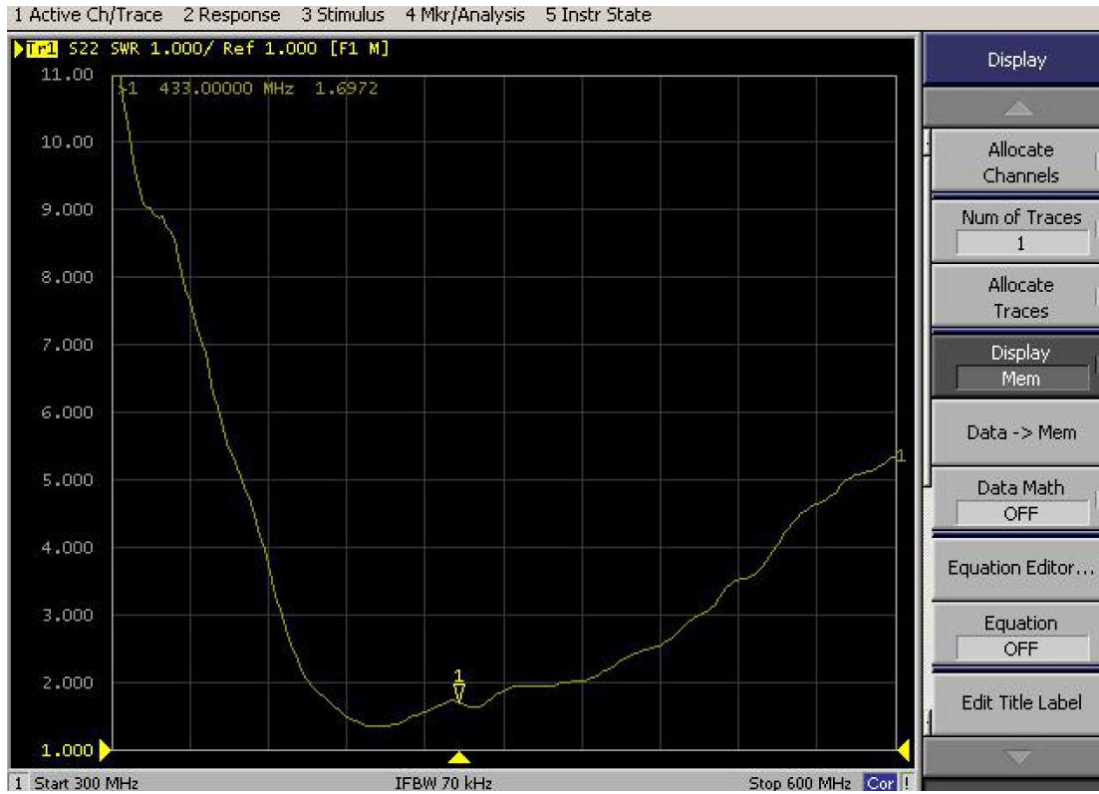
MECHANICAL DRAWING



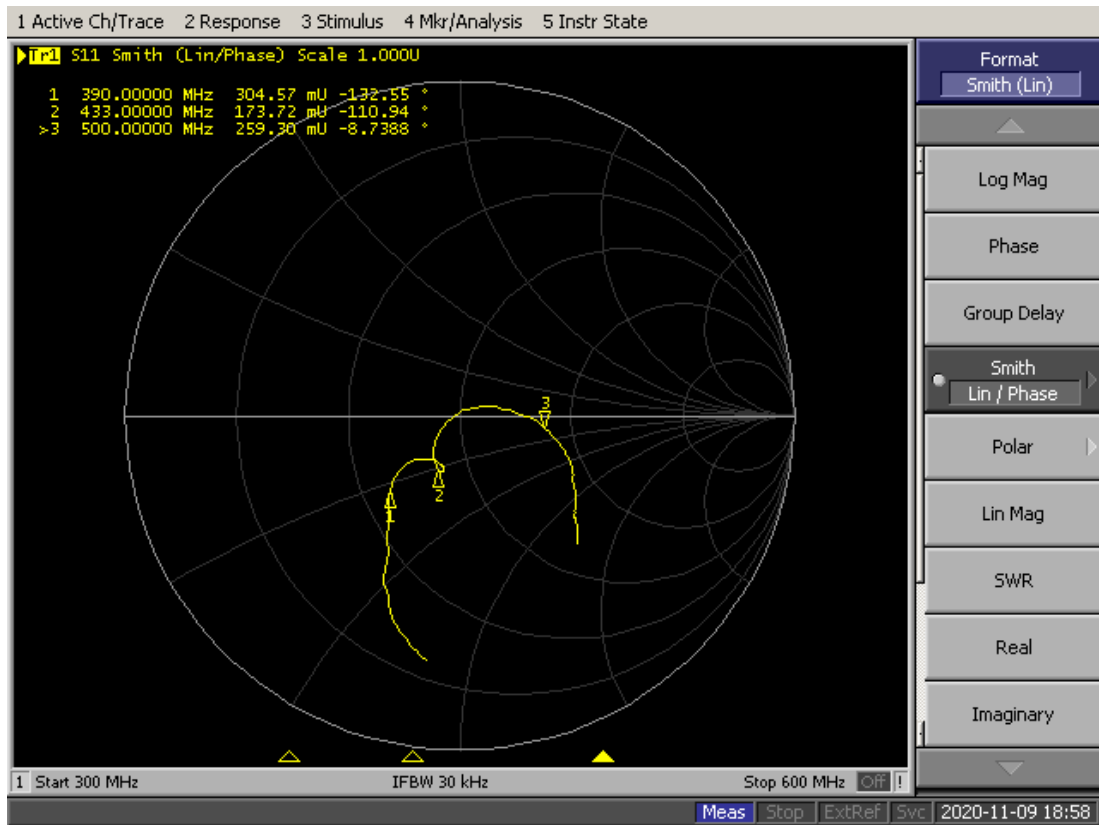
UNIT: mm

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.



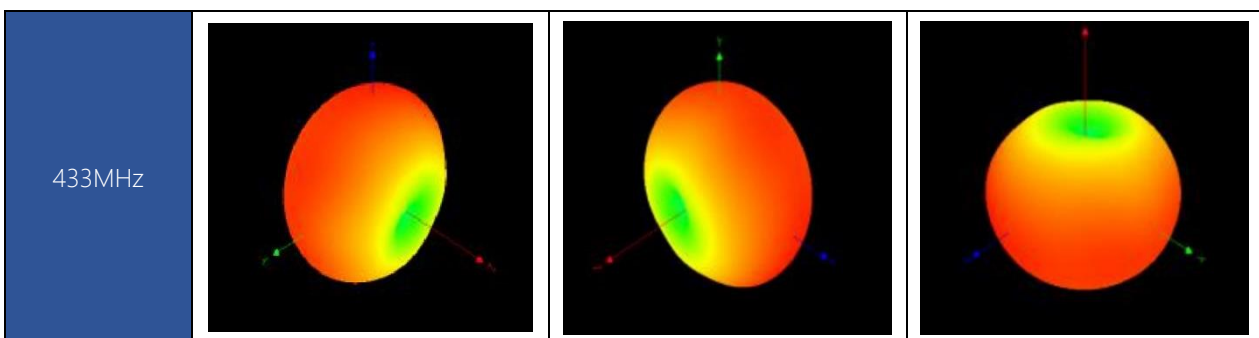
SMITH



## EFFICIENCY/GAIN TEST

No.	Frequency Hz	Efficiency %	Gain dBi
01	391M	48.24	1.32
02	394M	48.36	1.25
03	397M	49.52	1.51
04	400M	50.36	1.62
05	403M	50.01	1.41
06	406M	50.25	1.25
07	409M	50.36	1.74
08	412M	51.36	1.72
09	415M	52.41	1.65
10	418M	54.24	1.68
11	421M	55.69	1.52
12	424M	53.95	1.22
13	427M	63.75	1.65
14	430M	62.66	1.60
15	433M	64.58	1.78
16	436M	61.10	1.37
17	439M	61.38	1.54
18	442M	62.79	1.45
19	445M	64.86	1.42
20	448M	65.36	1.25
21	451M	64.12	1.37
22	454M	63.35	1.89
23	457M	59.52	1.82
24	460M	59.63	1.75
25	463M	55.42	1.33
26	466M	54.81	1.21
27	469M	52.07	1.09

## RADIATION PATTERN



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