



433MHz STICK ANTENNA

TECHNICAL DATA SHEET

TX433-JKD-20P

VERSION: 3.2 DATA: 2020-11-06

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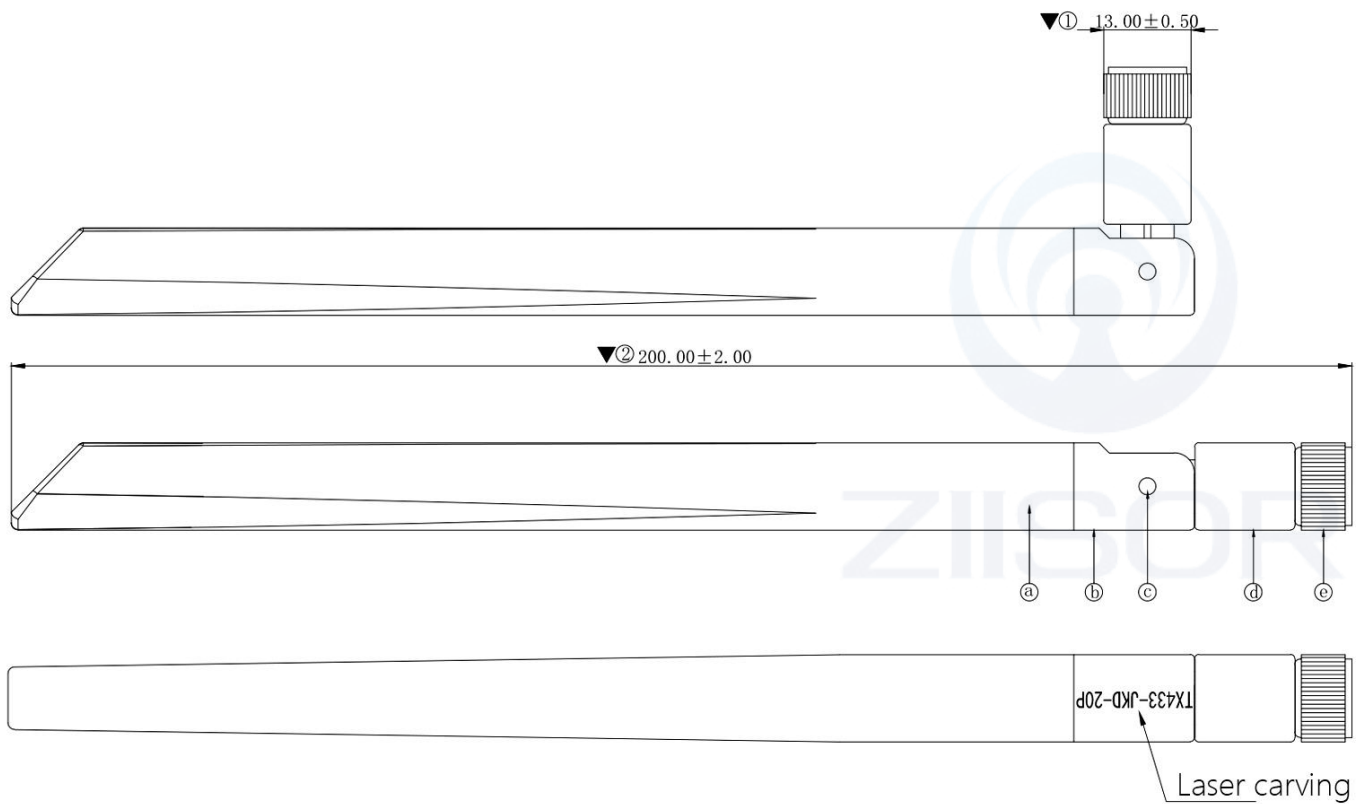
CHENGDU ZIISOR TECHNOLOGY CO., LTD. EXPERT OF IOT ANTENNA



TX433-JKD-20P

NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TX433-JKD-20P	433MHz Stick Antenna
02	Material	TPEE	
03	Material of Radiator	CU	Dipole
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	22g	±1g
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	433MHz	424~445MHz
02	Antenna Gain	2.62dBi	
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℃ ~ +75℃	
02	Storage Temperature	-30℃ ~ +75℃	
03	RoHS Compliant	YES	

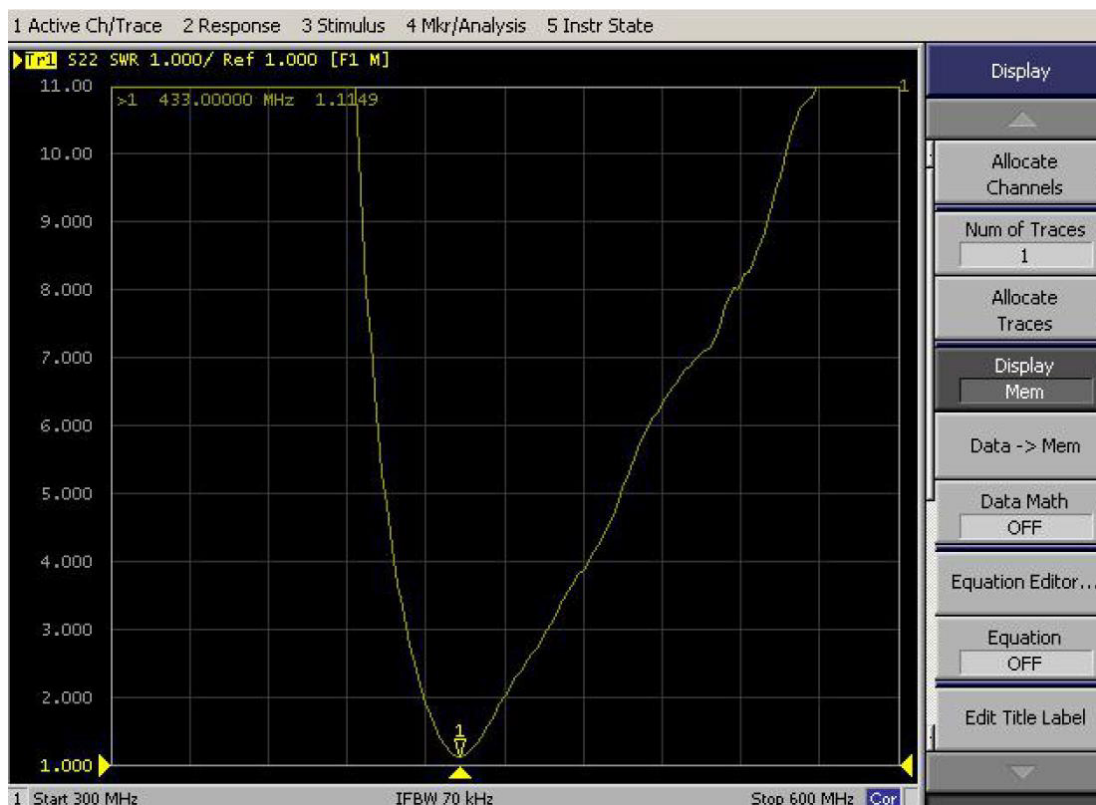
MECHANICAL DRAWING



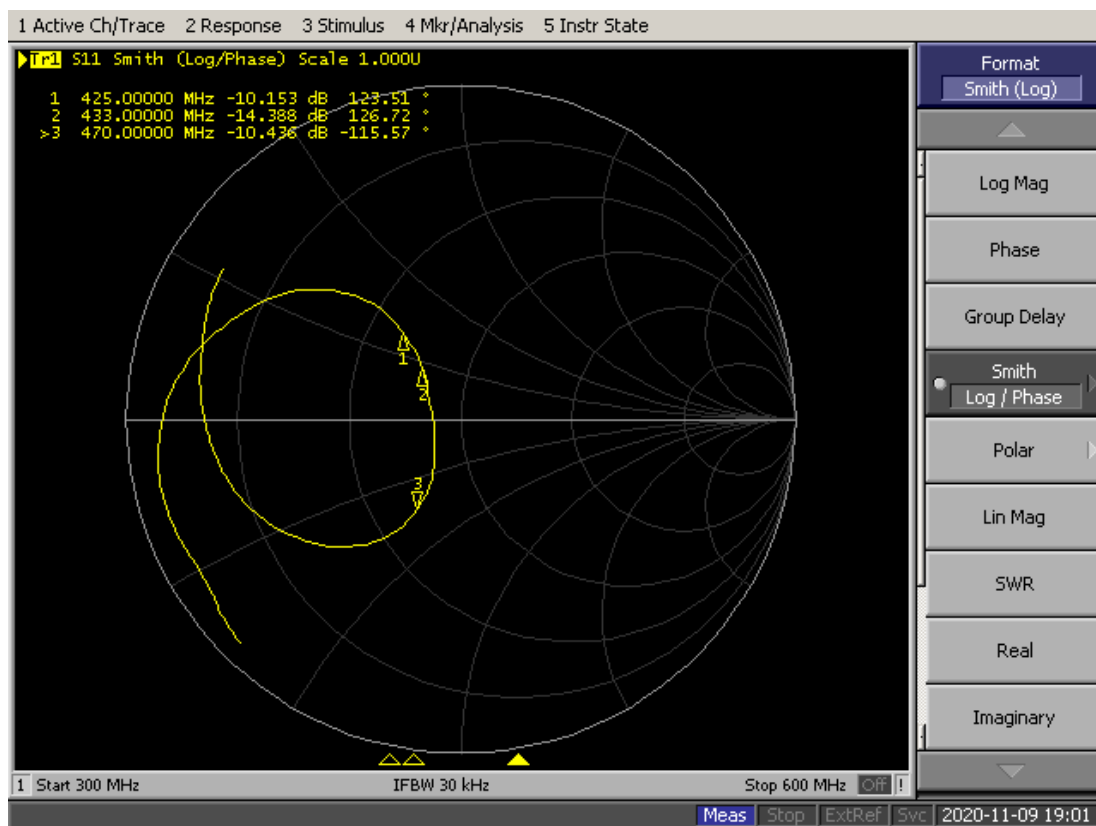
UNIT: mm

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-Male Nickel plated

S.W.R.



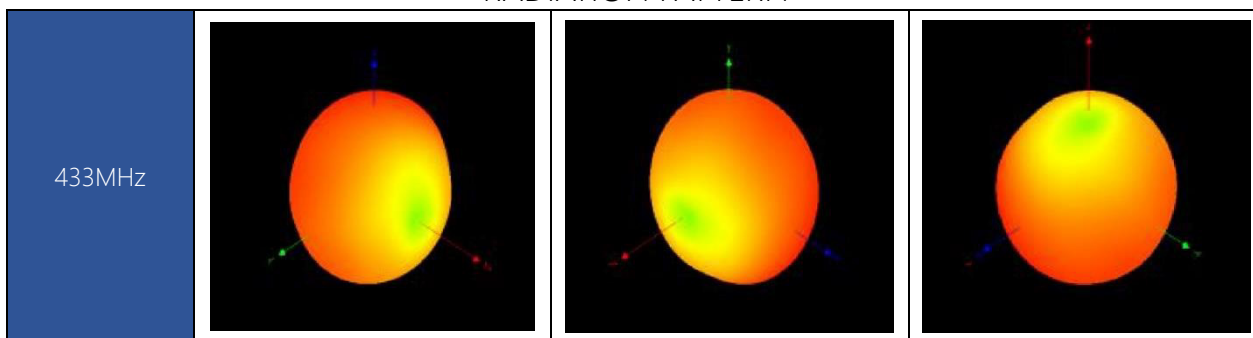
SMITH



EFFICIENCY/GAIN TEST

No.	Frequency Hz	Efficiency %	Gain dBi
01	424M	59.02	1.82
02	427M	57.94	1.11
03	430M	61.52	1.62
04	433M	65.16	2.62
05	436M	60.95	2.14
06	439M	61.52	1.96
07	442M	59.57	0.52
08	445M	61.80	1.27

RADIATION PATTERN


 Testing Engineer: GuoWei Cao

GuoWei Cao

DISCLAIMER

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