



2.4G/5.8G ROB ANTENNA

TECHNICAL DATA SHEET

TXWF-JKS-20RP

VERSION: 3.2 DATA: 2020-11-06

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

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

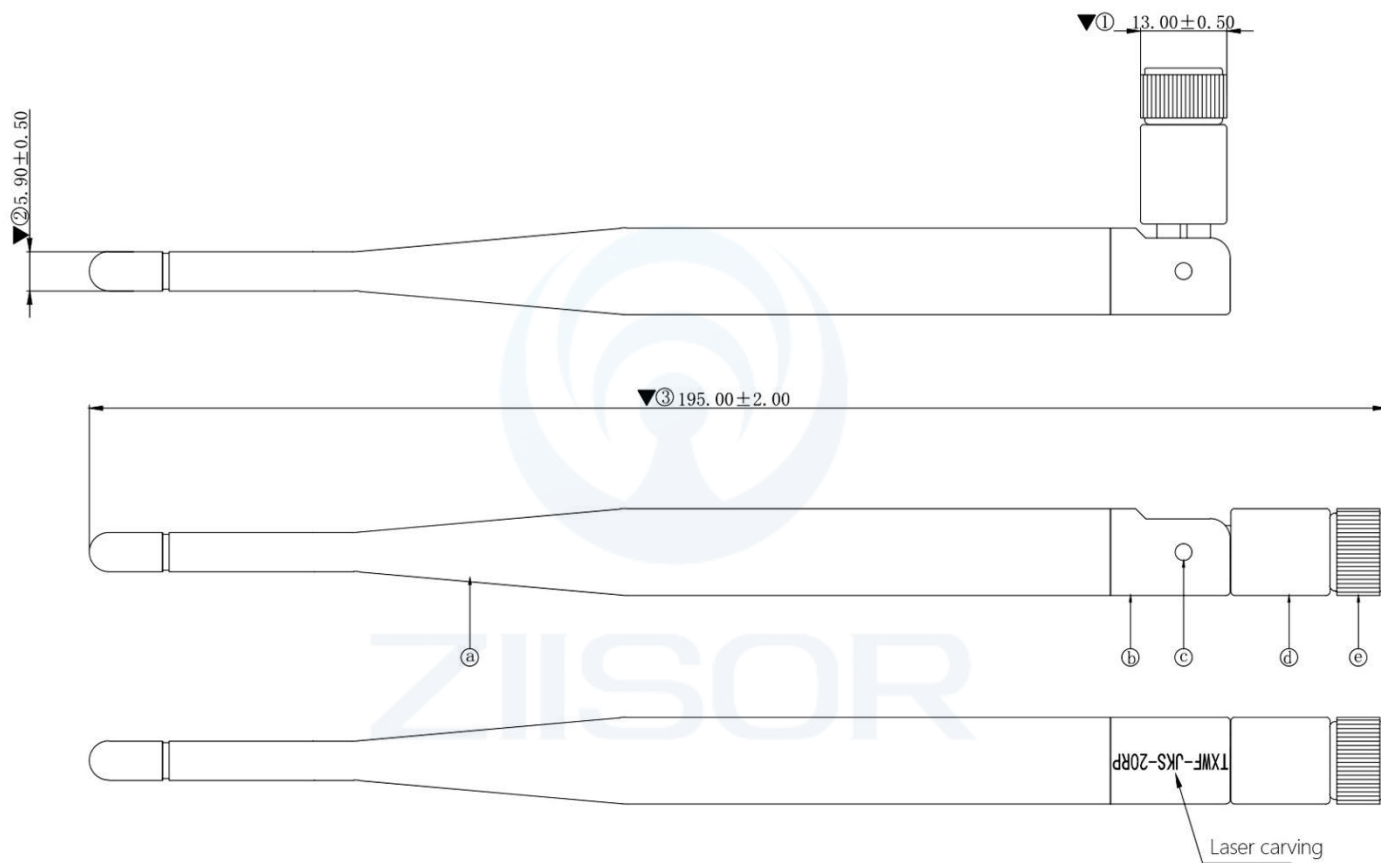


TXWF-JKS-20

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NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TXWF-JKS-20RP	2.4G/5.8G Rob Antenna
02	Material	TPEE	
03	Material of Radiator	CU	
04	Connector Type	RP-SMA-J	
05	Antenna Colour	Black	
06	Overall Length	195mm	OD13mm
07	Cable Type	N/A	
08	Cable Length	N/A	
09	Weight	17g	±2g
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	2.4G/5.8G	2.4~2.5G/5.15~5.85GHz
02	Antenna Gain	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	

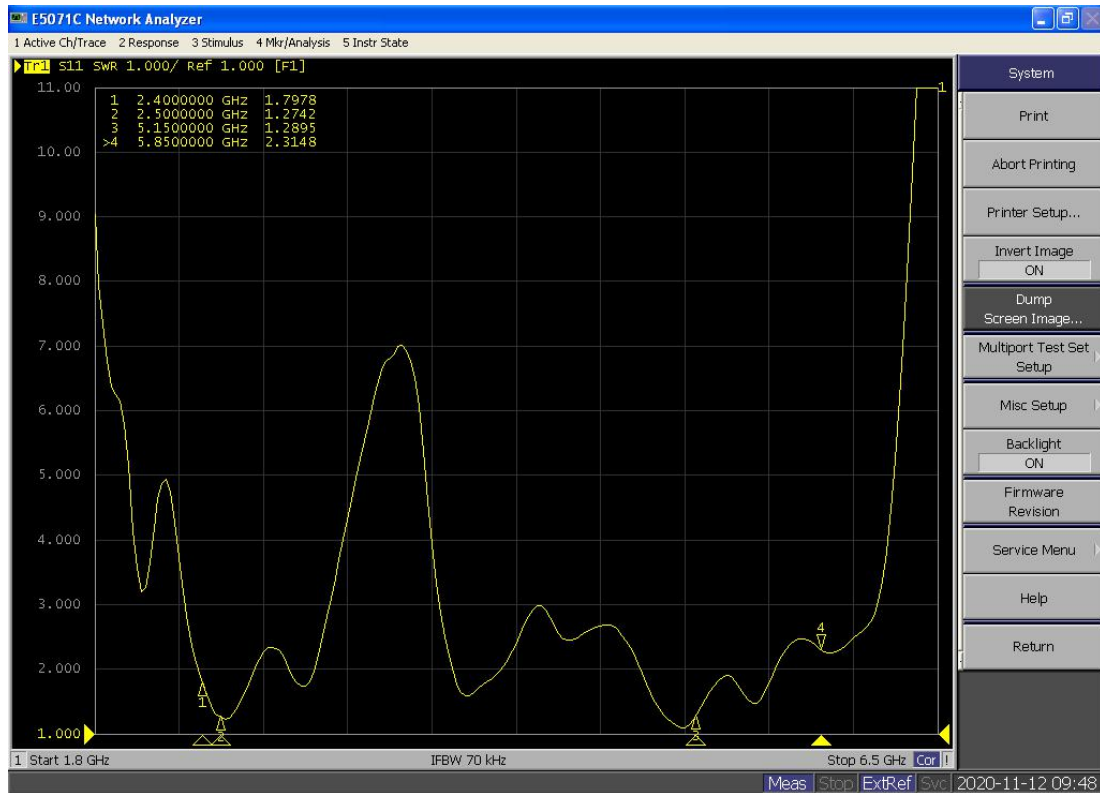
MECHANICAL DRAWING



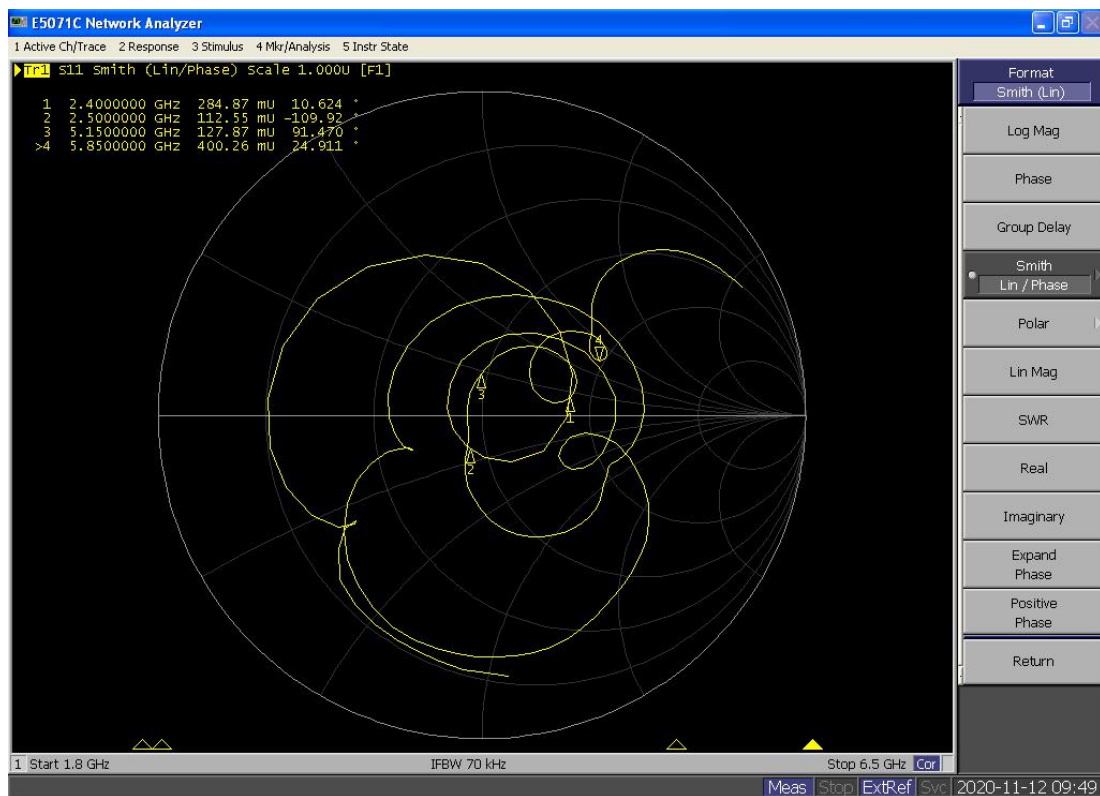
UNIT: mm

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	PR-SMA-J Nickel plated

S.W.R.



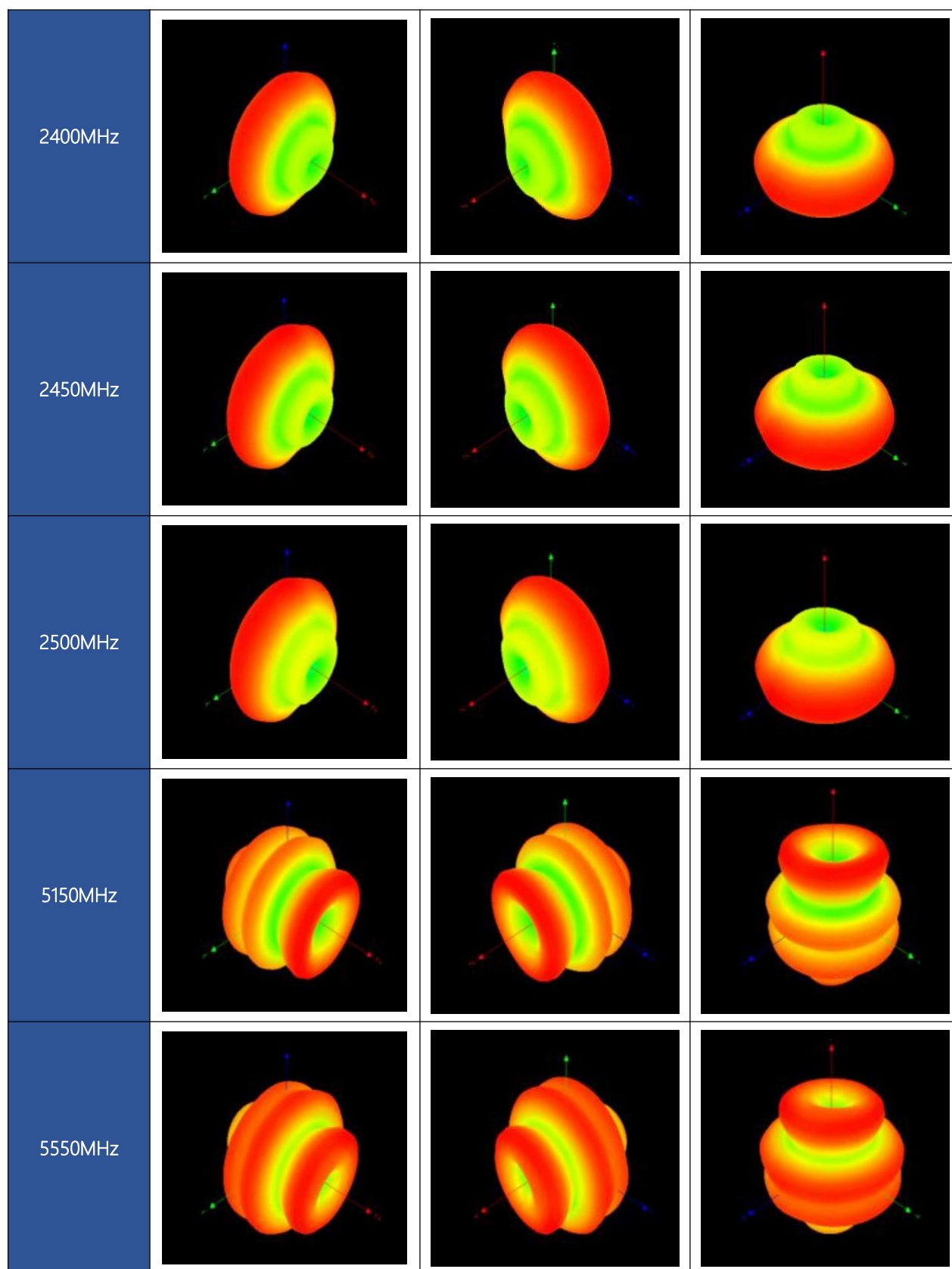
SMITH

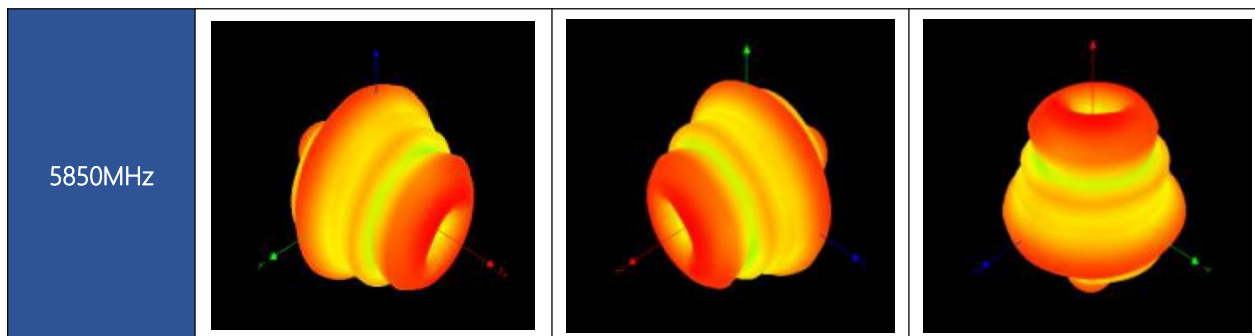


EFFICIENCY/GAIN TEST

No.	Frequency Hz	Efficiency %	Gain dBi
01	2400M	74.13	4.10
02	2410M	74.64	4.06
03	2420M	73.28	3.84
04	2430M	74.47	3.91
05	2440M	74.47	3.76
06	2450M	76.91	3.51
07	2460M	78.89	3.87
08	2470M	80.17	4.05
09	2480M	75.86	3.75
10	2490M	74.64	3.62
11	2500M	75.86	3.86
12	5130M	57.68	3.22
13	5160M	64.12	3.03
14	5190M	54.33	2.56
15	5220M	56.62	2.72
16	5250M	65.16	2.99
17	5280M	64.27	3.13
18	5310M	67.92	3.51
19	5340M	69.98	3.14
20	5370M	69.66	2.87
21	5400M	73.28	3.65
22	5430M	76.74	3.35
23	5460M	68.71	2.71
24	5490M	73.11	3.25
25	5520M	74.47	3.23
26	5550M	72.44	3.06
27	5580M	67.3	2.39
28	5610M	70.63	3.30
29	5640M	75.16	3.47
30	5670M	63.68	2.84
31	5700M	61.94	2.43
32	5730M	67.76	3.55
33	5760M	58.21	2.70
34	5790M	48.31	2.29
35	5820M	60.67	3.32
36	5850M	47.21	2.55

RADIATION PATTERN





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