



# **2.4G/5.8G ROB ANTENNA**

## **TECHNICAL DATA SHEET**

TXWF-JKS-20



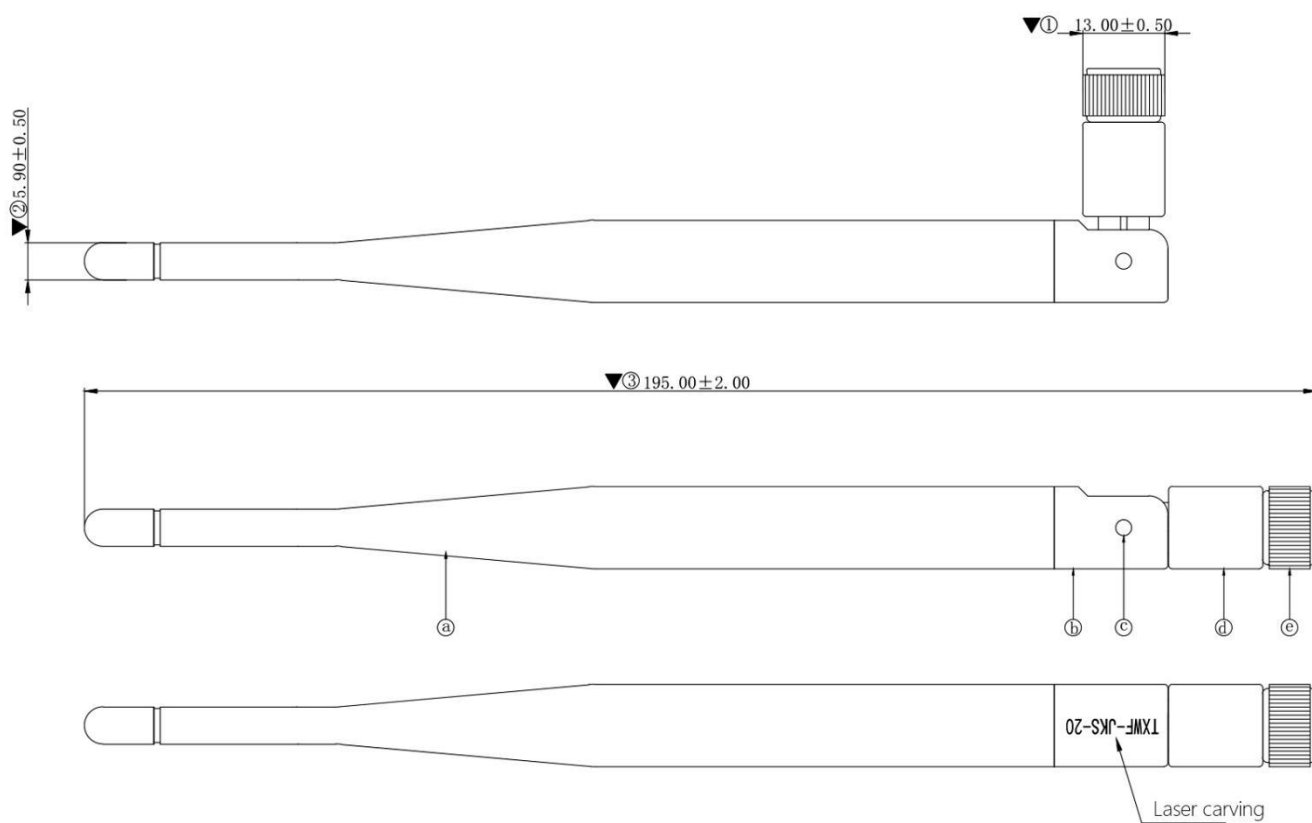


TXWF-JKS-20

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NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TXWF-JKS-20	2.4G/5.8G Rob Antenna
02	Material	TPEE	
03	Material of Radiator	CU	
04	Connector Type	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	

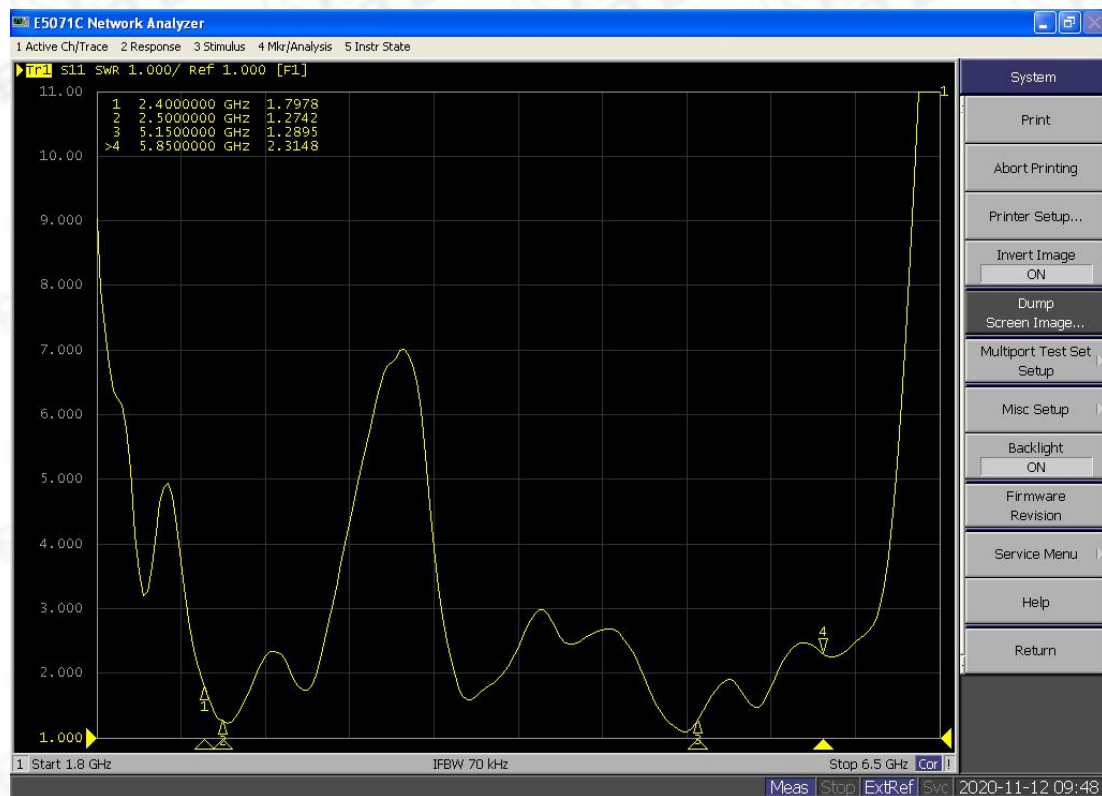
## MECHANICAL DRAWING



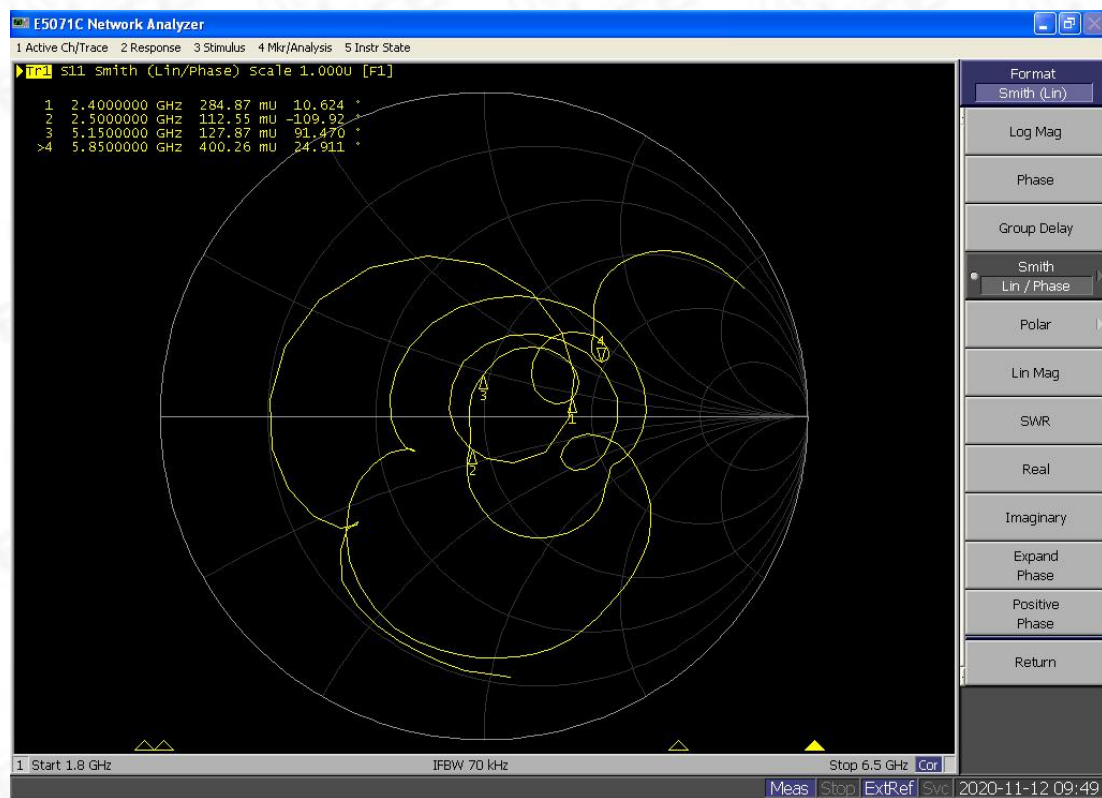
UNIT: mm

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	SMA-J Nickel plated

## S.W.R.



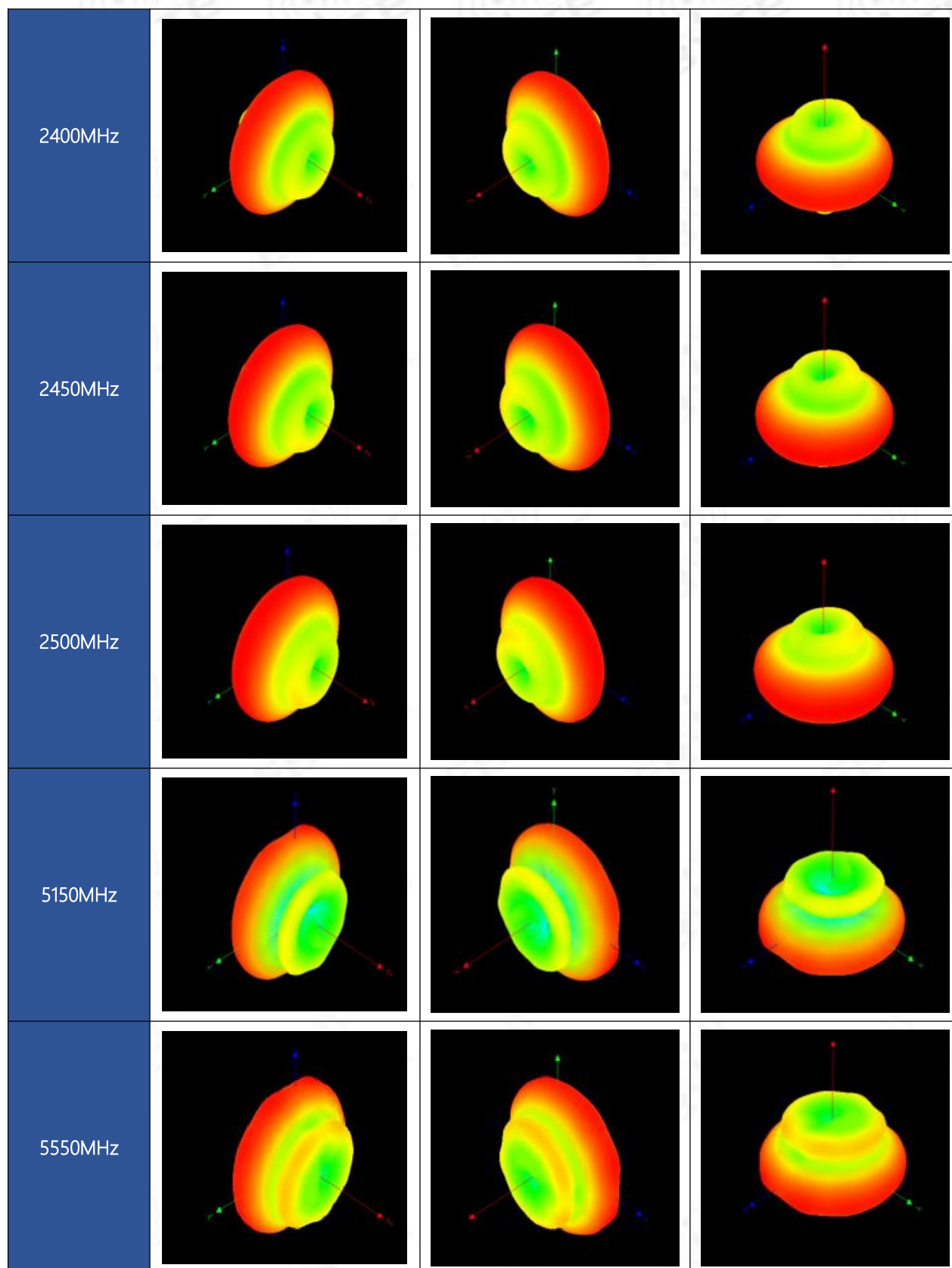
## SMITH

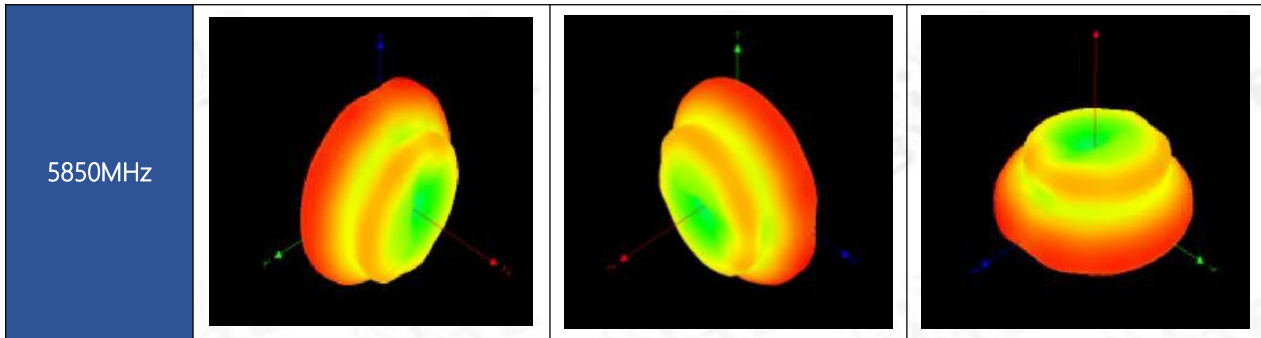


## EFFICIENCY/GAIN TEST

No.	Frequency Hz	Efficiency %	Gain dBi
01	2400M	65.39	3.23
02	2410M	64.98	3.41
03	2420M	64.43	3.27
04	2430M	65.53	3.15
05	2440M	65.12	3.27
06	2450M	64.70	3.89
07	2460M	64.98	4.1
08	2470M	67.66	4.17
09	2480M	68.68	4.06
10	2490M	64.70	4.27
11	2500M	65.26	4.34
12	5130M	51.52	1.09
13	5160M	51.76	1.46
14	5190M	50.58	1.58
15	5220M	57.54	2.02
16	5250M	58.21	2.46
17	5280M	52.84	2.62
18	5310M	57.15	2.88
19	5340M	57.41	2.88
20	5370M	55.34	2.63
21	5400M	52.72	2.04
22	5430M	52.00	1.92
23	5460M	54.70	2.16
24	5490M	53.70	1.97
25	5520M	49.20	1.51
26	5550M	51.76	2.15
27	5580M	55.72	2.68
28	5610M	55.98	2.53
29	5640M	55.46	2.32
30	5670M	55.08	2.47
31	5700M	59.98	3.08
32	5730M	63.68	3.16
33	5760M	58.21	2.62
34	5790M	54.08	2.37
35	5820M	63.24	3.39
36	5850M	61.24	3.67

## RADIATION PATTERN





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