



5.8GHz ROB ANTENNA

TECHNICAL DATA SHEET

TX5800-JW-5

VERSION: 3.2 DATA: 2020-11-06

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

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

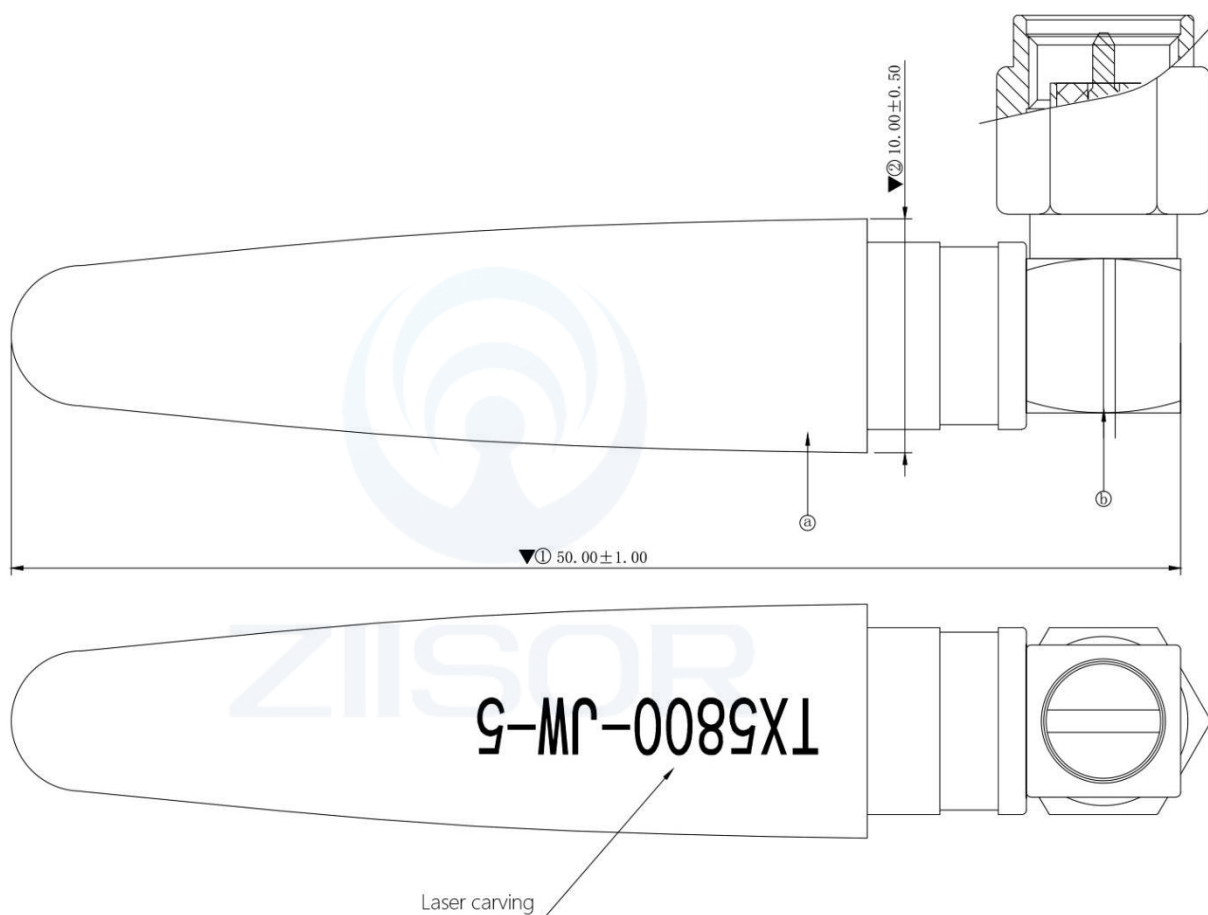


TX5800-JW-5

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NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TX5800-JW-5	5.8G Rob Antenna
02	Material	TPEE	
03	Material of Radiator	CU	
04	Connector Type	SMA-JW	
05	Antenna Colour	Black	
06	Overall Length	50mm	OD10mm
07	Cable Type	N/A	
08	Cable Length	N/A	
09	Weight	8g	±1g
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	5.8GHz	5150~5850MHz
02	Antenna Gain	3.8dBi	
03	Radiation type	Omnidirectional	
04	Polarization	Linear	Vertical
05	Nominal Impedance	50Ω	
06	Power Standing	10W	
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	

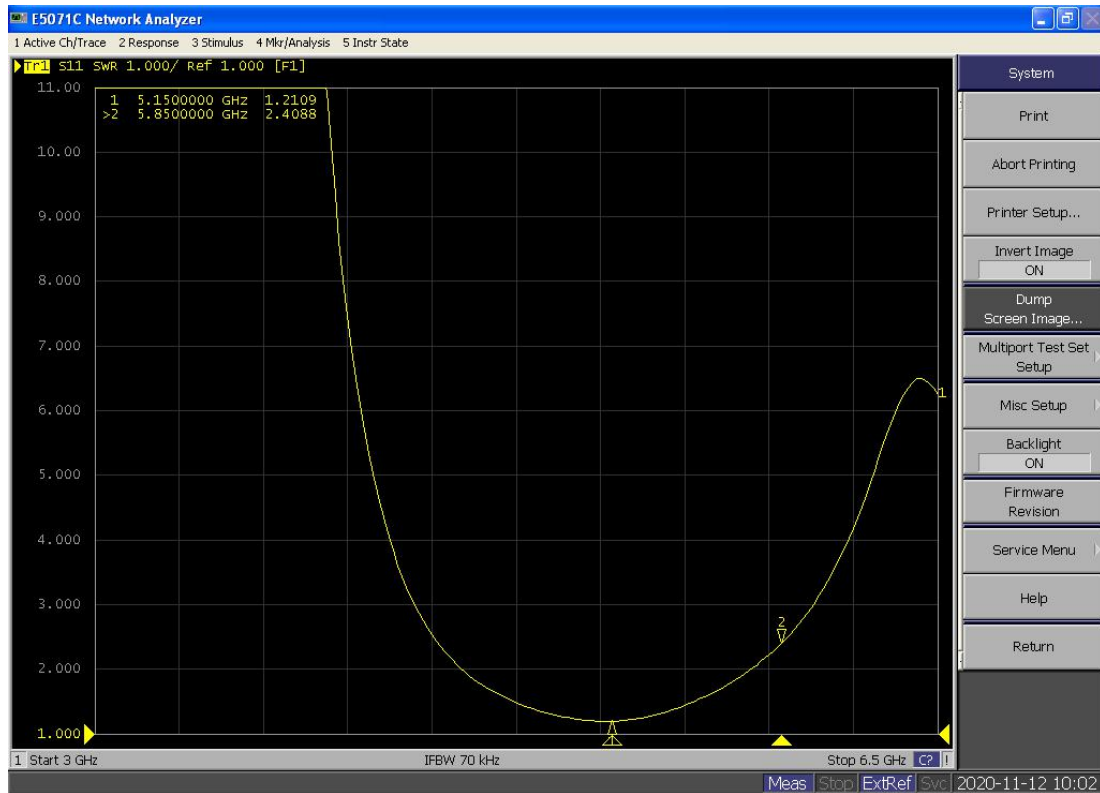
MECHANICAL DRAWING



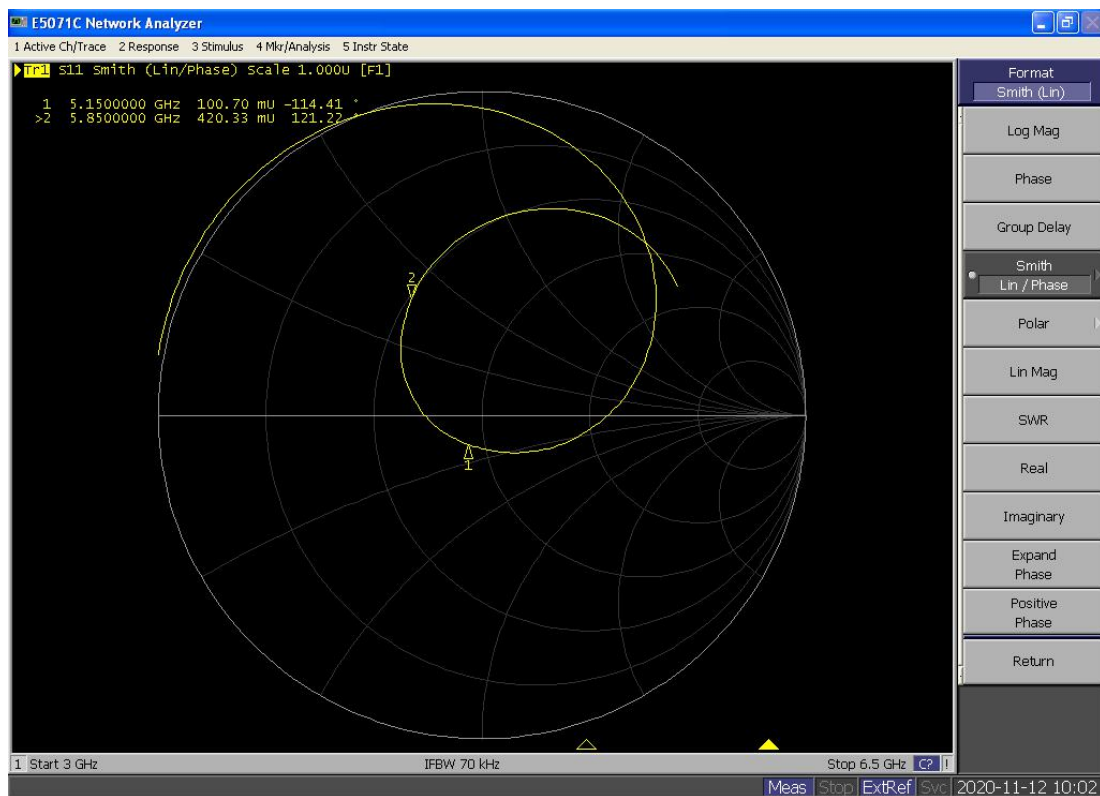
UNIT: mm

ITEM	PART NAME	QUANTITY	MATERIAL / FINISH
a	Shell	1	TPEE Black
b	Connector	1	SMA-JW Gilded

S.W.R.



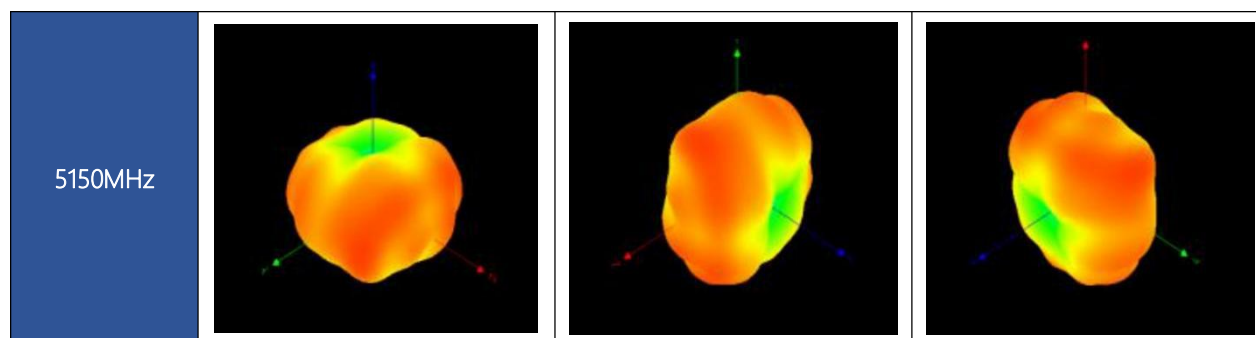
SMITH

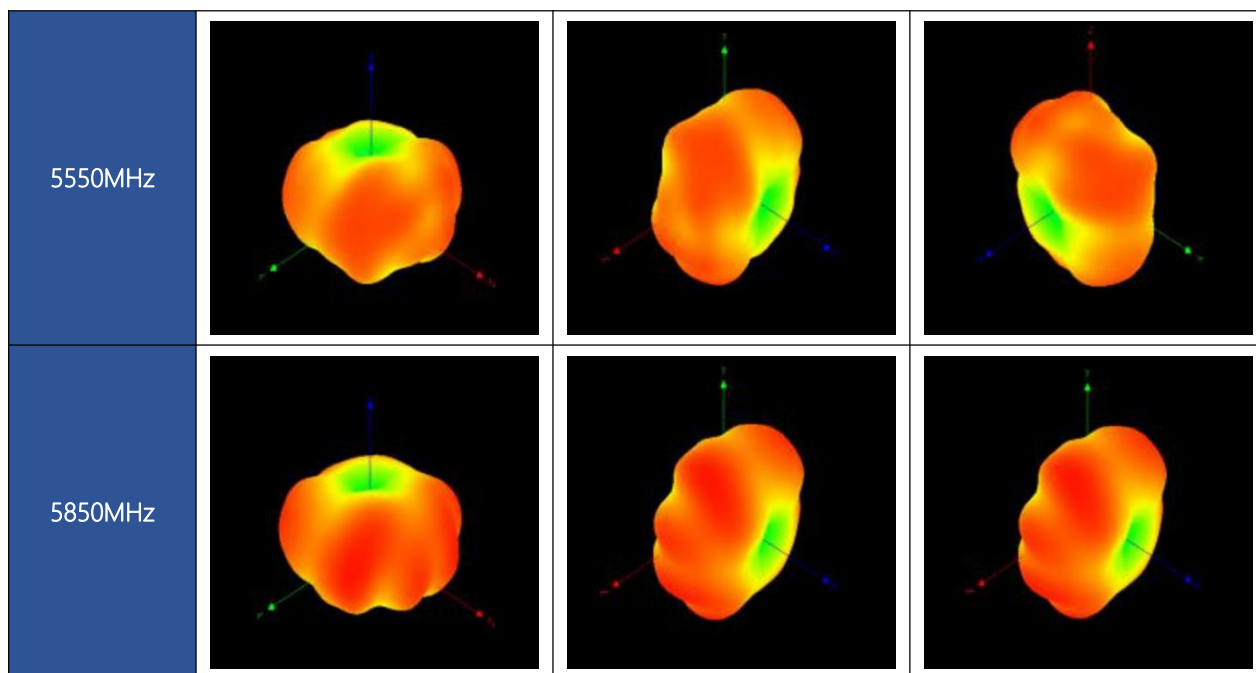


EFFICIENCY/GAIN TEST

No.	Frequency Hz	Efficiency %	Gain dBi
01	5130M	65.68	2.76
02	5160M	61.02	2.61
03	5190M	67.09	3.14
04	5220M	65.51	2.59
05	5250M	62.28	2.44
06	5280M	62.78	2.66
07	5310M	67.98	3.16
08	5340M	65.86	2.82
09	5370M	67.98	2.96
10	5400M	77.9	3.44
11	5430M	63.45	2.56
12	5460M	69.43	2.68
13	5490M	72.79	2.88
14	5520M	63.62	2.61
15	5550M	69.25	3.03
16	5580M	77.5	3.12
17	5610M	68.16	2.86
18	5640M	68.34	2.66
19	5670M	87.95	3.31
20	5700M	77.5	3.35
21	5730M	84.41	3.76
22	5760M	88.17	3.75
23	5790M	84.19	3.82
24	5820M	73.95	3.13
25	5850M	89.8	3.78

RADIATION PATTERN





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