470MHz ROD ANTENNA

TECHNICAL DATA SHEET

TX470-JZR-9



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TX470-JZR-9

NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TX470-JZR-9	470MHz Rod Antenna
02	Material	TPEE	
03	Material of Radiator	Copper	
04	Connector Type	SMA Male	
05	Antenna Colour	Black	
06	Overall Length	60mm	OD8mm
07	Cable Type	N/A	
08	Cable Length	N/A	
09	Weight	9g	±1g
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	470MHz	460~480MHz
02	Antenna Gain	3dBi	
03	Radiation type	Omnidirectional	
04	Polarization	Linear	Vertical
05	Nominal Impedance	50Ω	
06	Power Capacity	10W	
07	S.W.R.	≤1.5	
NO.	ENVIRONMENTAL SPECIFICATIONS	VALUE	COMMENT
01	Operation Temperature	-30℃ ~ +75℃	
02	Storage Temperature	-30℃ ~ +75℃	
03	RoHS Compliant	YES	

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MECHANICAL DRAWING





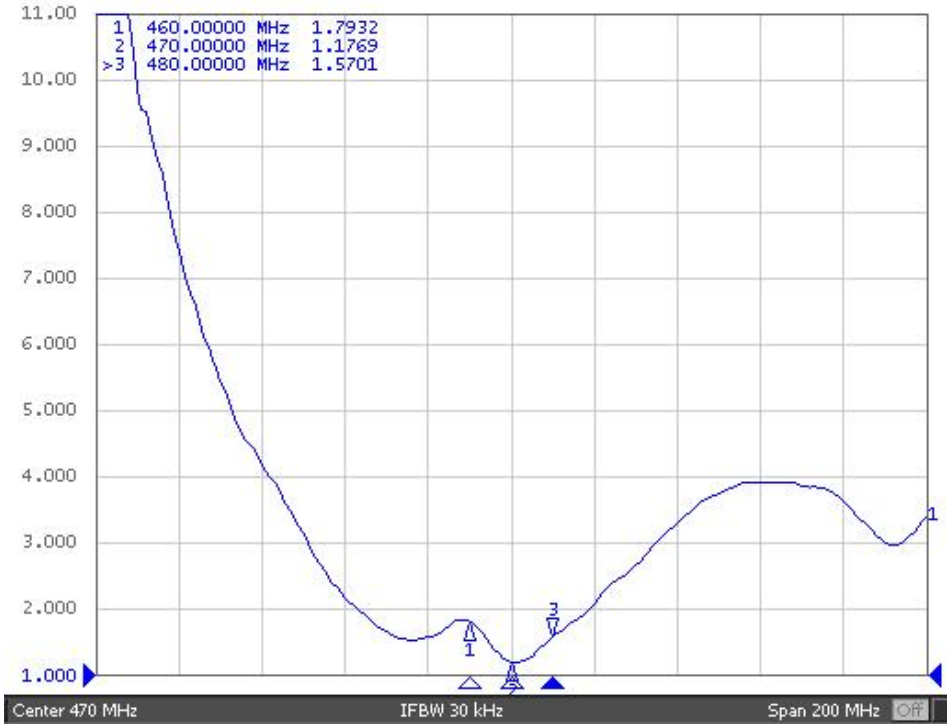
UNIT: mm

ITEM	PART NAME	QUANTITY	MATERIAL / FINISH
a	Radome	1	TPEE Black
b	Connector	1	SMA Male Nickel plated
c	Rubber	1	Rubber ring Black

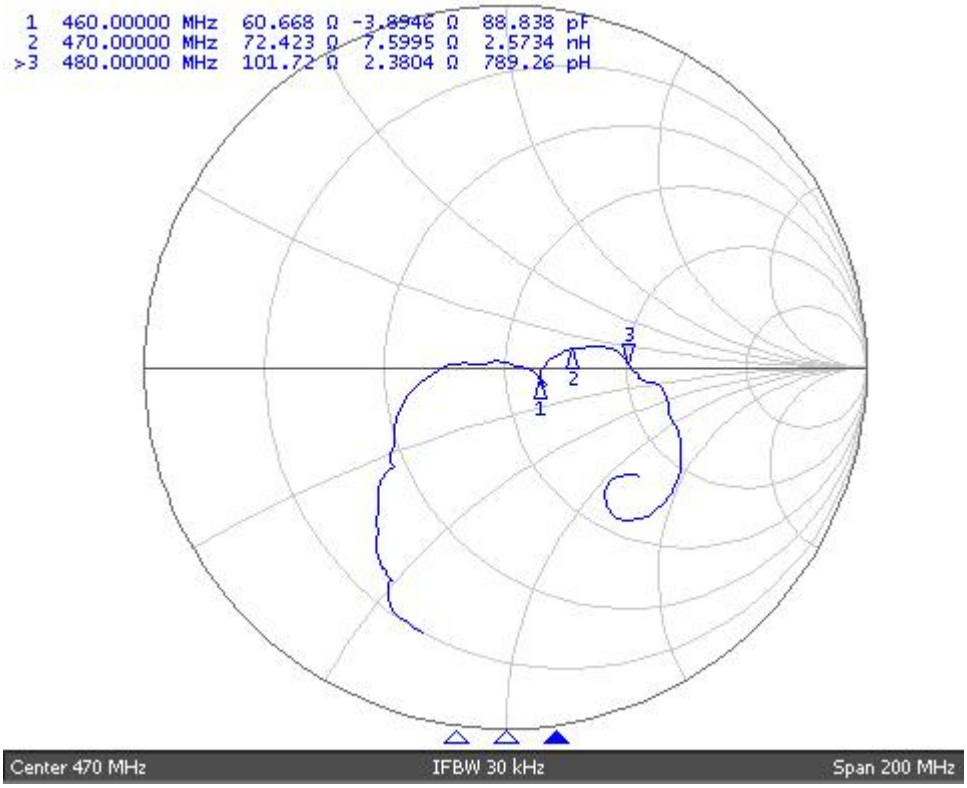
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S.W.R.



SMITH



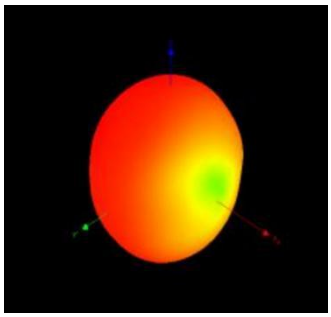
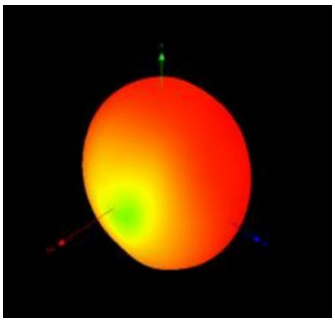
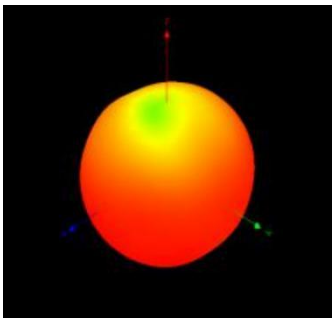
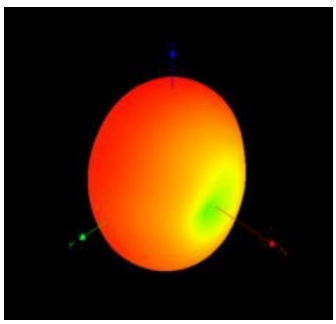
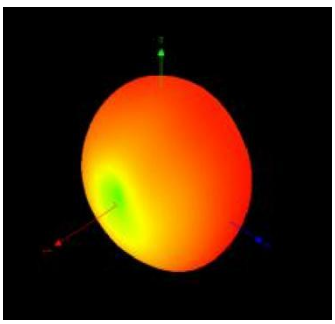
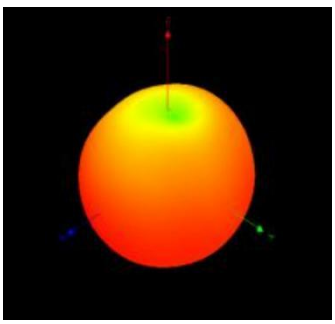
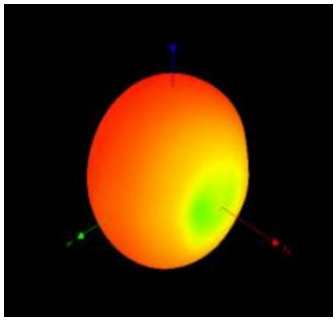
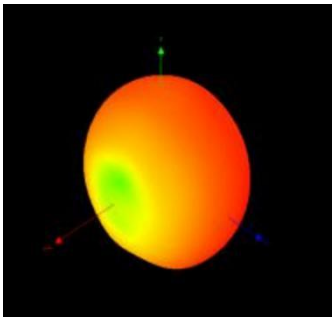
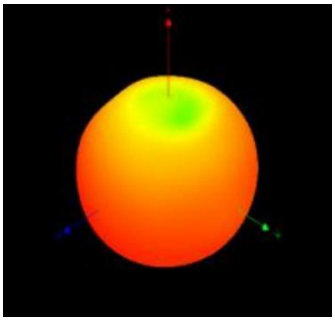
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EFFICIENCY/GAIN TEST

No.	Frequency Hz	Efficiency %	Gain dBi
01	450M	68.25	2.09
02	455M	68.37	2.34
03	460M	68.54	2.43
04	465M	68.92	2.32
05	470M	68.71	3.01
06	475M	72.11	3.23
07	580M	74.23	3.12
08	585M	64.95	3.01
09	490M	72.45	4.01

RADIATION PATTERN

450MHz			
470MHz			
490MHz			

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