



470MHz ROD ANTENNA

TECHNICAL DATA SHEET

TX470-JZR-9





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°C ~ +75°C	
02	Storage Temperature	-30°C ~ +75°C	
03	RoHS Compliant	YES	

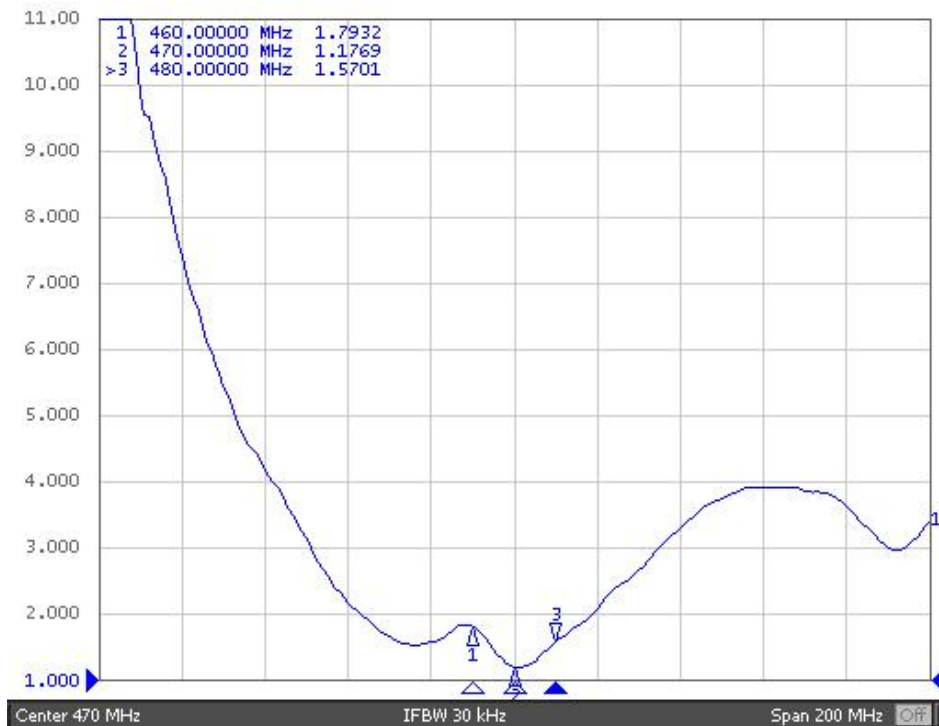
MECHANICAL DRAWING



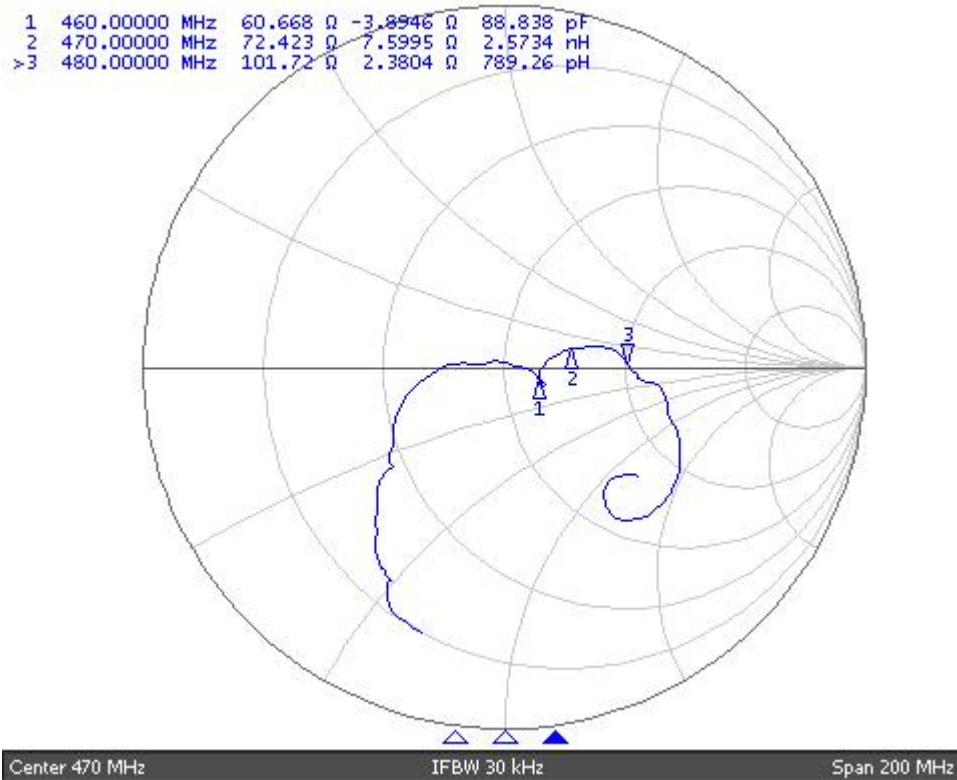
UNIT: mm

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

S.W.R.



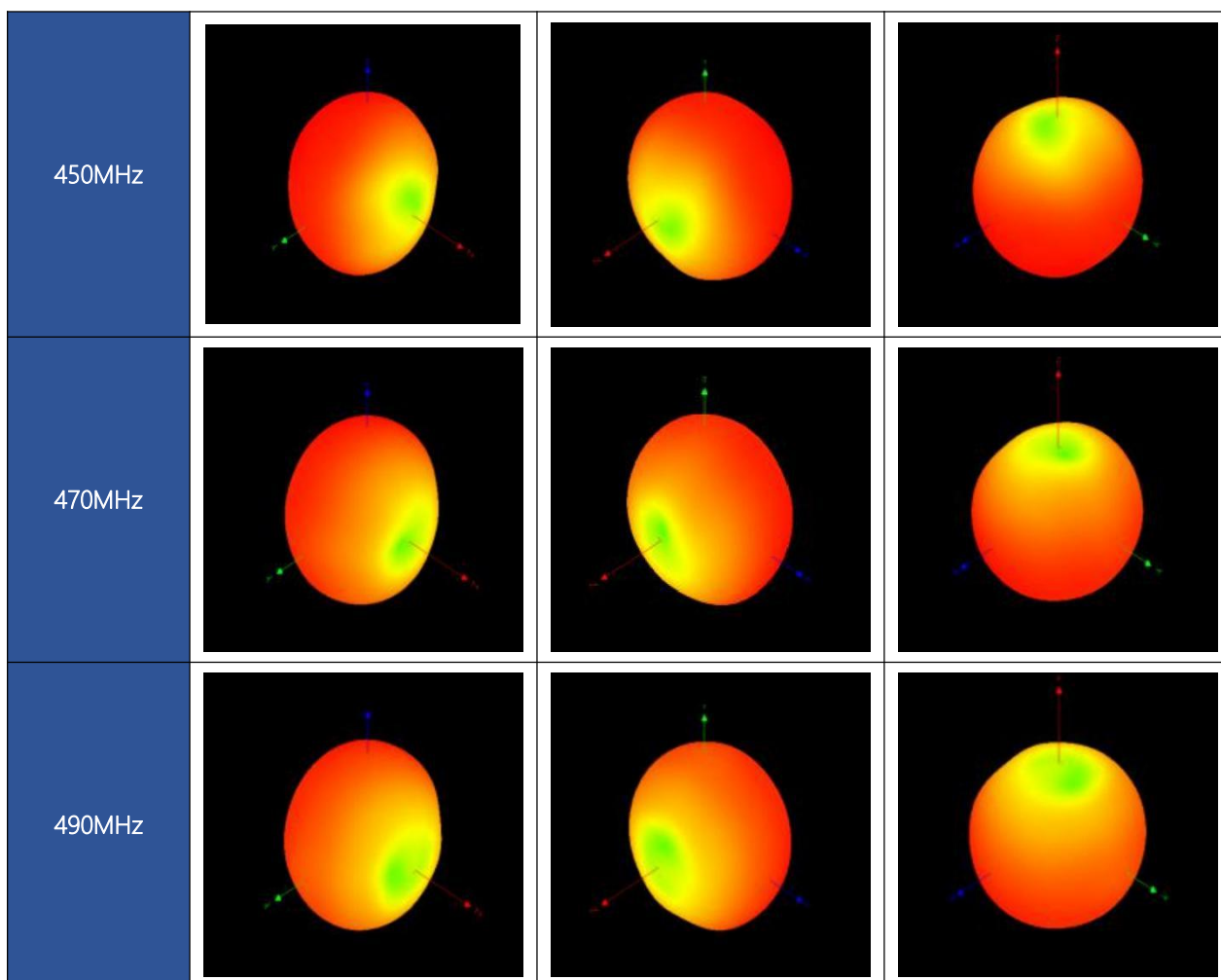
SMITH



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



DISCLAIMER

EBYTE reserves all rights to this document and the information contained herein. Products, names, logos and designs described herein may in whole or in part be subject to intellectual property rights. Reproduction, use, modification or disclosure to third parties of this document or any part thereof without the express permission of EBYTE is strictly prohibited.

The information contained herein is provided "as is" and EBYTE assumes no liability for the use of the information. No warranty, either express or implied, is given, including but not limited, with respect to the accuracy, correctness, reliability and fitness for a particular purpose of the information. This document may be revised by EBYTE at any time. For most recent documents, visit www.cdebyte.com.

About us

Technical support: support@cdebyte.com

Documents and RF Setting download link: www.cdebyte.com

Thank you for using Ebyte products! Please contact us with any questions or suggestions: lirong@cdebyte.com

Phone: 028-61543675

Web: www.cdebyte.com

Address: Building B5, Mould Industrial Park, 199# Xi-Qu Ave, West High-tech Zone, Chengdu, 611731, Sichuan, China



Chengdu Ebyte Electronic Technology Co.,Ltd.