TX230-TB-300 Product Data Sheet

230MHz Copper Rod Sucker Antenna

SMA-J Connector



成都亿佰特电子科技有限公司

Chengdu Ebyte Electronic Technology Co.,Ltd.

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

I. Product Introduction

TX230-TB-300 is a 230MHz copper rod sucker antenna. Height of the antenna is 345mm with a SMA-J connector (SMA inner screw thread and inner needle). The antenna is made of pure copper with a strong magnetic base, which can stick tightly to the metal surface. it can be applied to such devices with frequency of 230MHz as AP, wireless module and so on.

II. Specification and Parameters

Physical Parameters	
Frequency	230MHz
Bandwidth	210-260MHz
Gain	5dBi
SWR	≤1.5
Polarization	Vertical
Radiation Direction	Omnidirectional
Input Impedance	50Ω
Power Capacity	50W
Other Parameters	
Height	345mm
Material	Copper
Sucker Diameter	Φ62.2mm
Total Weight	400g
Feeder Material	RG58
Feeder Length	3m
Connector	SMA-J (SMA inner screw thread and inner needle)
Working Temperature	-40℃～+85℃
Storage Temperature	-40℃～+85℃

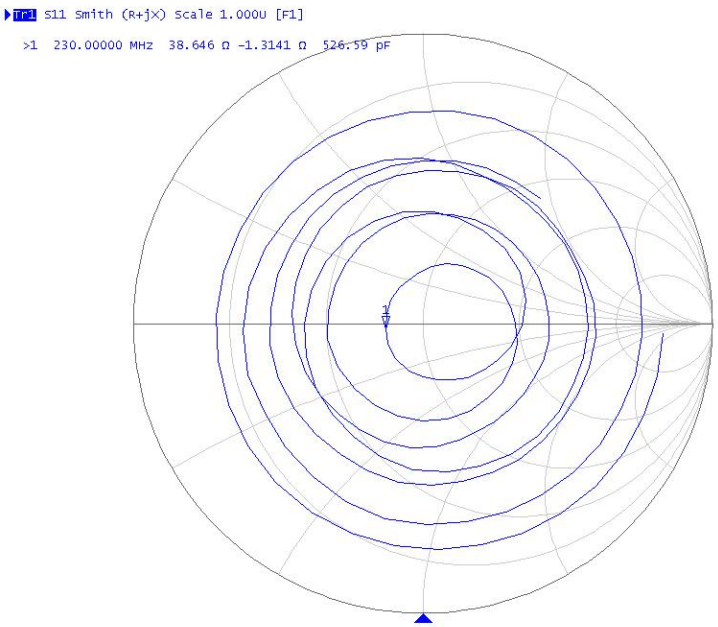


Copyright ©2012–2019, Chengdu Ebyte Electronic Technology Co.,Ltd.

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

III. Testing





Copyright ©2012–2019, Chengdu Ebyte Electronic Technology Co.,Ltd.

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

IV. FAQ

- Antenna frequency shall be matched with that of the wireless devices, or the communication will be affected;
- Diffraction performance will be better with lower communication frequency and longer wave;
- Communication distance will be shorter if there is any straight-line barrier;
- Please be noted of the antenna radiation direction. Incorrect direction by installation will result in short communication distance;
- As radio wave may be absorbed by the ground, result will be affected if tested close to ground. It is suggested to test at a higher place;
- As radio wave can be highly absorbed by the ocean water, result will be affected if tested close to the sea;
- Signal will be seriously weakened if the antenna is put close to metal or inside metal shell;
- Lower impedance matching of antenna and communication devices will result in bad communication.

About us

Technical support: support@cdebyte.com

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

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

---

Fax: 028-64146160 ext. 821

Web: www.ebyte.com

Address: Innovation Center D347, 4# XI-XIN Road,Chengdu, Sichuan, China

成都亿佰特电子科技有限公司
Chengdu Ebyte Electronic Technology Co.,Ltd.

Copyright ©2012–2019, Chengdu Ebyte Electronic Technology Co.,Ltd.

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000