



Z51-S433MJ Product Data Sheet

**433MHz Stainless Steel Rod Antenna
SL16-J Connector**

Chengdu Ziisor Technology Co., Ltd

I. Product Introduction

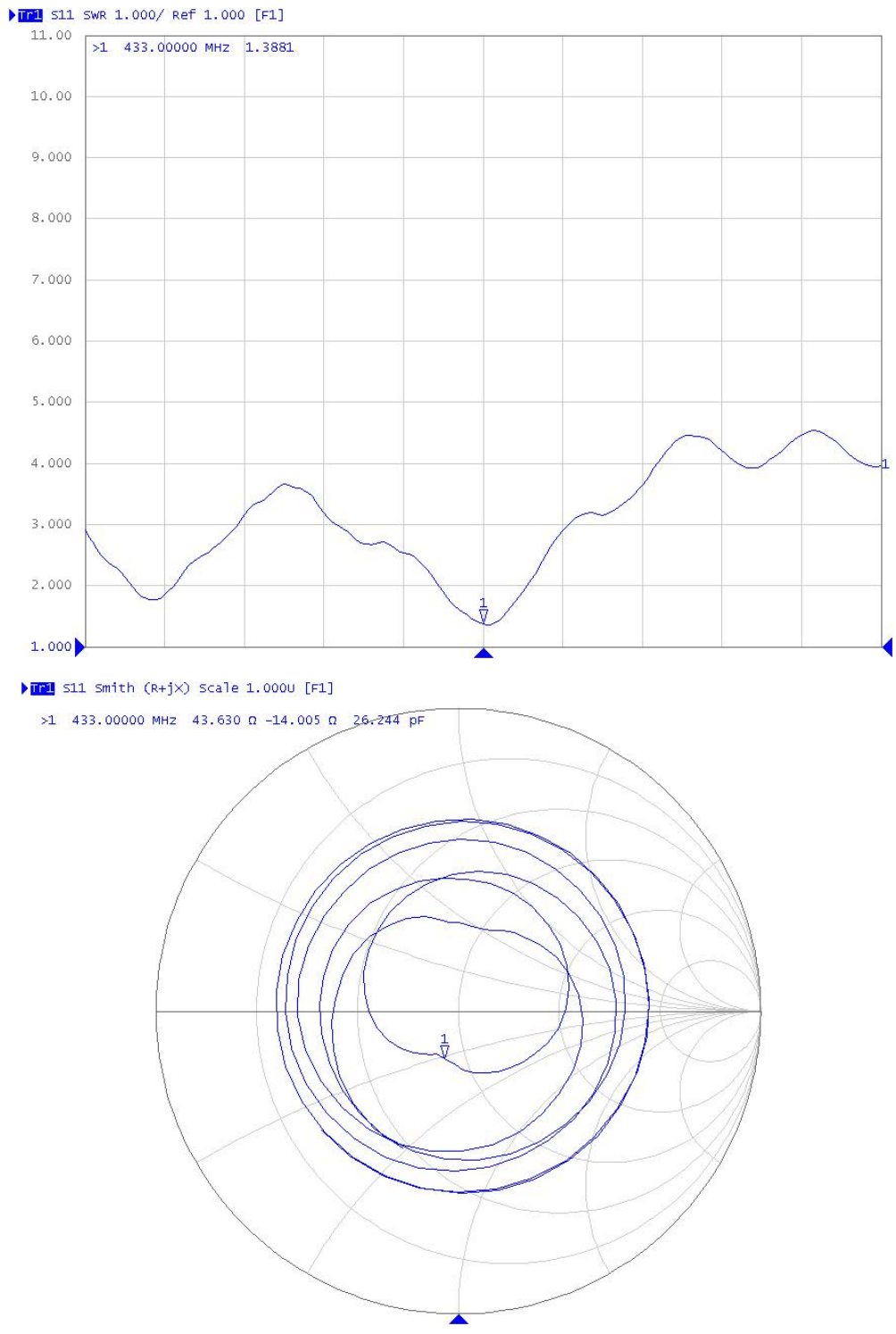
Z51-S433MJ is a 433MHz stainless rod antenna. Height of the antenna is 900mm with a SL16-J connector (M male). The antenna has the advantages of simple structure, good flexibility, omni-direction and convenient use. It can be applied to such devices with frequency of 433MHz as remote extended range system, walkie talkie, picture transmission, wireless data transmission, wireless module and so on.

II. Specification and Parameters

Physical Parameters	
Frequency	433MHz
Bandwidth	420-440MHz
Gain	6dBi
SWR	≤1.5
Polarization	Vertical
Radiation Direction	Omnidirectional
Input Impedance	50 Ω
Power Capacity	50W
Other Parameters	
Height	900mm
Total Weight	155g
Coat Material	Stainless Steel
Connector	SL16-J
Working Temperature	-40℃~+85℃
Storage Temperature	-40℃~+85℃



III. Testing



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.

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