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

TX433-FPC-4516 Product Data Sheet v1.0

Product Introduction TX433-FPC-4516



TX433-FPC-4516 is a 433MHz FPC internal antenna. Size of the antenna is 45*16mm. With a IPX-I interface, it can be applied to such devices with frequency of 433MHz as wireless module, network devices.

Other Parameters TX433-FPC-4516

No.	Parameter item	Parameter details & Description
1	Size	45*16mm
2	Total Weight	1g
3	Material	FPC
4	Feeder Length	120mm
5	Interface	IPX-I
6	Working Temperature	-40℃～+85℃

Physical Parameters TX433-FPC-4516

No.	Parameter item	Parameter details & Description
1	Frequency	433MHz
2	Bandwidth	423-443MHz
3	Gain	2dBi
4	SWR	≤1.5
5	Polarization	Linear
6	Radiation Direction	Omnidirectional
7	Input Impedance	50Ω
8	Power Capacity	2W

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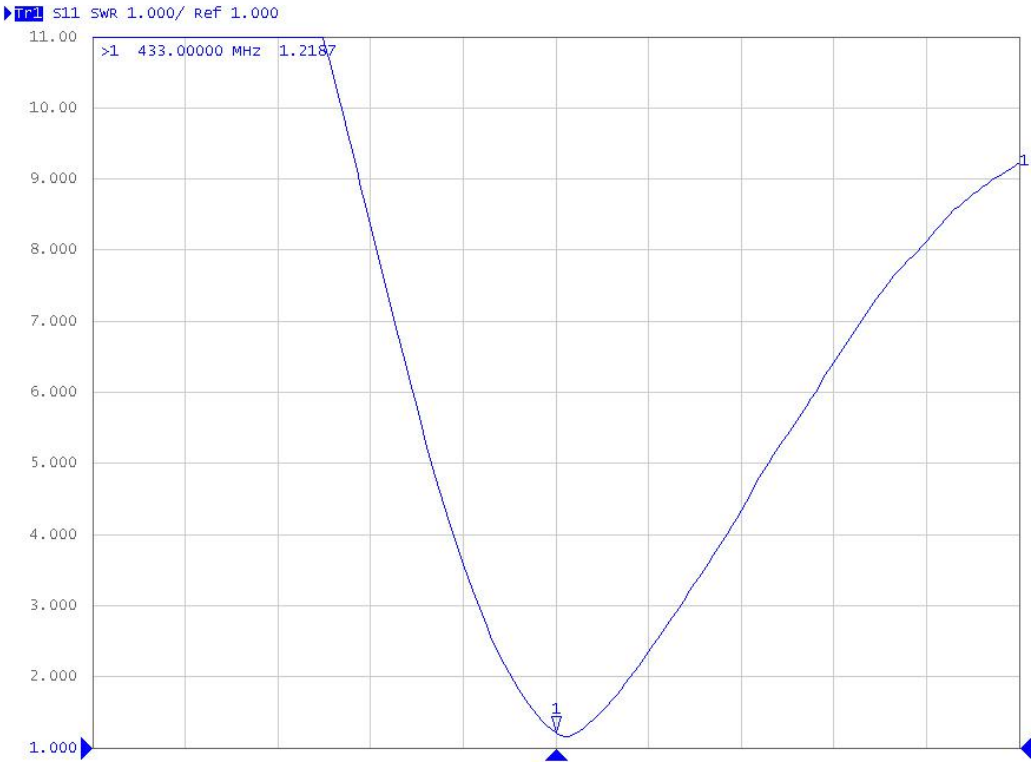
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Size TX433-FPC-4516



Testing TX433-FPC-4516

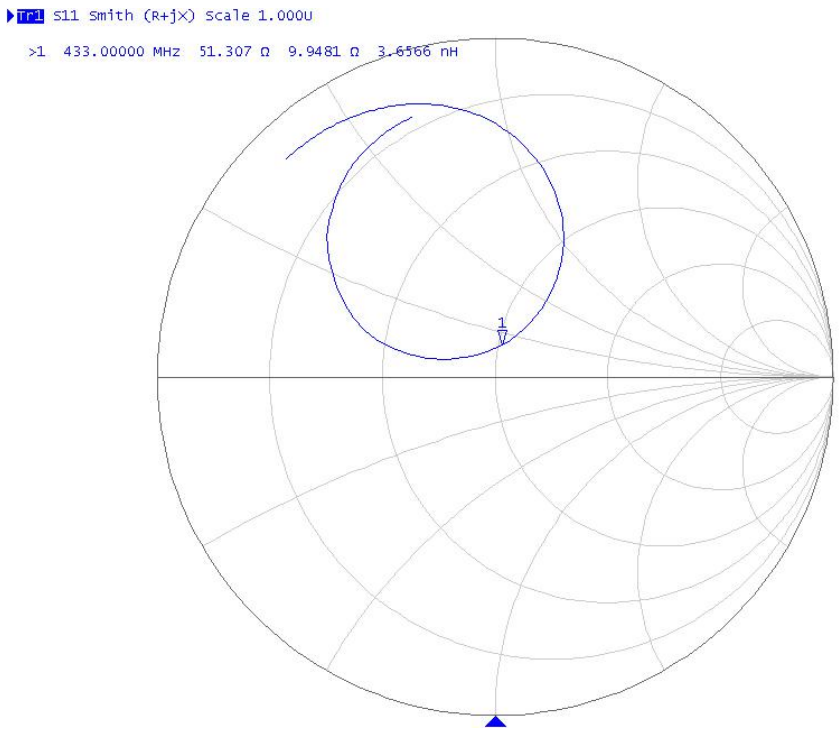
1、VSWR



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2、Smith



FAQ TX433-FPC-4516

- 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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