



TX868-XPL-100 Product Data Sheet

868MHz Sucker Antenna
SMA-J Interface

I. Product Introduction

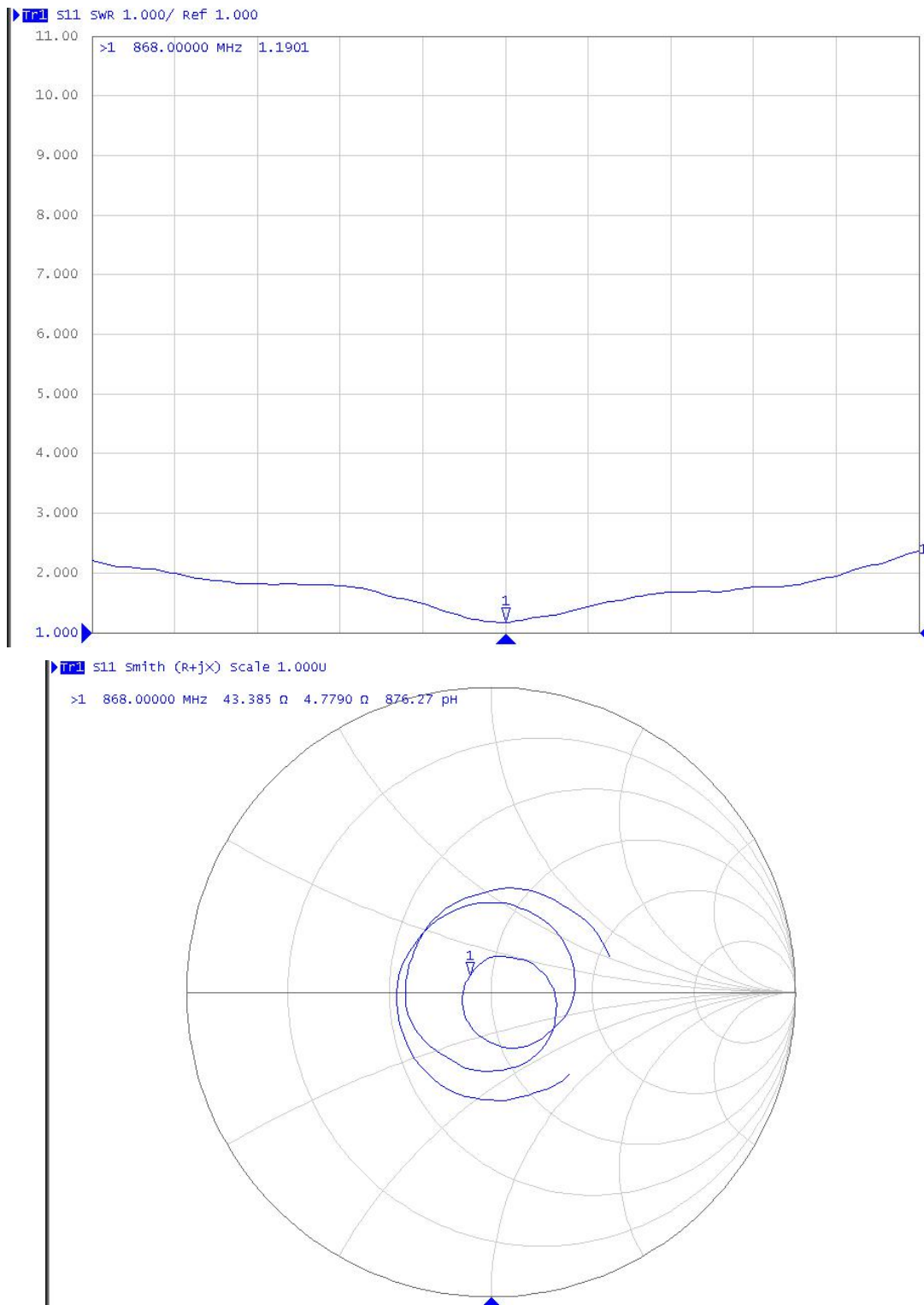
TX868-XPL-100 is a 868MHz sucker antenna. Height of the antenna is 290mm. With a SMA-J interface (SMA inner screw thread and inner needle) and a powerful magnet base, it can stick tightly to the metal surface and be applied to such devices with frequency of 868MHz as wireless module, data transmission radio, remote control and so on.

II. Specification and Parameters

| Physical Parameters | |
|---------------------|--|
| Frequency | 868MHz |
| Bandwidth | 848-888MHz |
| Gain | 3.5dBi |
| SWR | ≤1.5 |
| Polarization | Vertical |
| Radiation Direction | Omnidirectional |
| Input Impedance | 50 Ω |
| Power Capacity | 50W |
| Other Parameters | |
| Height | 290mm |
| Sucker Diameter | 30mm |
| Material | Carbon Steel+ABS |
| Total Weight | 31g |
| Feeder Length | 1m |
| Feeder Material | RG174 |
| Interface | SMA-J (SMA inner screw thread and inner needle) |
| Working Temperature | -40°C ~ +85°C |
| Storage Temperature | -40°C ~ +85°C |



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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