

915MHz Elbow Rod Antenna

Product Specification



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Note: Revision History

Revision	Date	Comment
V1.0	2013-06	First release
V2.0	2016-06	Typesetting, measurements revised
V2.1	2017-06	Logo updated
V2.2	2018-8	Increase test datas

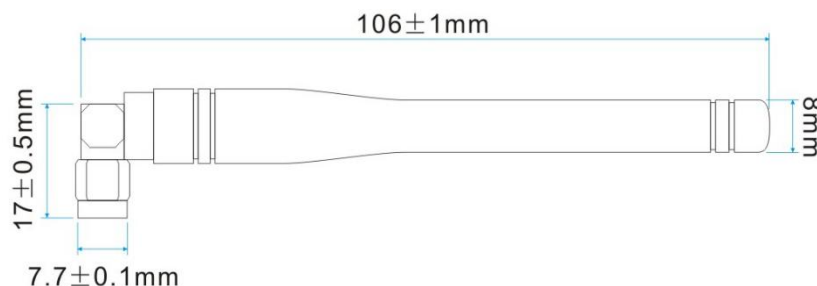
1. Description

SW915-WT100, an elbow rod antenna, designed specially for 915MHz wireless communication and Meter Reading Communication System, it has good VSWR, ingenious structure, easy installation, stable performance, with good anti-vibration and anti-aging ability.

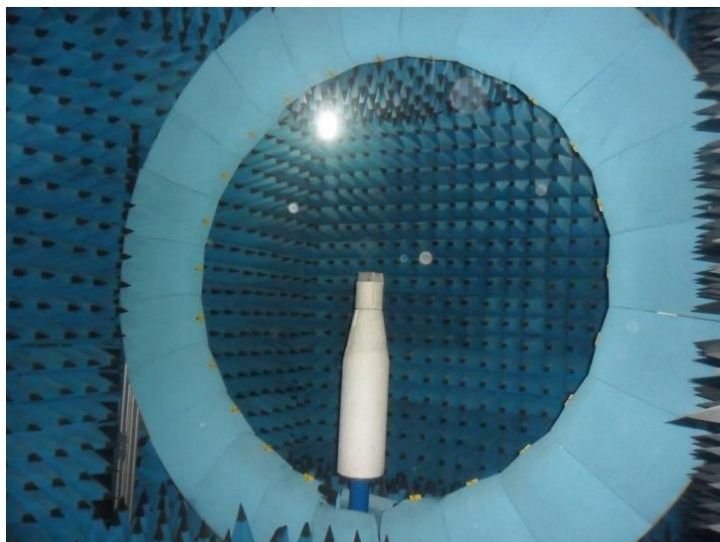
2. Technical Parameter

- Frequency Range: 915 ± 10 MHz
- VSWR: ≤ 2.0
- Gain: 2.3 dBi
- Input impedance: 50Ω
- Max power: 10 W
- Polarization: vertical polarization
- Height: 106 ± 1 mm
- Interface form: SMA-JW
- Lead wire: none
- Antenna Color: black
- Weight: 15 g

3. Size

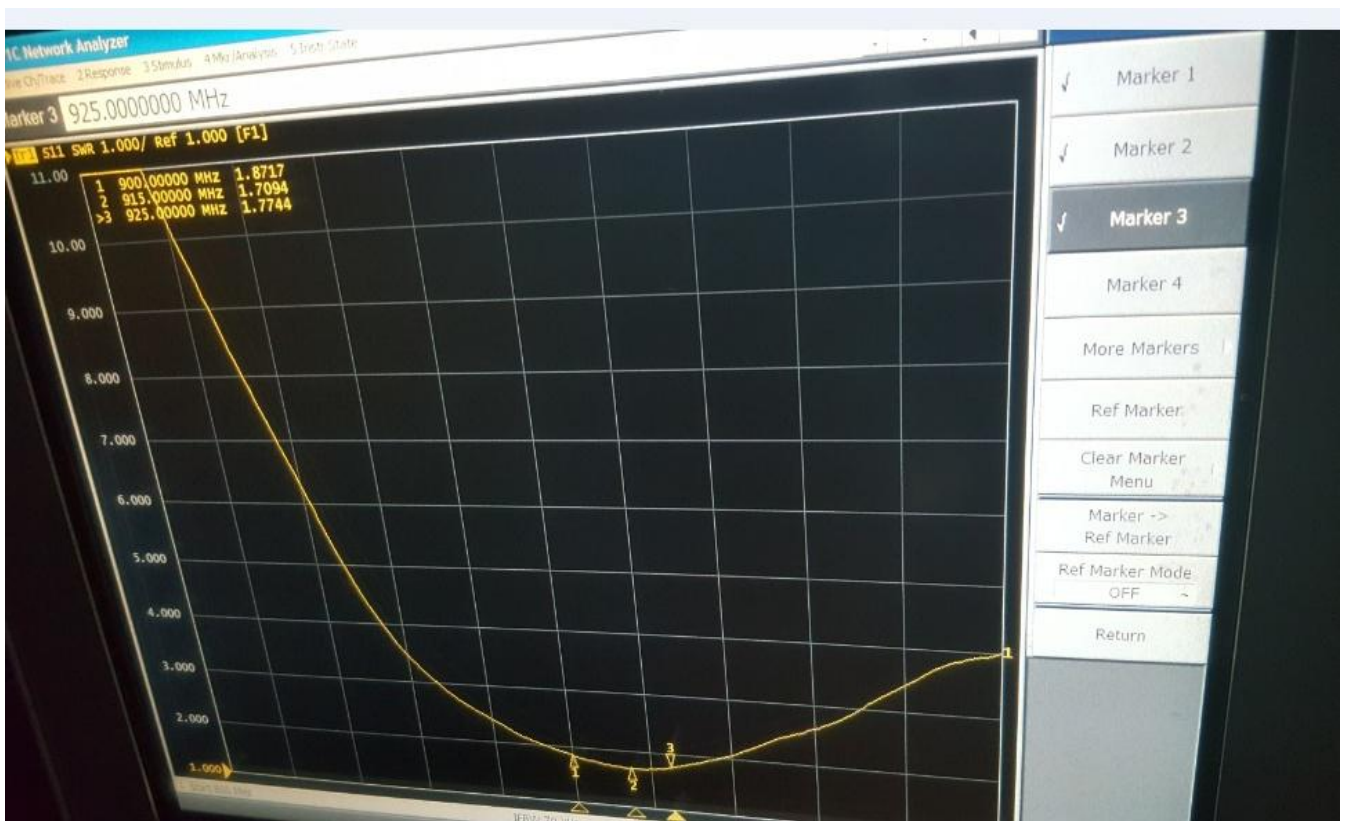


4. Test Datas

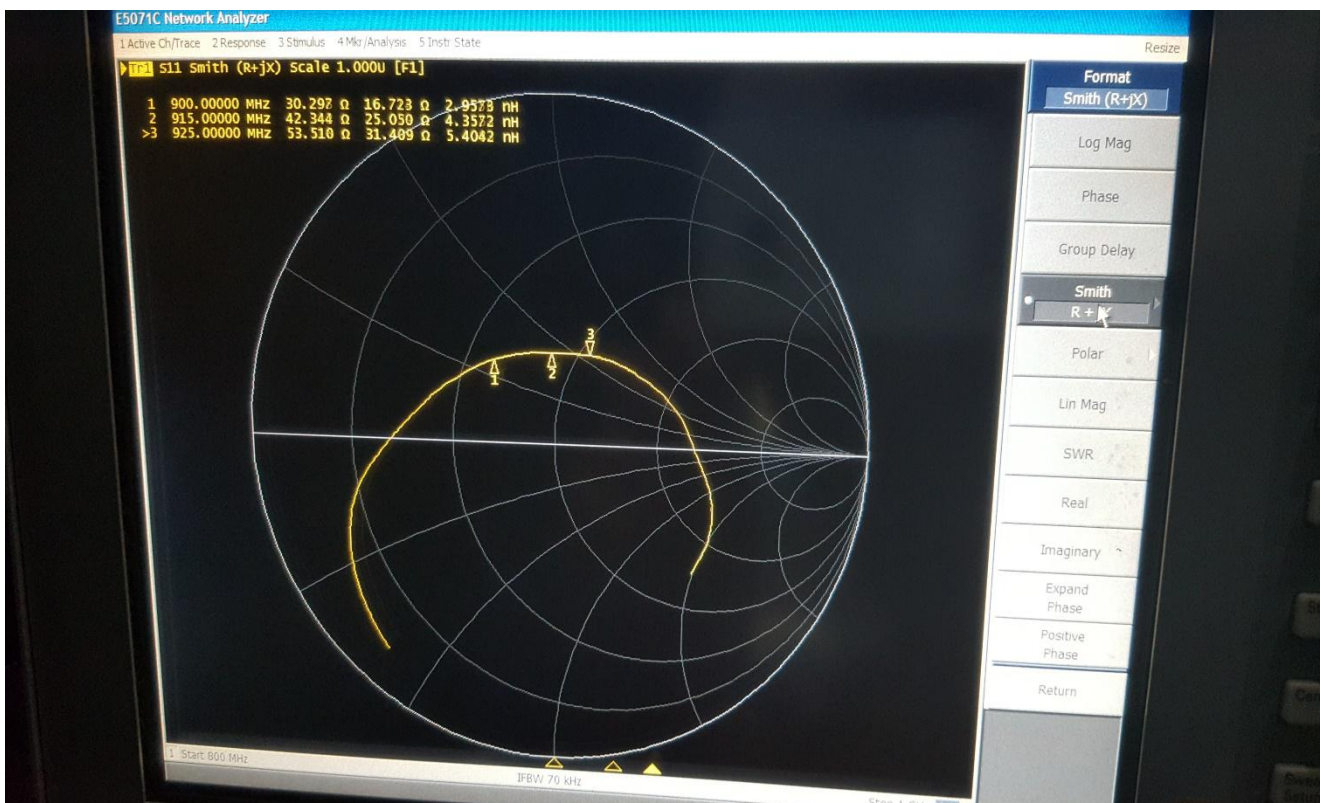


Frequency (MHz)	Gain(dBi)	Efficiency (%)
905MHz	2.1	12%
915MHz	2.3	13%
925MHz	2.4	14%

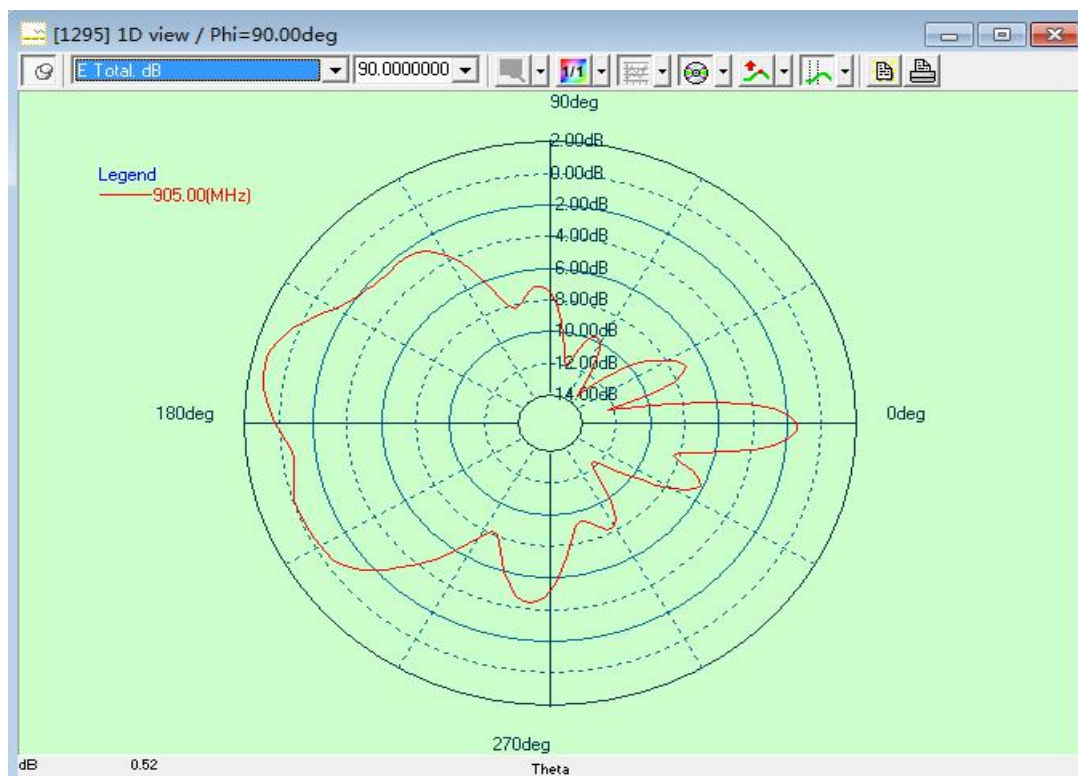
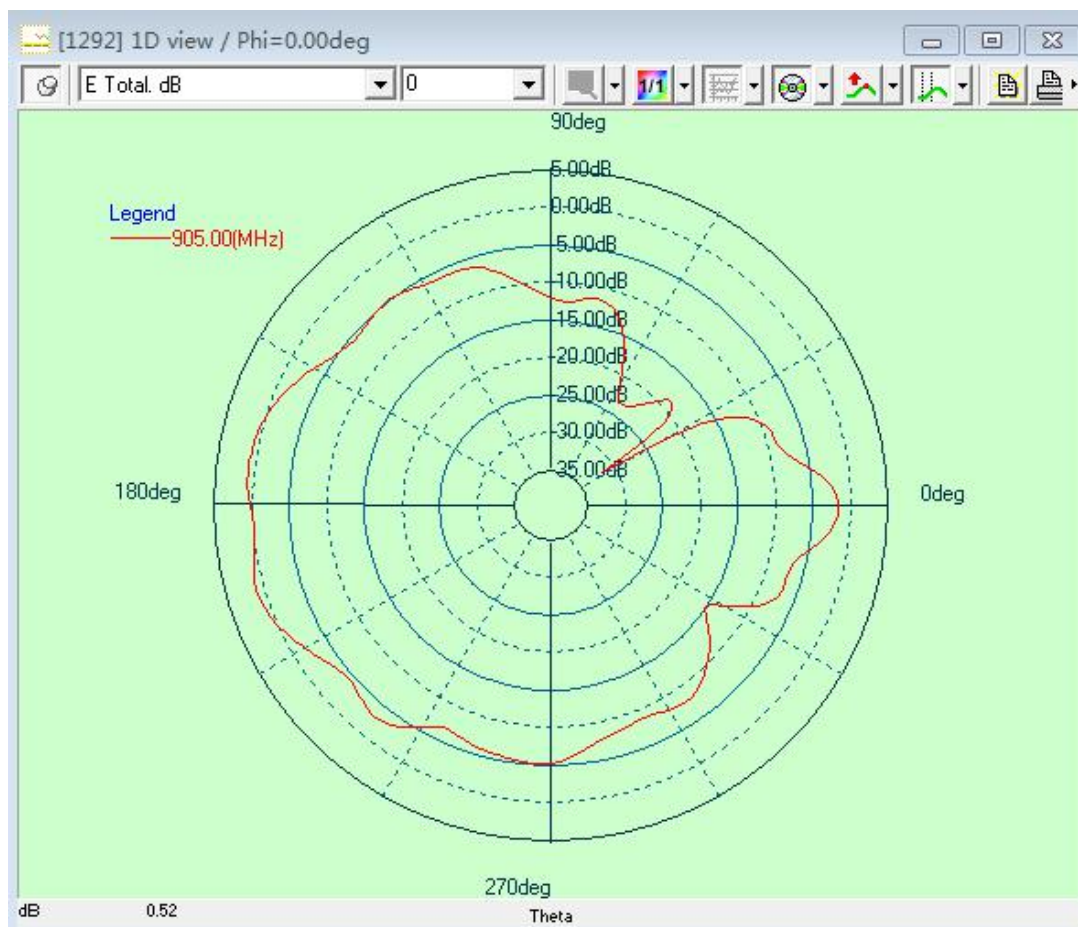
■ VSWR Chart

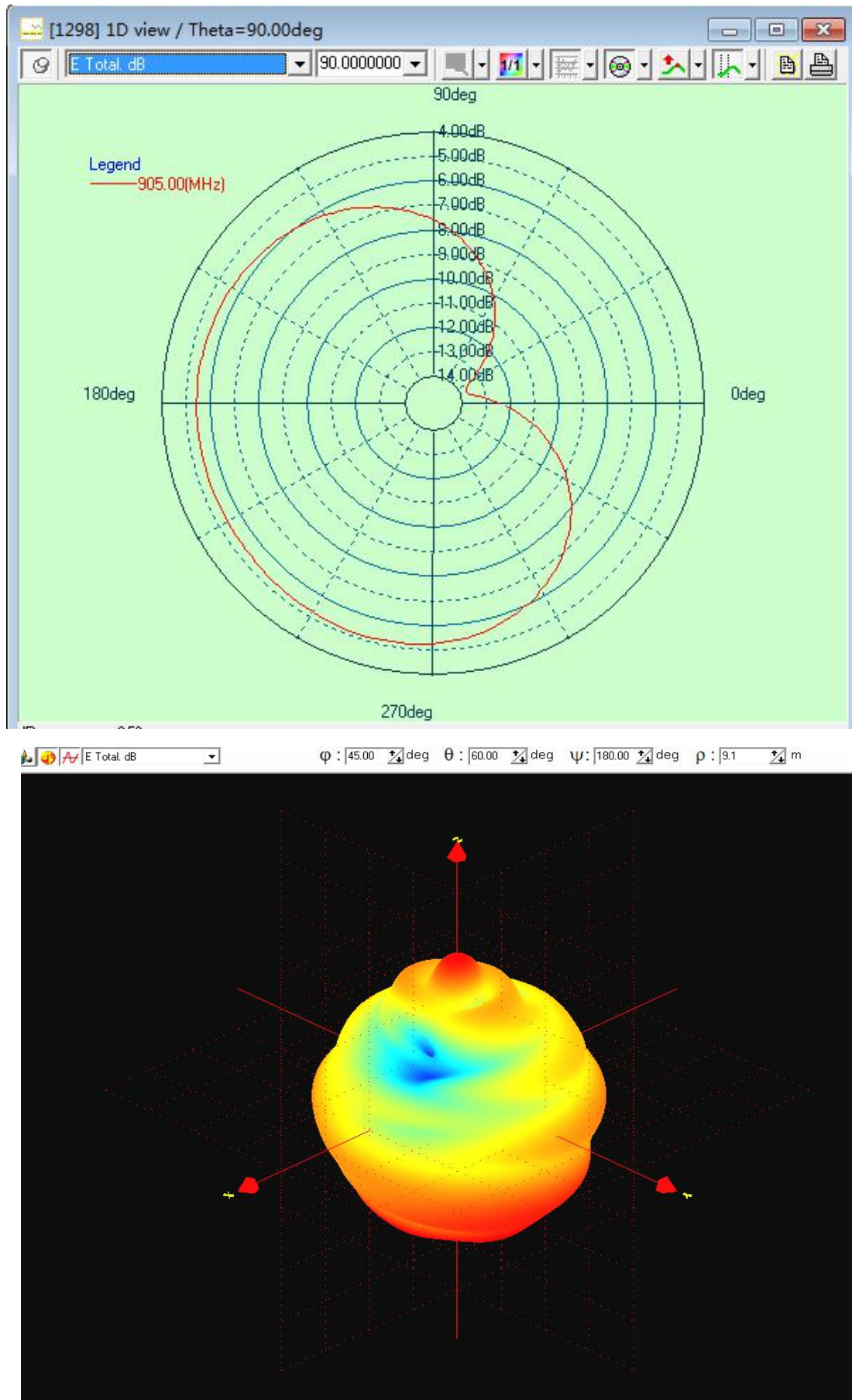


■ Smith Chart

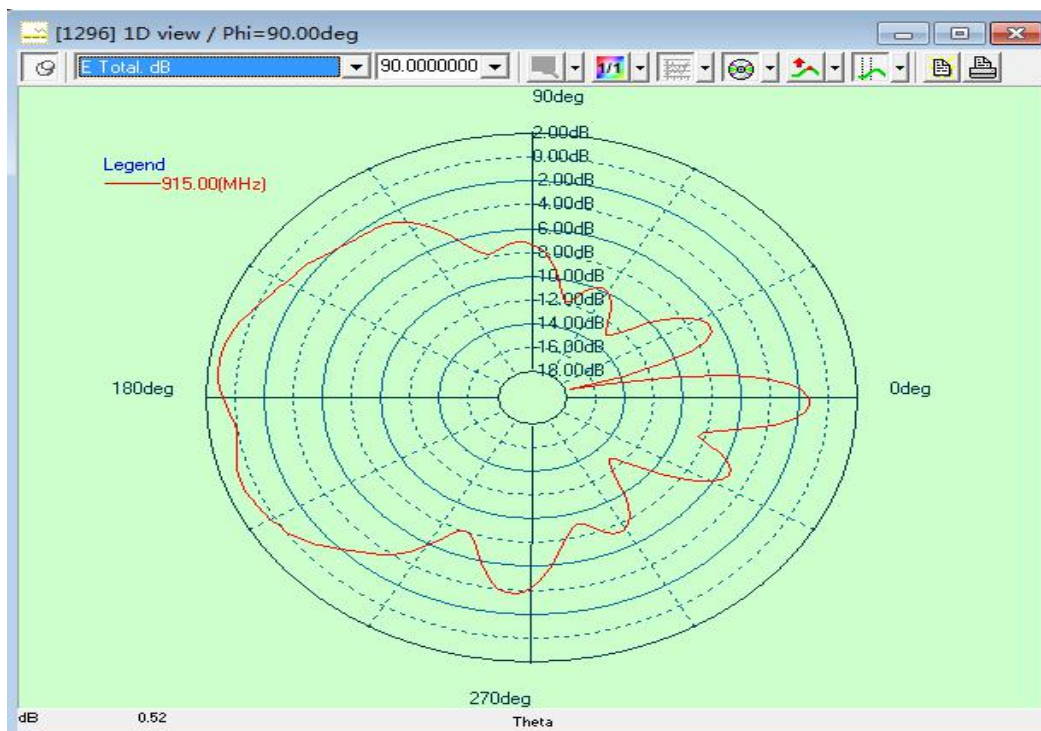
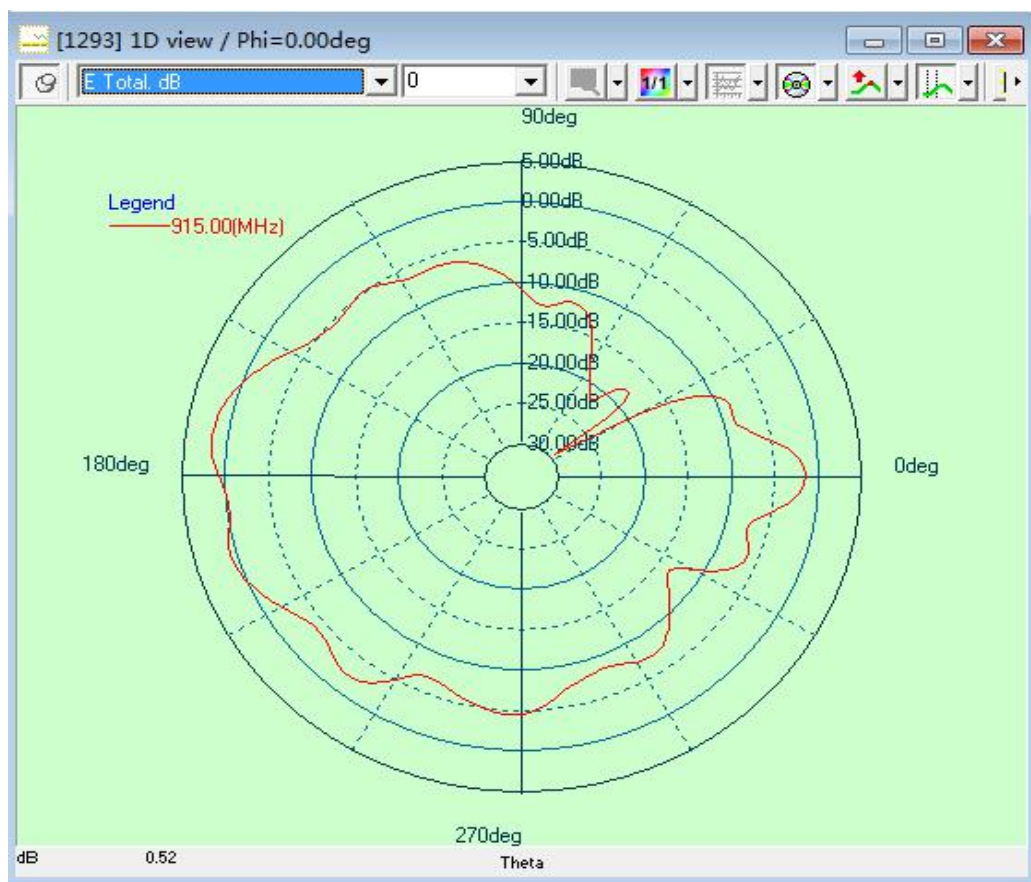


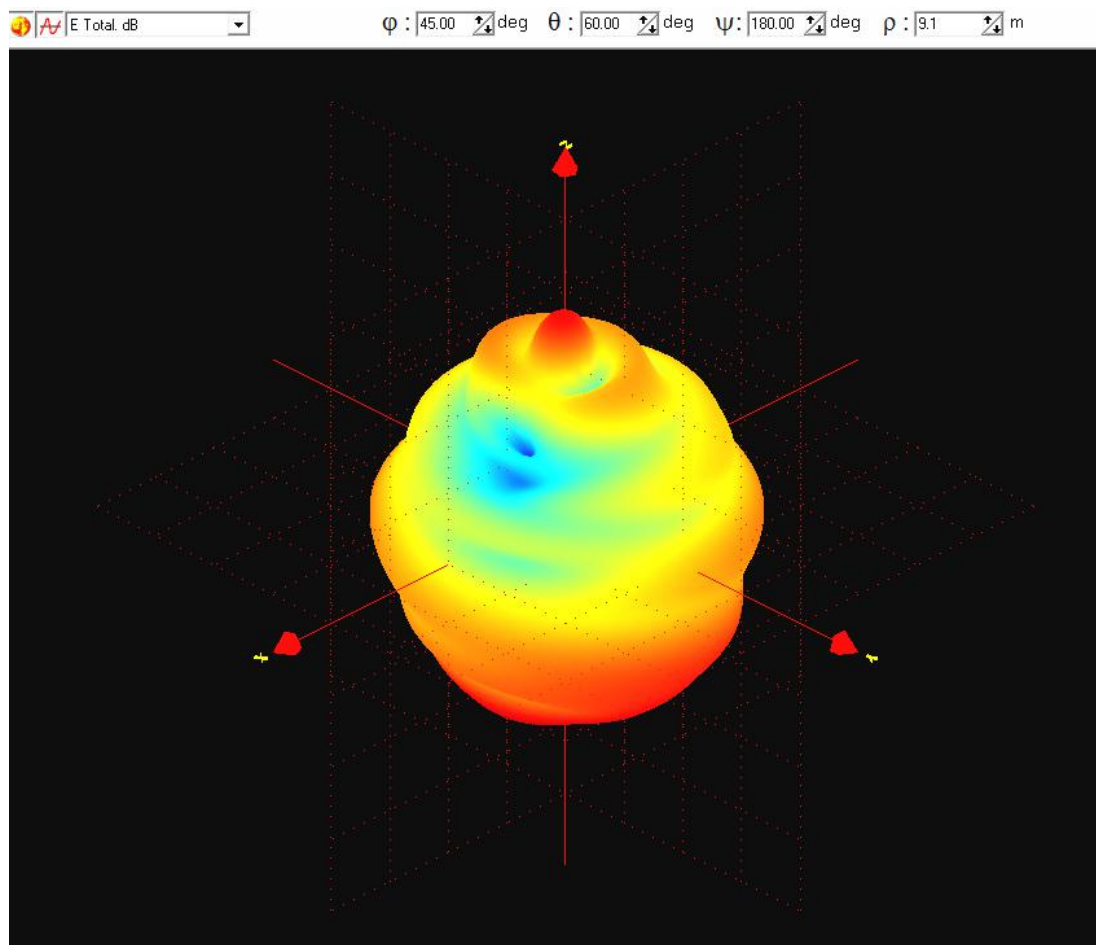
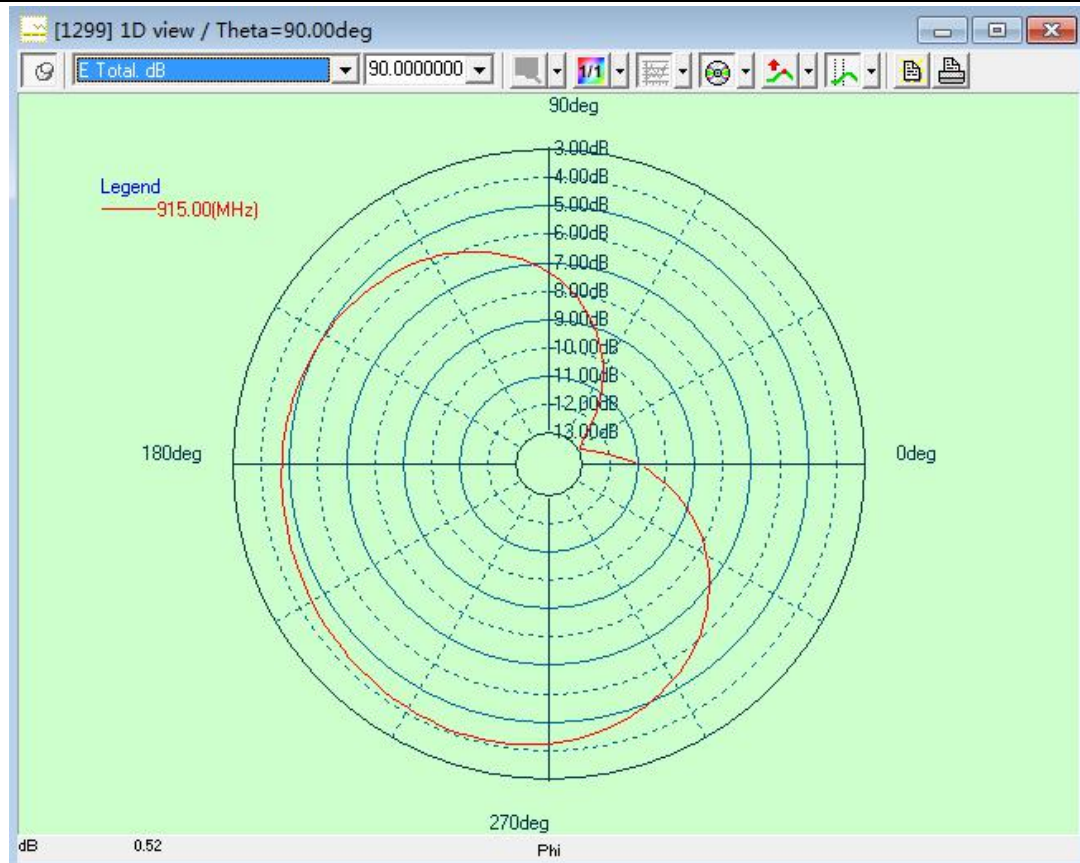
■ 2D&3D Pattern Plots of Passive (@905MHz)





■ 2D&3D Pattern Plots of Passive (@915MHz)





2D&3D Pattern Plots of Passive (@925MHz)

