

915MHz Straight Rod Antenna

Product Specification



Catalogue

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Note: Revision History

Revision	Date	Comment
V1.0	2014-07	First release
V2.0	2016-06	Typesetting, measurements revised
V2.1	2017-06	Logo updated
V2.2	2018-8	Increase test datas
V3.0	2022-5	Size updated

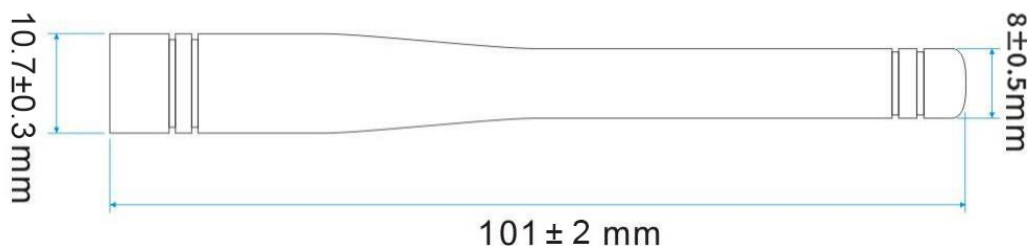
1. Description

SW915-ZT100, a straight 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 MHz
- VSWR: ≤ 2.0
- Gain: -2.9 dBi
- Input impedance: $50\ \Omega$
- Max power: 10 W
- Polarization: vertical polarization
- Height: 101 ± 2 mm
- Interface form: RP-SMA(build-in)
- Lead wire: none
- Antenna Color: black
- Weight: 10 g

3. Size



4. Test Datas

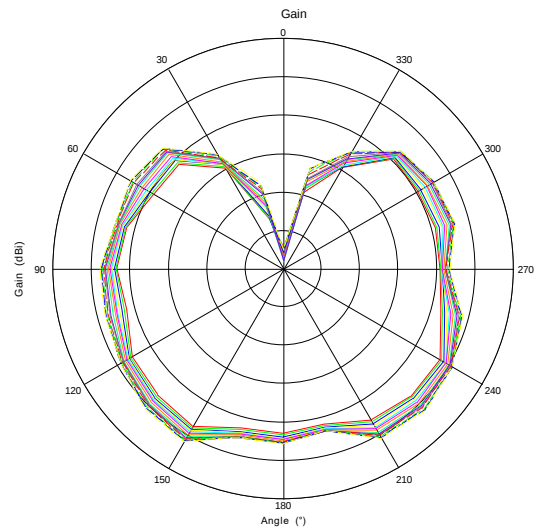
Frequency(MHz)	Gain(dBi)
902	-5.34
904	-5.09
906	-4.79
908	-4.55
910	-4.37
912	-4.20
914	-3.98
916	-3.71
918	-3.49
920	-3.36
922	-3.22
924	-3.10
926	-2.99

928

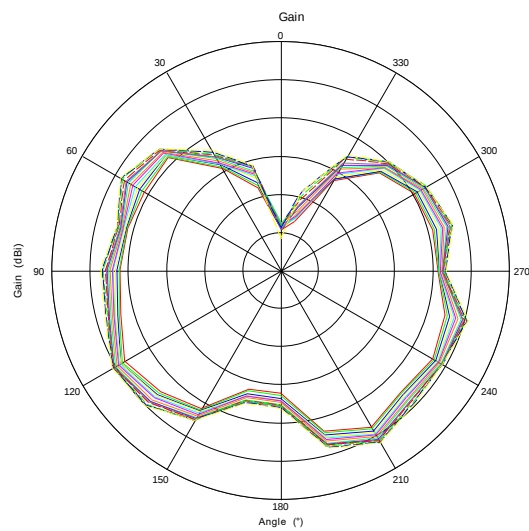
-2.90

■ 2D&3D Pattern Plots of Passive

Max: 0
Min: -30
Scale: 5/div

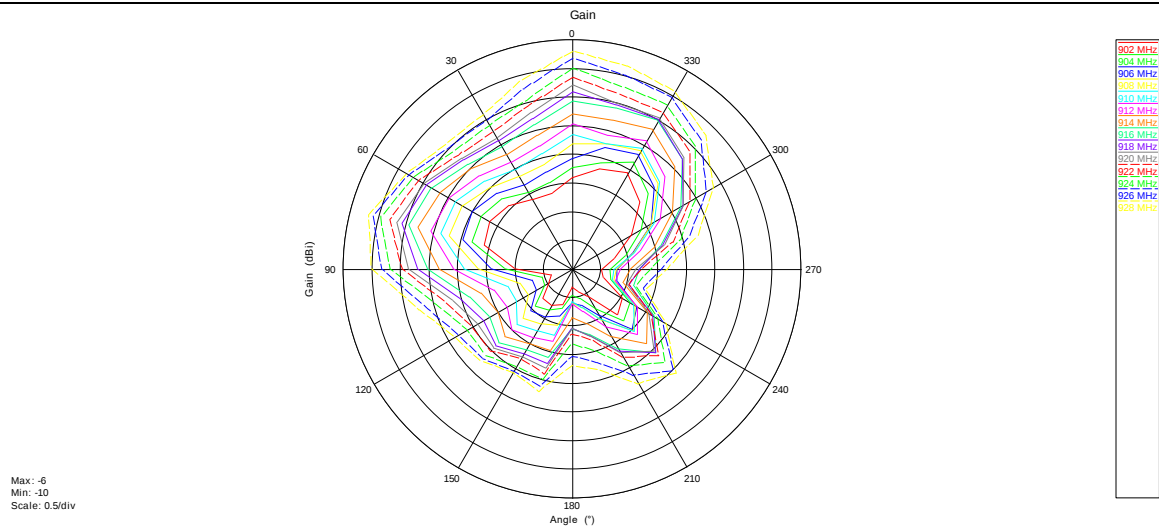
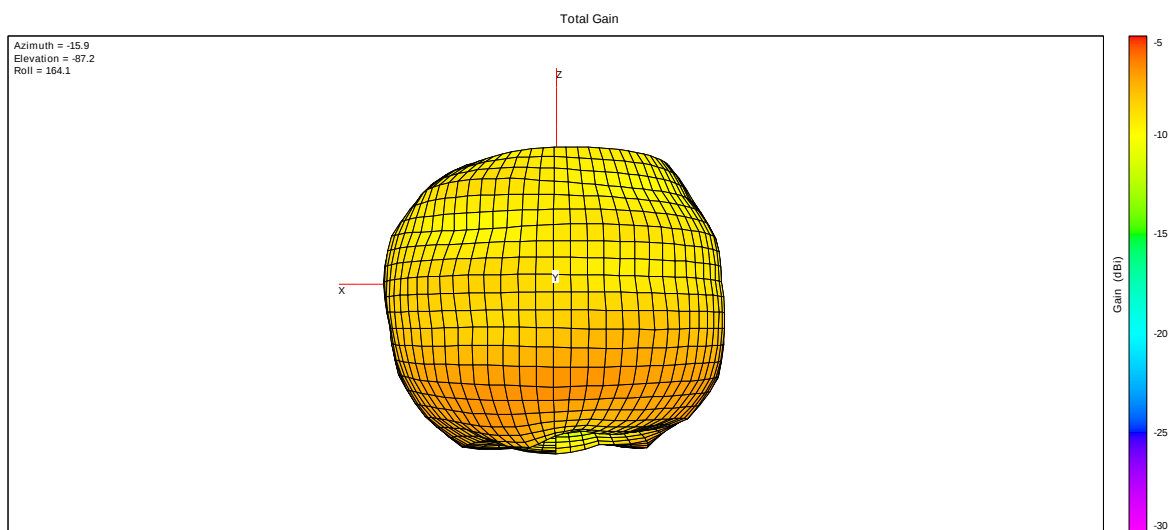
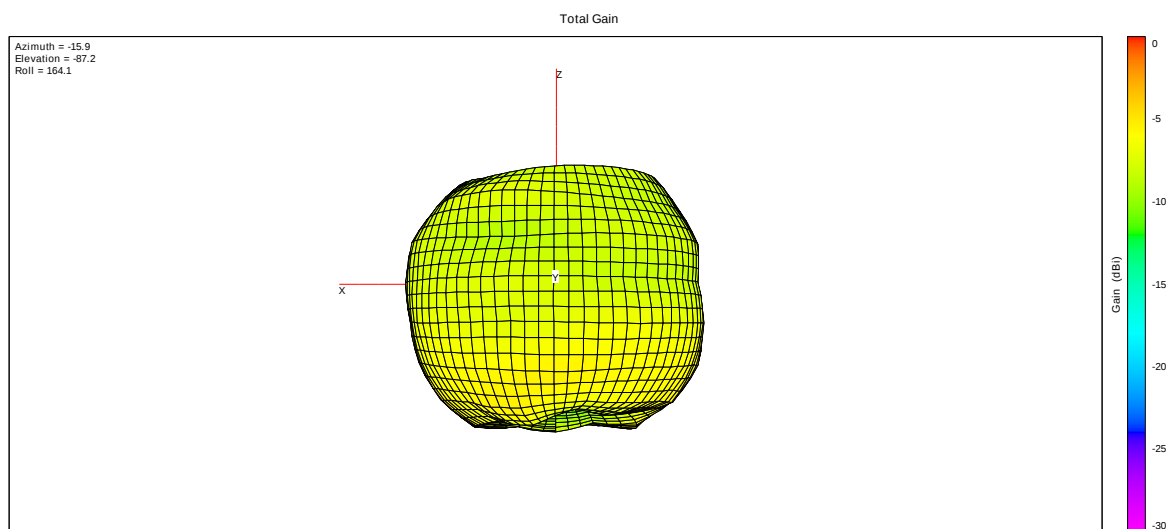
 $\Phi = 0^\circ$

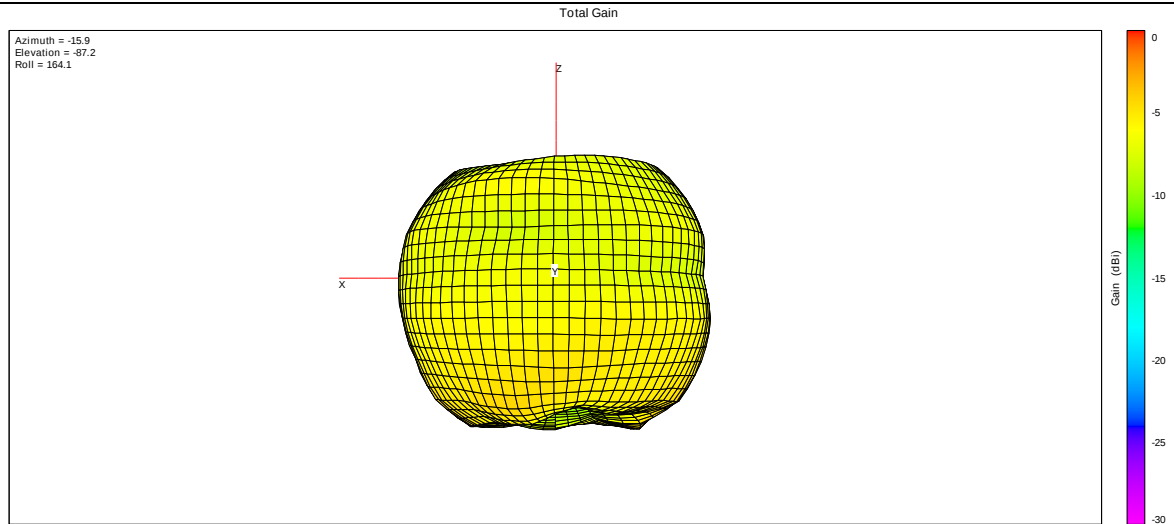
Max: 0
Min: -30
Scale: 5/div

 $\Phi = 90^\circ$

902 MHz
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906 MHz
908 MHz
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928 MHz

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**Theta=90°****902MHz****914MHz**

**928MHz**