

# UHF RFID Antenna



ARRKP7059-S915B

70.0 x 70.0 x 5.9mm  
RoHS/RoHS II Compliant  
MSL = 1

## FEATURES

- 902 ~ 928 MHz frequency range
- Gain of 4 dBi
- VSWR  $\leq$  2.0
- Easy to install
- RF Cable and Connector
- RoHS Compliant

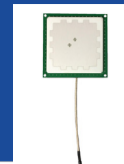
## APPLICATIONS

- Industrial automation
- Smart Cards
- Asset Management
- Manufacturing
- Field Mobility
- Transportation

## ELECTRICAL SPECIFICATIONS

Parameters	Min	Typ.	Max.	Units	Note
Center Frequency		915		MHz	
Frequency range	902		928	MHz	
V.S.W.R			2.0		
Bandwidth @-10dB	20			MHz	
Impedence		50		$\Omega$	
Gain (@ Zenith		3.5		dBi	Based on 70×70mm ground plane
Polarization		RHCP			
Axial Ratio	3			dB	
Operating Temperature	-40		+85	°C	10% ~ 95% RH
Storage Temperature	-45		+85	°C	10% ~ 95% RH

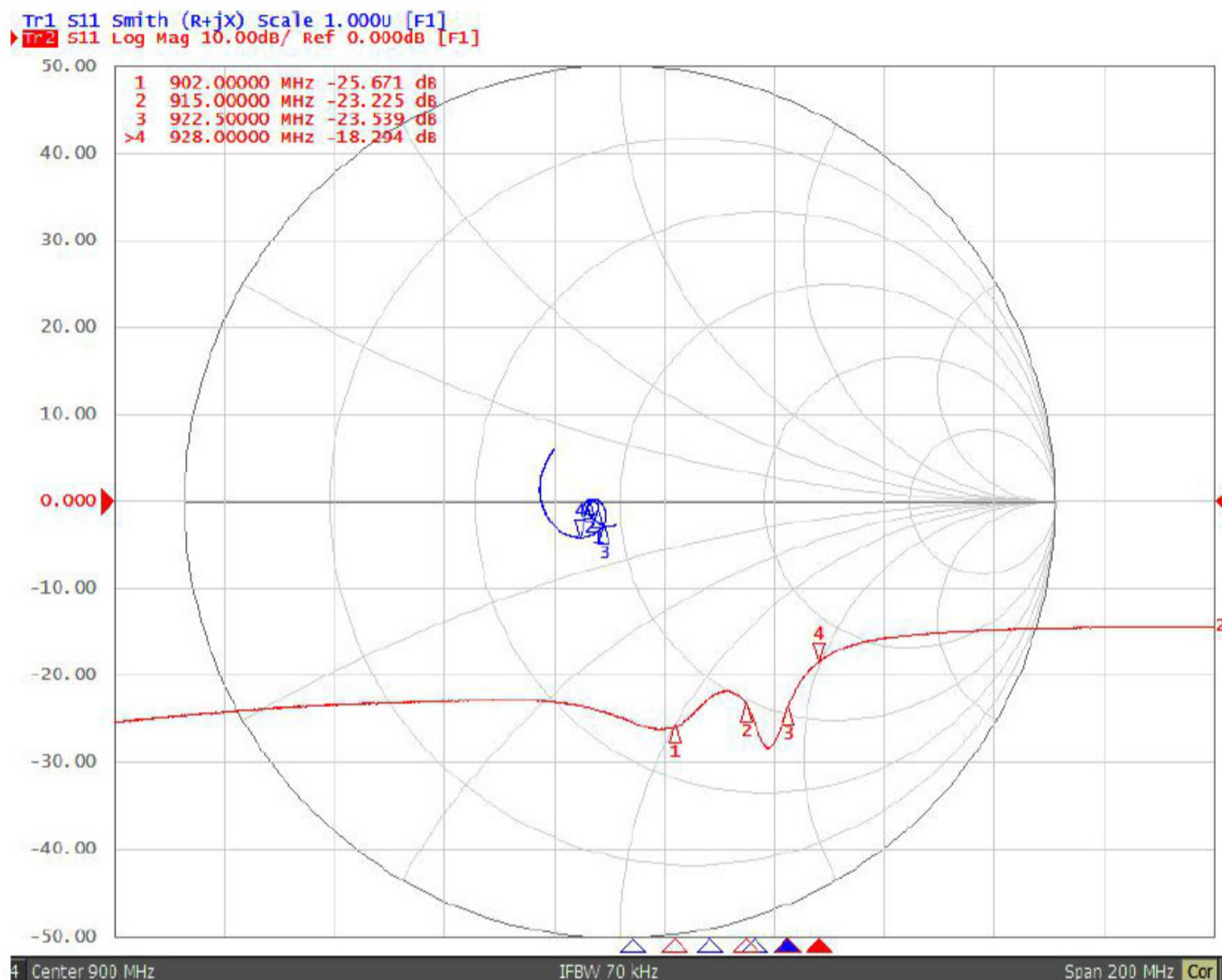
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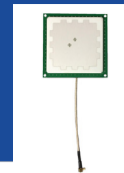
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## SMITH CHART



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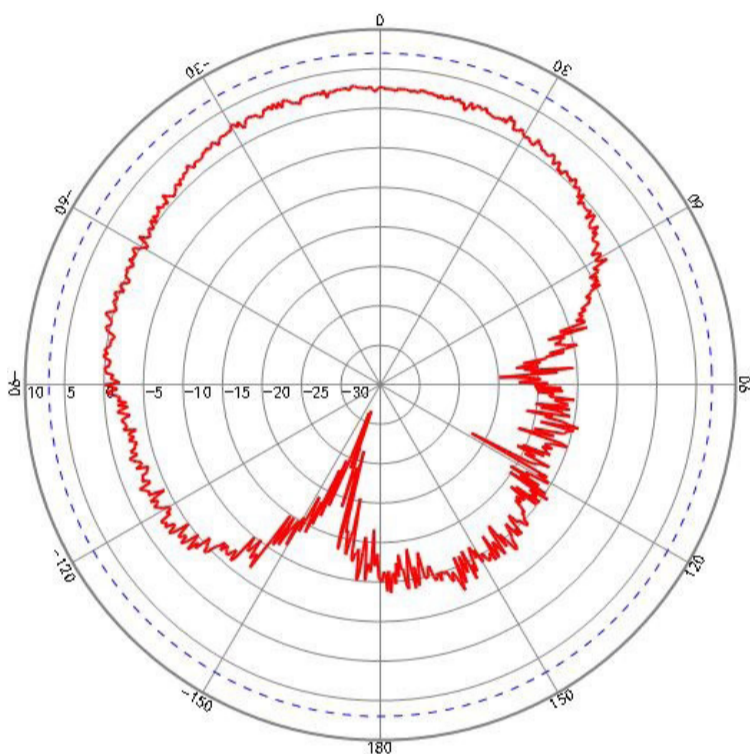
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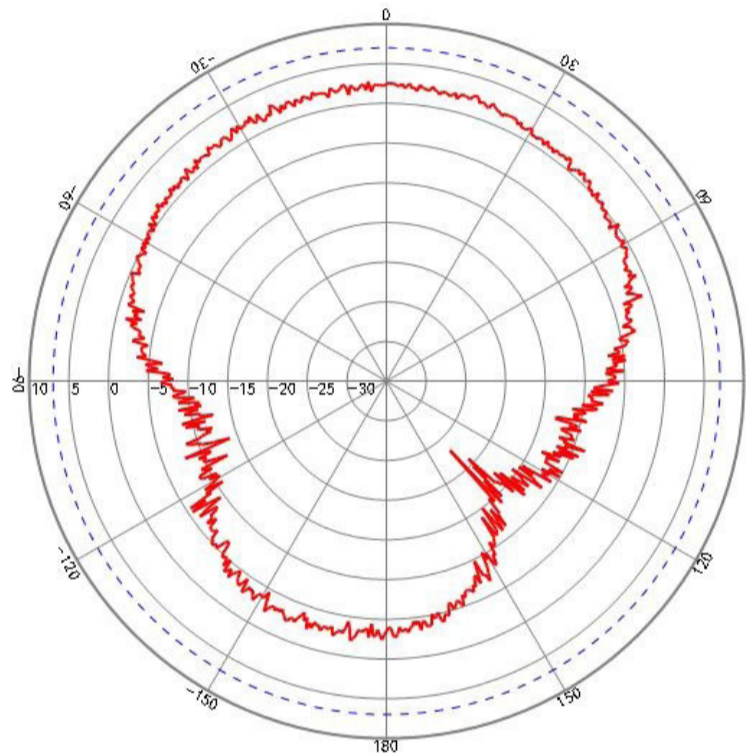
## RADIATION PATTERNS

Plane	XZ	YZ	XY
Measurement Angle (deg)	94.37	110.06	0 - 360
Gain (dBi)	3.10	2.80	3.20

XZ Plane



YZ Plane



XY Plane

