

*Dual Circular Polarized Horn Antenna 15dBi Typ. Gain, 18-26.5 GHz Frequency Range*

## Dual Circular Polarized Horn Antenna Data

**RM-DCPHA1826-15**

### Features

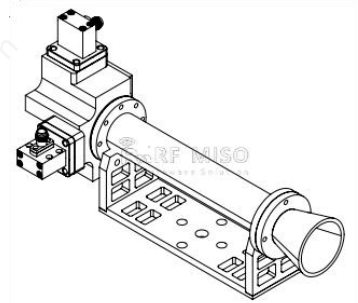
- Low VSWR
- High Gain
- Dual circular
- Military Airborne Applications

### Descriptions

RF MISO's Model RM-DCPHA1826-15 is dual circular polarized horn antenna that operates from 18 to 26.5GHz. The antenna offers a typical gain of 15 dBi and low VSWR 1.2 Typ. The antenna is equipped with a circular polarizer, a circular waveguide to circular waveguide Converter and a conical horn antenna. Antennas are widely used in antenna far-field testing, radio frequency radiation testing and other scenarios.

### Specifications

RM-DCPHA1826-15		
Parameters	Specification	Unit
Frequency Range	18-26.5	GHz
Gain	15 Typ.	dBi
VSWR	<1.5	
AR	<1.5	dB
Cross Polarization	25 Typ.	dB
Port Isolation	30 Typ.	dB
3dB Beamwidth	28 Typ.@RHCP 37 Typ.@LHCP	
Polarization	Dual Circular	
Interface	SMA-Female	
Material,Finishing	Al, Paint	W
Average/Peak Power	50/100	W
Size (L*W*H)	183.5*77.1*92.7 (±5)	mm
Weight	0.284	kg



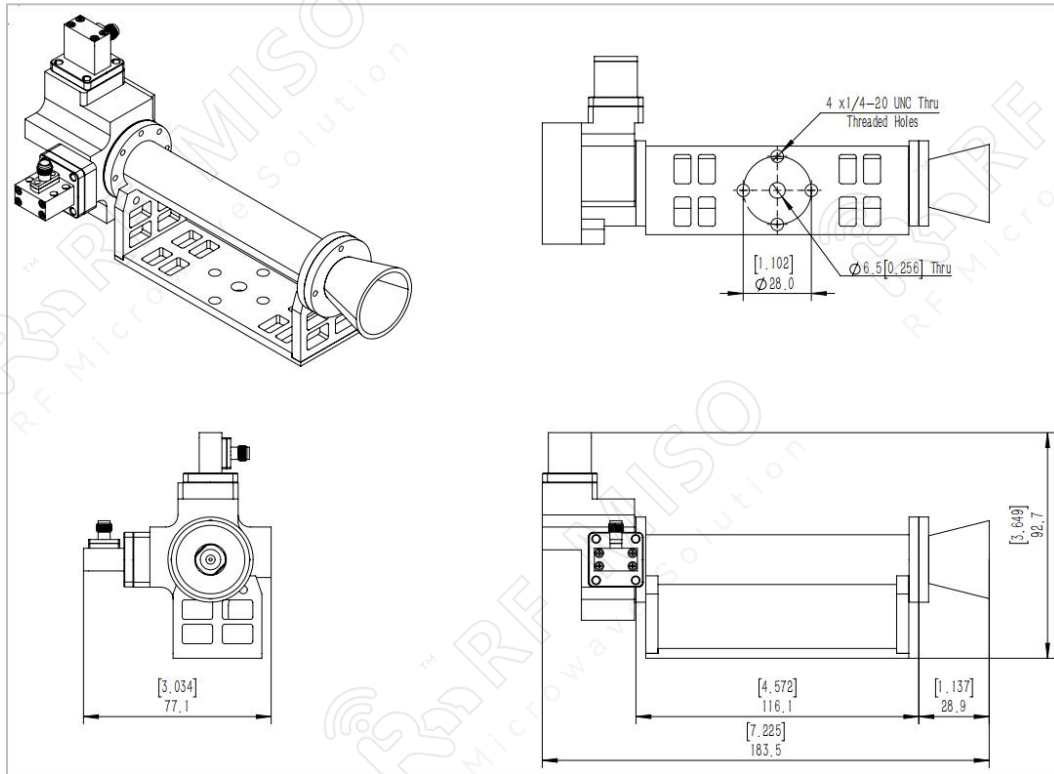
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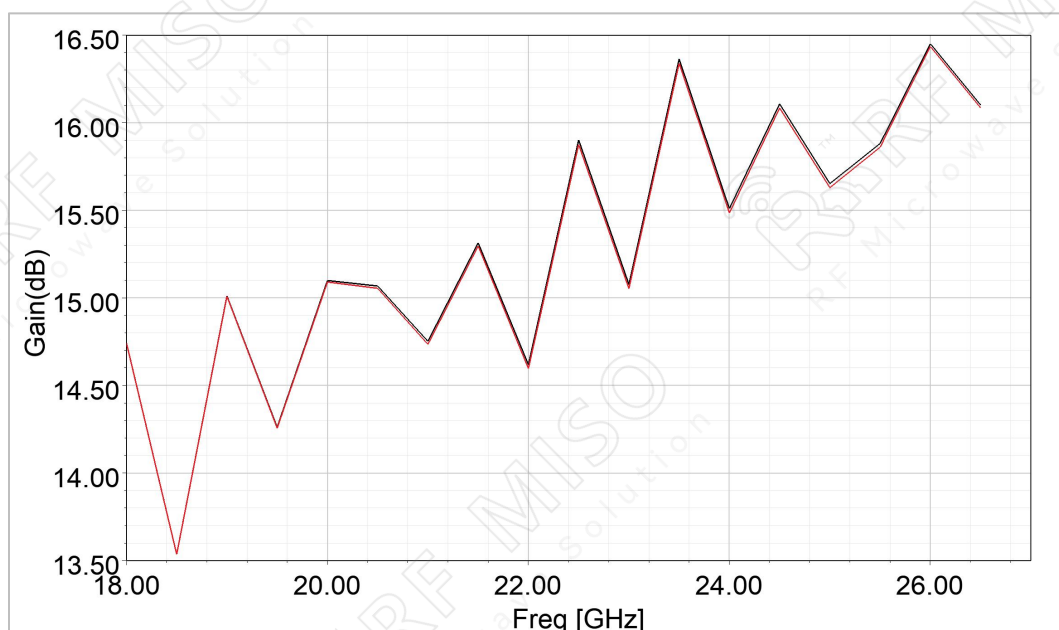
### Outline Drawing

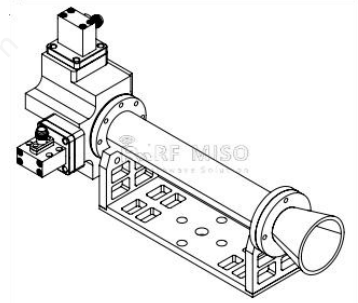
N type connector is available, please contact RF Miso.



### Simulation

#### Gain



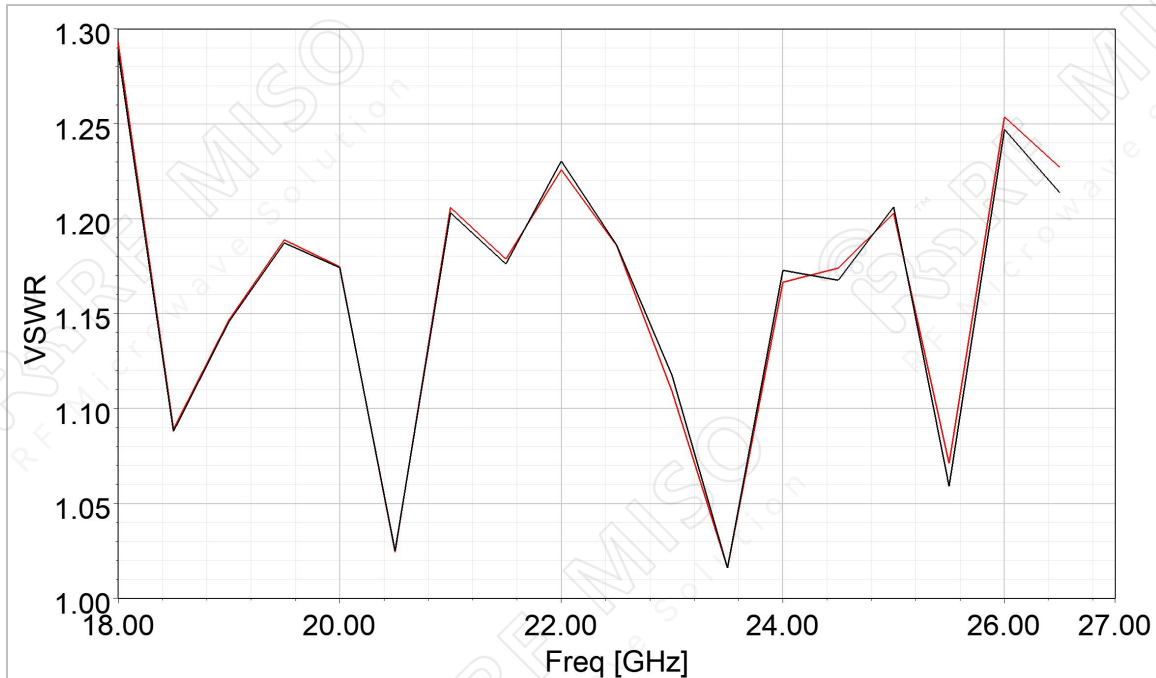


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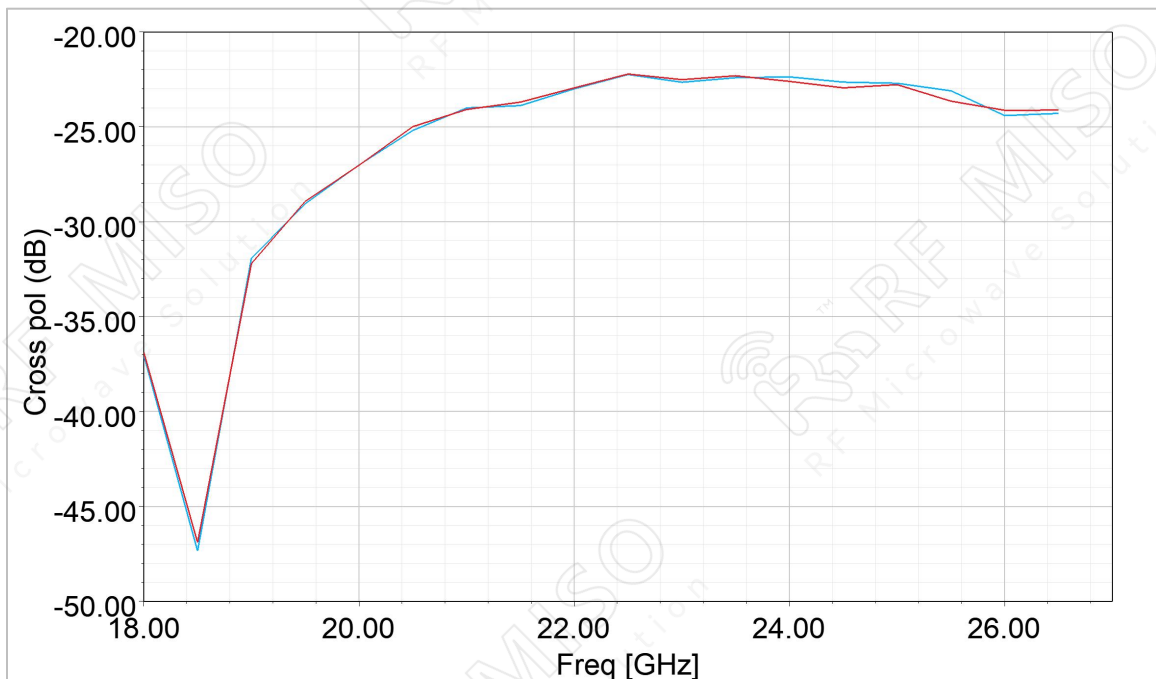
**Dual Circular Polarized Horn Antenna Data**

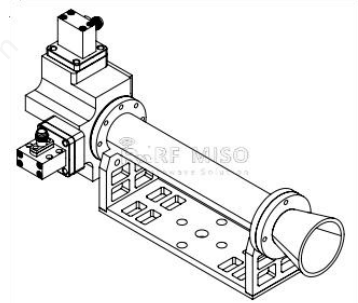
**RM-DCPHA1826-15**

VSWR



Cross Polarization



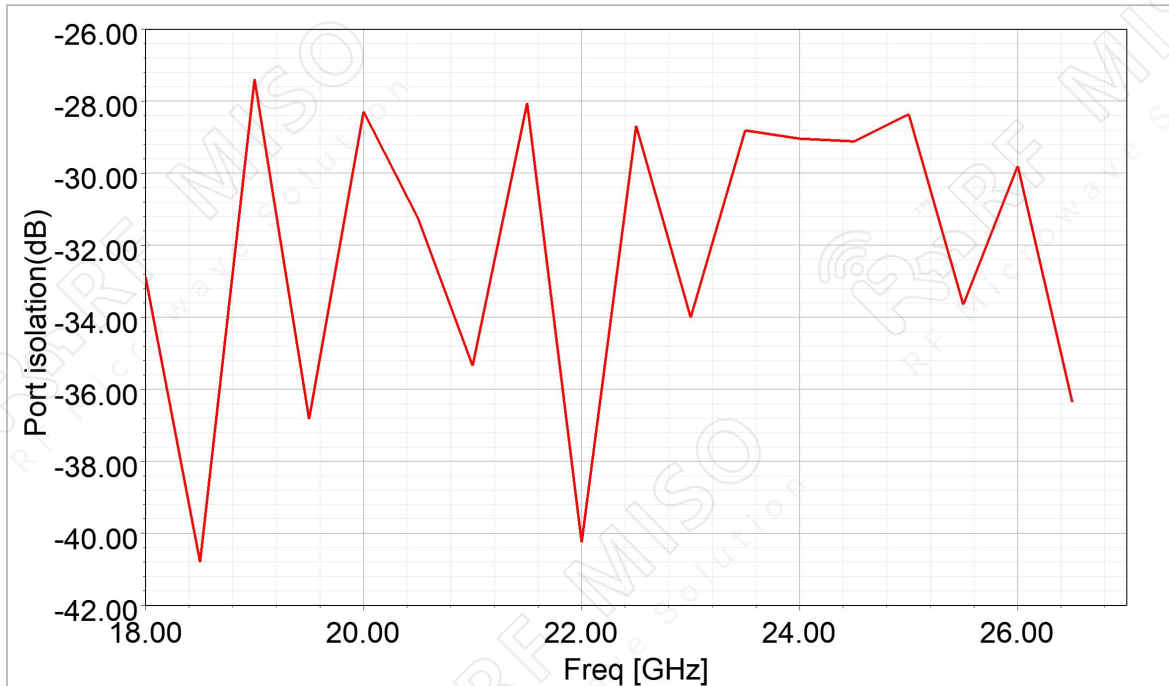


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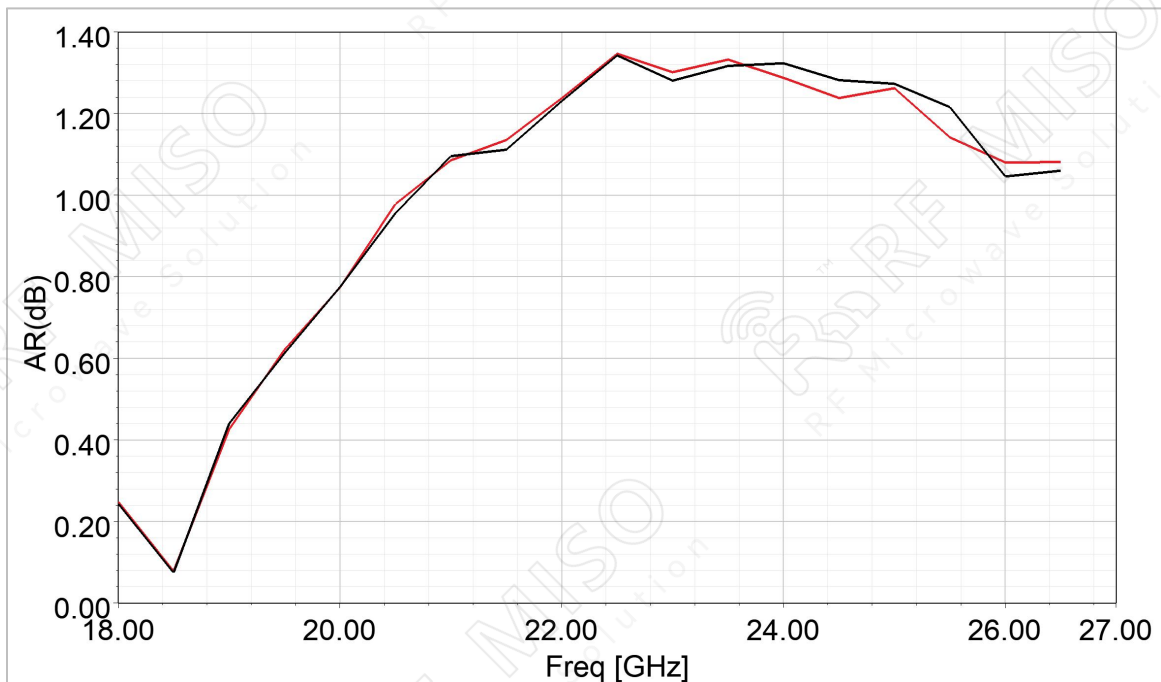
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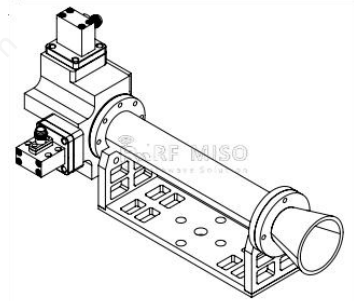
**RM-DCPHA1826-15**

Port Isolation



AR





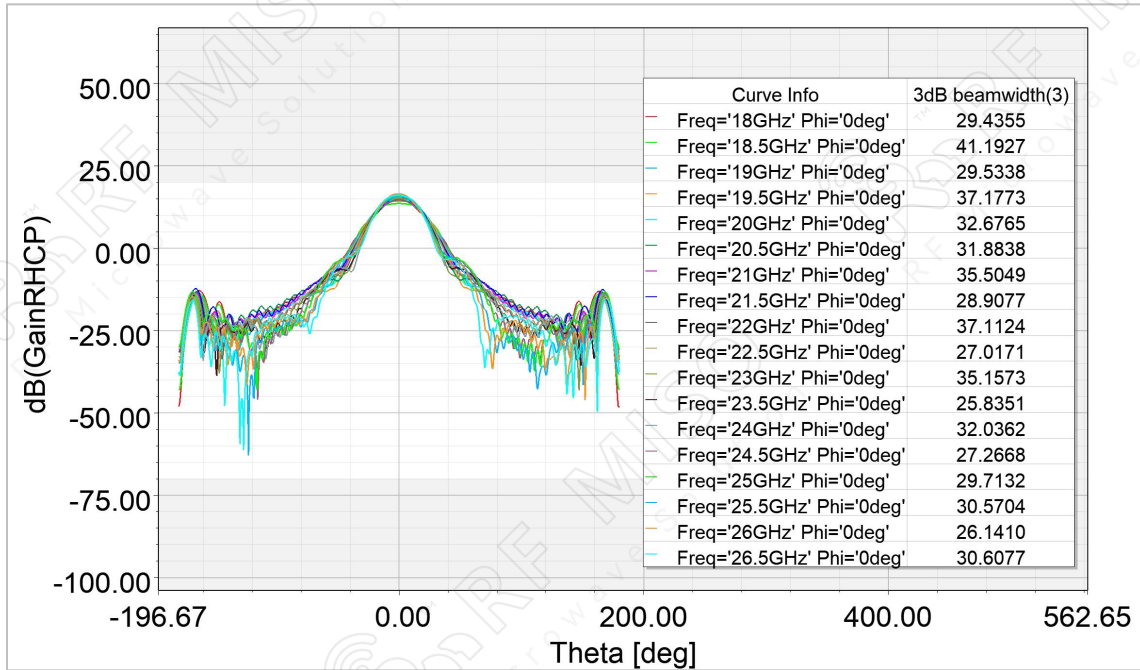
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Dual Circular Polarized Horn Antenna Data

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3dB

RCHP



LCHP

