



*Conical Dual Polarized Horn Antenna  
10 dBi Typ. Gain, 4-40 GHz Frequency Range*

## Conical Dual Polarized Horn Antenna Data Sheet

**RM-CDPHA440-10**

### Features

- Coaxial Adapter for RF Inputs
- Low VSWR
- High Isolation
- Broadband Operation
- Dual Linear Polarized
- Small Size

### Descriptions

RF MISO's **Model RM-CDPHA440-10** is a dual polarized horn antenna that operates from 4 to 40 GHz, The antenna offers 10dBi typical gain. The antenna VSWR is 1.5:1 typical. The antenna can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

### Specifications

RM-CDPHA440-10		
Parameters	Typical	Units
Frequency Range	4-40	GHz
Gain	10 Typ.	dBi
VSWR	1.5 Typ.	
Polarization	Dual Linear	
Cross Pol. Isolation	>30 Typ.	dB
Port Isolation(S21)	30 Typ.	dB
Connector	/	
Finishing	Paint	
Size	Φ66mm*125mm	mm
Weight	/	kg



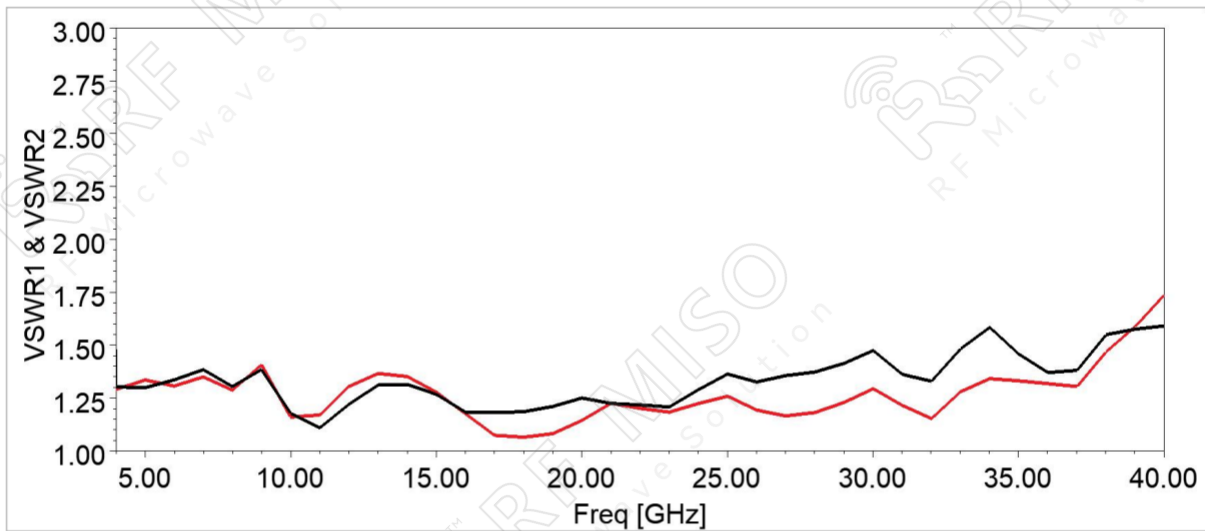
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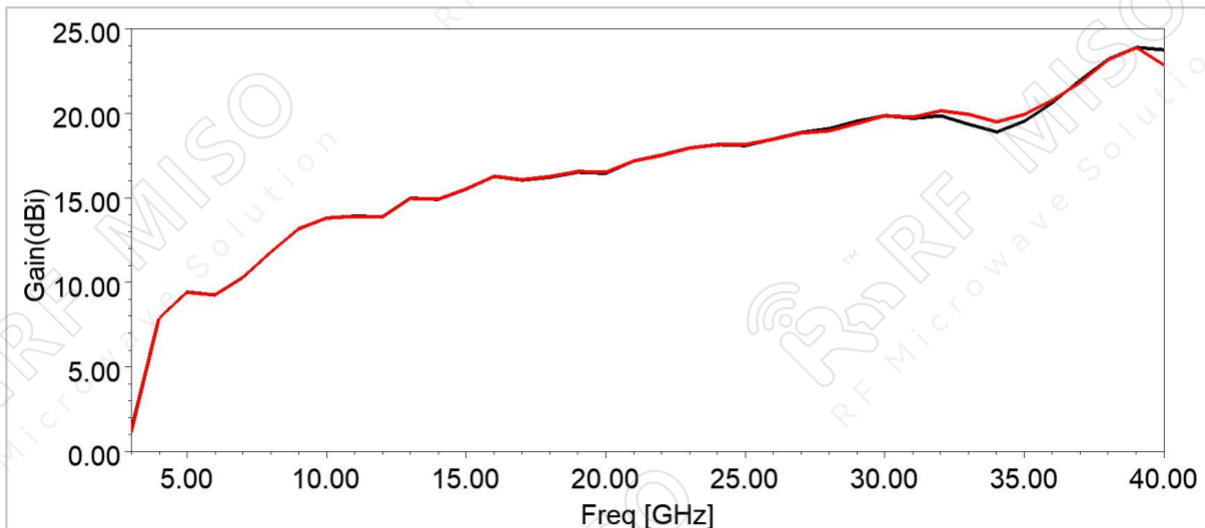
**RM-CDPHA440-10**

**Simulation results**

**VSWR**



**Gain**



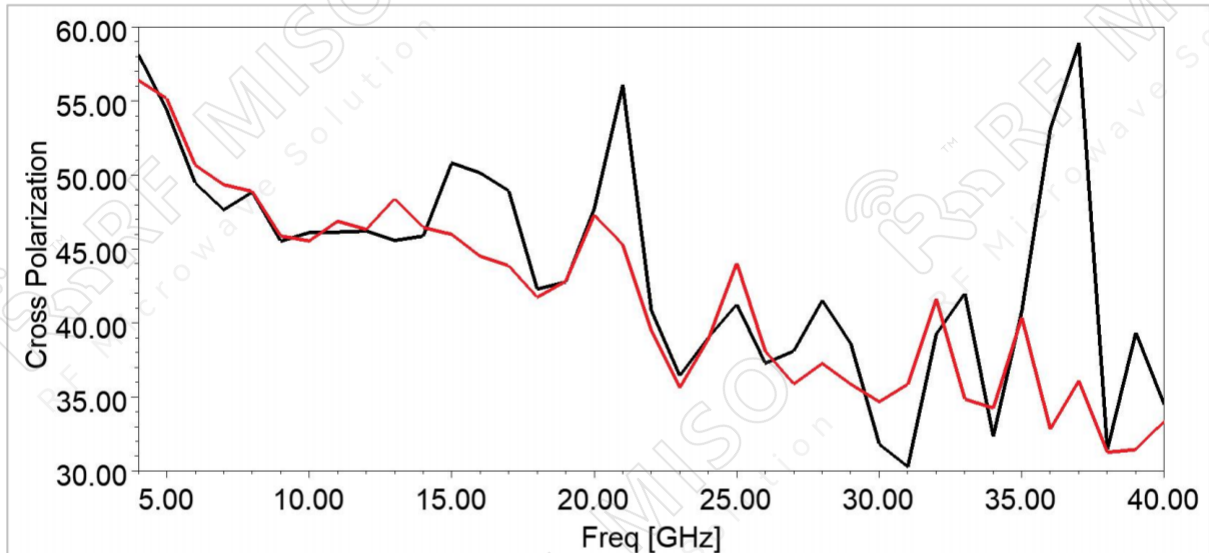


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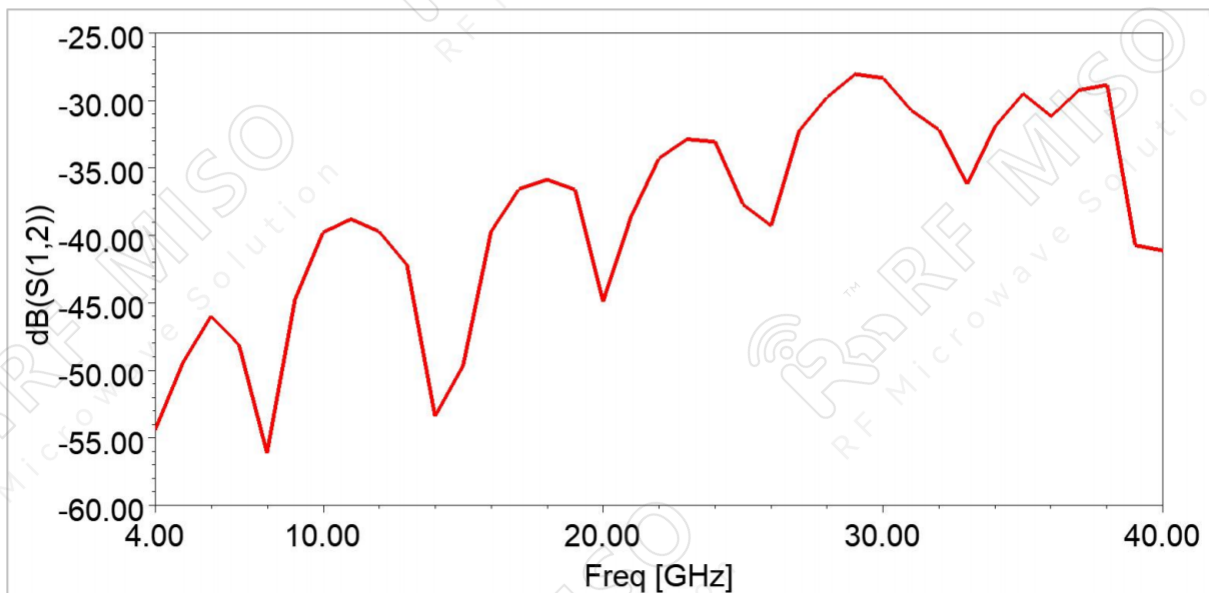
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**Cross Polarization**



**Port Isolation**



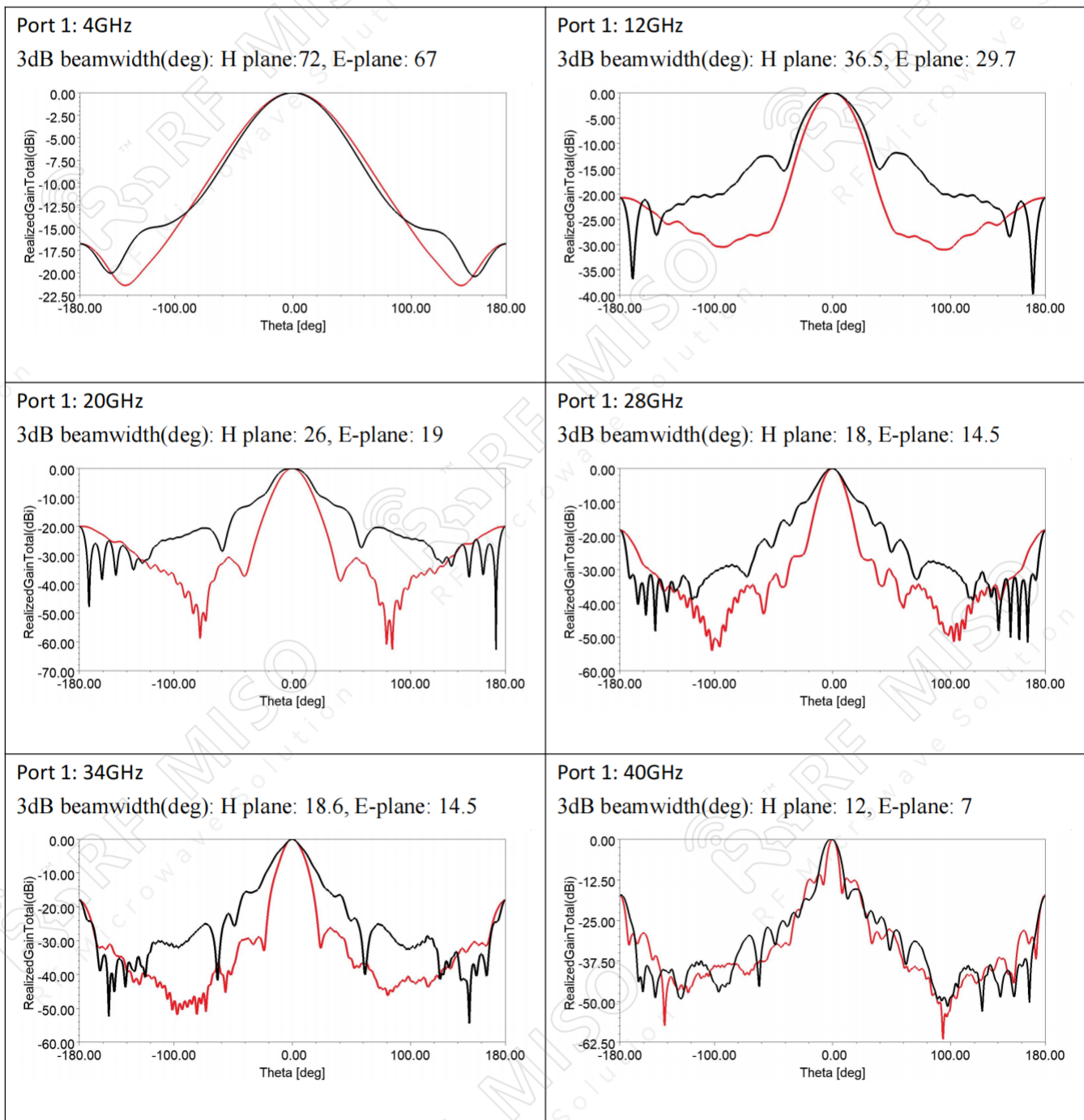


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**Gain Patterns**





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