



*Conical Dual Polarized Horn Antenna
18 dBi Typ. Gain, 42-44 GHz Frequency Range*

Dual Polarized Horn Antenna Data Sheet

RM-CDPHA4244-18

Features

- Coaxial Adapter for RF Inputs
- High Gain
- Dual Linear Polarized
- Small Size

Descriptions

RF MISO's **Model RM-CDPHA4244-18** is a dual polarized horn antenna that operates from 42 to 44GHz, The antenna offers 18 dBi typical gain. The antenna VSWR is typical 1.5:1. The antenna RF ports are 2.4-KFD Female connector. It can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Specifiaions

RM-CDPHA4244-18		
Parameters	Typical	Units
Frequency Range	42-44	GHz
Gain	18 Typ.	dBi
VSWR	1.5 Typ.	
Polarization	Dual Linear	
Port Isolation	30	dB
Reflection Loss	≥15	dB
Connector	2.4-KFD	
Material	Cu	
Finishing	Glod Plasted	
Size	66.5*34.8*34.8(L*W*H)	mm
Weight	0.0042	kg

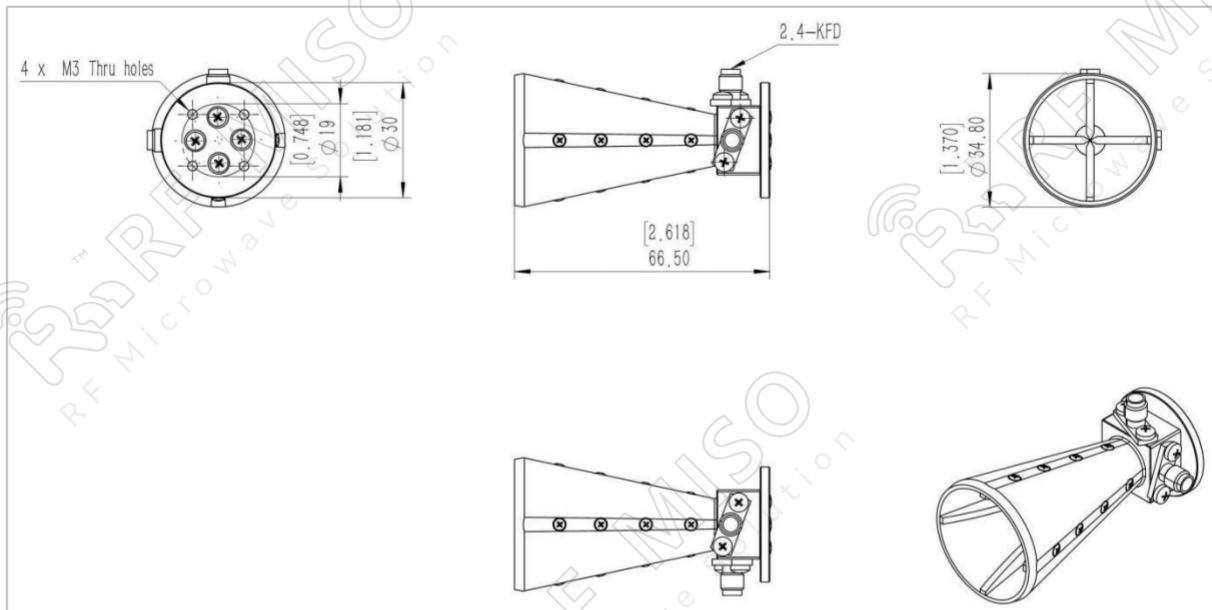


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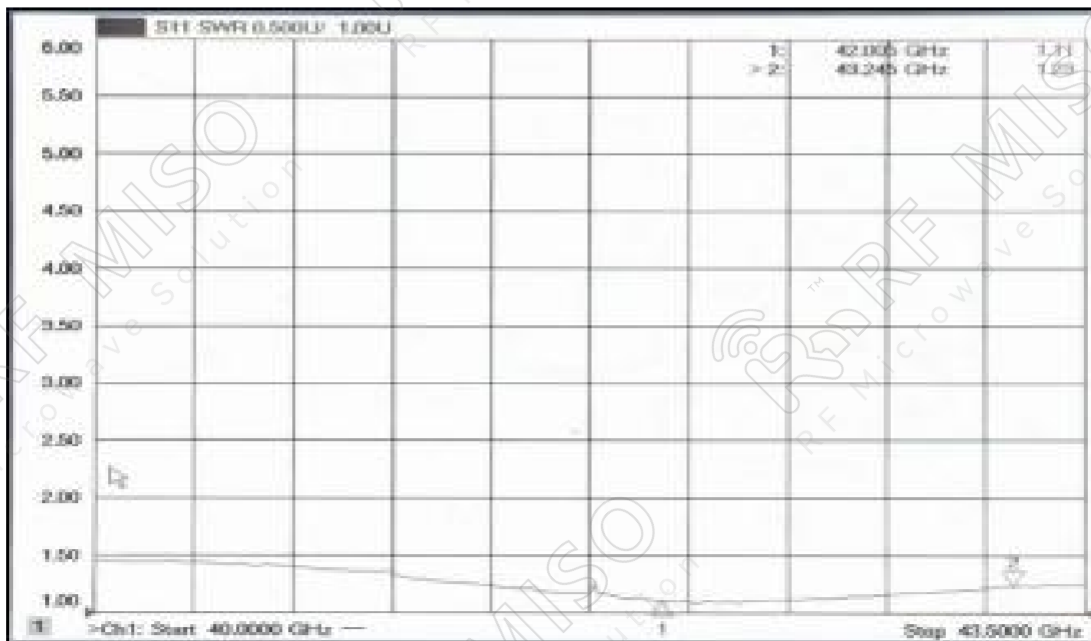
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Outline Drawing



Test Results

Port 1 VSWR



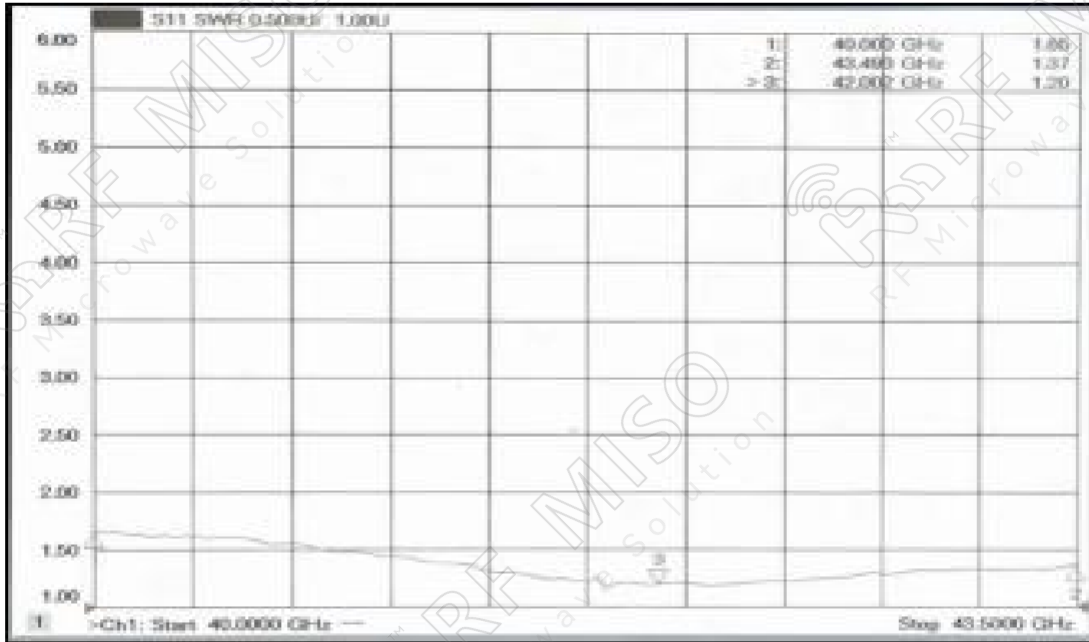


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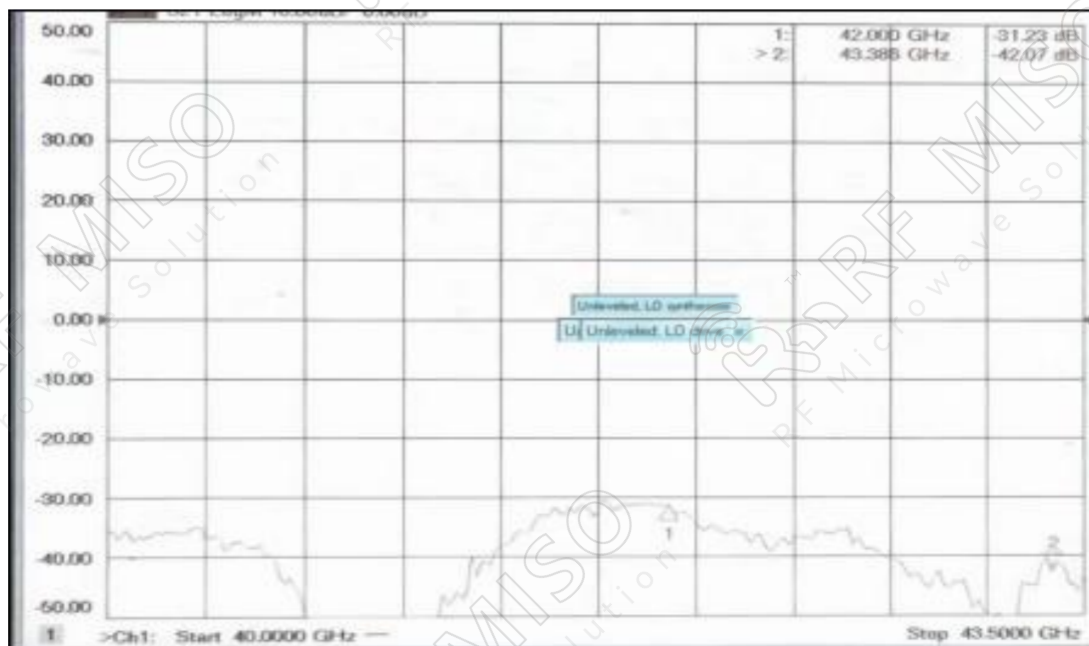
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Port 2 VSWR



Port Isolation

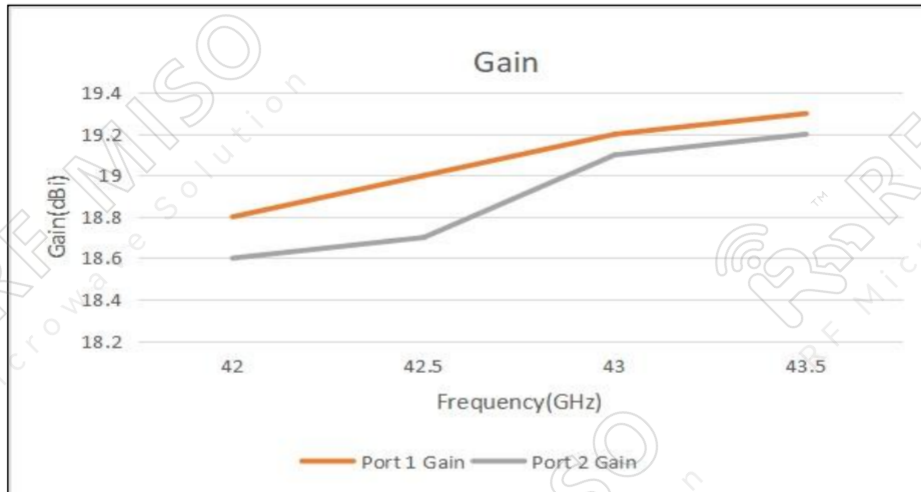




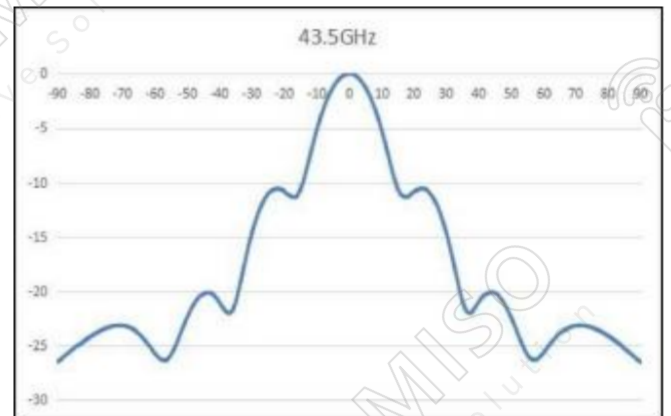
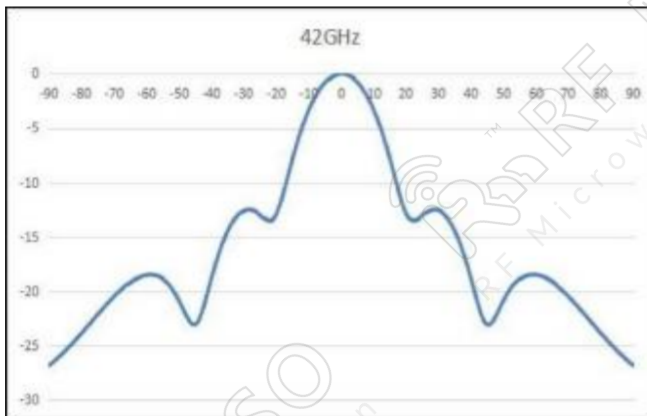
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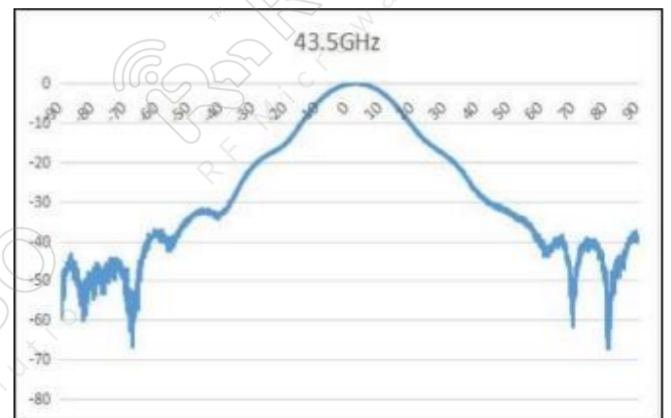
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Port 1 Gain Pattern E-plane



Port 1 Gain Pattern H-plane



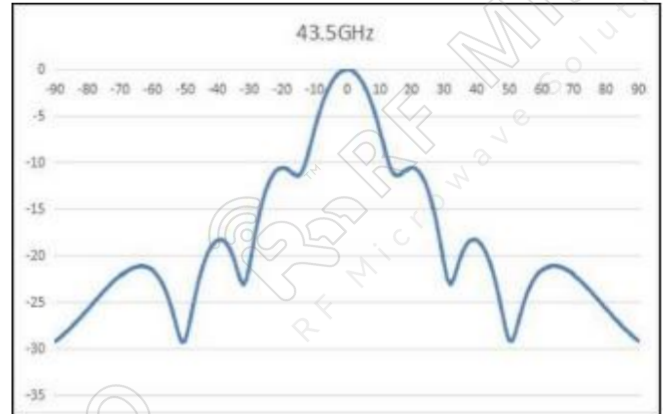
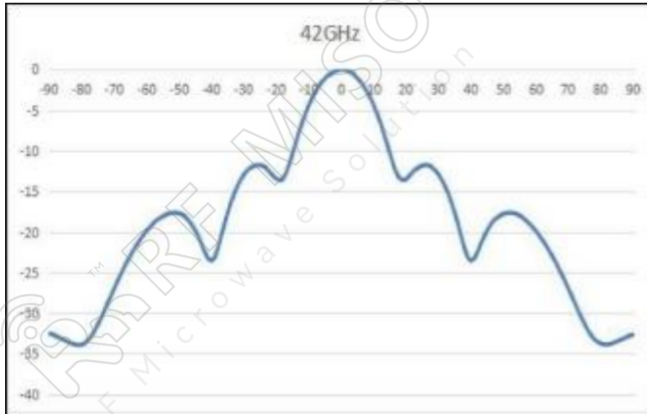


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Port 2 Gain Pattern E-Plane



Port 2 Gain Pattern H-Plane

