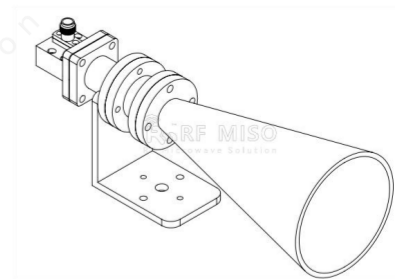


*Circularly Polarized Horn Antenna 20dBi Typ. Gain,
24.5-27.5 GHz Frequency Range*



Circularly Polarized Horn Antenna Data Sheet

RM-CPHA2427-20

Features

- Low VSWR
- Symmetrical Plane Beamwidth
- LHCP
- Light Weight

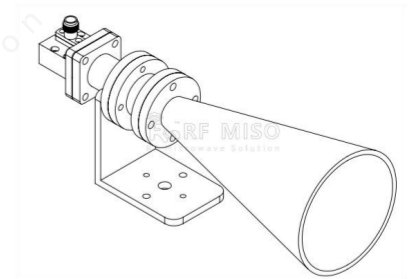
Descriptions

RF MISO's Model RM-CPHA2427-20 is LHCP circularly polarized horn antenna that operates from 24.5 to 27.5 GHz. The antenna offers a typical gain of 20 dB and low VSWR 1.1Typ. The antenna is equipped with a circular polarizer, a circular wave-guide to circular wave-guide Converter and a conical horn antenna. Antennas are widely used in antenna far-field testing, radio frequency radiation testing and other scenarios.

Specifications

RM-CPHA2427-20		
Parameters	Specification	Unit
Frequency Range	24.5-27.5	GHz
Gain	20 Typ.	dBi
VSWR	1.1 Typ.	
AR	<1	dB
Polarization	LHCP	
Interface	2.92-Female	
Material	Al	
Finishing	Paint	
Average Power	20	W
Peak Power	40	W
Size (L*W*H)	159.6*Φ53.4 (±5)	mm
Weight	0.12	kg

*Circularly Polarized Horn Antenna 20dBi Typ. Gain,
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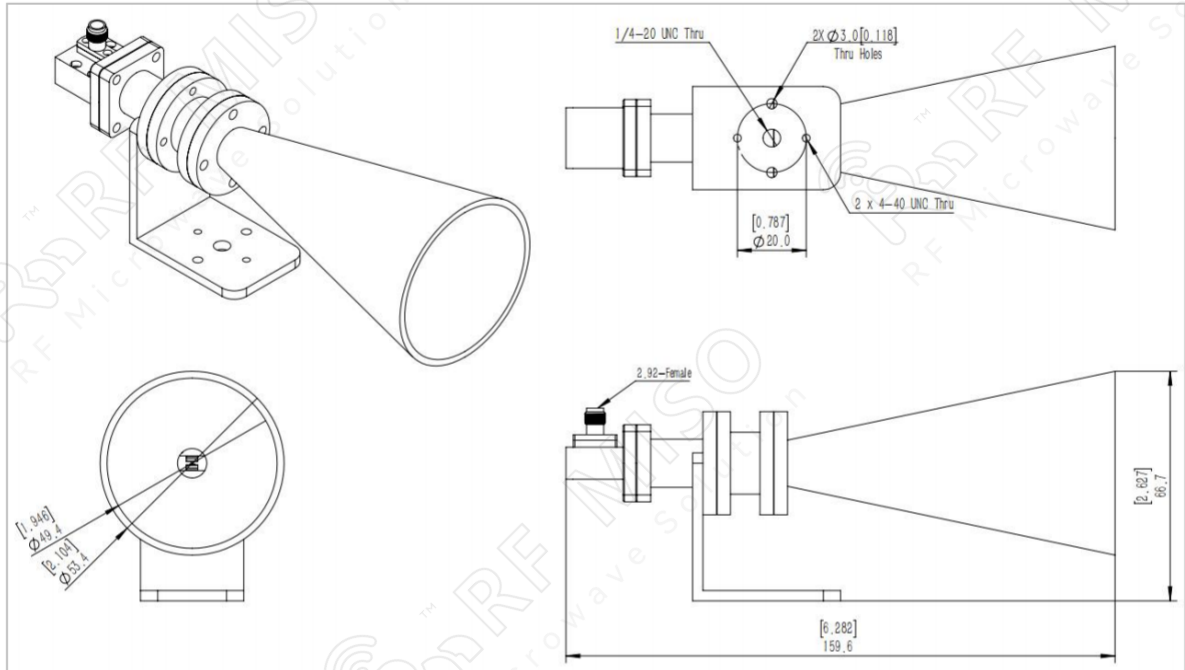


Circularly Polarized Horn Antenna Data Sheet

RM-CPHA2427-20

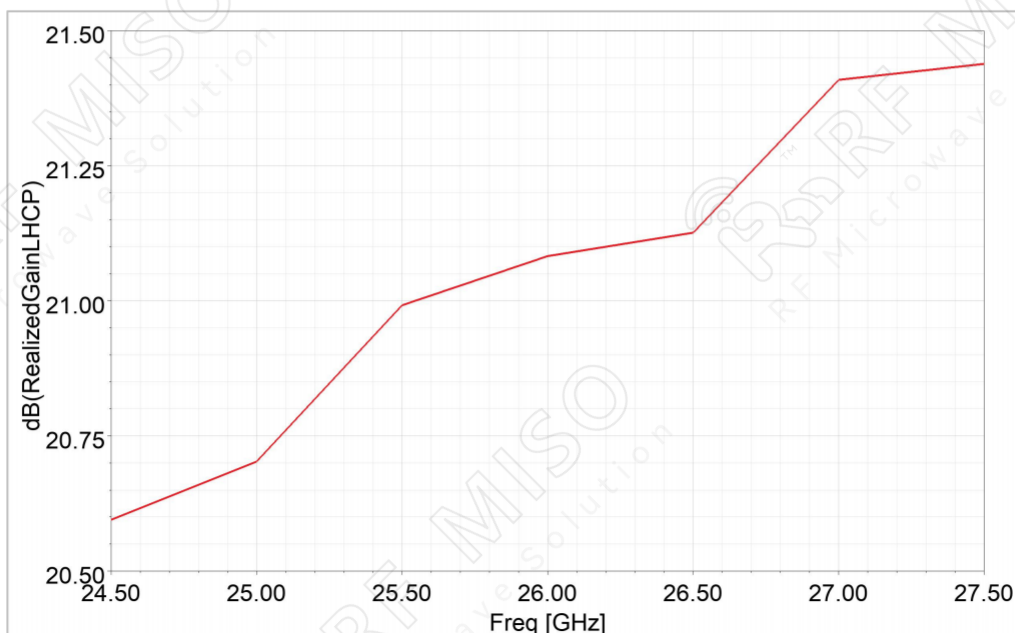
Outline Drawing

N type and SMA type connectors are available, please contact RF Miso.

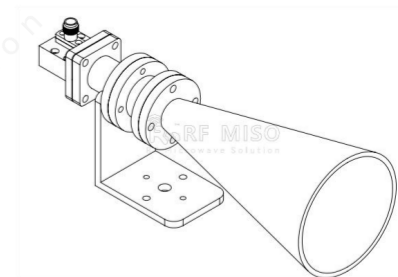


Simulation Data

Gain



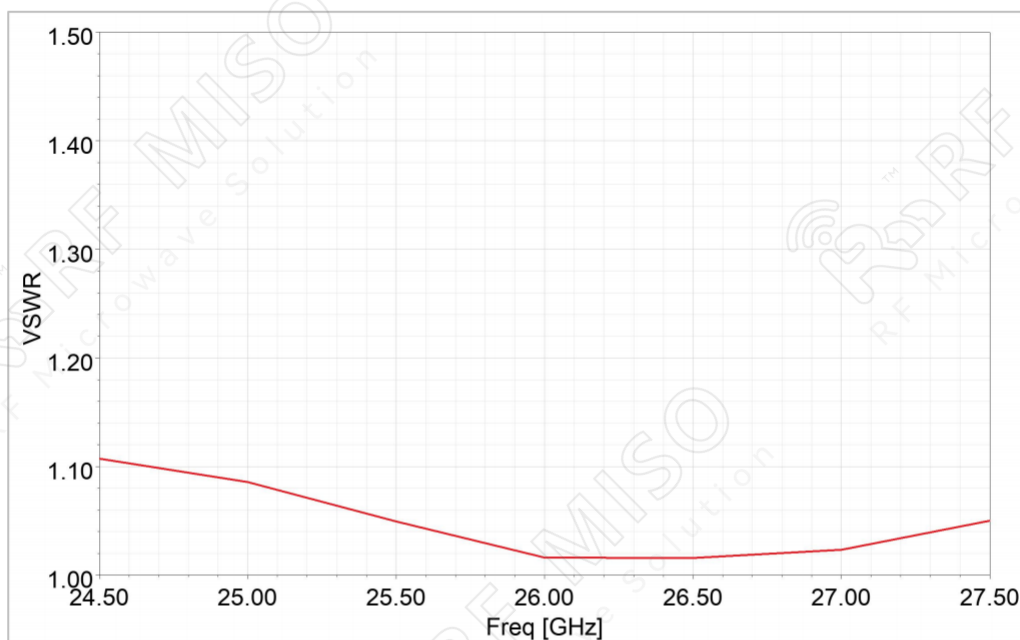
*Circularly Polarized Horn Antenna 20dBi Typ. Gain,
24.5-27.5 GHz Frequency Range*



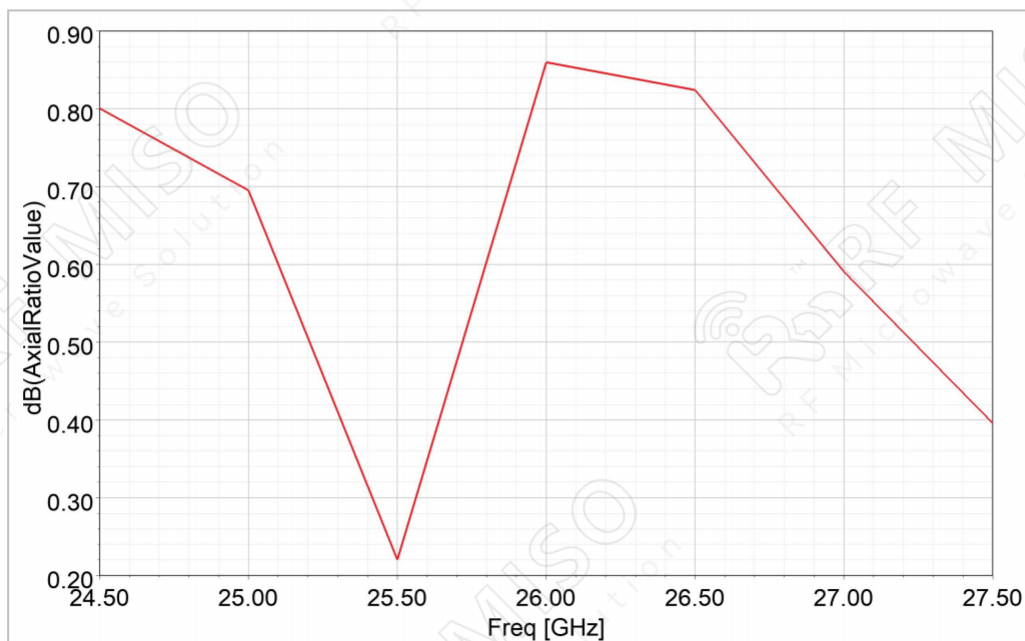
Circularly Polarized Horn Antenna Data Sheet

RM-CPHA2427-20

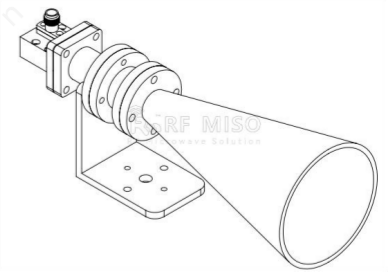
VSWR



AR



*Circularly Polarized Horn Antenna 20dBi Typ. Gain,
24.5-27.5 GHz Frequency Range*

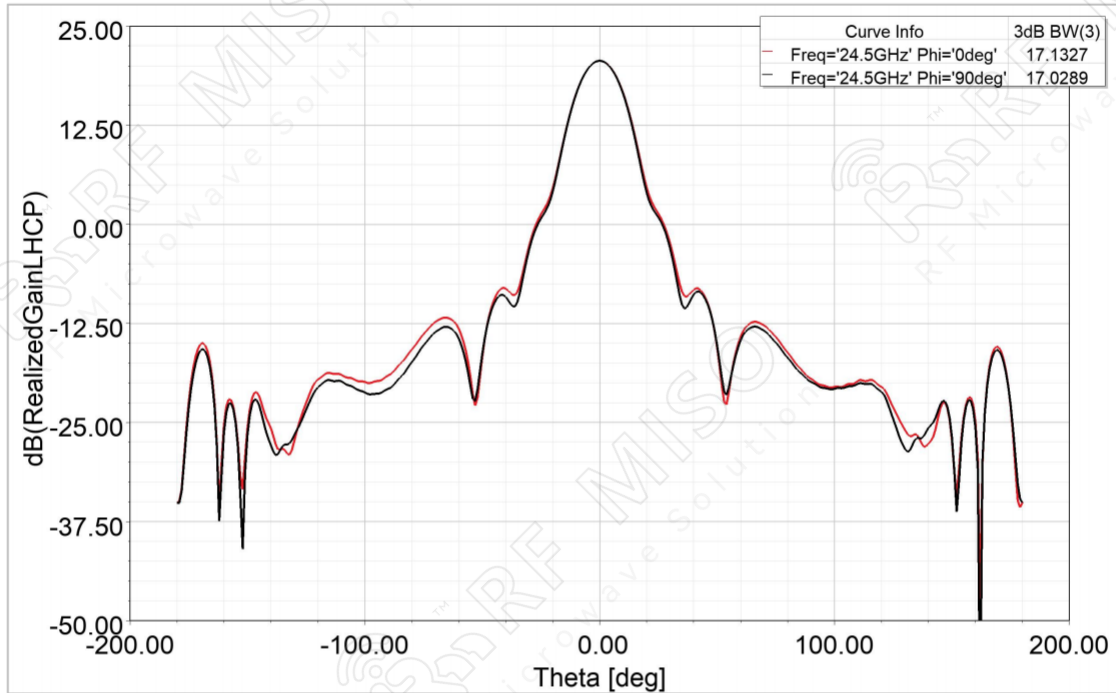


Circularly Polarized Horn Antenna Data Sheet

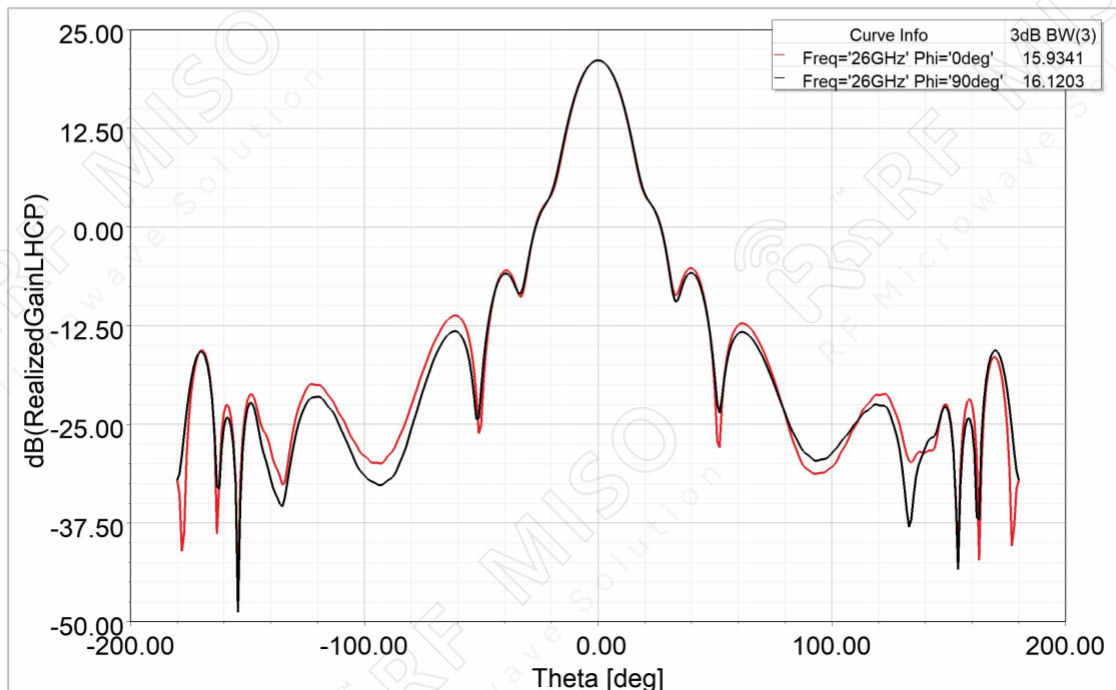
RM-CPHA2427-20

Pattern

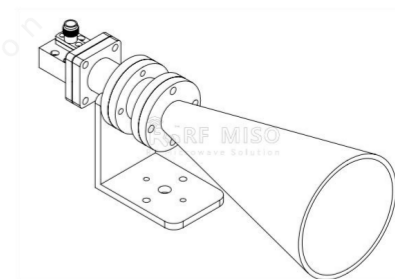
24.5GHz



26GHz



*Circularly Polarized Horn Antenna 20dBi Typ. Gain,
24.5-27.5 GHz Frequency Range*



Circularly Polarized Horn Antenna Data Sheet

RM-CPHA2427-20

27.5GHz

