



*Conical Dual Polarized Horn Antenna  
12 dBi Typ. Gain, 0.8-18 GHz Frequency Range*

## Conical Dual Polarized Horn Antenna Data Sheet

**RM-CDPHA0818-12**

### Features

- Coaxial Adapter for RF Inputs
- Moderate Gain
- Lens Antenna
- Broadband Operation
- Dual Linear Polarized
- Small Size

### Descriptions

RF MISO's **Model RM-CDPHA0818-12** is a dual polarized lens horn antenna that operates from 0.8 to 18GHz, The antenna offers 12 dBi typical gain. The antenna VSWR is typical 2:1. The antenna RF ports are SMA-KFD connector. It can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

### Specifications

RM-CDPHA0818-12		
Parameters	Typical	Units
Frequency Range	0.8-18	GHz
Gain	12 Typ.	dBi
VSWR	2 Typ.	
Polarization	Dual Linear	
Cross Pol.Isolation	25	dB
Port Isolation	30	dB
Connector	SMA-KFD	
Material	Al	
Finishing	Paint Black	
Size	295* $\Phi$ 198(L*W*H)	mm
Weight	2.6	kg



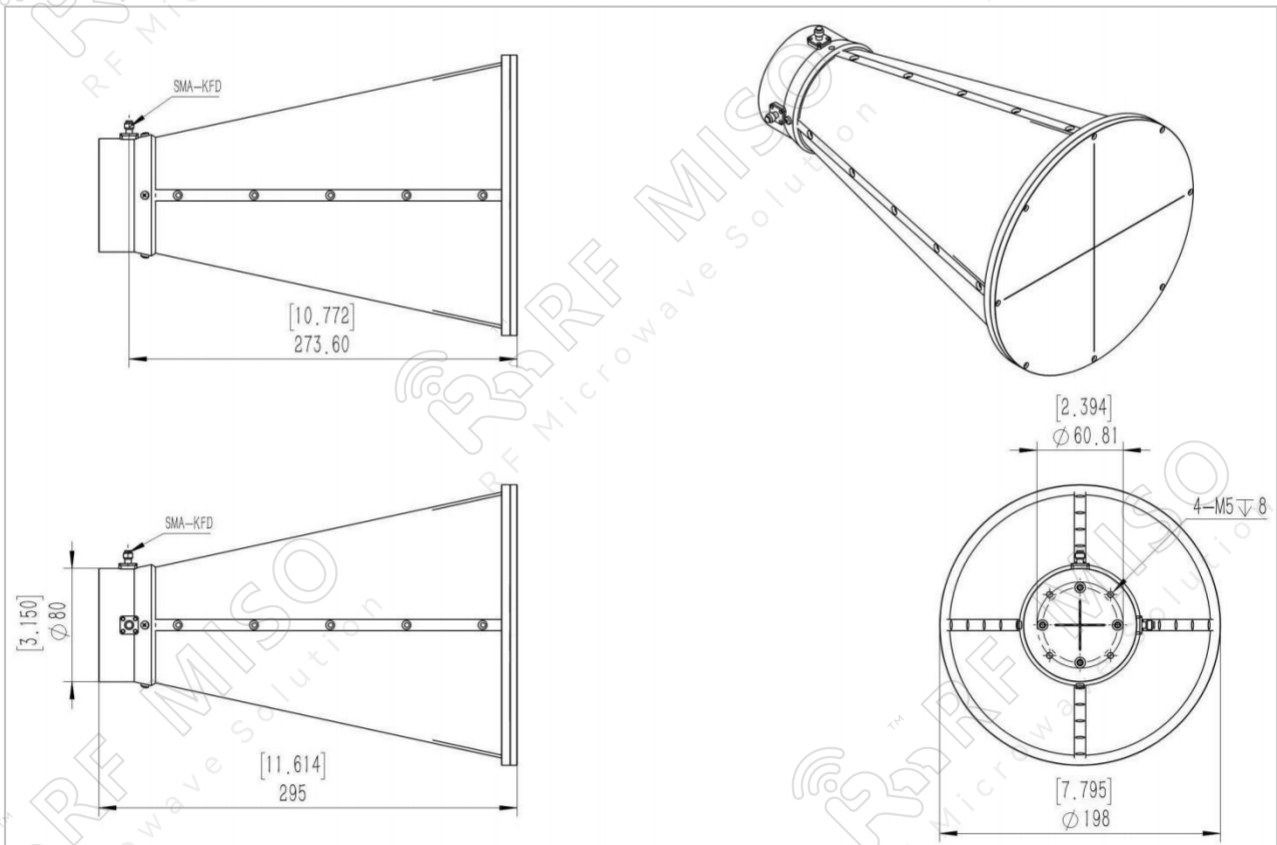
Conical Dual Polarized Horn Antenna  
12 dBi Typ. Gain, 0.8-18 GHz Frequency Range

**Conical Dual Polarized Horn Antenna Data Sheet**

**RM-CDPHA0818-12**

Temperature	-40~+85	o
Average Power	200	w

**Outline Drawing**





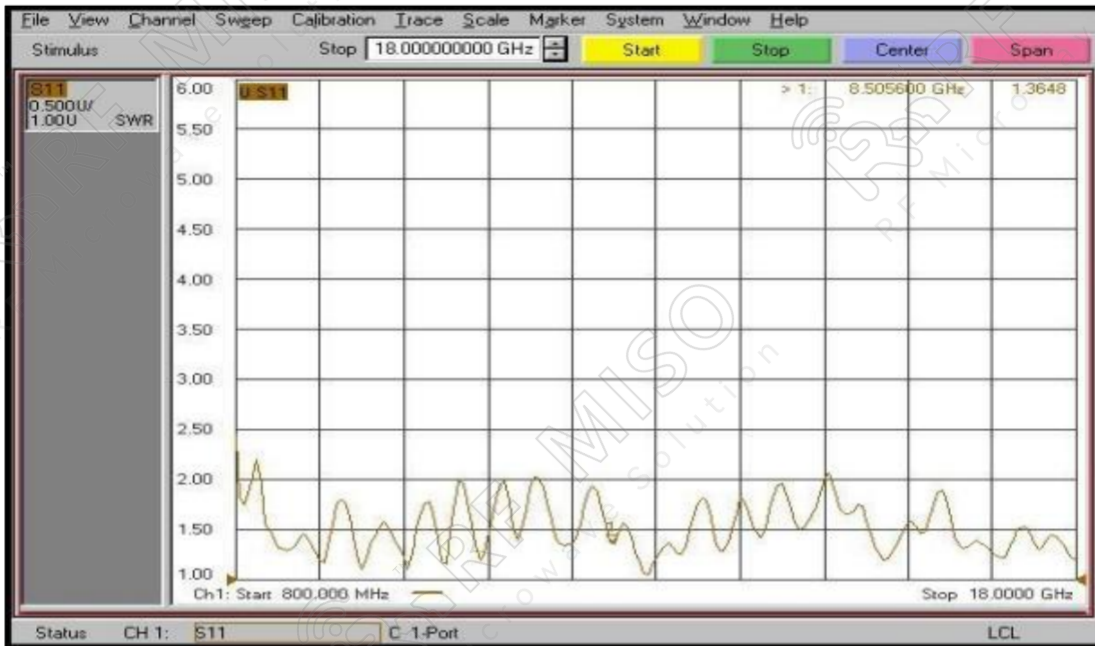
Conical Dual Polarized Horn Antenna  
12 dBi Typ. Gain, 0.8-18 GHz Frequency Range

**Conical Dual Polarized Horn Antenna Data Sheet**

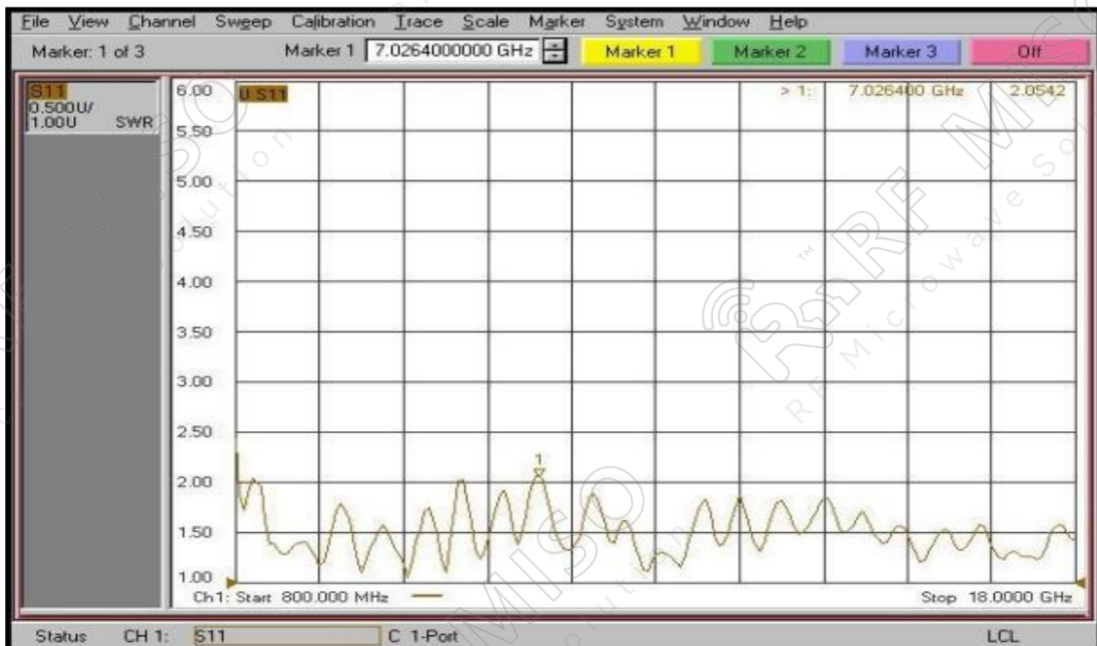
**RM-CDPHA0818-12**

**Test Result**

**Port 1 VSWR**



**Port 2 VSWR**



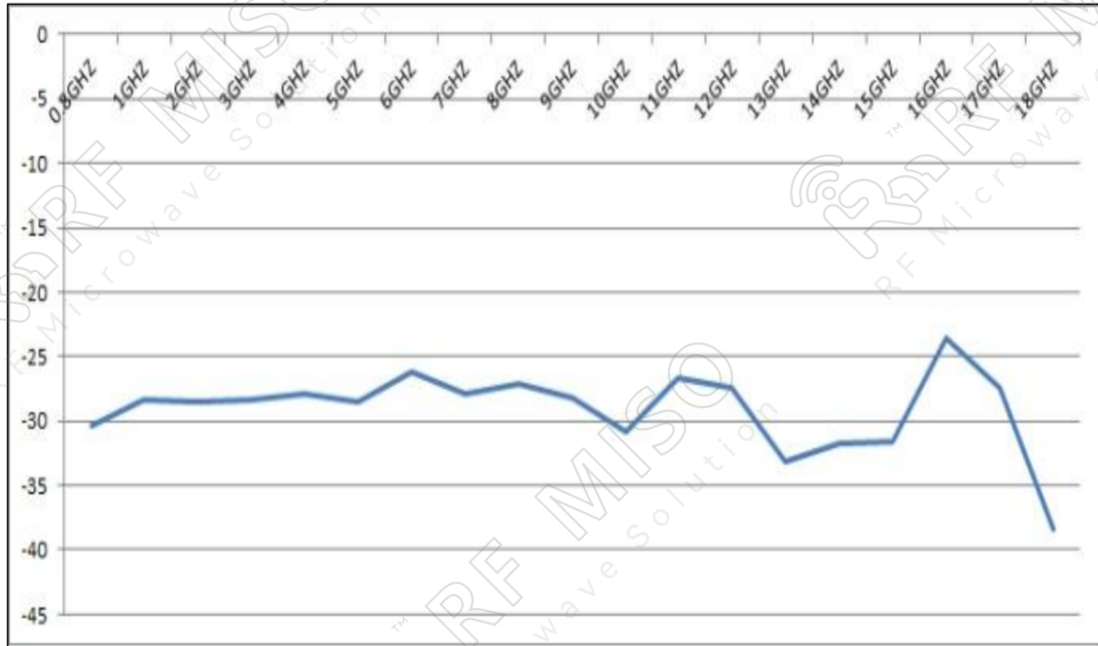


Conical Dual Polarized Horn Antenna  
12 dBi Typ. Gain, 0.8-18 GHz Frequency Range

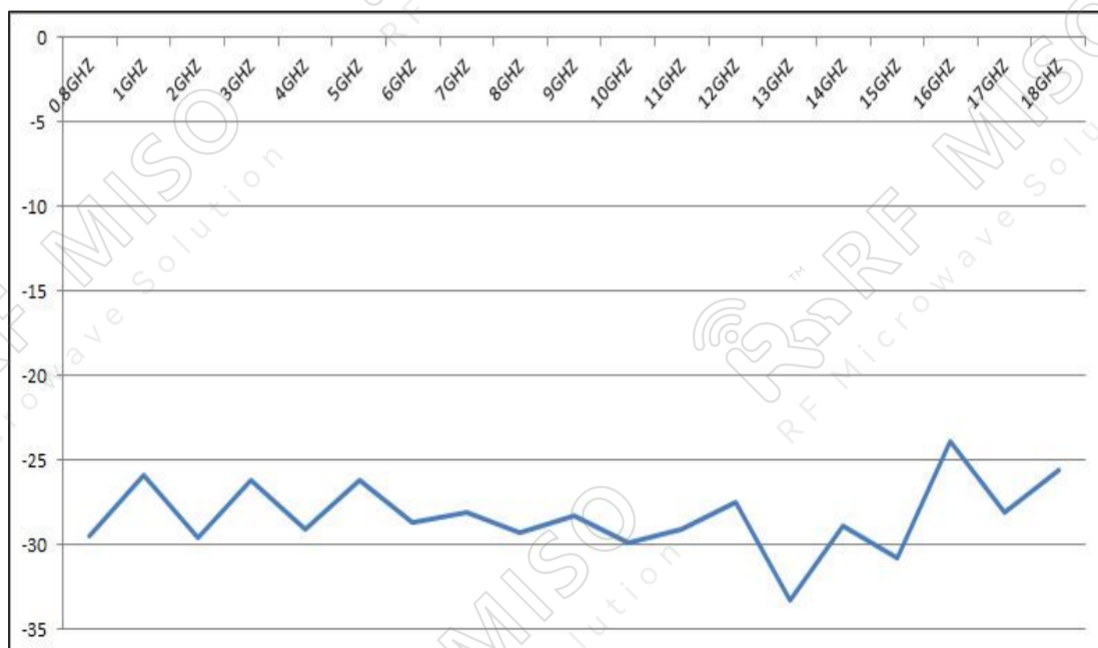
**Conical Dual Polarized Horn Antenna Data Sheet**

**RM-CDPHA0818-12**

**Port 1 Cross Pol. Isolation**



**Port 2 Cross Pol. Isolation**



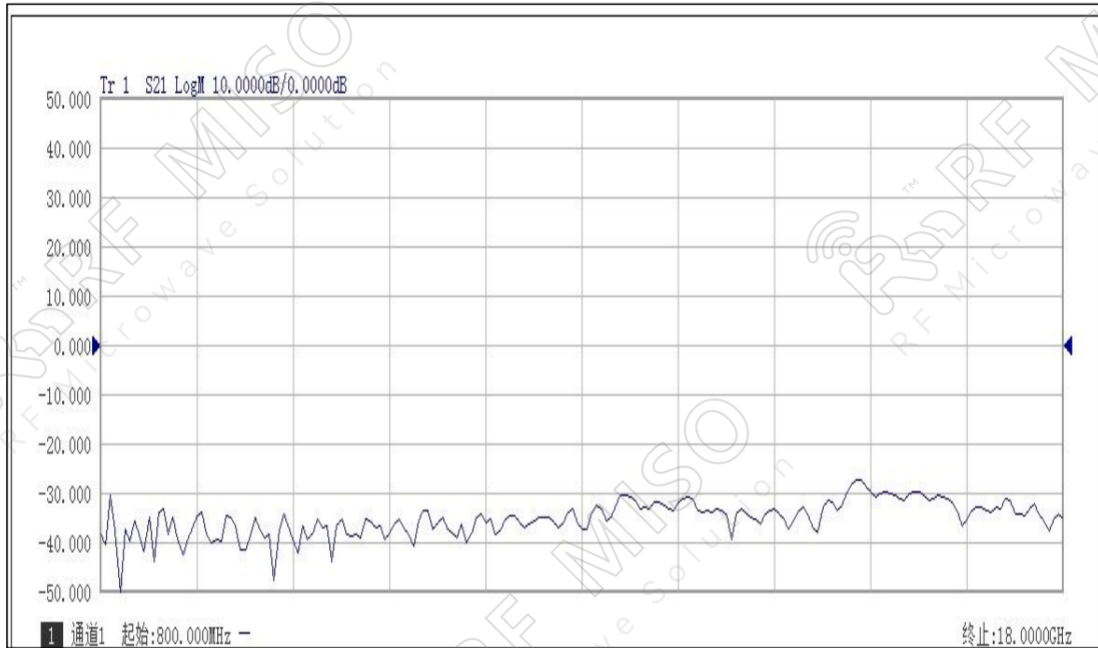


Conical Dual Polarized Horn Antenna  
12 dBi Typ. Gain, 0.8-18 GHz Frequency Range

**Conical Dual Polarized Horn Antenna Data Sheet**

**RM-CDPHA0818-12**

**Port Isolation**



**Gain**



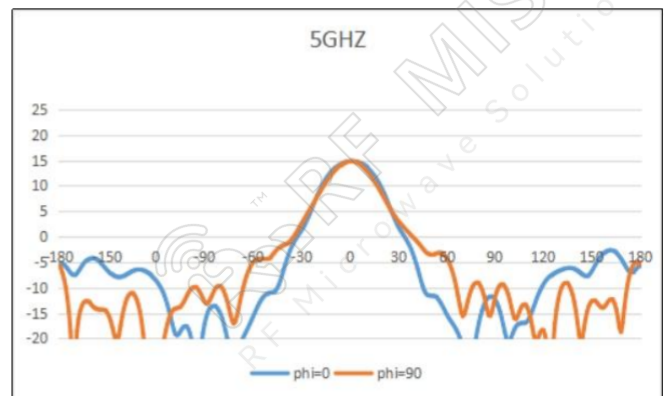
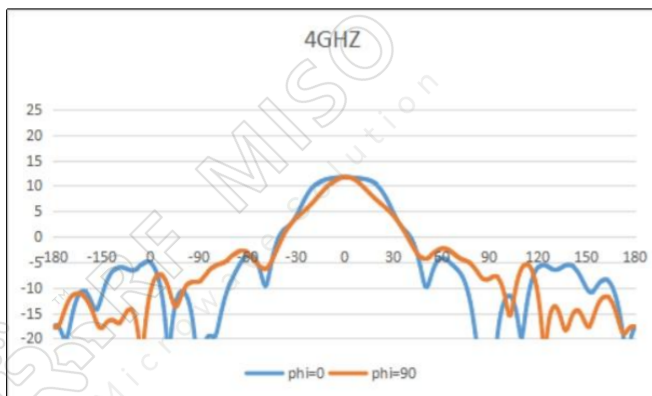
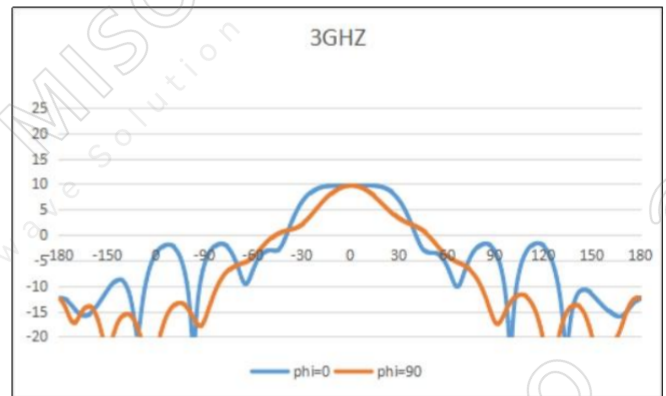
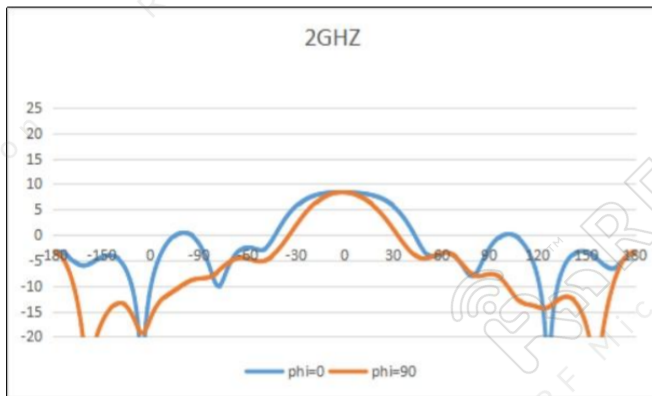
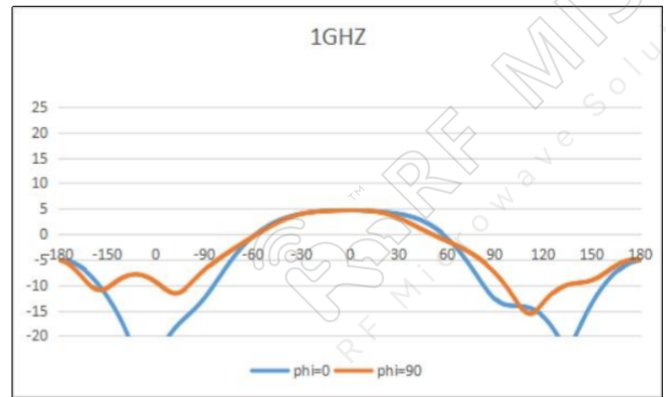
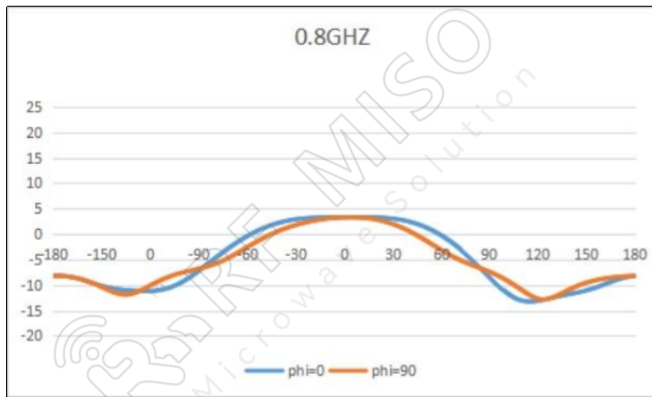


Conical Dual Polarized Horn Antenna  
12 dBi Typ. Gain, 0.8-18 GHz Frequency Range

**Conical Dual Polarized Horn Antenna Data Sheet**

**RM-CDPHA0818-12**

**Port 1 Gain Pattern**

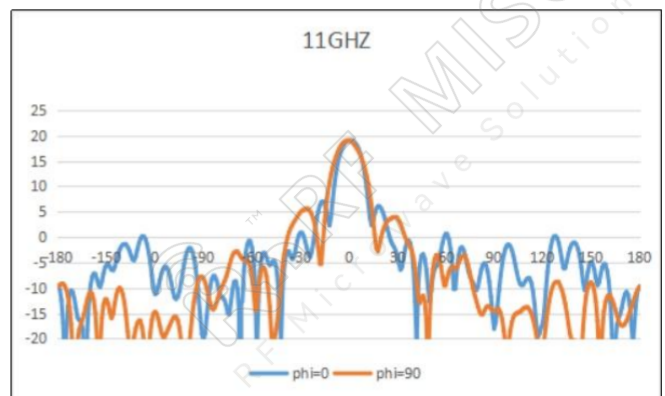
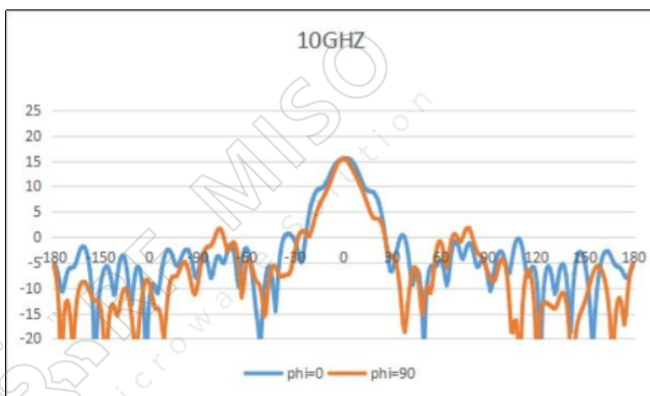
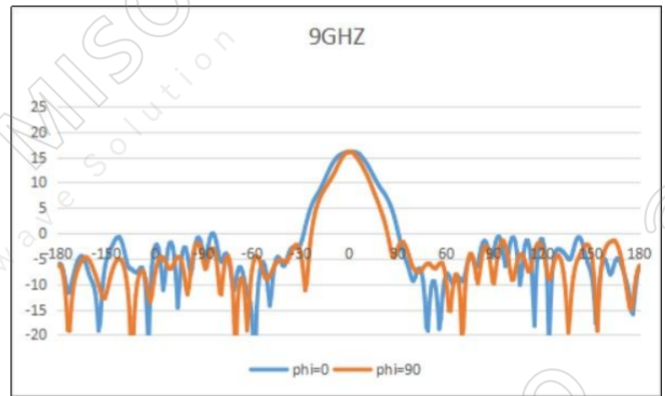
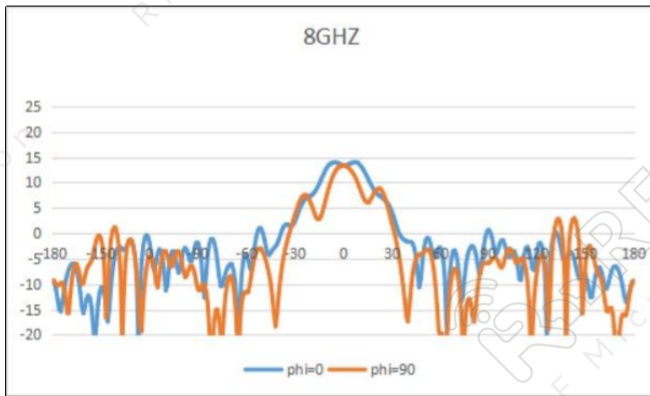
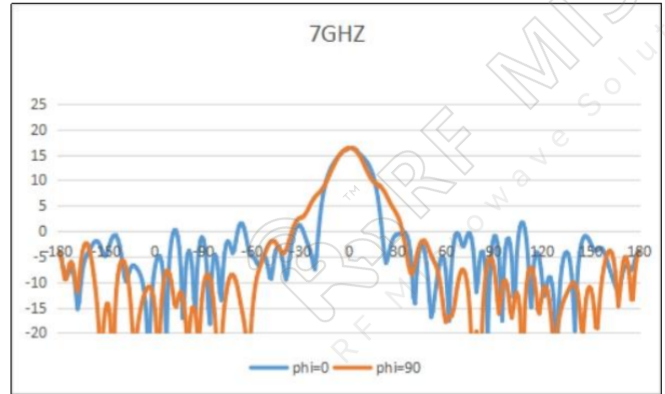
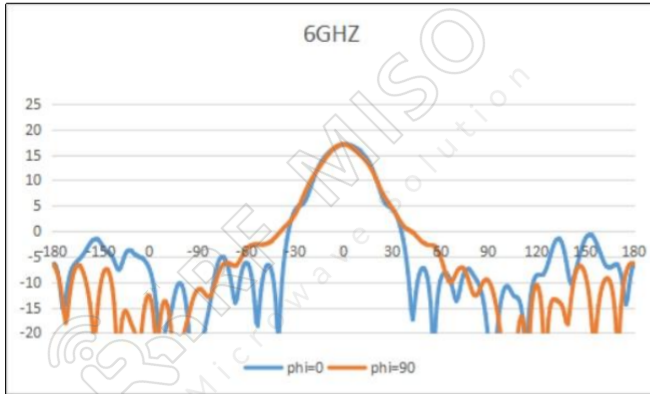




Conical Dual Polarized Horn Antenna  
12 dBi Typ. Gain, 0.8-18 GHz Frequency Range

**Conical Dual Polarized Horn Antenna Data Sheet**

**RM-CDPHA0818-12**

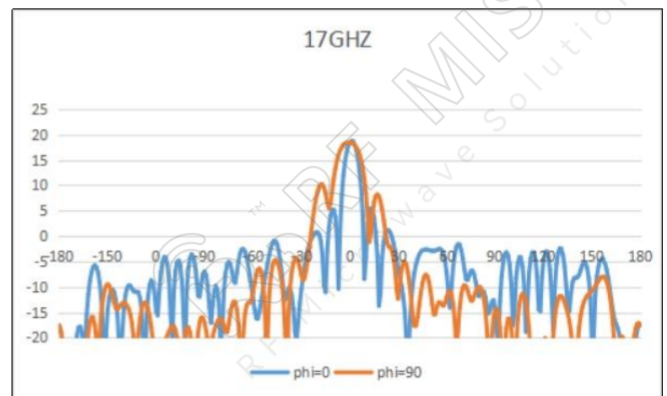
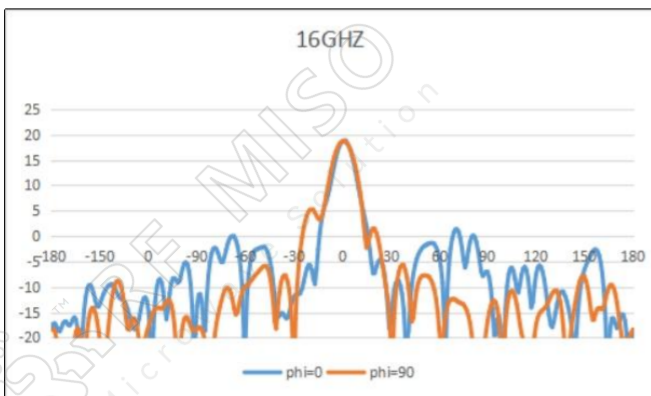
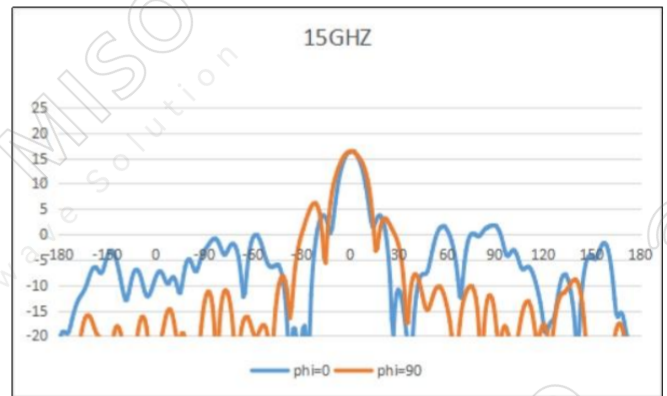
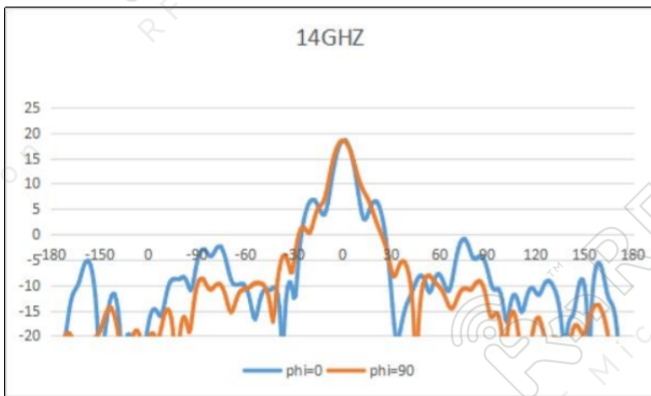
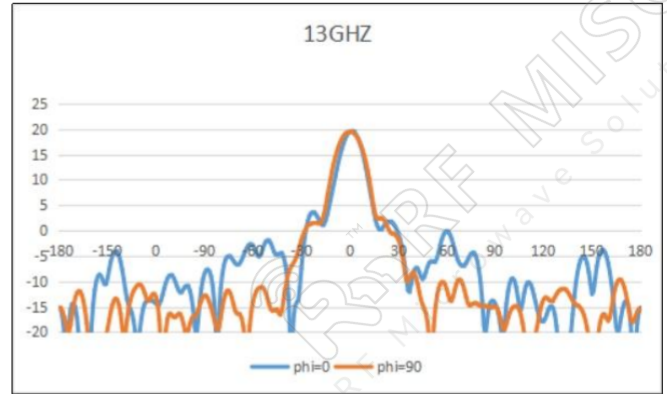
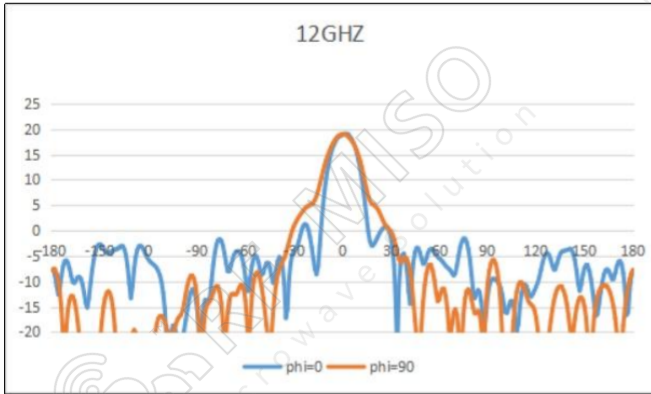




*Conical Dual Polarized Horn Antenna  
12 dBi Typ. Gain, 0.8-18 GHz Frequency Range*

**Conical Dual Polarized Horn Antenna Data Sheet**

**RM-CDPHA0818-12**



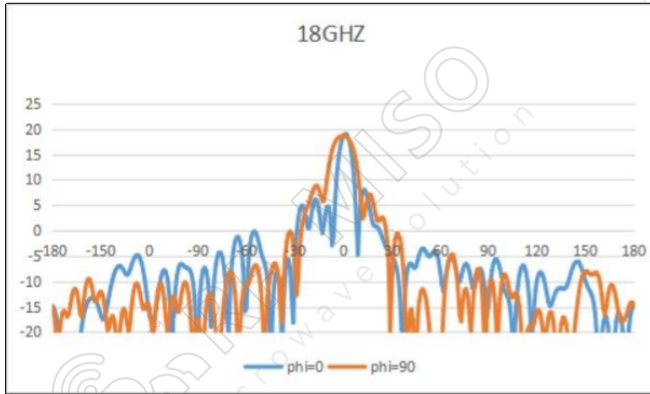




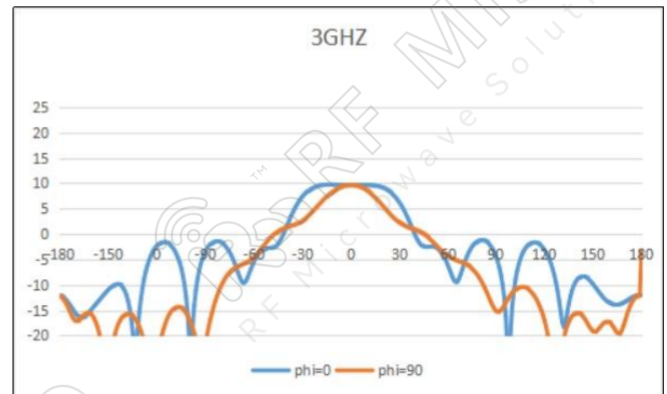
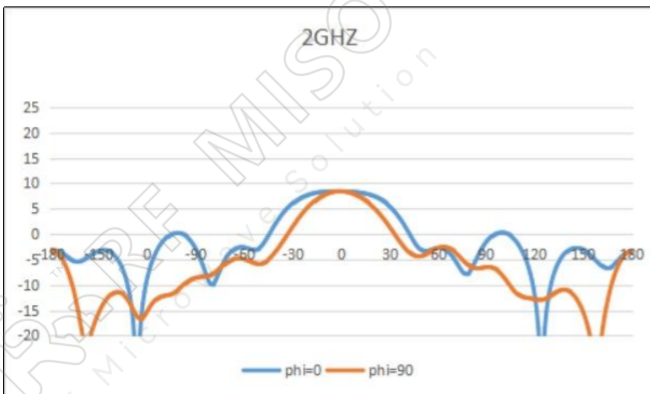
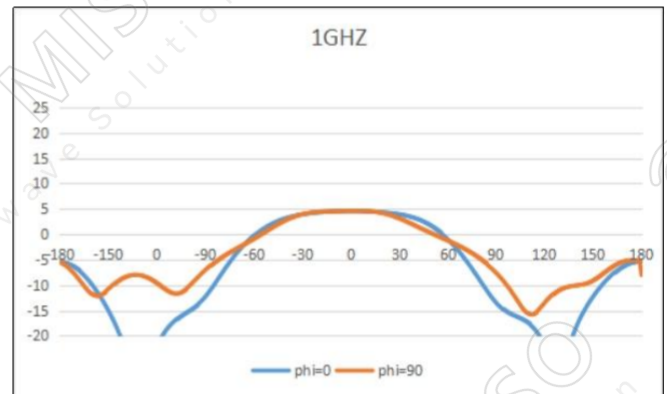
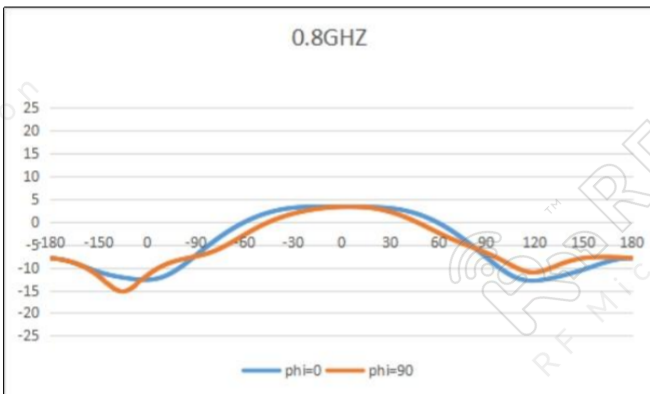
Conical Dual Polarized Horn Antenna  
12 dBi Typ. Gain, 0.8-18 GHz Frequency Range

**Conical Dual Polarized Horn Antenna Data Sheet**

**RM-CDPHA0818-12**



**Port 2 Gain Pattern**

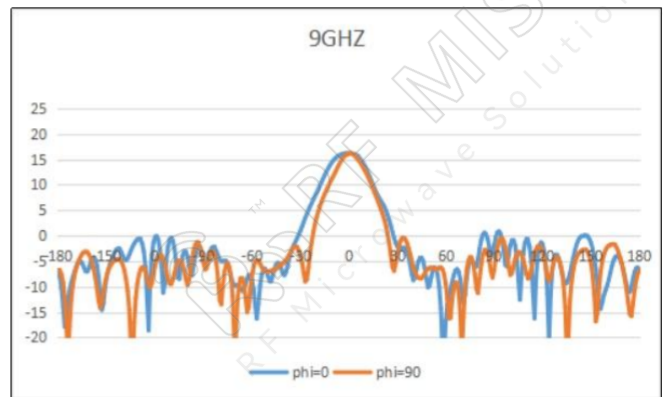
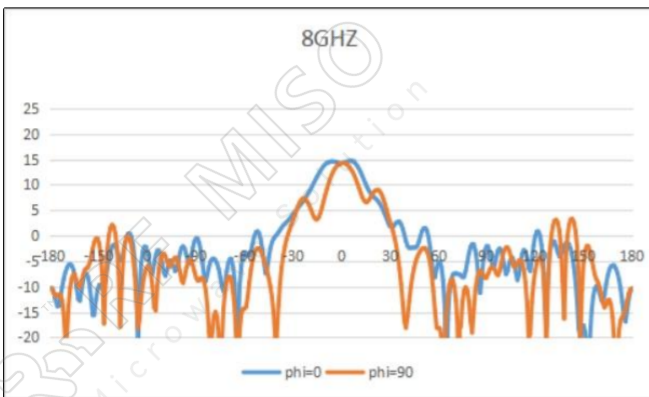
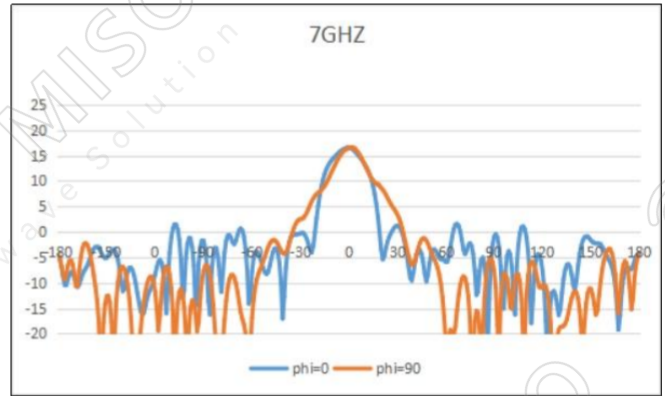
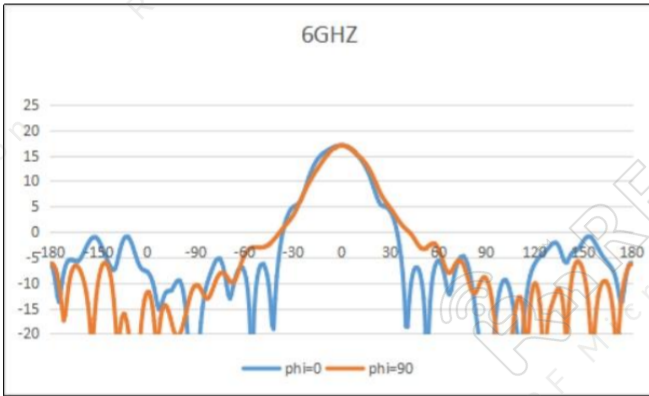
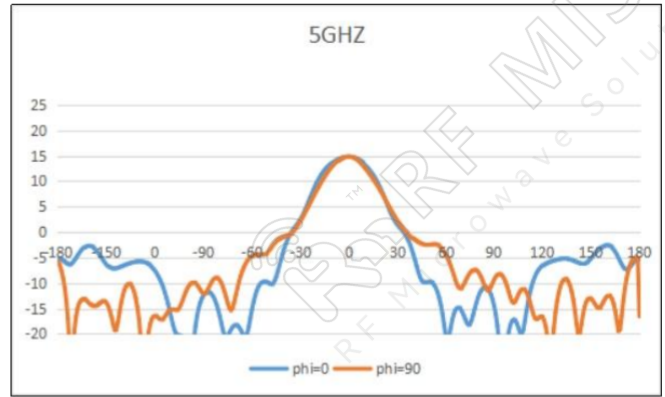
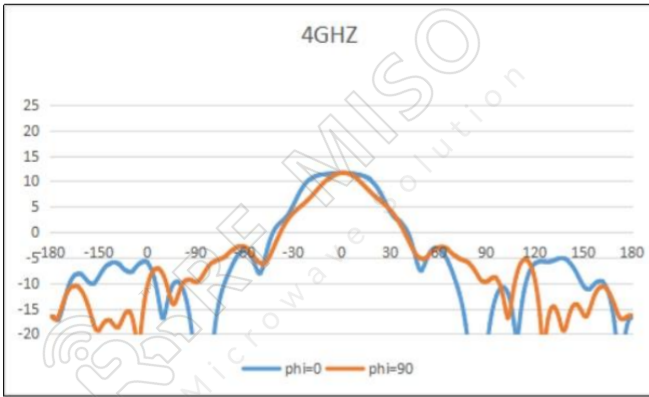




Conical Dual Polarized Horn Antenna  
12 dBi Typ. Gain, 0.8-18 GHz Frequency Range

**Conical Dual Polarized Horn Antenna Data Sheet**

**RM-CDPHA0818-12**

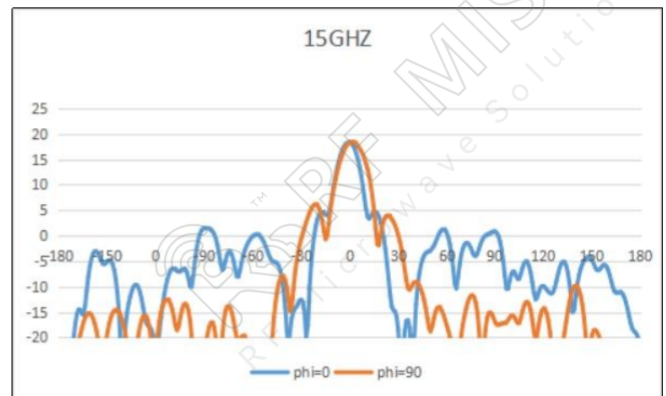
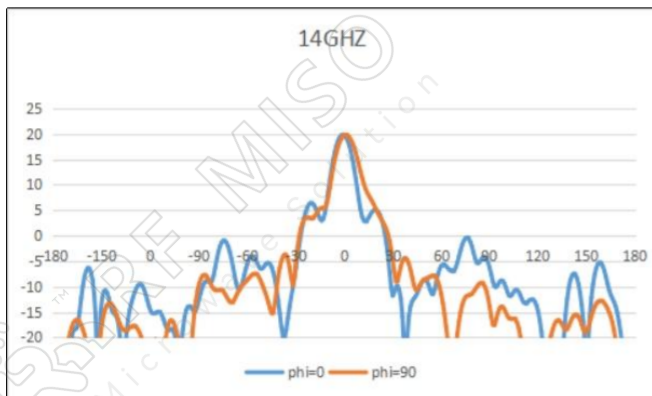
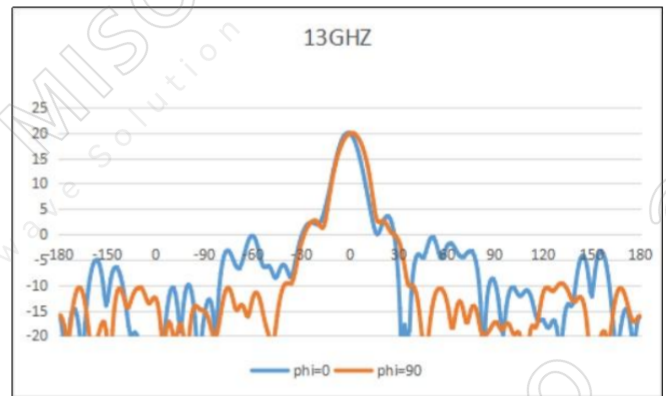
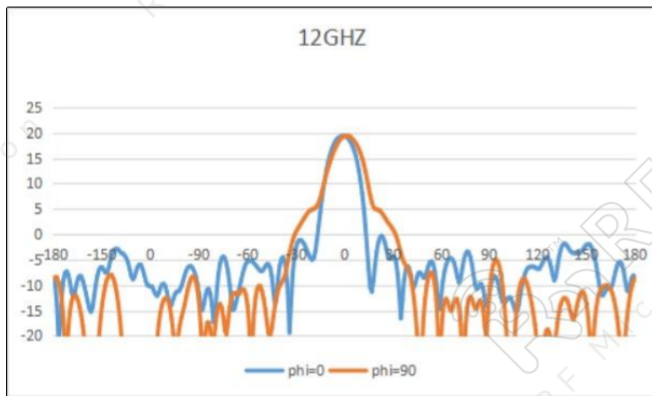
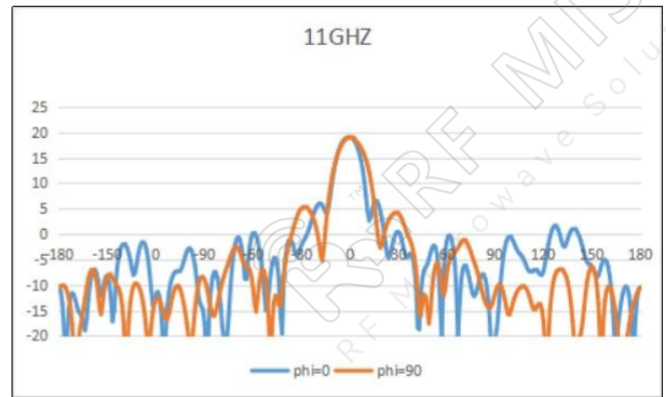
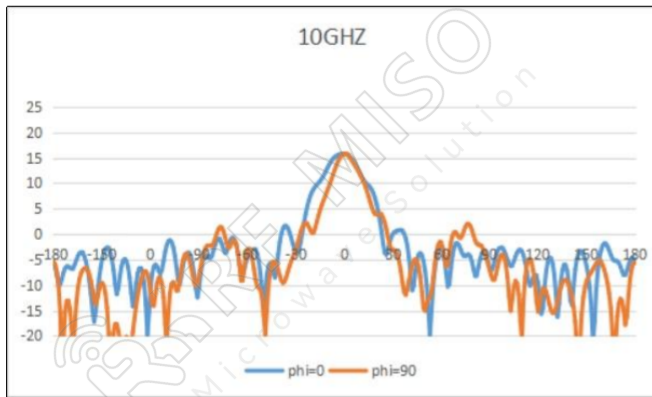




*Conical Dual Polarized Horn Antenna  
12 dBi Typ. Gain, 0.8-18 GHz Frequency Range*

**Conical Dual Polarized Horn Antenna Data Sheet**

**RM-CDPHA0818-12**





*Conical Dual Polarized Horn Antenna  
12 dBi Typ. Gain, 0.8-18 GHz Frequency Range*

**Conical Dual Polarized Horn Antenna Data Sheet**

**RM-CDPHA0818-12**

