



Waveguide Probe Antenna Data Sheet

RM-WPA137-7

Features

- WR-137 Rectangular Waveguide Interface
- Linear Polarization
- High Return Loss
- Precisely Machined

Description

The **RM-WPA137-7** is a probe antenna that operates from 5.8 GHz to 8.2 GHz. The antenna offers 7 dBi typical gain. The antenna is linear polarized. The input of this antenna is a WR-137 waveguide with a CPR-137G flange.

Specifications

RM-WPA137-7			
Item	Specification		Units
Frequency Range	5.8-8.2		GHz
Gain	7 Typ.		dBi
VSWR	1.8 Typ.		
Polarization	Linear		
Cross-polarization Isolation	45 Typ.		dB
Waveguide Size	WR-137		
Interface	CPR-137G(F Type)	SMA-F(C Type)	
C Type, Size(L*W*H)	254.63*100*100(±5)		mm
Weight	0.151(FBP100)	0.380(C Type)	kg
Body Material	Al		
Surface Treatment	Paint		
C Type Power Handling, CW	50		W
C Type Power Handling, Pulse	3000		W

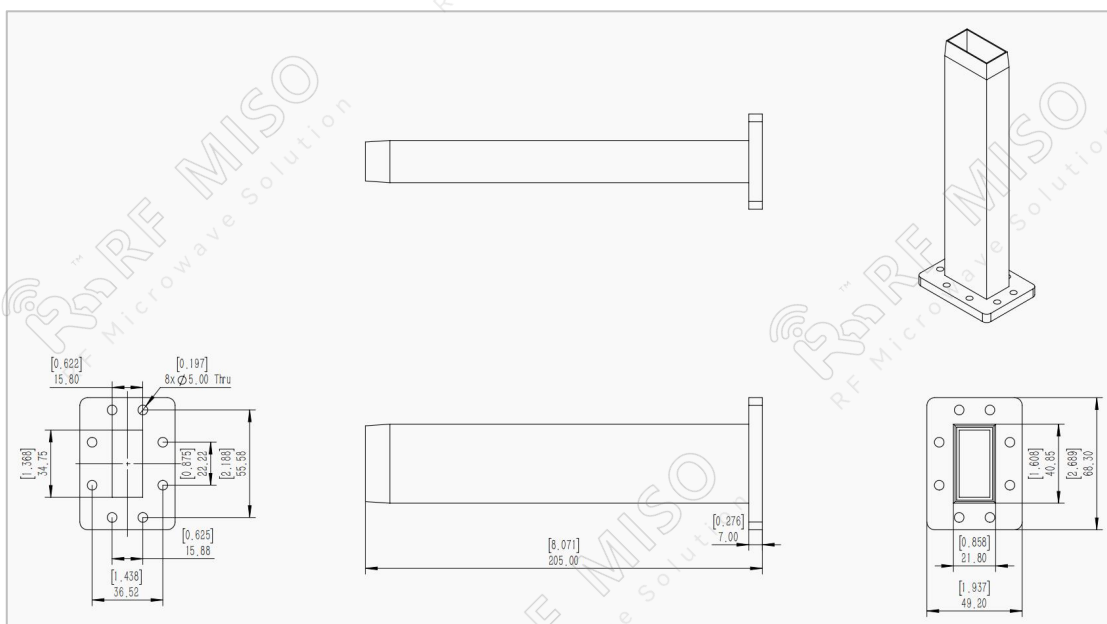
Waveguide Probe Antenna
7 dBi Typ. Gain, 5.8GHz-8.2GHz Frequency Range



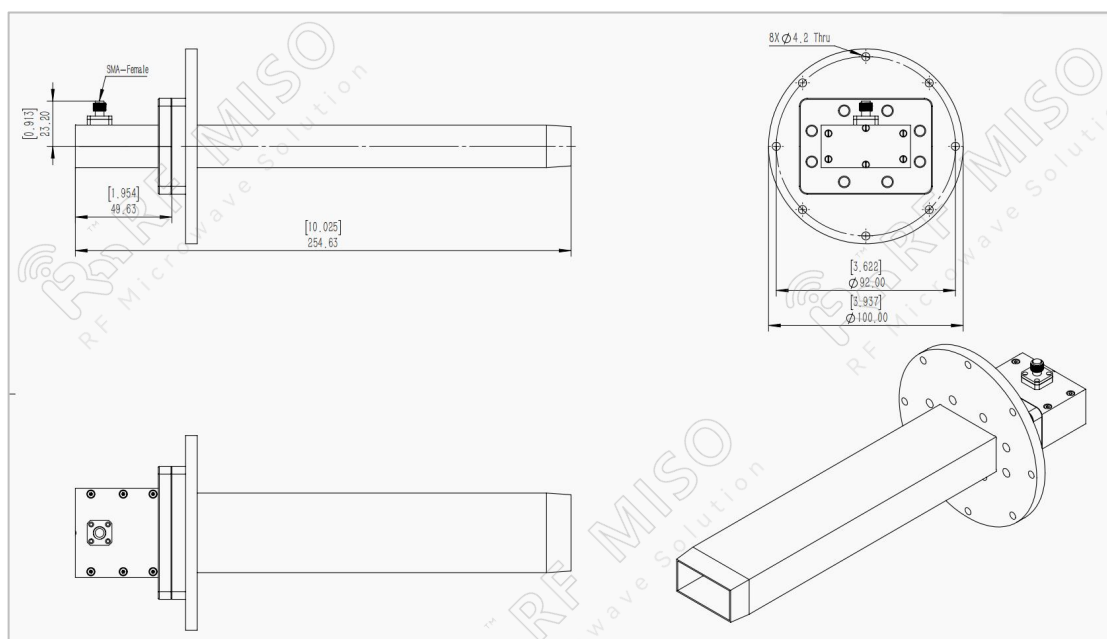
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F-Type Mechanical Drawing (P/N: RM-WPA137-7F)



C-Type Mechanical Drawing (P/N: RM-WPA137-7C)



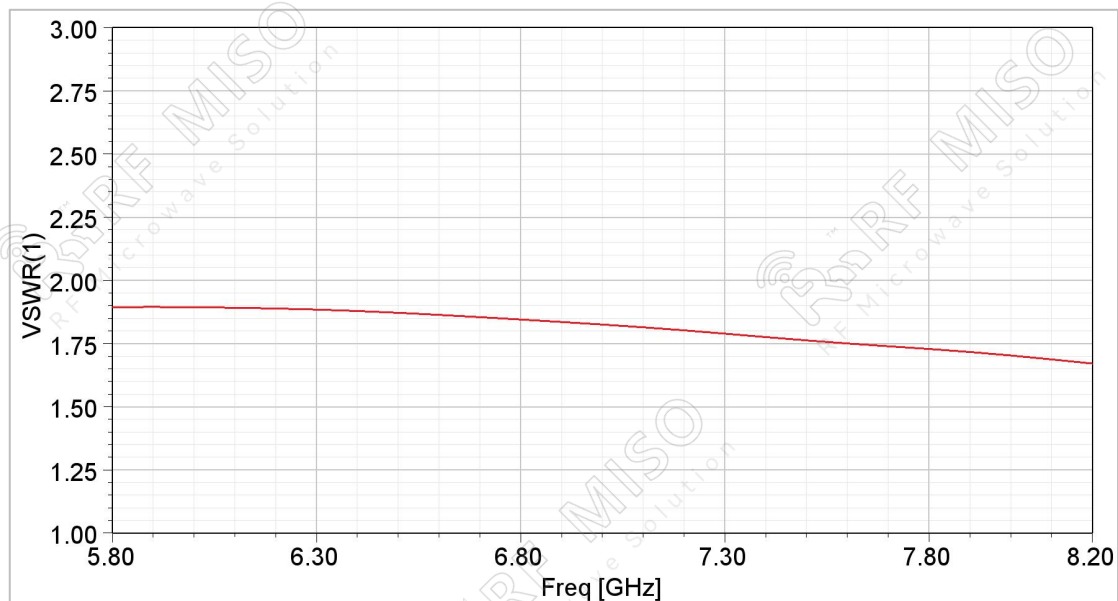


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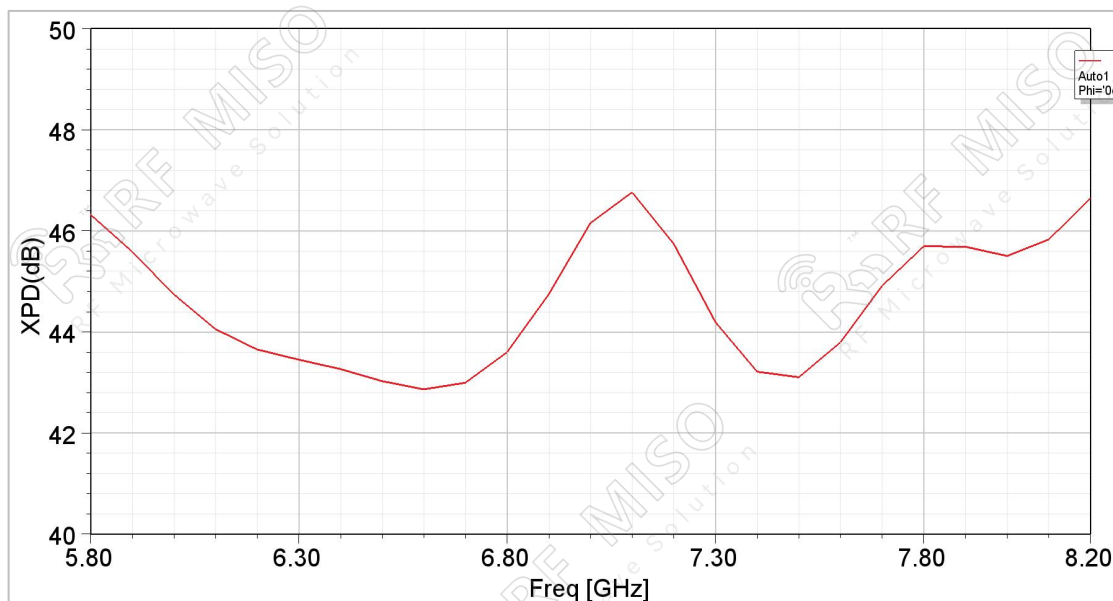
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Simulated Data

VSWR



Cross Polarization

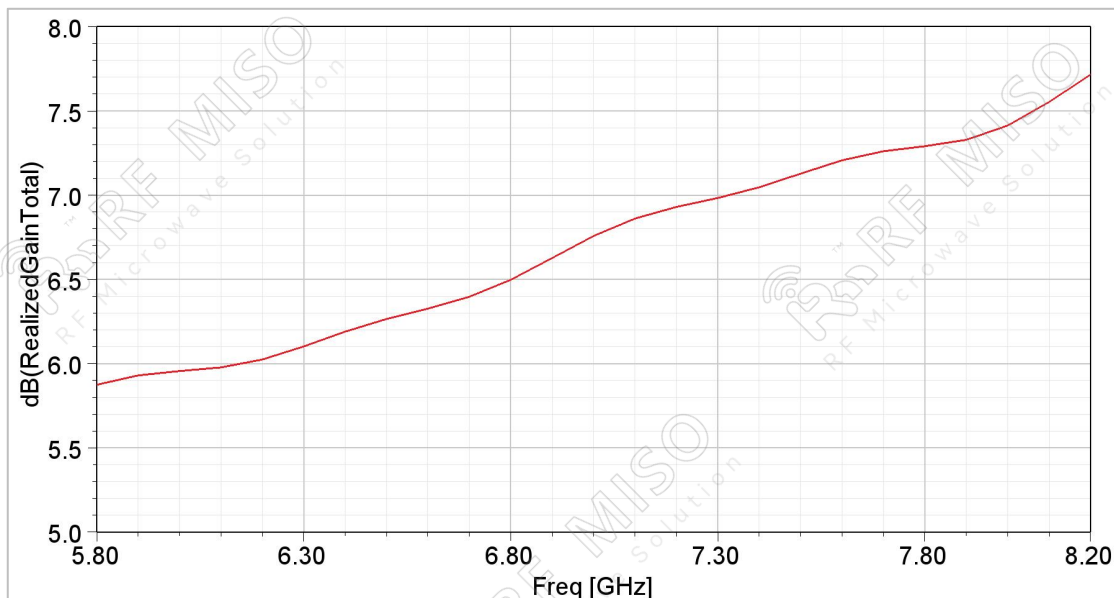




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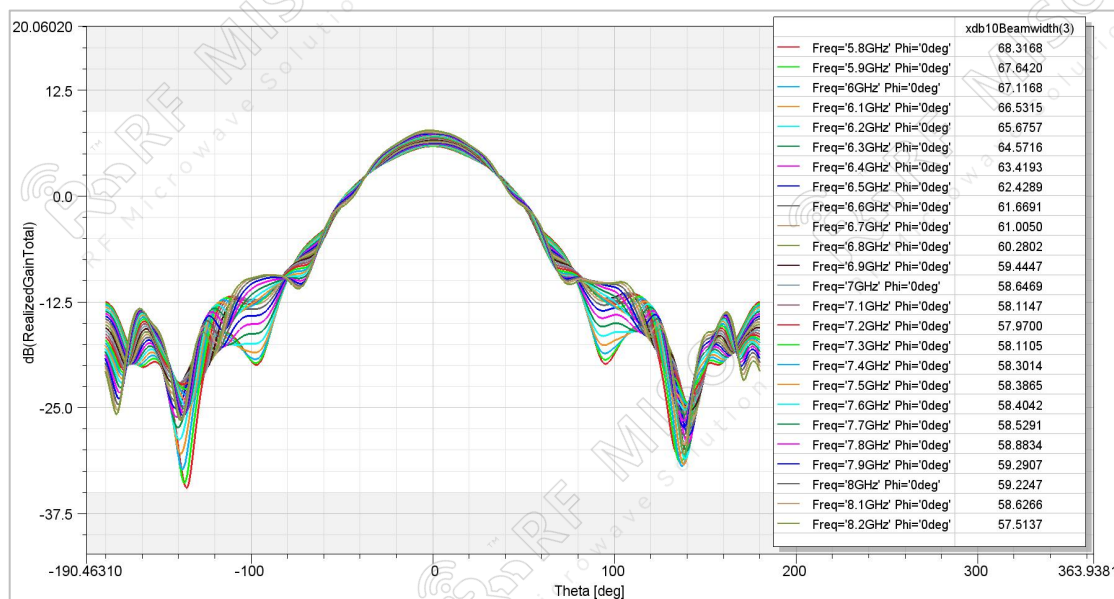
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Gain



Patterns

H-Plane



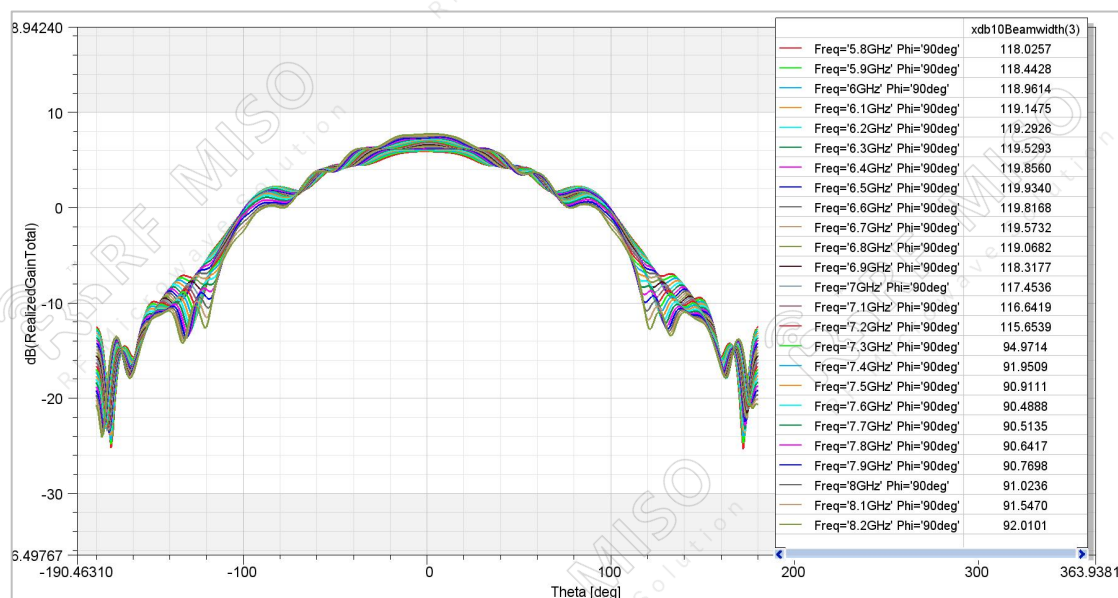
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E-Plane



D-Plane

