

Waveguide Probe Antenna
7 dBi Typ. Gain, 15-22GHz Frequency Range

Waveguide Probe Antenna Data Sheet

RM-WPA51-7

Description

The **RM-WPA51-7** is a probe antenna that operates from 15GHz to 22GHz. The antenna offers 7 dBi typical gain. The antenna supports linear polarized wave-forms. It is designed for planar near-field measurement, cylindrical near-field measurement and calibration.

Specifications

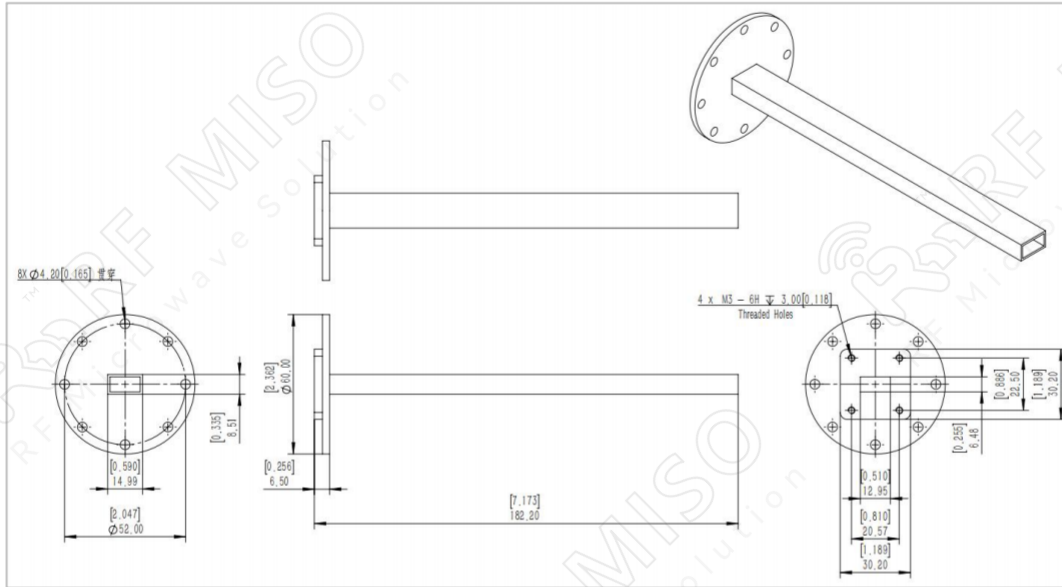
RM-WPA51-7			
Item	Specification		Units
Frequency Range	15-22		GHz
Gain	7 Typ.		dBi
VSWR	≤2		
Polarization	Linear		
Waveguide Size	WR51		
3dB BW	H-Plane:60 Typ. E-Plane:90 Typ.		
Interface	FBP180(F Type)	SMA-Female(C Type)	
Size(L*W*H)	221.9*Ø60(±5)		mm
Weight	0.05(F Type)	0.072(C Type)	Kg
Body Material	Al		
C Type Power Handling, CW	50		W
C Type Power Handling, Peak	100		W

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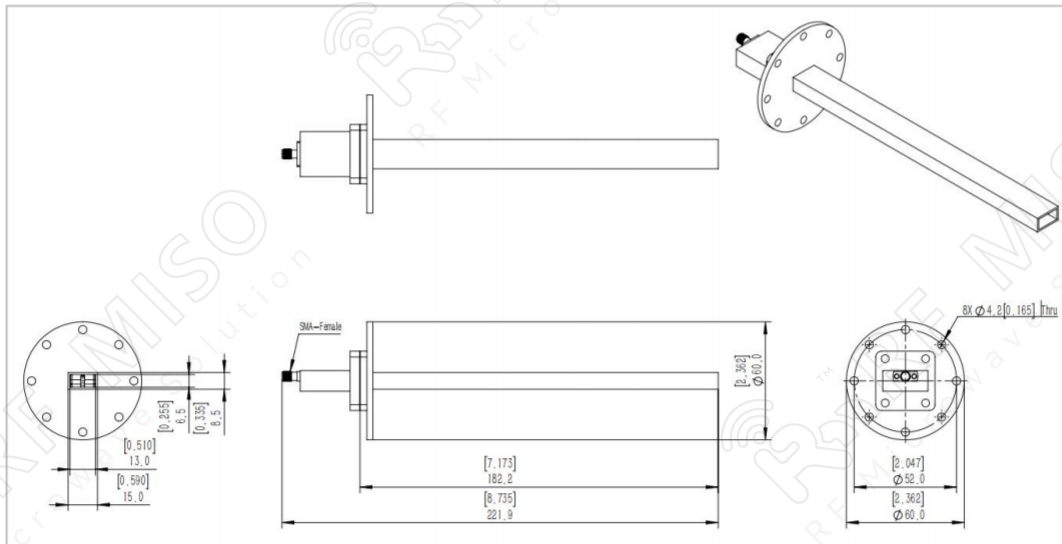
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Mechanical Drawing (P/N: RM-WPA51-7F)



Mechanical Drawing (P/N: RM-WPA51-7C)

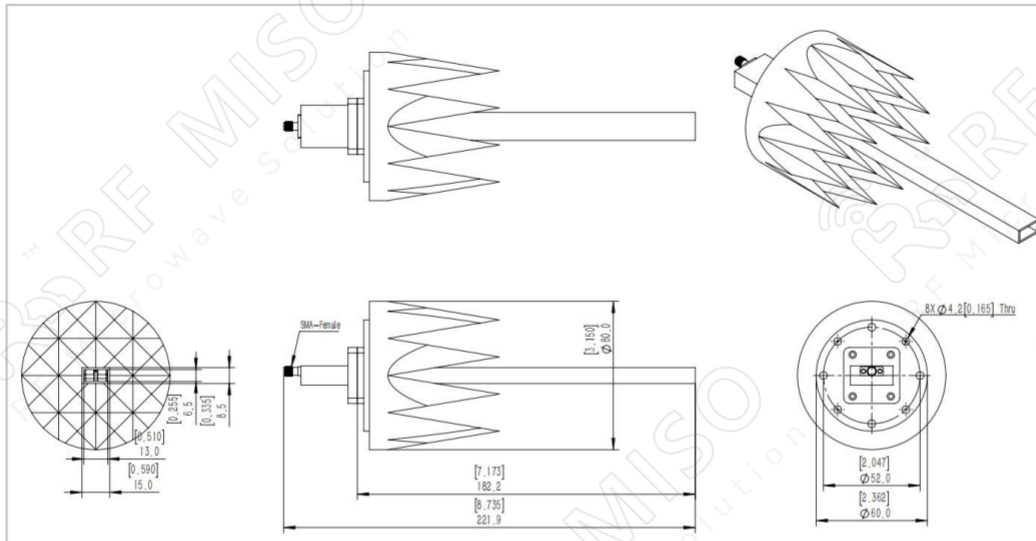


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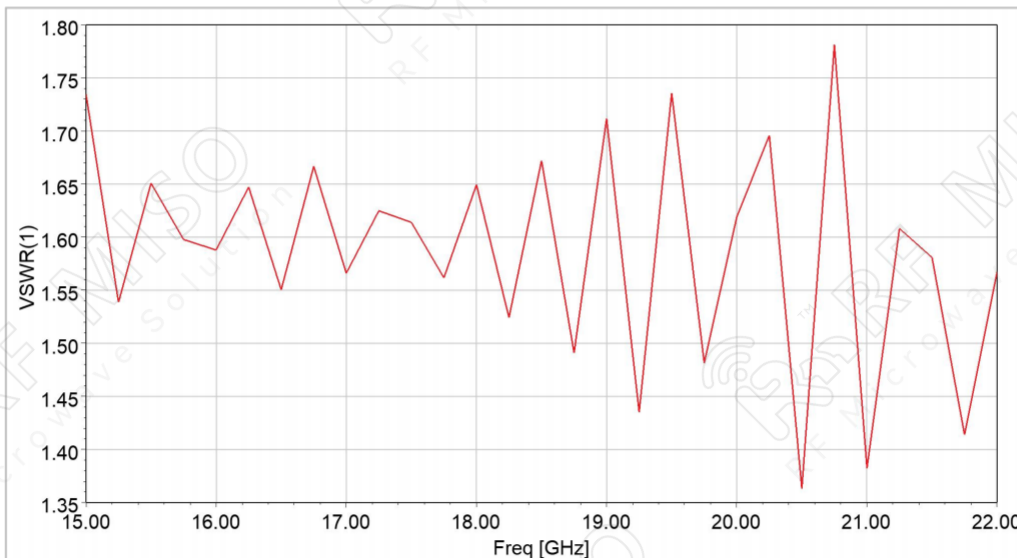
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Mechanical Drawing with Absorber (P/N: RM-WPA51-7A)



Simulated Data

VSWR

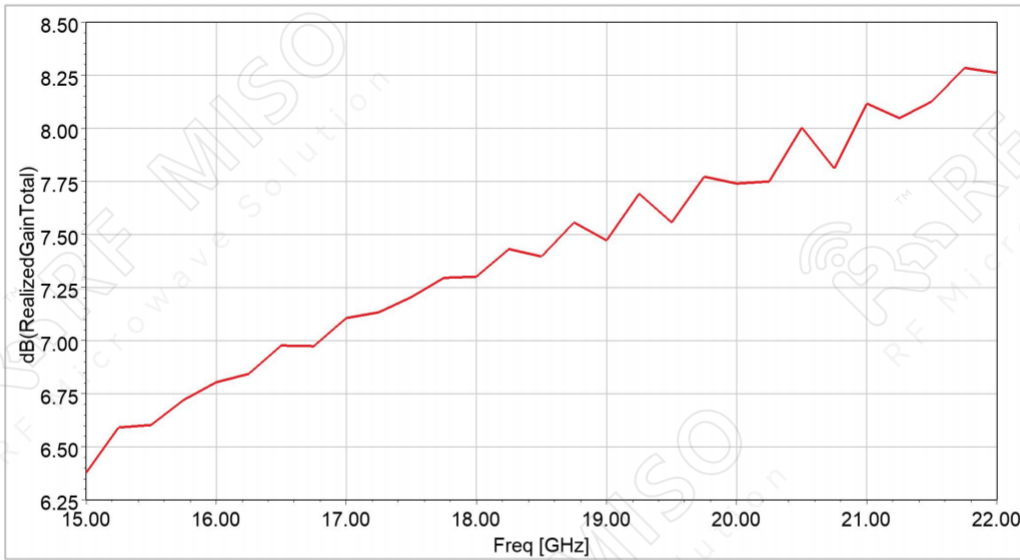


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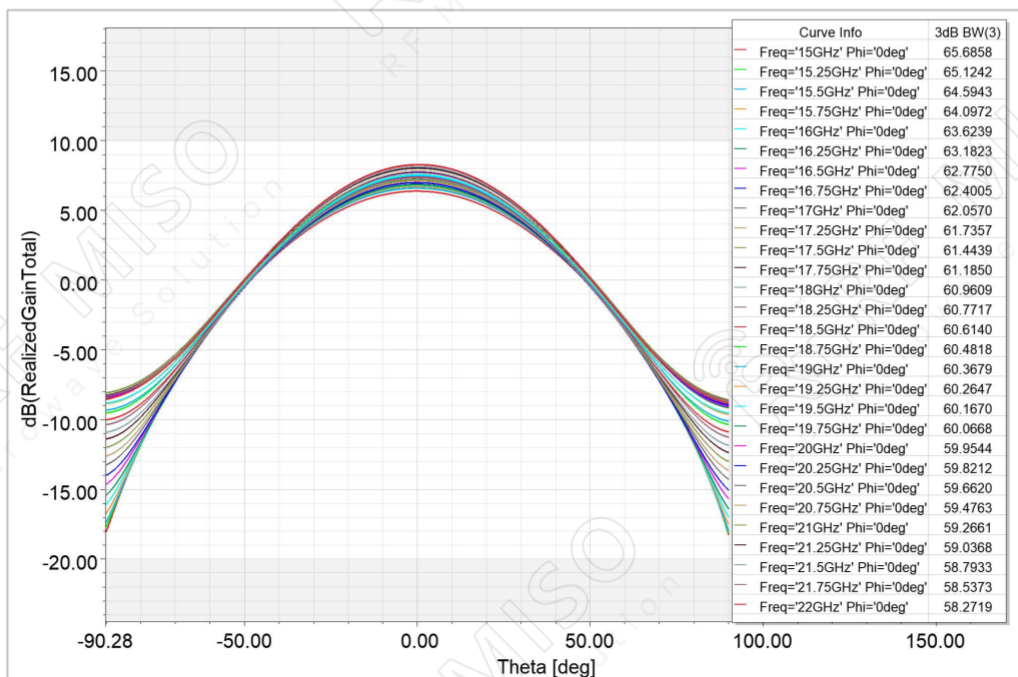
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Gain



Pattern

H-Plane



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E-Plane

