

Airborne Blade Antenna 30 to 512 MHz
Linear polarization

Blade Antenna Data Sheet

RM-ABA30512

Descriptions

RF MISO's **Model RM-ABA30512** is linear polarized blade antenna that operates from 30 to 512 MHz. The antenna offers a typical VSWR 2.5 Typ. with SMA-Female type connector. Primarily applied across various aviation platforms and in select ground tactical scenarios, enabling broadband communication within the VHF/UHF frequency bands.

Specifications

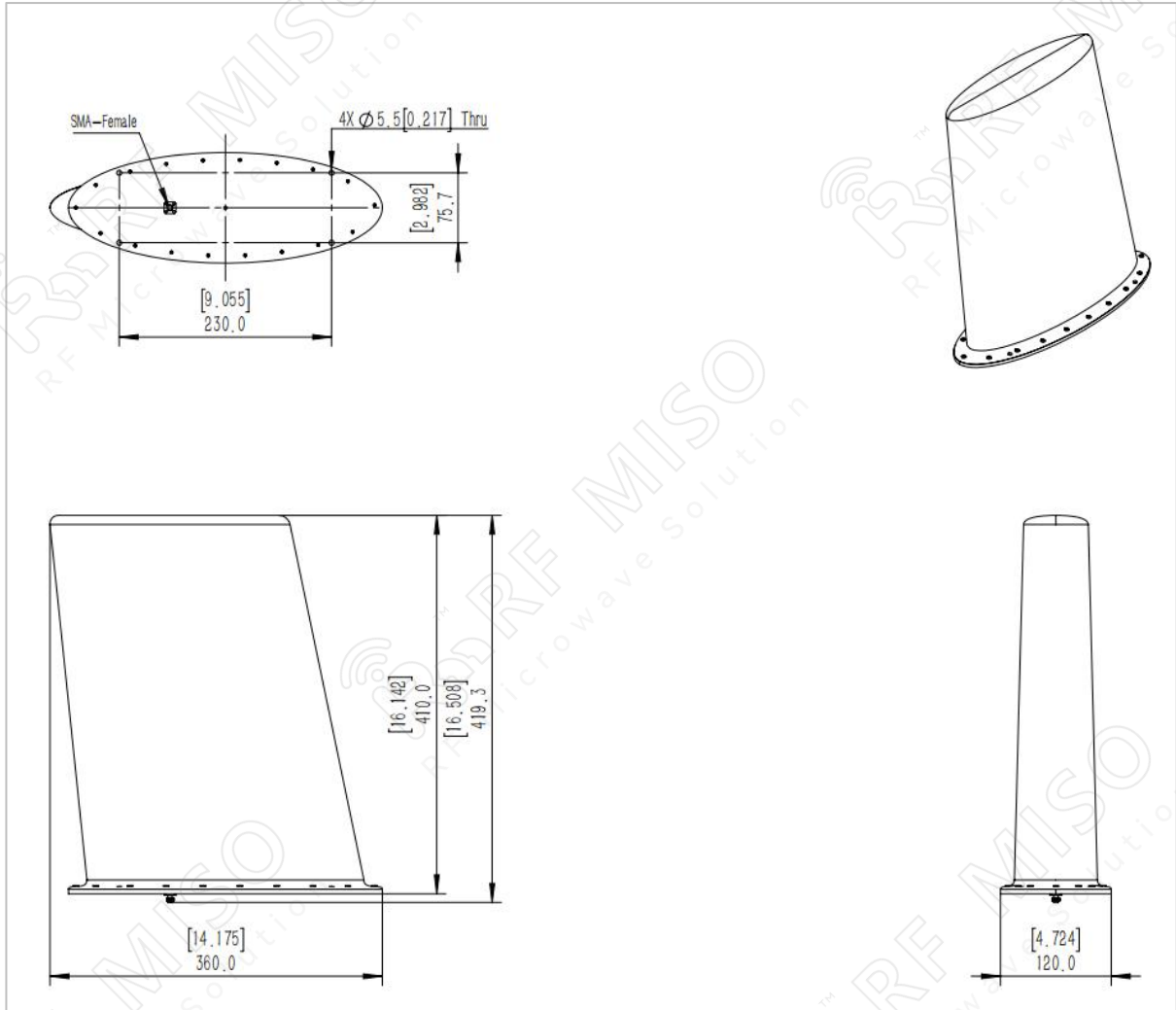
RM-ABA30512		
Parameters	Specifications	Units
Frequency Range	30-512	MHz
VSWR	2.5 Typ.	
Polarization	Linear	
Connector	SMA-Female	
Finishing	Paint Black	
Material	Aluminum Alloy	
Size(L*W*H)	360.0*120.0*419.3 (±5)	mm
Weight	3.289	kg

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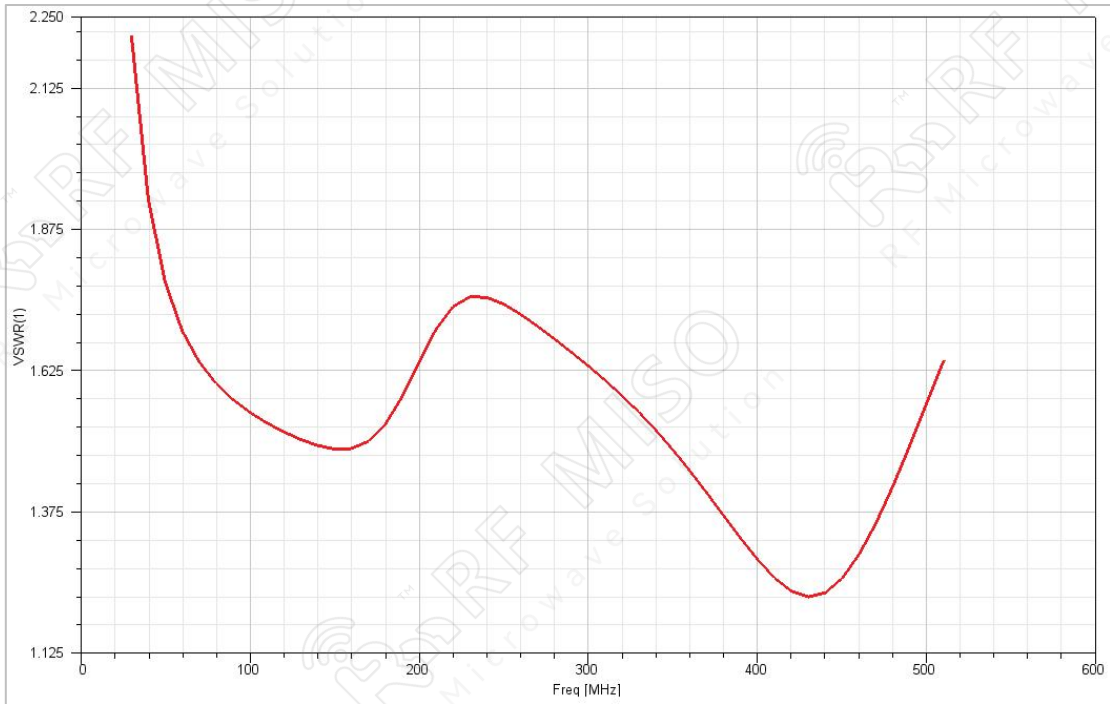
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Outline Drawing

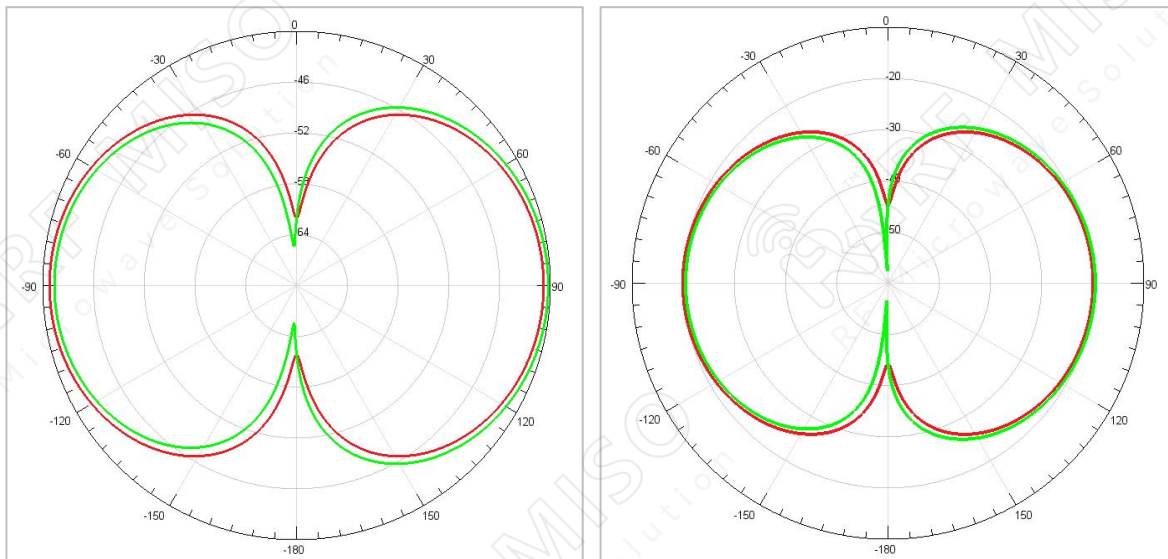


Simulation Result

VSWR



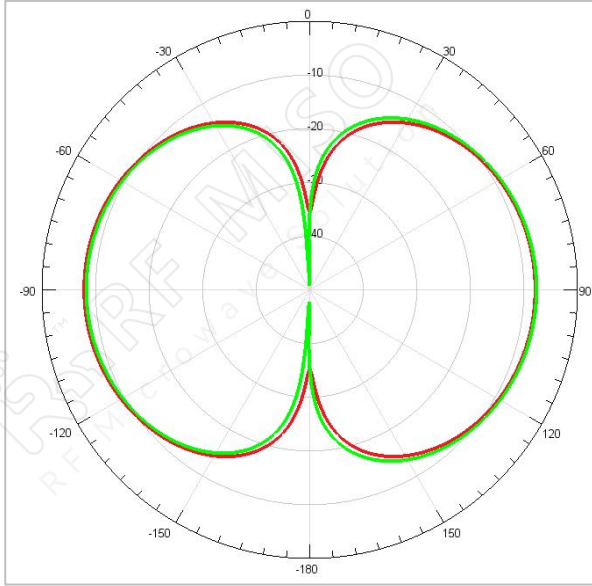
Gain Pattern



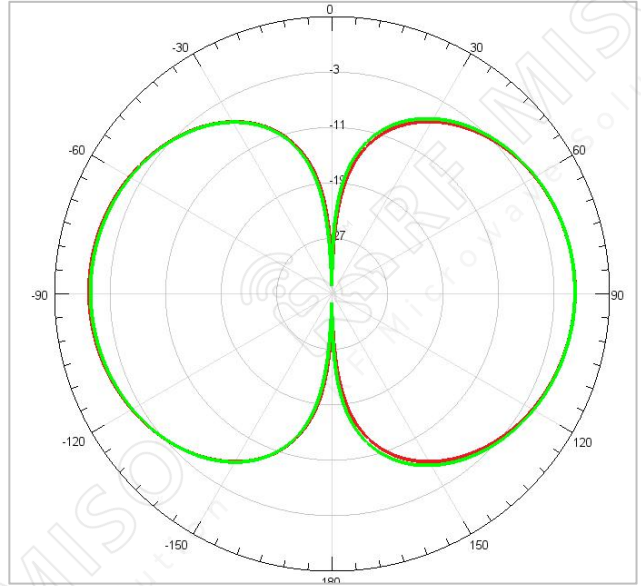
30 MHz

3

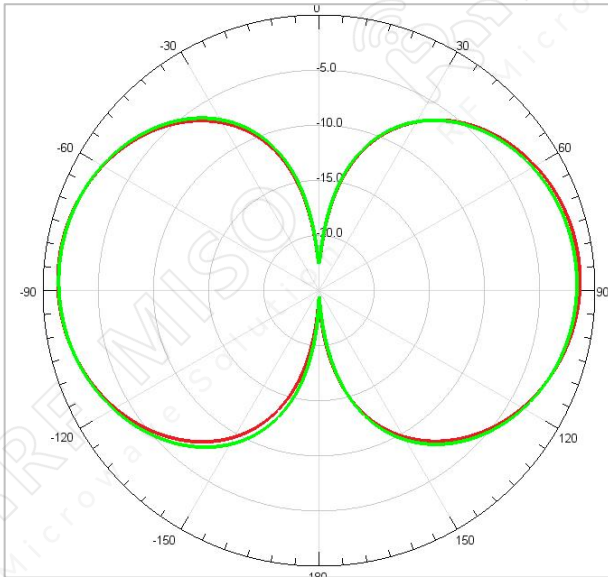
90 MHz



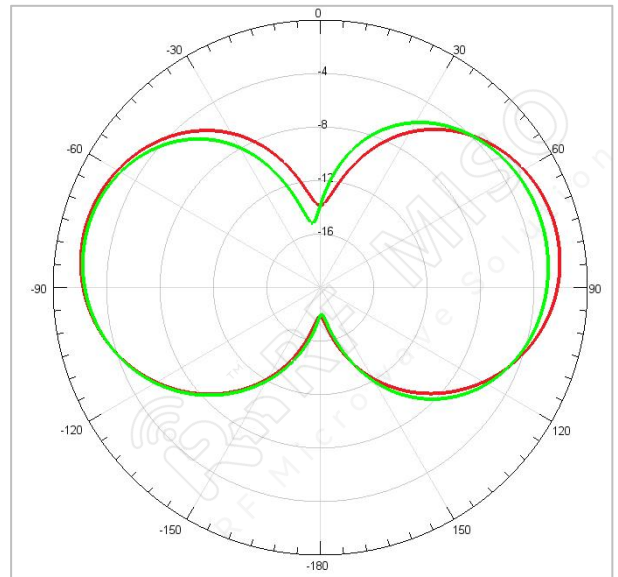
150 MHz



210 MHz



270 MHz

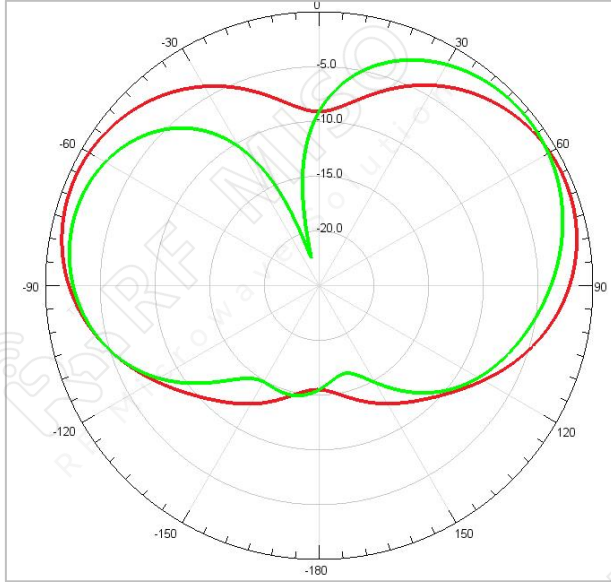


330 MHz

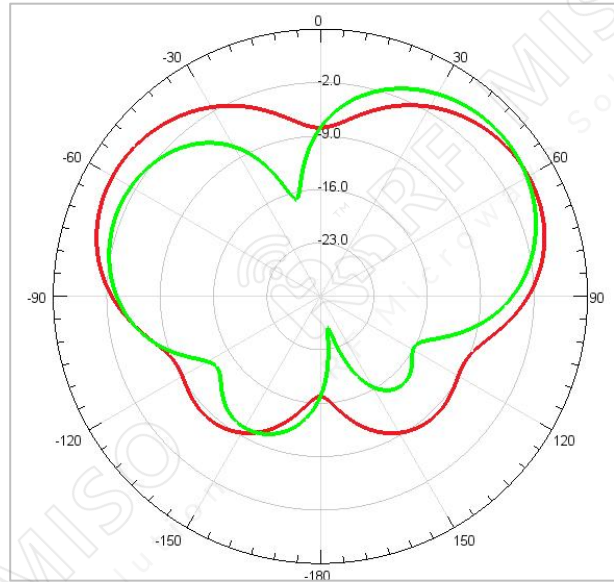
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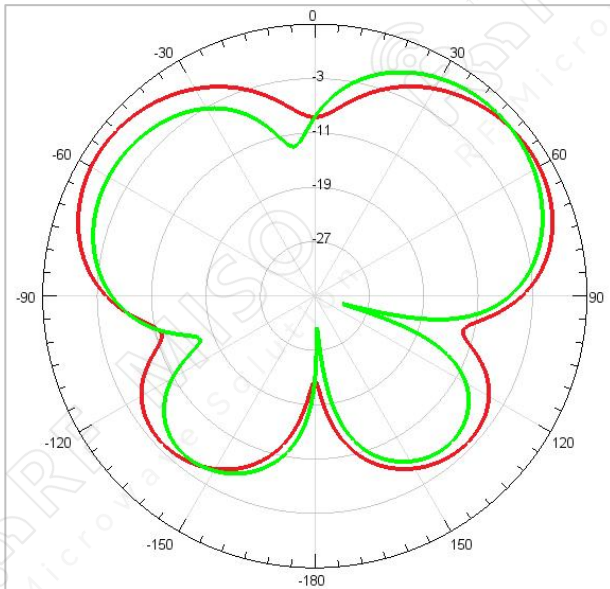
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390 MHz



450 MHz



512 MHz