

Planar Spiral Antenna
2 dBi Typ. Gain, 1-6 GHz Frequency Range

Planar Spiral Antenna Data Sheet

RM-PSA16-2

Features

- Ideal for airborne or ground applications
- Low VSWR
- R-H Circular Polarization

Descriptions

RF MISO's **Model RM-PSA16-2** is a RHCP planar spiral antenna that operates from 1-6 GHz. The antenna offers a gain 2 dBi Typ. and low VSWR 1.5 Typ. with SMA-Female connector. It designed for EMC, reconnaissance, orientation, remote sensing, and flush mounted vehicle applications. These spiral antennas can be used as separate antenna components or as feeders for reflector satellite antennas.

Specifications

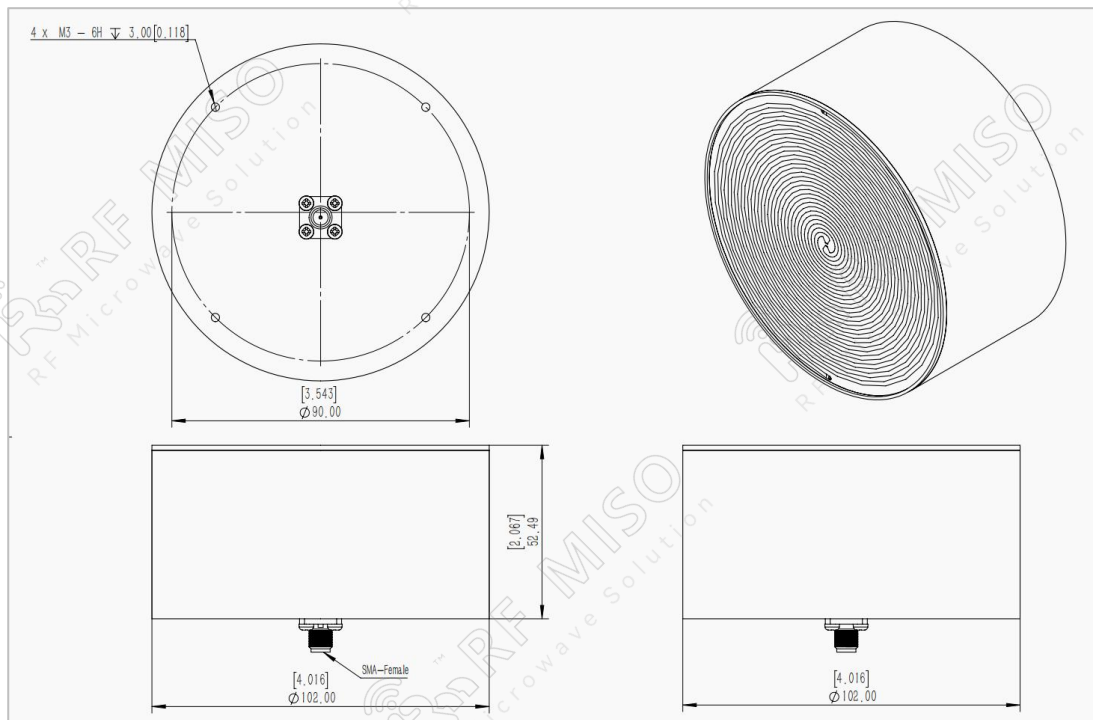
Parameters	Typical		Units
Frequency Range	1-6		GHz
Gain	2 Typ.		dBi
VSWR	1.5 Typ.		
AR	0.5 Typ.		dB
3dB Beamwidth	58.78~96.51		°
Polarization	R-H Circular Polarization		
Connector	SMA-Female		
Material	Al		
Finishing	Paint Black		
Size(L*W*H)	Ø102*52.49(±5)		mm
Weight	0.222		kg
Power Handling	CW:20	Peak:100	W
Antenna Cover	Yes		
Waterproof	Yes		

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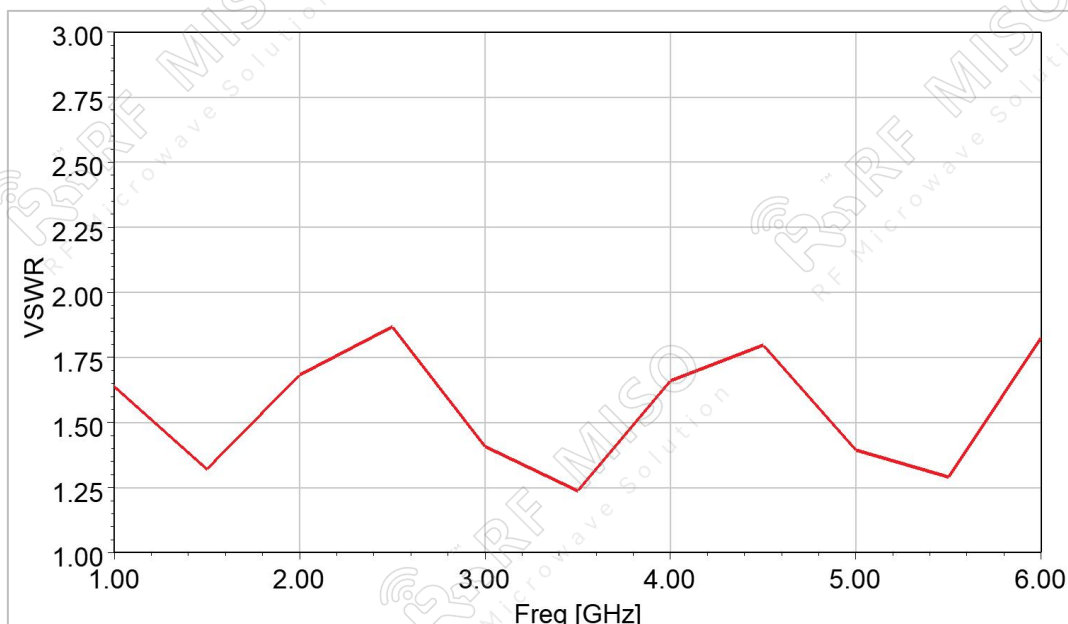
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Outline Drawing



Simulation Data

VSWR

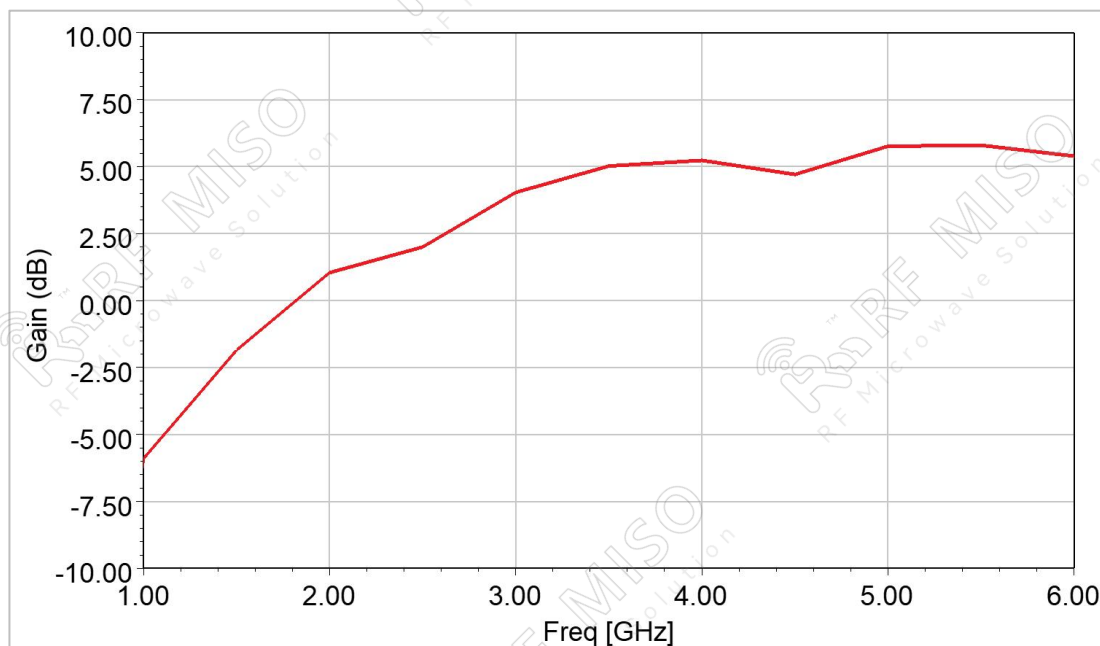


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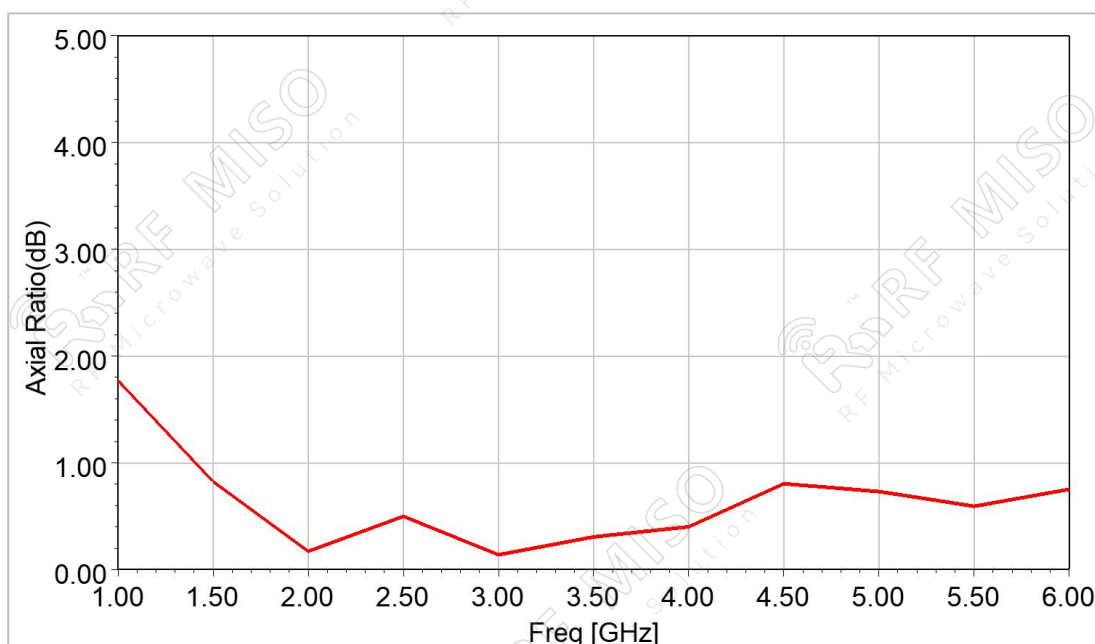
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Gain



AR

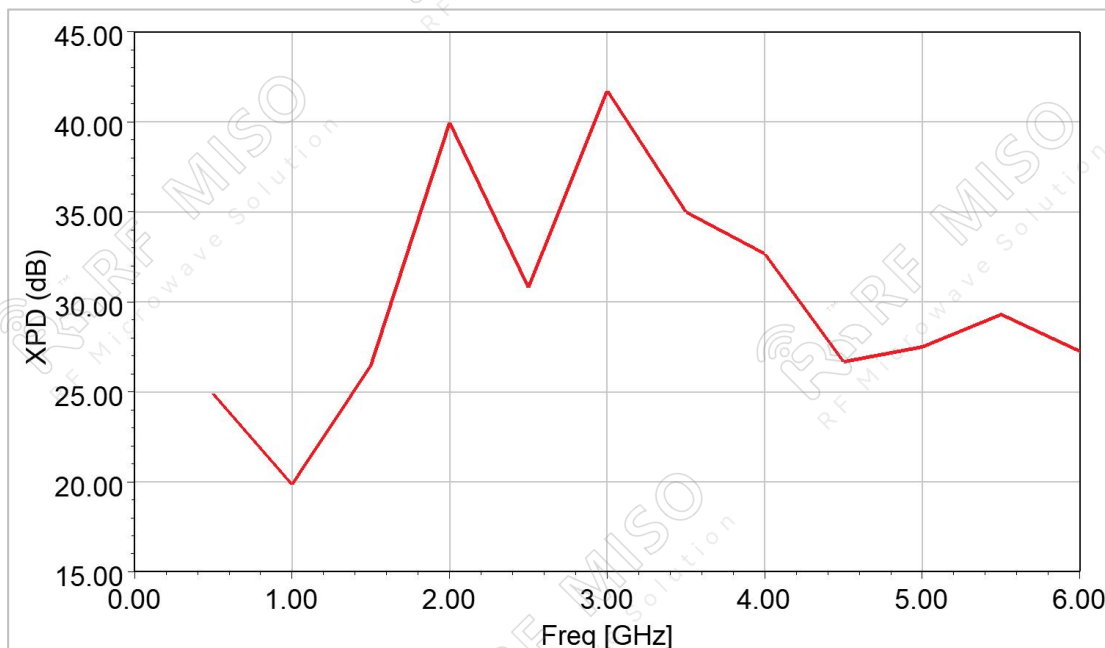


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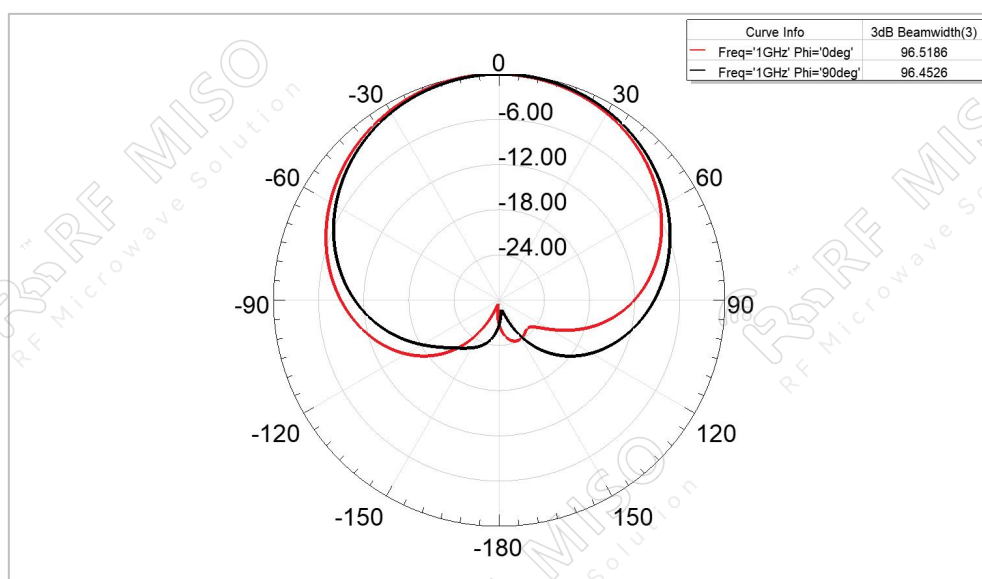
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XPD



Patterns

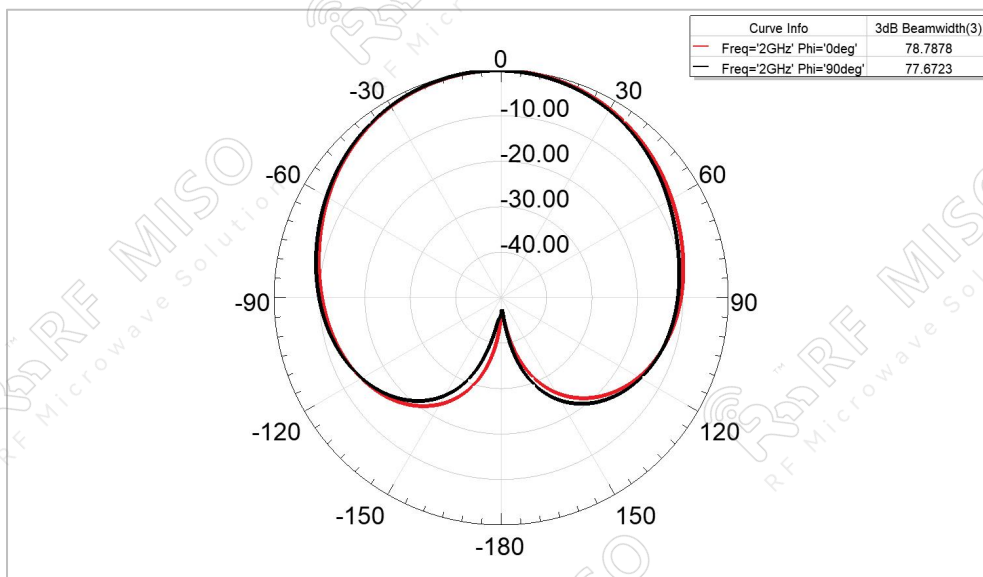


1GHz

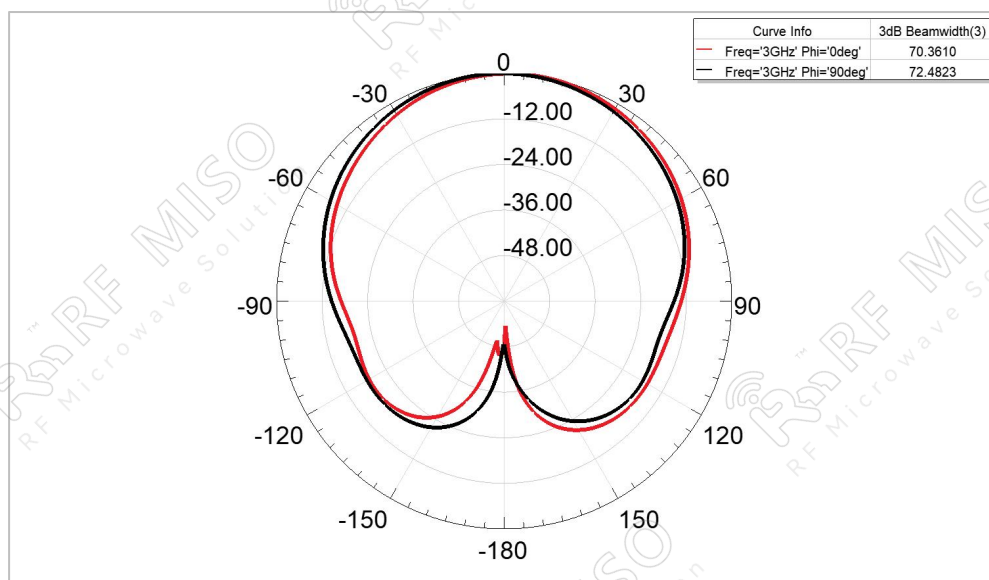
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2GHz

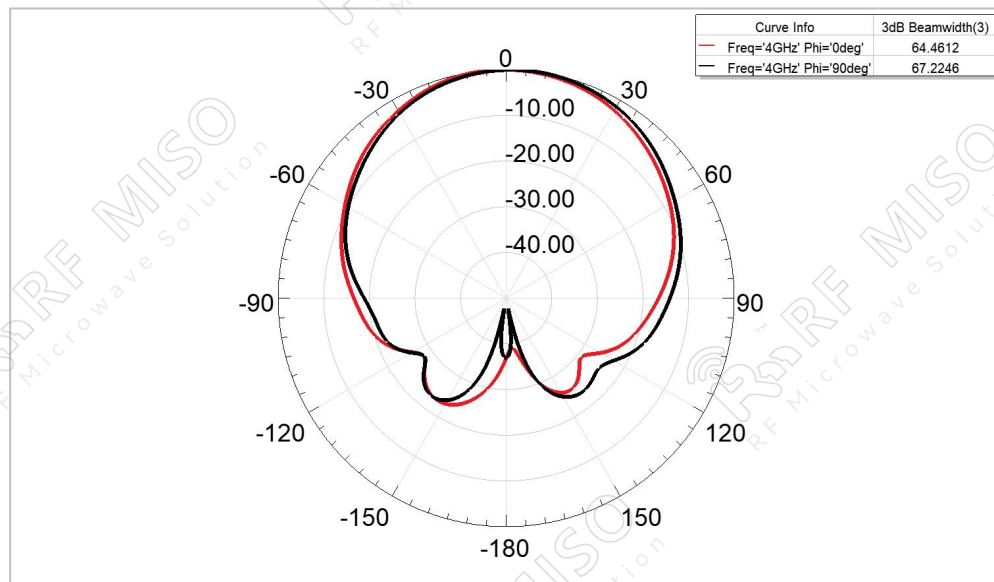


3GHz

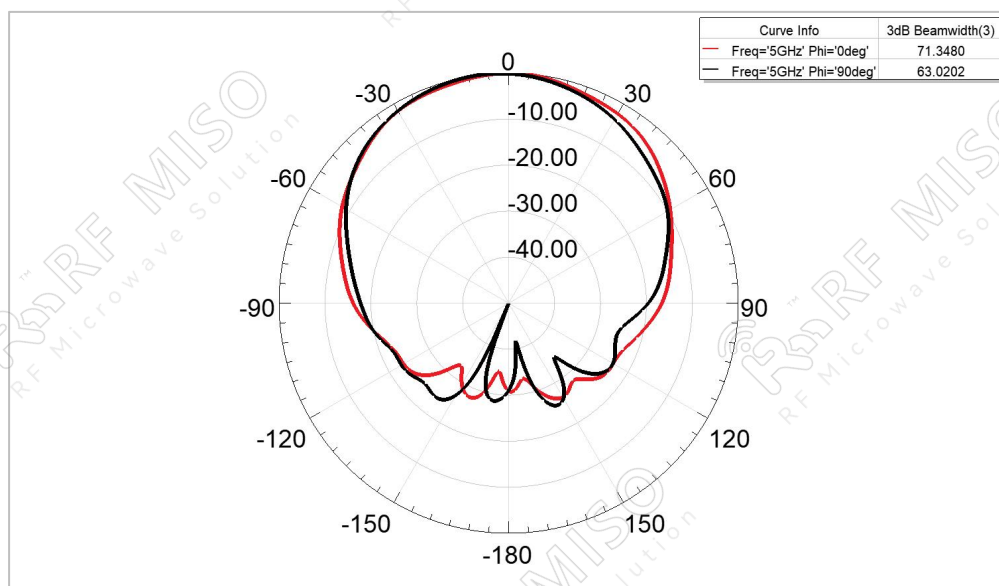
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4GHz

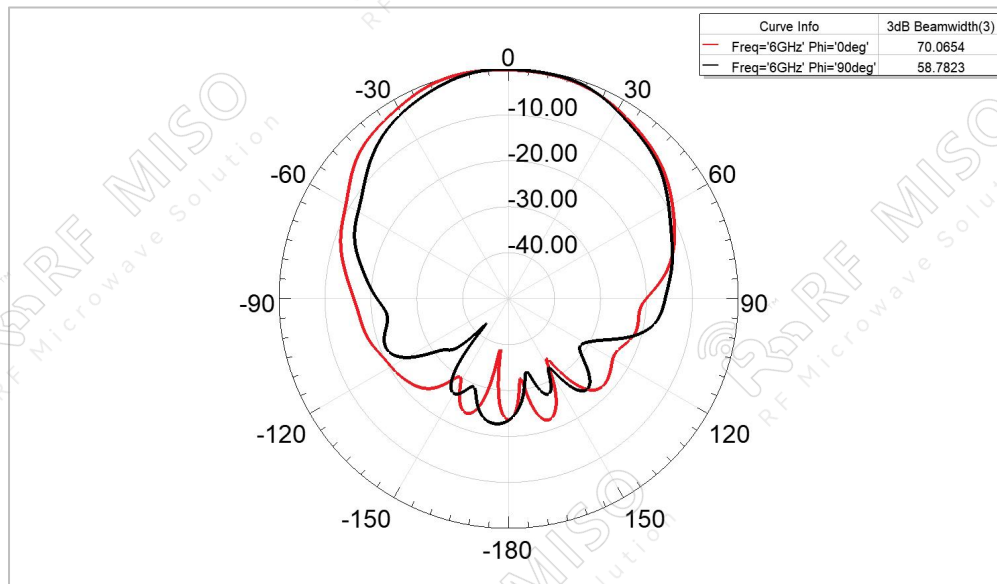


5GHz

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6GHz