

5G/4G External Whip Antenna

AEACAC198013-S5GNR



198.0 x 13.0 mm
RoHS/RoHS II Compliant
MSL = Not Applicable

Features

- 698-960/1710-2690/3300-3800 MHz
- Includes 5G NR, CBRS, Private LTE Bands
- Support cellular 4G/LTE/3G bands
- Gain of 3 dBi
- Linear Polarization
- SMA Connector Mount

Applications

- 5G
- 4G/LTE
- IoT
- LTE radios
- Gateways & Routers
- Set-Top Boxes
- Security
- Smart Metering
- Vending Machines
- Smart Home

Electrical Specifications

Parameters	Min.	Typ.	Max.	Units	Notes
Operating Frequency Range	698		960	MHz	
	1710		2690		
	3300		3800		
VSWR			3.5		
Gain		3		dBi	
Impedance		50		Ω	
Polarization		Linear			

Mechanical Specification

Parameters	Description	Notes
Mounting Method	Connector	
Connector Type	SMA Male	

Environmental Specification

Parameters	Description
Operating Temperature	-40°C to +85°C
Vibration	10 ~ 55 Hz with 1.5 mm amplitude 2 hr

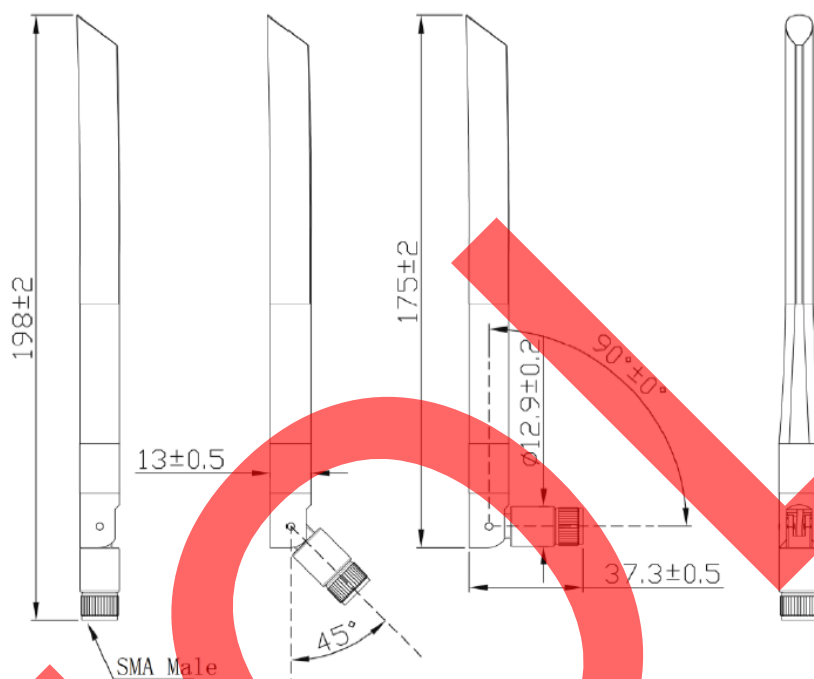
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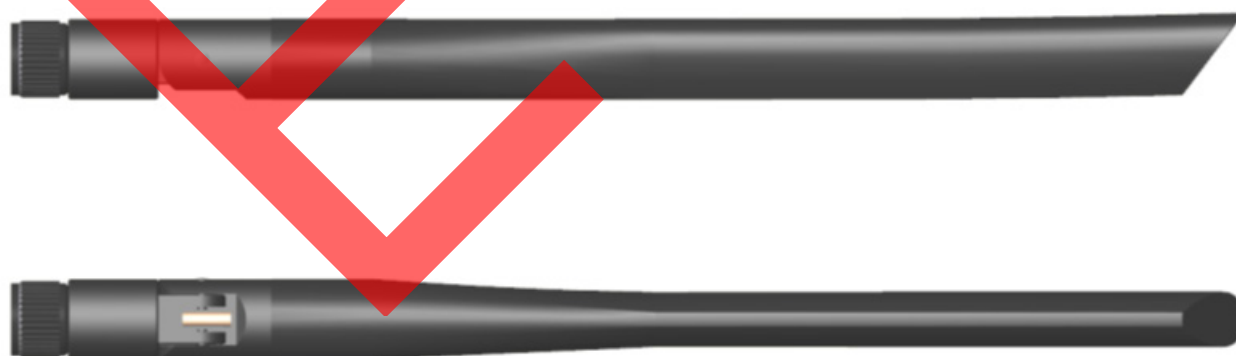


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Product Dimensions



Dimensions: mm



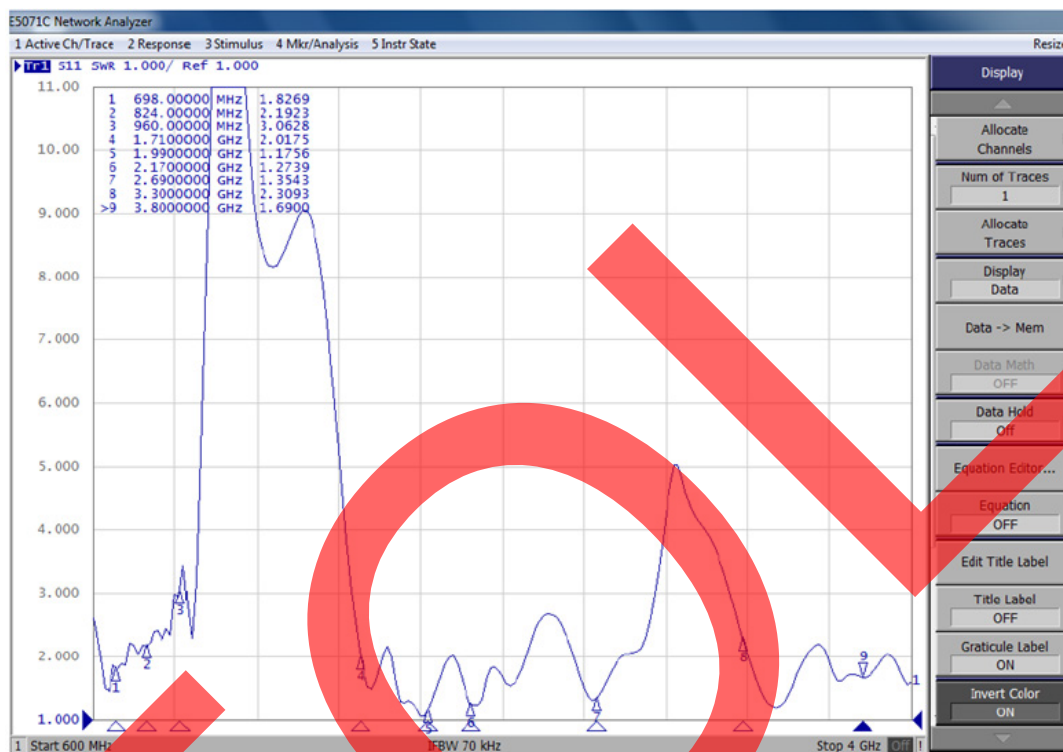
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VSWR



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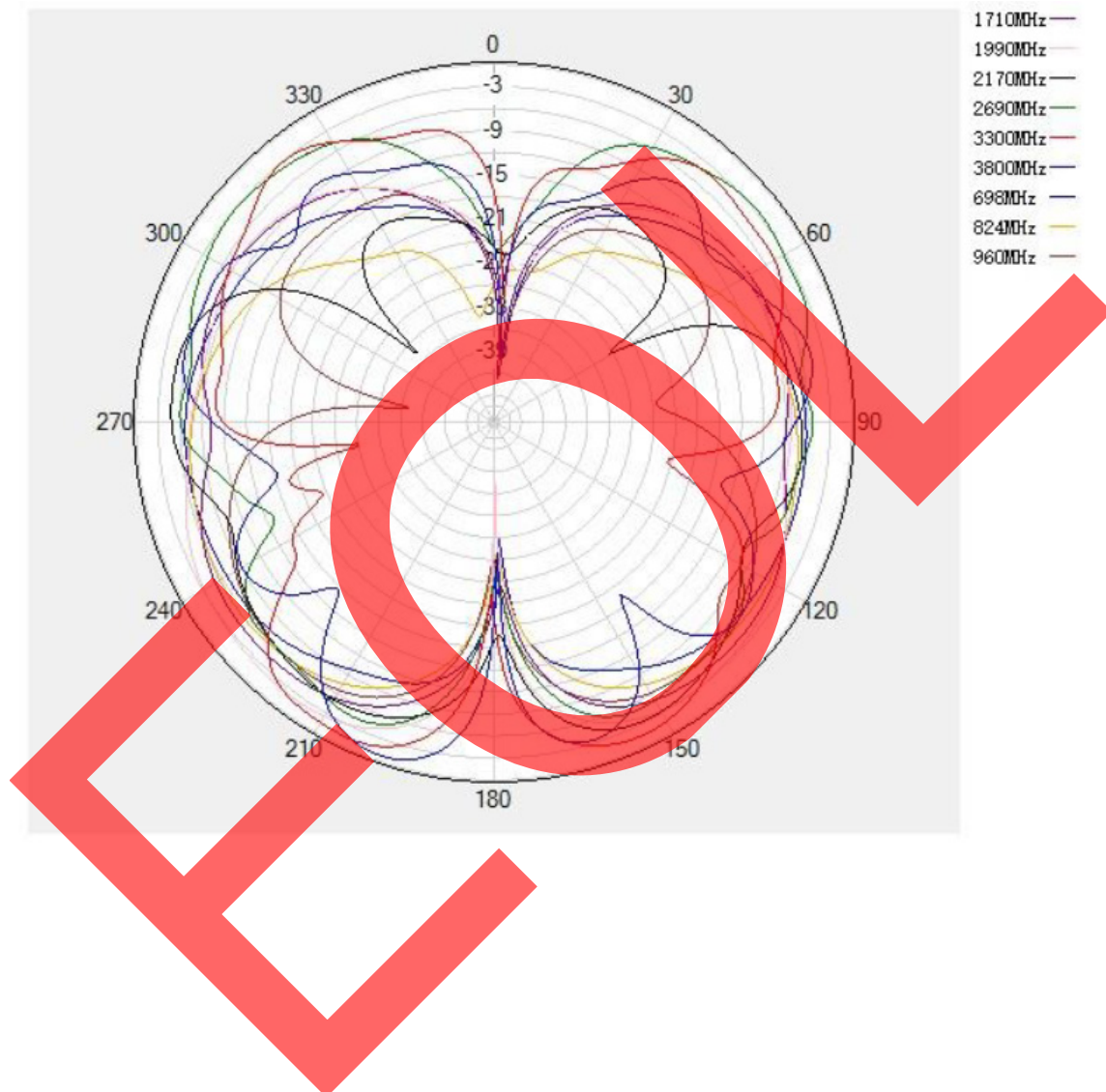
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Radiation Pattern

2D Pattern
XY - Plane



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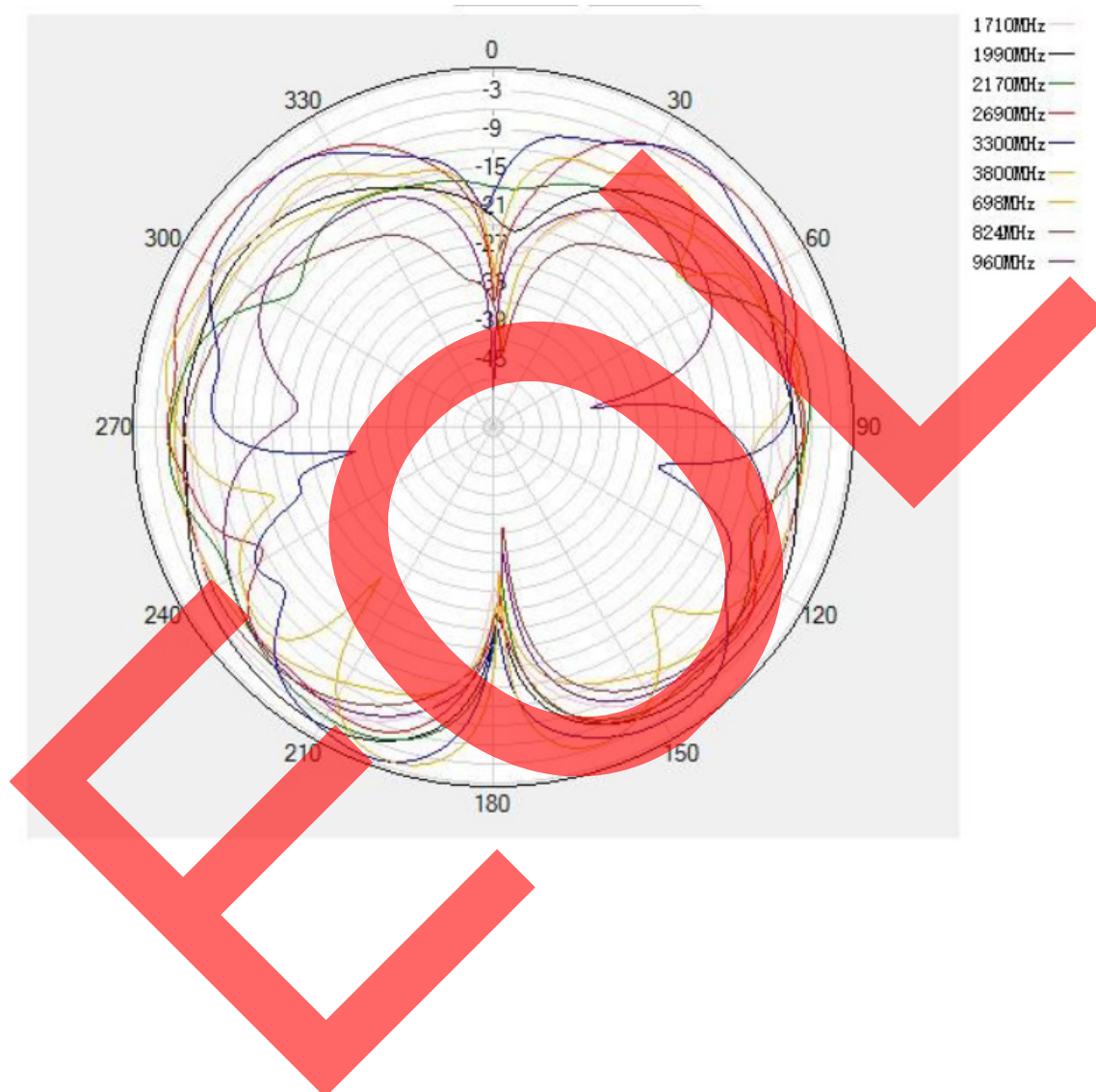
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Radiation Pattern

2D Pattern
XZ - Plane



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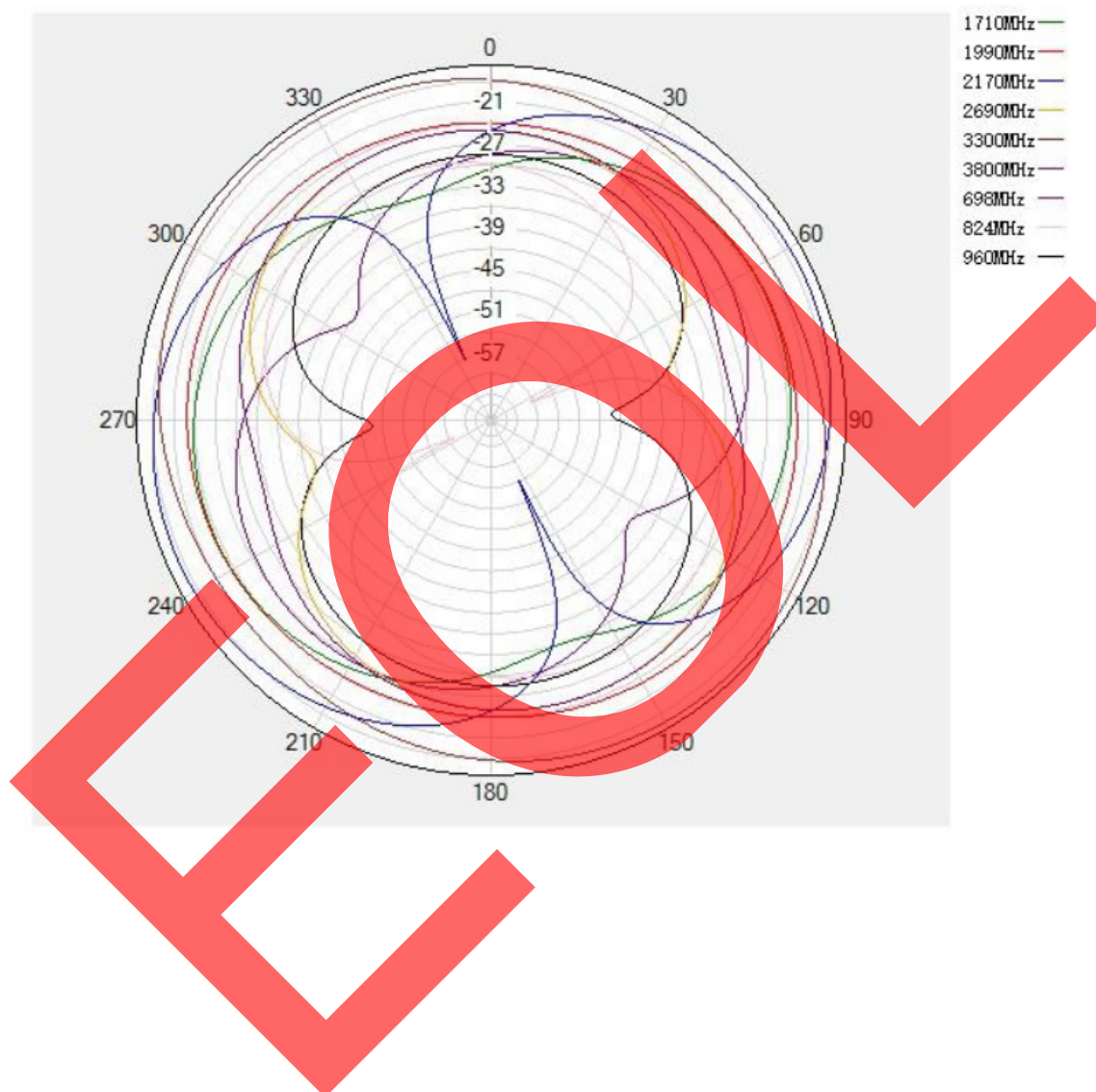
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Radiation Pattern

2D Pattern
YZ - Plane



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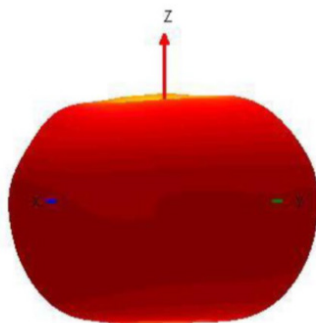
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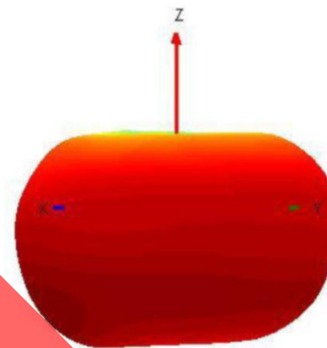
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3D Pattern

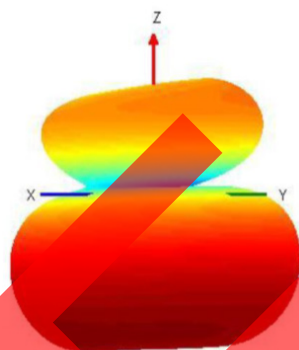
698 MHz



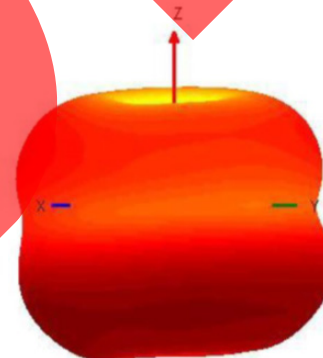
824 MHz



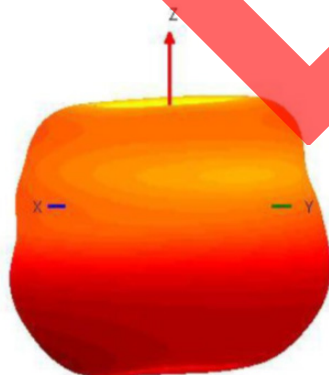
960 MHz



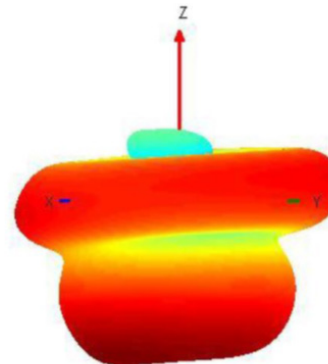
1710 MHz



1990 MHz



2170 MHz



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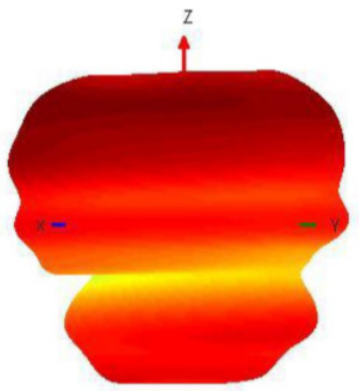
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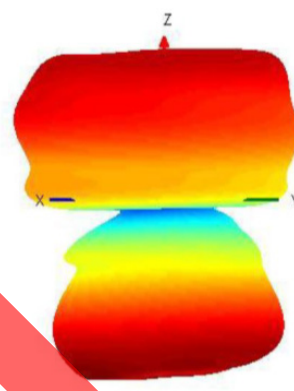
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3D Pattern

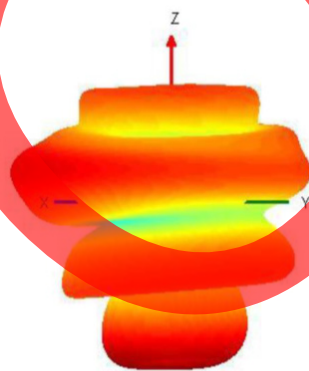
2690 MHz



3300 MHz



3800 MHz



Frequency	Efficiency	Gain (dBi)
698	0.65	2.94
824	0.61	3.04
960	0.58	2.9
1710	0.59	-0.4
1990	0.61	2.38
2170	0.62	2.47
2690	0.59	1.6
3300	0.58	0.19
3800	0.58	0.62

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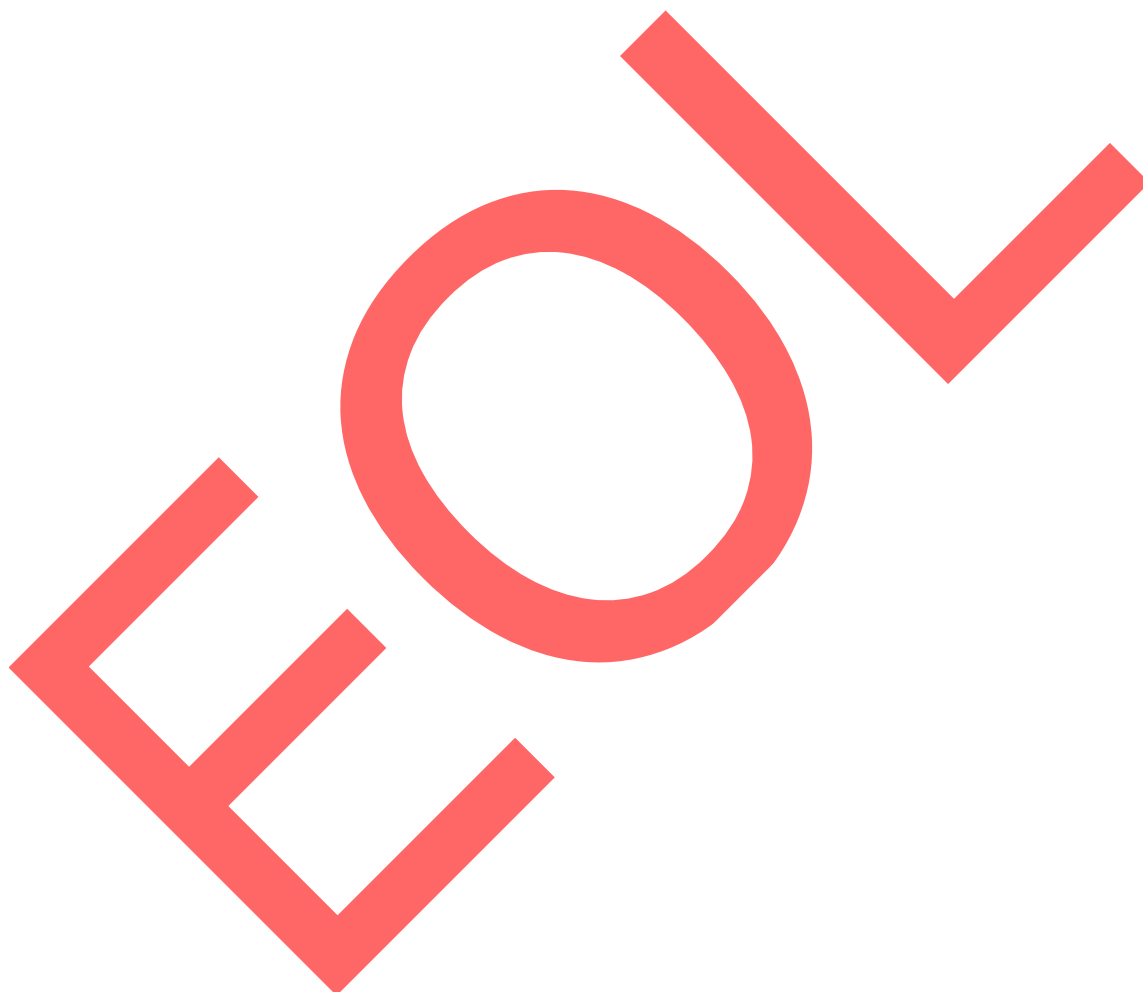
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Packaging

A carton holds 500 pcs of antenna. Each carton is 49.5 x 22 x 27 cm and weighs 13 kg.



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