

CELLULAR 5G FIBERGLASS WHIP ANTENNA

AANE-WH-0005-SS

Features

- Wide band support 698 MHz ~ 5 GHz
- Peak Gain: 3.6 dBi
- Efficiency: up to 86%
- IP67 waterproof
- N plug (Male) or N plug (Female) connector
- RoHS Complaint

Applications

- CBRS and 5G bands supported
- LTE-M, Cat M, Cat M1, NB-IoT
- LTE CAT 1 up to CAT 20 supported
- Networking & Telecommunication

Product Image



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Electrical Specification

Parameter	Specification			Unit
Operating Frequency	698-960	1710-2690	3300-5000	MHz
VSWR (Typ.)	< 2.0			
Peak Gain	2.1	3.6	3.6	dBi
Efficiency (Maximum)	68	86	76	%
Impedance	50			Ω
Polarization	Linear			
Radiation Pattern (Azimuth)	Omni-directional			
Input Power (Ambient 25°C)	50			W

Mechanical Specification

Parameter	Specification
Dimensions	300 x \varnothing 22 mm
Material	Fiberglass
IP Rating	IP67
RF Connector	N-type (Female)
Weight	122 g

Environmental Specification

Parameter	Specification
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
IP Rating	IP67
RoHS Complaint	Yes

Ordering Information

Part Number	Description	Connector Option
AANE-WH-0005-SS	CELLULAR 5G FIBERGLASS WHIP ANTENNA with N-Type (M) connector	N-Type (M)
AANE-WH-0005-SA	CELLULAR 5G FIBERGLASS WHIP ANTENNA with N-Type (F) connector	N-Type (F)



5101 Hidden Creek Ln Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8858
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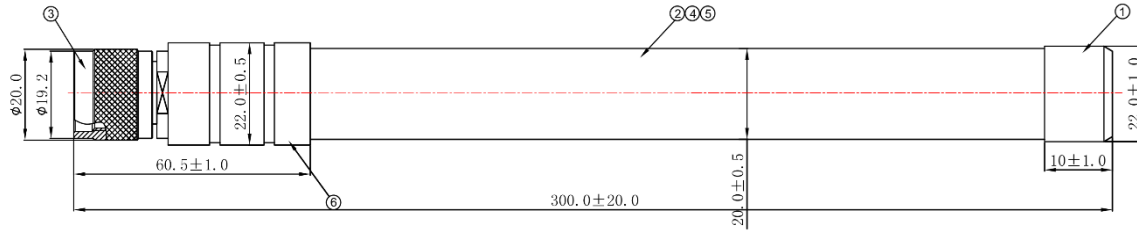
REVISED: 09-07-23

ABRACON IS
ISO9001-2015
CERTIFIED

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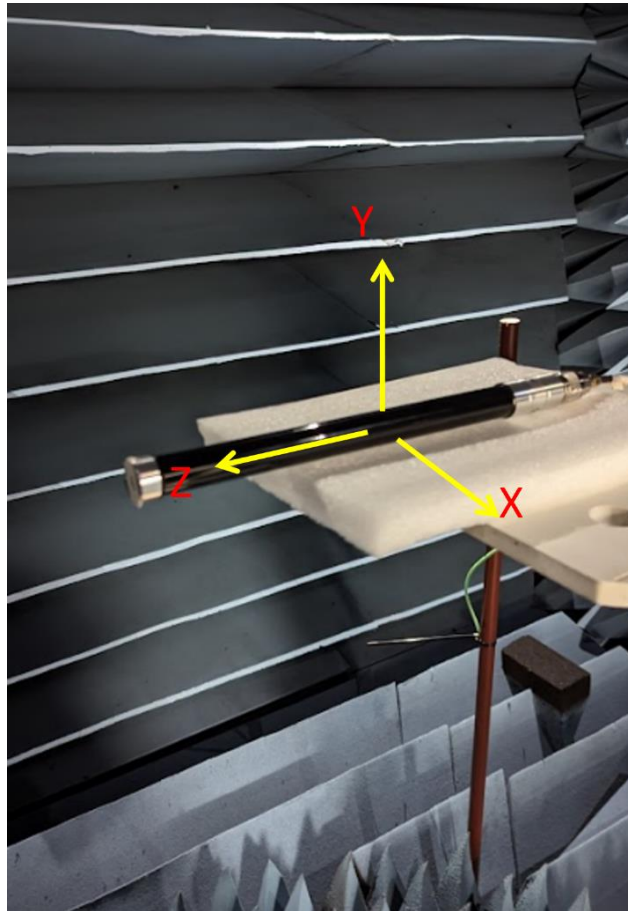
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Product Dimension



Unit : mm

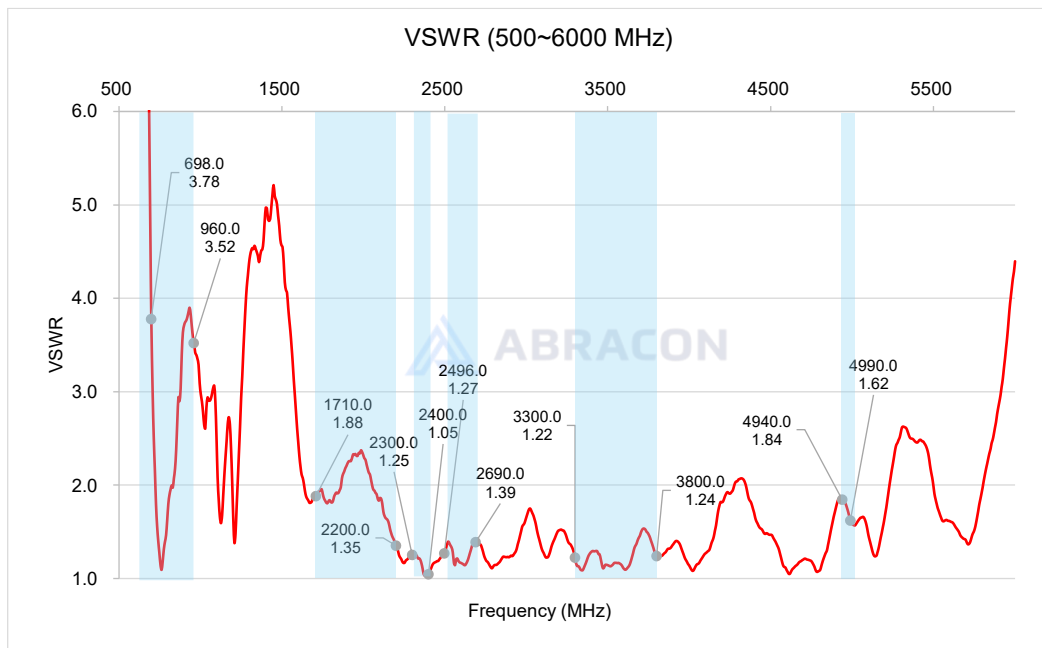
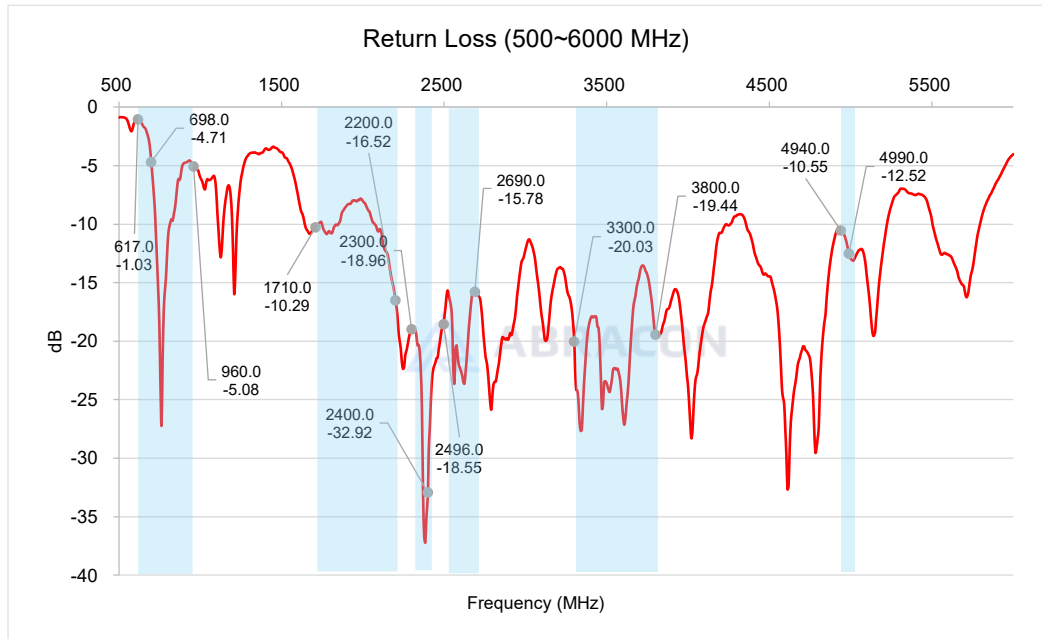
Measurement Setup photo



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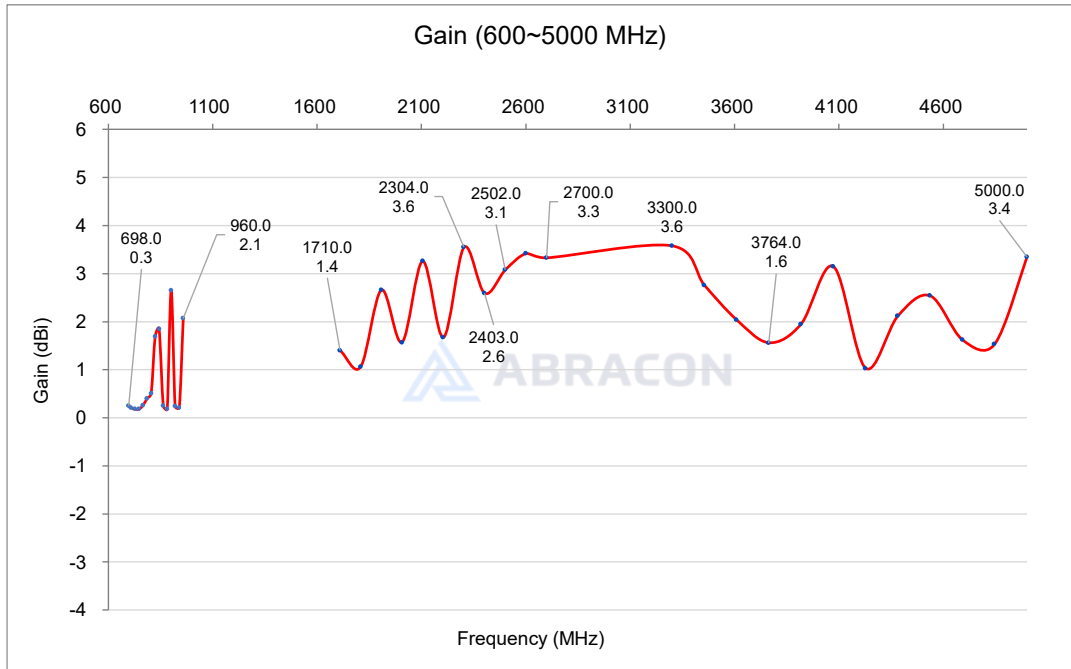
Reflection Characteristics –Return Loss & VSWR



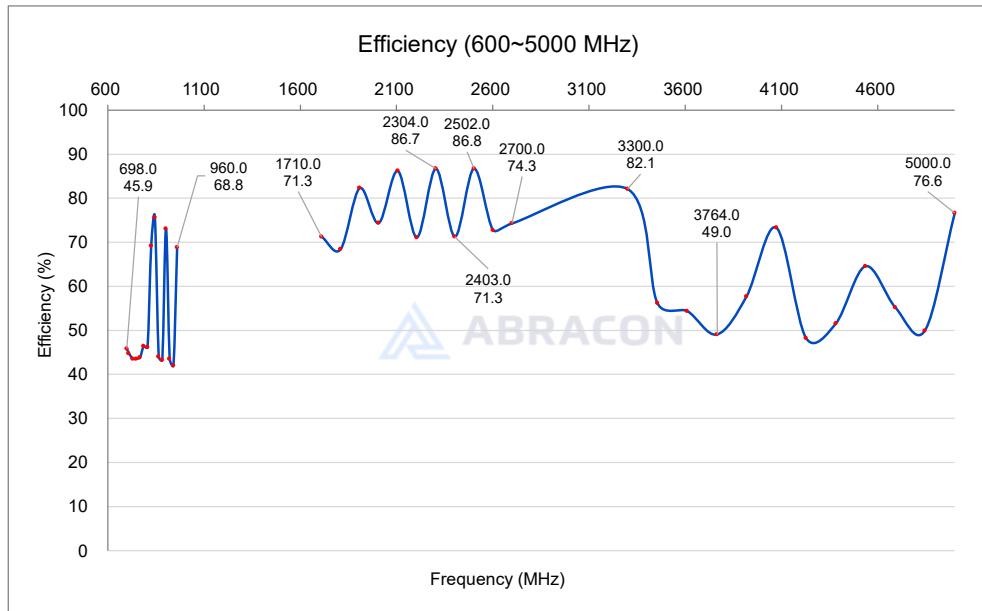
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Radiation Characteristics – Peak Gain



Radiation Characteristics – Total Efficiency (%)

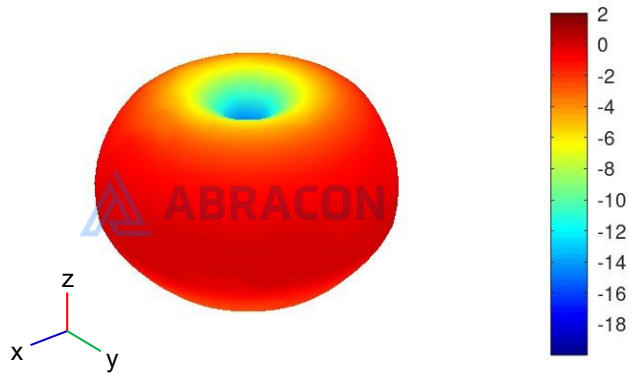


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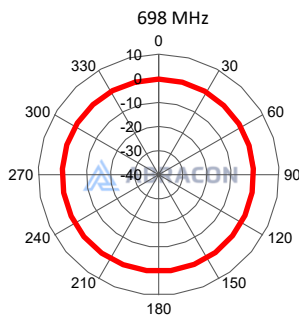
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Radiation Characteristics – 3D & 2D Pattern

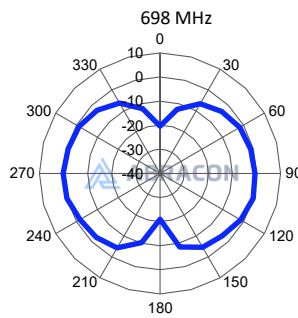
698MHz



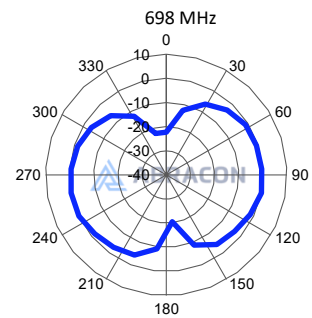
XY plane



XZ plane



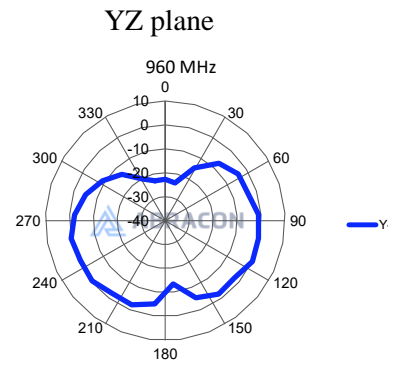
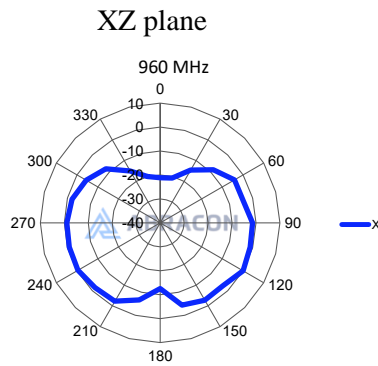
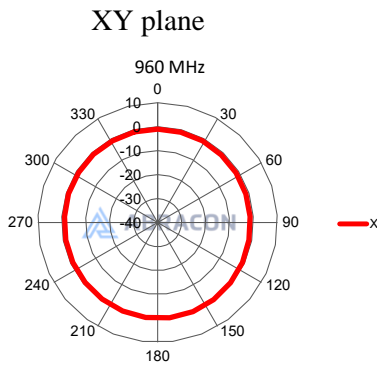
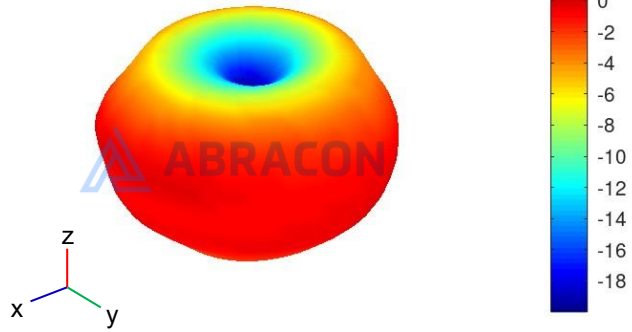
YZ plane



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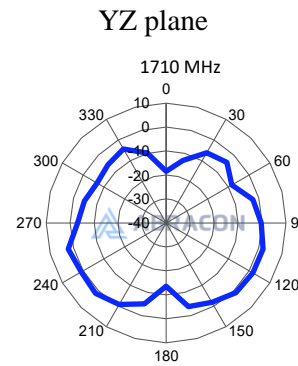
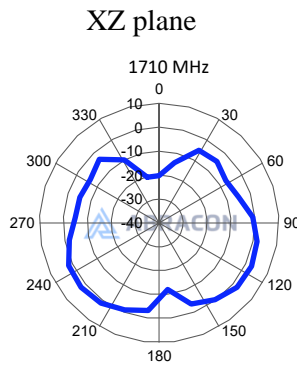
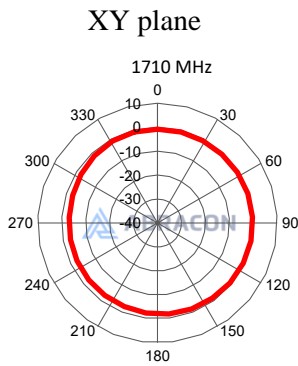
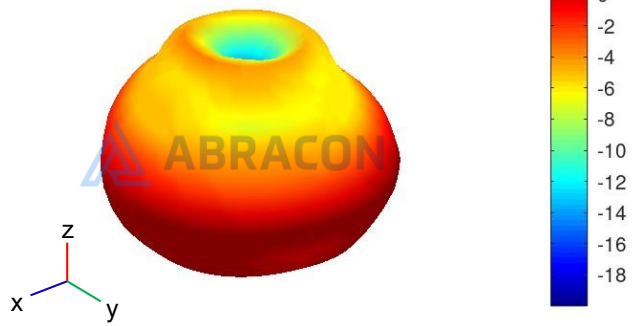
960MHz



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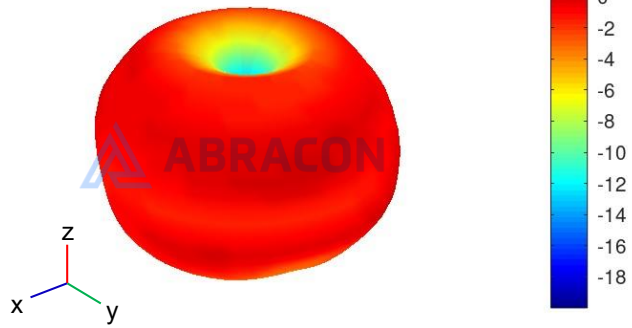
1710MHz



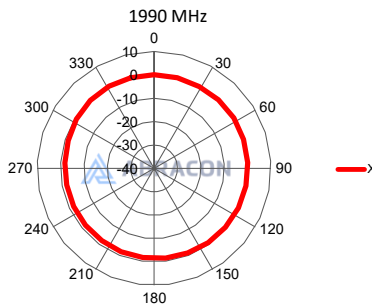
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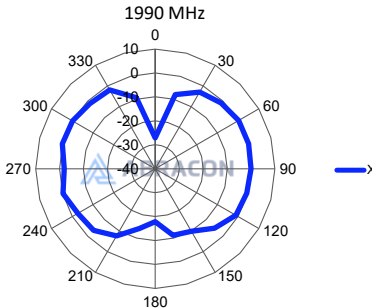
1990MHz



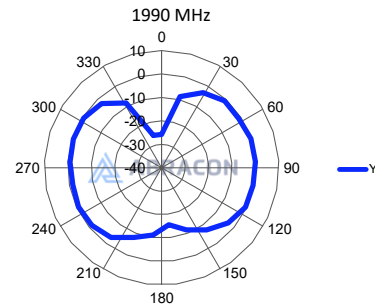
XY plane



XZ plane



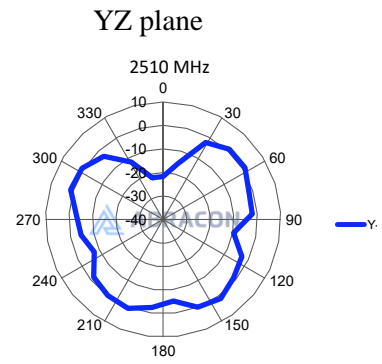
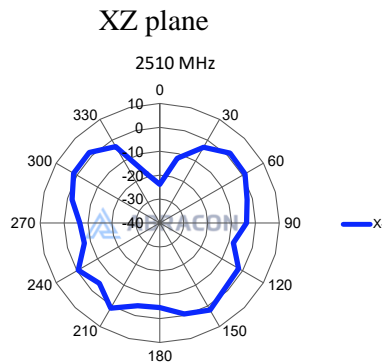
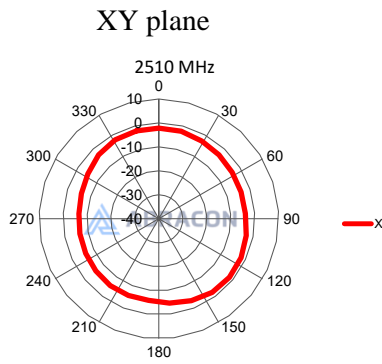
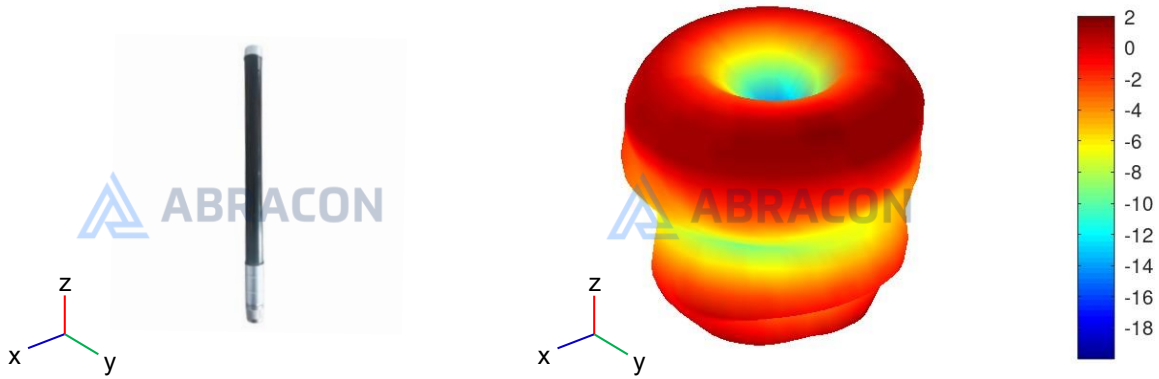
YZ plane



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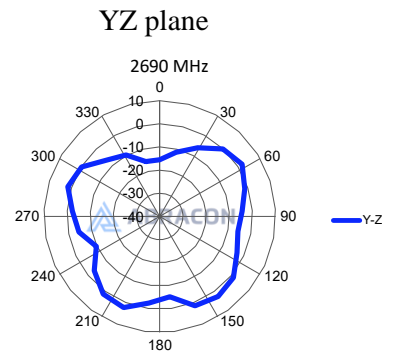
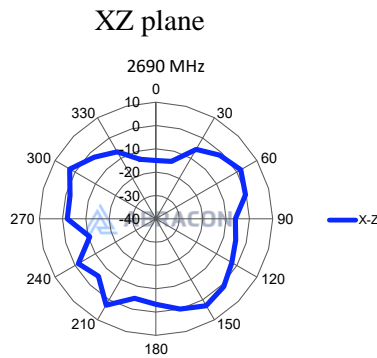
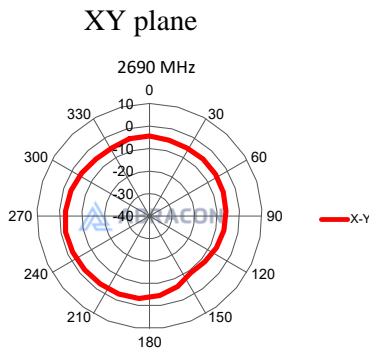
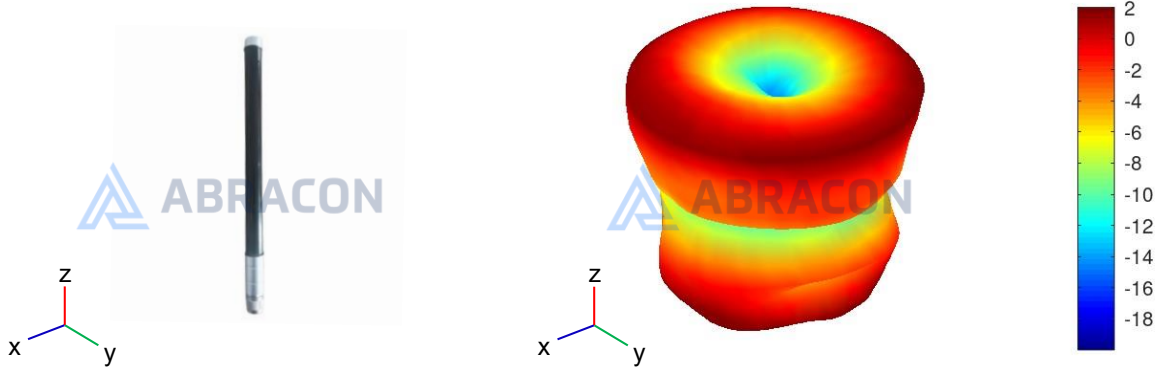
2510MHz



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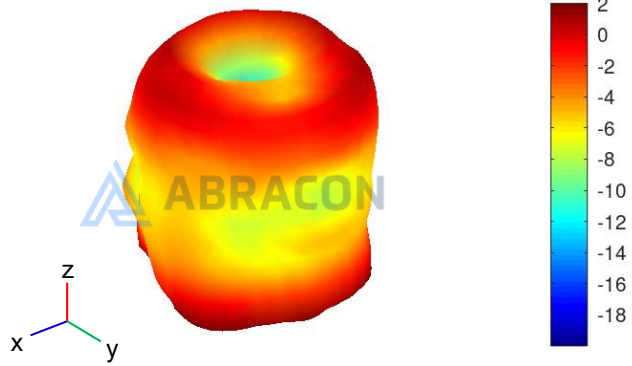
2690MHz



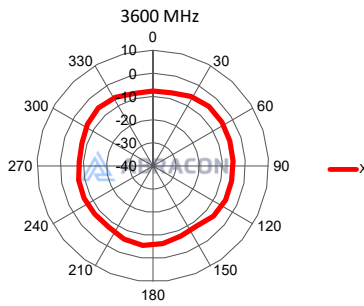
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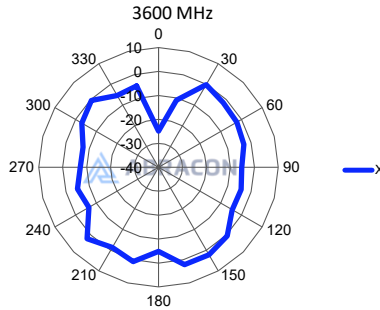
3600MHz



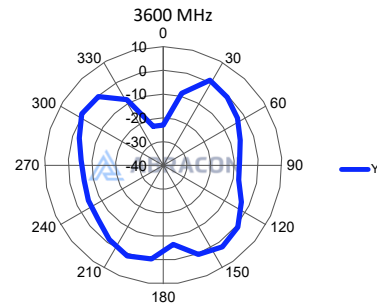
XY plane



XZ plane



YZ plane



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Packaging

Number of antennas / bags: 1pcs

Total antennas / carton: 50 pcs

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