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PulseLARSEN Antennas

TECHNICAL DATA SHEET

Description: GNSS FPC Antenna

Series: Gemini

PART NUMBER: W3908B0100



Features:

- FPC Antenna with feed
- 1560-1610MHz
- Linear polarization
- Radiator size 20x26.80mm
- Gain 0.3dBi

Applications:

- GNSS receivers
- Beidou, GPS, Galileo, Glonass
- Tracking, Location based services, security, transportation
- IoT

All dimensions are in mm / inches

Issue: 1723

RoHS COMPLIANT

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ELECTRICAL SPECIFICATIONS

Frequency	1560-1610MHz
Nominal Impedance	50 Ω
Return Loss	-10dB
Radiation Pattern	Omni
Peak Gain	0.27dBi
Efficiency	33.6%
Polarization	Linear
Power Withstanding	3W

MECHANICAL SPECIFICATIONS

Overall Length	120mm
Weight	0.62g
Antenna Color / Material	FPC
Connector type	U.FL
Cable type	1.13mm
Cable length	93mm

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40~+85° C
Storage Temperature	-40~+85° C
RoHS Compliant	Yes

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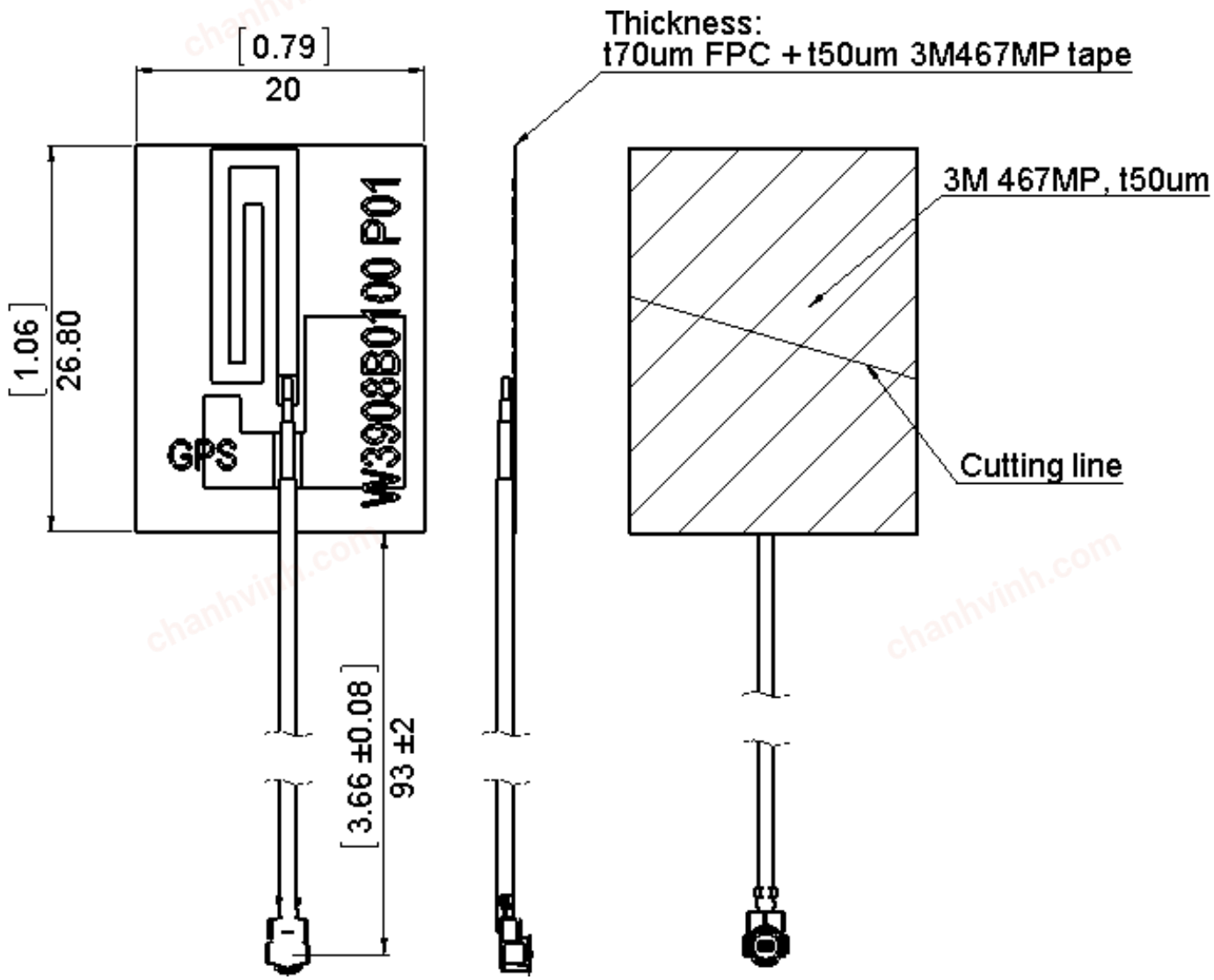
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MECHANICAL DRAWING



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CHARTS

Return Loss



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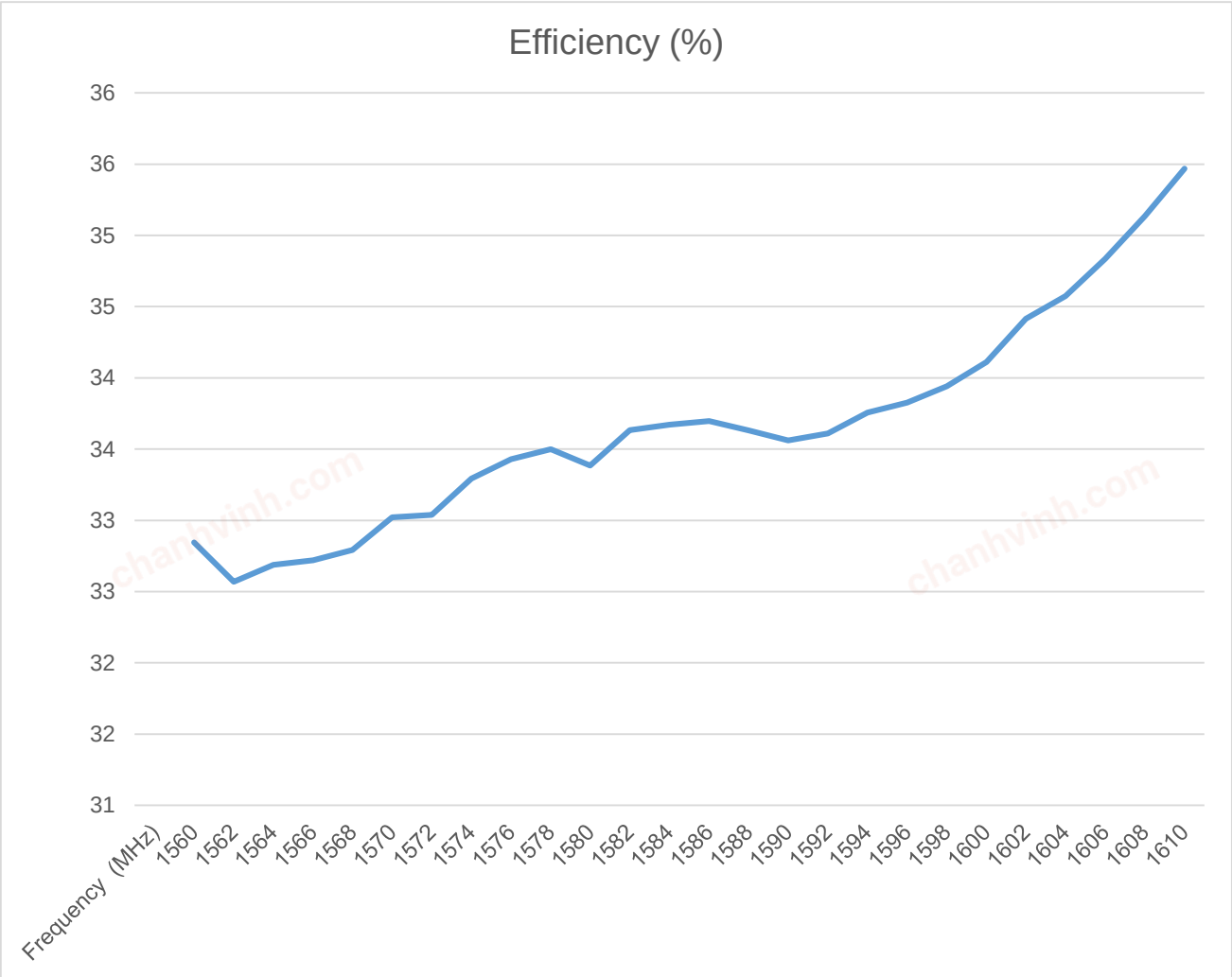
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CHARTS

Efficiency



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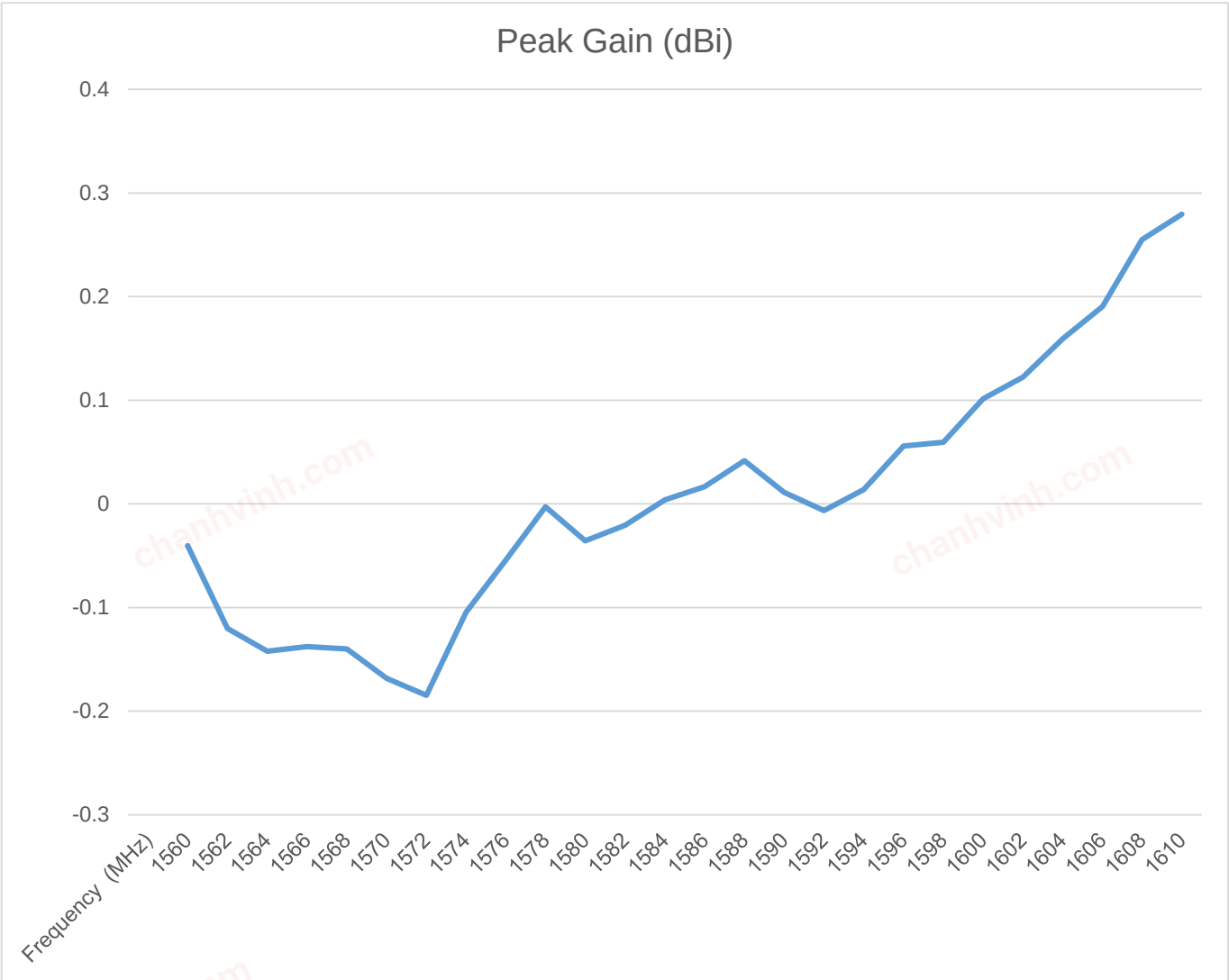
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CHARTS

Peak Gain



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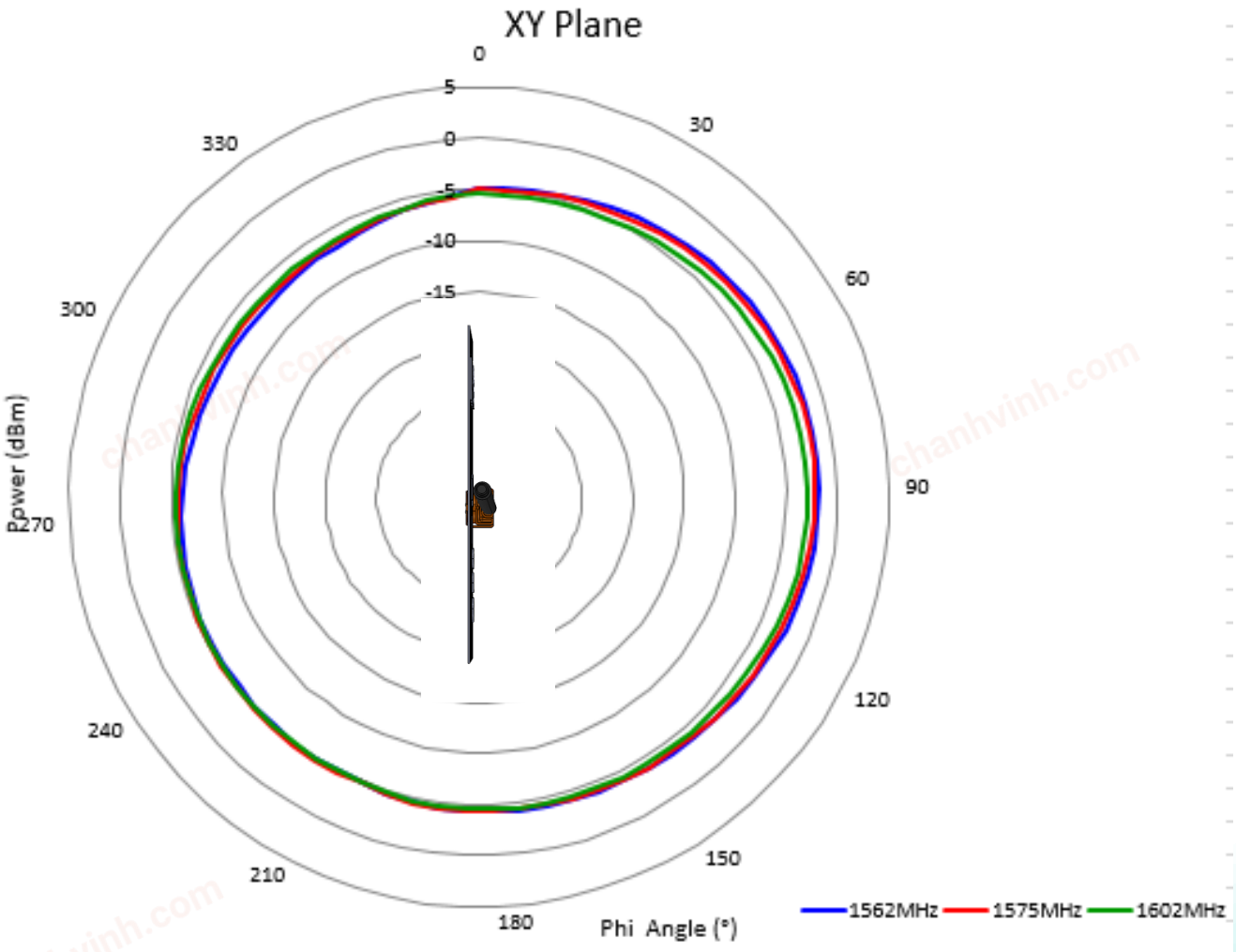
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CHARTS

Free Space Radiation Pattern

Horizontal Plane



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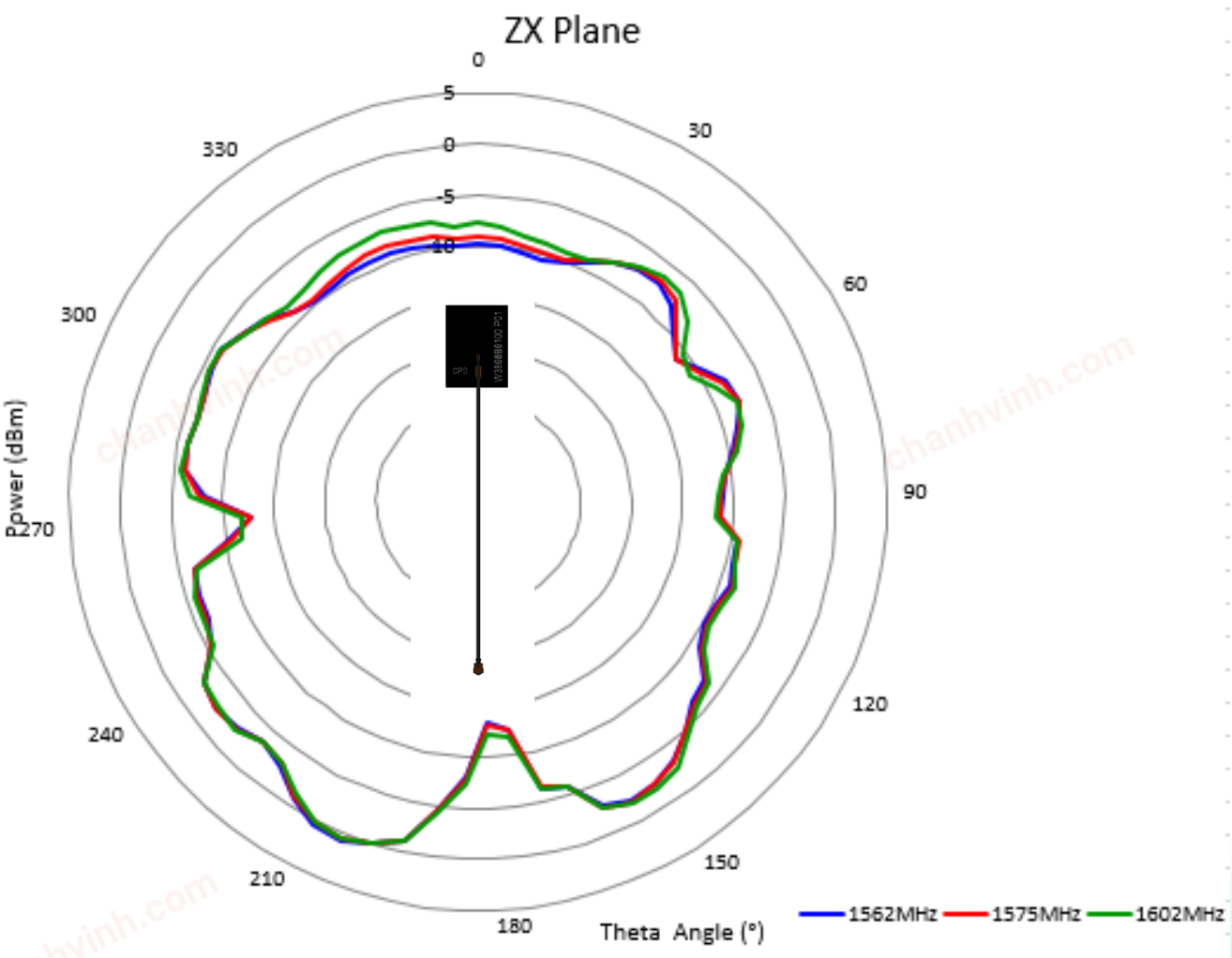
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CHARTS

Free Space Radiation Pattern

Elevation Plane



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PACKAGING

5pcs antenna per PE bag

400pcs PE bags per form bag

2pcs form bag per package box

Total 4000pcs per package box

Package box: 460mm*235mm*140mm

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