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Patch Antenna
2.4GHz Patch Passive Antenna
BT25B0150



Features:

- *2400-2500 MHz*
- *Cable, Adhesive tape*

Applications:

- *2.4-2.5 GHz ISM Band radios*
- *Wi-Fi, Bluetooth*

Electrical specifications @ 25° C			
Antenna type	**Nominal Impedance**	**Polarization**	**Radiation pattern**
Patch	50Ω	RHCP	Directional

Frequency (MHz)	2400-2500
Return Loss (dB)	< -6
Radiating Element Peak Gain (dBic)	> 3.5
Avg. Efficiency (%)	> 60

Mechanical Specifications				
Dimension Length x Width x Height (w/o cable)	**Fixing method**	**Antenna Material**	**Connector Type**	**Cable Type**
25mm*25mm*6.6mm / 0.98”x0.98”x0.26”	Adhesive Foam Rogers T=3.0mm	Ceramic+PCBA+Cable	I-PEX MHF	Ø1.37mm
Cable Length	**Weight**	**RoHS- Compliant**	**Storage and operating Temperature**	
150mm/5.91”	16.9 grams	Yes	-40°C to 85°C	

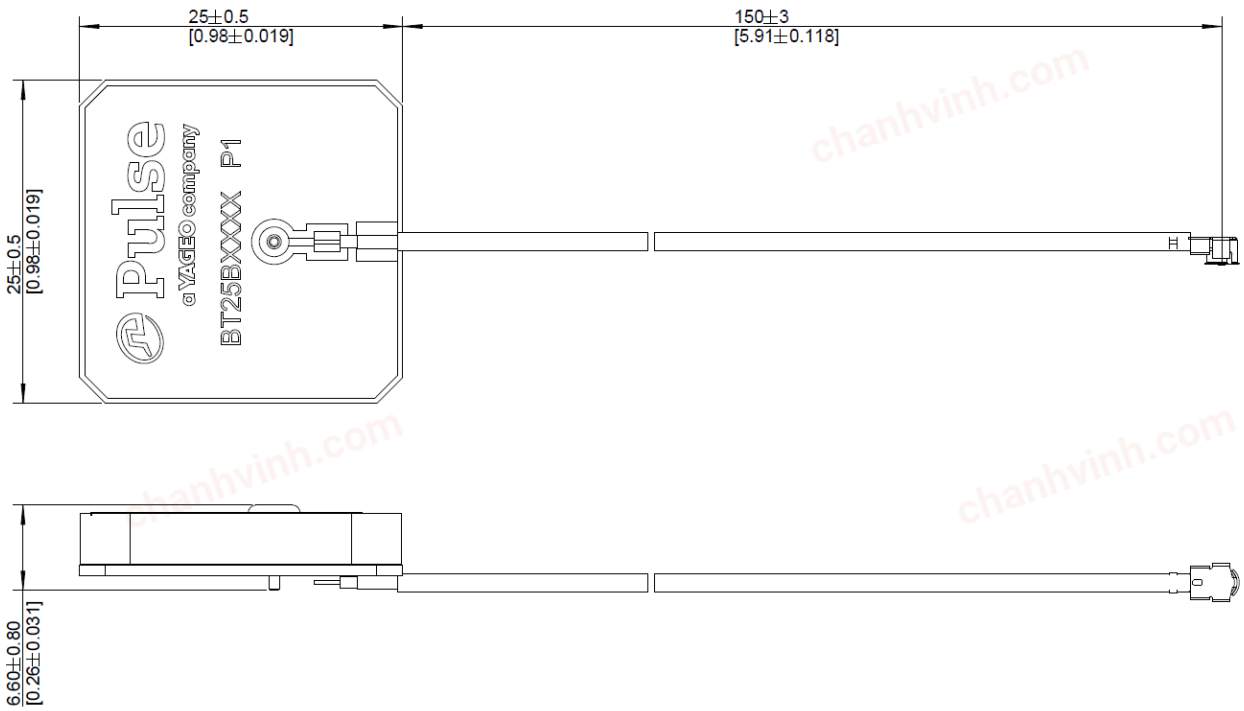
Notes:

1. The adhesive foam is in the same package as the antenna, which is an alternative assembly solution for the antenna.

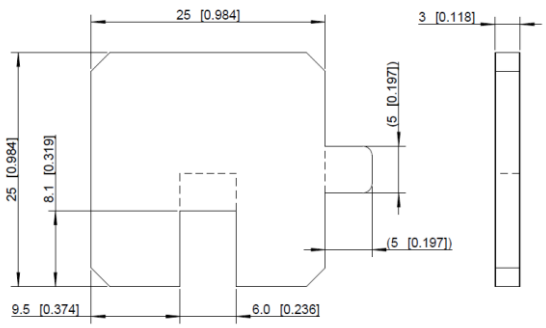
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Mechanical Drawing

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Double side adhesive foam included in the sale package as an alternative assembly option, foam dimensions are as the below.



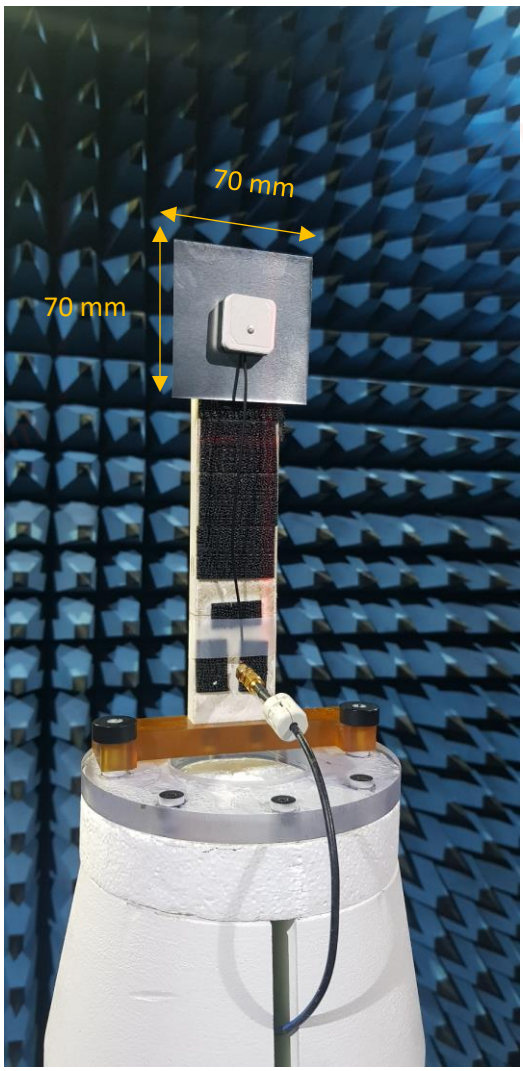
All dimensions are in mm/inch

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Test Setup

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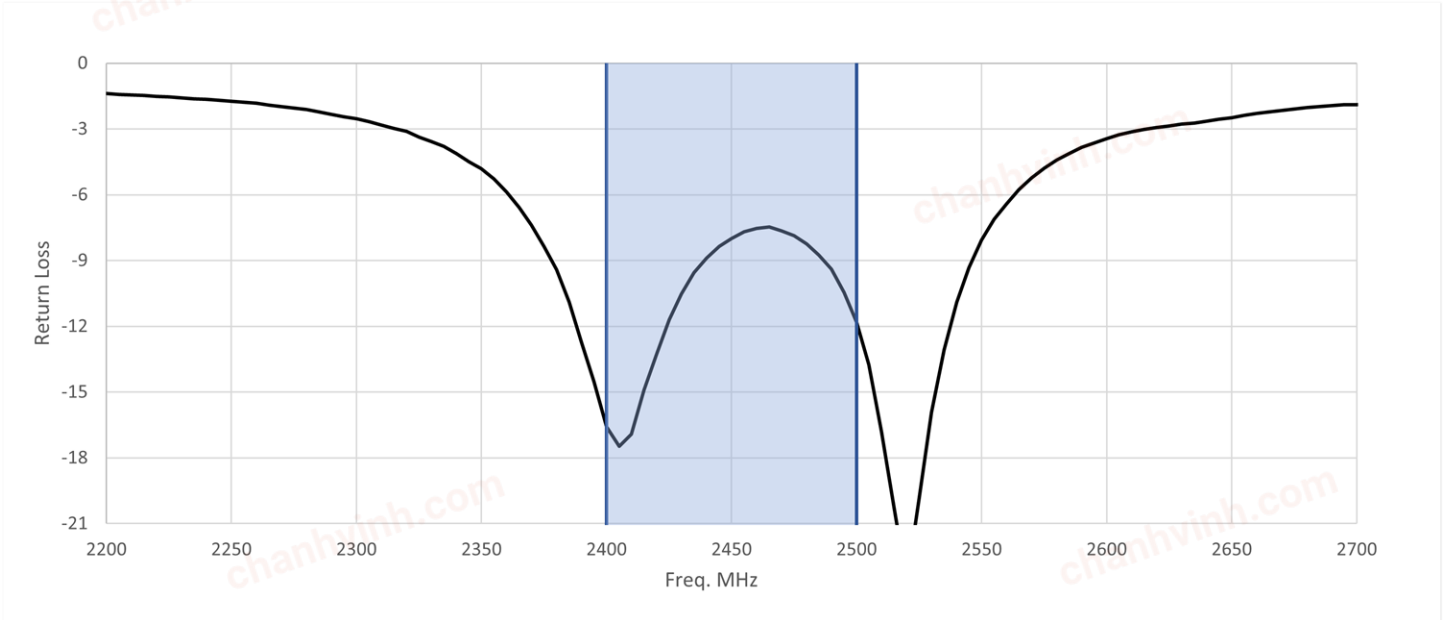
- S-parameters, Gain and Efficiency measured with 150mm cable, using 70 x 70 mm metal backplate.
- Measured at Pulse Finland (MVG SG24L Chamber)



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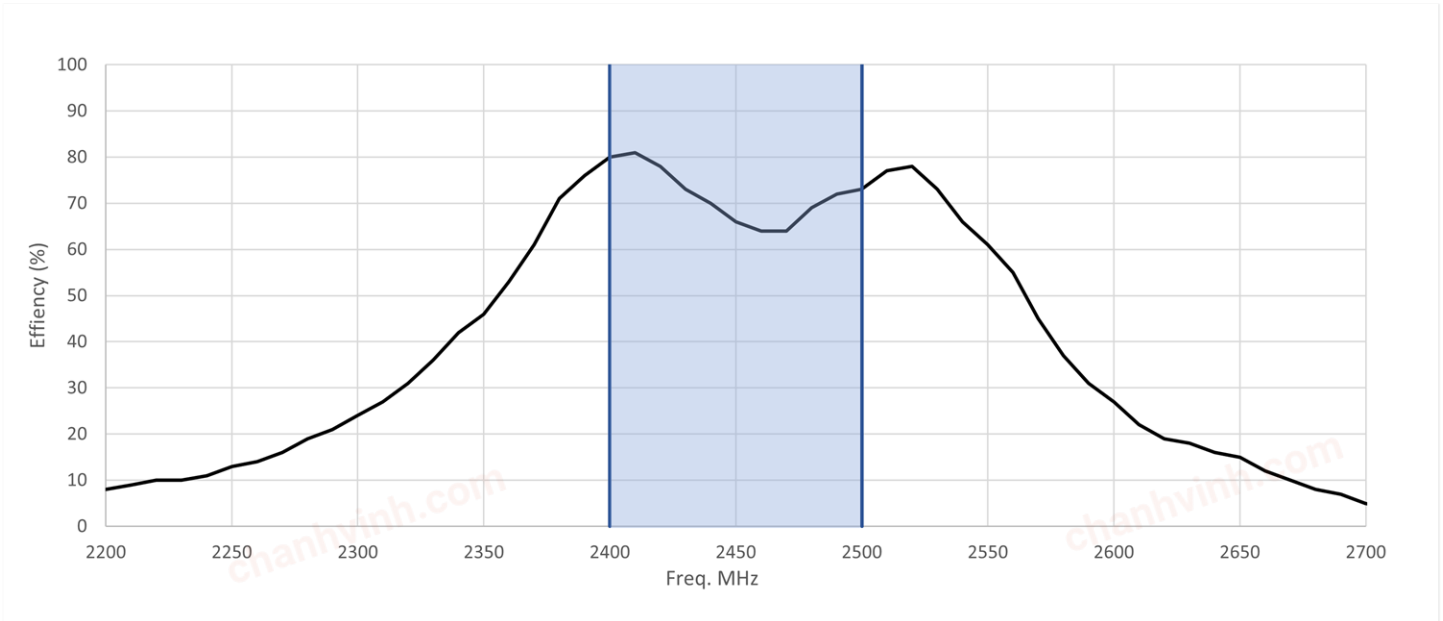
Return Loss (dB): 2400-2500 MHz

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Efficiency (%): 2400-2500 MHz

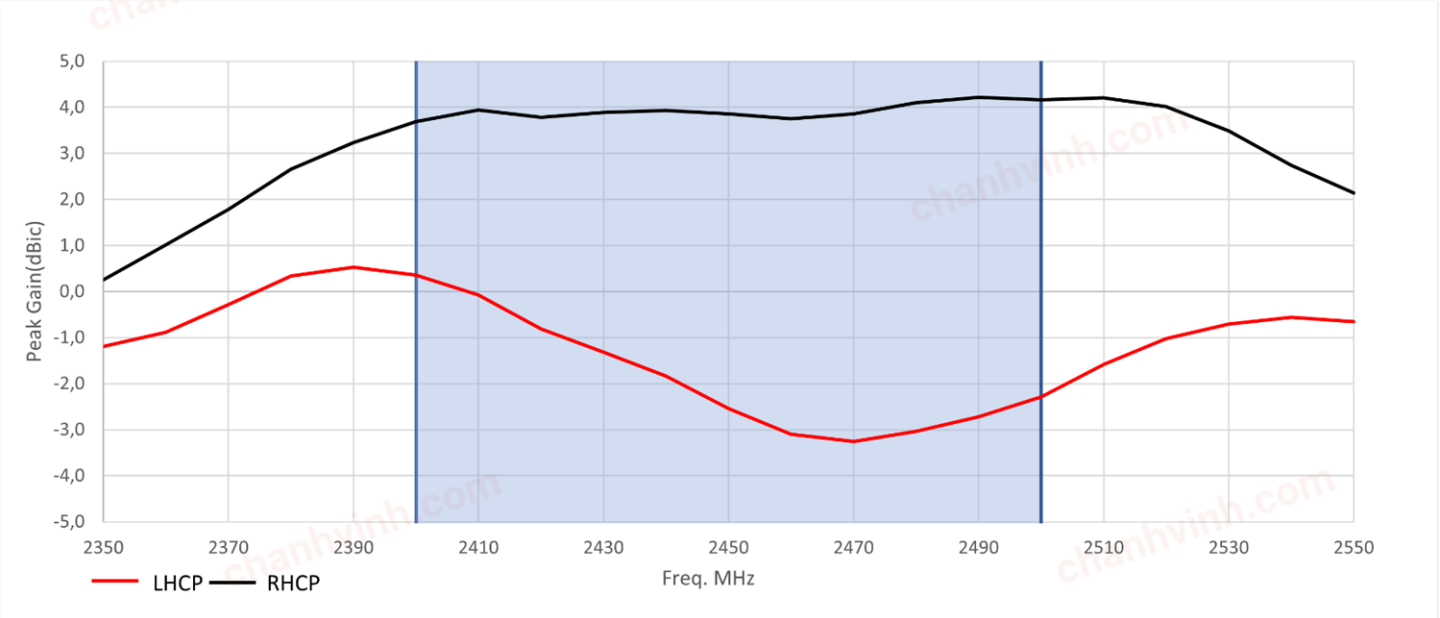
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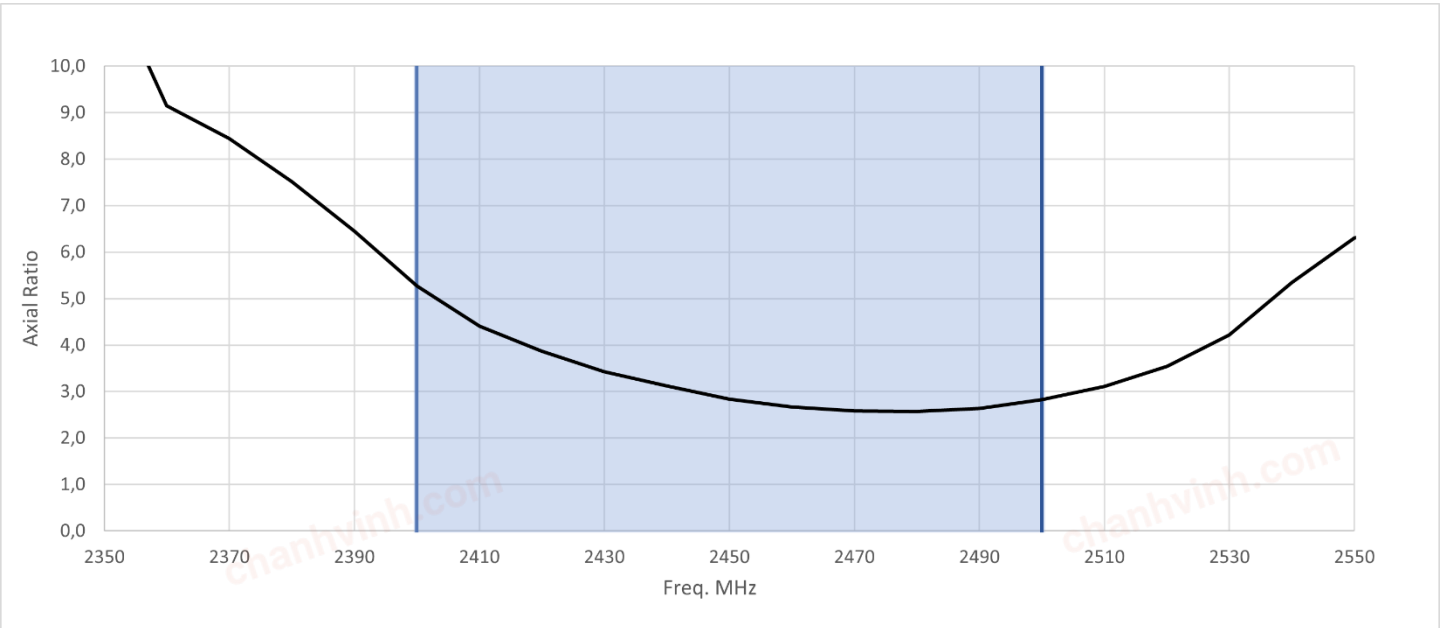
Gain (dBic): 2400-2500 MHz

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Axial Ratio: 2400-2500 MHz

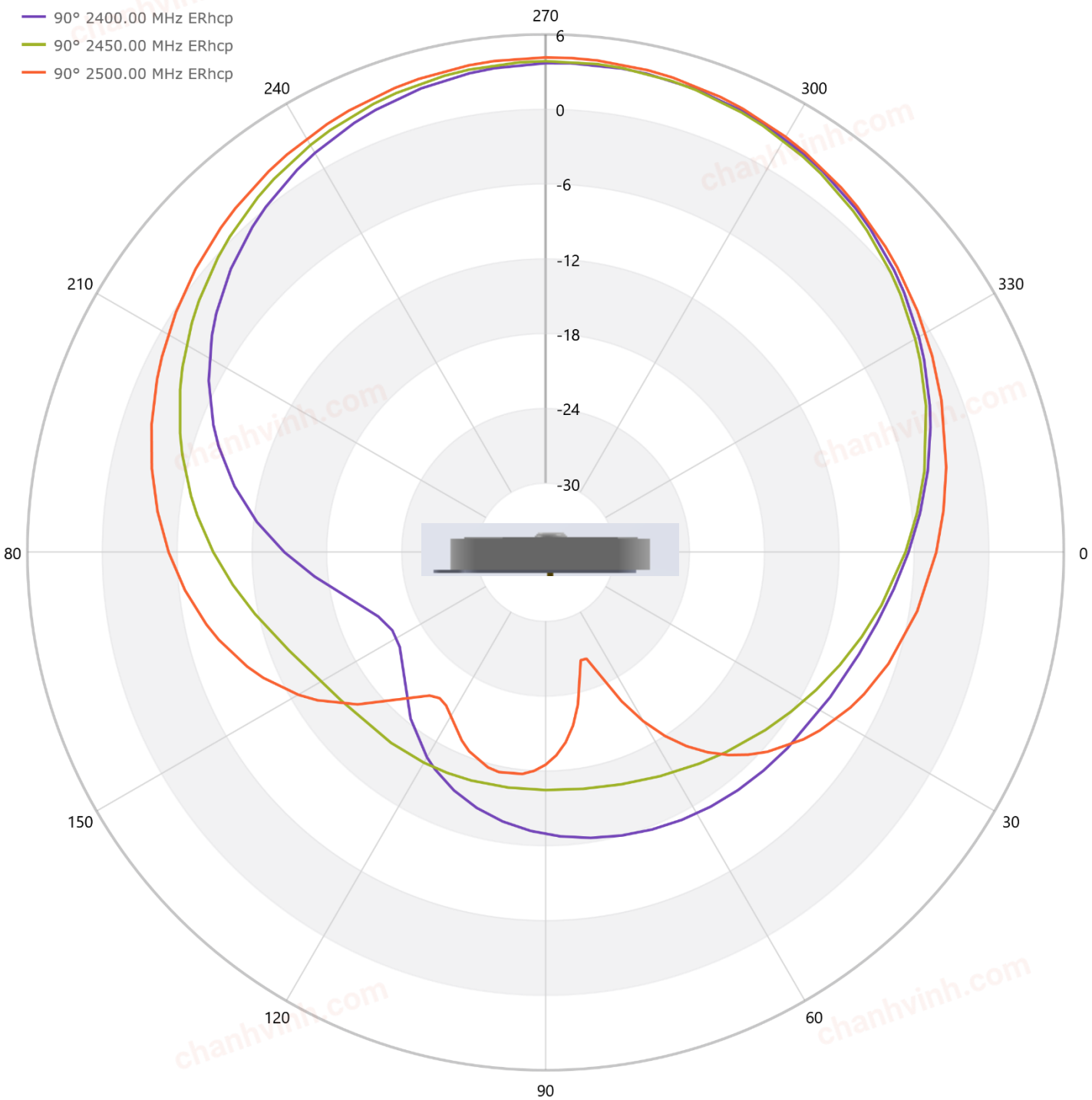
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Radiation Pattern: Azimuth Cut 90°

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Packaging

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Antennas packed in tray and carton box.

- Each antenna wrapped in foam bag
- 240 pcs / carton box
- Carton box dimensions (mm)：405x300x180

For More Information:
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