

LYNwave Technology

Antenna & Thermal solution provider

Antenna Test Photo

Product Name : AXE5400 Tri-Band WiFi 6E Mesh System

Model: WSQ65

Brand: ZYXEL

Product Name : WiFi Mesh System

Model: WSQ63

Brand: ZYXEL

Product Name : Security Router

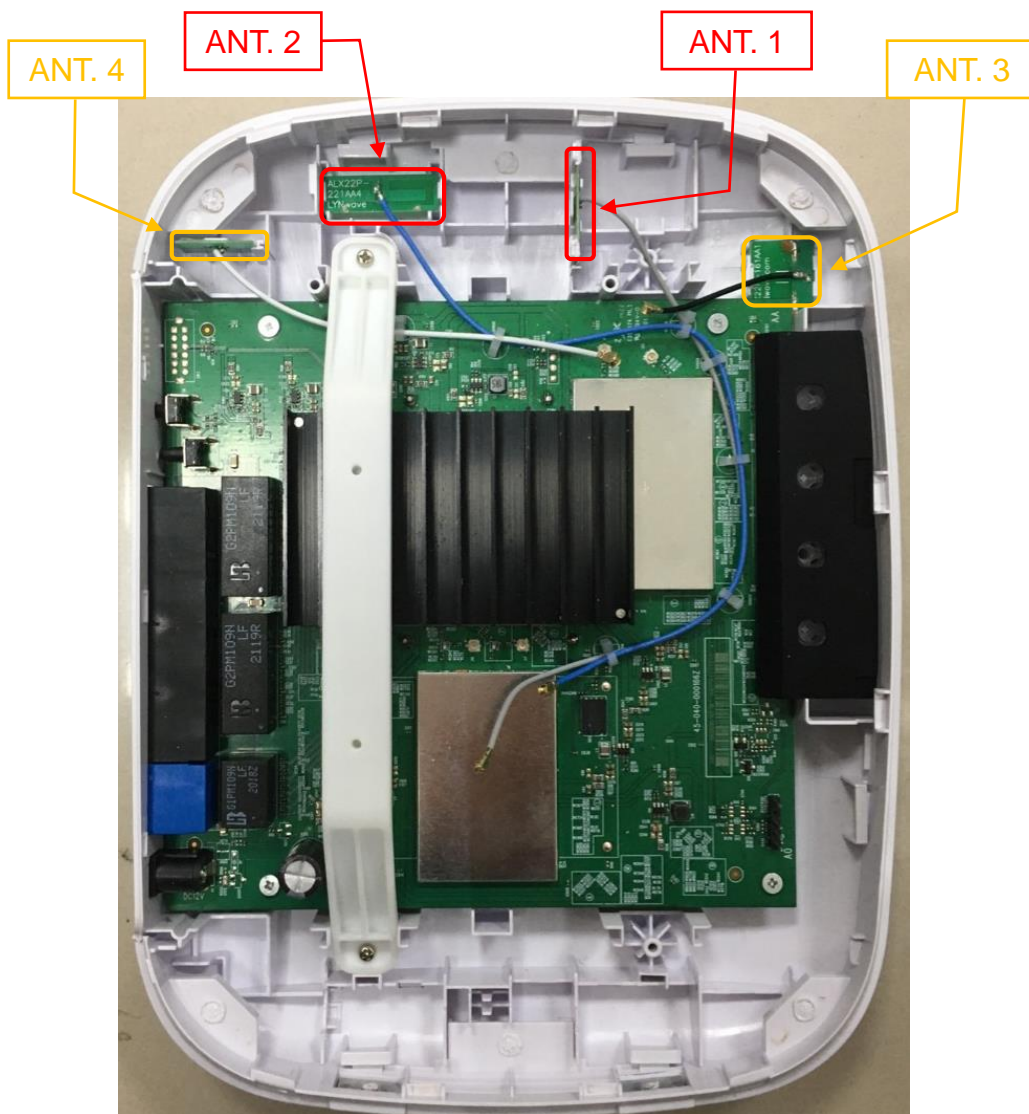
Model: SCR 50AXE

Brand: ZYXEL

- A. Antenna RF Characteristics
 - 1. Antenna Placement
 - 2. Test Setup
 - 3. Surface Current

Antenna Placement

| Ant. | Model | Brand | Frequency (MHz) | Cable Length with IPEX (mm) | Antenna Size (mm) | Cable Type | Connector |
|--------|------------------|---------|-----------------------|-----------------------------|-------------------|-------------------|--------------------|
| ANT. 1 | ALX22P-221AA4-00 | LYNwave | 2400-2500 / 5150-5825 | 201 | 28x8.9x0.6 | φ1.37 Low loss | MHF1 compatible |
| ANT. 2 | ALX22P-221AA4-01 | LYNwave | | 216 | 28x8.9x0.6 | | |
| ANT. 3 | ALX22P-161AA1-00 | LYNwave | 5925-7125 | 48 | 18x15.4x0.6 | | |
| ANT. 4 | ALX22P-161AA2-00 | LYNwave | | 115 | 18x10.4x0.6 | | |

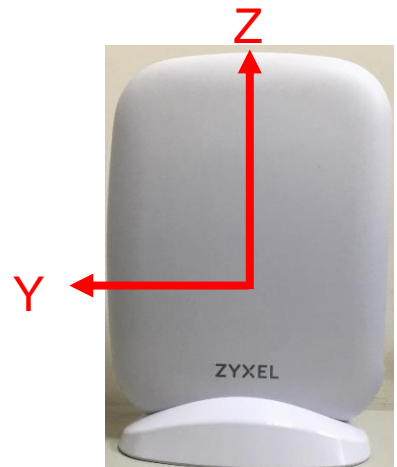
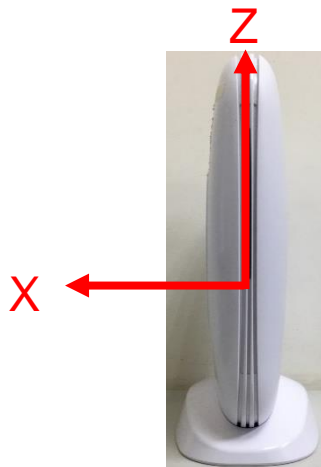
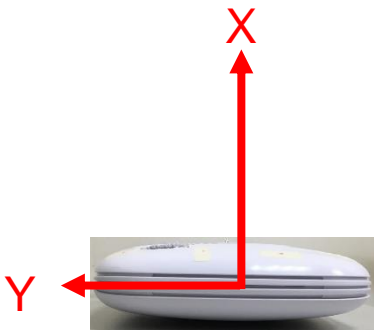
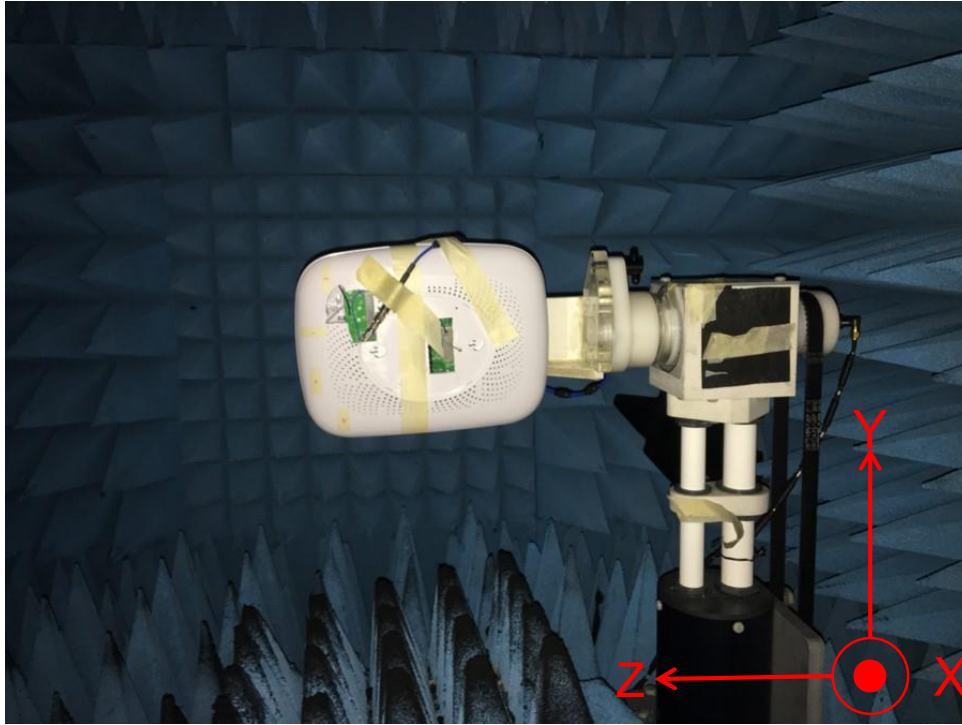


Note.

ANT. 1 / ANT. 2: cross-polarized

ANT. 3 / ANT. 4: cross-polarized

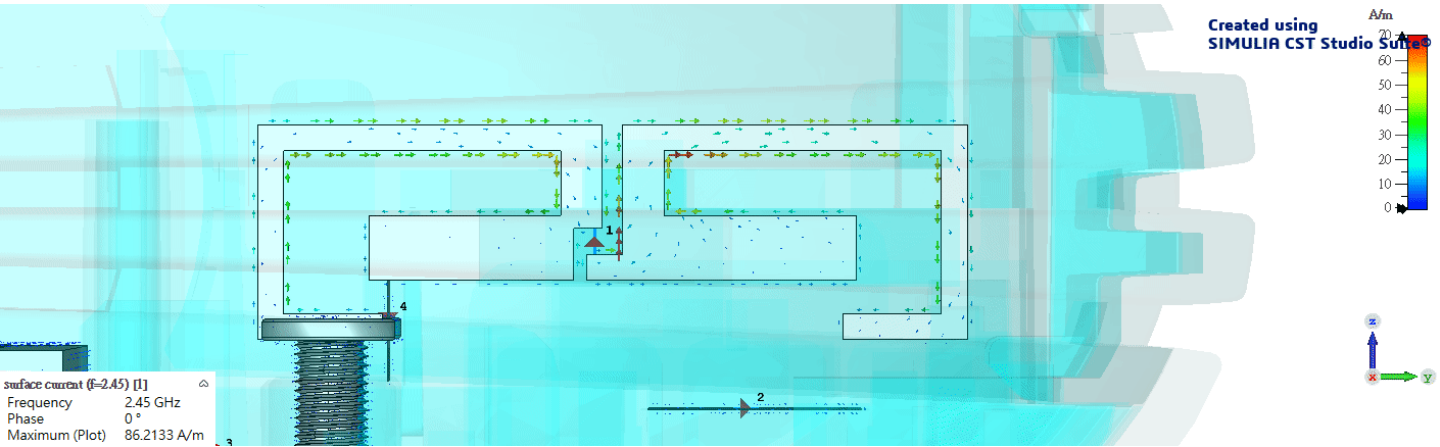
Test Setup :



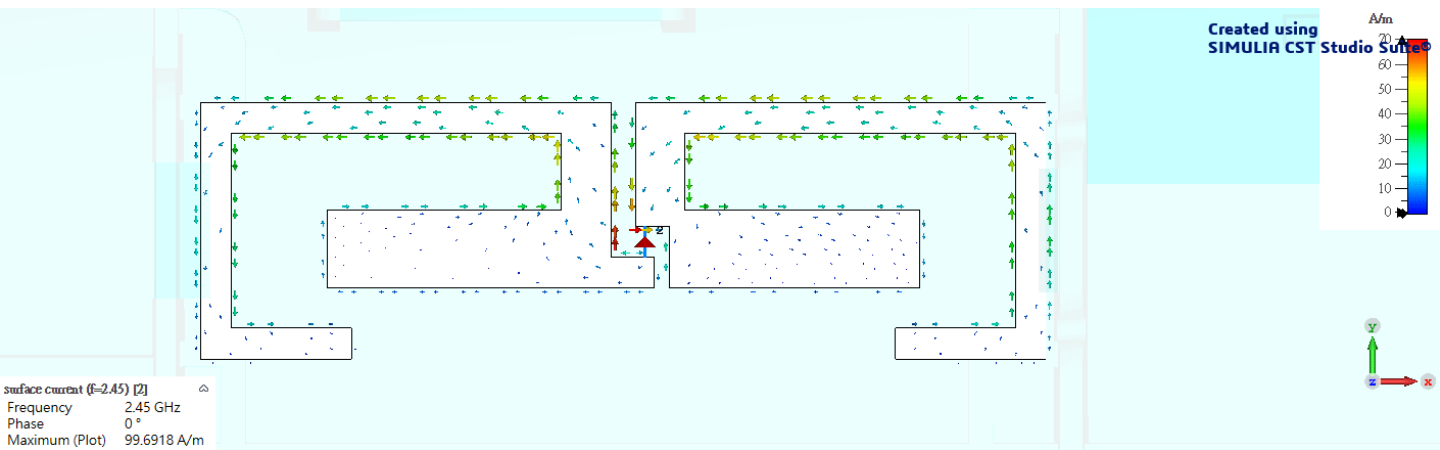
Ant1&Ant2 @2.45GHz

Surface Current :

Ant.1



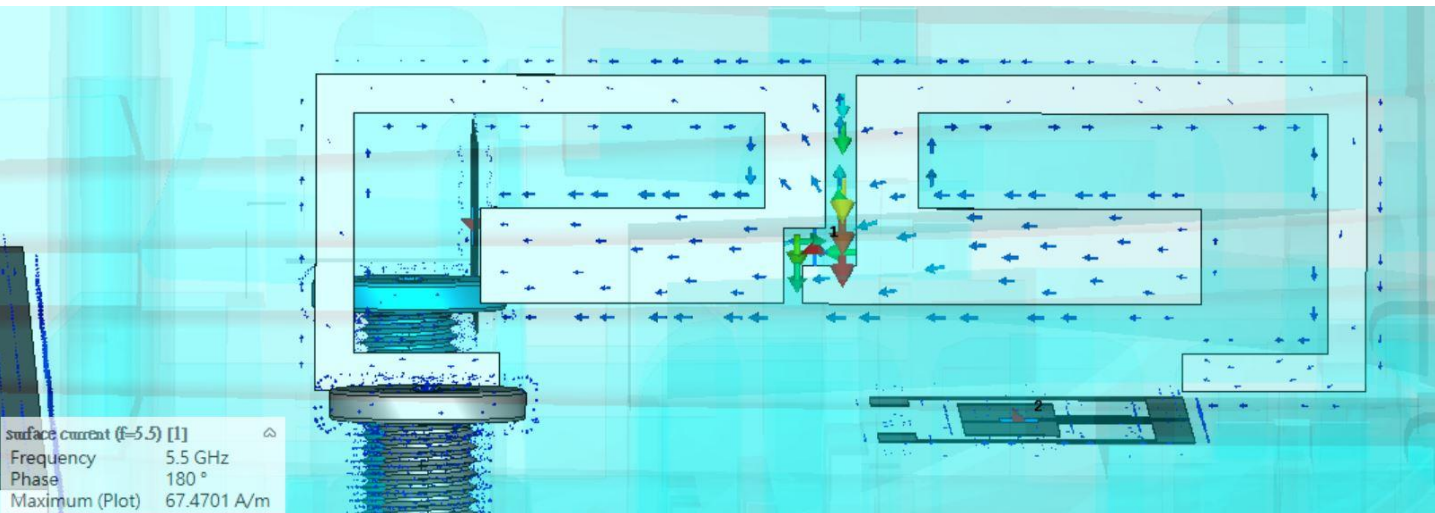
Ant.2



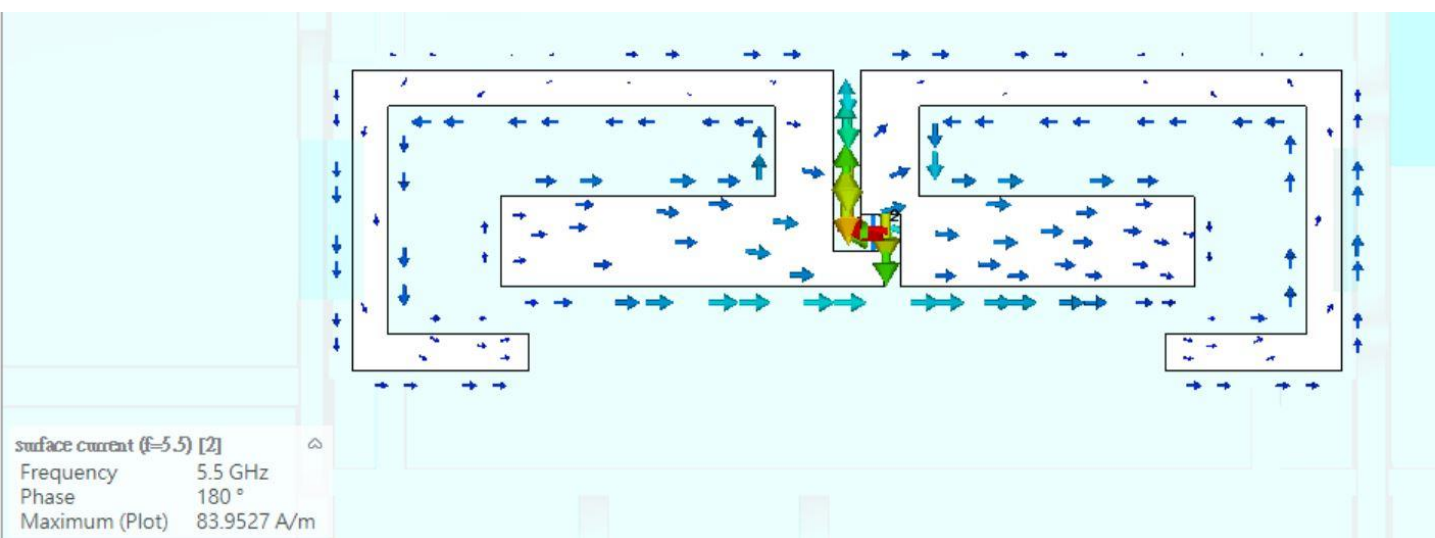
Ant1&Ant2 @5.5GHz

Surface Current :

Ant.1



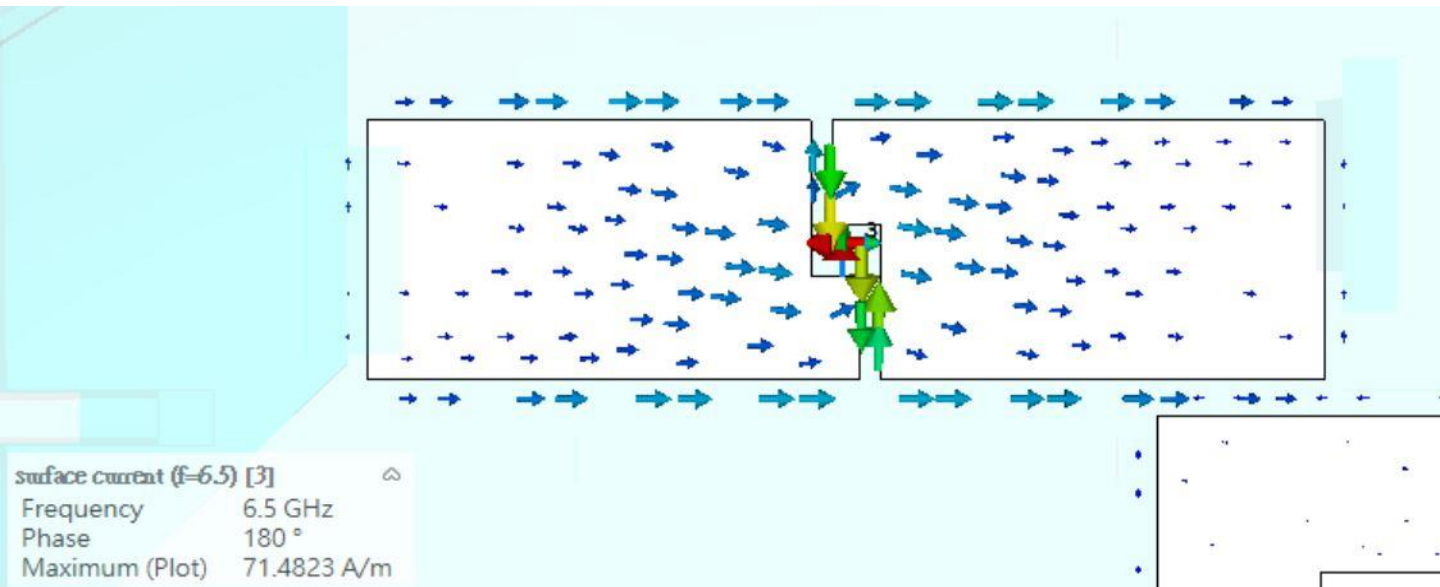
Ant.2



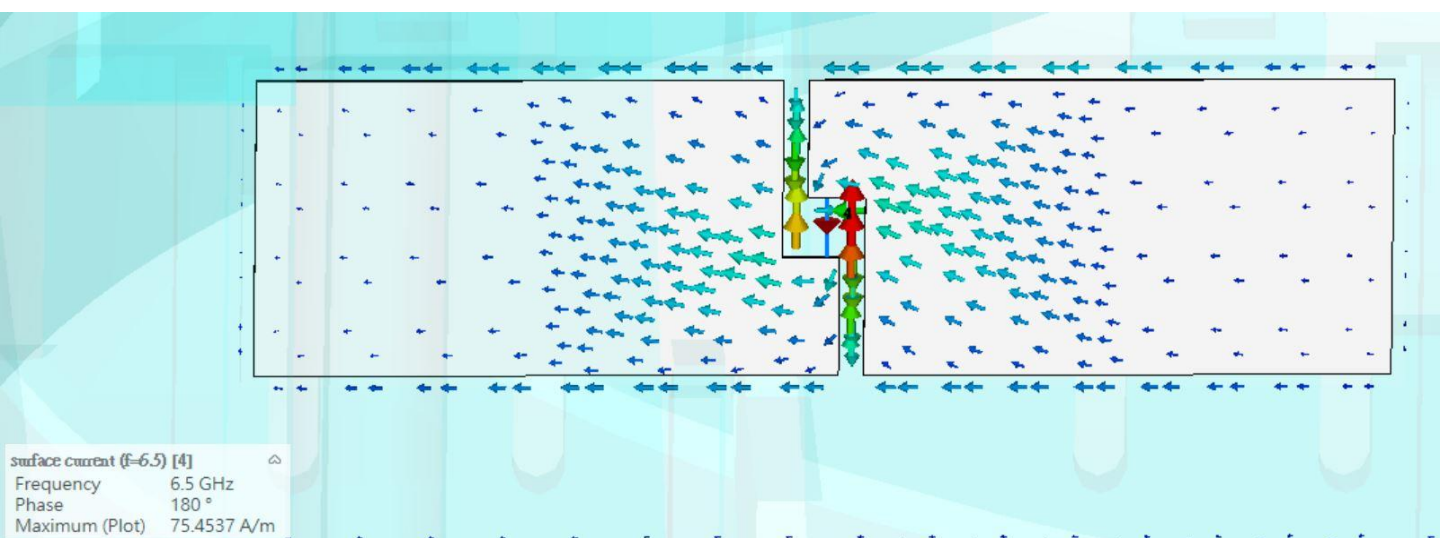
Ant3&Ant4 @6.5GHz

Surface Current :

Ant.3



Ant.4



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