

# Outdoor Omni L Band Antenna

## MODEL: TH-1450J

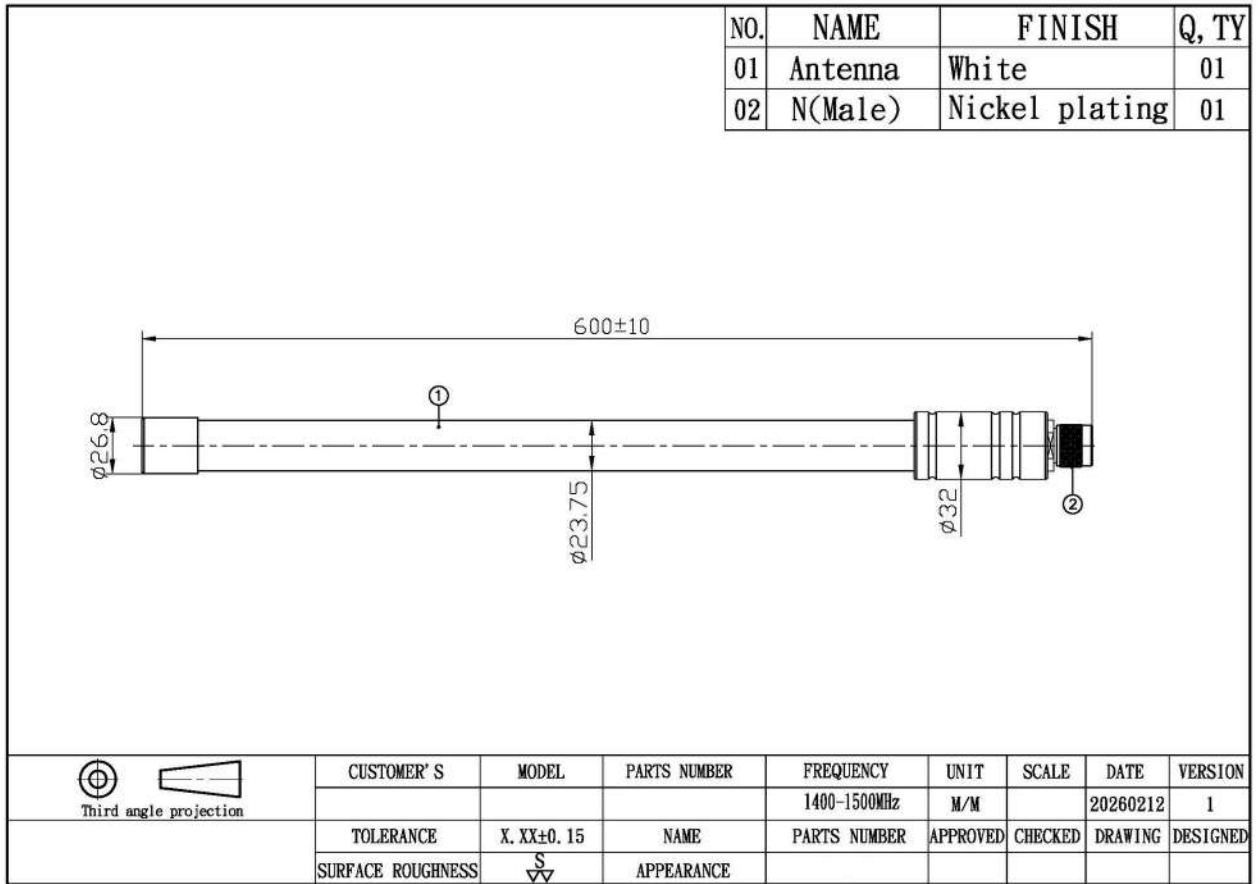


### 1. Specifications:

|                               |                                |
|-------------------------------|--------------------------------|
| <b>Frequency range:</b>       | <b>1400~1500Mhz</b>            |
| <b>Gain:</b>                  | <b>6dBi</b>                    |
| <b>V.S.W.R:</b>               | <b>2.0</b>                     |
| <b>Impedence:</b>             | <b>50 ohm</b>                  |
| <b>Connector:</b>             | <b>N Type male</b>             |
| <b>Dimension:</b>             | <b>600mm +/-10 x OD27.9mm</b>  |
| <b>Weight:</b>                | <b>0.4Kg</b>                   |
| <b>Polarization :</b>         | <b>vertical</b>                |
| <b>Power handling :</b>       | <b>50W</b>                     |
| <b>Materials :</b>            | <b>Fiberglass &amp; copper</b> |
| <b>Colour :</b>               | <b>White</b>                   |
| <b>Rated wind velocity :</b>  | <b>60m/s</b>                   |
| <b>Working Temperature :</b>  | <b>-40~60°C</b>                |
| <b>Lightning Protection :</b> | <b>Direct Ground</b>           |

\* This specification is subject to change without prior notice

### 2.APPEARANCE:

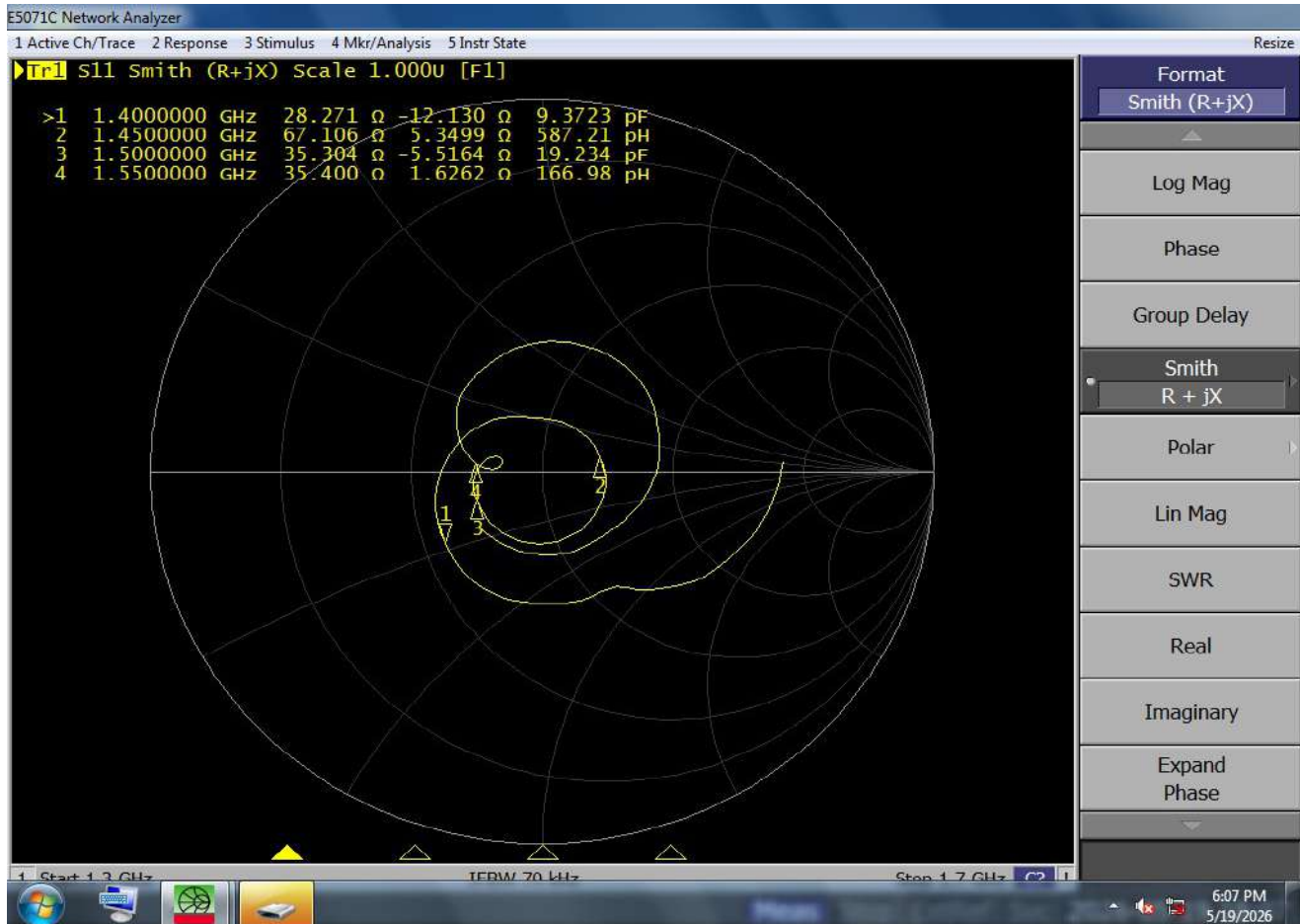


### 3. FREQUENCY:

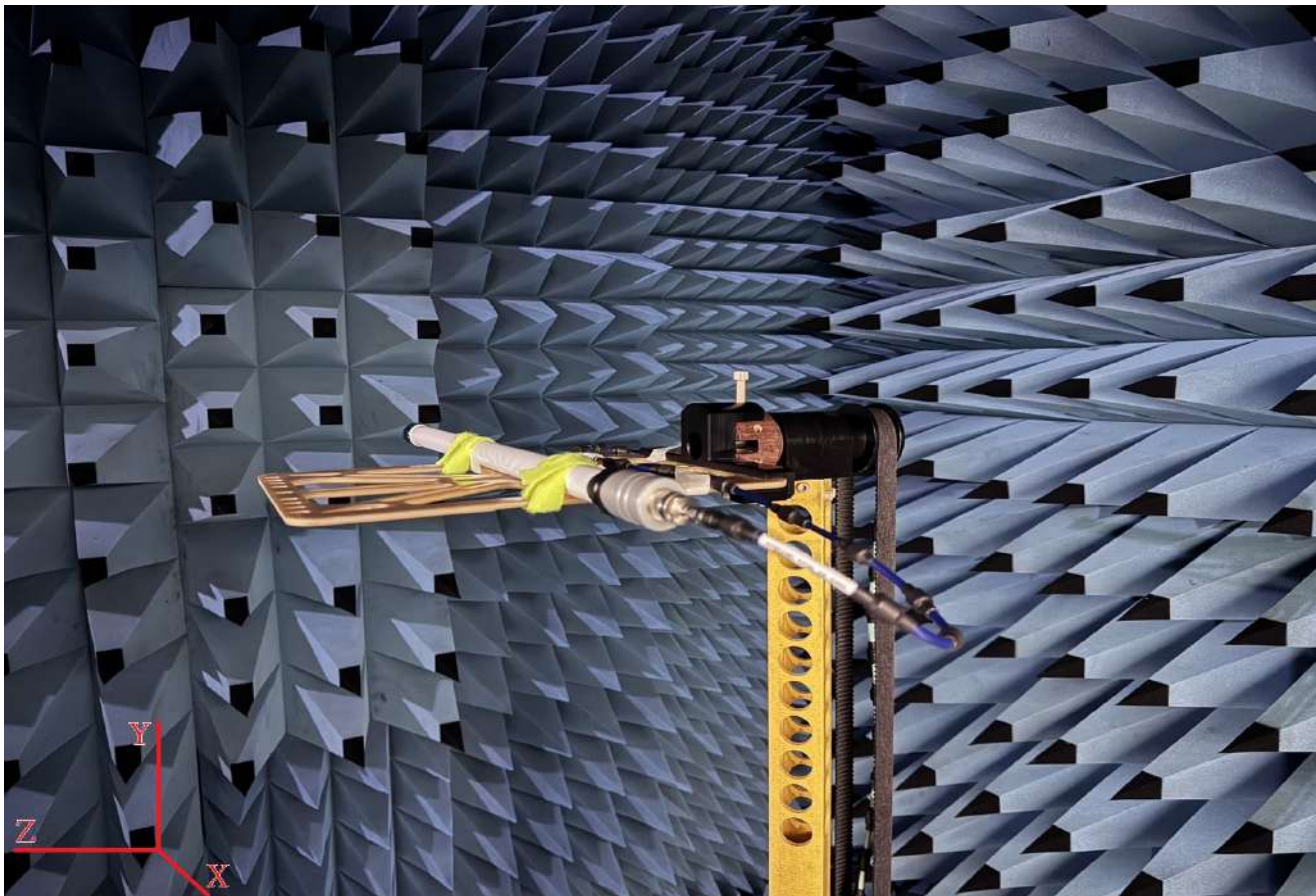






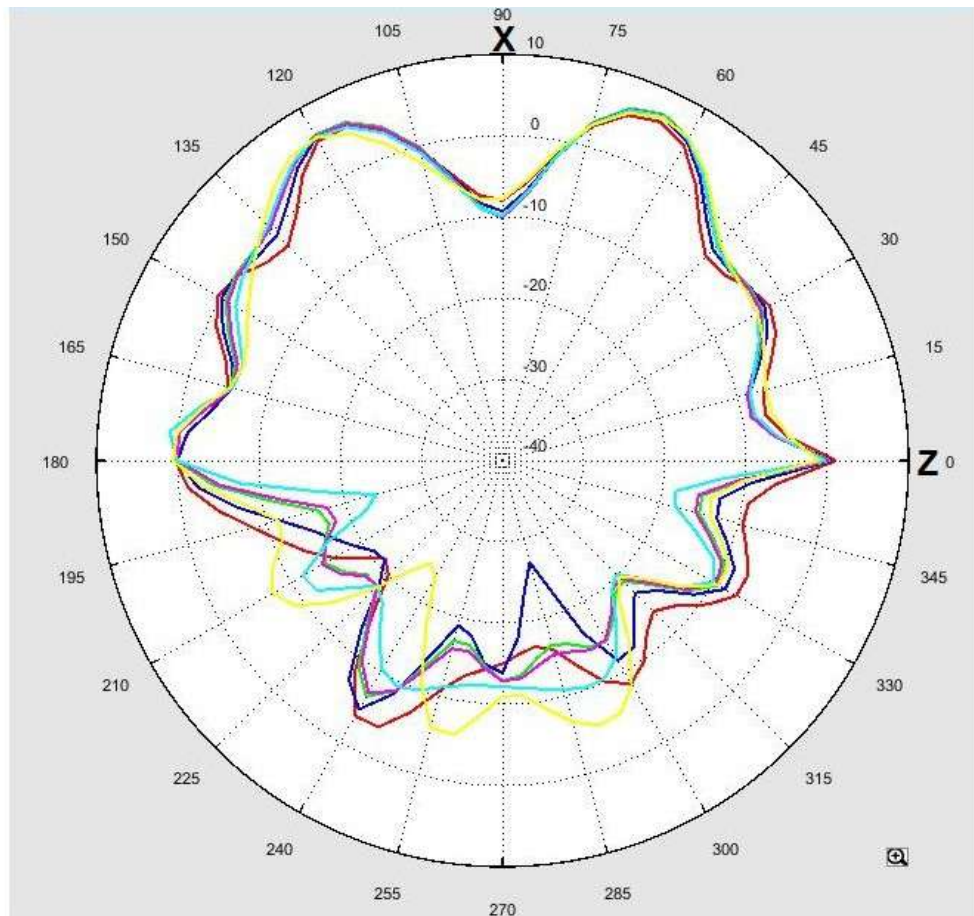


#### 4. Test Environment:



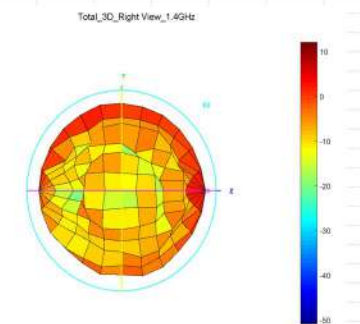
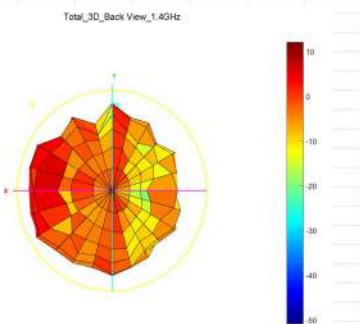
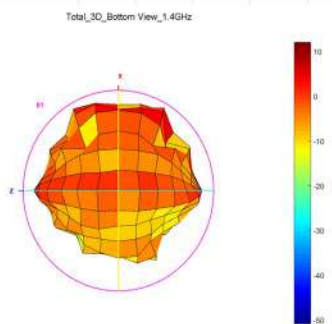
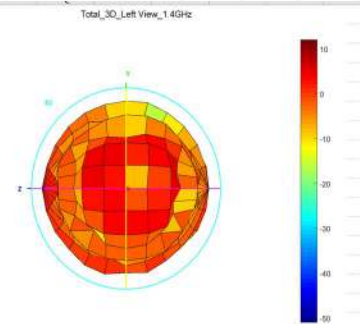
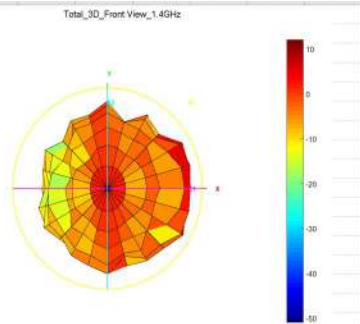
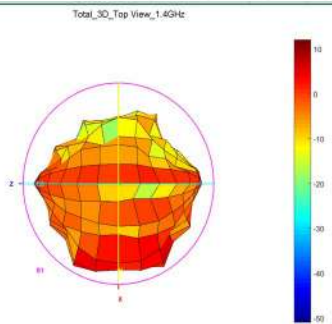
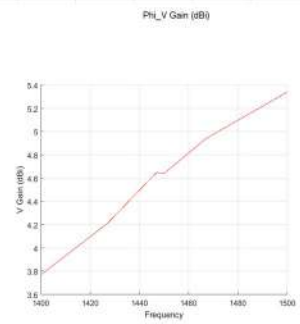
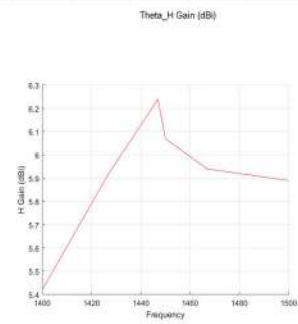
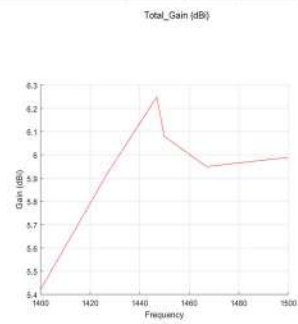
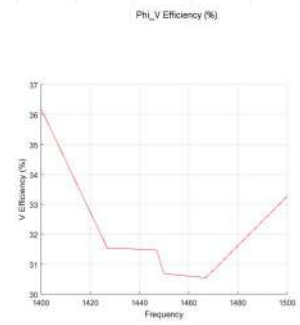
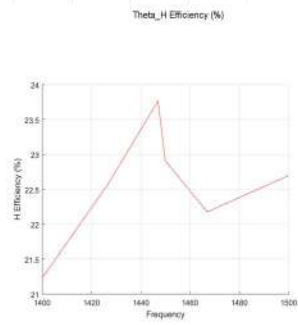
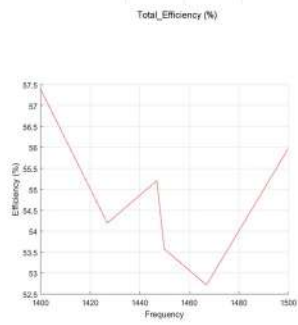
## 5. Radiation Pattern:

| Freq. / Chan. | Color   |
|---------------|---------|
| 1.4GHz        | Red     |
| 1.427GHz      | Blue    |
| 1.447GHz      | Green   |
| 1.45GHz       | Magenta |
| 1.467GHz      | Cyan    |
| 1.5GHz        | Yellow  |



## 6. Test Report:

| Frequency           | 1.4GHz | 1.427GHz | 1.447GHz | 1.45GHz | 1.467GHz | 1.5GHz |
|---------------------|--------|----------|----------|---------|----------|--------|
| Horizontal+Vertical |        |          |          |         |          |        |
| Efficiency (%)      | 57.41  | 54.2     | 55.21    | 53.58   | 52.72    | 55.98  |
| Gain (dBi)          | 5.42   | 5.92     | 6.25     | 6.08    | 5.95     | 5.99   |
|                     |        |          |          |         |          |        |
| Horizontal          |        |          |          |         |          |        |
| H Efficiency (%)    | 21.23  | 22.59    | 23.77    | 22.91   | 22.18    | 22.7   |
| H Gain (dBi)        | 5.42   | 5.92     | 6.24     | 6.07    | 5.94     | 5.89   |
|                     |        |          |          |         |          |        |
| Vertical            |        |          |          |         |          |        |
| V Efficiency (%)    | 36.22  | 31.55    | 31.48    | 30.69   | 30.55    | 33.27  |
| V Gain (dBi)        | 3.77   | 4.21     | 4.65     | 4.64    | 4.94     | 5.34   |



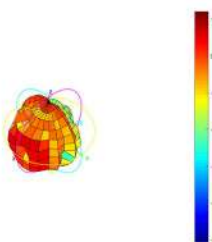




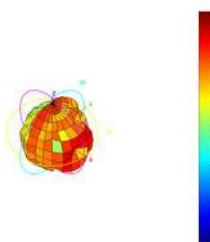




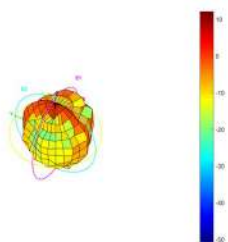
Total\_3D\_Side View\_1\_1.467GHz



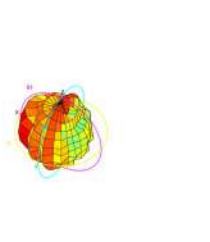
Total\_3D\_Side View\_2\_1.467GHz



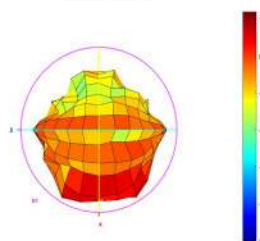
Total\_3D\_Side View\_3\_1.467GHz



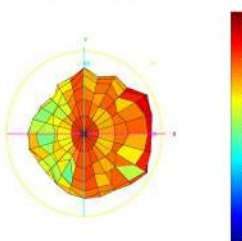
Total\_3D\_Side View\_4\_1.467GHz



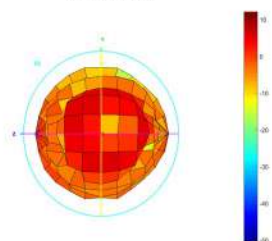
Total\_3D\_Top View\_1\_1.5GHz



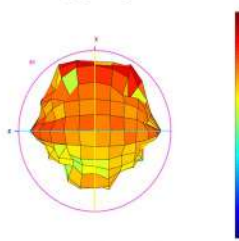
Total\_3D\_Front View\_1\_1.5GHz



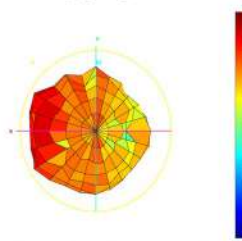
Total\_3D\_Left View\_1\_1.5GHz



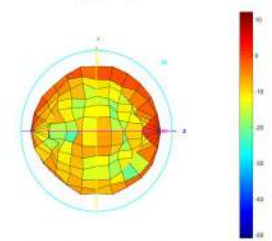
Total\_3D\_Bottom View\_1\_1.5GHz



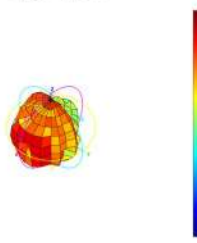
Total\_3D\_Back View\_1\_1.5GHz



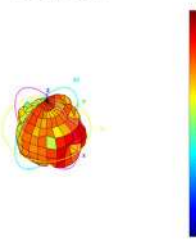
Total\_3D\_Right View\_1\_1.5GHz



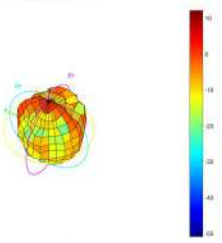
Total\_3D\_Side View\_1\_1.5GHz



Total\_3D\_Side View\_2\_1.5GHz



Total\_3D\_Side View\_3\_1.5GHz



Total\_3D\_Side View\_4\_1.5GHz

