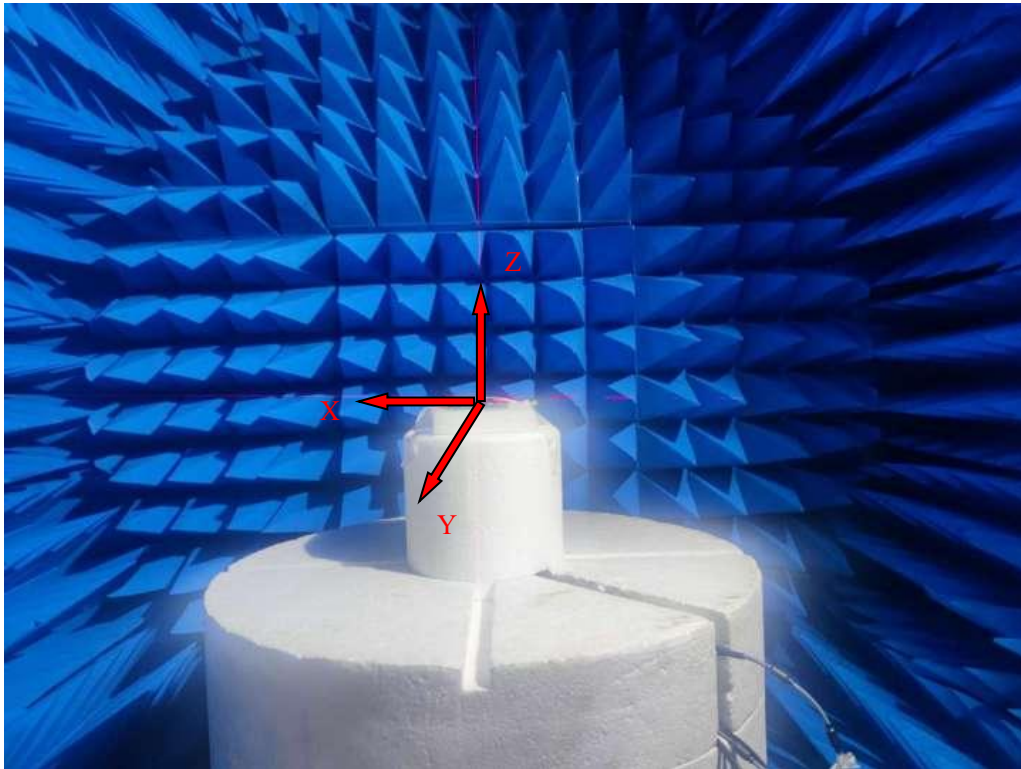


## 2.4G-2.48G PIFA Antenna Specification

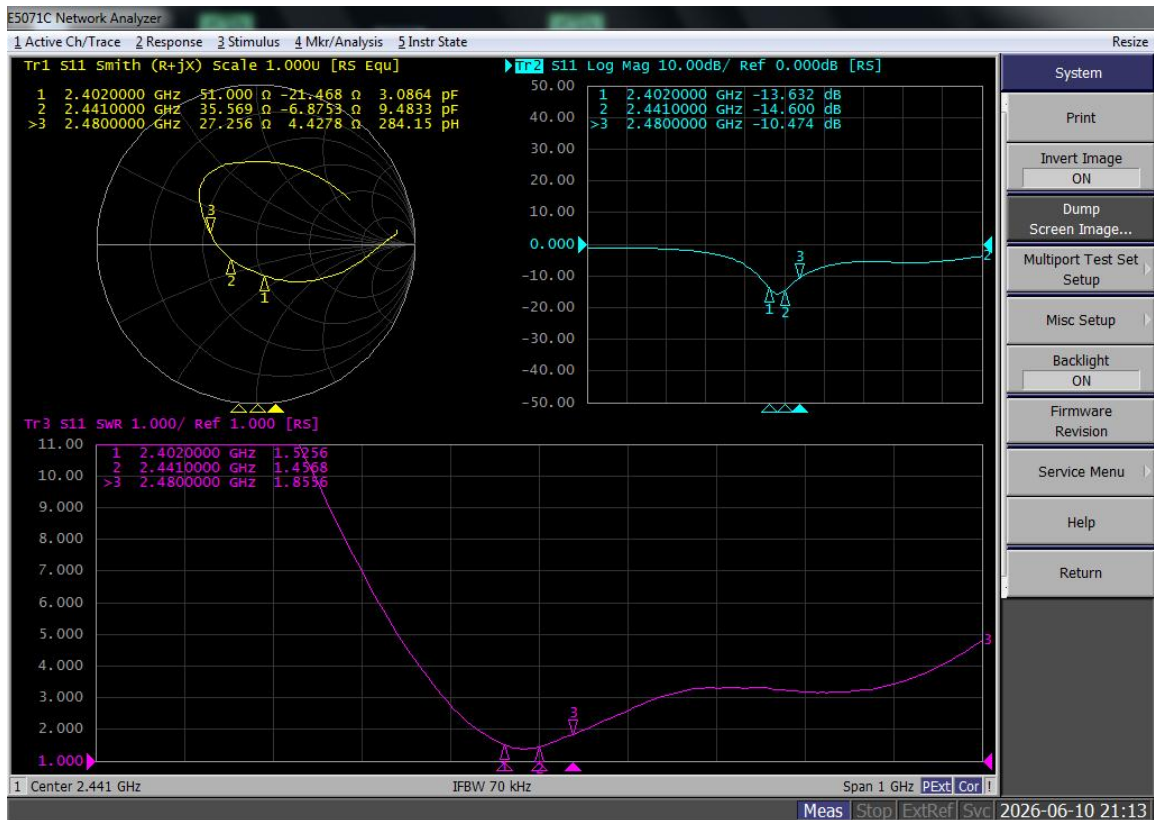
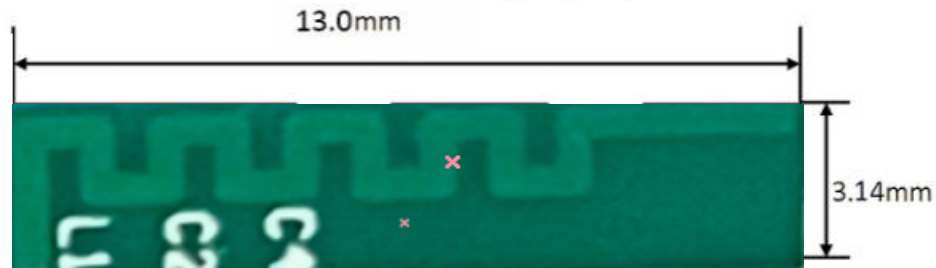
| SPECIFICATIONS         |                             |
|------------------------|-----------------------------|
| Frequency (MHz)        | 2400-2480                   |
| Peak Gain (dBi)        | 2.27                        |
| Average Gain (dBi)     | >0                          |
| VSWR                   | <1.9                        |
| Impedance ( $\Omega$ ) | 50 $\Omega$                 |
| Antenna Type           | Plannar Inverted F on board |
| Polarization           | Linear                      |



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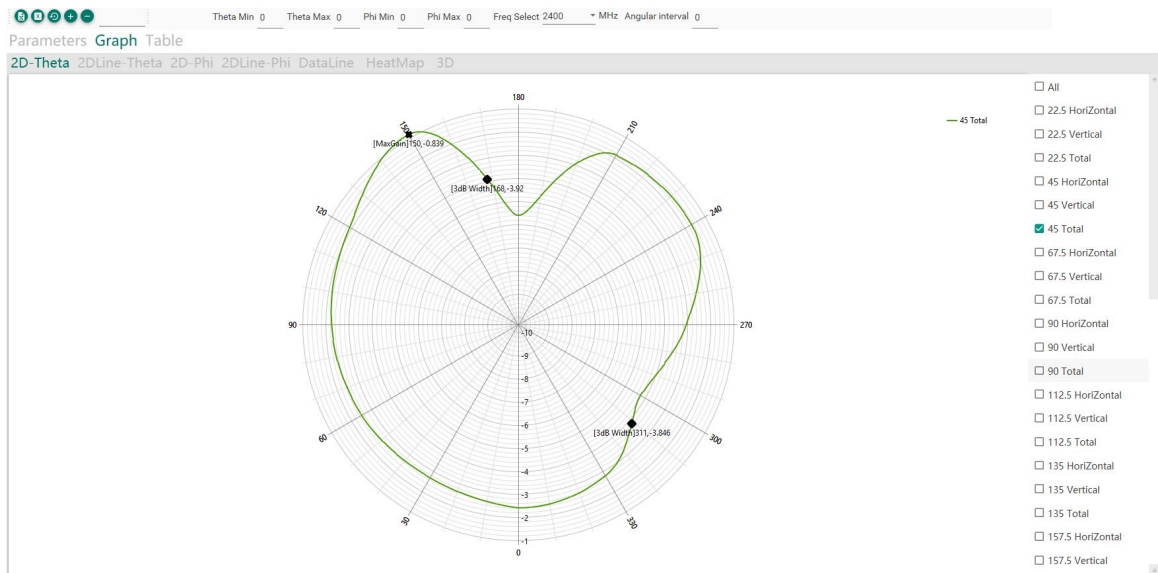
Room 1202, 12th Floor, Unit 1, Building 5, No. 199 South 4th, Rongdu Avenue, Xindu Subdistrict, Xindu District, Chengdu City, Sichuan Province

# Antenna Photo & Length (mm)

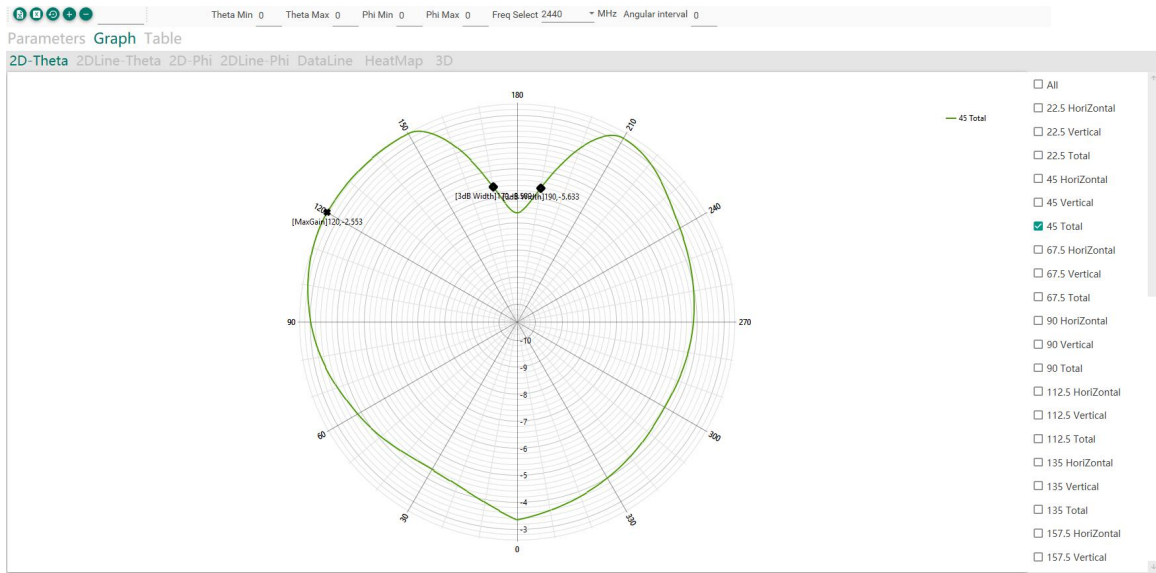


| Frequency (MHz) | Gain (dBi) | Efficiency (%) | AverageGain (dBi) | Efficiency (dB) |
|-----------------|------------|----------------|-------------------|-----------------|
| 2400            | 1.48       | 63.36%         | -2.73             | -1.98           |
| 2410            | 1.25       | 57.22%         | -3.40             | -2.43           |
| 2420            | 0.60       | 54.48%         | -3.43             | -2.64           |
| 2430            | -0.06      | 48.04%         | -3.91             | -3.18           |
| 2440            | -0.09      | 45.16%         | -4.20             | -3.45           |
| 2450            | 0.36       | 49.24%         | -3.56             | -3.08           |
| 2460            | 1.08       | 54.75%         | -3.10             | -2.62           |
| 2470            | 1.55       | 54.67%         | -2.97             | -2.62           |
| 2480            | 2.27       | 64.19%         | -2.25             | -1.93           |
| Average         | 0.94       | 54.57%         | -3.28             | -2.66           |
| Peak            | 2.27       | 64.19%         | -2.25             | -1.93           |

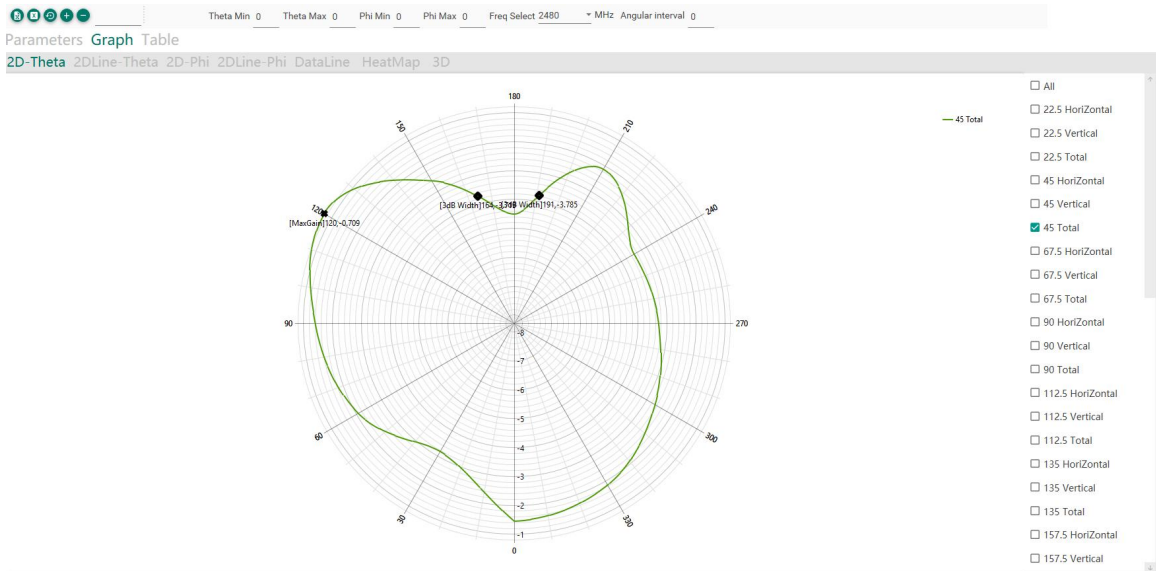
## 2400MHz 2D-Theta Pattern



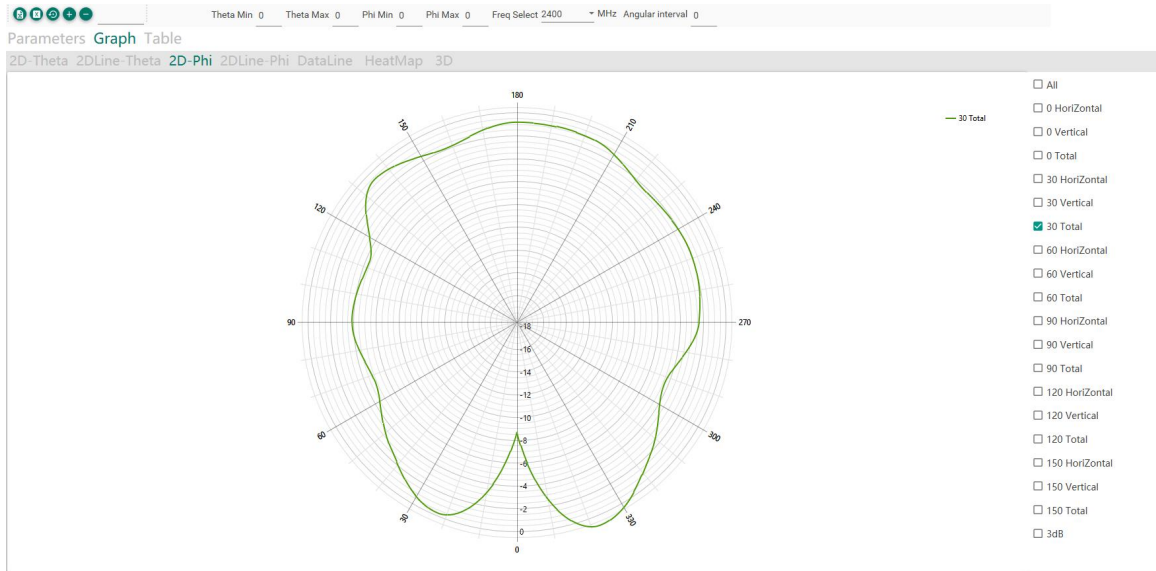
## 2440MHz 2D-Theta Pattern



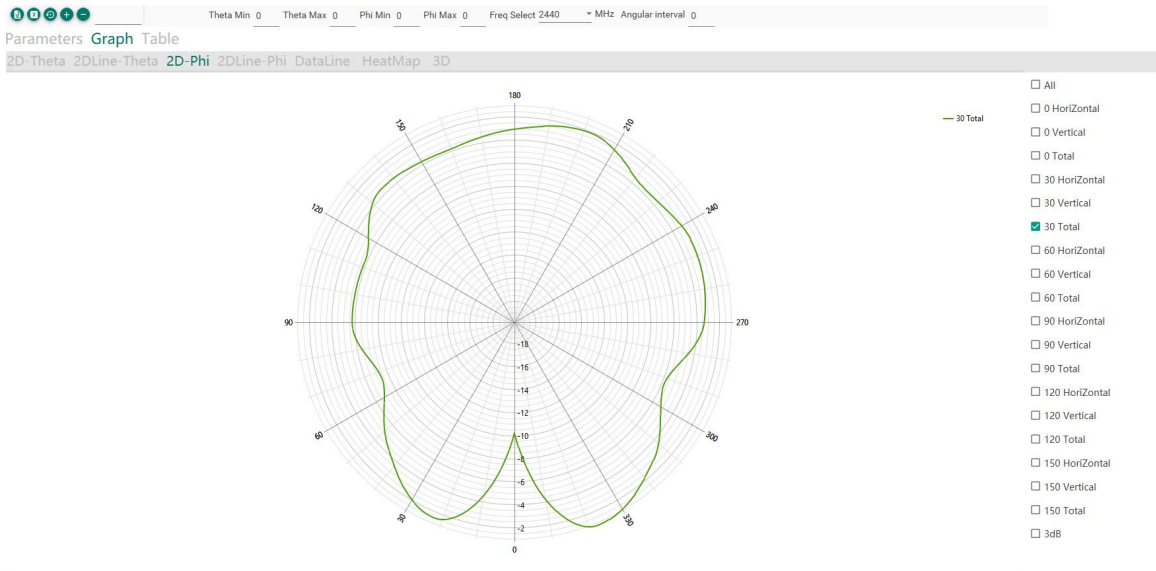
## 2480MHz 2D-Theta Pattern



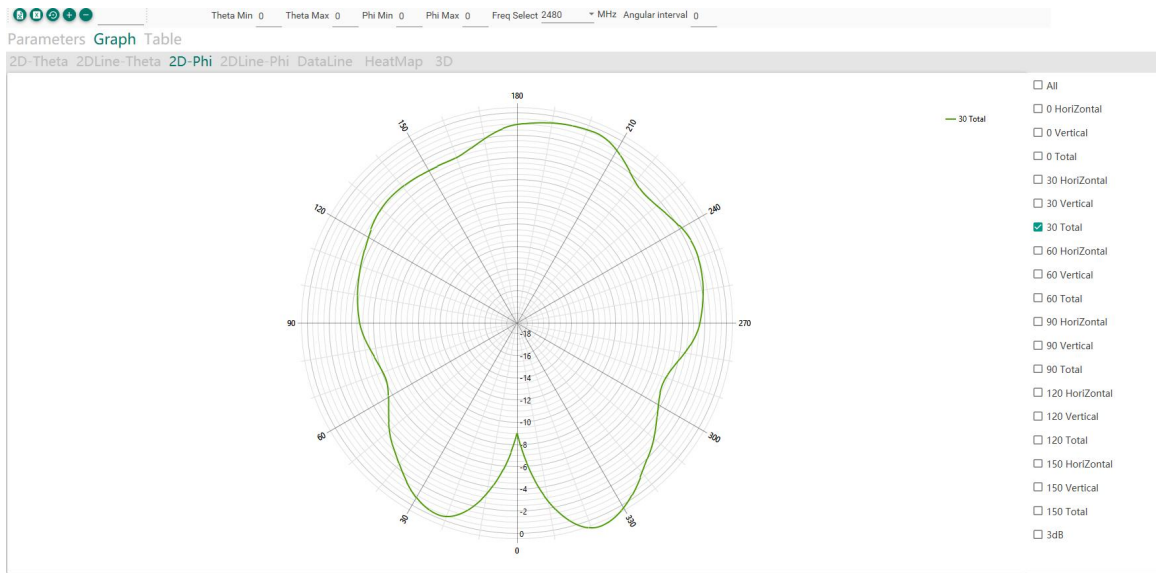
## 2400MHz 2D-Phi Pattern



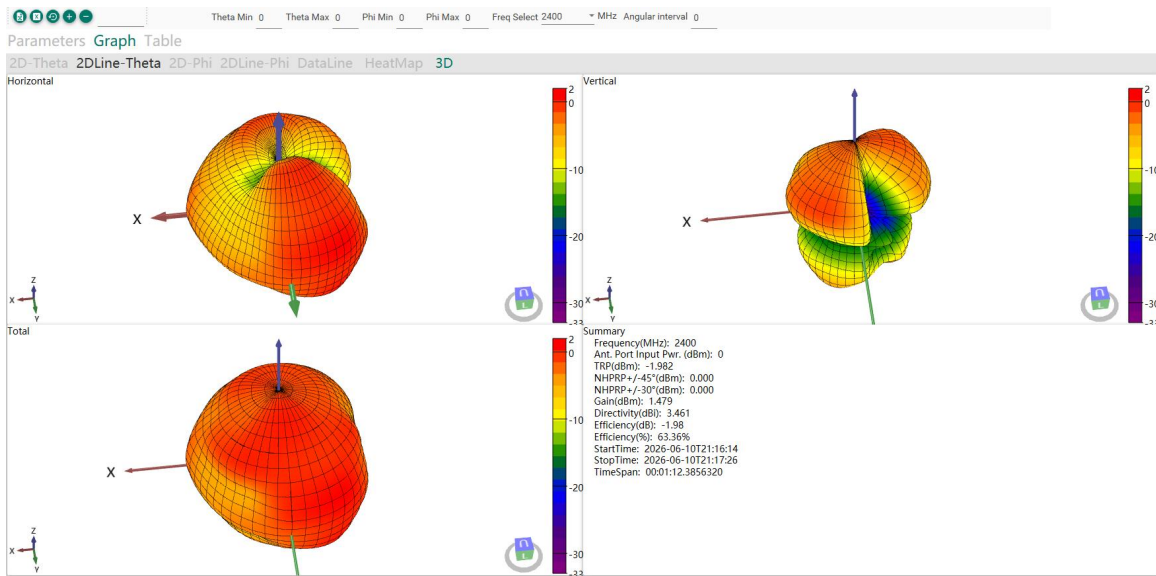
## 2440MHz 2D-Phi Pattern



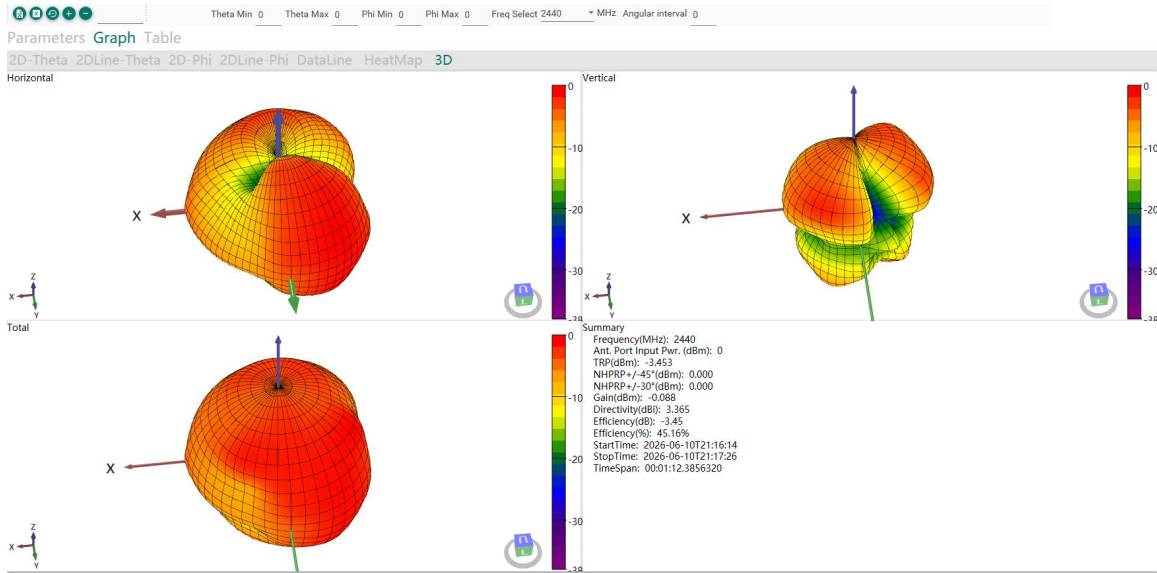
## 2480MHz 2D-Phi Pattern



## 2400MHz 3D-Total Pattern



## 2440MHz 3D-Total Pattern



## 2480MHz 3D-Total Pattern

