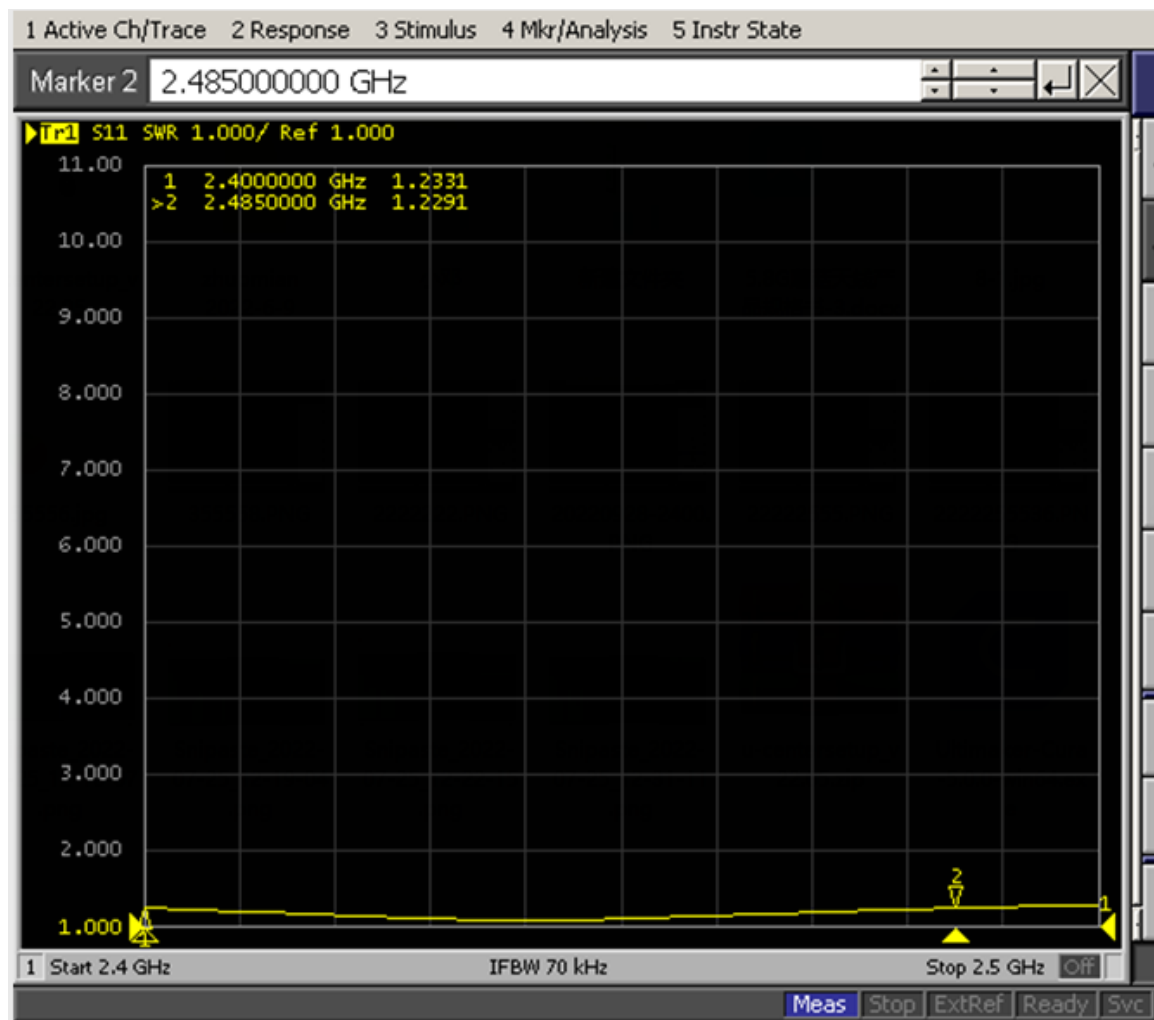
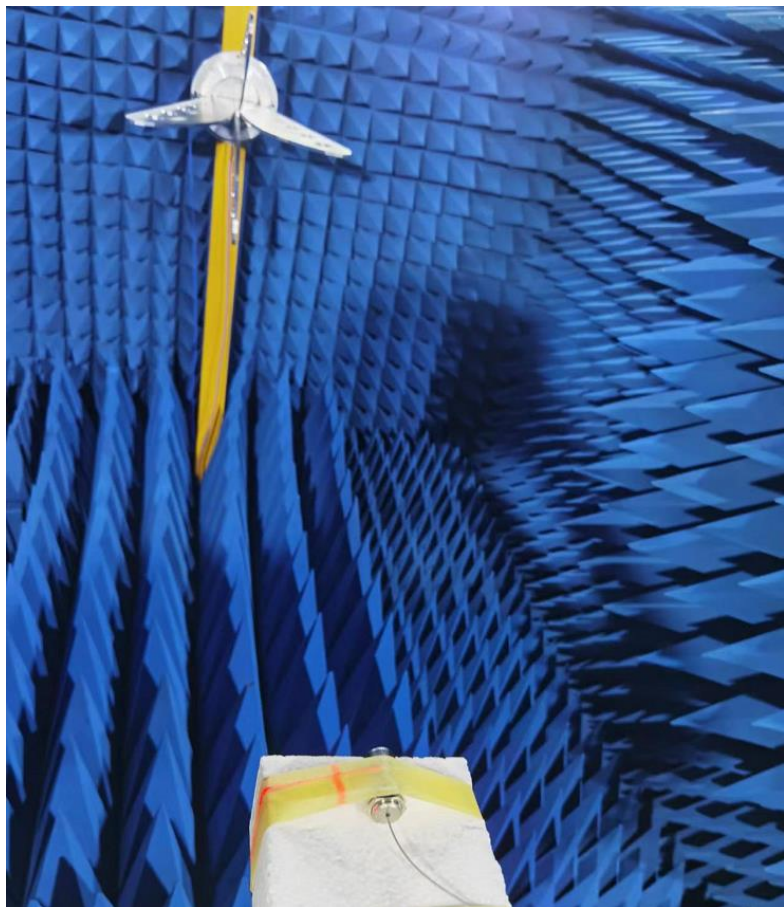


72000122B 天线测试报告

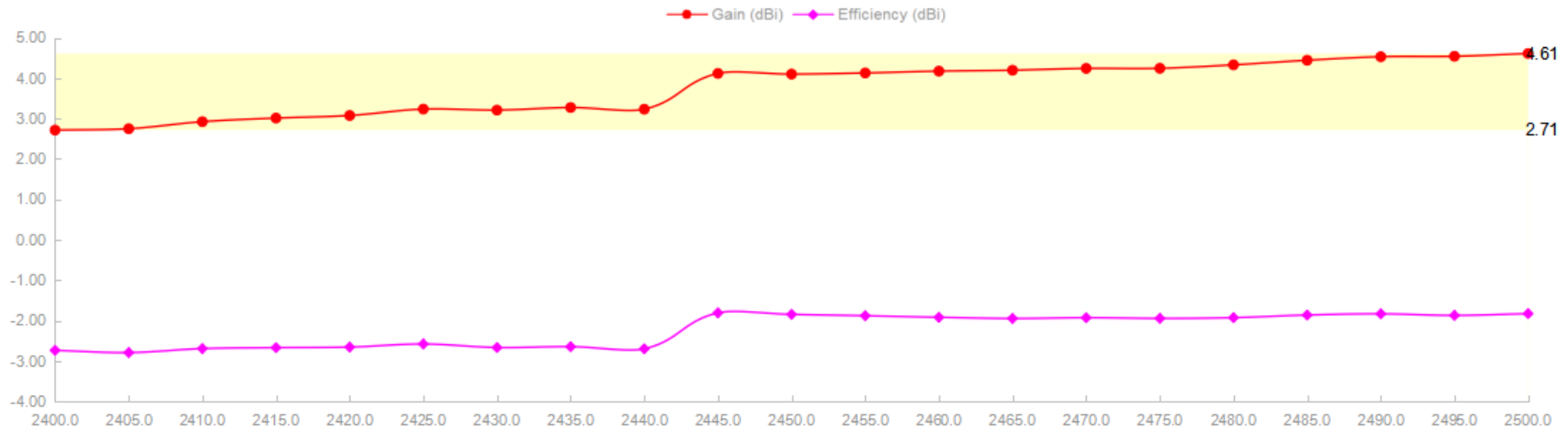
1. 天线驻波比测试

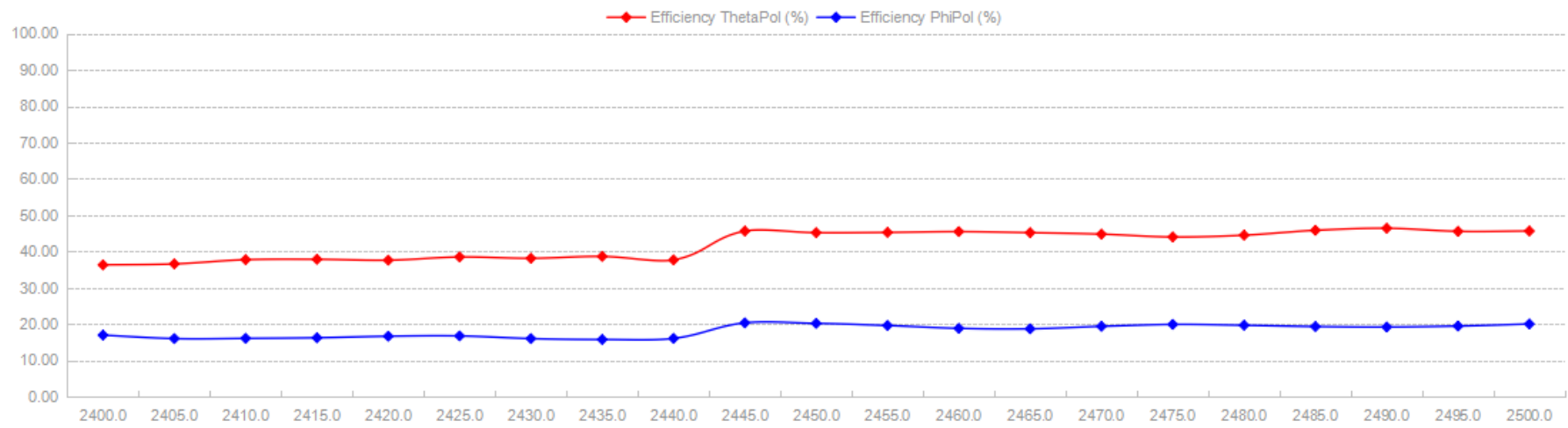


2. 天线暗室测试报告

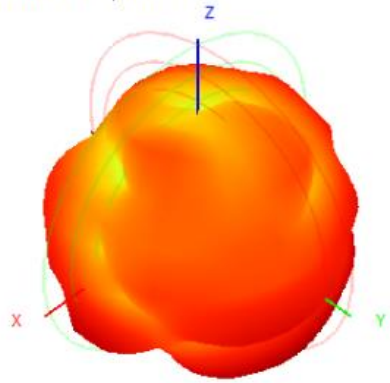


| Frequency ID | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Frequency (MHz) | 2400.0 | 2405.0 | 2410.0 | 2415.0 | 2420.0 | 2425.0 | 2430.0 | 2435.0 | 2440.0 | 2445.0 | 2450.0 | 2455.0 | 2460.0 | 2465.0 | 2470.0 | 2475.0 | 2480.0 | 2485.0 | 2490.0 | 2495.0 | 2500.0 |
| Efficiency (dBi) | -2.74 | -2.79 | -2.69 | -2.67 | -2.66 | -2.58 | -2.67 | -2.64 | -2.70 | -1.81 | -1.85 | -1.88 | -1.92 | -1.95 | -1.93 | -1.94 | -1.93 | -1.86 | -1.83 | -1.87 | -1.83 |
| Gain (dBi) | 2.71 | 2.75 | 2.92 | 3.01 | 3.08 | 3.23 | 3.21 | 3.27 | 3.23 | 4.12 | 4.10 | 4.13 | 4.17 | 4.20 | 4.24 | 4.24 | 4.33 | 4.44 | 4.53 | 4.54 | 4.61 |
| Efficiency (%) | 53.26 | 52.58 | 53.79 | 54.08 | 54.25 | 55.22 | 54.12 | 54.39 | 53.73 | 65.94 | 65.36 | 64.86 | 64.29 | 63.87 | 64.15 | 63.90 | 64.16 | 65.13 | 65.58 | 64.99 | 65.65 |
| Directivity (dB) | 5.45 | 5.54 | 5.62 | 5.68 | 5.73 | 5.81 | 5.88 | 5.92 | 5.93 | 5.93 | 5.95 | 6.01 | 6.09 | 6.14 | 6.17 | 6.19 | 6.26 | 6.30 | 6.36 | 6.41 | 6.44 |
| Peak Gain Position (Theta) | 120.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 |
| Peak Gain Position (Phi) | 105.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| Efficiency ThetaPol (%) | 36.30 | 36.57 | 37.73 | 37.84 | 37.59 | 38.47 | 38.11 | 38.63 | 37.67 | 45.61 | 45.17 | 45.24 | 45.46 | 45.17 | 44.76 | 43.99 | 44.47 | 45.82 | 46.38 | 45.53 | 45.62 |
| Efficiency PhiPol (%) | 16.96 | 16.01 | 16.07 | 16.24 | 16.66 | 16.75 | 16.01 | 15.76 | 16.06 | 20.33 | 20.20 | 19.62 | 18.83 | 18.70 | 19.38 | 19.91 | 19.69 | 19.32 | 19.20 | 19.46 | 20.03 |
| Upper Hem. Efficiency (%) | 16.18 | 15.99 | 16.44 | 16.62 | 16.71 | 17.06 | 16.80 | 16.98 | 16.82 | 20.70 | 20.55 | 20.36 | 20.14 | 20.05 | 20.16 | 20.05 | 20.13 | 20.47 | 20.59 | 20.35 | 20.51 |
| Lower Hem. Efficiency (%) | 37.08 | 36.59 | 37.35 | 37.46 | 37.54 | 38.16 | 37.31 | 37.41 | 36.91 | 45.24 | 44.81 | 44.50 | 44.15 | 43.82 | 43.99 | 43.85 | 44.03 | 44.67 | 44.99 | 44.65 | 45.14 |

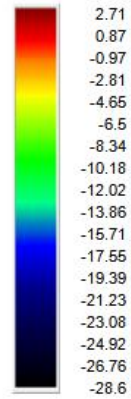
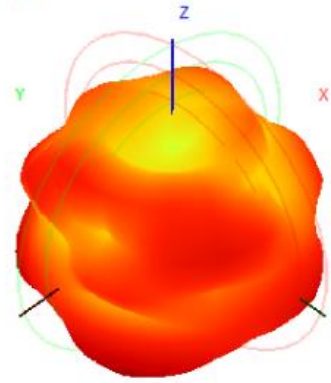




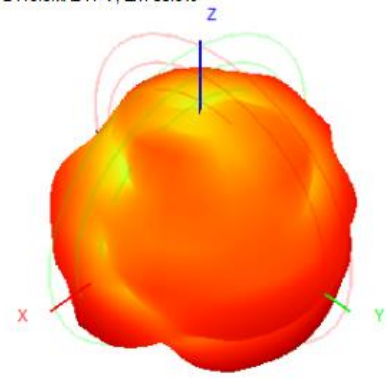
2400.0MHz H+V, Eff: 53.3%



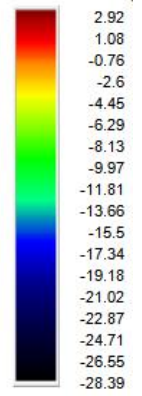
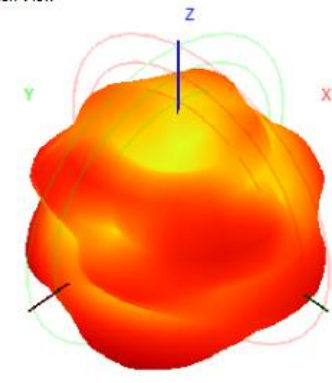
Back View



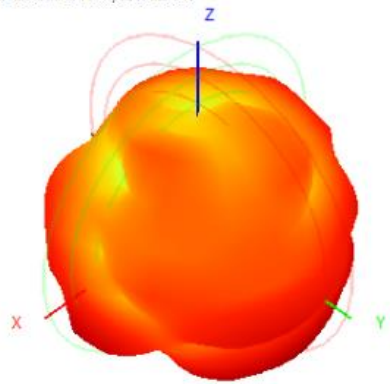
2410.0MHz H+V, Eff: 53.8%



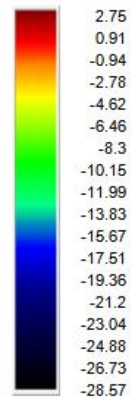
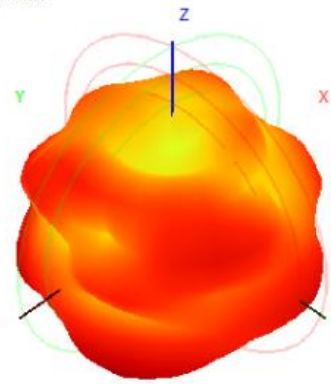
Back View



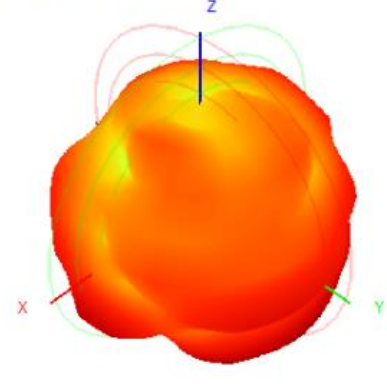
2405.0MHz H+V, Eff: 52.6%



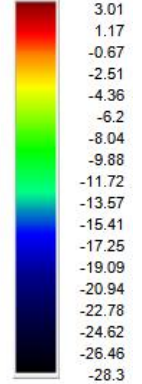
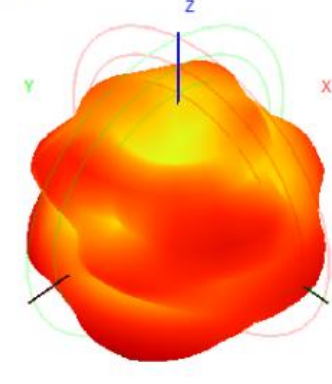
Back View



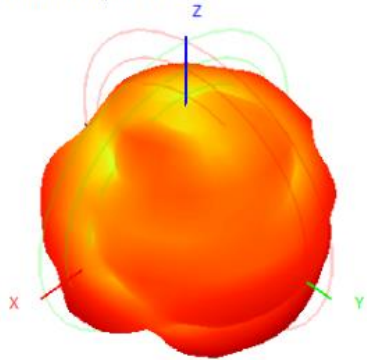
2415.0MHz H+V, Eff: 54.1%



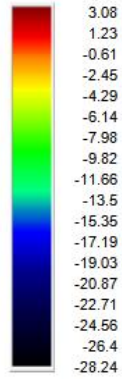
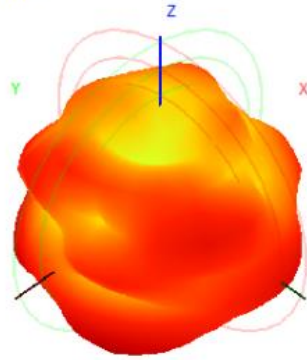
Back View



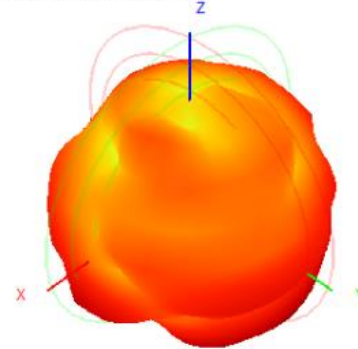
2420.0MHz H+V, Eff: 54.3%



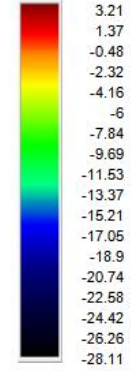
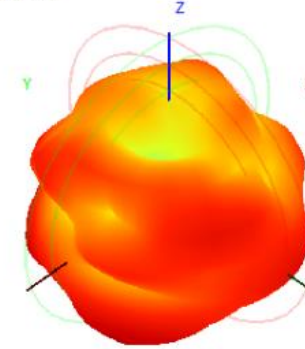
Back View



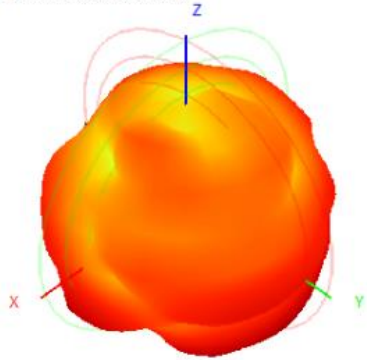
2430.0MHz H+V, Eff: 54.1%



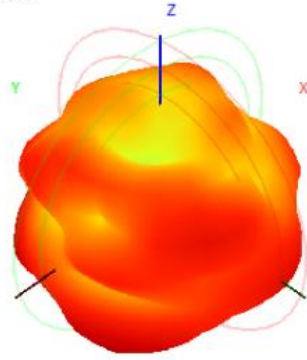
Back View



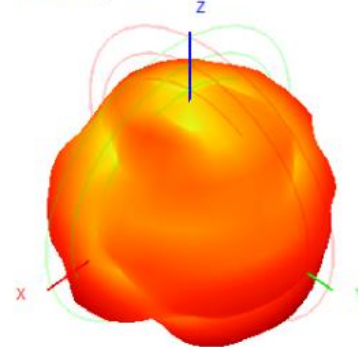
2425.0MHz H+V, Eff: 55.2%



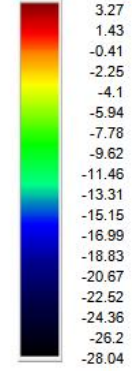
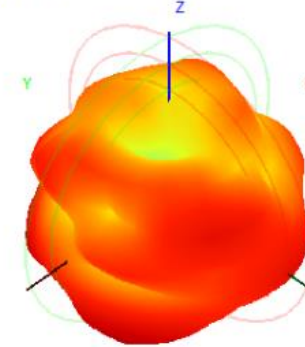
Back View



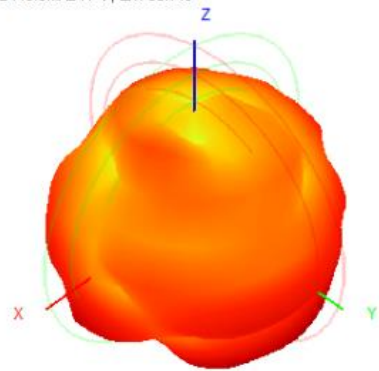
2435.0MHz H+V, Eff: 54.4%



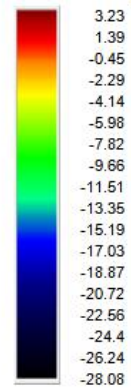
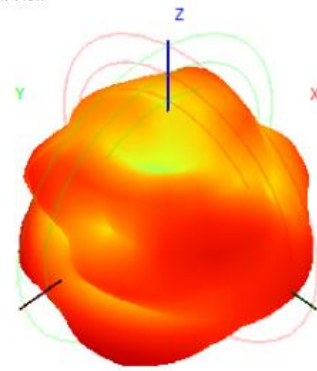
Back View



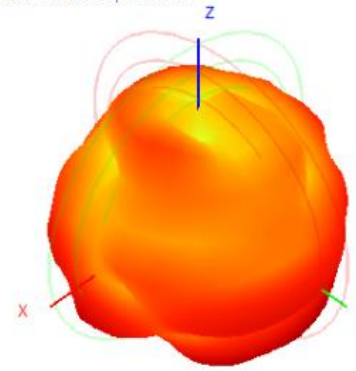
2440.0MHz H+V, Eff: 53.7%



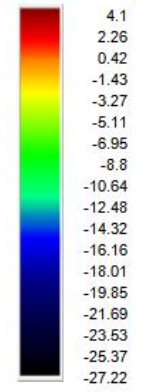
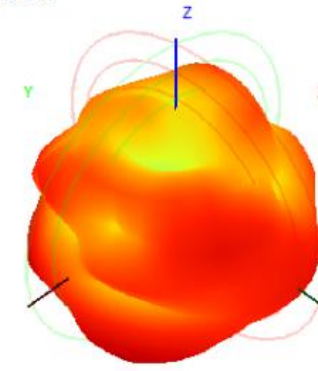
Back View



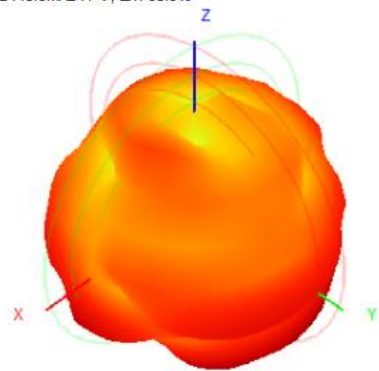
2450.0MHz H+V, Eff: 65.4%



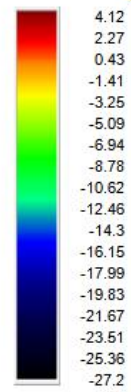
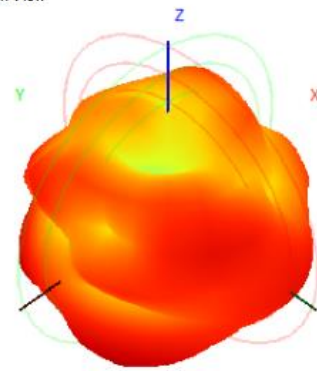
Back View



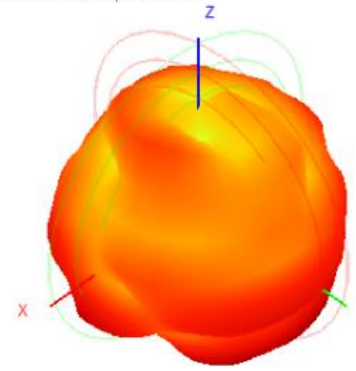
2445.0MHz H+V, Eff: 65.9%



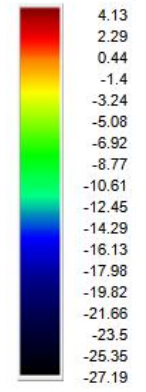
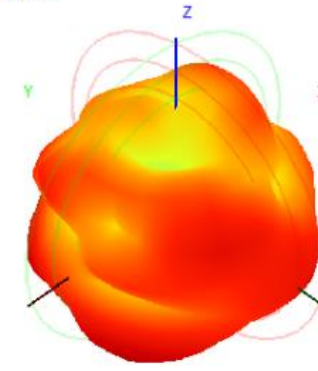
Back View



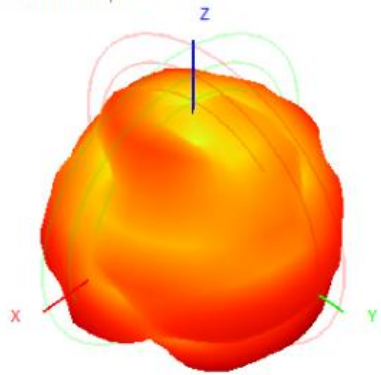
2455.0MHz H+V, Eff: 64.9%



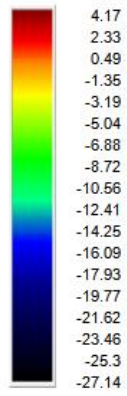
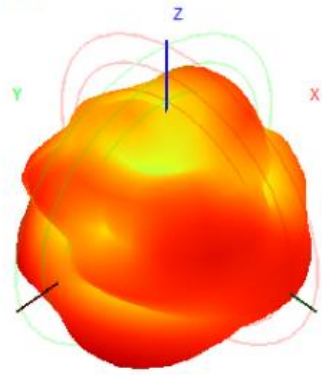
Back View



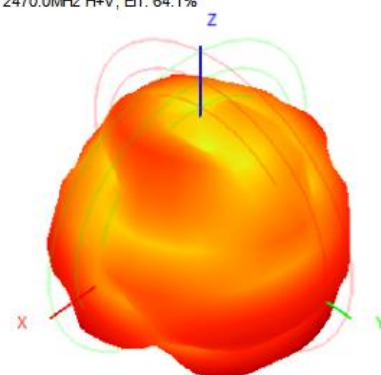
2460.0MHz H+V, Eff: 64.3%



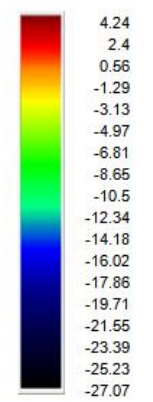
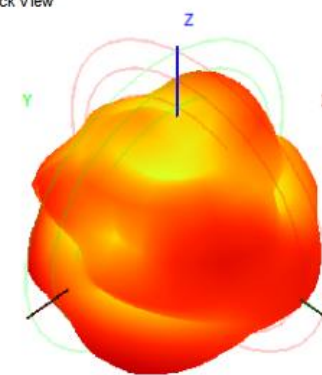
Back View



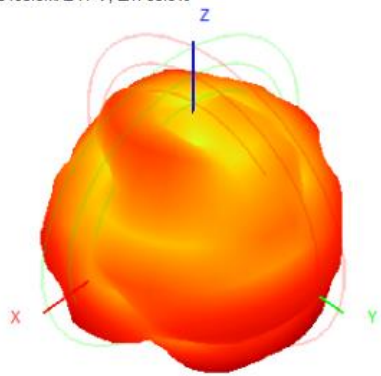
2470.0MHz H+V, Eff: 64.1%



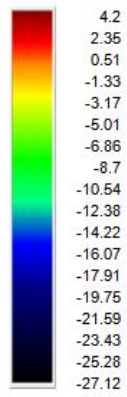
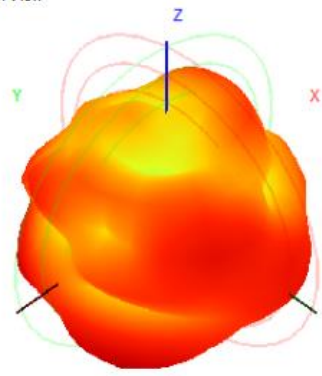
Back View



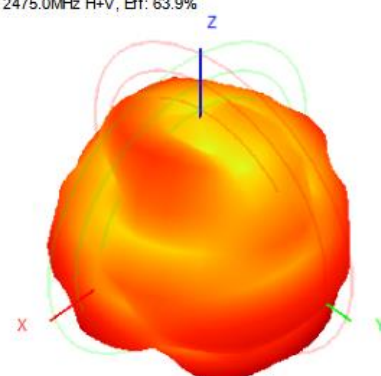
2465.0MHz H+V, Eff: 63.9%



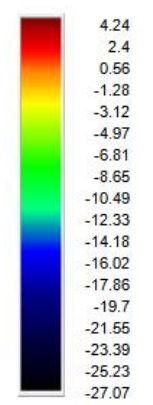
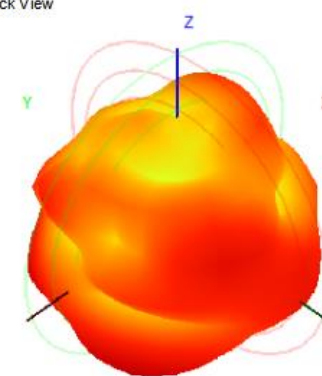
Back View



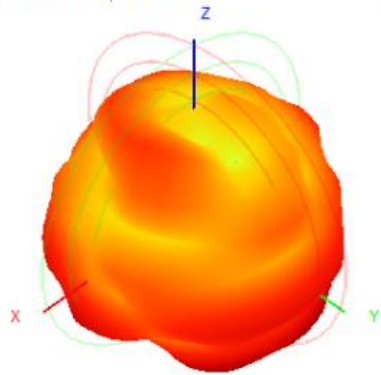
2475.0MHz H+V, Eff: 63.9%



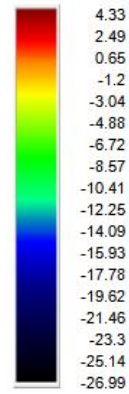
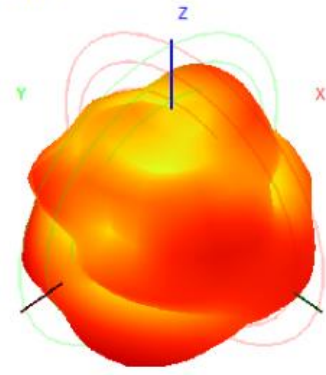
Back View



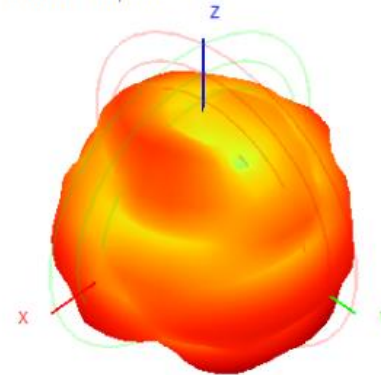
2480.0MHz H+V, Eff: 64.2%



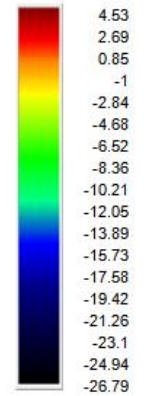
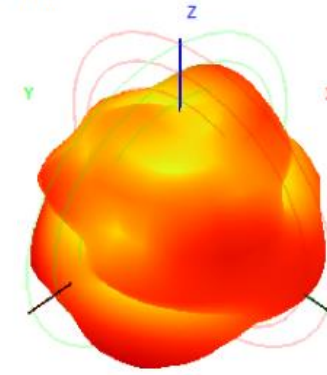
Back View



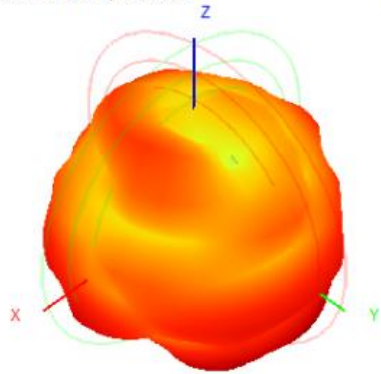
2490.0MHz H+V, Eff: 65.6%



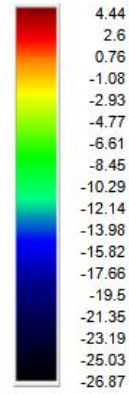
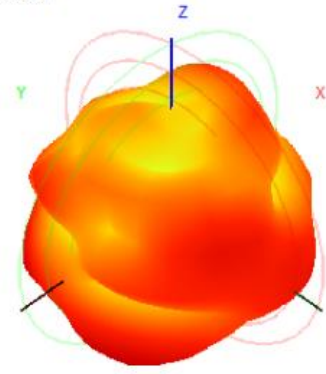
Back View



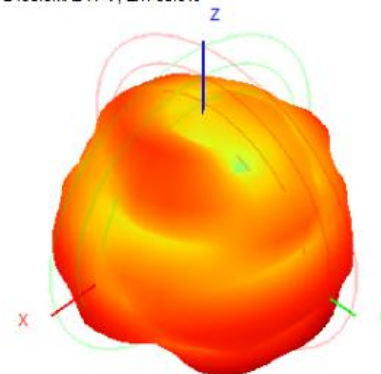
2485.0MHz H+V, Eff: 65.1%



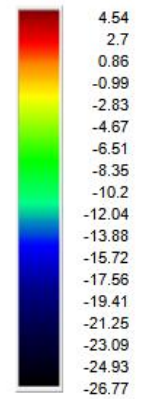
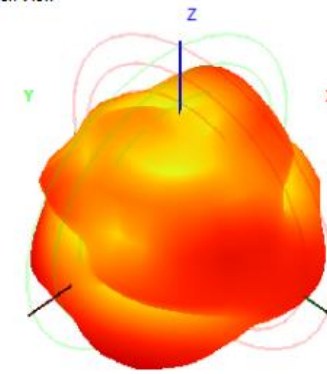
Back View



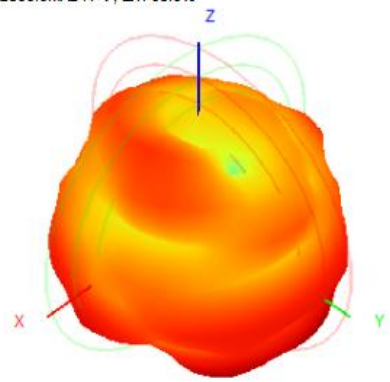
2495.0MHz H+V, Eff: 65.0%



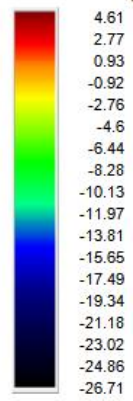
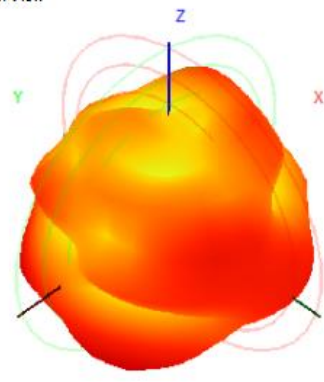
Back View



2500.0MHz H+V, Eff: 65.6%



Back View



| No. | Modification | modification date |
|-----|--------------|-------------------|
| 1 | | |
| 2 | | |

Specification description

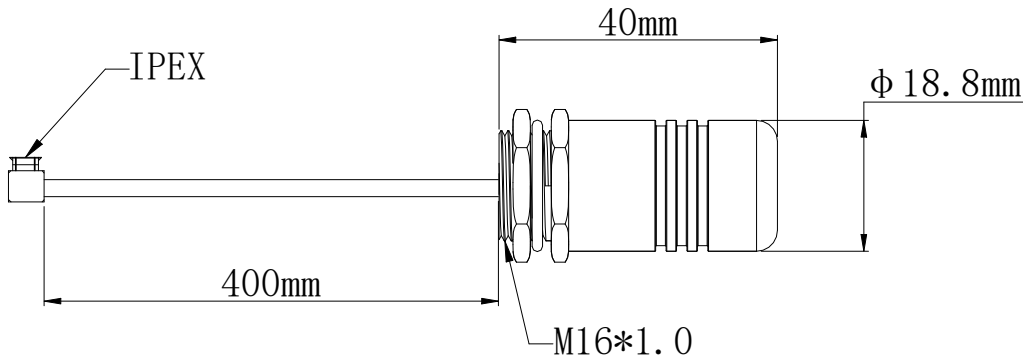
quantity

RF1.13 One gray wire with input impedance of 50 Ω, 400MM long connecting wire, one end with IPEX plug, and the other end with nut and gasket as shown in the figure, with nut and waterproof rubber gasket.

1

Electrical performance:

1. Frequency Range: 2400–2500MHz
2. Antenna Gain: Max 4.61dBi
3. Operating temperature: -40°C to 85°C
4. Degree of protection: IP65



Controlled original/copy:

Company seal:

| | | | | |
|----------|-----|----------|----------|----|
| approval | | | size | MM |
| examine | 黄集胜 | 22.03.04 | page | 1 |
| author | 张志朋 | 22.03.04 | Revision | B版 |