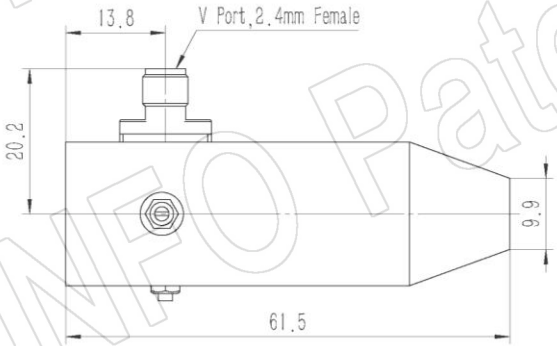
## Technical Specification

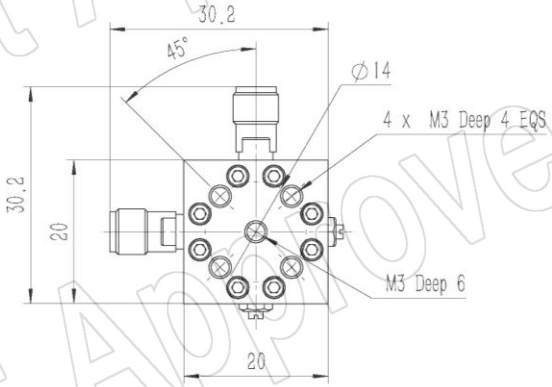
| | |
|---|---|
| Frequency Range(GHz) | 18.0 – 50.0 |
| Gain(dBi) | 8 Typ. |
| Polarization | Dual Pol. |
| 3dB Beamwidth(deg) | 84 - 41 |
| Cross Pol. Isolation(dB) | 30 Typ.; 20 Min. |
| Port to Port Isolation(dB) | 30 Typ.; 20 Min. |
| VSWR | 2.0:1 Typ. |
| | 3.0:1 Max. |
| Connector | 2.4mm-Female |
| Power Handling(W CW) | 10 Max. |
| Material | Al |
| Size(mm) | 30.2 x 30.2 x 61.5 |
| Net Weight(Kg) | 0.08 Around |

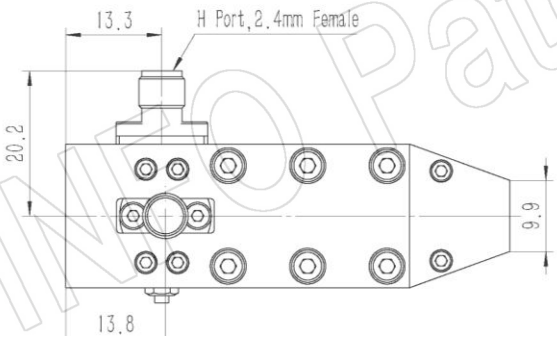
**PATENT ID (China)** **ZL202030751611.6**

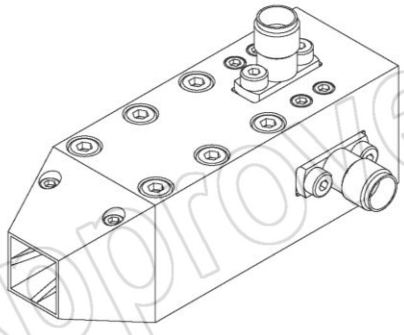
## Outline Drawing (Size: mm)

2.4mm-Female Output (P/N: LB-SJ-180500L-2.4F)





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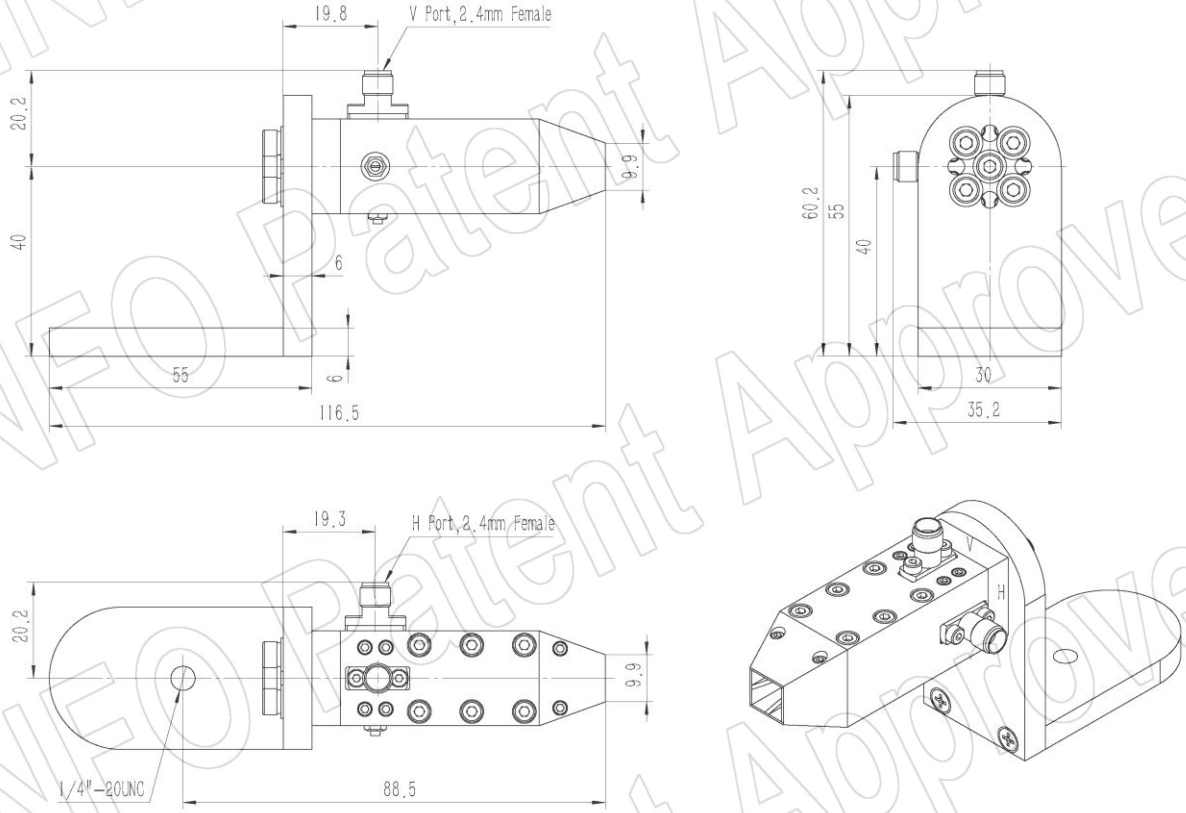
2.4mm-Female Output with L Type Mounting Bracket (Option, P/N: LB-SJ-180400-L)

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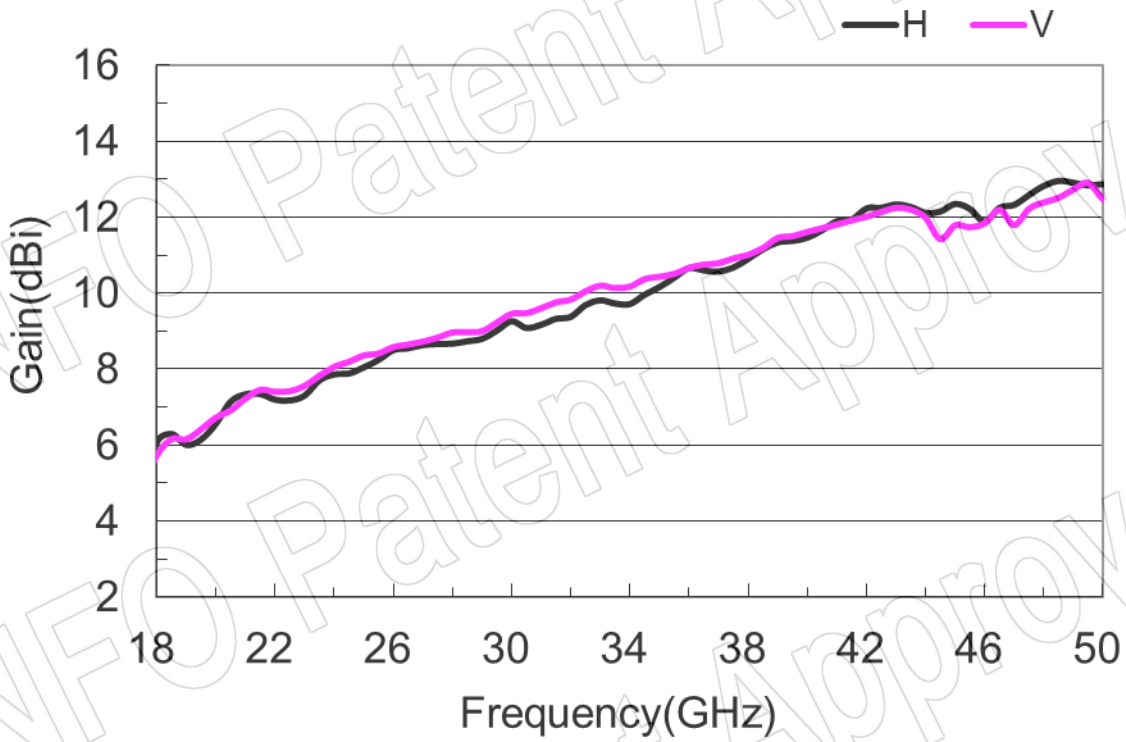
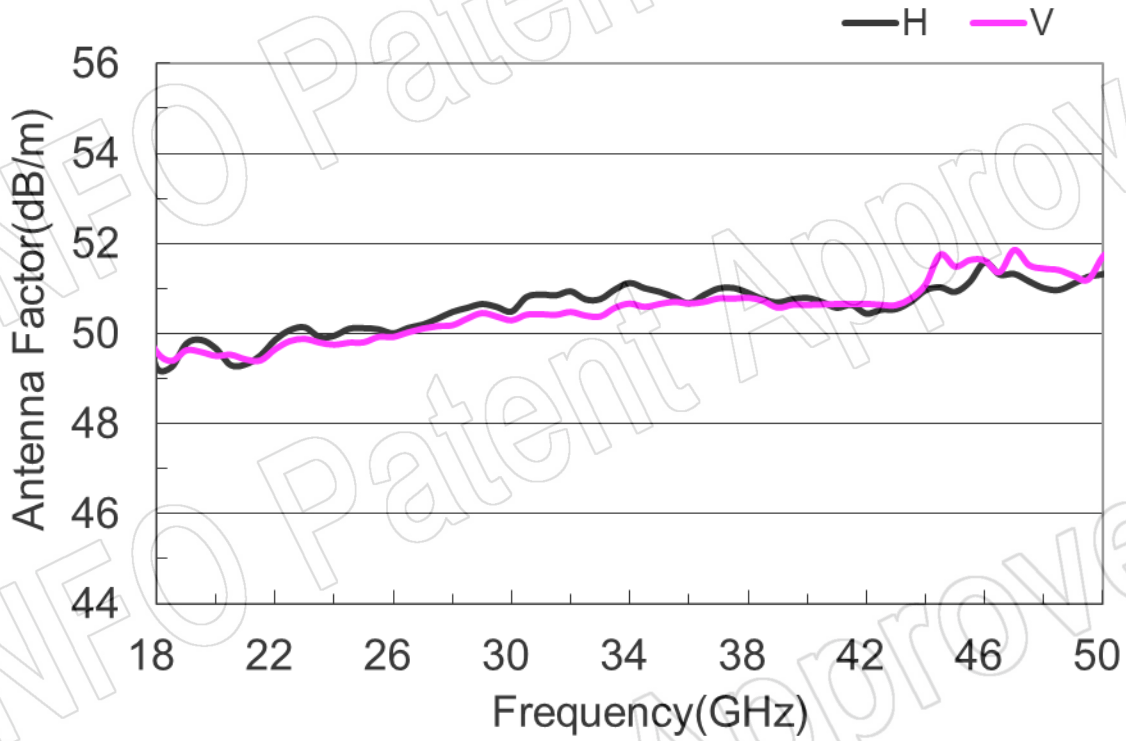
## Test Results

### 1. Gain & Antenna Factor





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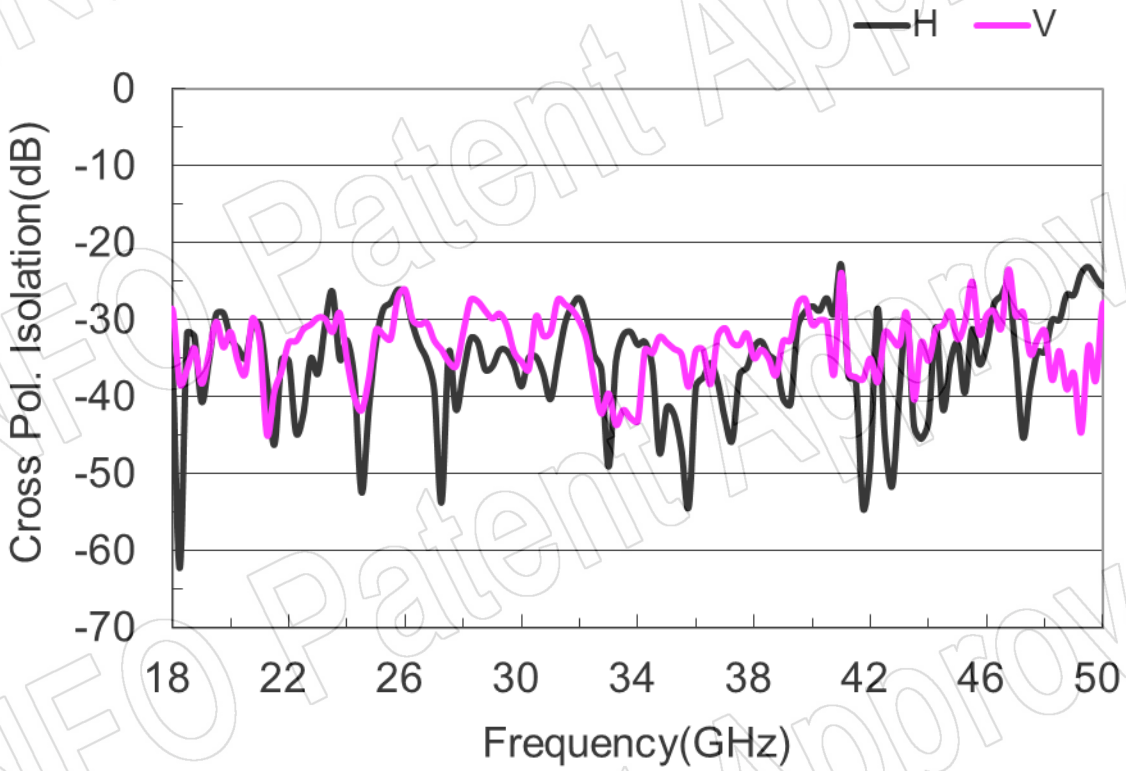
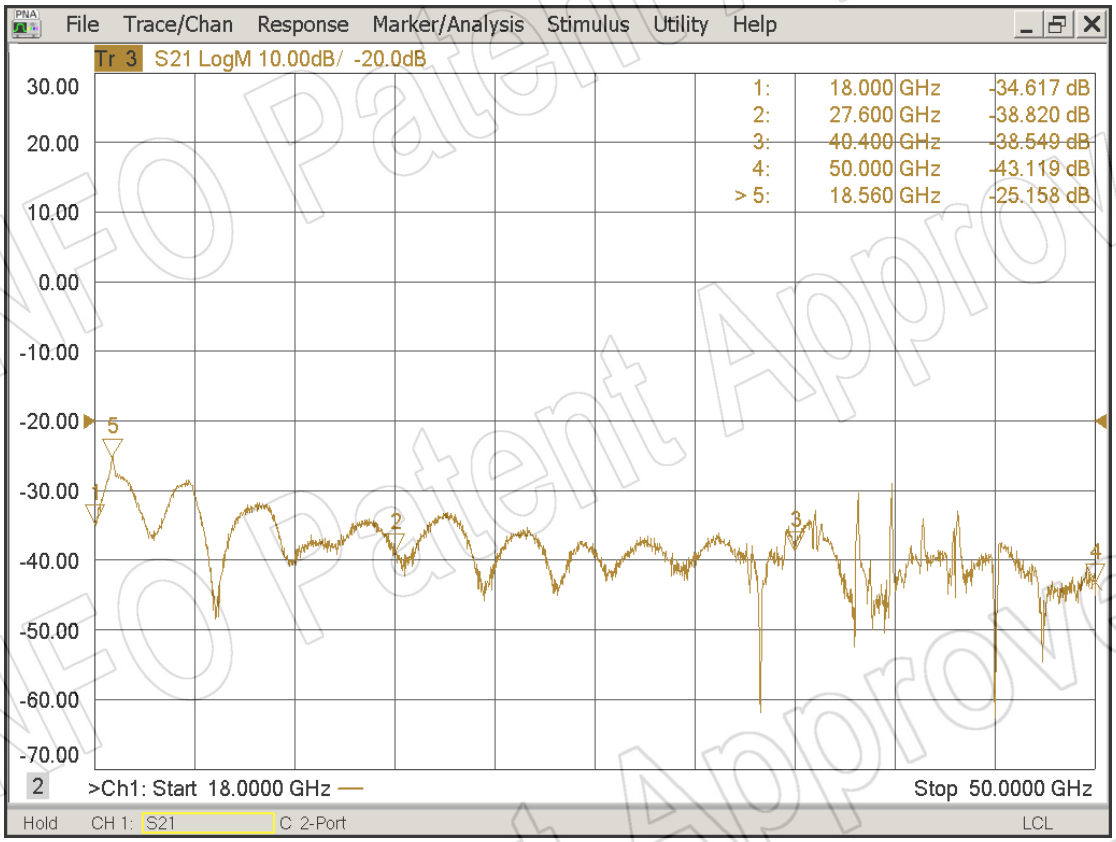
## 2. Cross Polarization Isolation




## 3. Port to Port Isolation



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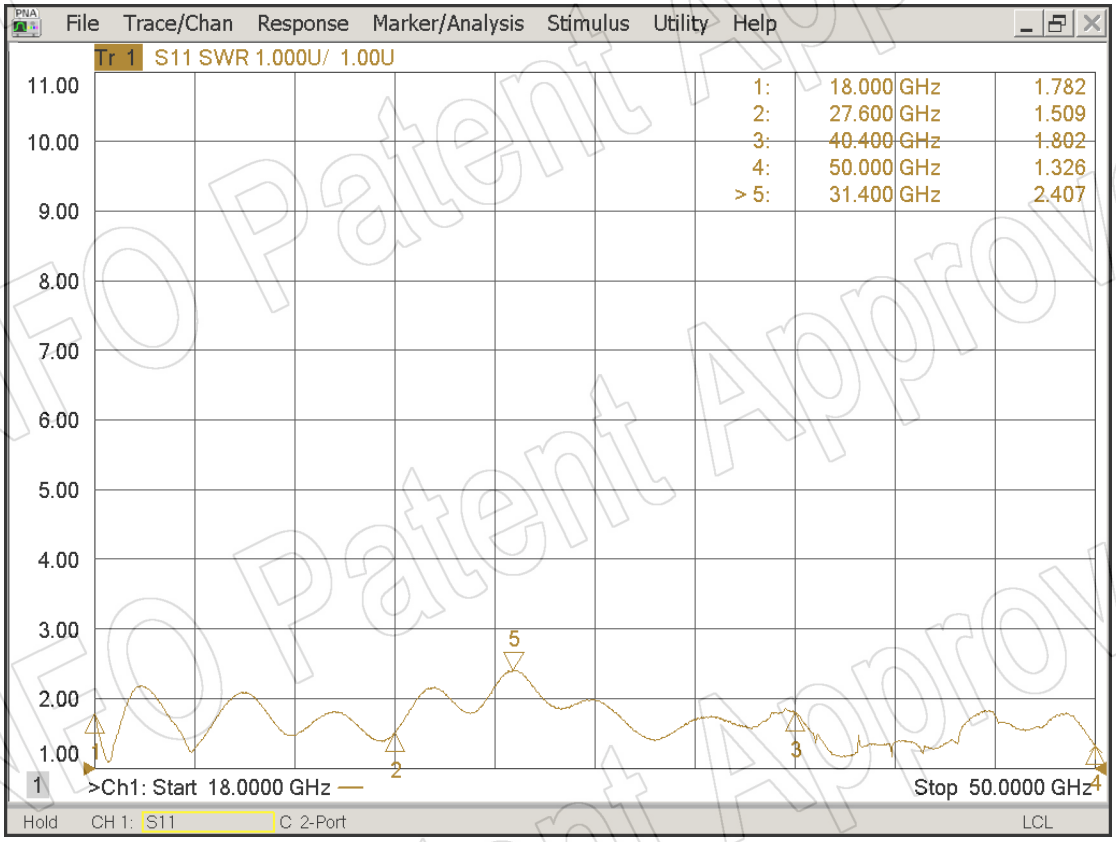
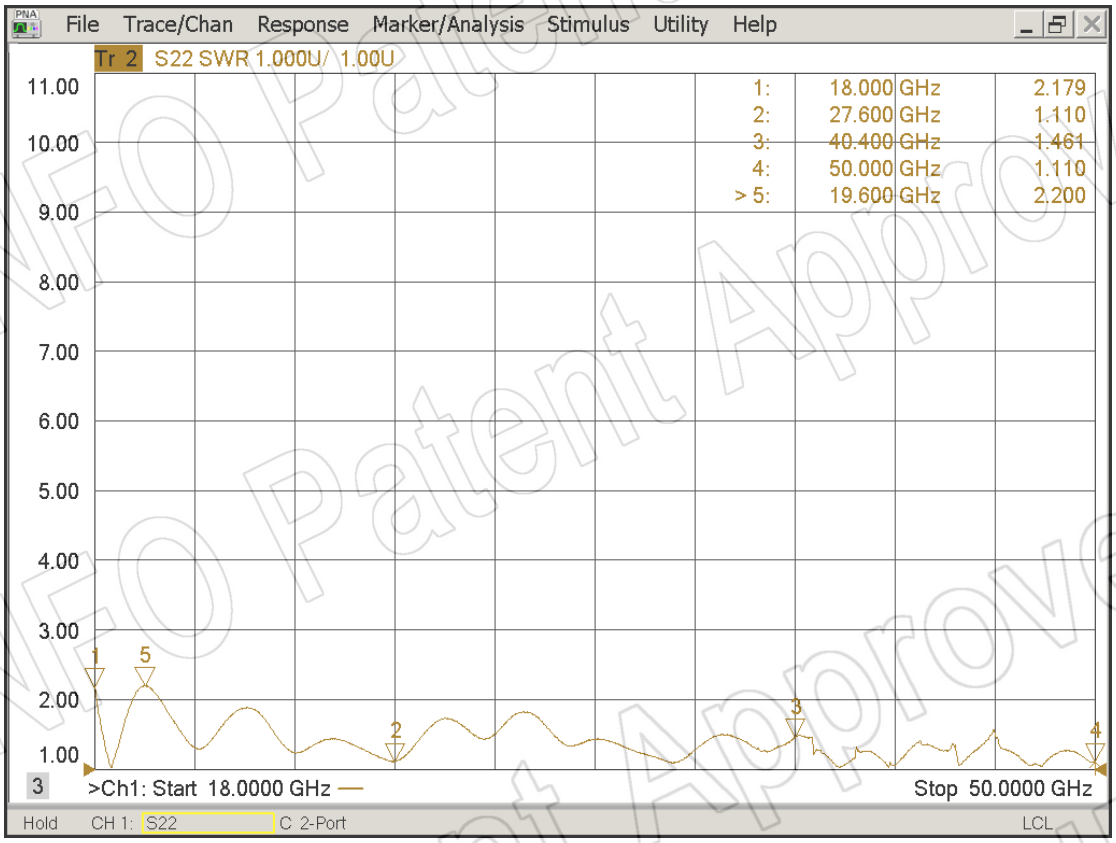
## 4. VSWR

### Port-H




### Port-V



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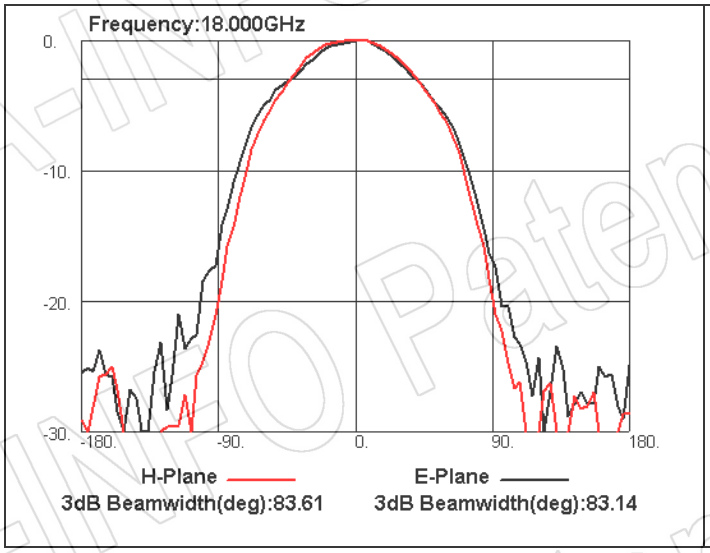
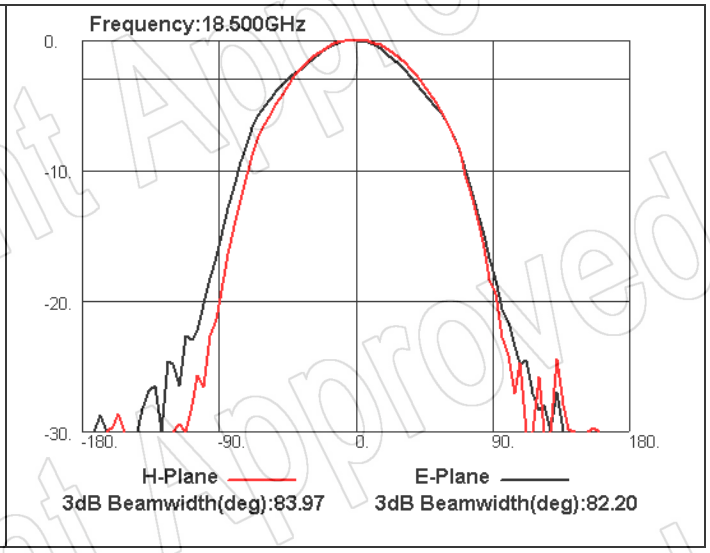
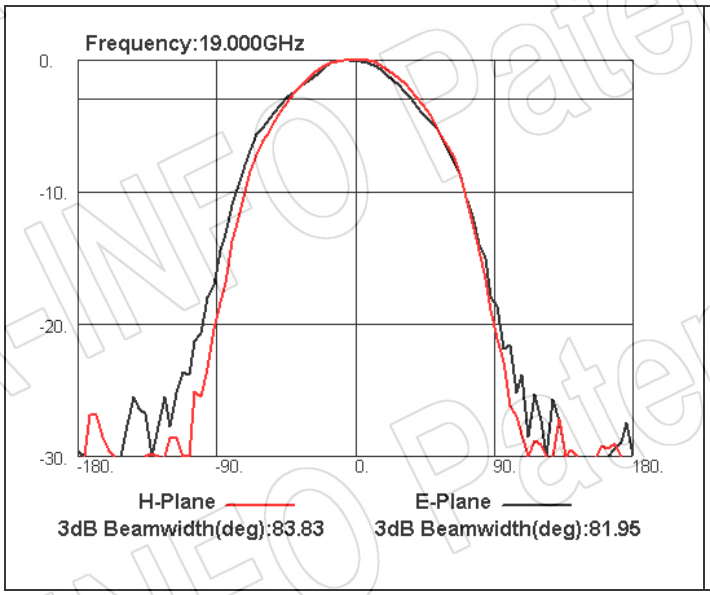
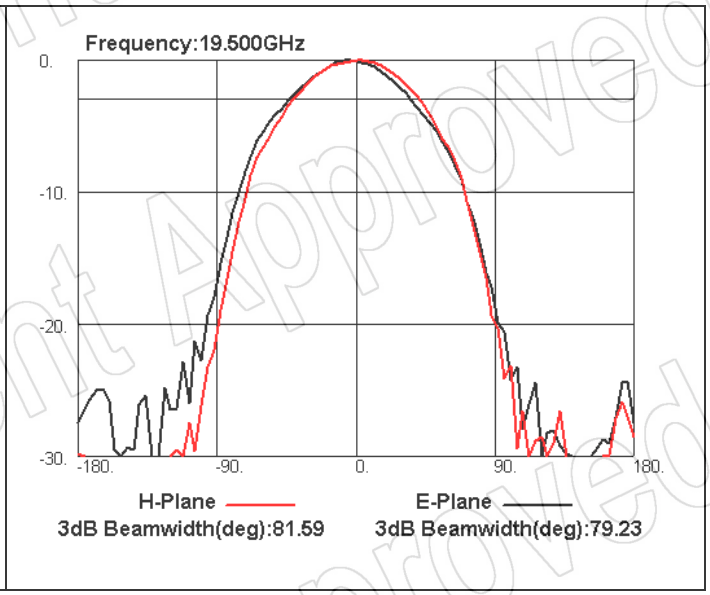
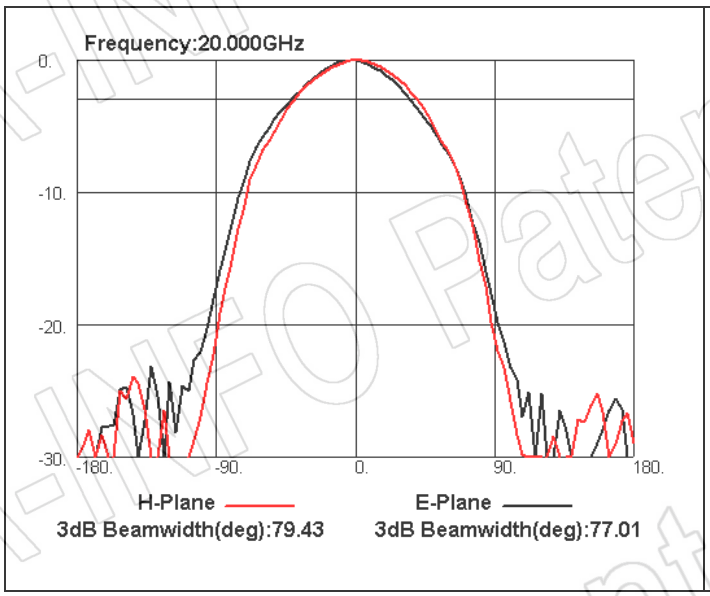
## 5. Pattern

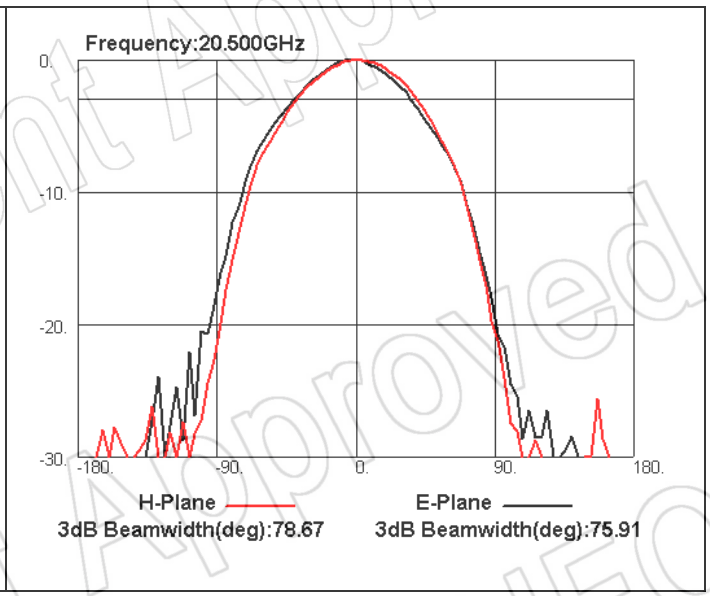


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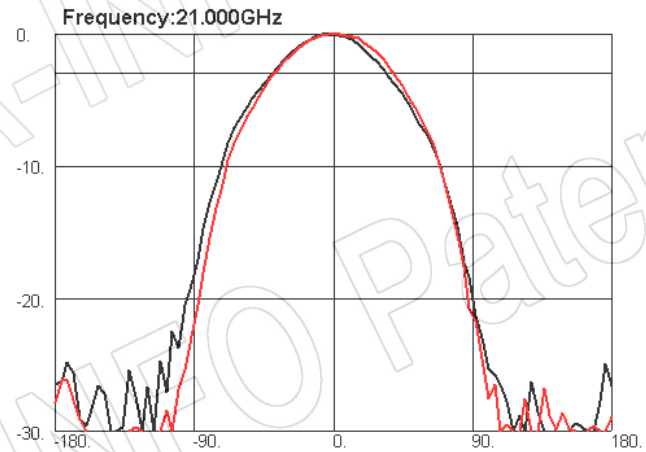
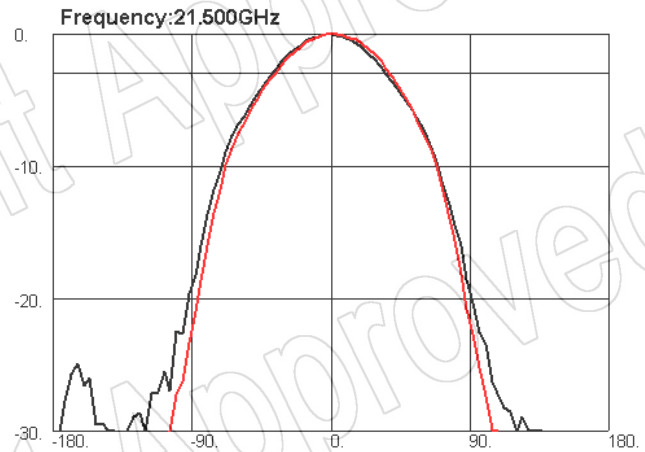
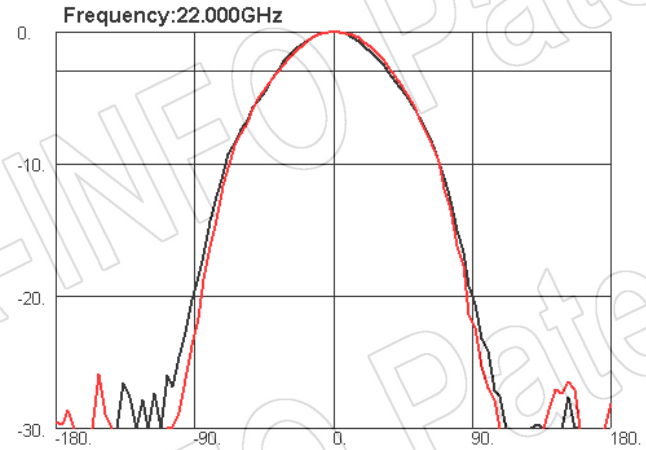


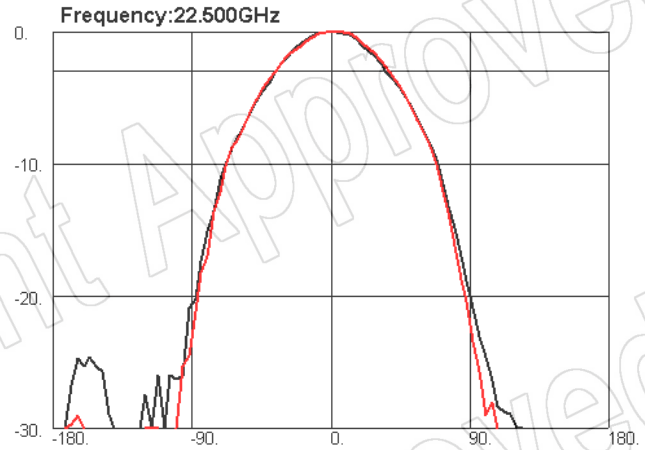

3dB Beamwidth(deg):77.60 3dB Beamwidth(deg):73.37



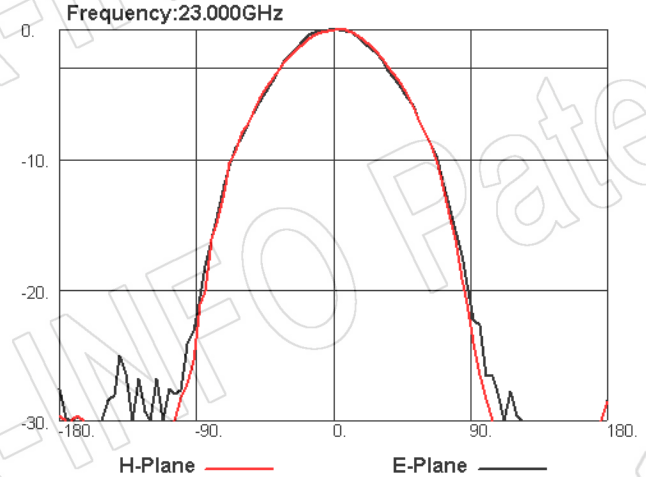

3dB Beamwidth(deg):74.60 3dB Beamwidth(deg):73.83



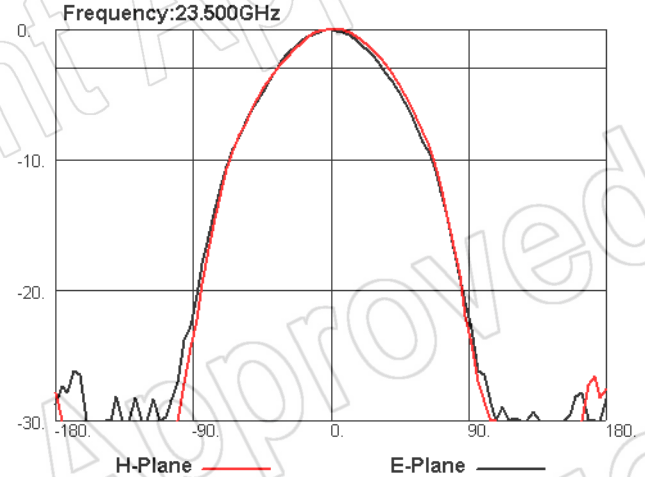

3dB Beamwidth(deg):74.00 3dB Beamwidth(deg):72.27




3dB Beamwidth(deg):74.07 3dB Beamwidth(deg):71.74




3dB Beamwidth(deg):72.28 3dB Beamwidth(deg):70.88




3dB Beamwidth(deg):73.23 3dB Beamwidth(deg):69.05



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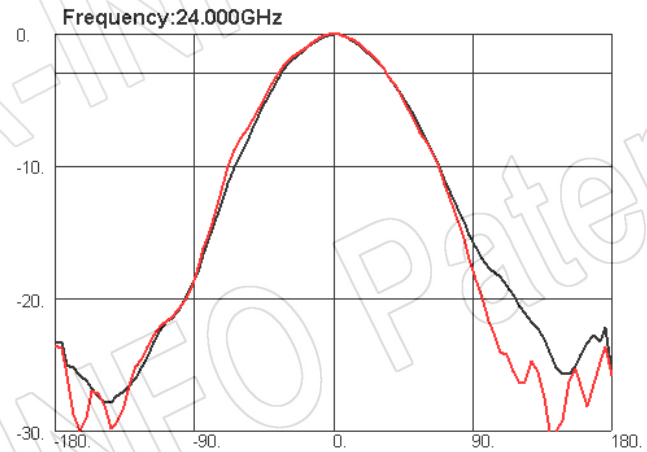
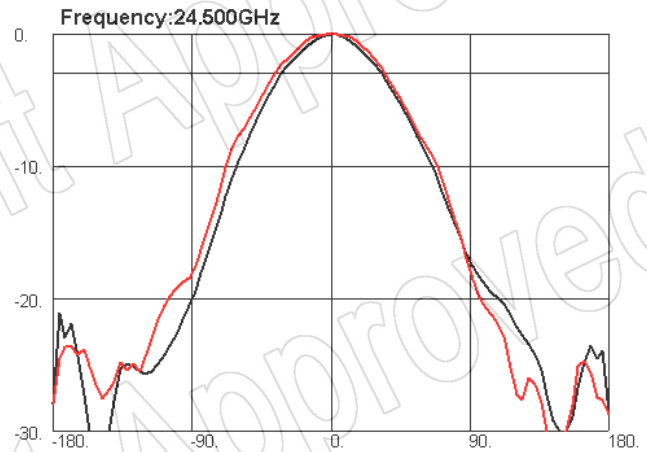
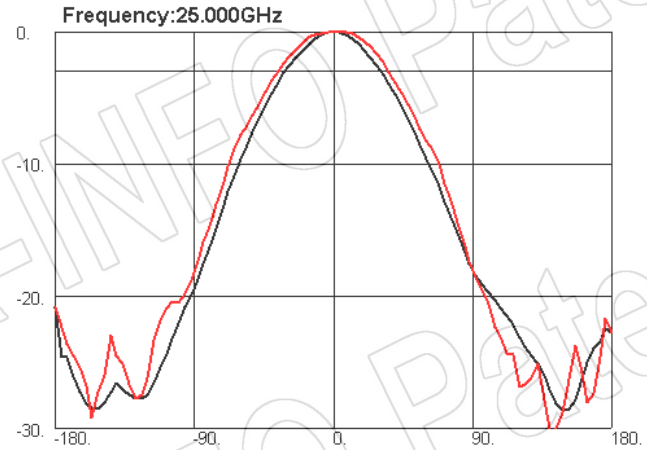


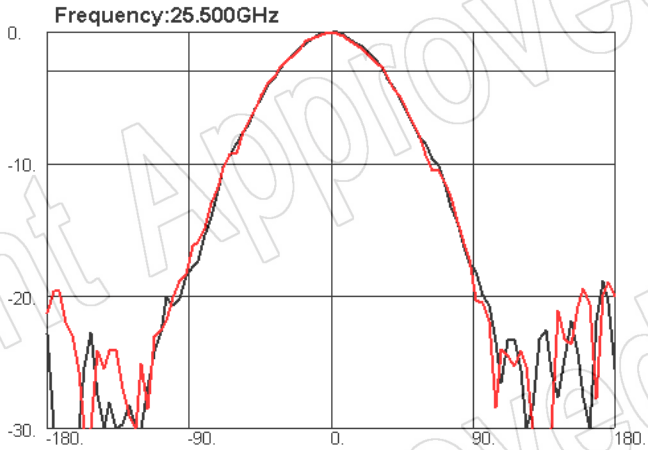

H-Plane 3dB Beamwidth(deg):70.44
E-Plane 3dB Beamwidth(deg):68.28



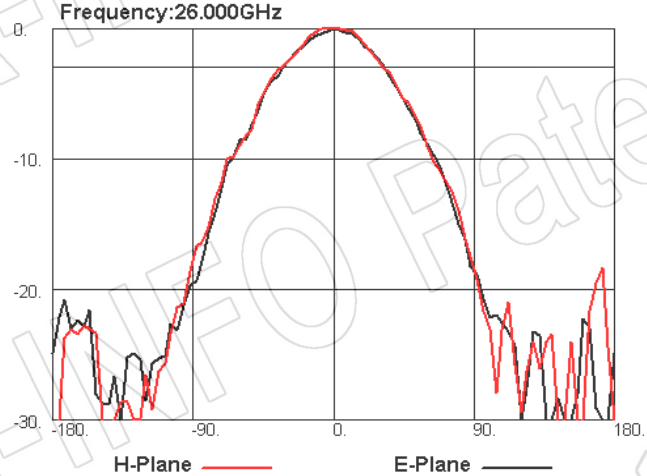

H-Plane 3dB Beamwidth(deg):71.57
E-Plane 3dB Beamwidth(deg):64.51



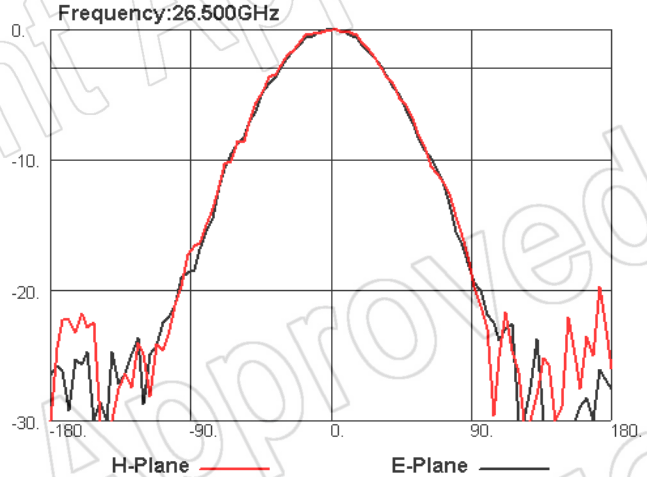

H-Plane 3dB Beamwidth(deg):71.68
E-Plane 3dB Beamwidth(deg):61.54




H-Plane 3dB Beamwidth(deg):67.77
E-Plane 3dB Beamwidth(deg):66.79




H-Plane 3dB Beamwidth(deg):65.16
E-Plane 3dB Beamwidth(deg):64.33




H-Plane 3dB Beamwidth(deg):65.30
E-Plane 3dB Beamwidth(deg):64.79

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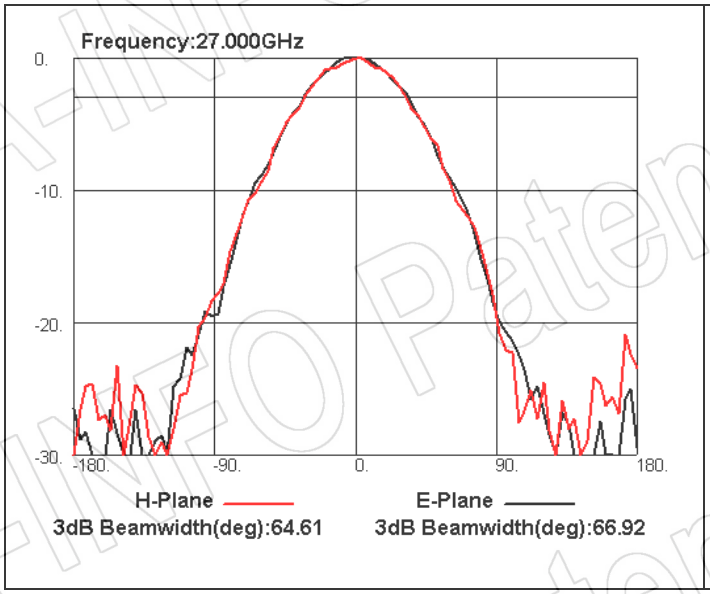


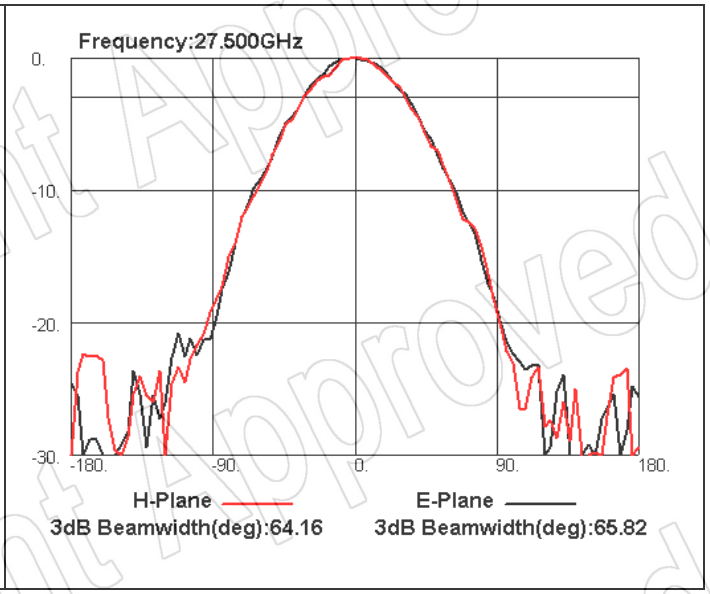


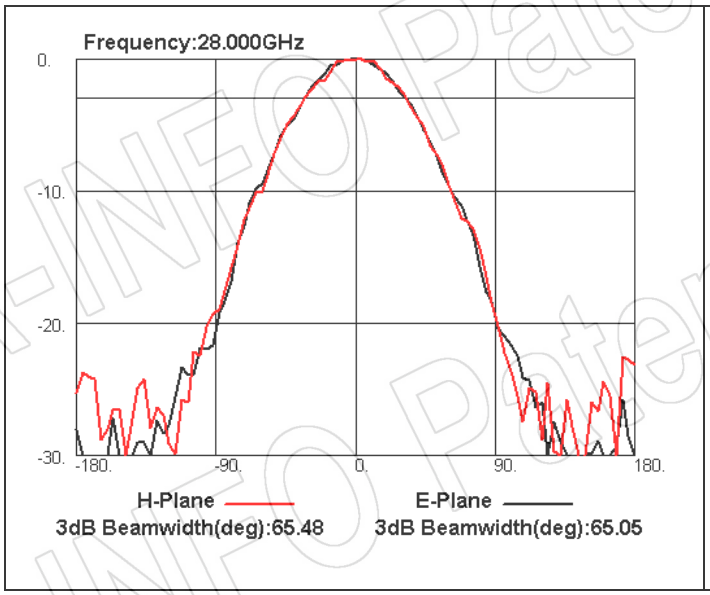


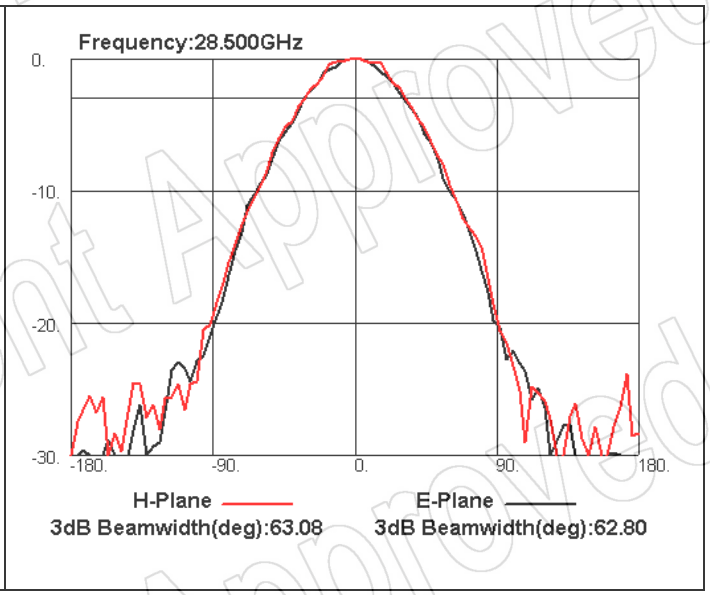


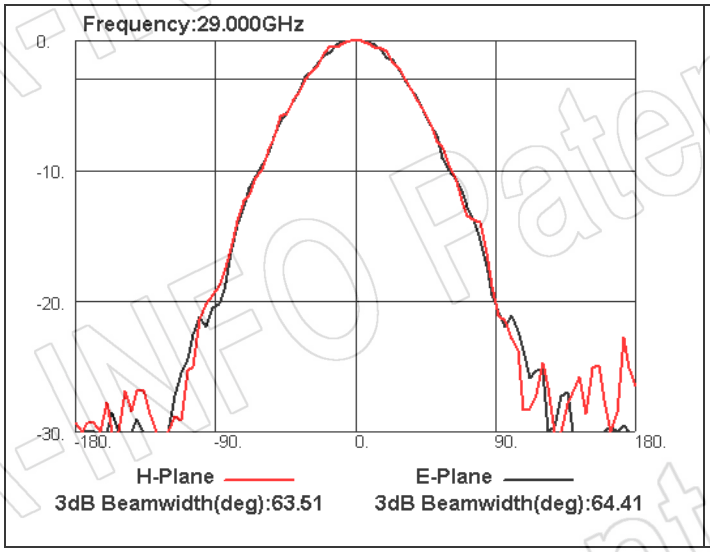


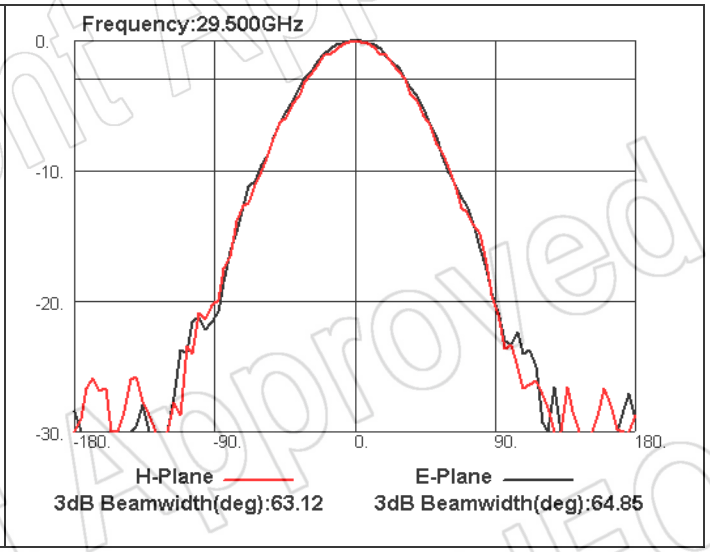




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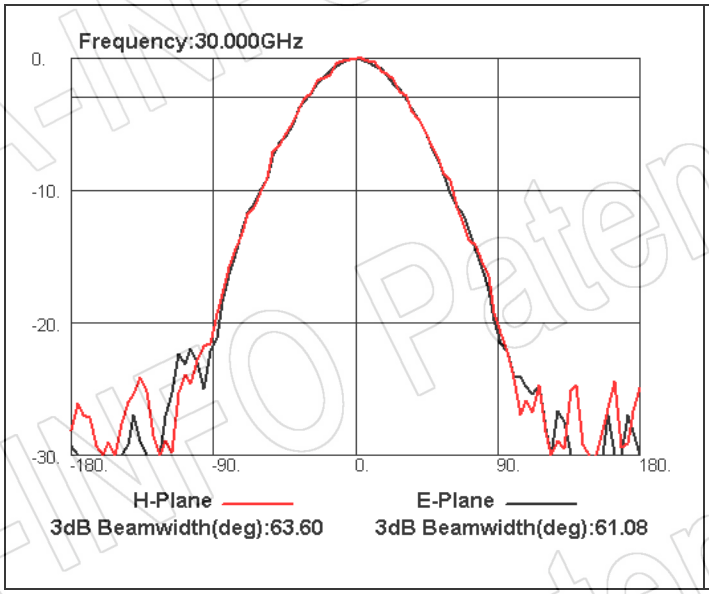


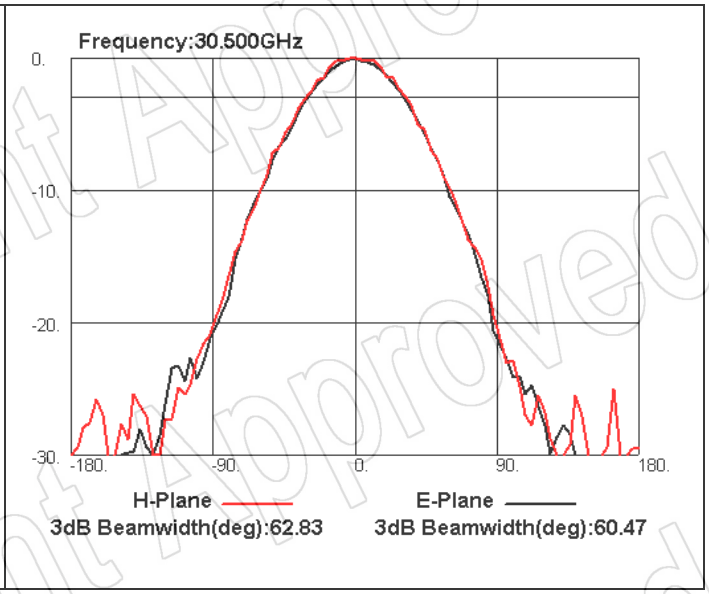


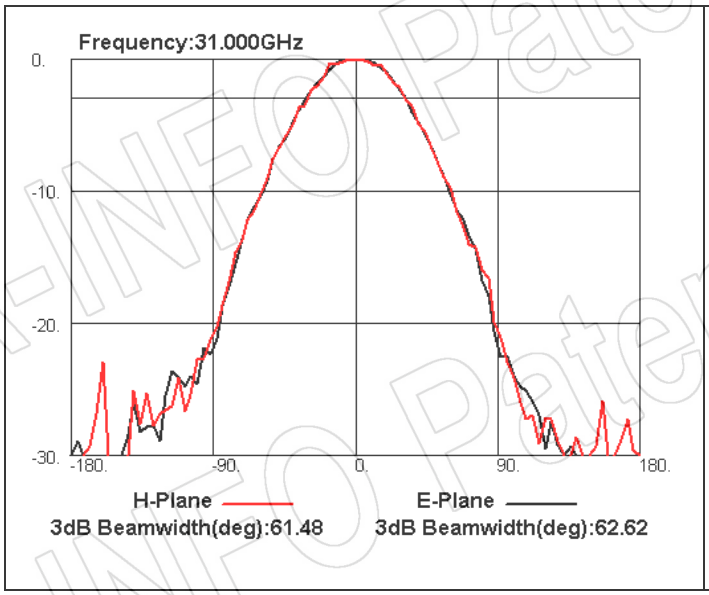


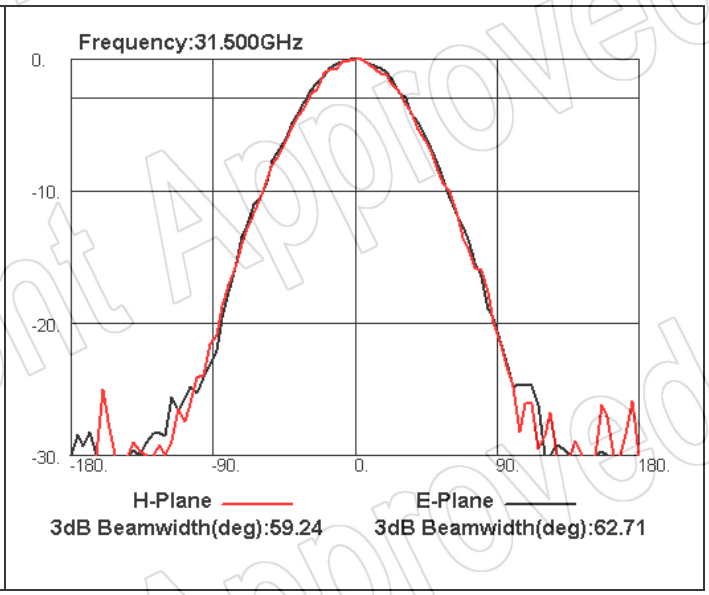


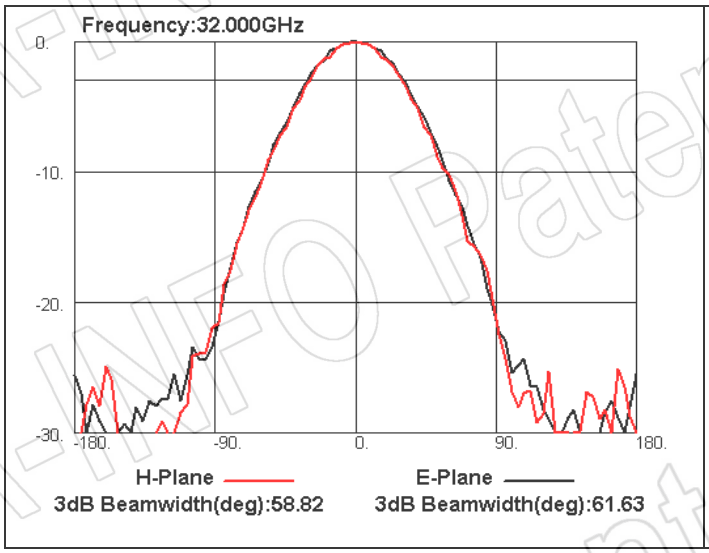


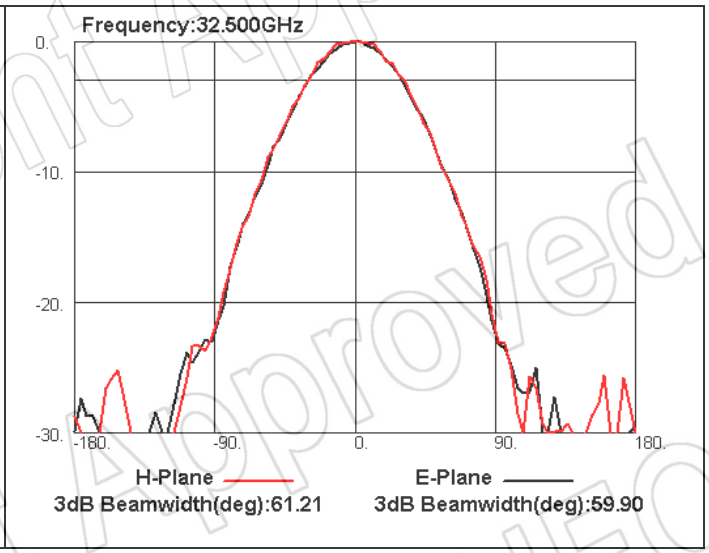




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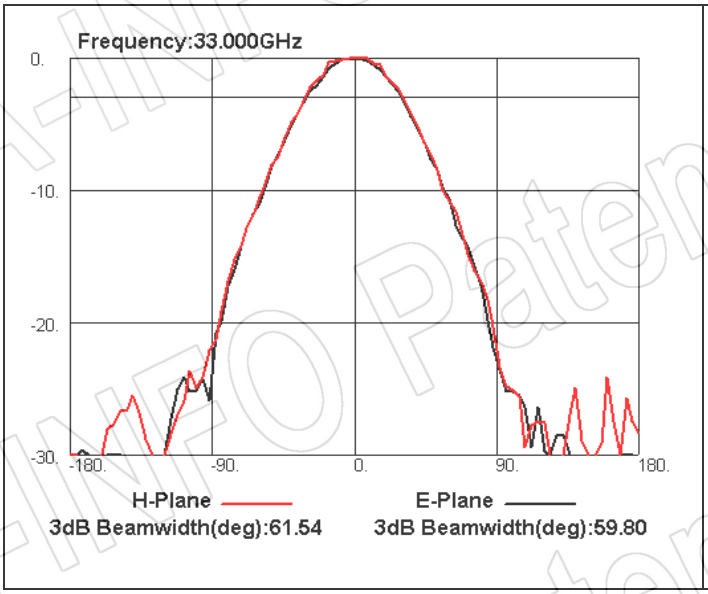
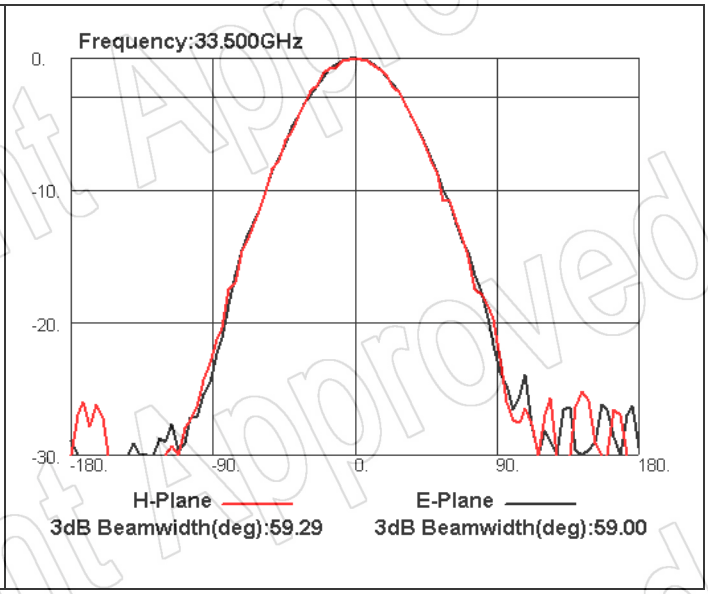
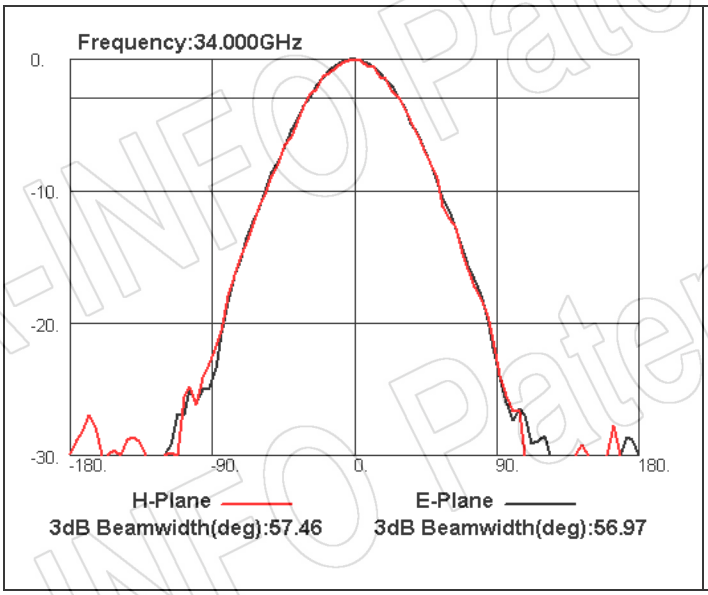


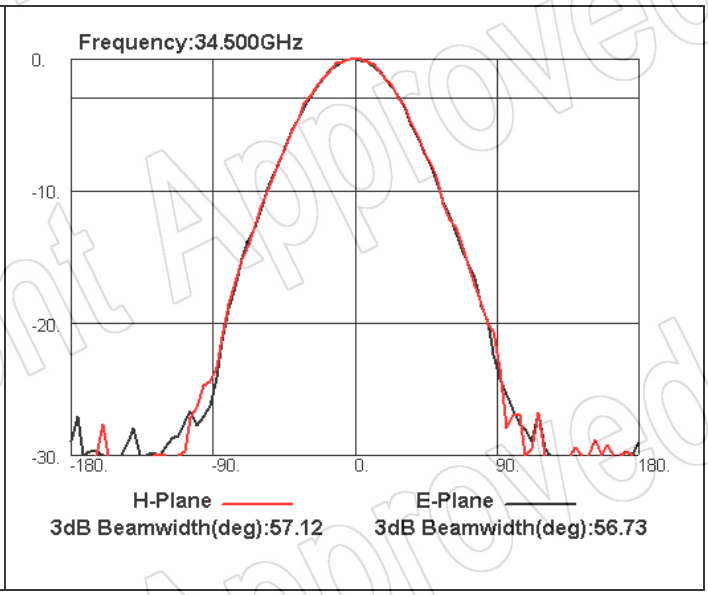

3dB Beamwidth(deg):61.54 3dB Beamwidth(deg):59.80



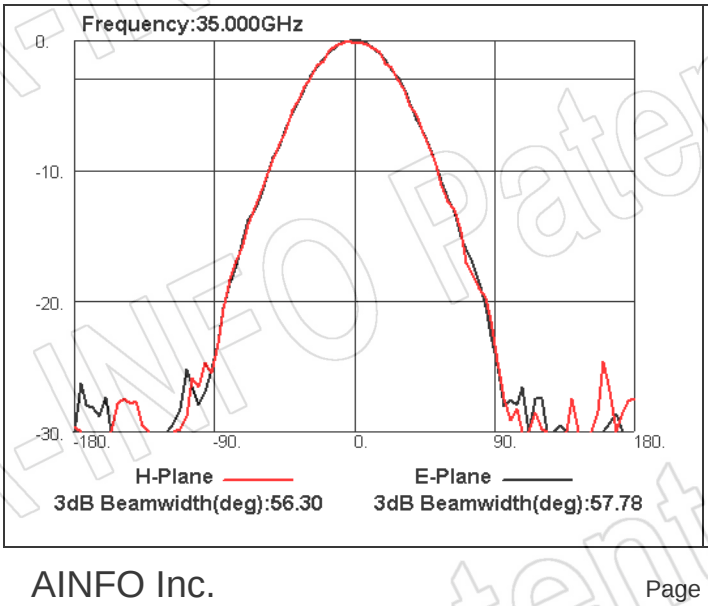

3dB Beamwidth(deg):59.29 3dB Beamwidth(deg):59.00



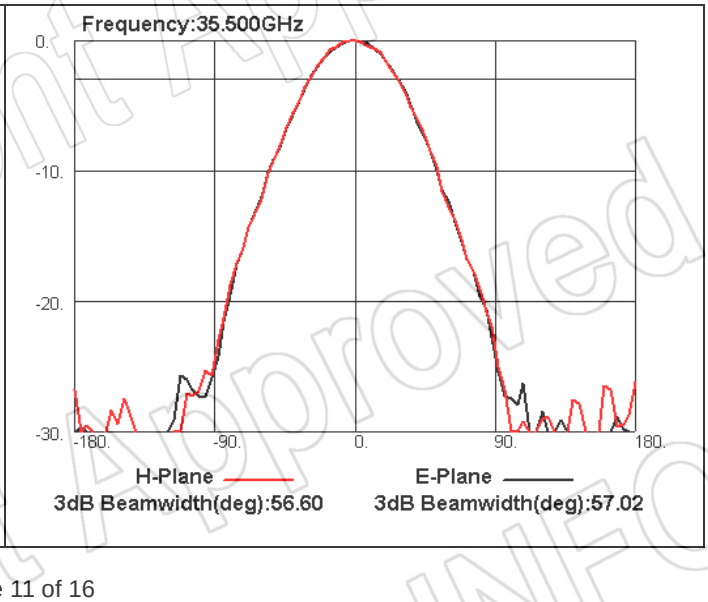

3dB Beamwidth(deg):57.46 3dB Beamwidth(deg):56.97




3dB Beamwidth(deg):57.12 3dB Beamwidth(deg):56.73




3dB Beamwidth(deg):56.30 3dB Beamwidth(deg):57.78




3dB Beamwidth(deg):56.60 3dB Beamwidth(deg):57.02



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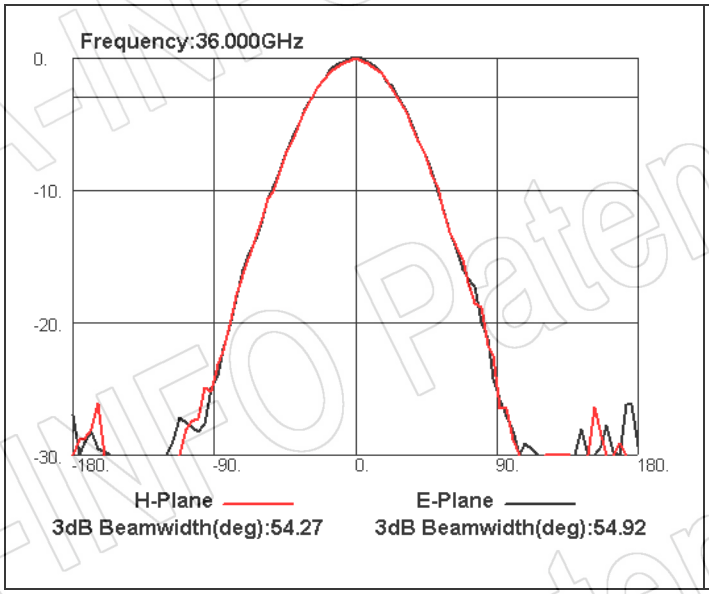


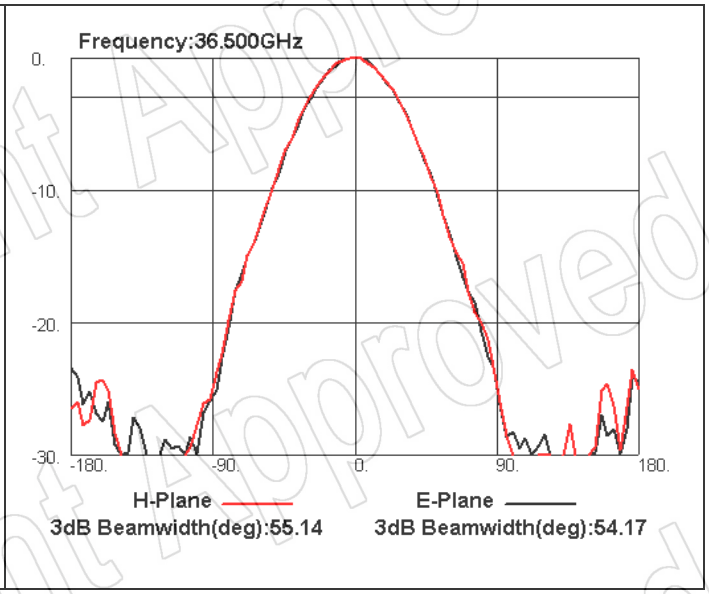


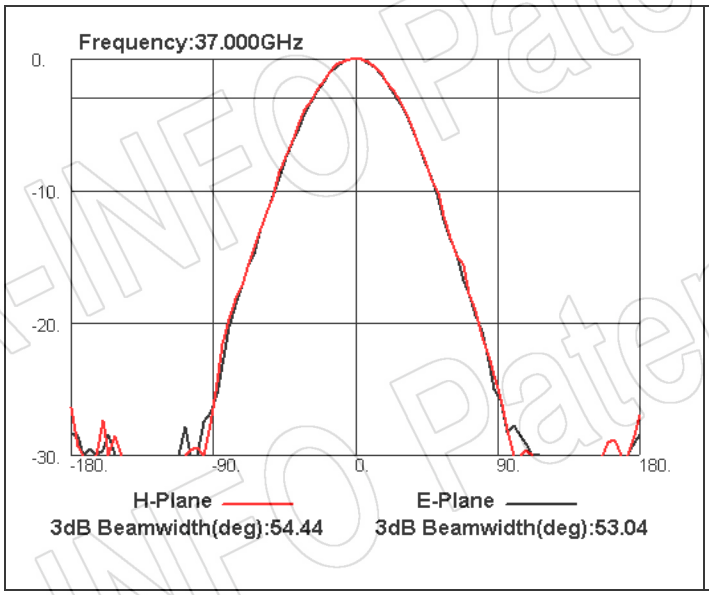


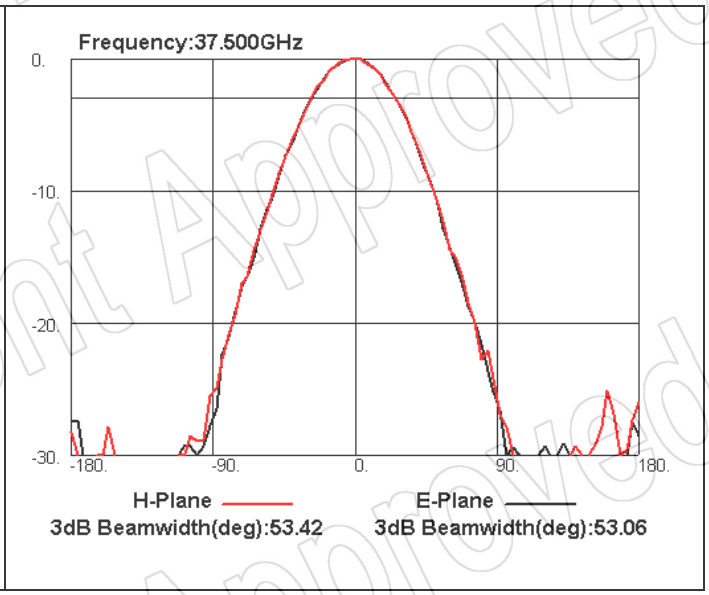


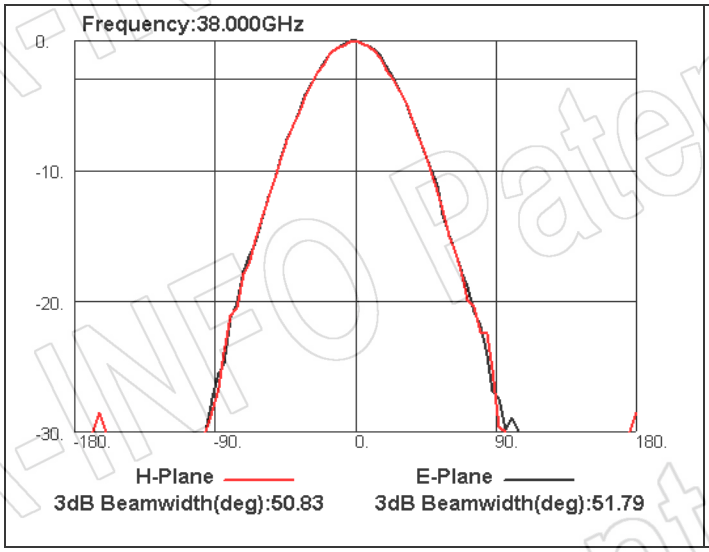


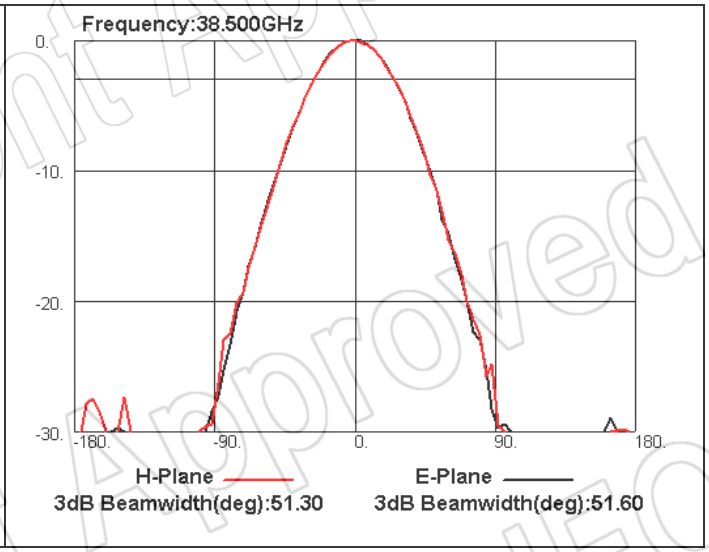




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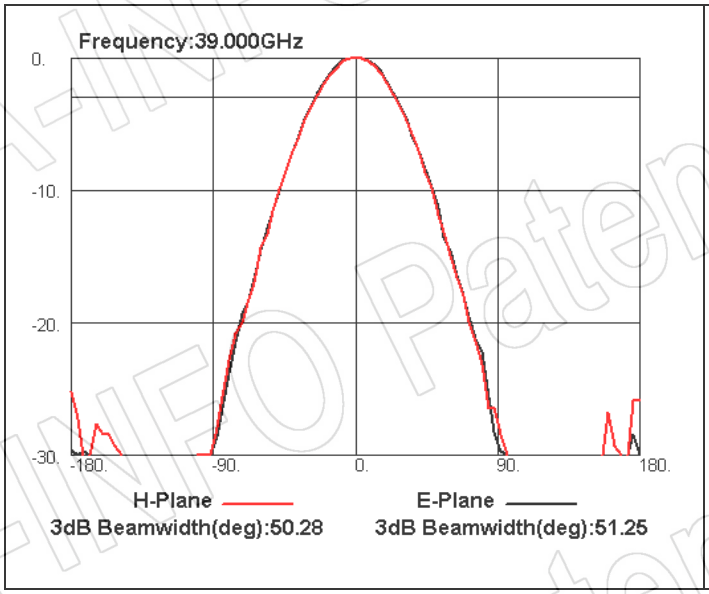


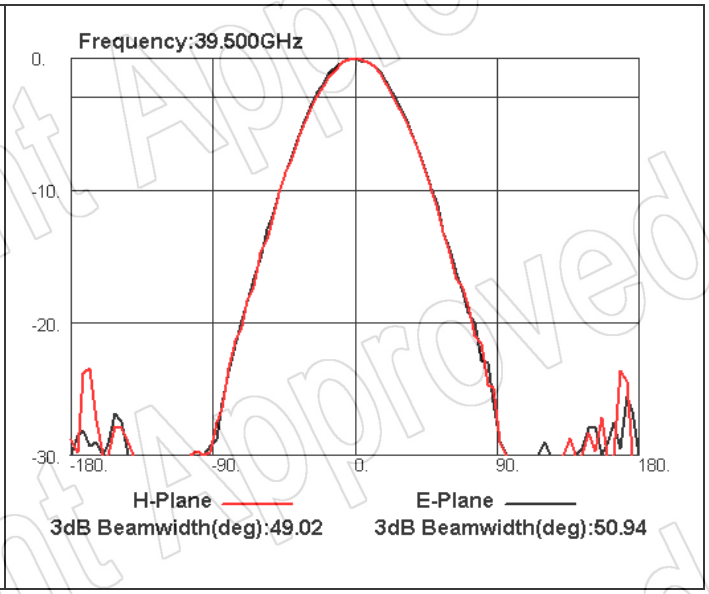


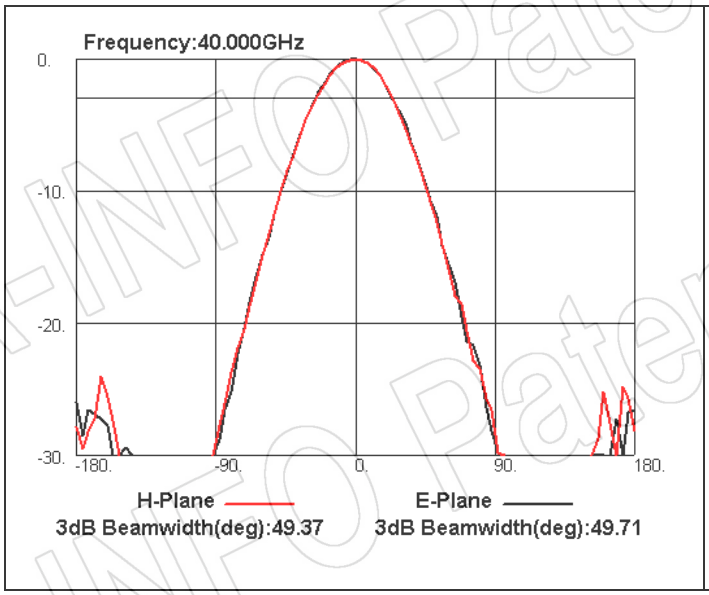


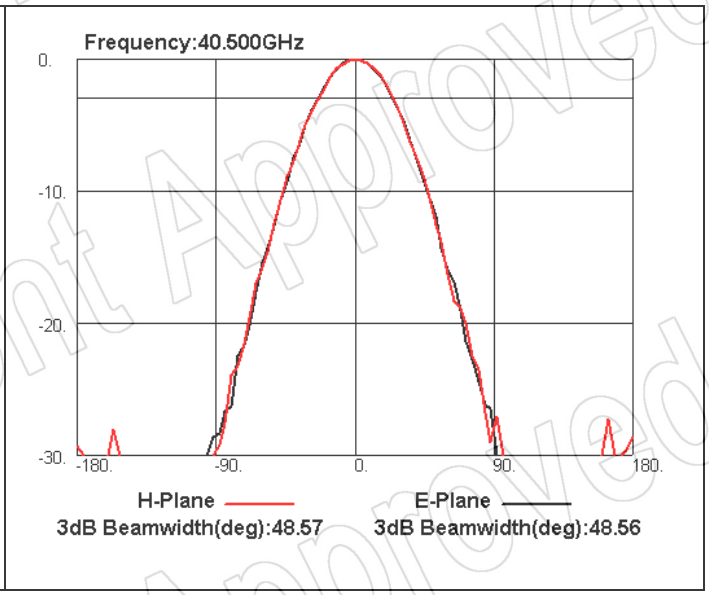


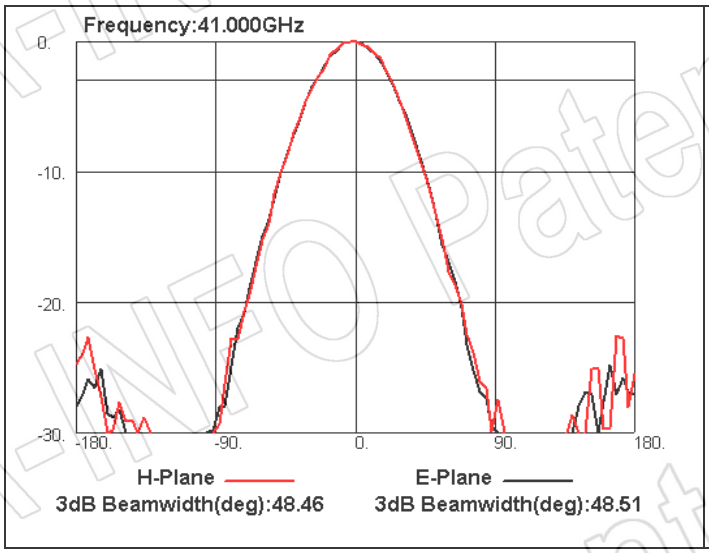


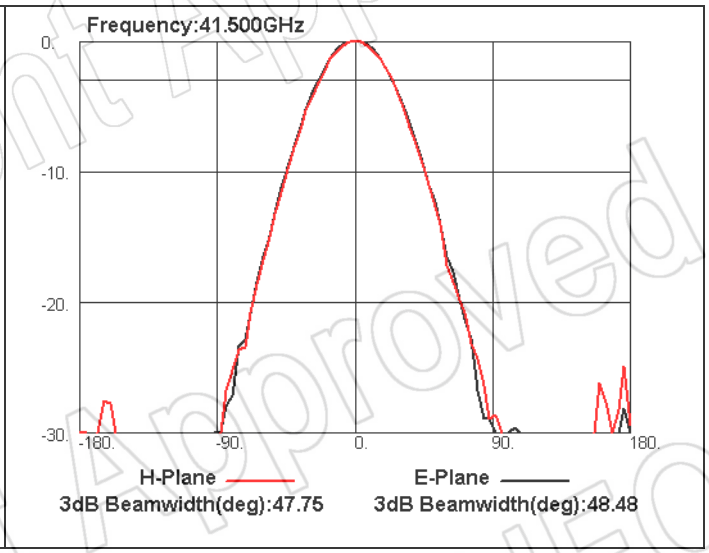




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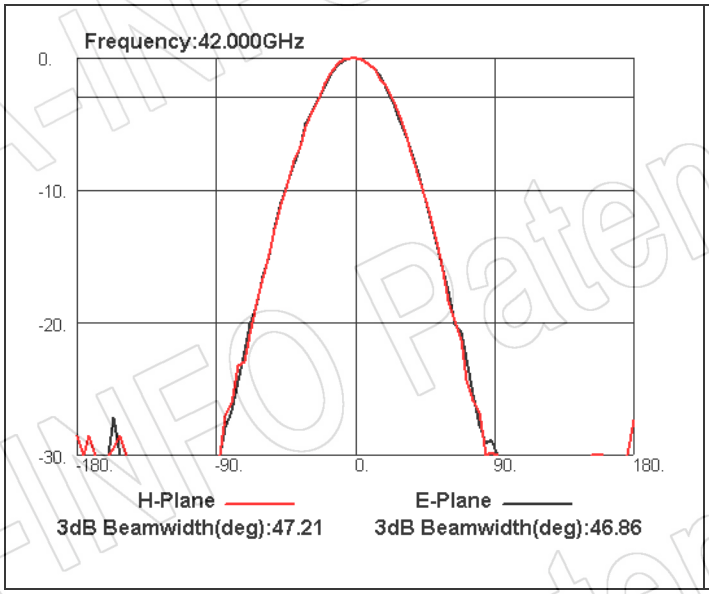


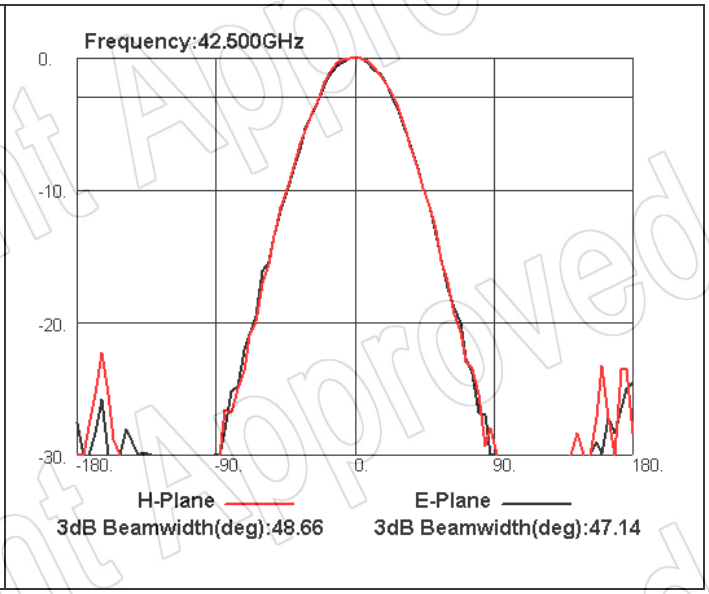


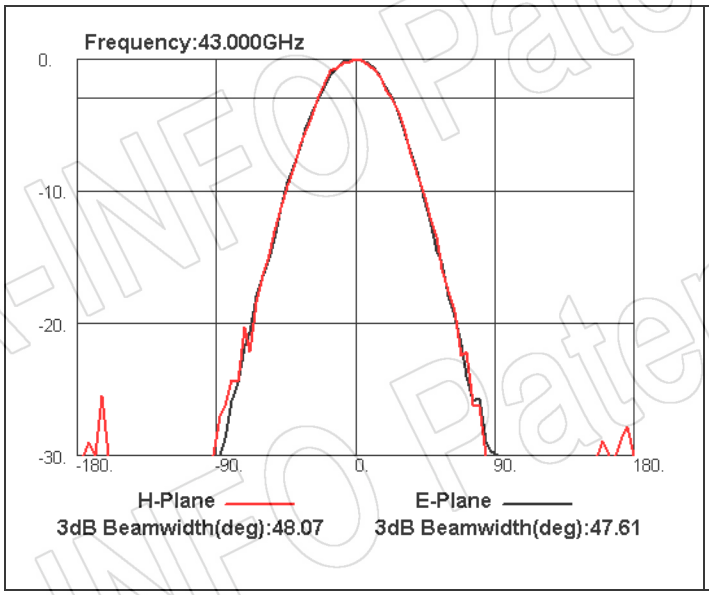


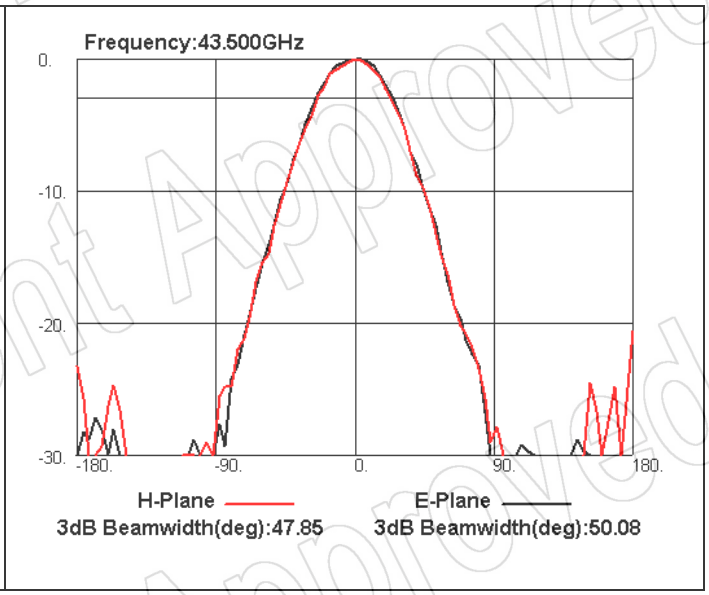


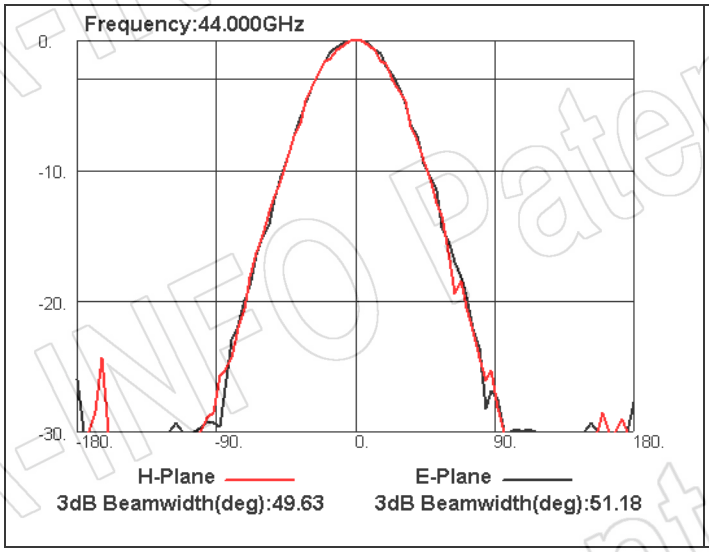


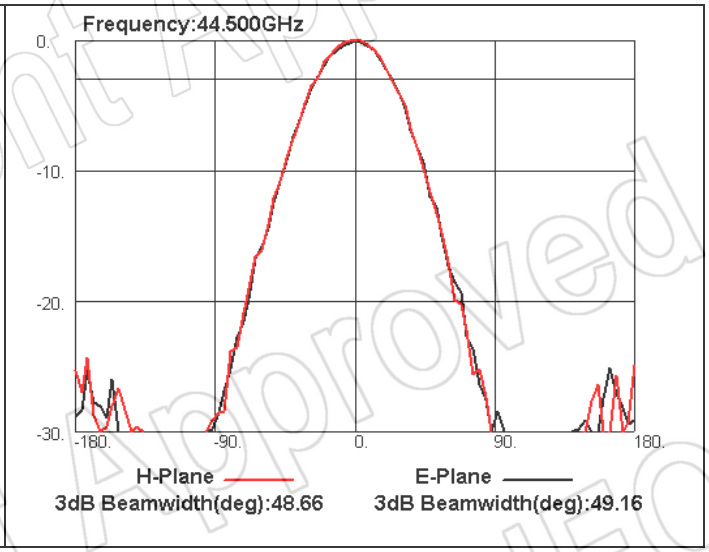




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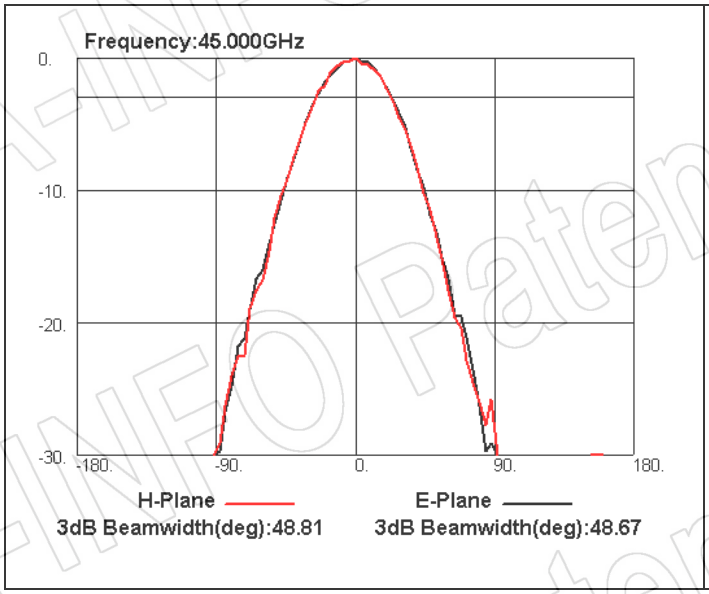


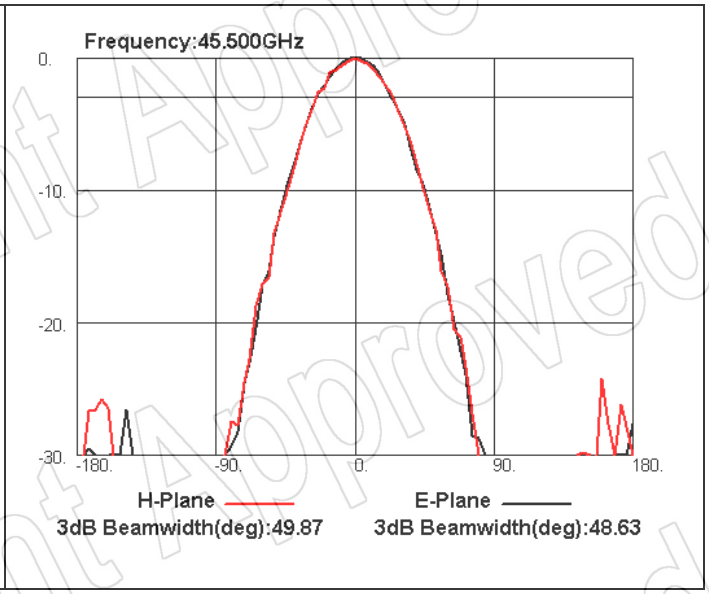


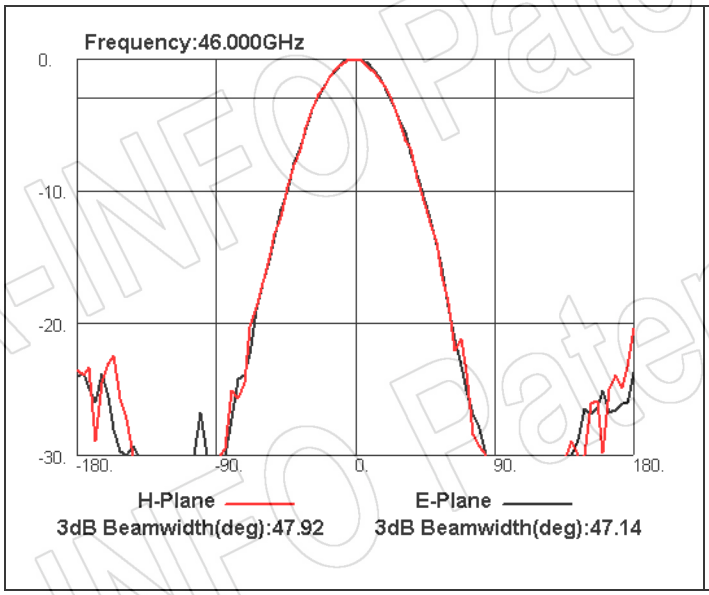


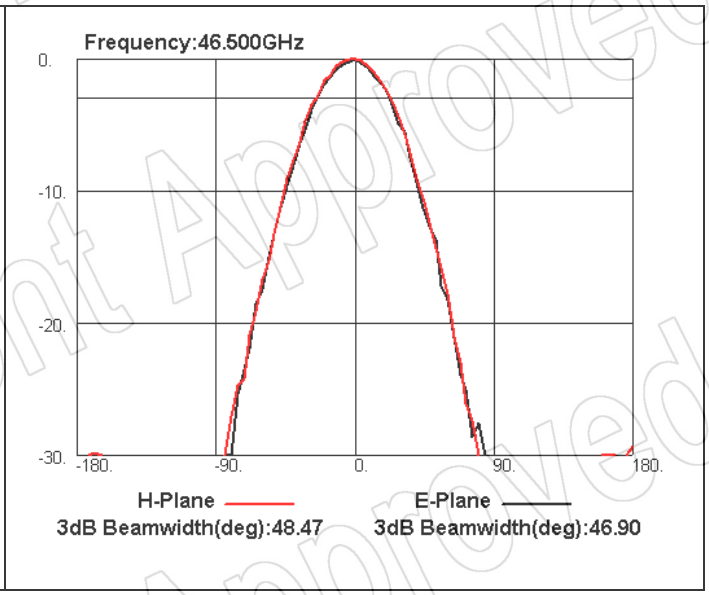


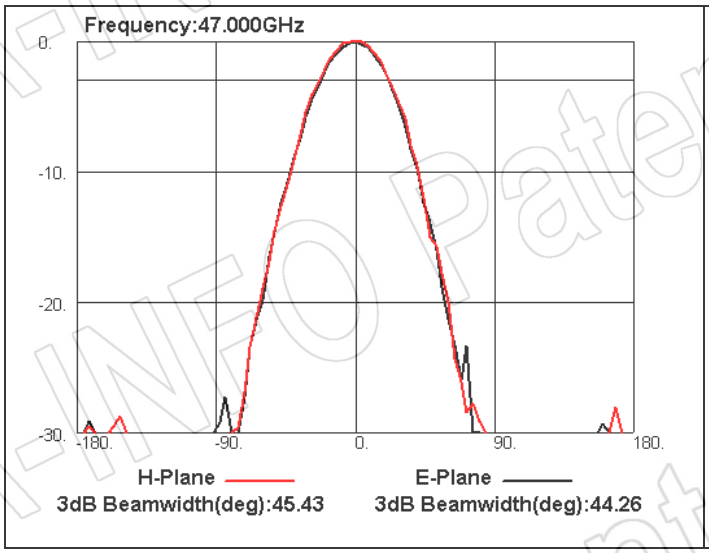


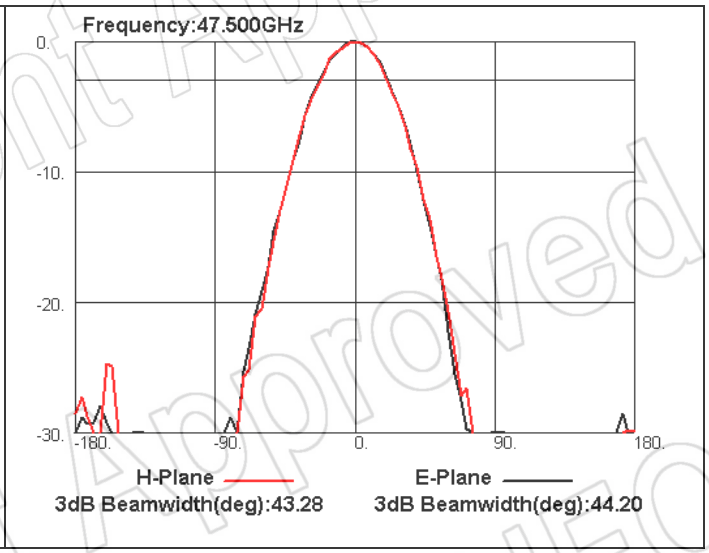




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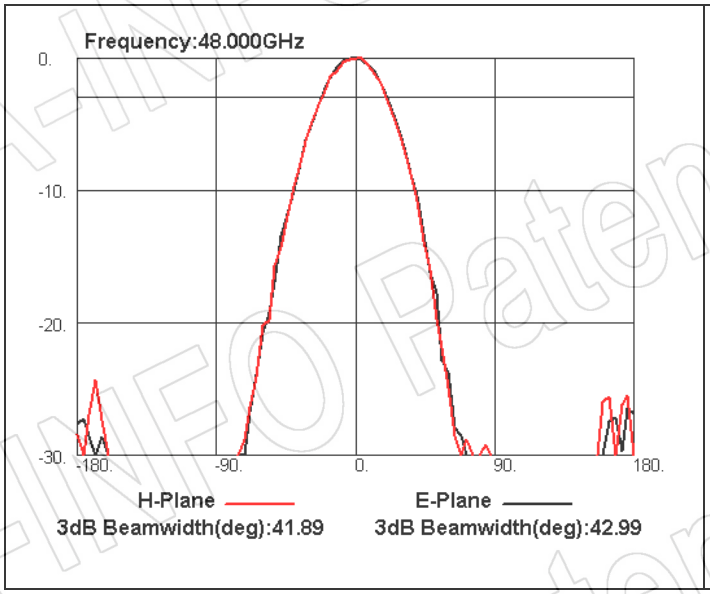


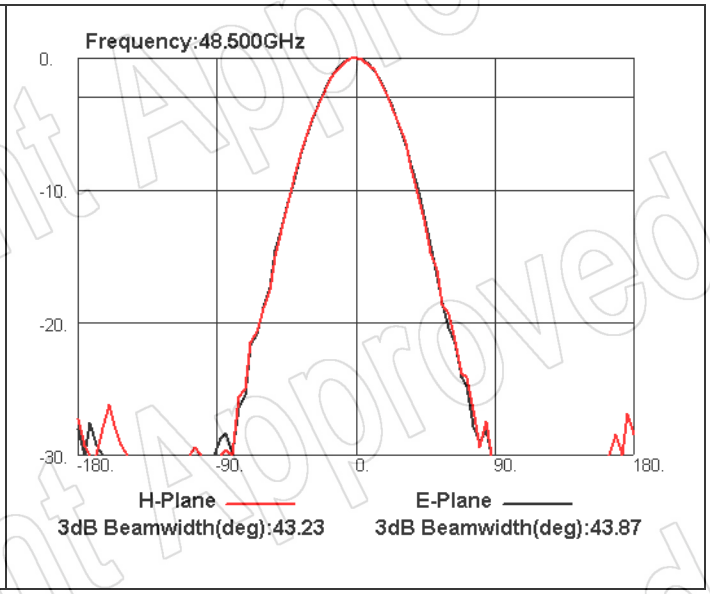


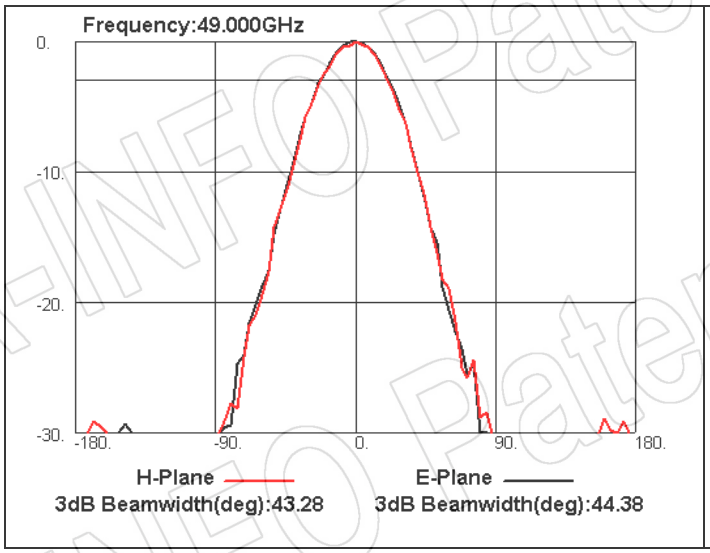


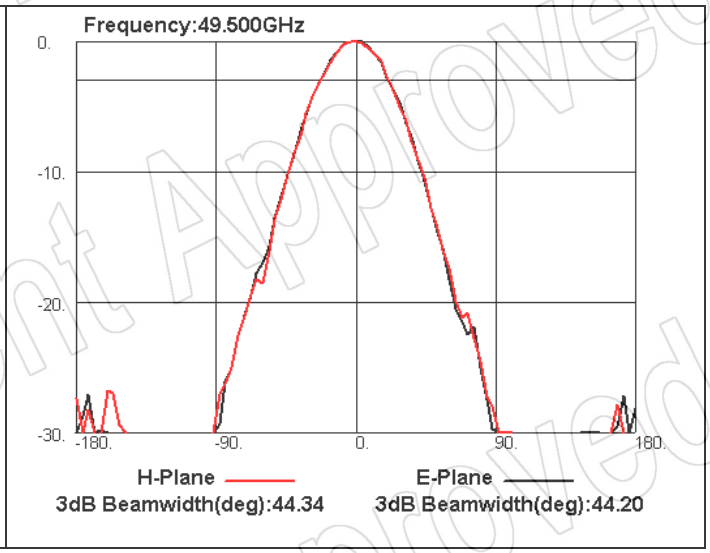


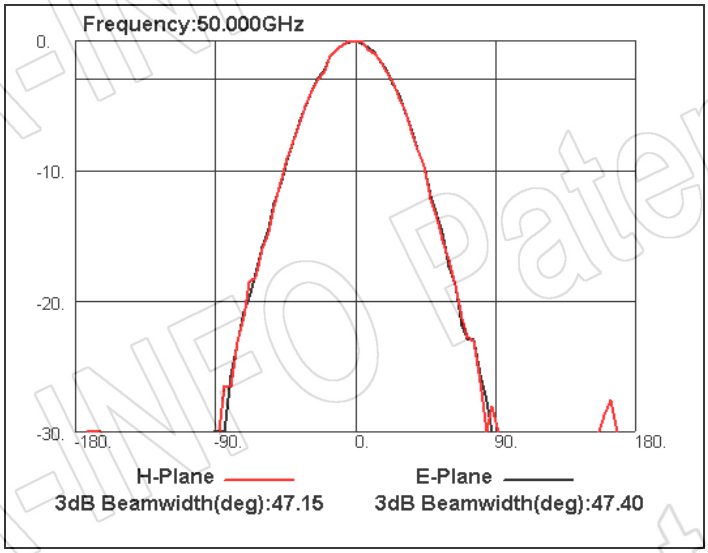




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