

For reference only. See data sheet for the detailed specifications.

## Technical Specification



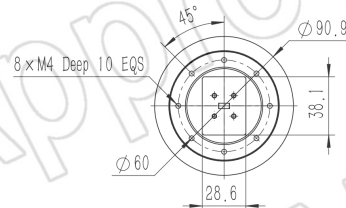
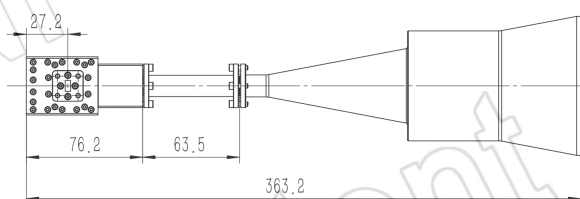
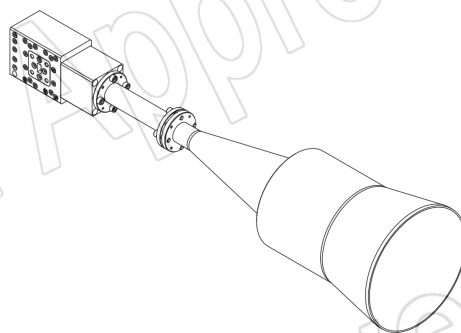
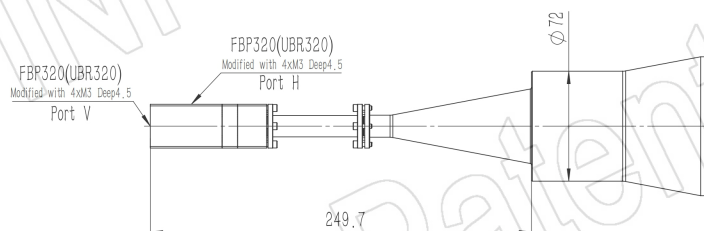
|                            |                                                     |
|----------------------------|-----------------------------------------------------|
| Frequency Range(GHz)       | 23.5 - 43.5                                         |
| Waveguide                  | WR28                                                |
| Gain(dBic)                 | 25 Typ.                                             |
| Polarization               | Dual Circular                                       |
| Axial Ratio(dB)            | 2.5 Typ. ; 4.0 Max.                                 |
| 3dB Beamwidth(deg)         | E Plane: 8 Typ.                                     |
|                            | H Plane: 8 Typ.                                     |
| Port to Port Isolation(dB) | 30 Typ. ; 20 Min.                                   |
| VSWR                       | A Type: 2.20:1 Max.                                 |
|                            | C Type: 2.40:1 Max.                                 |
| Output                     | A Type: FBP320(UBR320)<br>(Modified with 4xM3 D4.5) |
|                            | C Type: 2.4mm-Female<br>or 2.92mm-Female            |
| Material                   | Al                                                  |
| Finish                     | Gold Plated and Sliver Plated,<br>Gray Paint        |
| Size(mm)                   | A Type: 90.9 x 90.9 x 363.2                         |
|                            | C Type: 90.9 x 90.9 x 386.1                         |
| Net Weight(Kg)             | A Type: 0.63 Around                                 |
|                            | C Type: 0.71 Around                                 |

**PATENT ID (US)**

**US D963575**

## Outline Drawing (Size: mm)

FBP320 Output (P/N: LB-CNH-28-25-D62-A)



**AINFO Inc.**

China(Beijing):  
China(Chengdu):  
USA :

Tel: (+86) 10-6266-7326,  
Tel: (+86) 28-8519-2786,  
Tel: (+1) 949-639-9688,

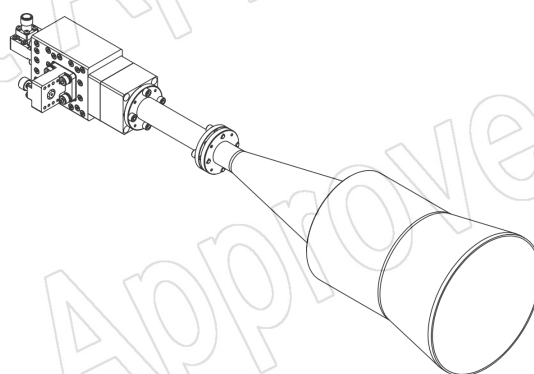
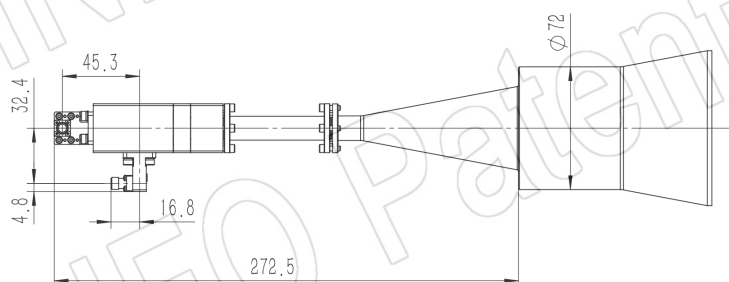
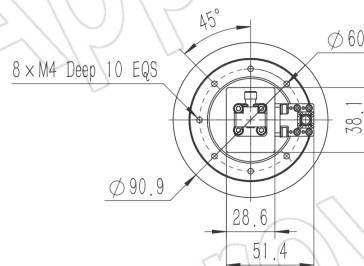
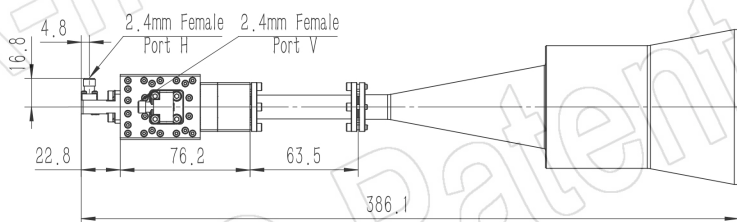
(+86) 10-6266-7327  
(+86) 28-8519-3044  
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Fax: (+86) 10-6266-7379  
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Fax: (+1) 949-639-9670

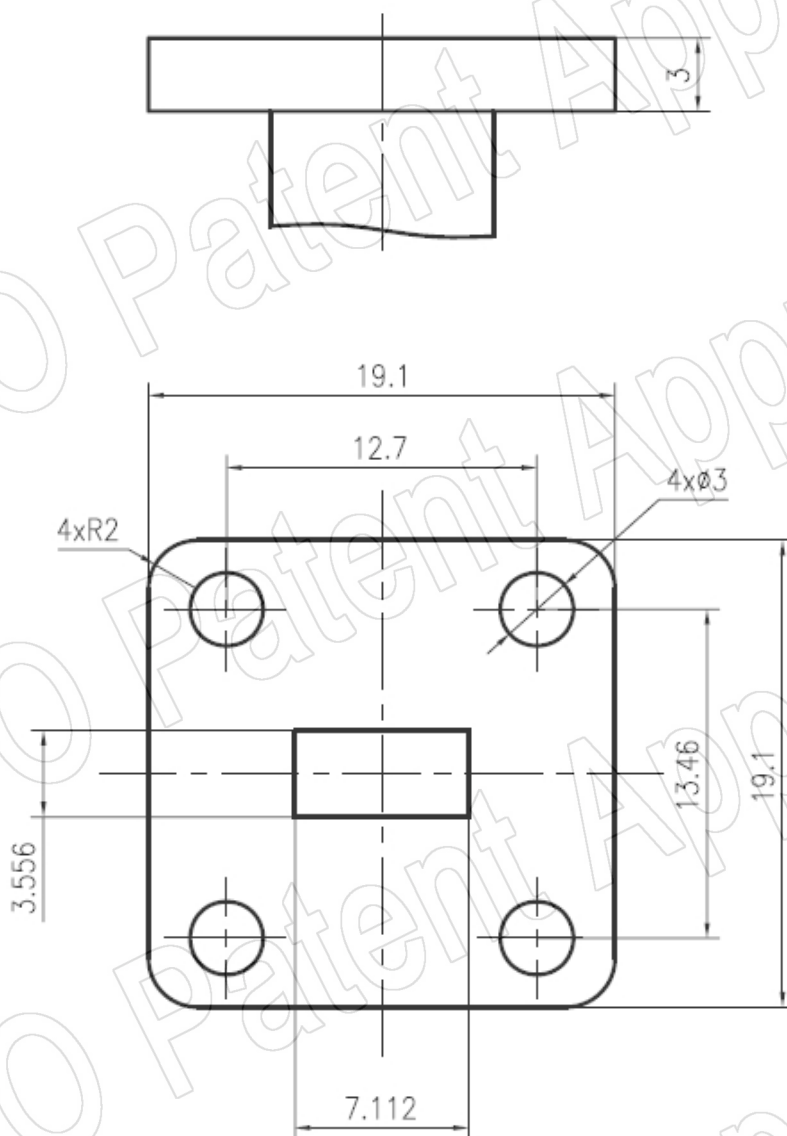
Website: [www.ainfoinc.com](http://www.ainfoinc.com)  
Email: [sales@ainfoinc.com](mailto:sales@ainfoinc.com)

## 2.4mm-Female Output (P/N: LB-CNH-28-25-D62-C-2.4F)

For 2.92mm-Female output outline drawing, please contact A-INFO.



## Flange Drawing (Size: mm)



FBP320

### AINFO Inc.

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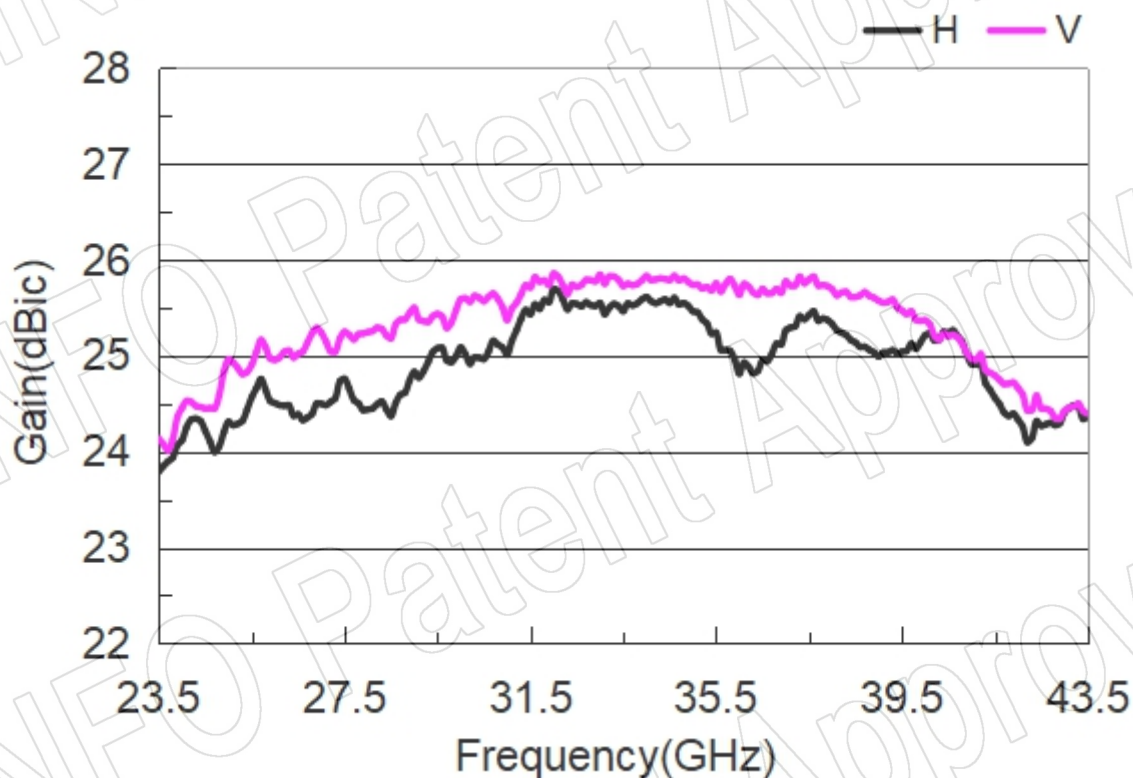
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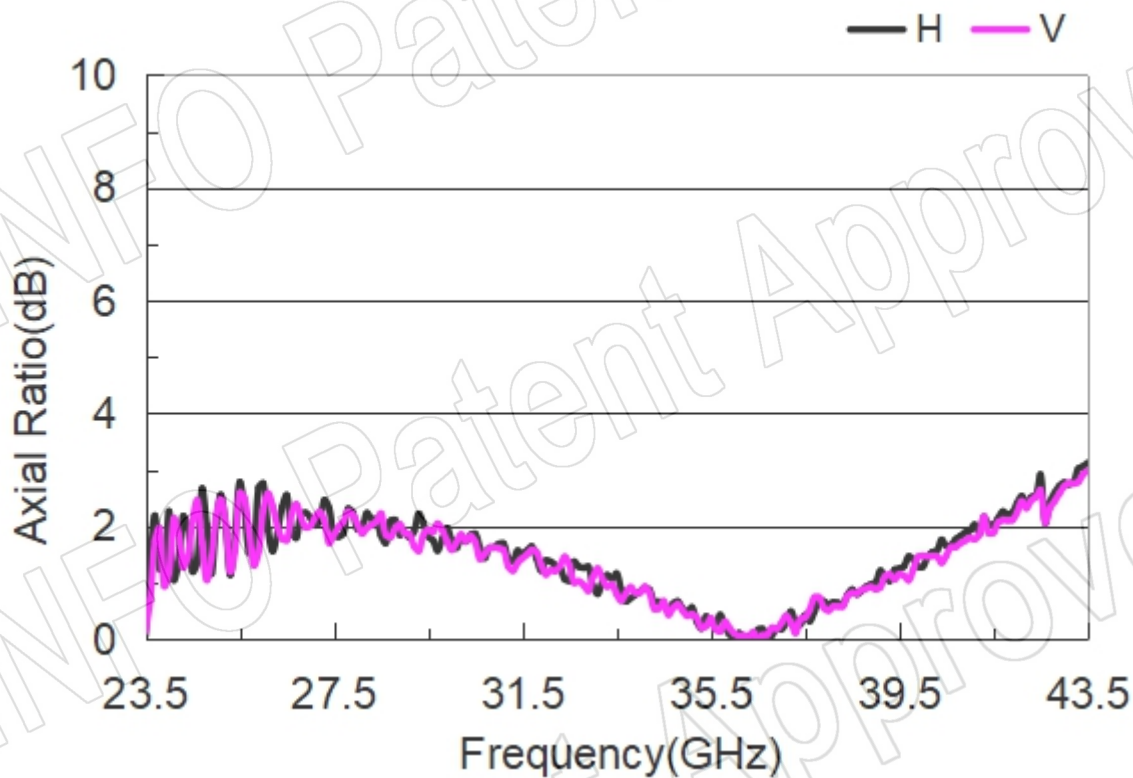
Website: [www.ainfoinc.com](http://www.ainfoinc.com)  
Email: [sales@ainfoinc.com](mailto:sales@ainfoinc.com)

## Test Results

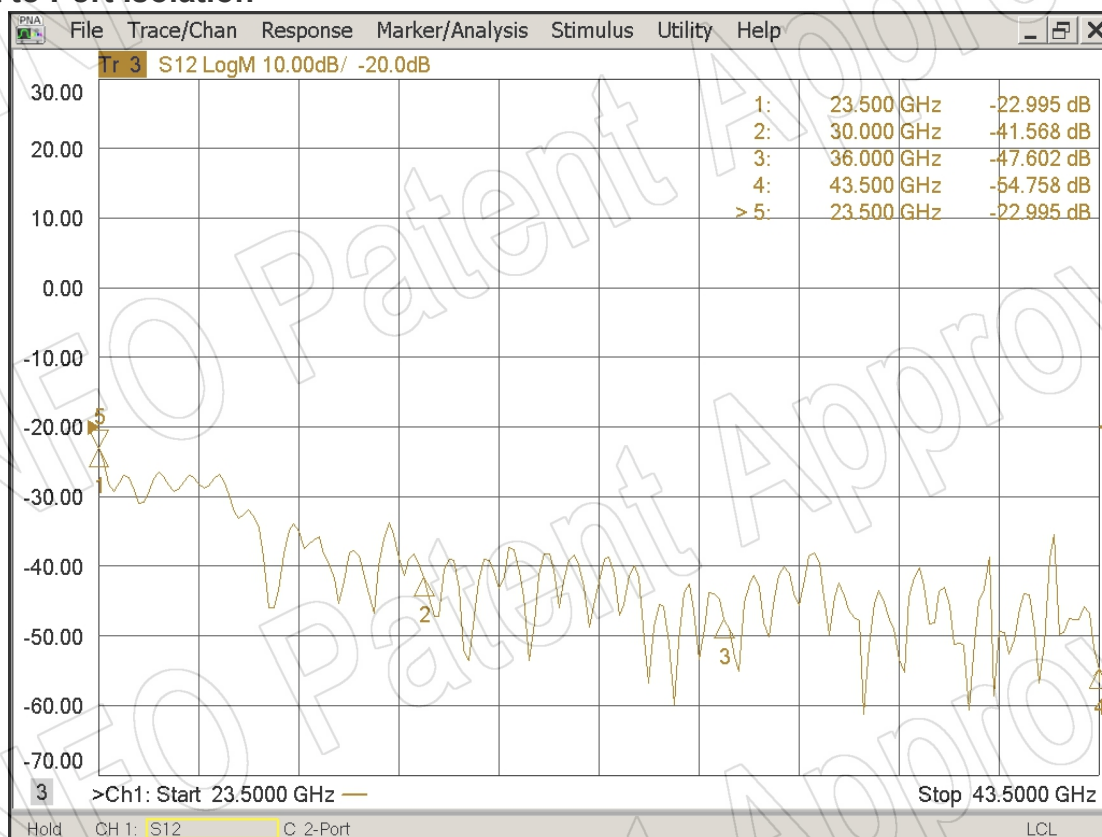
### 1. Gain



### 2. Axial Ratio

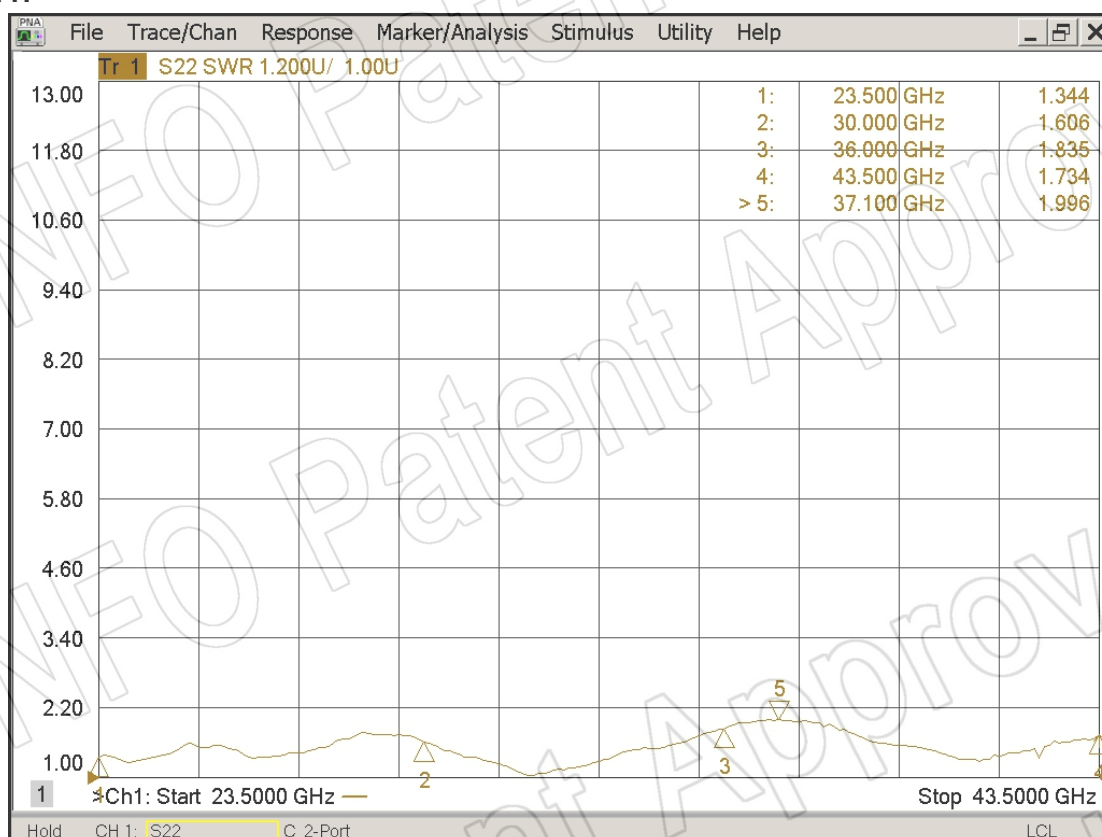


### 3. Port to Port Isolation



### 4. VSWR\_A Type

Port-H



AINFO Inc.

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China(Chengdu):  
USA :

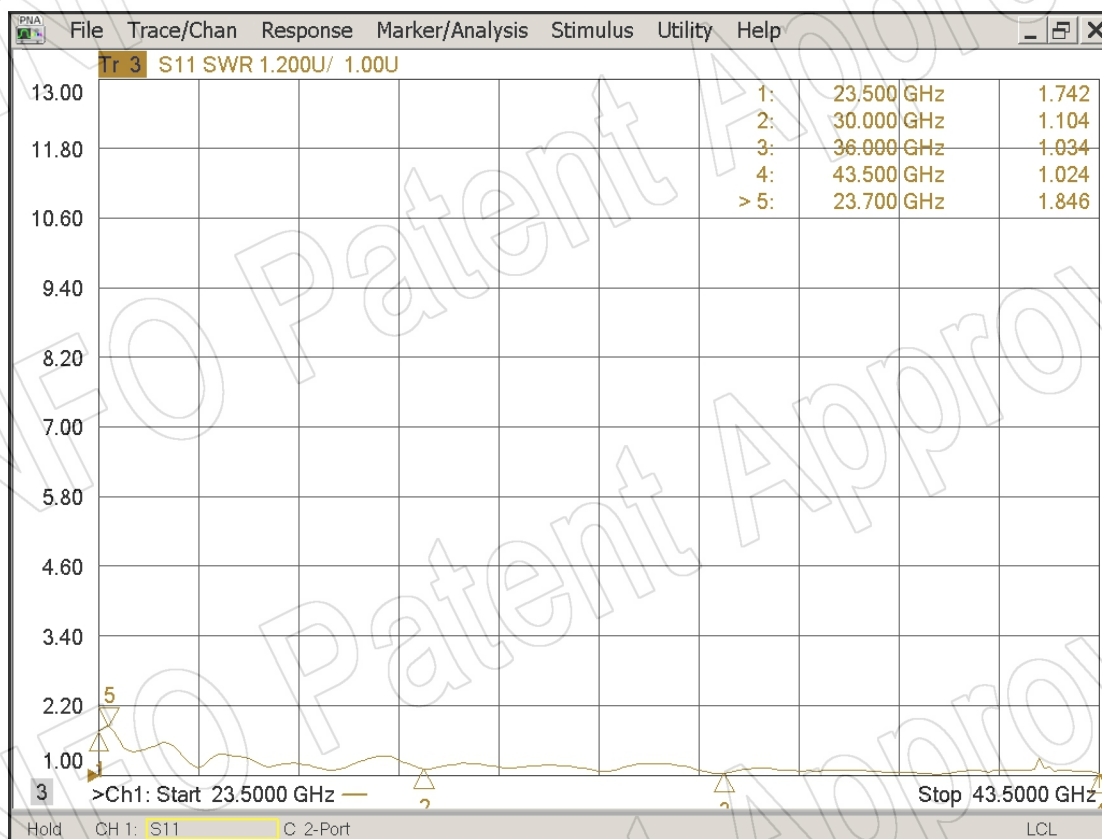
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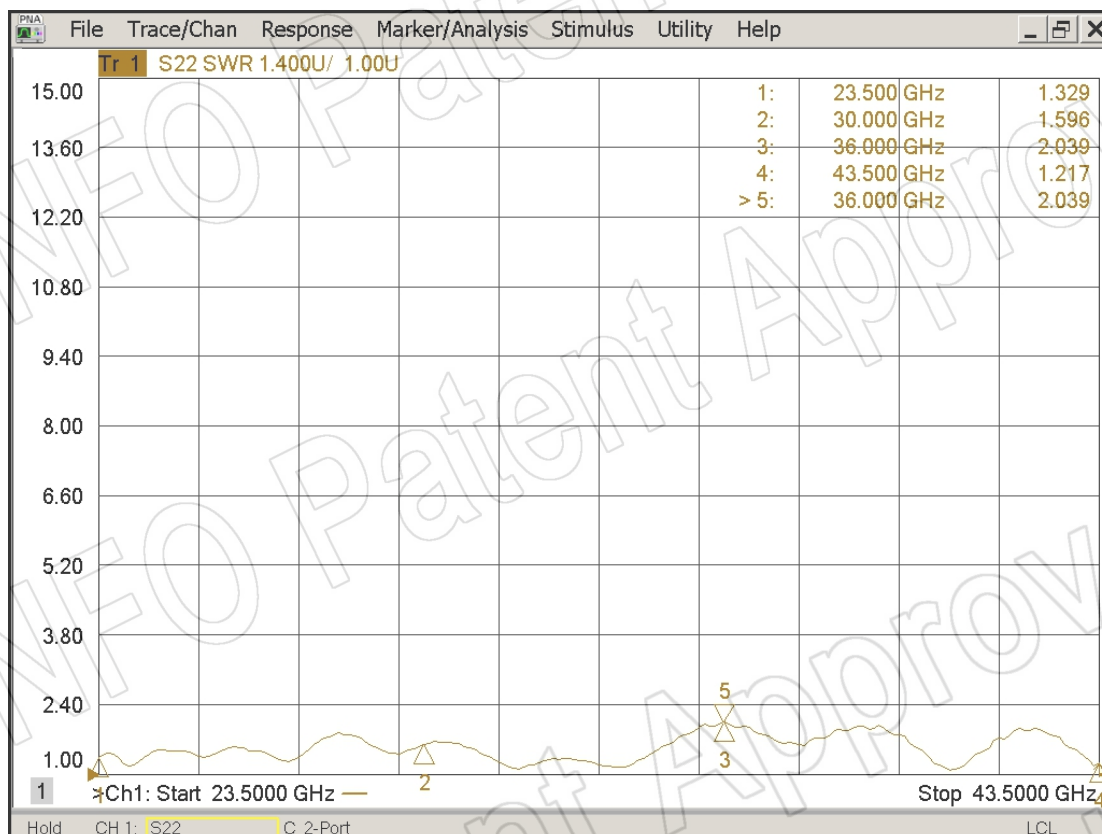
Website: [www.ainfoinc.com](http://www.ainfoinc.com)  
Email: [sales@ainfoinc.com](mailto:sales@ainfoinc.com)

## Port-V

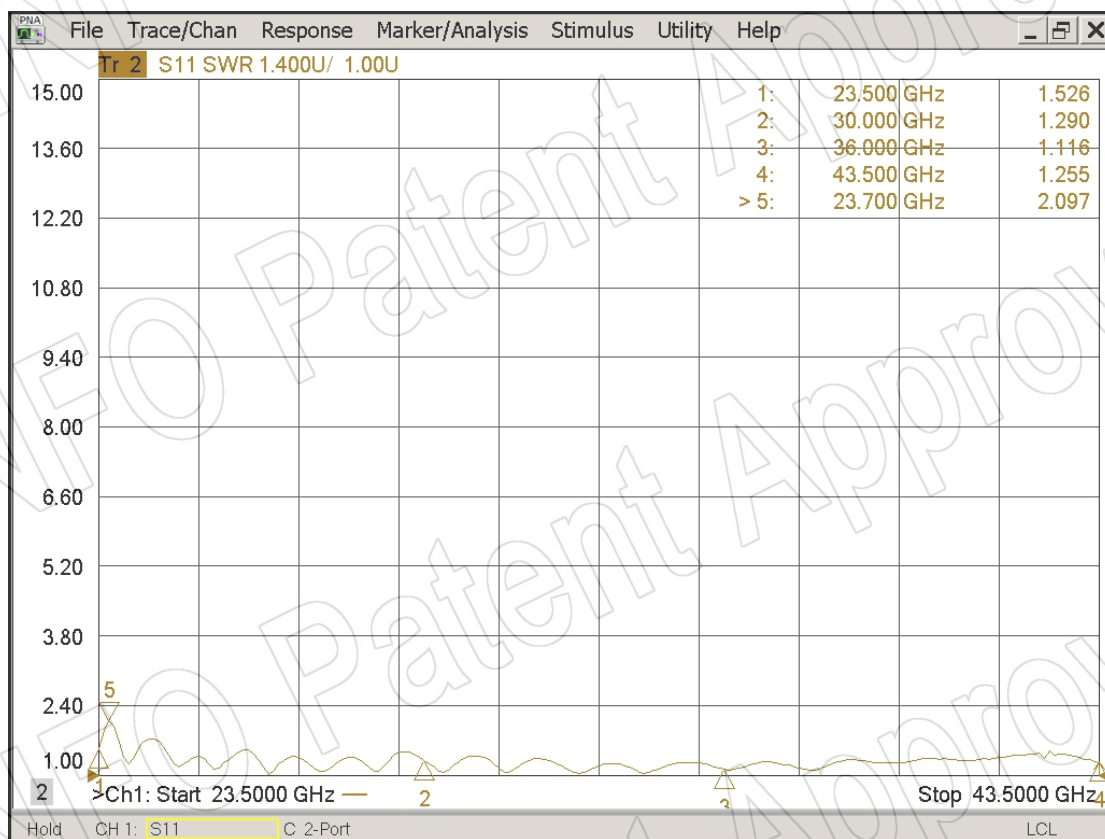


## VSWR\_C Type

### Port-H

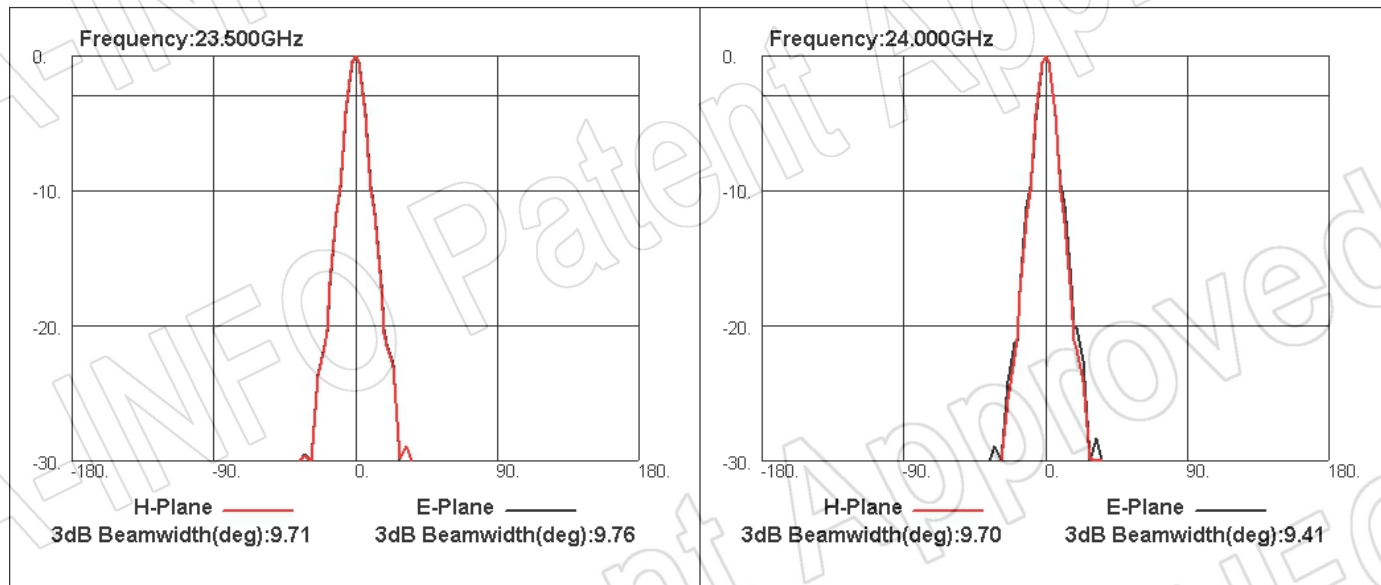


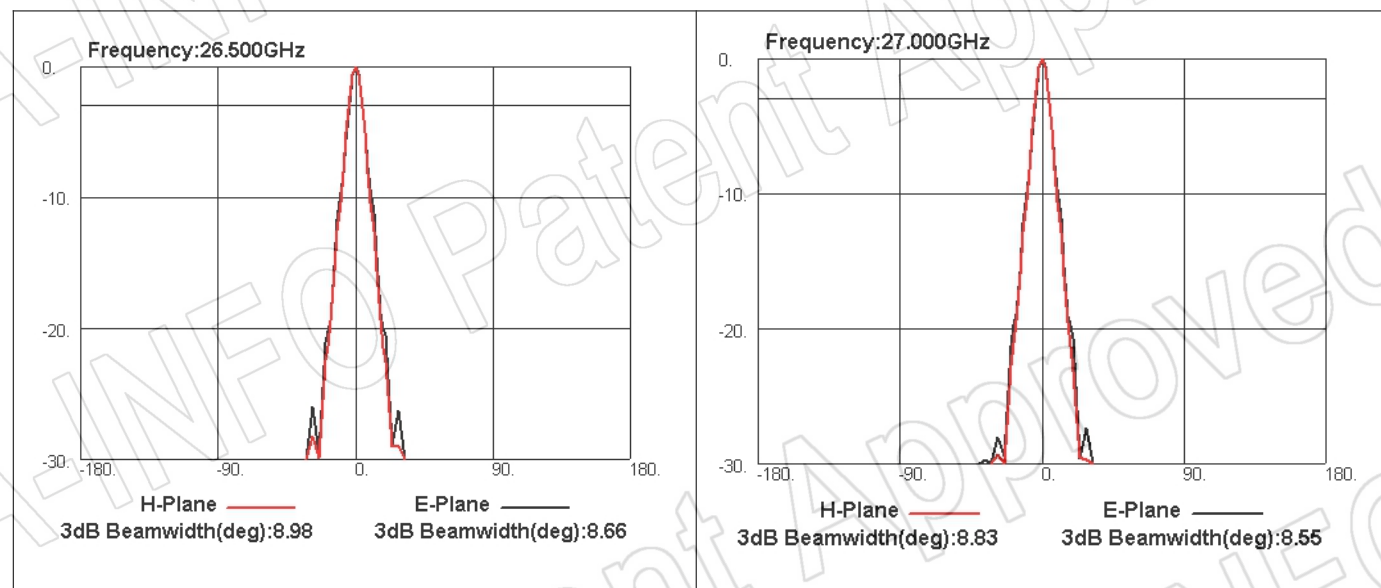
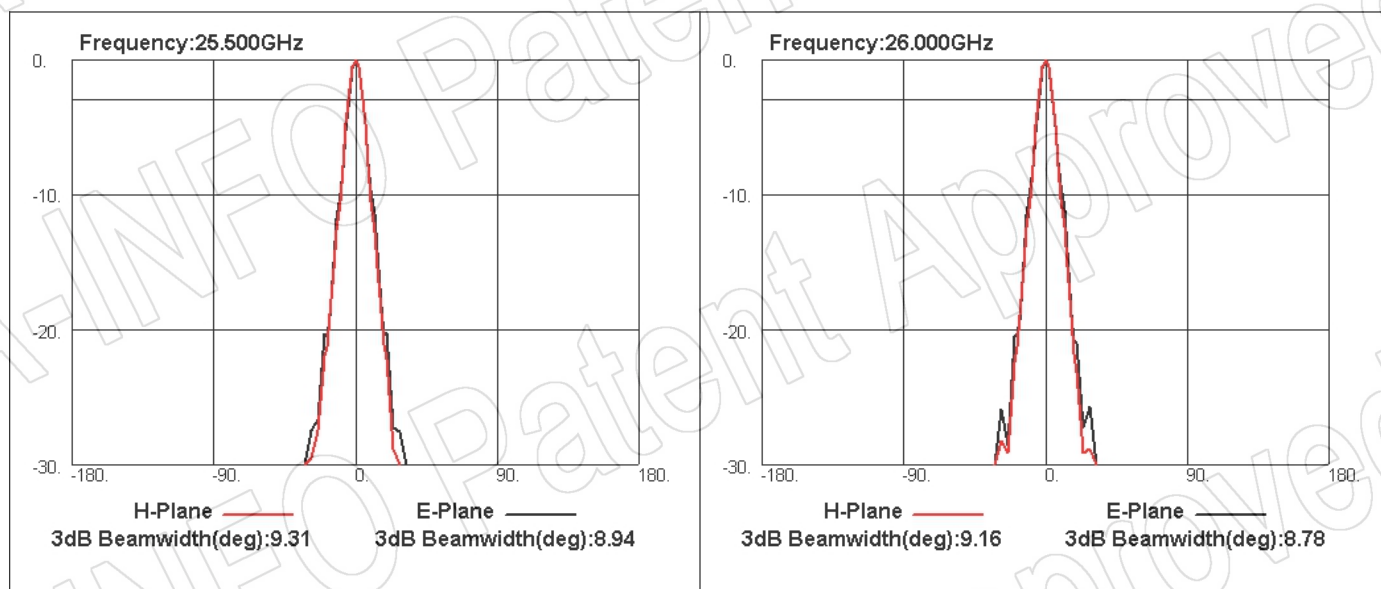
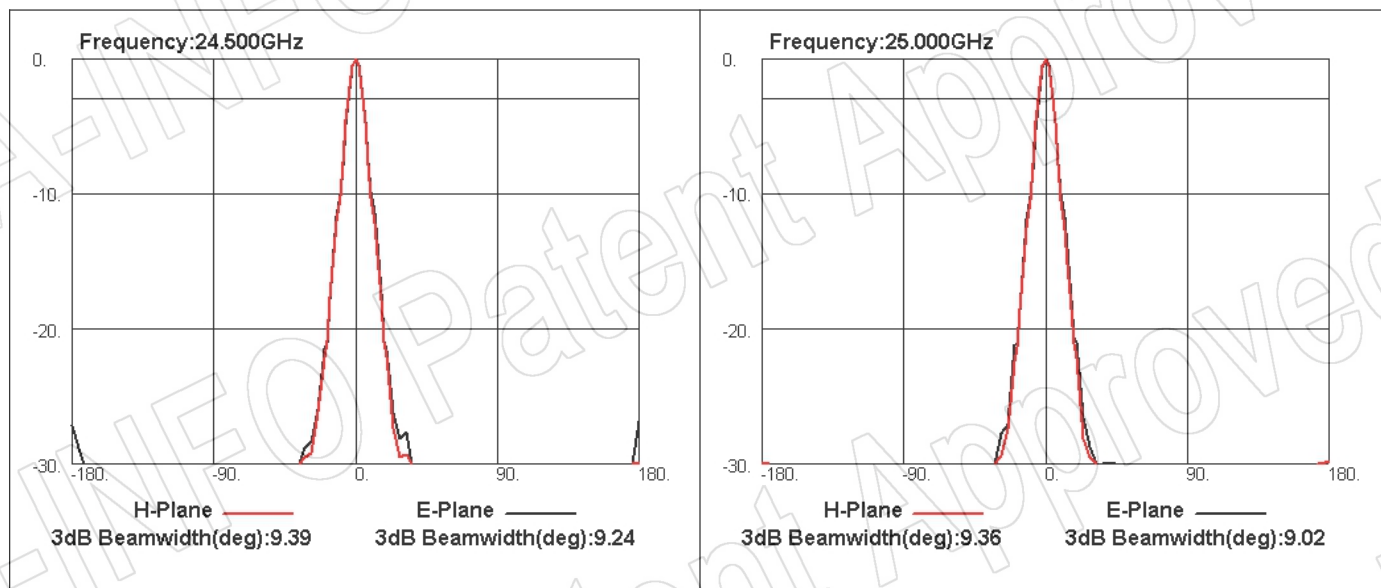
## Port-V

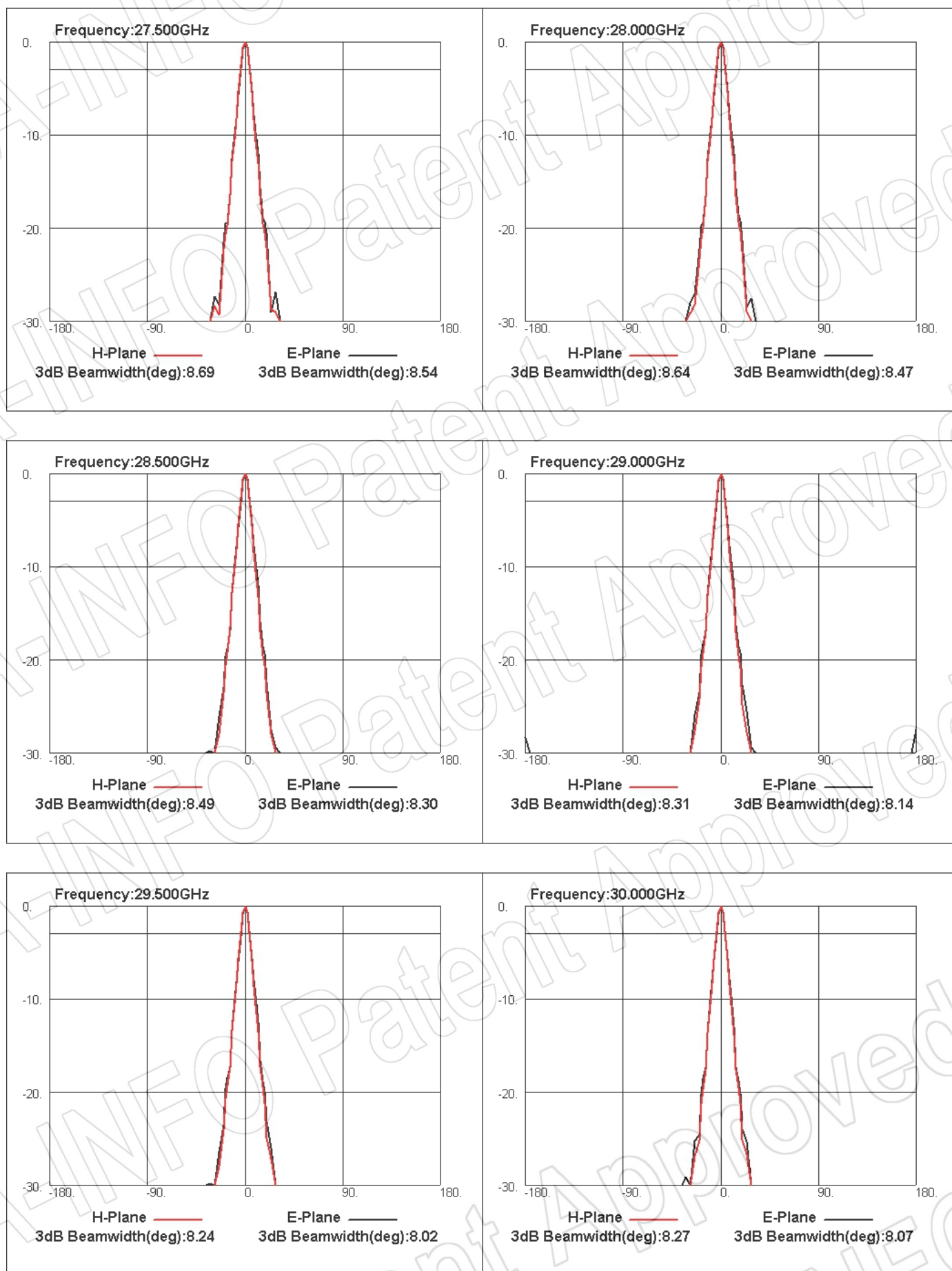


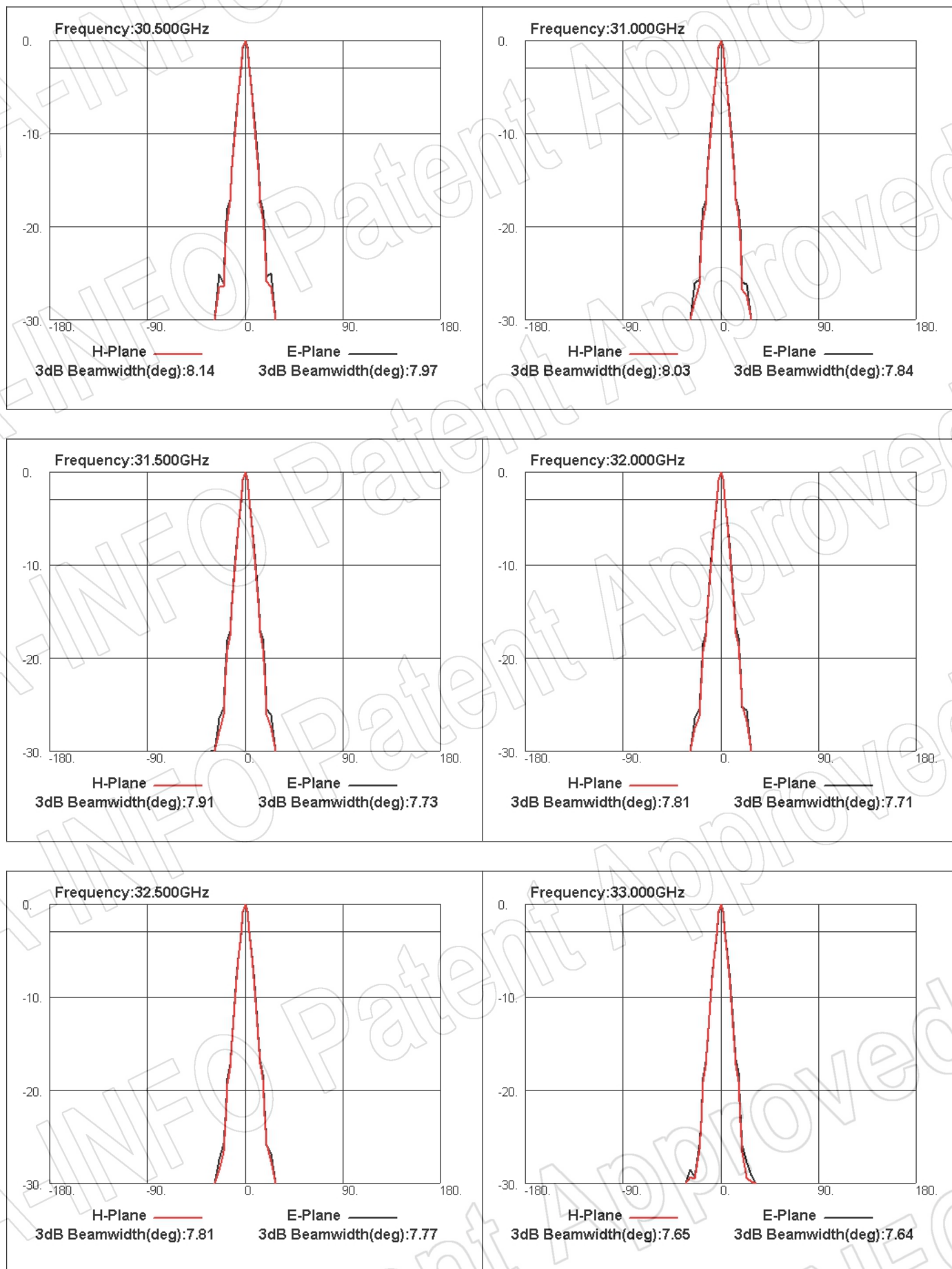
## 5. Pattern

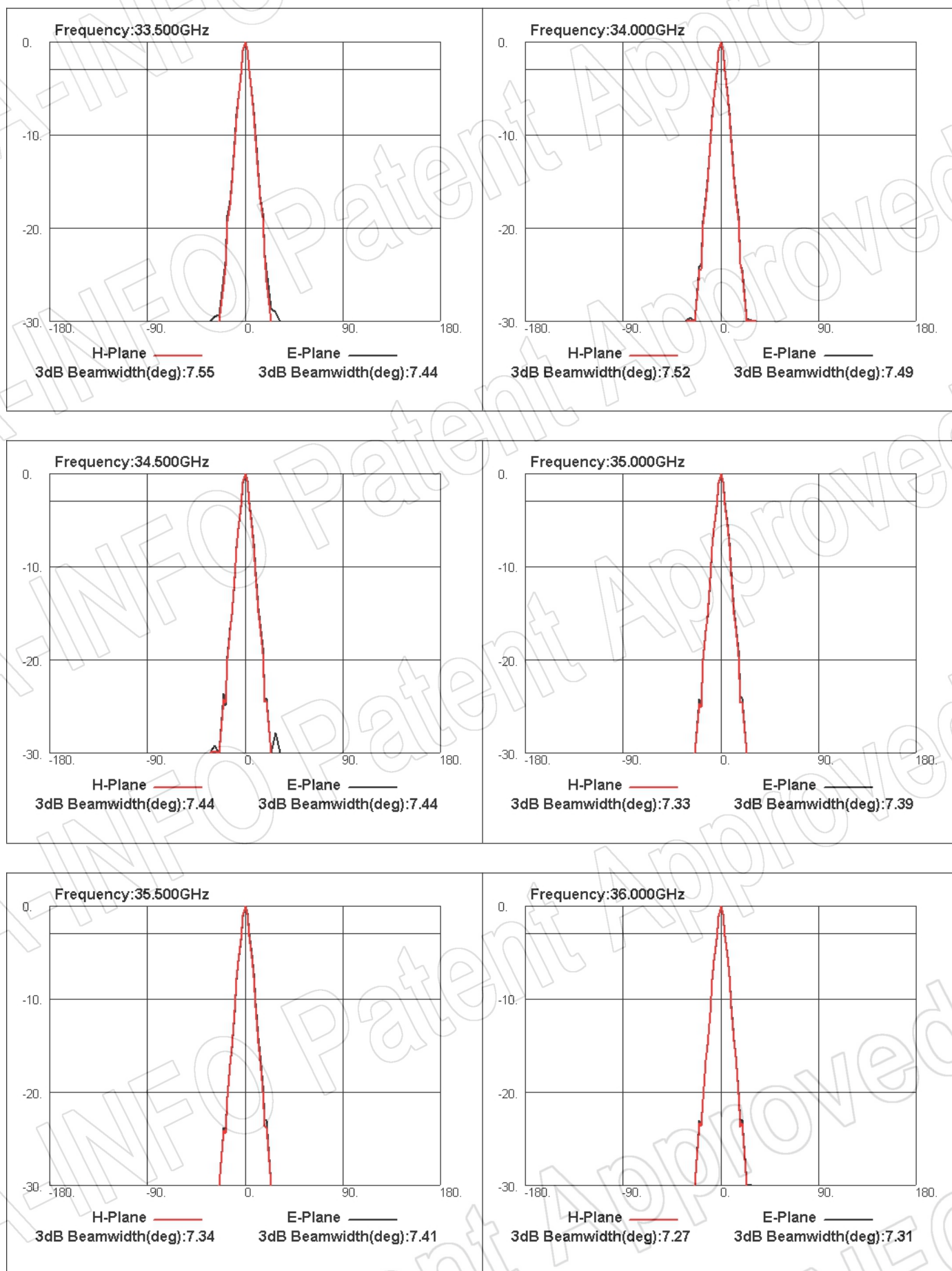
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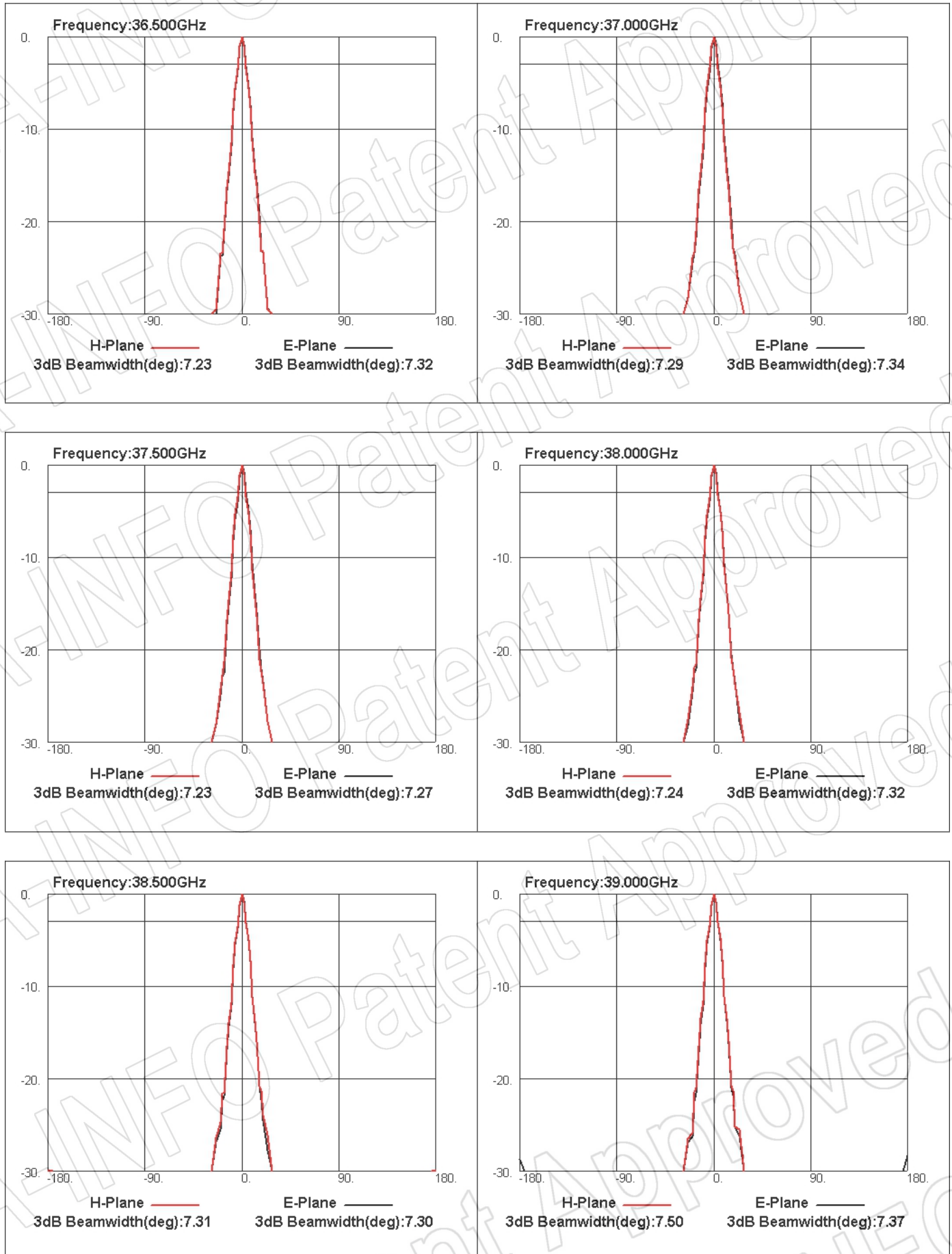


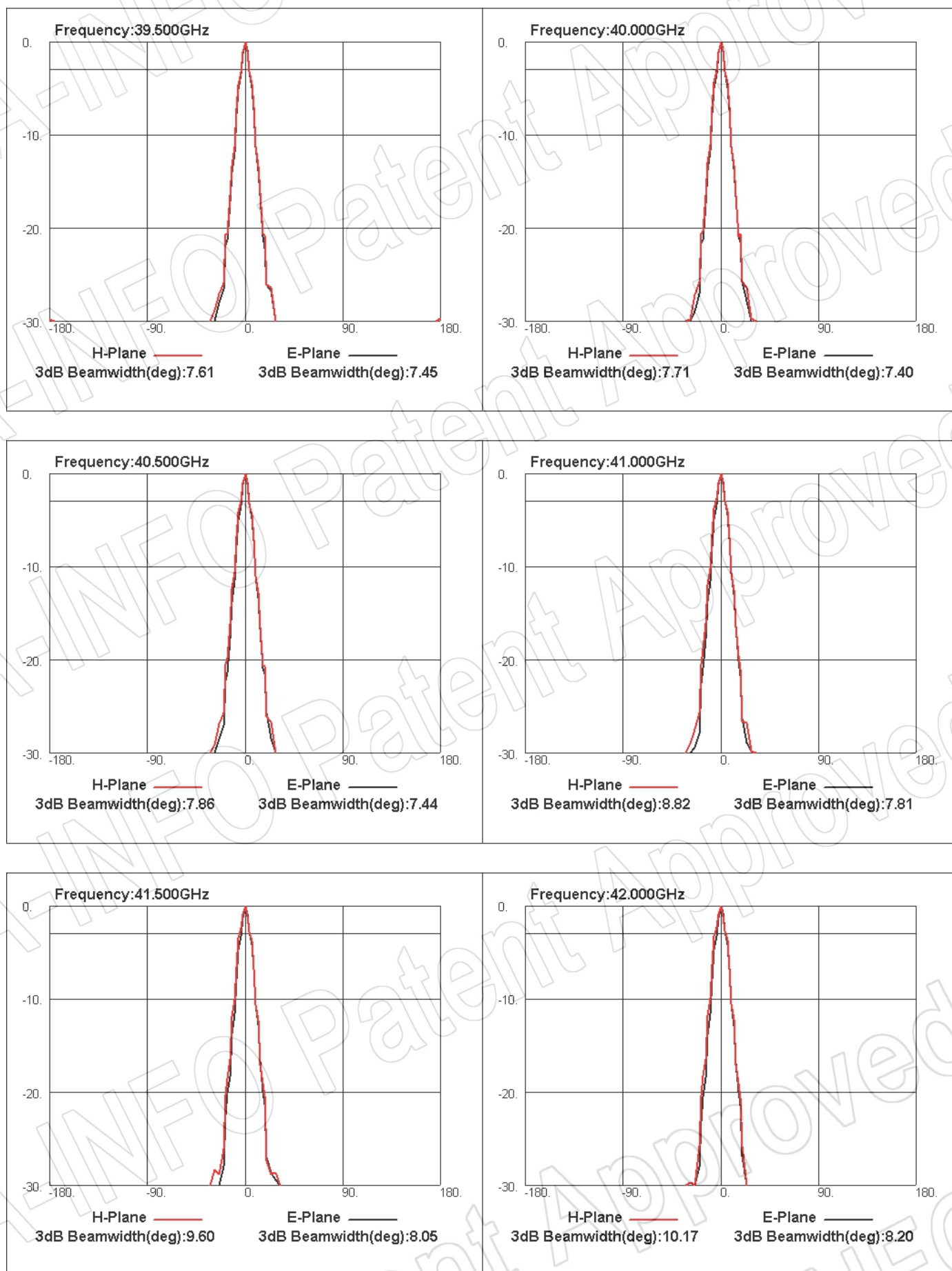


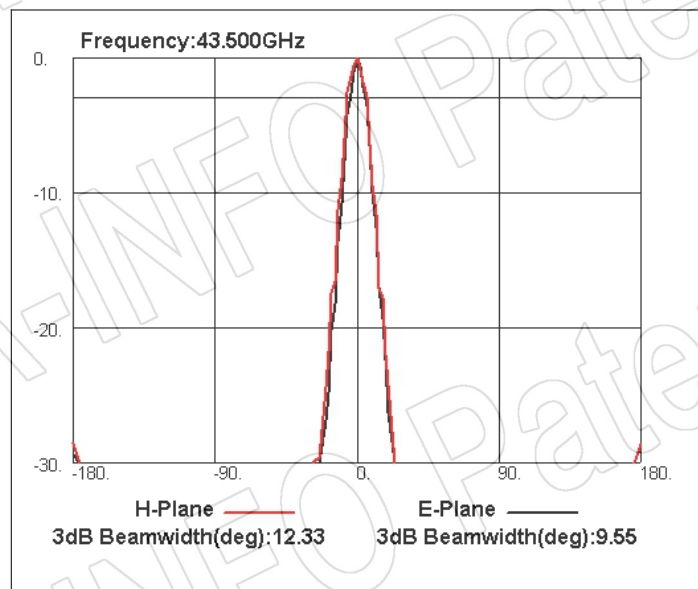
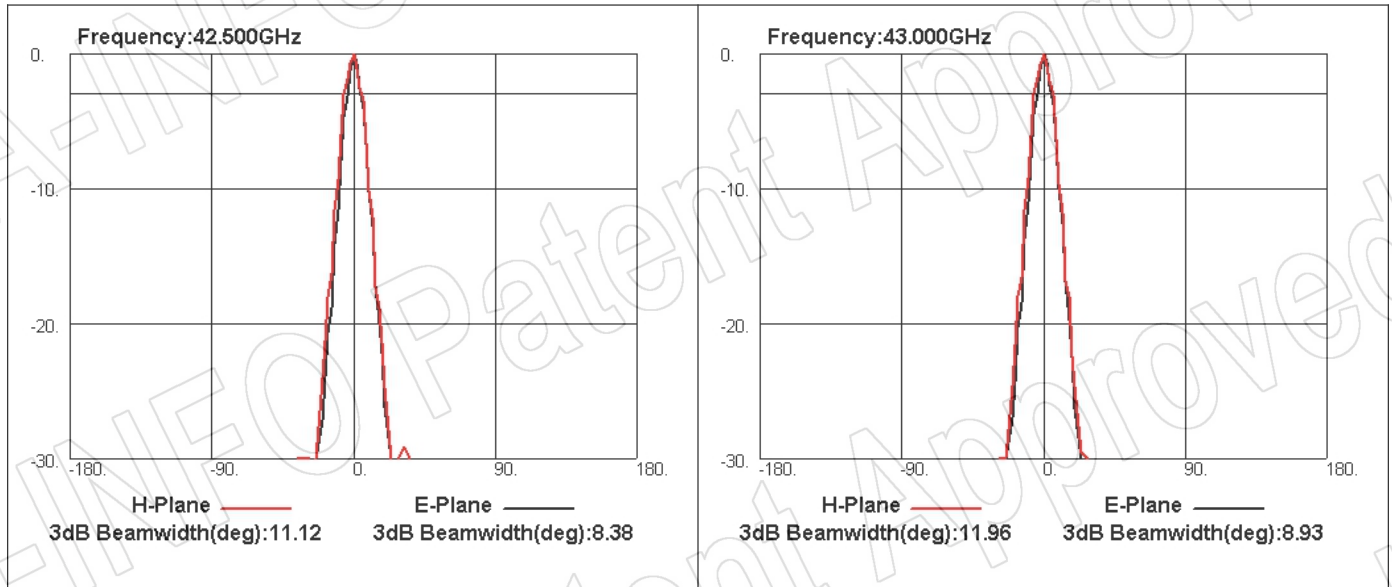












## Port-V

