

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

## Technical Specification

|                            |                                              |                                             |
|----------------------------|----------------------------------------------|---------------------------------------------|
| Frequency Range(GHz)       | 23.5 - 43.5                                  |                                             |
| Waveguide                  | WR28                                         |                                             |
| Gain(dBi)                  | 25 Typ.                                      |                                             |
| Polarization               | Dual Linear                                  |                                             |
| 3dB Beamwidth(deg)         | E Plane:                                     | 8 Typ.                                      |
|                            | H Plane:                                     | 9 Typ.                                      |
| Cross Pol. Isolation(dB)   | 45 Typ.                                      |                                             |
| Port to Port Isolation(dB) | 50 Typ. ; 40 Min.                            |                                             |
| VSWR                       | A Type:                                      | 2.0:1 Max.                                  |
|                            | C Type:                                      | 2.2:1 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 299.7                         |
|                            | C Type:                                      | 90.9 x 90.9 x 322.6                         |
| Net Weight(Kg)             | A Type:                                      | 0.55 Around                                 |
|                            | C Type:                                      | 0.63 Around                                 |

**PATENT ID (US)**

**US D963575**

**AINFO Inc.**

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USA :

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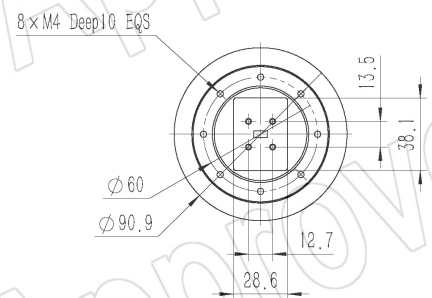
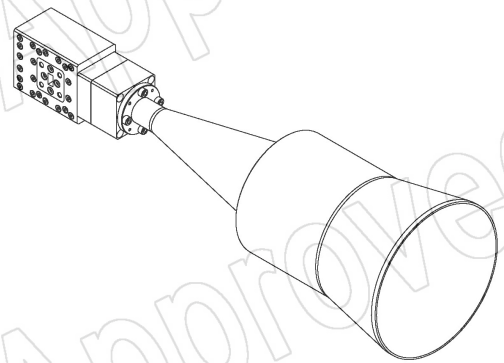
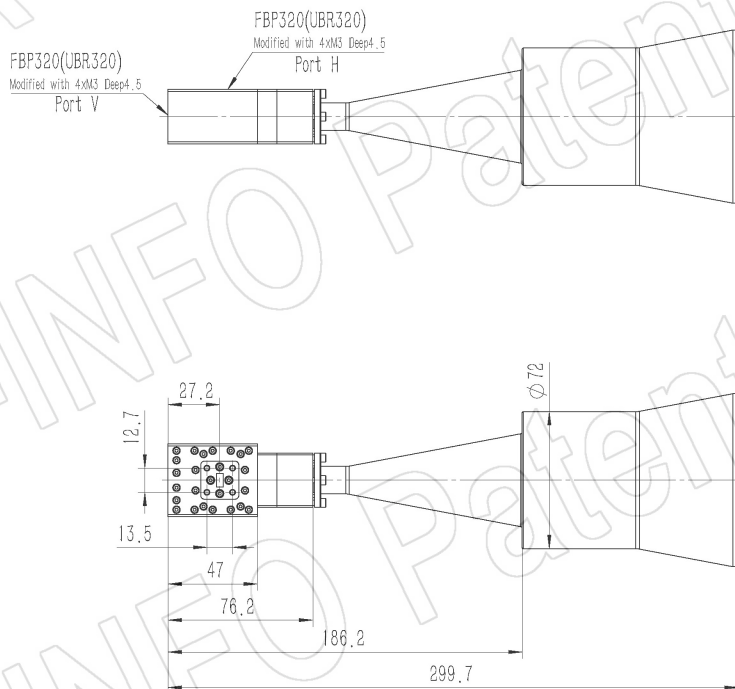
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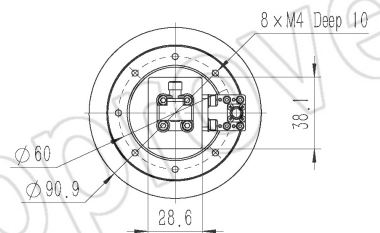
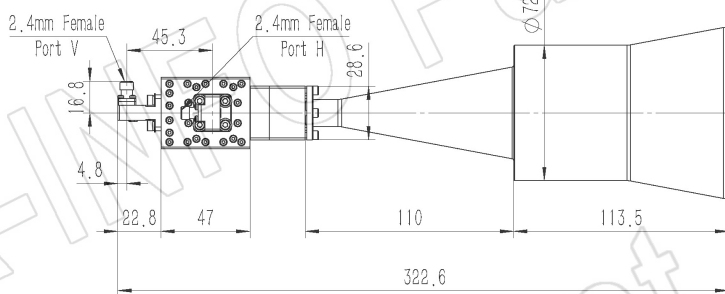
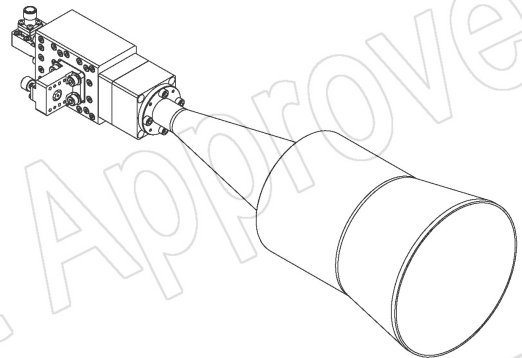
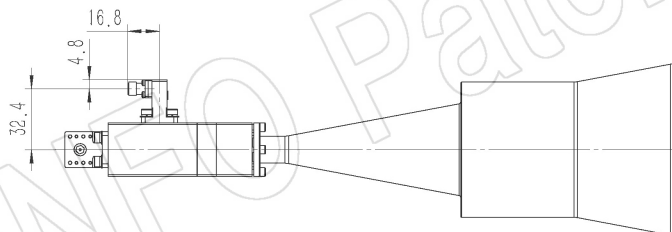
## Outline Drawing (Size: mm)

FBP320 Output (P/N: LB-CNH-28-25-T62-A)

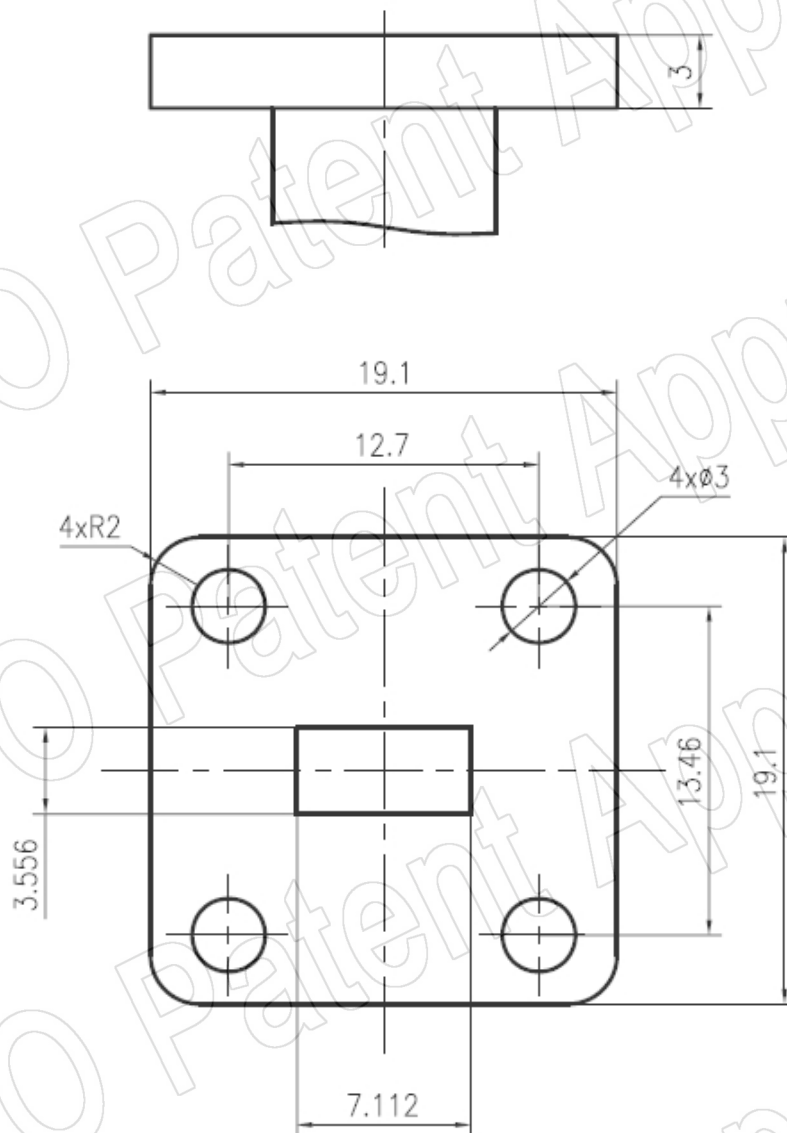


## 2.4mm-Female Output (P/N: LB-CNH-28-25-T62-C-2.4F)

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



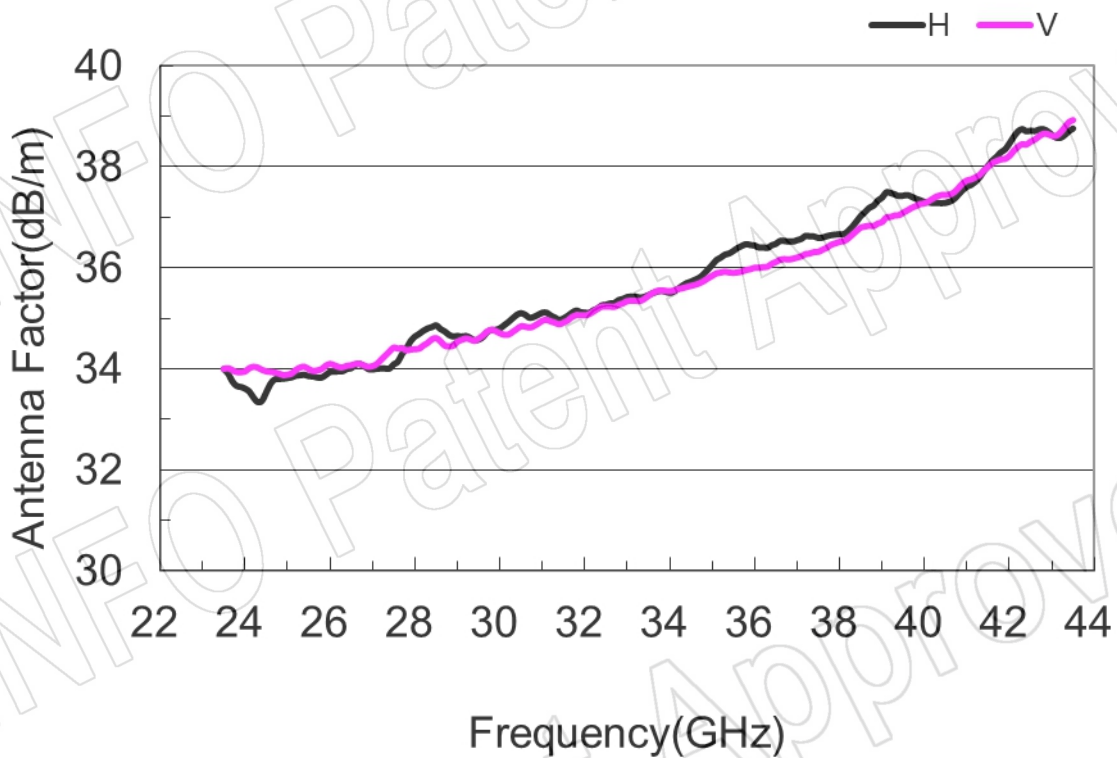
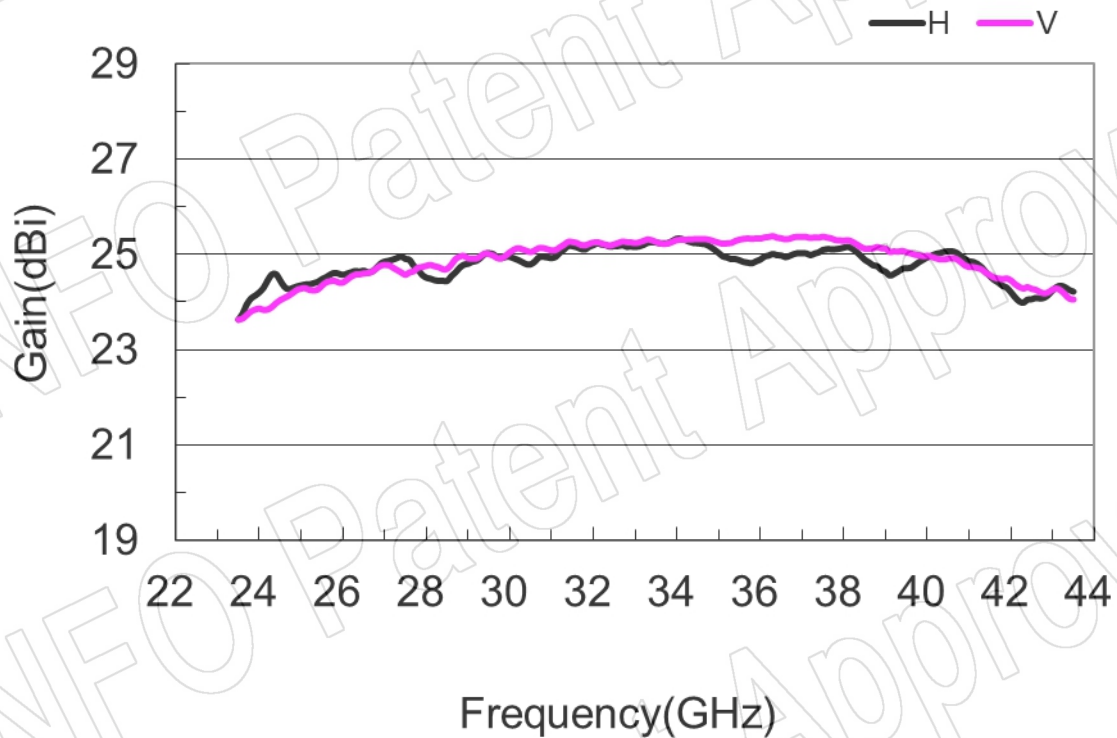
## Flange Drawing (Size: mm)



FBP320

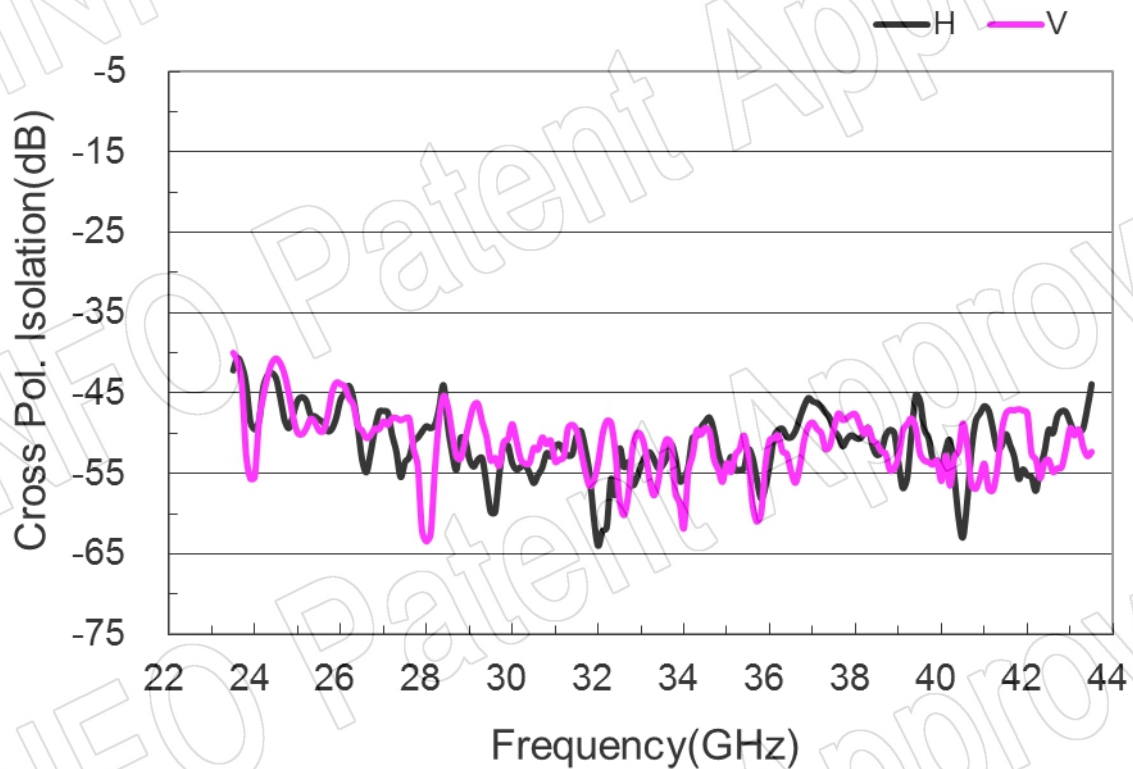
## Test Results

### 1. Gain & Antenna Factor

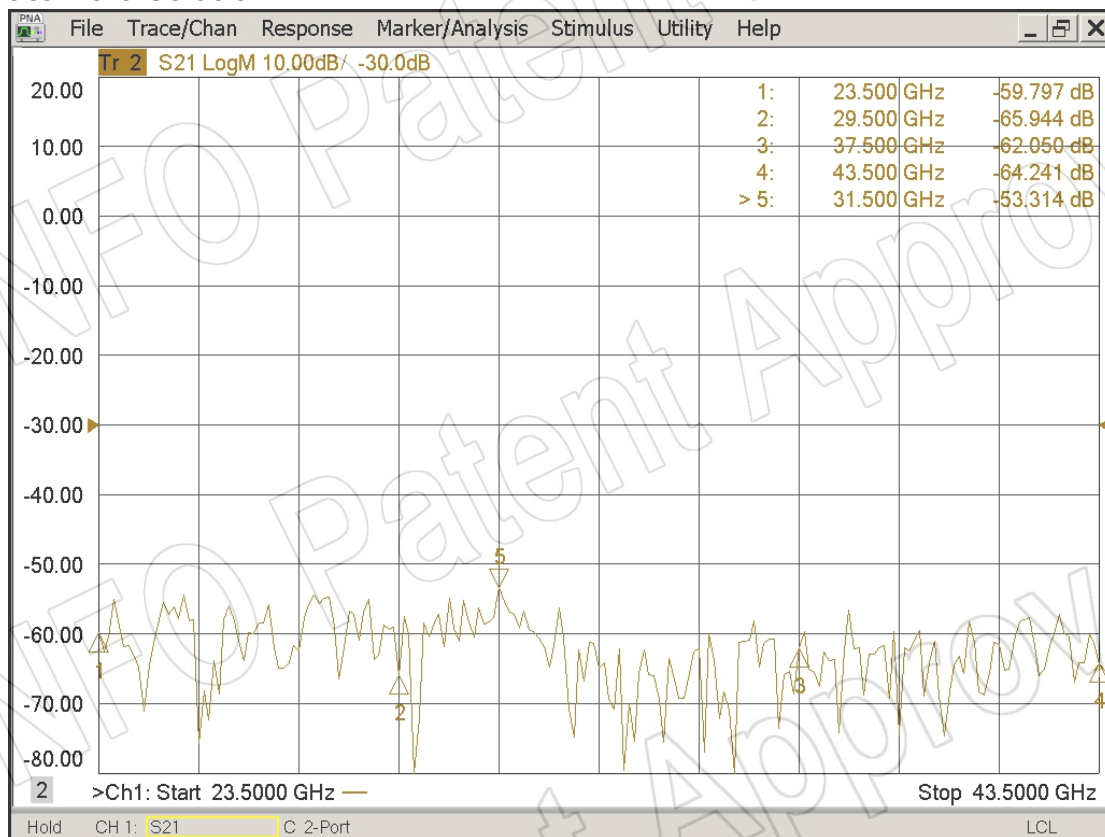




## 2. Cross Polarization Isolation

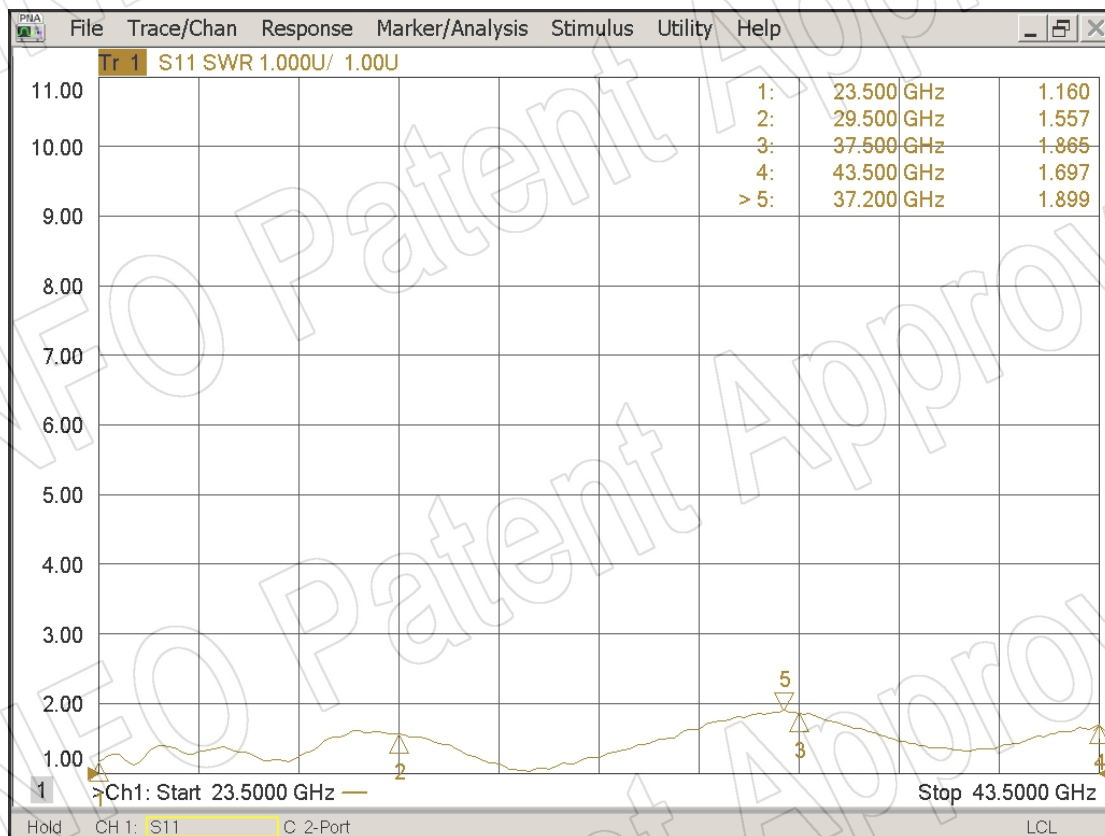


## 3. Port to Port Isolation

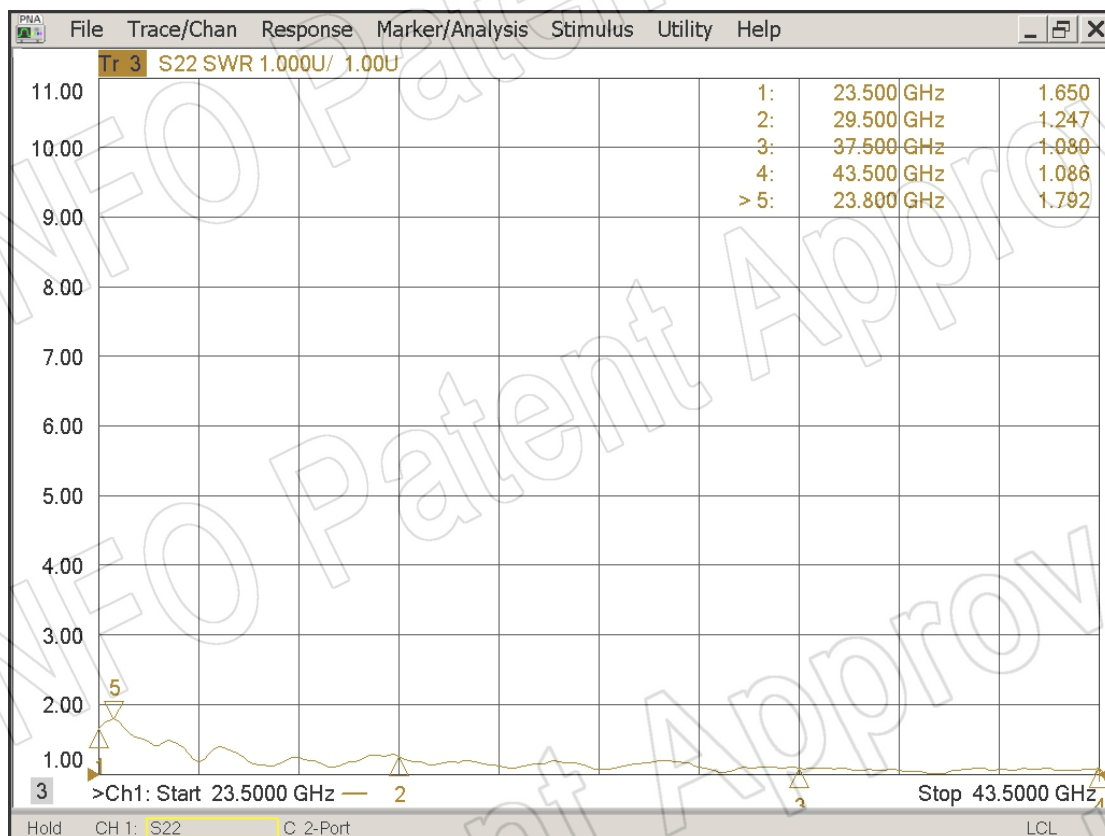


## 4. VSWR\_A Type

Port-H



Port-V



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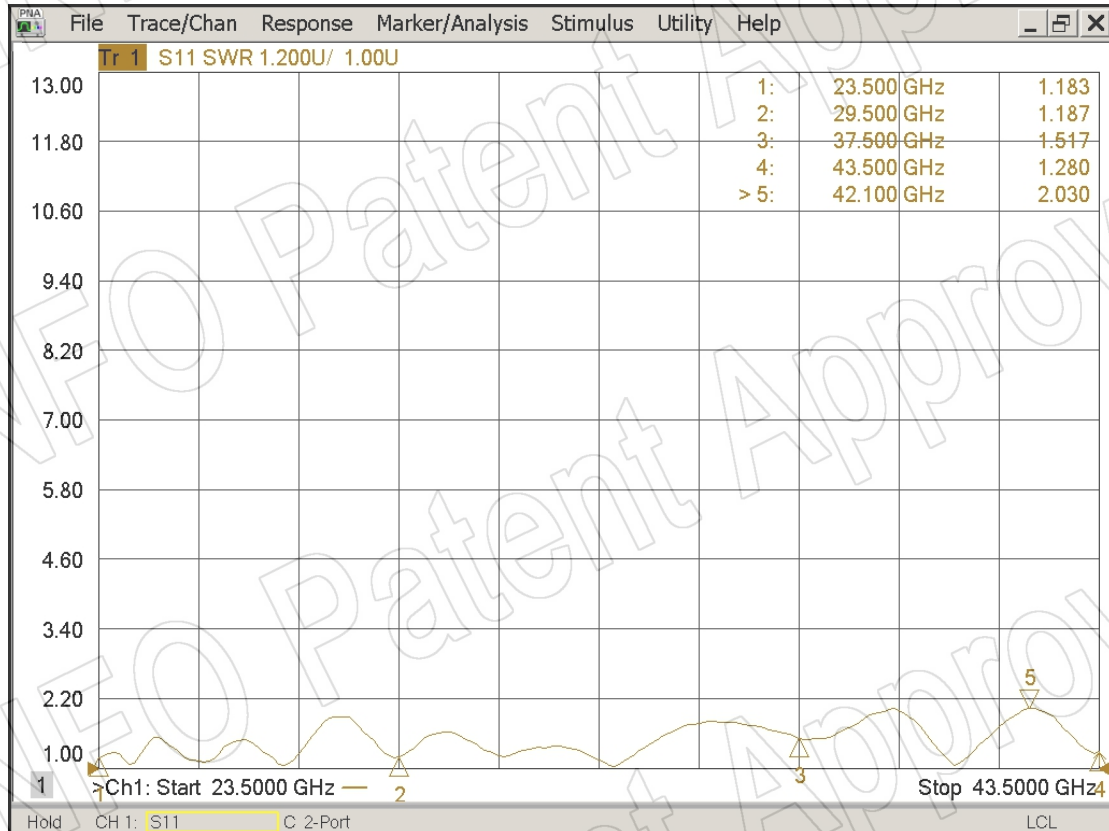
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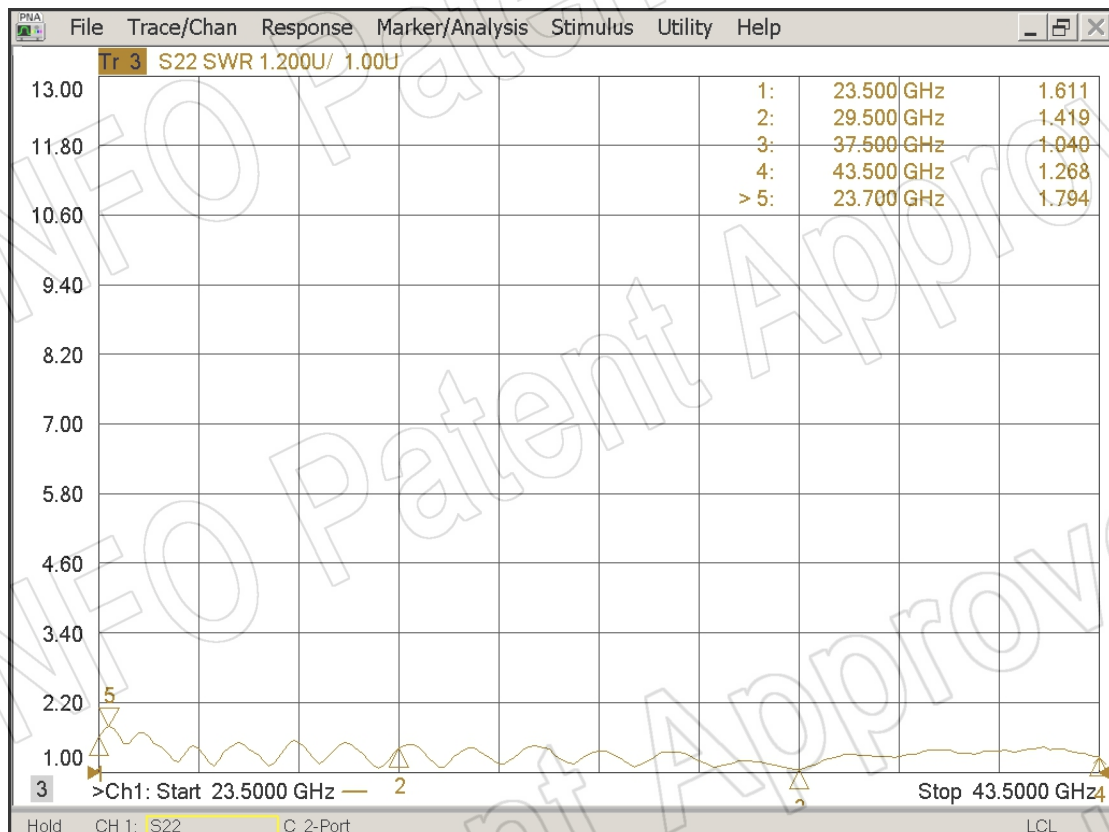
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## VSWR\_C Type

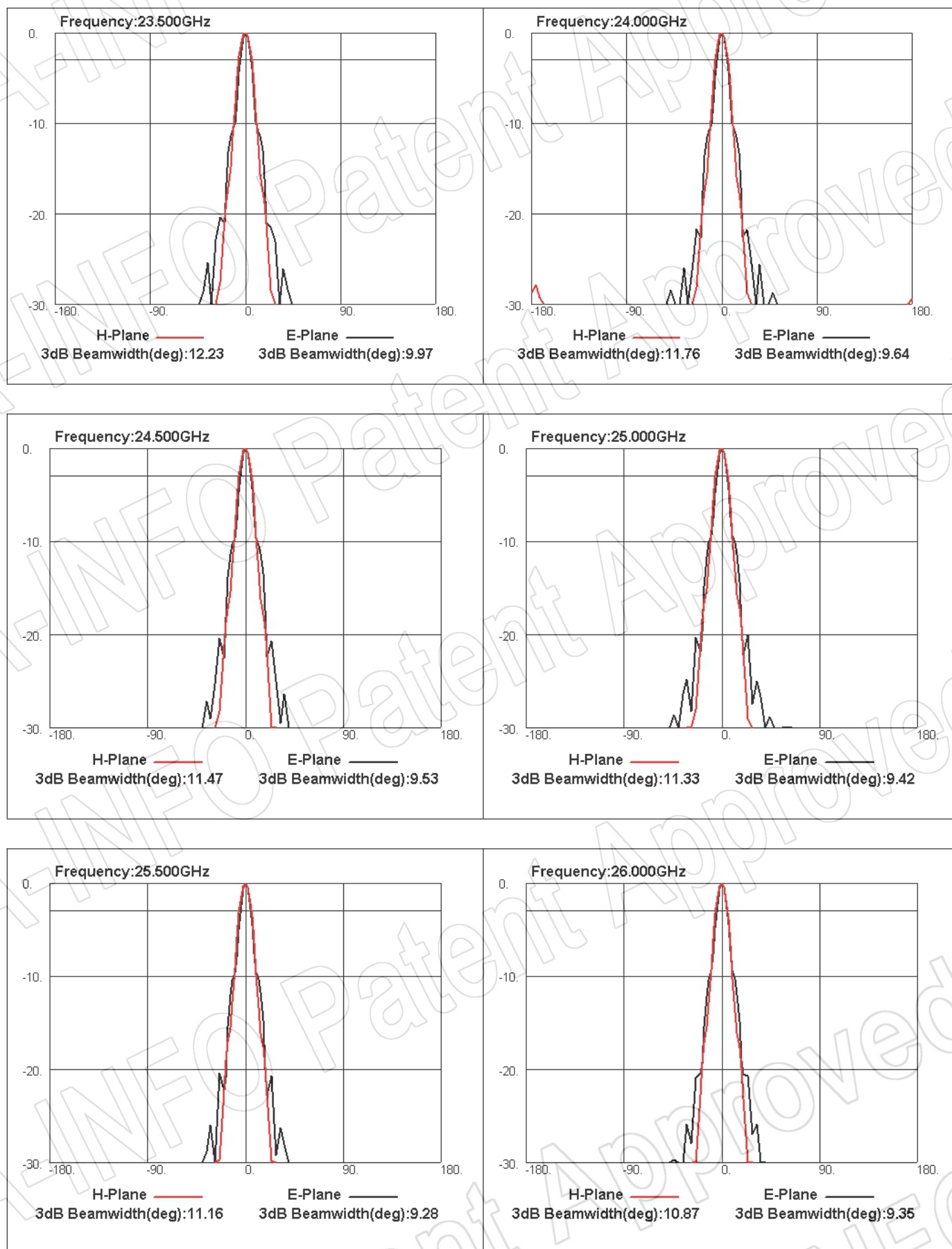
### Port-H



### Port-V



## 5. Pattern



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