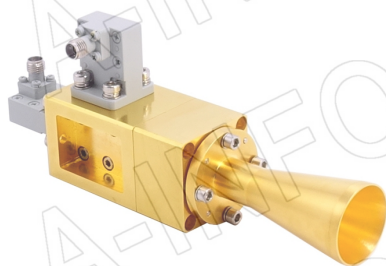


For reference only. See data sheet for the detailed specifications.

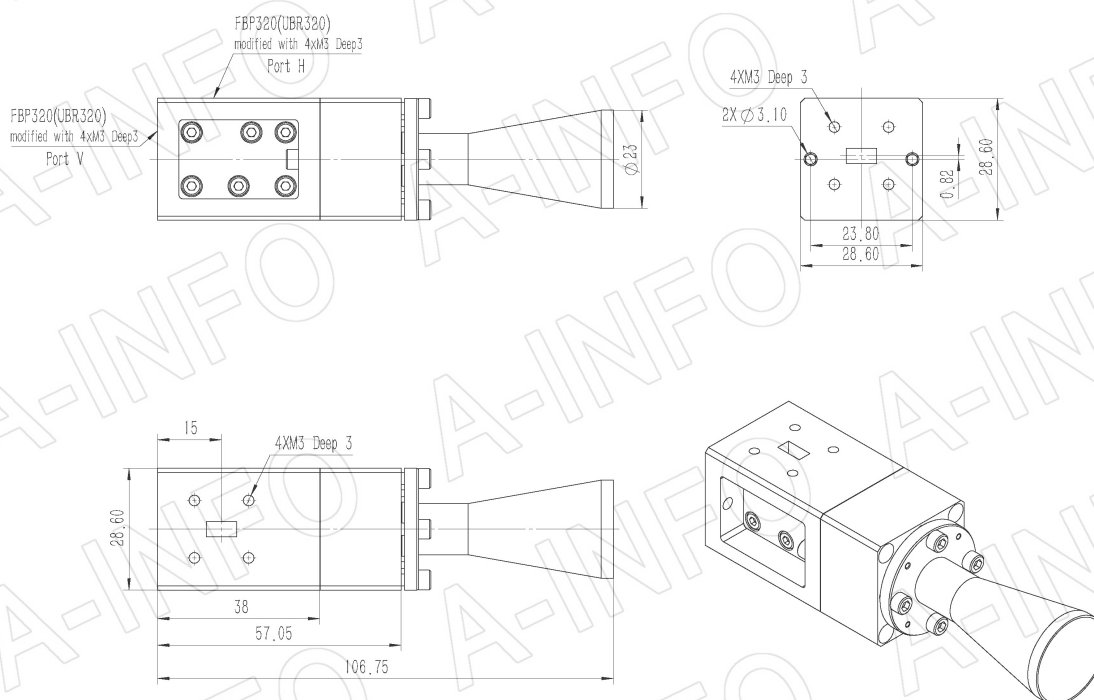
## Technical Specification



|                            |                                                      |
|----------------------------|------------------------------------------------------|
| Frequency Range(GHz)       | 30.0 – 40.0                                          |
| Waveguide                  | WR28                                                 |
| Gain(dBi)                  | 15 Typ.                                              |
| Polarization               | Dual Linear                                          |
| 3dB Beamwidth(deg)         | E Plane: 23 Typ.                                     |
|                            | H Plane: 28 Typ.                                     |
| Cross Pol. Isolation(dB)   | 30 Typ. ; 20 Min.                                    |
| Port to Port Isolation(dB) | 40 Typ. ; 30 Min.                                    |
| VSWR                       | A Type: 2.20:1 Max.                                  |
|                            | C Type: 2.60:1 Max.                                  |
| Output                     | A Type: FBP320(UBR320)<br>(modified with 4xM3 Deep3) |
|                            | C Type: 2.92mm-Female<br>or 2.4mm-Female             |
| Material                   | Cu                                                   |
| Finish                     | Gold Plated, Gray Paint                              |
| Size(mm)                   | A Type: 28.6 x 28.6 x 106.75                         |
|                            | C Type: 30.5 x 52.6 x 130.8                          |
| Net Weight(Kg)             | A Type: 0.34 Around                                  |
|                            | C Type: 0.42 Around                                  |

## Outline Drawing (Size: mm)

FBP320 Output (P/N: LB-CNH-28-15-T06-A)



AINFO Inc.

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

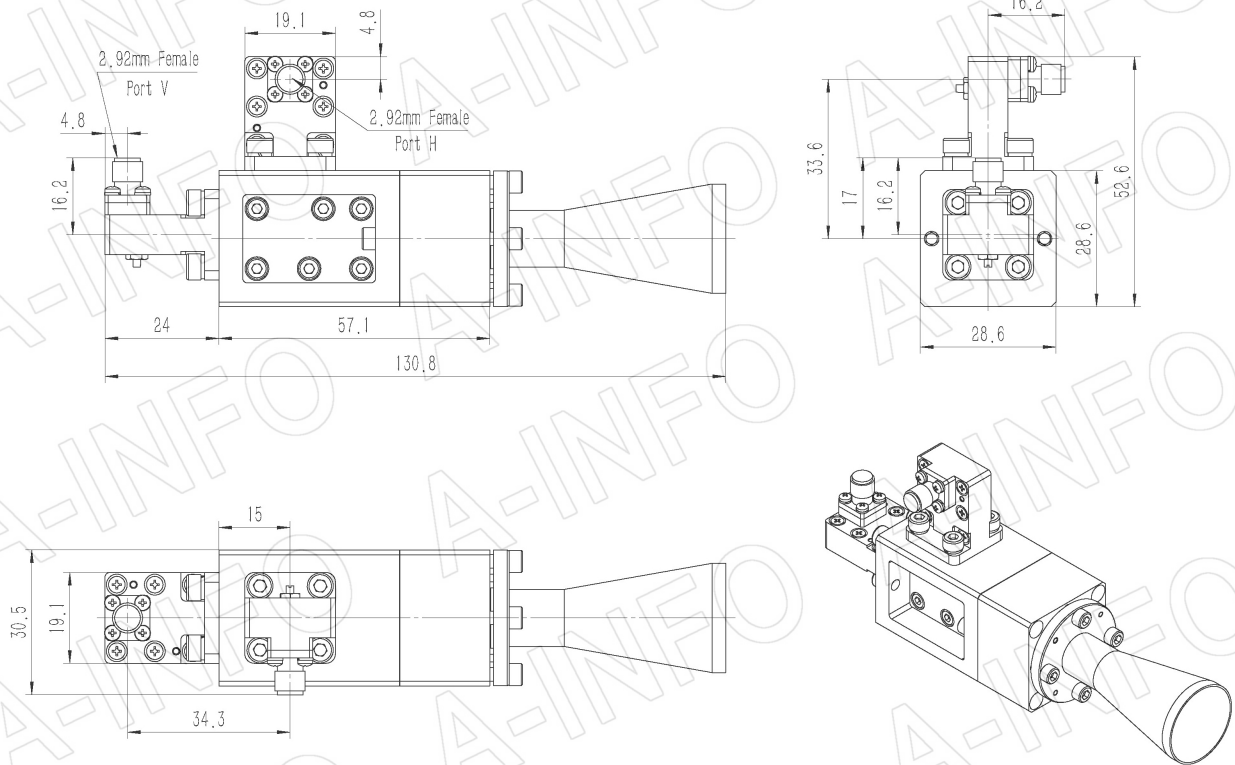
(+86) 10-6266-7327  
(+86) 28-8519-3044  
(+1) 949-639-9608

Fax: (+86) 10-6266-7379  
Fax: (+86) 28-8519-3068  
Fax: (+1) 949-639-9670

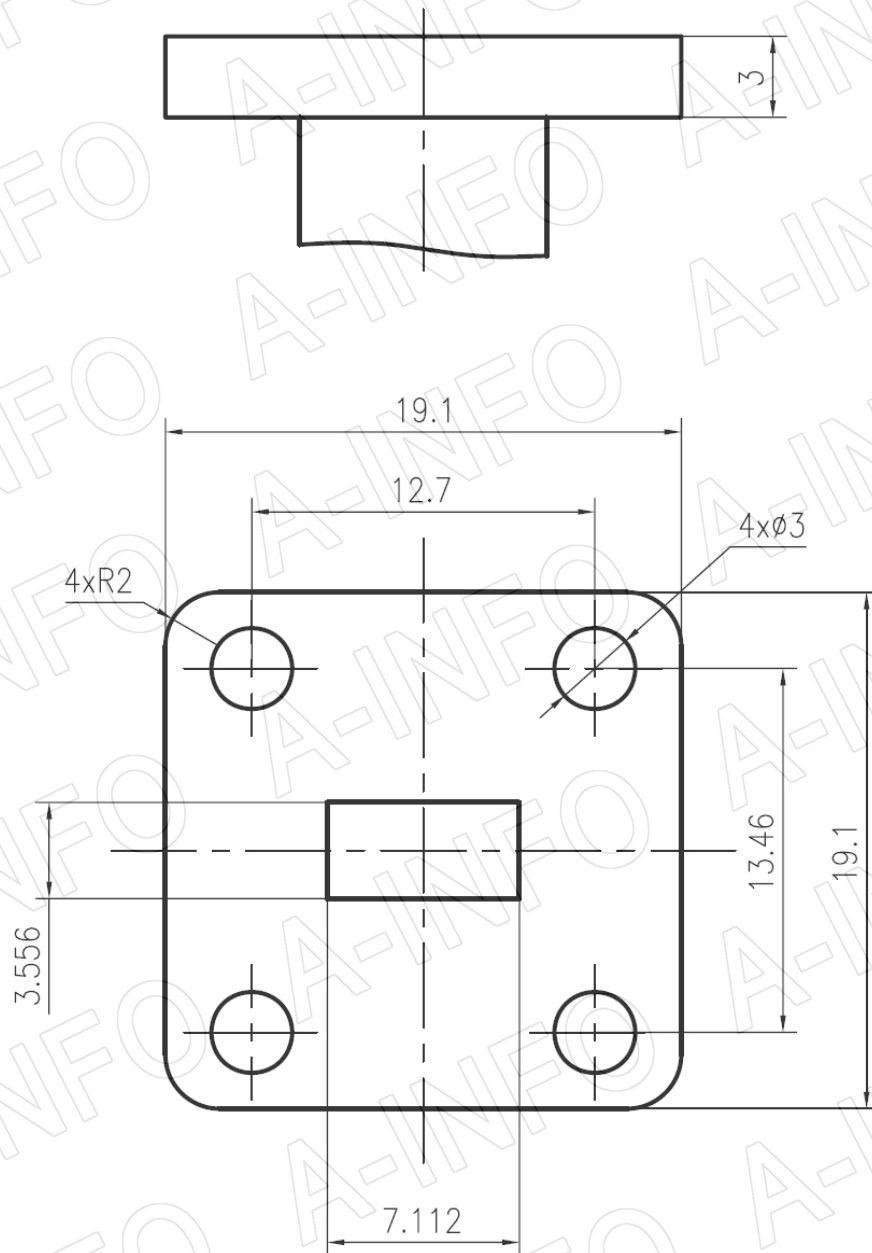
Website: [www.ainfoinc.com](http://www.ainfoinc.com)  
Email: [sales@ainfoinc.com](mailto:sales@ainfoinc.com)

## 2.92mm-Female Output (P/N: LB-CN-28-15-T06-C-KF)

For 2.4mm-Female output outline drawing, please contact A-INFO.



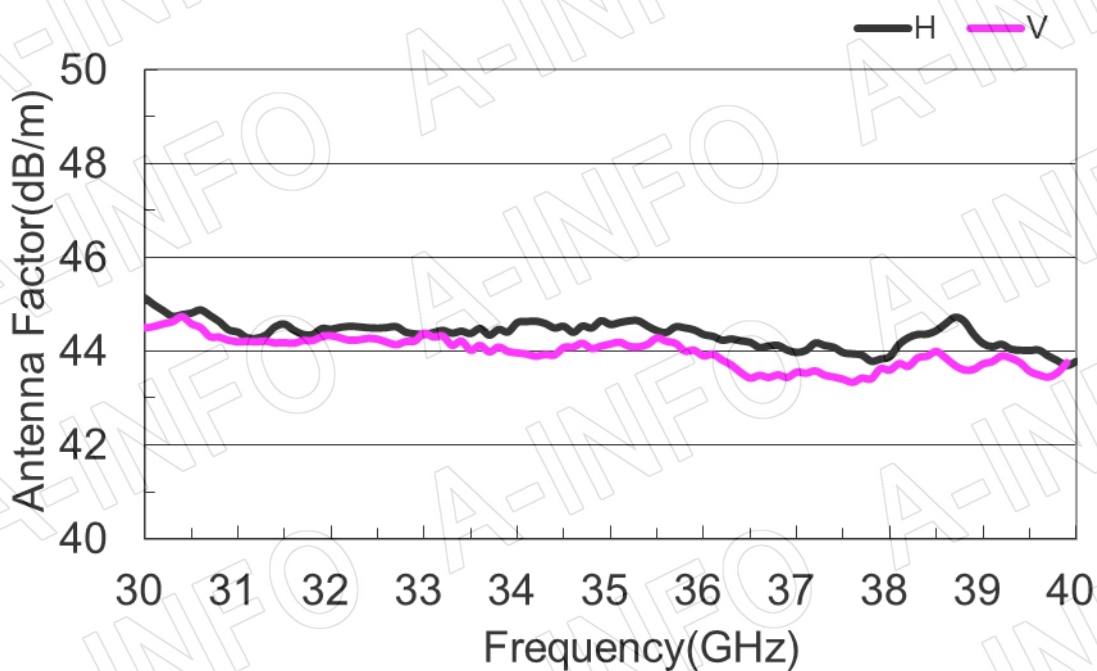
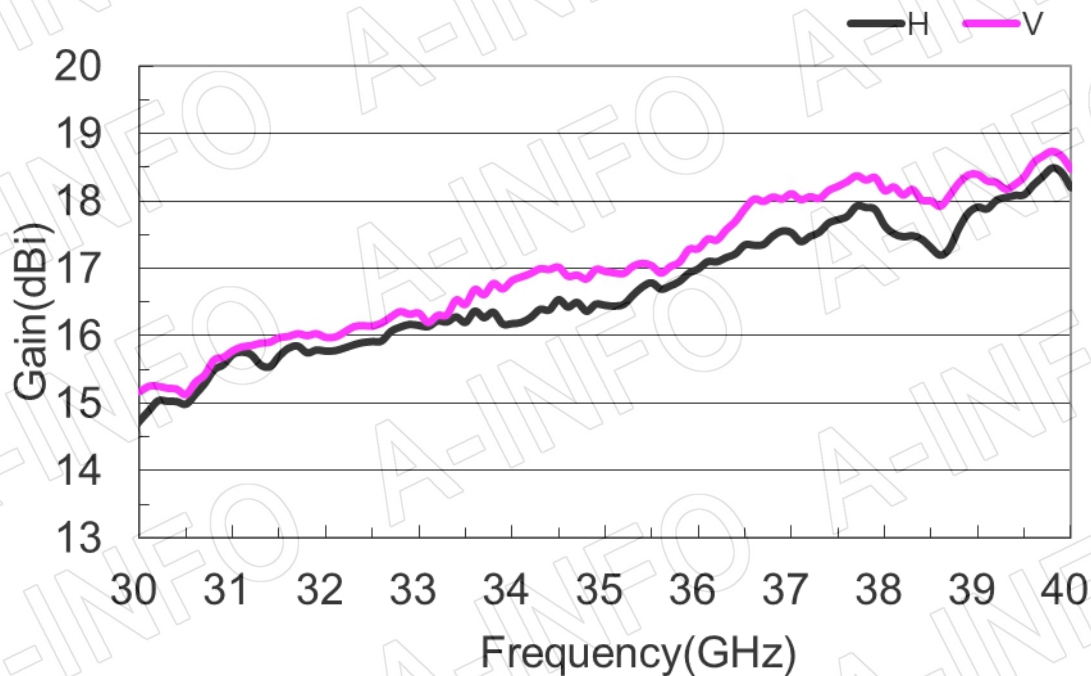
## Flange Drawing (Size: mm)



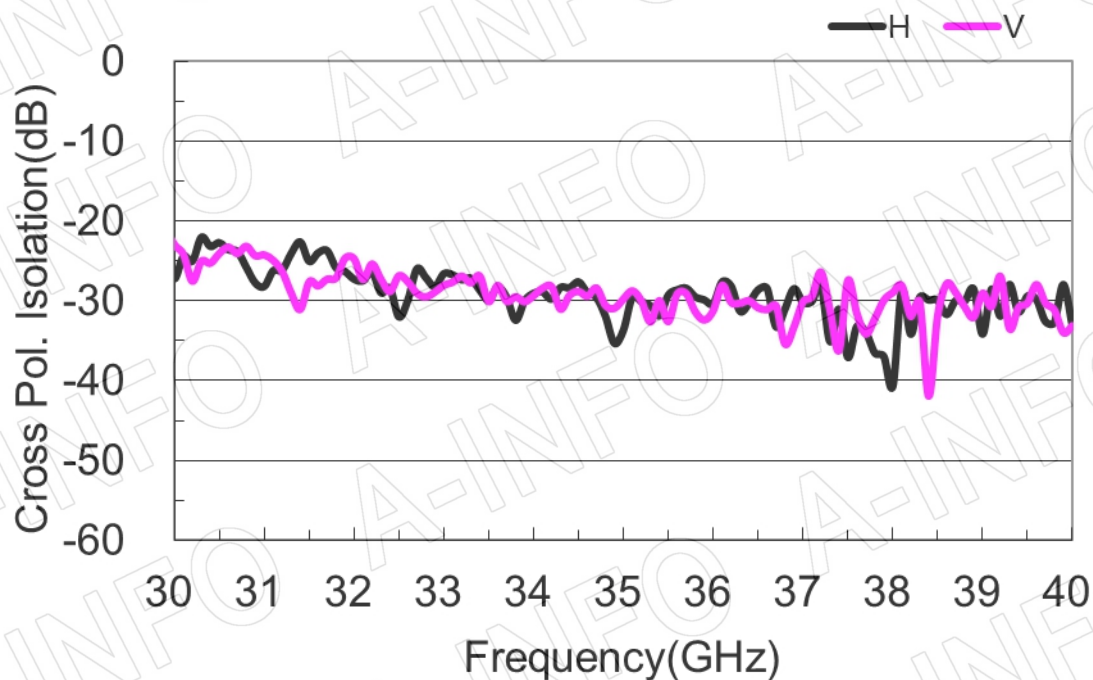
**FBP320**

## Test Results

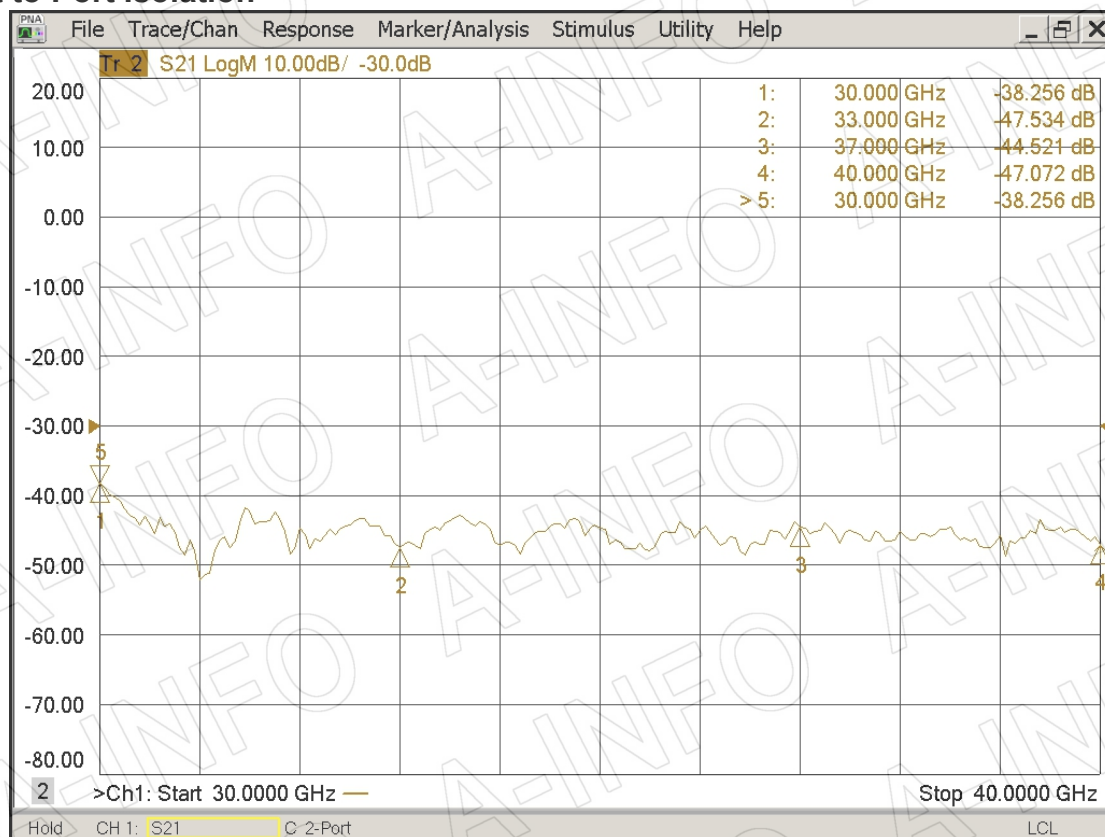
### 1. Gain & Antenna Factor



## 2. Cross Polarization Isolation

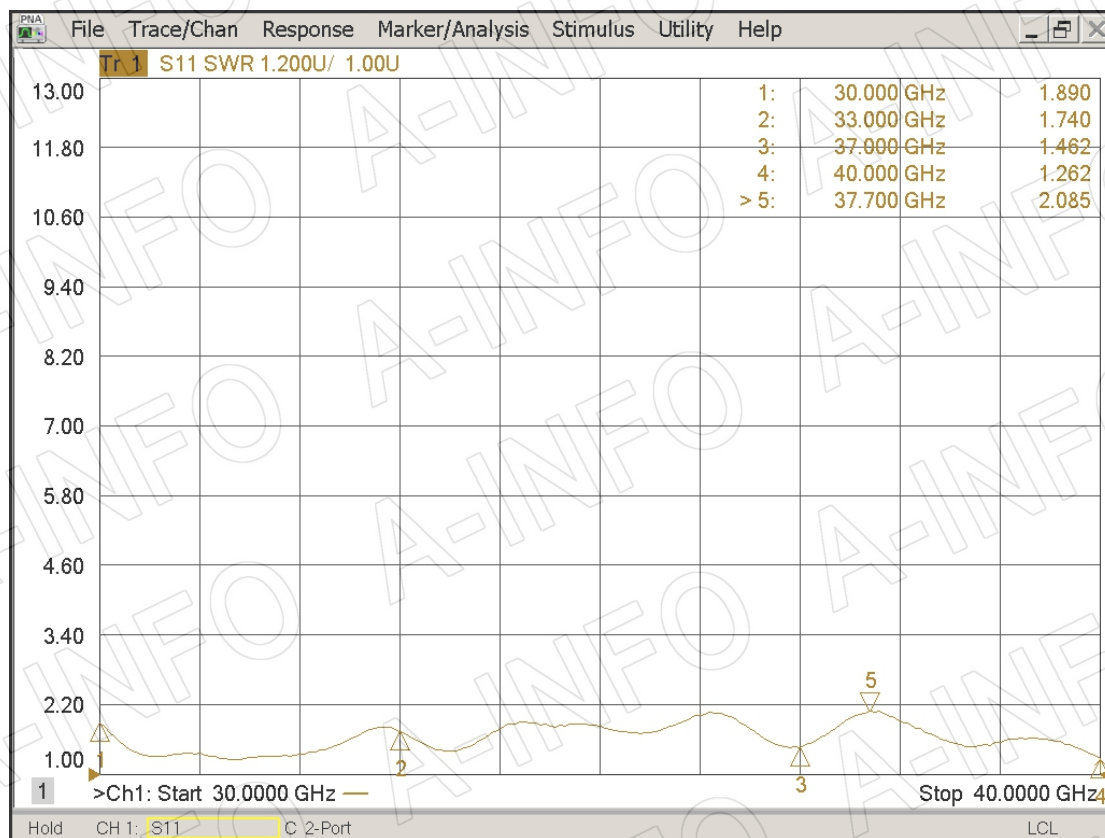


## 3. Port to Port Isolation

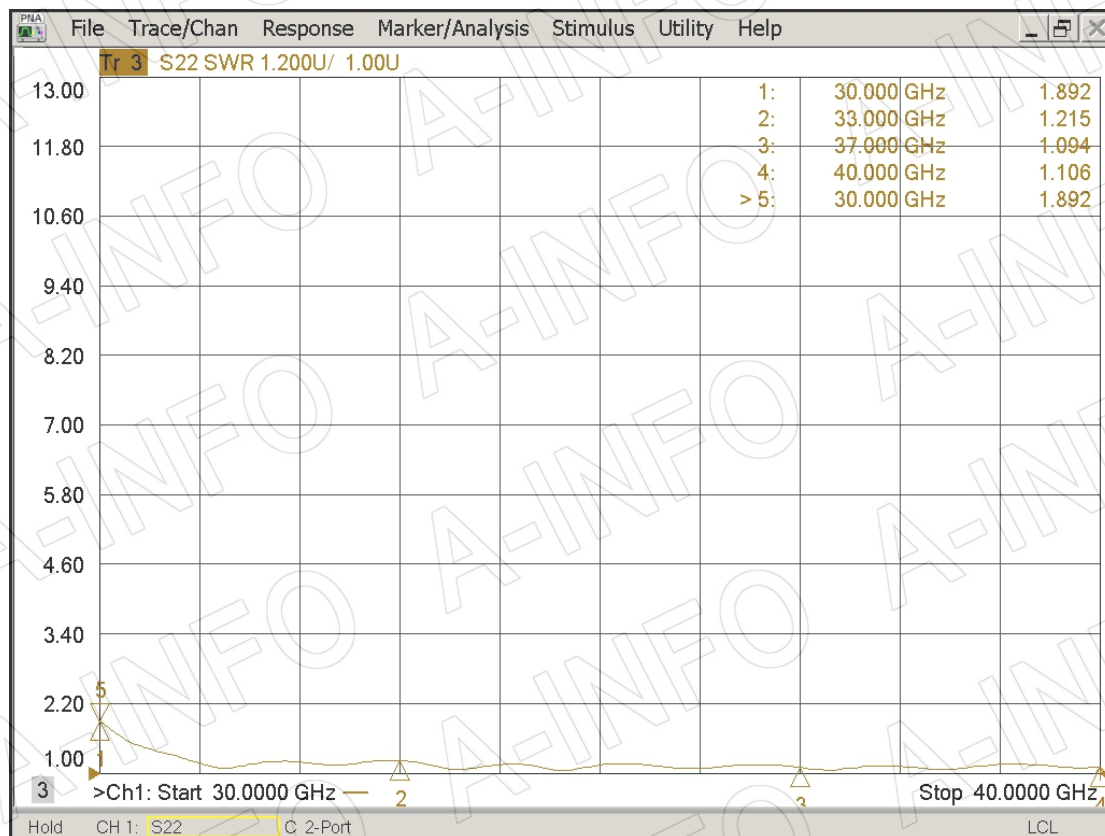


## 4. VSWR\_A Type

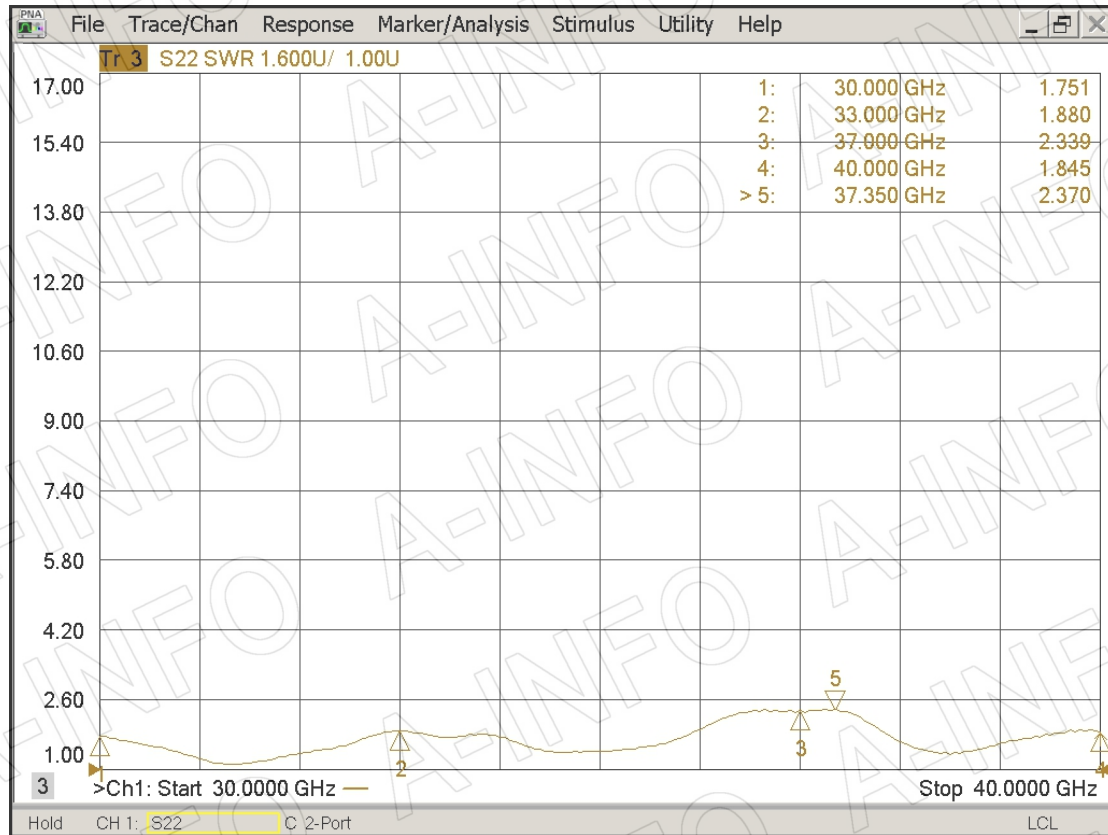
### Port-H



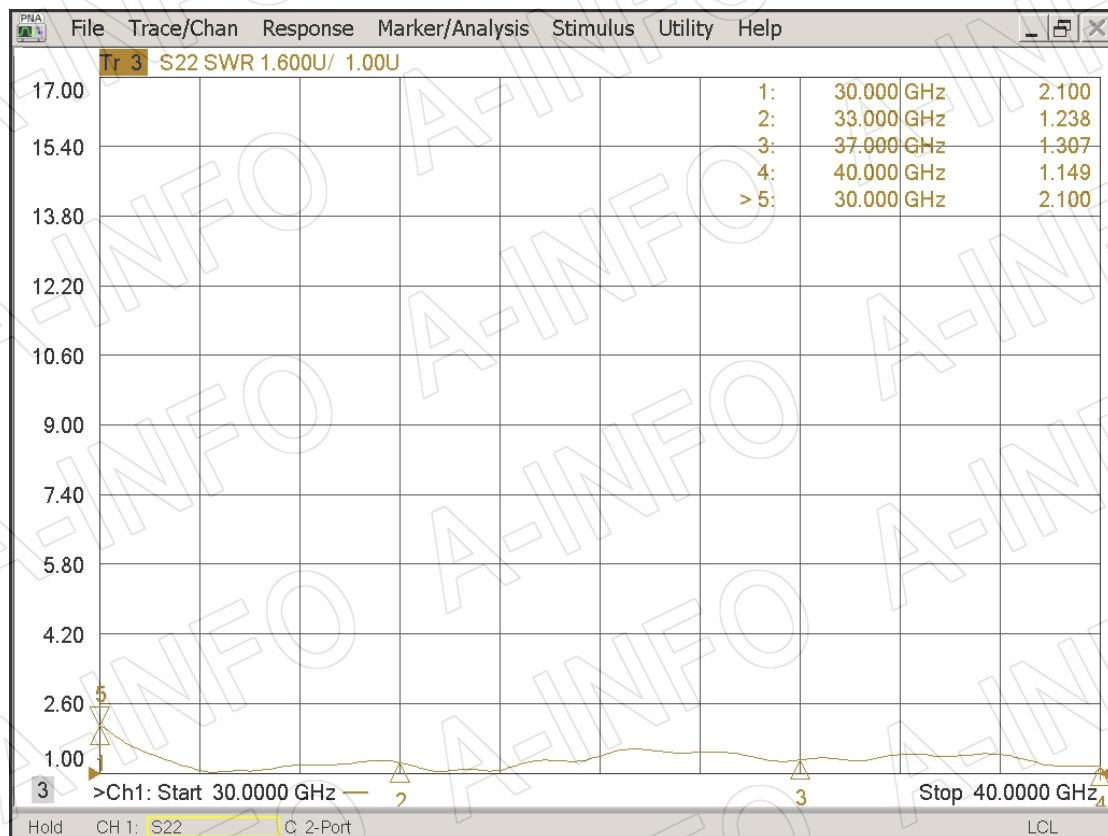
### Port-V



## VS<sub>WR</sub>\_C Type Port-H



## Port-V



## 5. Pattern

