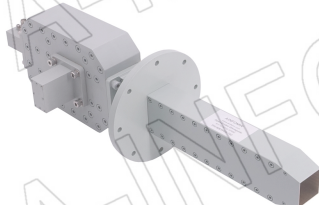


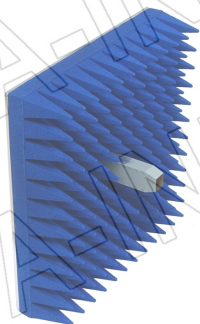
For reference only. See data sheet for the detailed specifications.

## Technical Specification

90EWGS-T02



90EWGS-T02-A1

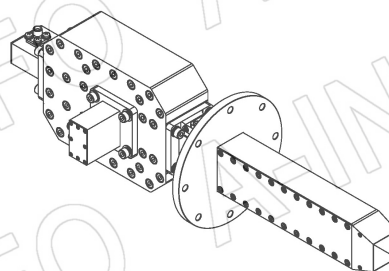
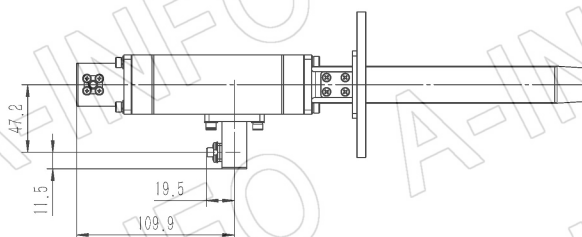
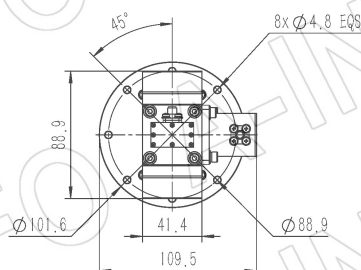
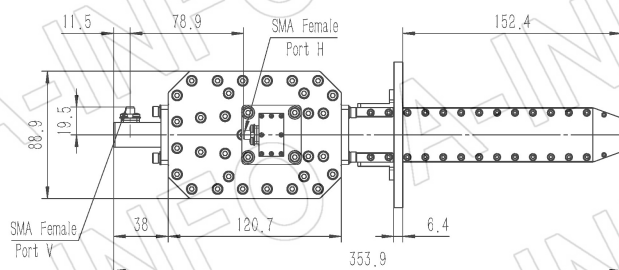


|                            |                                                                           |
|----------------------------|---------------------------------------------------------------------------|
| Frequency Range(GHz)       | 8.2 – 12.4                                                                |
| Waveguide                  | WR90                                                                      |
| Gain(dBi)                  | 8 Typ.                                                                    |
| Polarization               | Dual Linear                                                               |
| 3dB Beamwidth(deg)         | E Plane: 60 Typ.<br>H Plane: 65 Typ.                                      |
| Cross Pol. Isolation(dB)   | 35 Typ.                                                                   |
| Port to Port Isolation(dB) | 50 Typ.                                                                   |
| VSWR                       | 1.50:1 Typ.                                                               |
| Output                     | SMA-Female<br>or N-Female<br>or TNC-Female<br>or 7mm<br>or 3.5mm-Female   |
| Material                   | Al                                                                        |
| Finish                     | Silver Plated and Chemical Conversion<br>Coating, Gray Paint              |
| Size(mm)                   | 90EWGx-T02: 109.5 x 101.6 x 353.9<br>90EWGx-T02-A1: 399.6 x 399.6 x 353.9 |
| Net Weight(Kg)             | 90EWGx-T02: 1.55 Around<br>90EWGx-T02-A1: 3.68 Around                     |

## Outline Drawing (Size: mm)

### SMA-Female Output (P/N: 90EWGS-T02)

For N-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.



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  
(+1) 949-639-9608

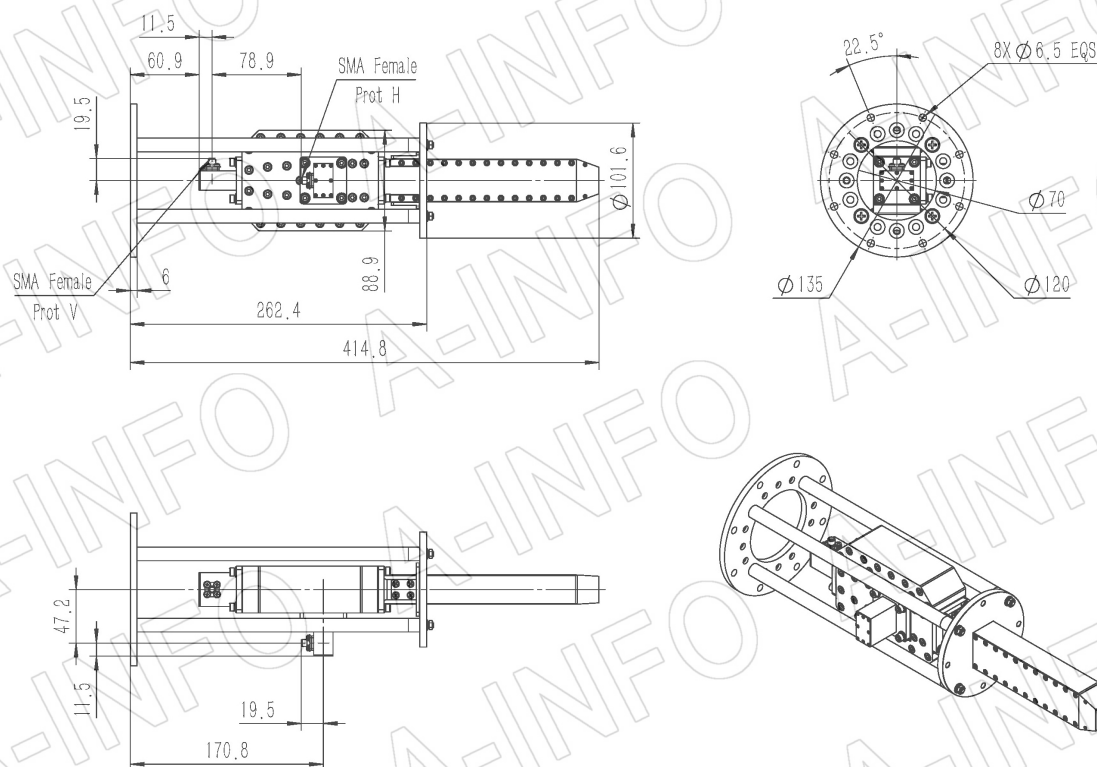
Page 1 of 9

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)

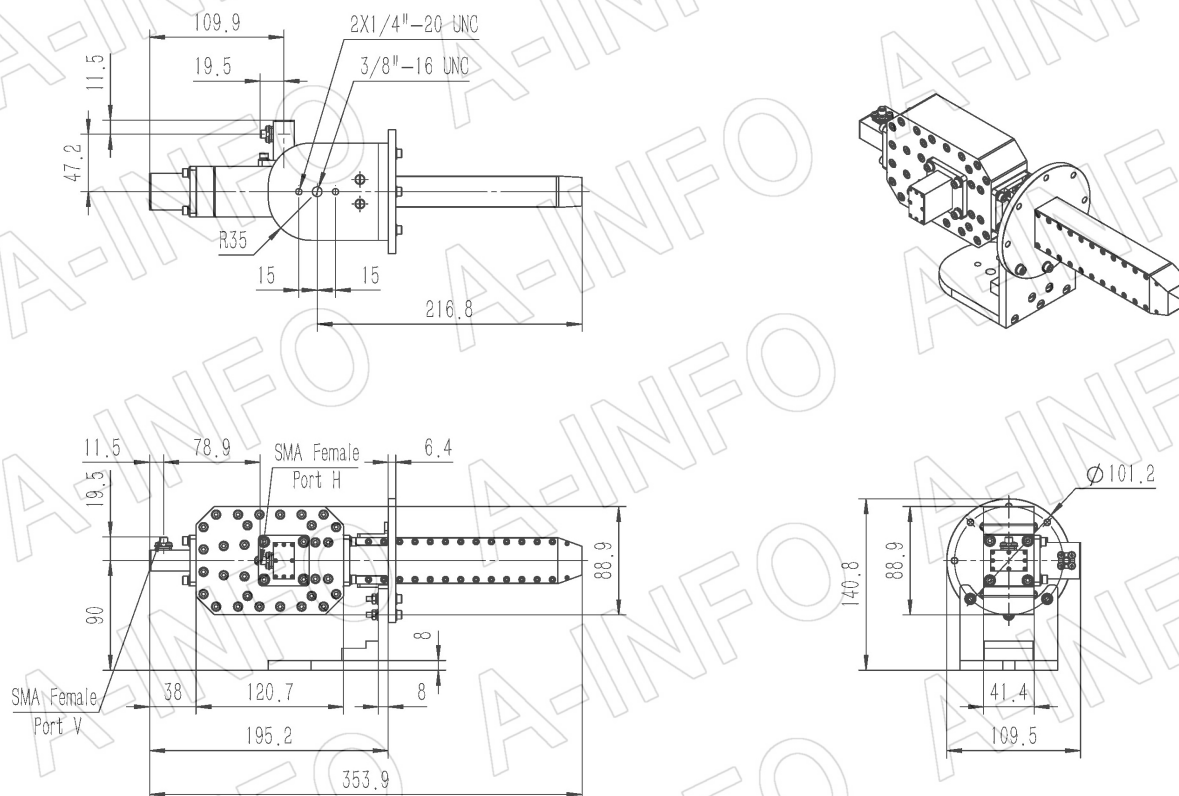
## SMA-Female Output with Round Type Mounting Bracket (Option, P/N:EWG-MB40)

For N-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.



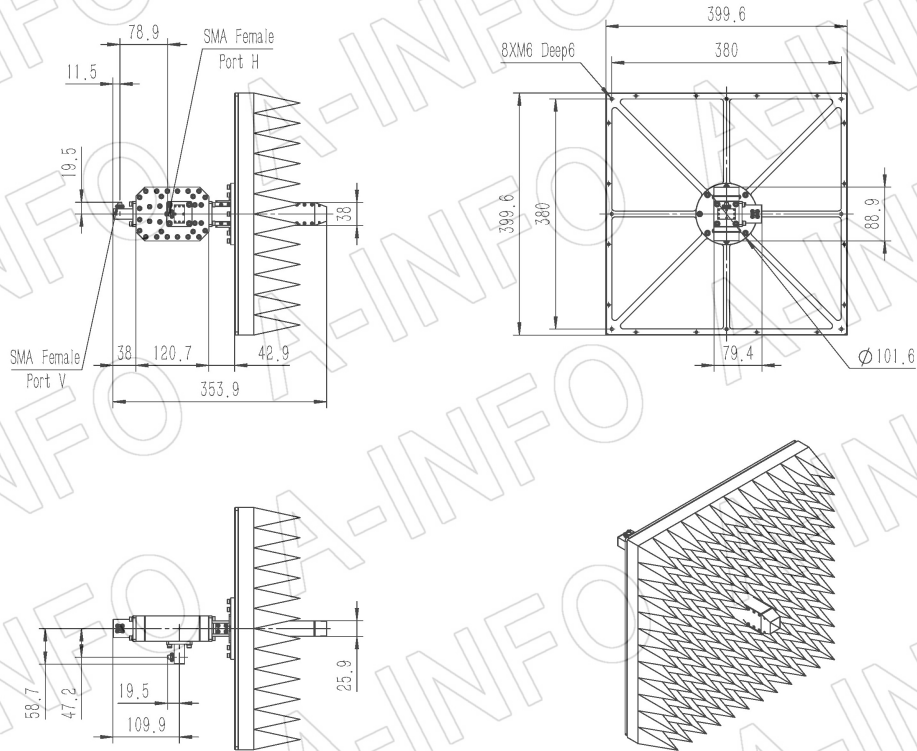
## SMA-Female Output with L Type Mounting Bracket (Option, P/N: EWG-L30/FPR)

For N-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.



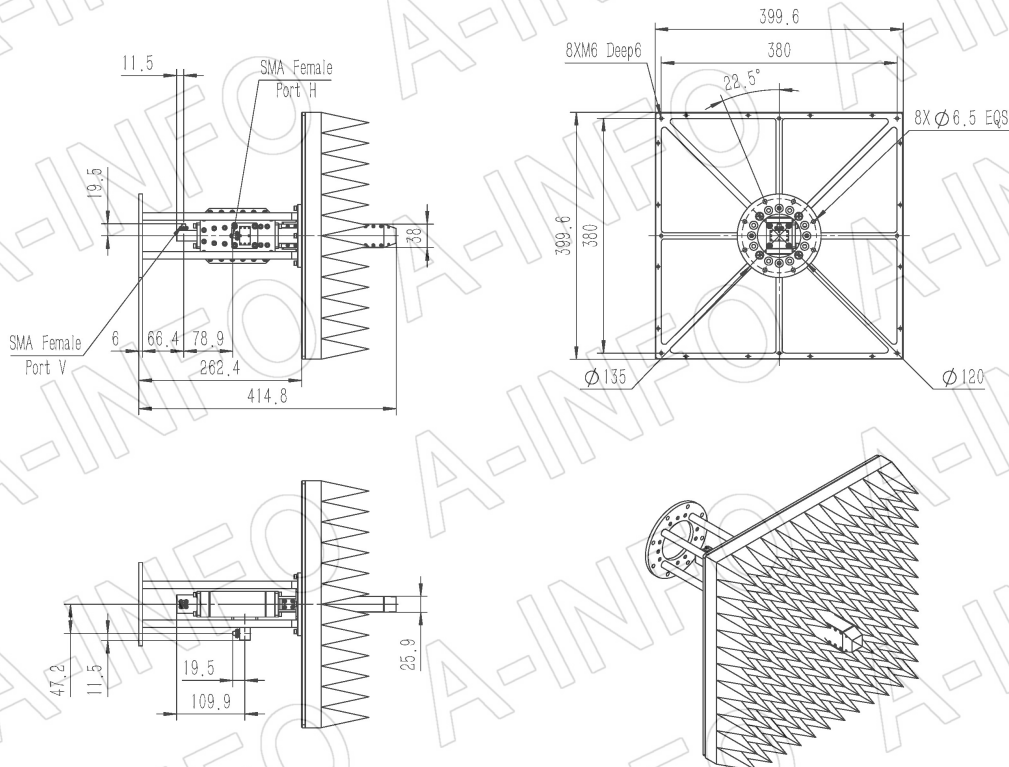
## SMA-Female Output, Equipped with Absorber (Option, P/N: 90EWGS-T02-A1)

For N-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.



## SMA-Female Output with Round Mounting Bracket & Equipped with Absorber (Option, P/N: EWG-MB40 & 90EWGS-T02-A1)

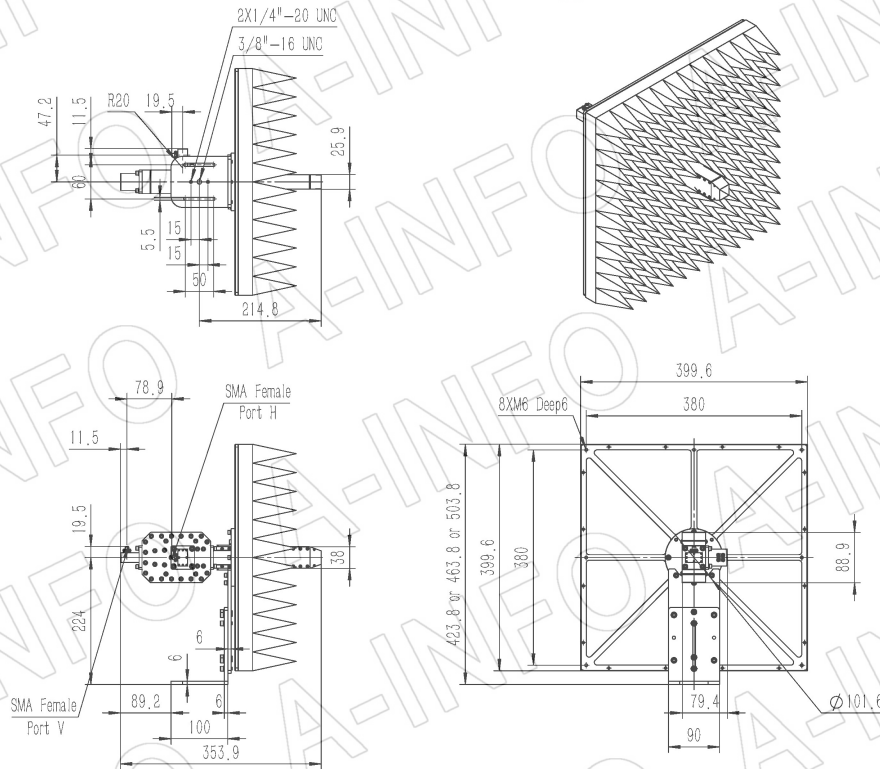
For N-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.





## SMA-Female Output with L Type Mounting Bracket & Equipped with Absorber (Option, P/N: EWG-L40 & 90EWGS-T02-A1)

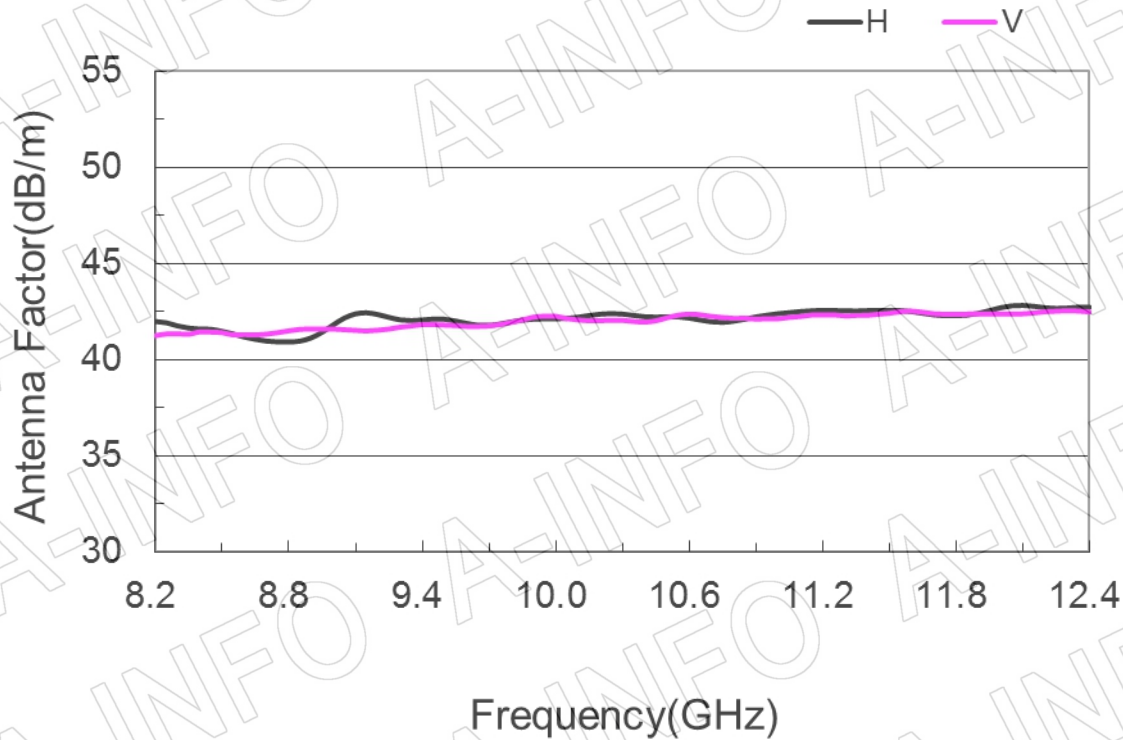
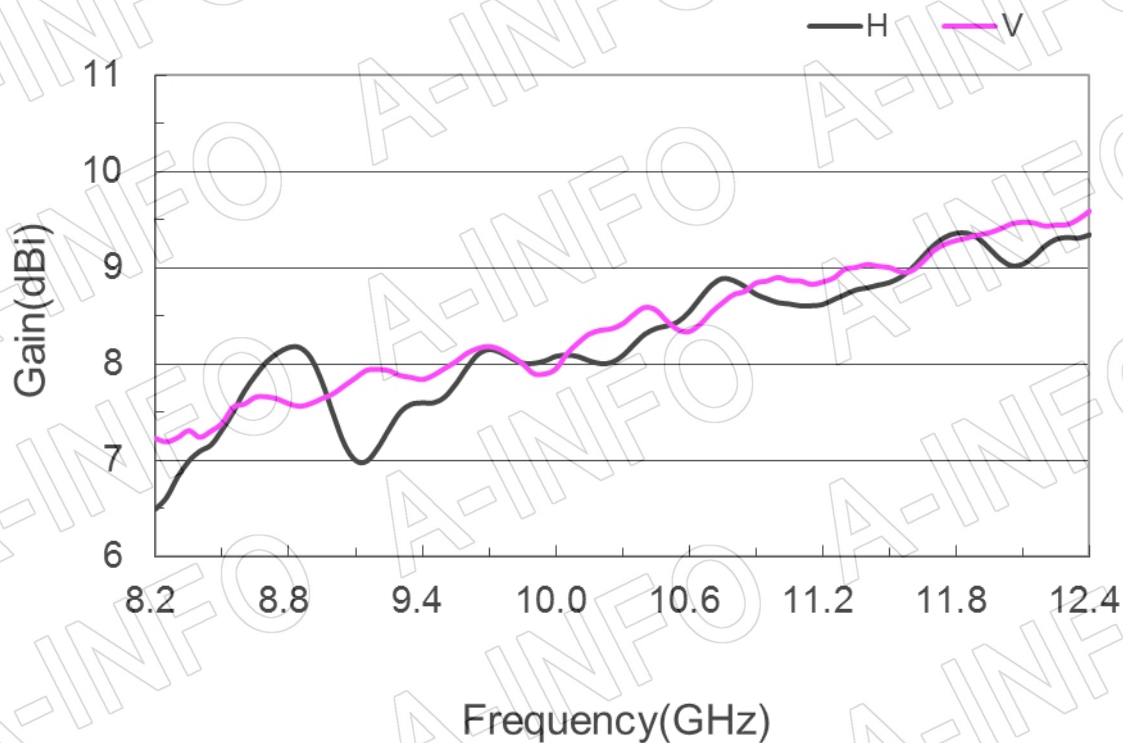
For N-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.



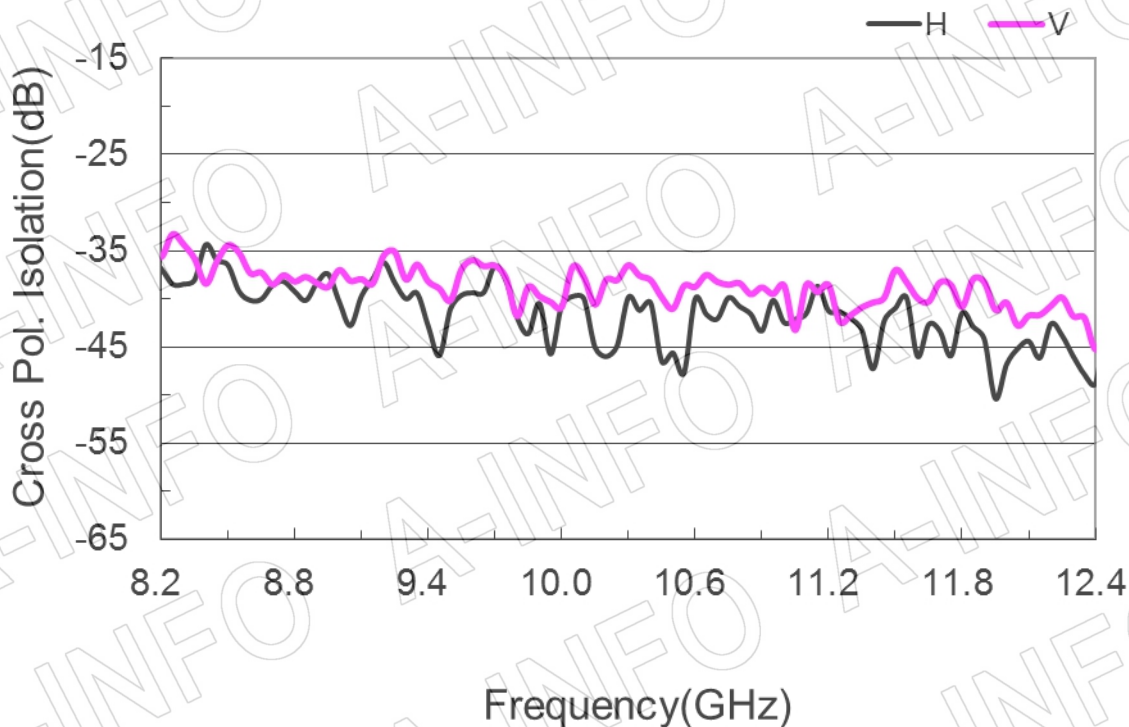


## Test Results

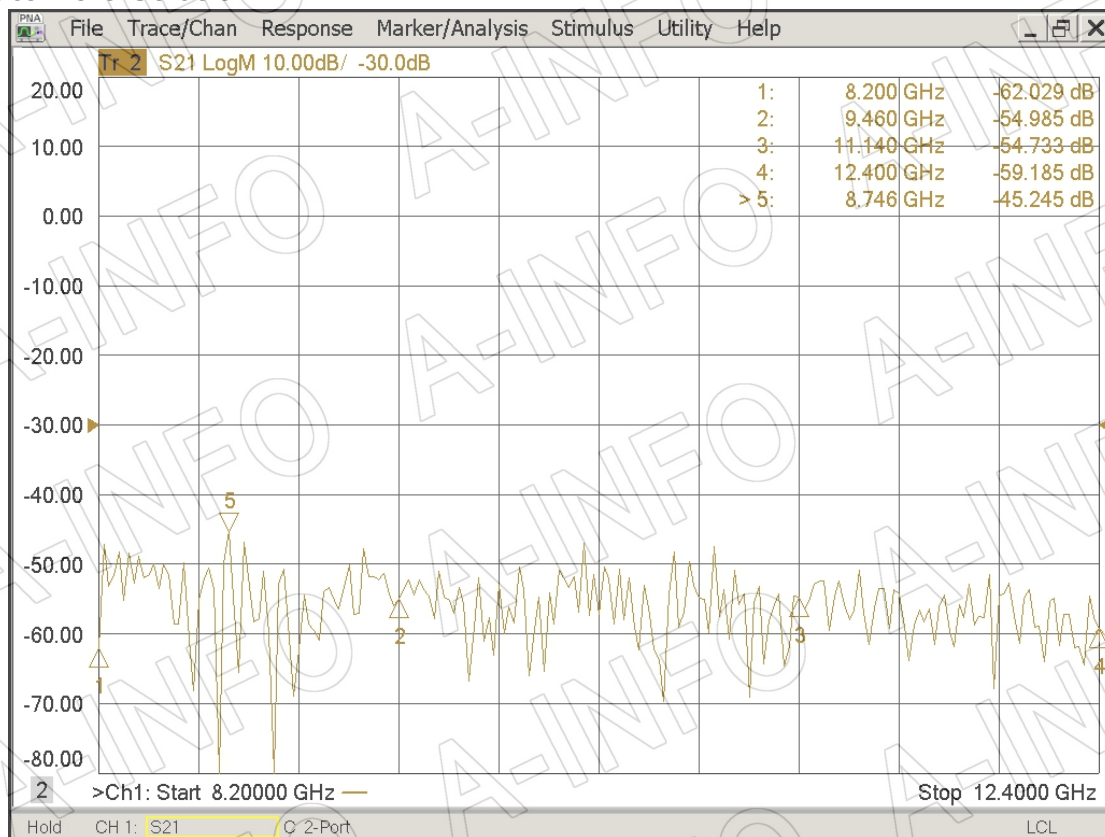
### 1. Gain & Antenna Factor



## 2. Cross Polarization Isolation

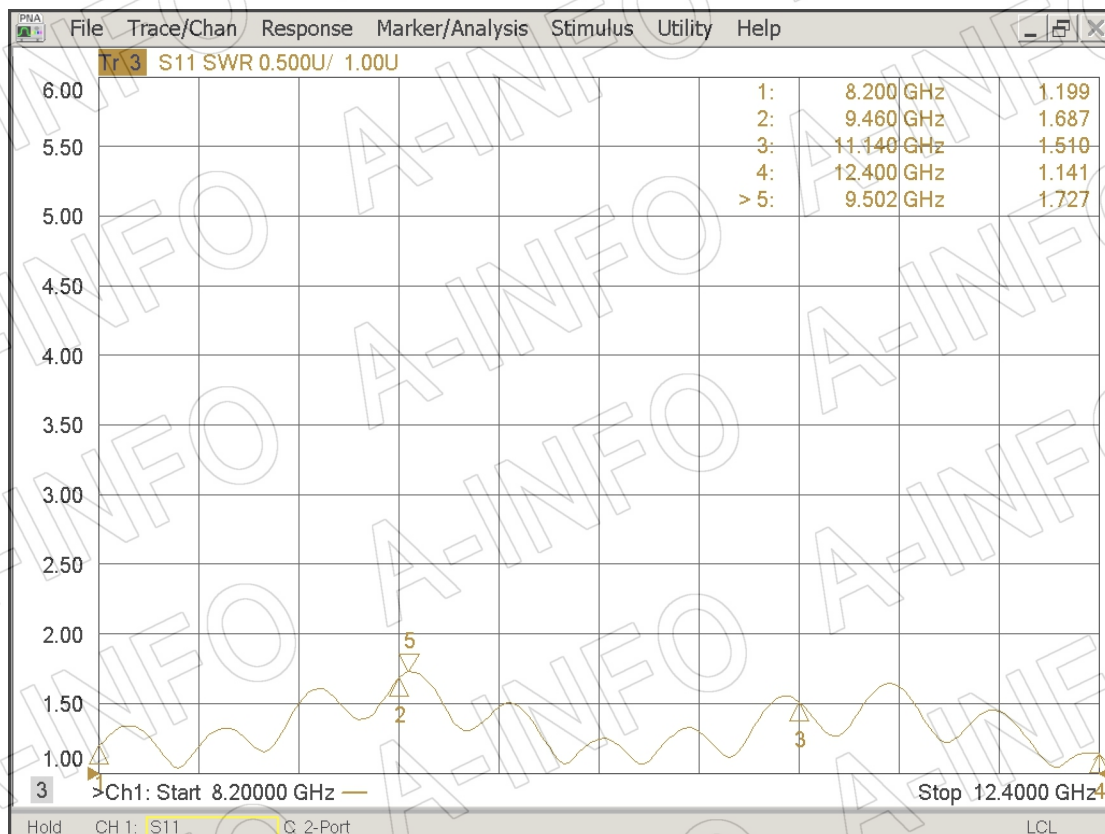


## 3. Port to Port Isolation

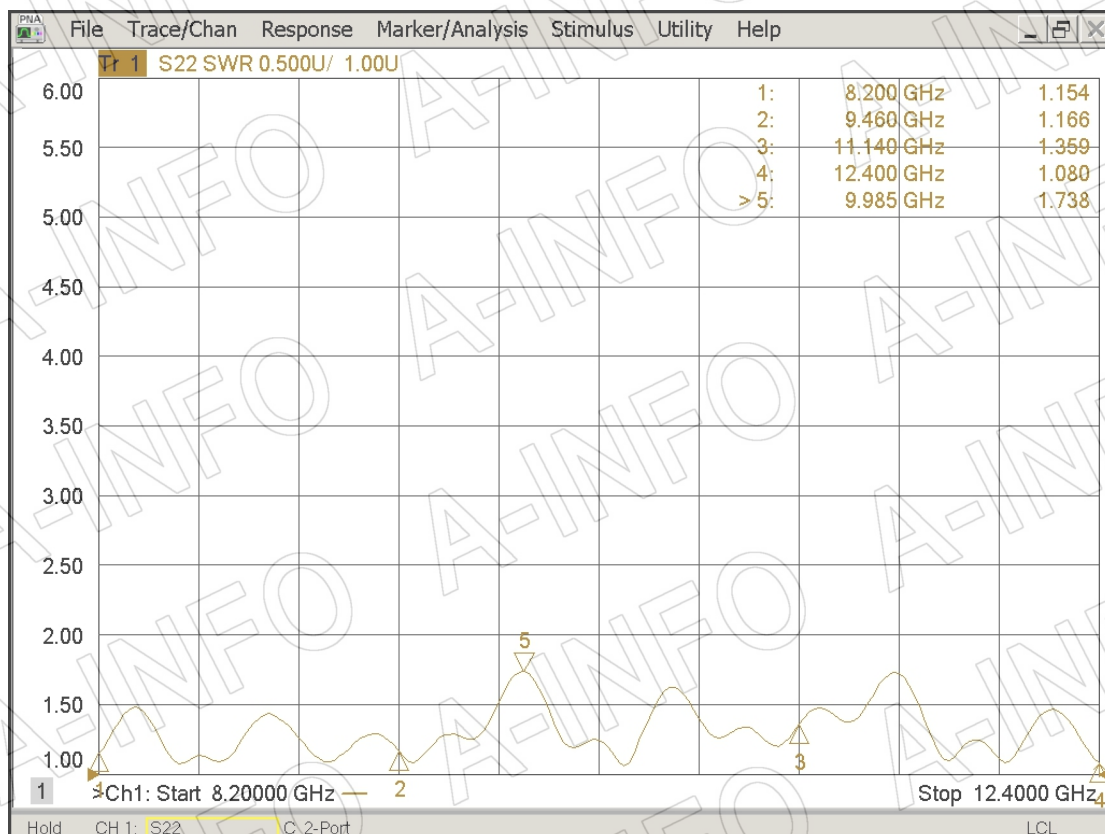


## 4. VSWR

### Port-H



### Port-V





## 5. Pattern

