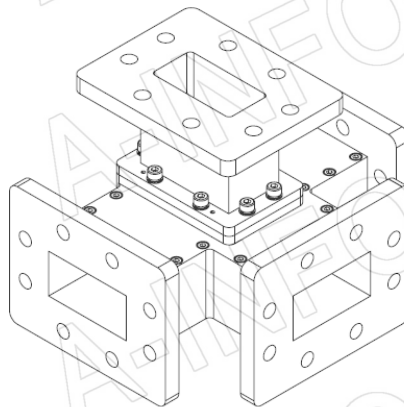
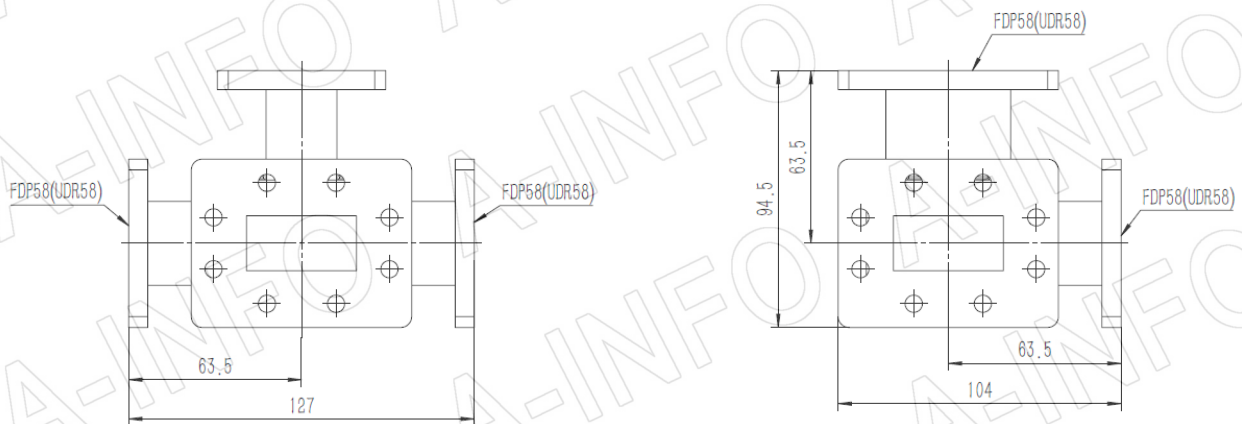


## Technical Specification



|                      |                                                        |
|----------------------|--------------------------------------------------------|
| EIA WR               | WR159                                                  |
| Frequency Range(GHz) | 4.90 – 7.05                                            |
| Band Width           | FULL                                                   |
| Isolation(dB)        | 30 Min.                                                |
| Unbalance(dB)        | ±0.4 Max.                                              |
| Insertion Loss(dB)   | 0.5 Max.<br>(Not including the theoretical loss 3.0dB) |
| VSWR H-Plane         | 1.3:1 Typ.                                             |
| VSWR E-Plane         | 1.5:1 Typ.                                             |
| Flange               | FDP58(UDR58)                                           |
| Material             | Al                                                     |
| Size(mm)             | 127 x 104 x 94.5                                       |
| Net Weight(Kg)       | 0.70 Around                                            |

## Outline Drawing (Size: mm)

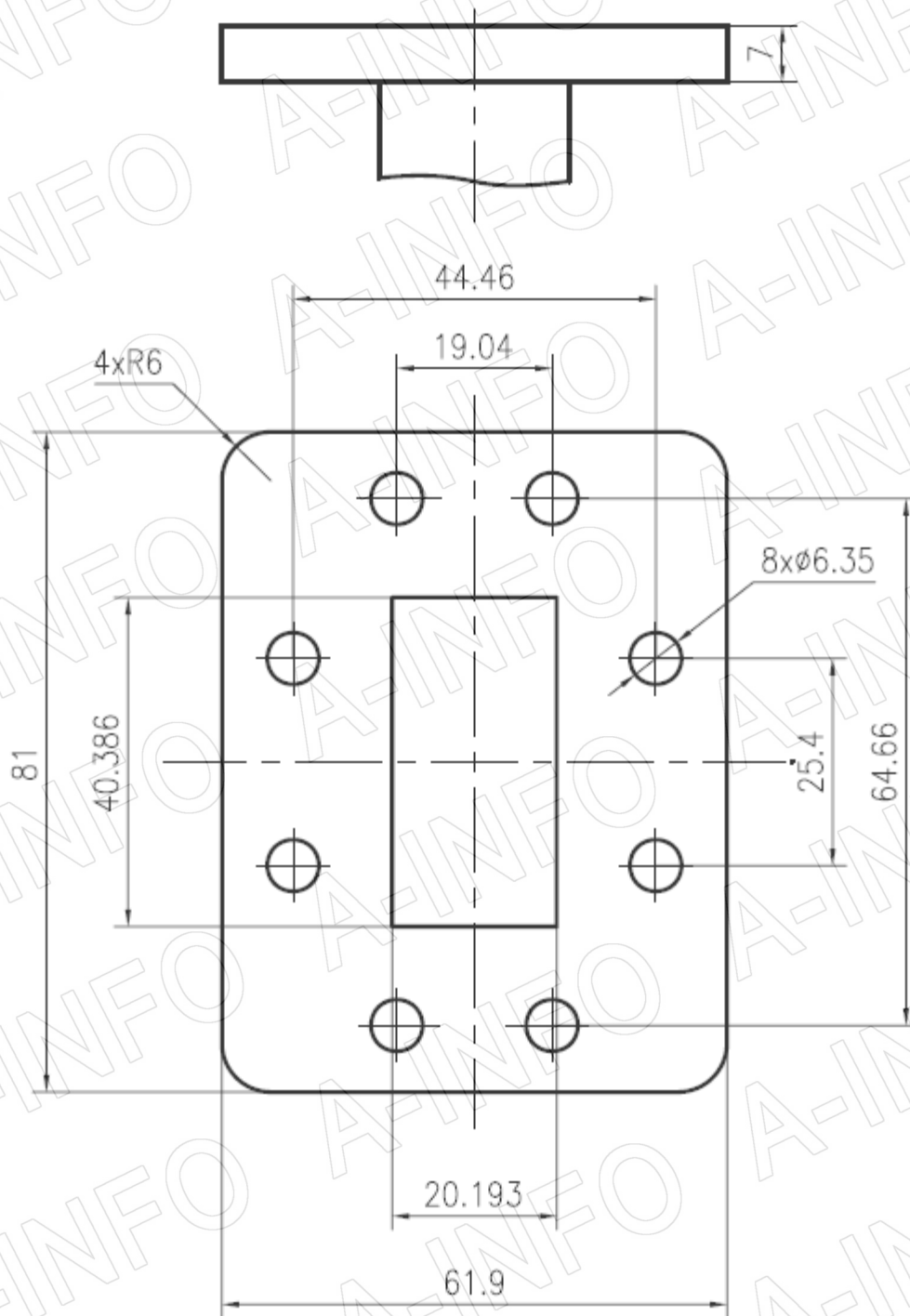


AINFO Inc.

Page 1 of 6

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) 949-639-9608Fax: (+86) 10-6266-7379  
Fax: (+86) 28-8519-3068  
Fax: (+1) 949-639-9670Website: [www.ainfoinc.com](http://www.ainfoinc.com)  
Email: [sales@ainfoinc.com](mailto:sales@ainfoinc.com)

## Flange Drawing (Size: mm)



**FDP58**

AINFO Inc.

Page 2 of 6

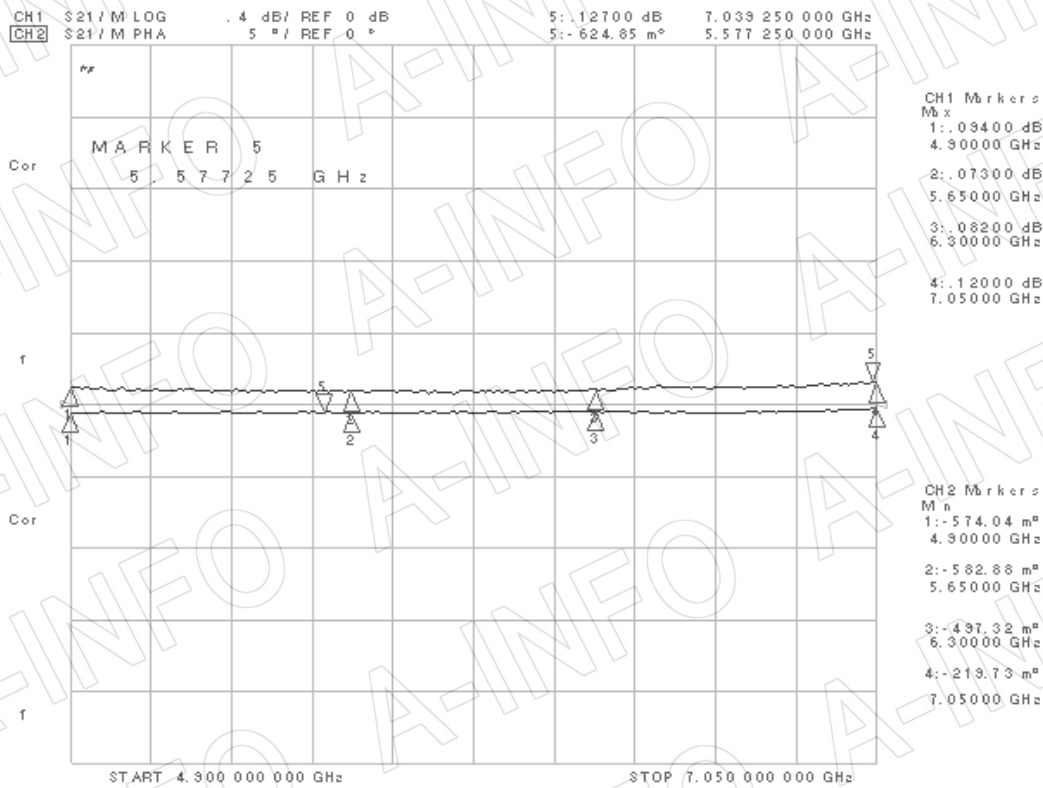
China(Beijing): Tel: (+86) 10-6266-7326,  
China(Chengdu): Tel: (+86) 28-8519-2786,  
USA : Tel: (+1) 949-639-9688,

(+86) 10-6266-7327 Fax: (+86) 10-6266-7379  
(+86) 28-8519-3044 Fax: (+86) 28-8519-3068  
(+1) 949-639-9608 Fax: (+1) 949-639-9670

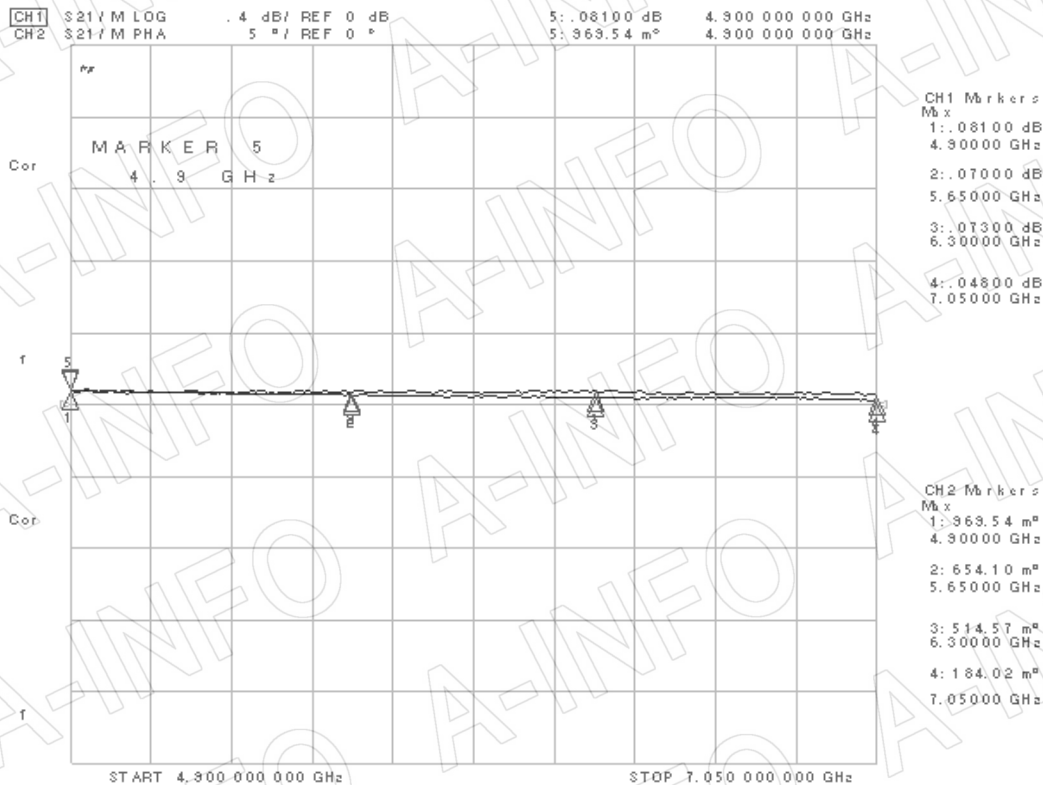
Website: [www.ainfoinc.com](http://www.ainfoinc.com)  
Email: [sales@ainfoinc.com](mailto:sales@ainfoinc.com)

## Test Results

### 1. Unbalance E-Plane



### H-Plane



AINFO Inc.

Page 3 of 6

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

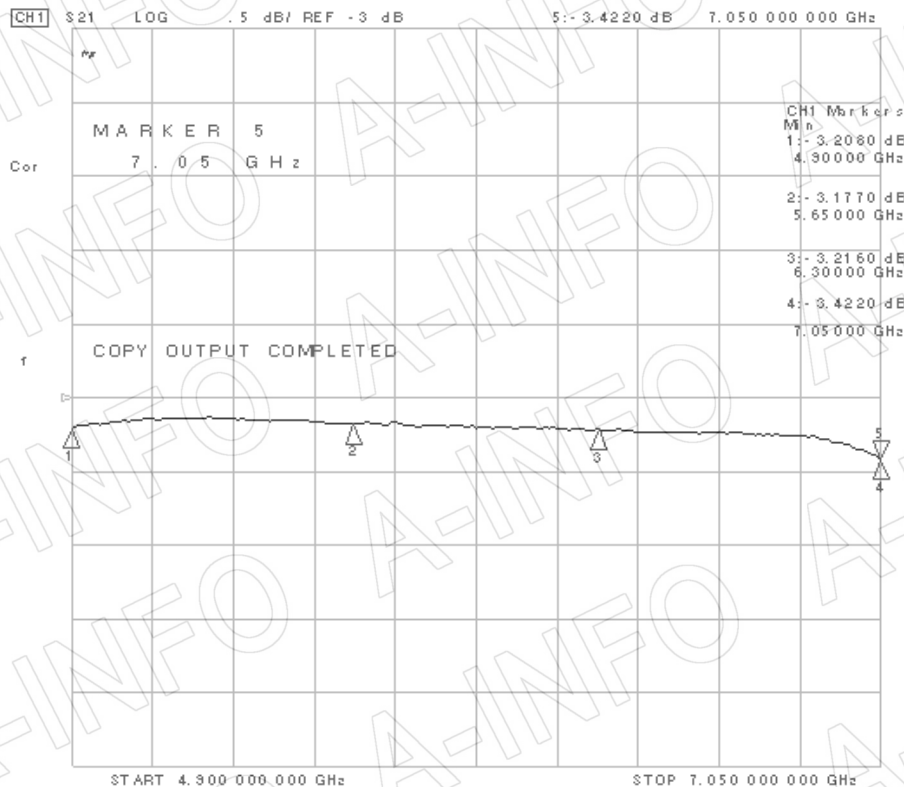
Tel: (+86) 10-6266-7326,  
Tel: (+86) 28-8519-2786,  
Tel: (+1) 949-639-9688,

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

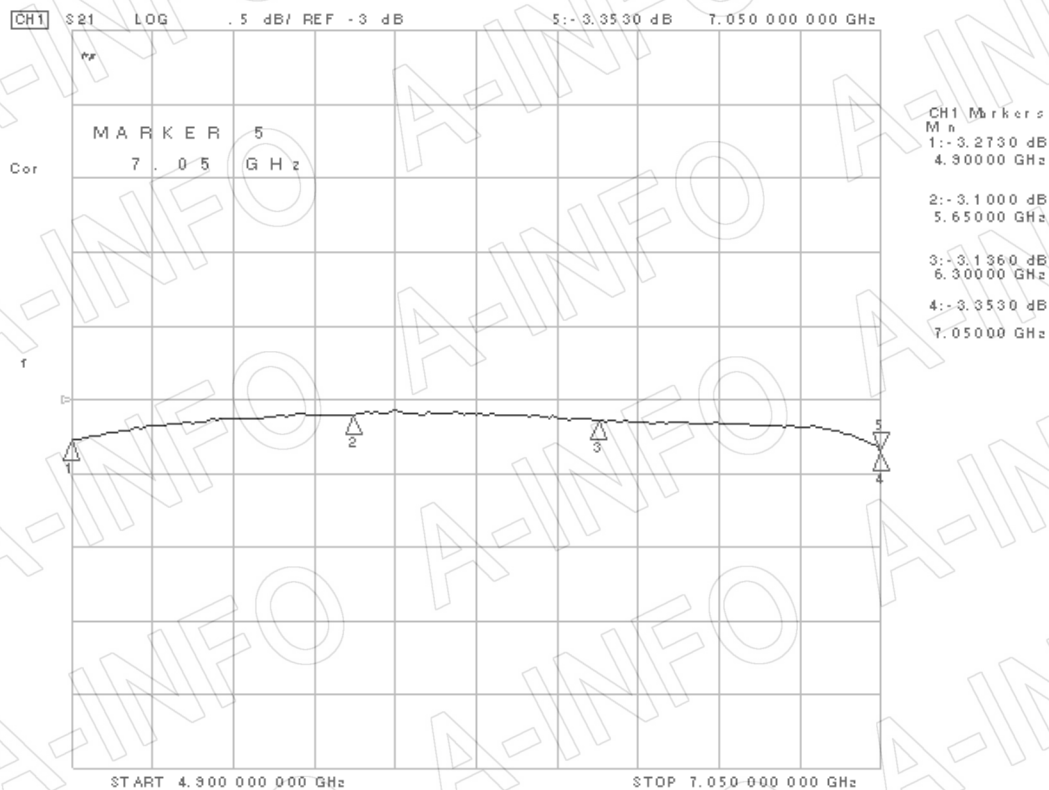
Fax: (+86) 10-6266-7379  
Fax: (+86) 28-8519-3068  
Fax: (+1) 949-639-9670

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

## 2. I.L. (Including the theoretical loss 3.0dB) E-Plane



## H-Plane



AINFO Inc.

Page 4 of 6

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

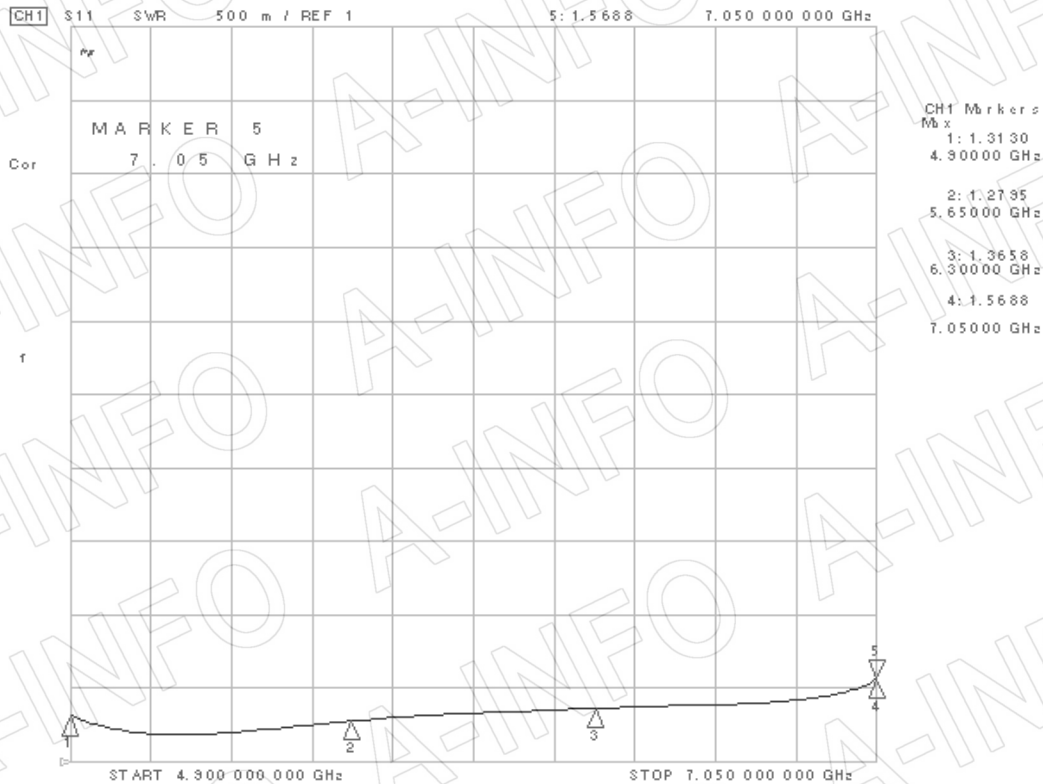
Tel: (+86) 10-6266-7326,  
Tel: (+86) 28-8519-2786,  
Tel: (+1) 949-639-9688,

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

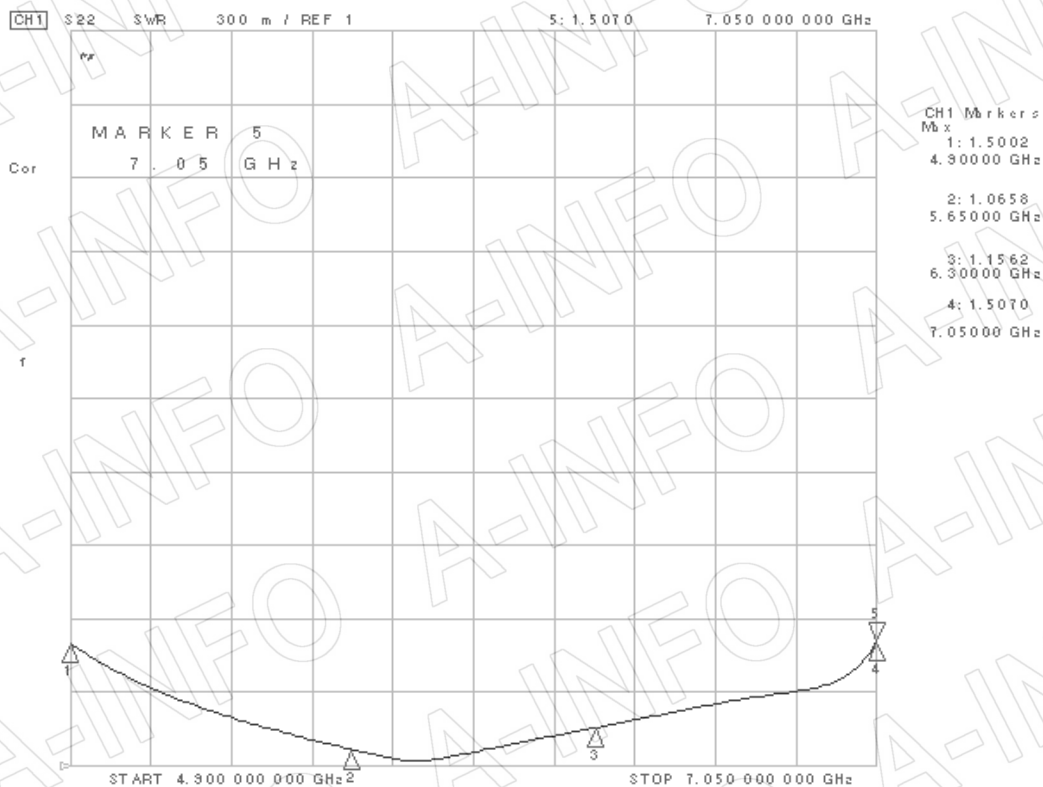
Fax: (+86) 10-6266-7379  
Fax: (+86) 28-8519-3068  
Fax: (+1) 949-639-9670

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

## 3. VSWR E-Plane



## H-Plane



AINFO Inc.

Page 5 of 6

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

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)

## 4. Isolation

