

## Technical Specification

| <i>P/N: DS-SJ-20300</i>    |                         |
|----------------------------|-------------------------|
| Frequency Range(GHz)       | 0.2 - 3.0               |
| Gain(dBi)                  | 7 Typ.                  |
| Polarization               | Dual Pol.               |
| 3dB Beamwidth(deg)         | E Plane: 70 - 45        |
|                            | H Plane: 120 - 70       |
| Cross Pol. Isolation(dB)   | 15 Typ. / 10 Min.       |
| Port to Port Isolation(dB) | 25 Typ. / 20 Min.       |
| VSWR                       | 2.0:1 Typ. / 3.0:1 Max. |
| Output                     | N-Female                |
| Average Power(W CW)        | 300 (150 @ 3.0GHz)      |
| Peak Power(KW)             | 3                       |
| Material                   | Al                      |
| Size(mm)                   | 856.6 x 856.6 x 1118.2  |
| Net Weight(Kg)             | 4.00 Around             |

| <i>P/N: DS-SJ-20300C</i>   |                         |
|----------------------------|-------------------------|
| Frequency Range(GHz)       | 0.2 - 3.0               |
| Gain(dBi)                  | 7 Typ.                  |
| Polarization               | Dual Pol.               |
| 3dB Beamwidth(deg)         | E Plane: 70 - 45        |
|                            | H Plane: 120 - 70       |
| Cross Pol. Isolation(dB)   | 15 Typ. / 10 Min.       |
| Port to Port Isolation(dB) | 25 Typ. / 20 Min.       |
| VSWR                       | 2.5:1 Typ. / 3.5:1 Max. |
| Output                     | N-Female                |
| Average Power(W CW)        | 300 (150 @ 3.0GHz)      |
| Peak Power(KW)             | 3                       |
| Material                   | Al                      |
| Size(mm)                   | 856.6 x 856.6 x 1110.7  |
| Net Weight(Kg)             | 4.60 Around             |

**PATENT ID (China)**
**ZL201630454715.4**
**AINFO Inc.**

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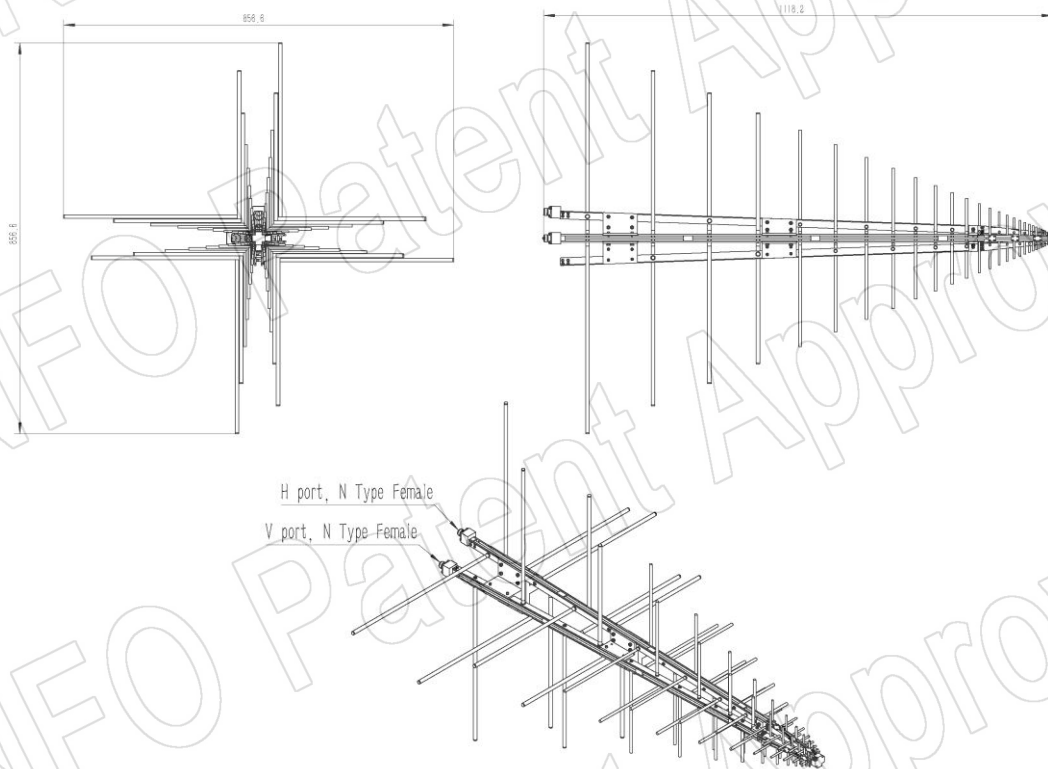
 China(Beijing): Tel: (+86) 10-6266-7326,  
 China(Chengdu): Tel: (+86) 28-8519-2786,  
 USA : Tel: (+1) 949-639-9688,

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

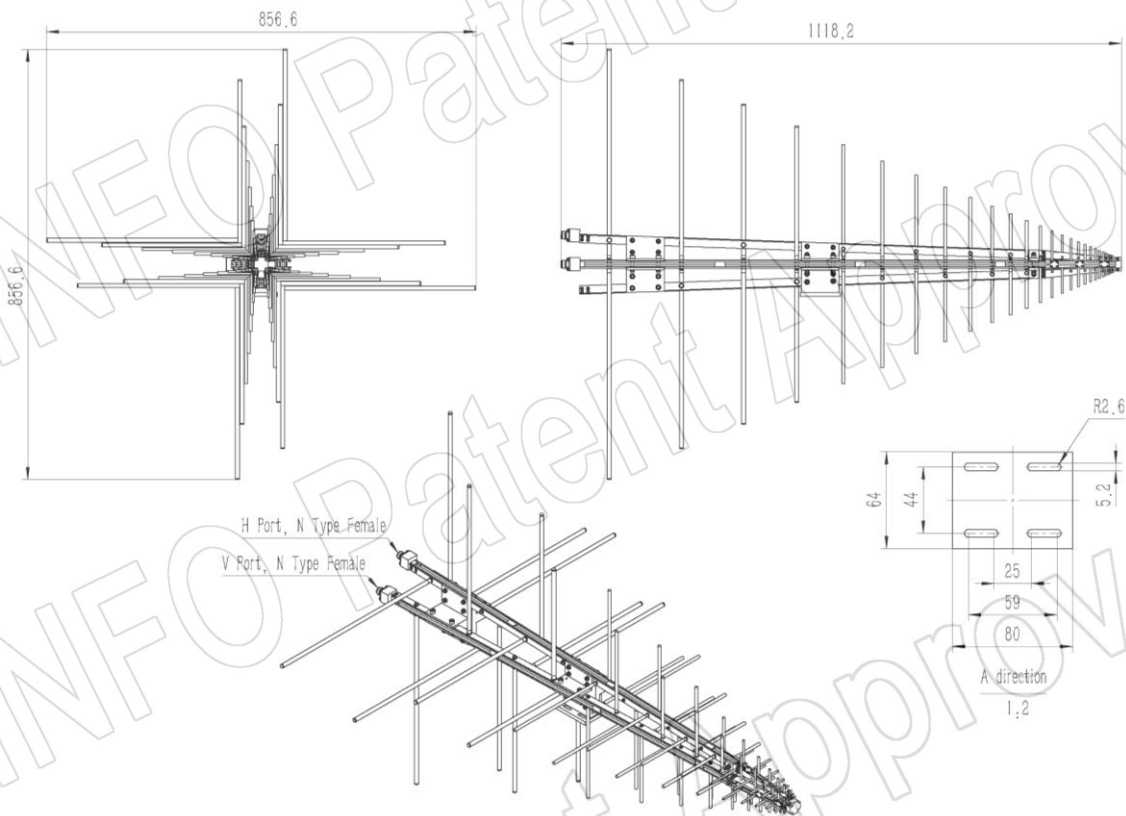
 Website: [www.ainfoinc.com](http://www.ainfoinc.com)  
 Email: [sales@ainfoinc.com](mailto:sales@ainfoinc.com)

## Outline Drawing (Size: mm)

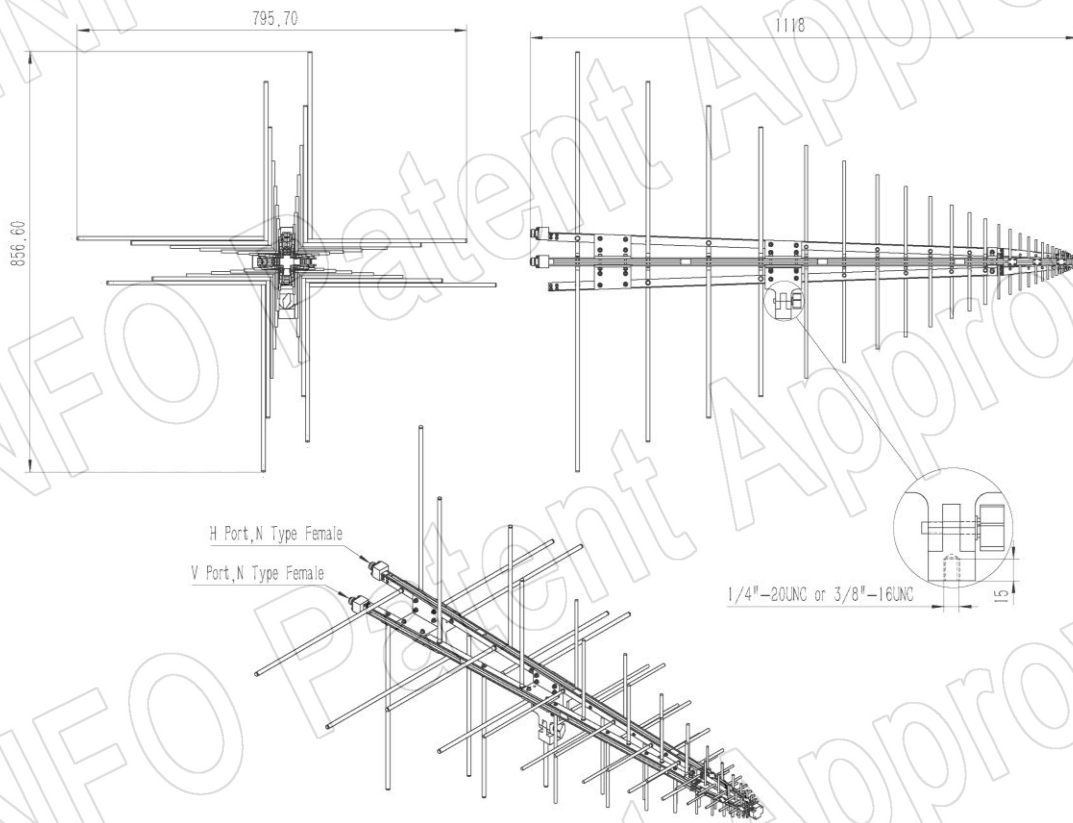
DS-SJ-20300 (P/N: DS-SJ-20300)



## DS-SJ-20300 with Mounting Bracket (Option, P/N: DS-SJ-20200-MB)

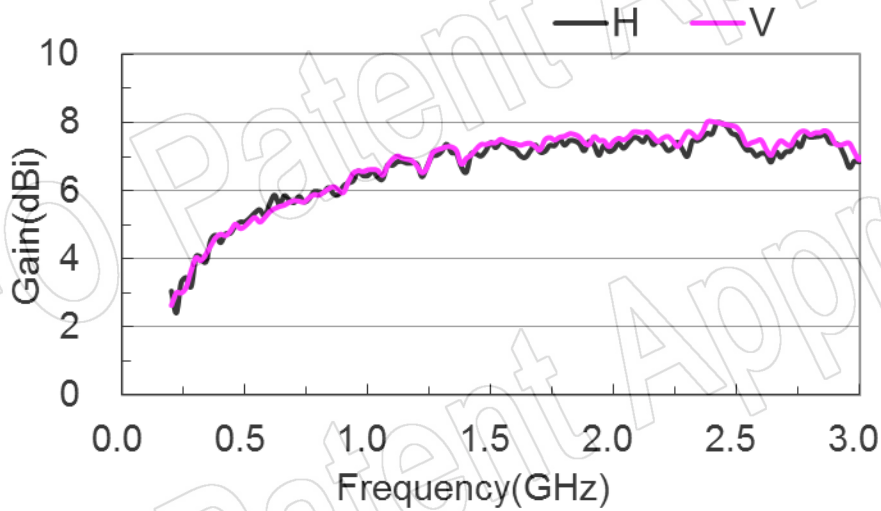


## DS-SJ-20300 with Mounting Bracket for Tripod Application (Option, P/N: DS-SJ-20200-MBA)

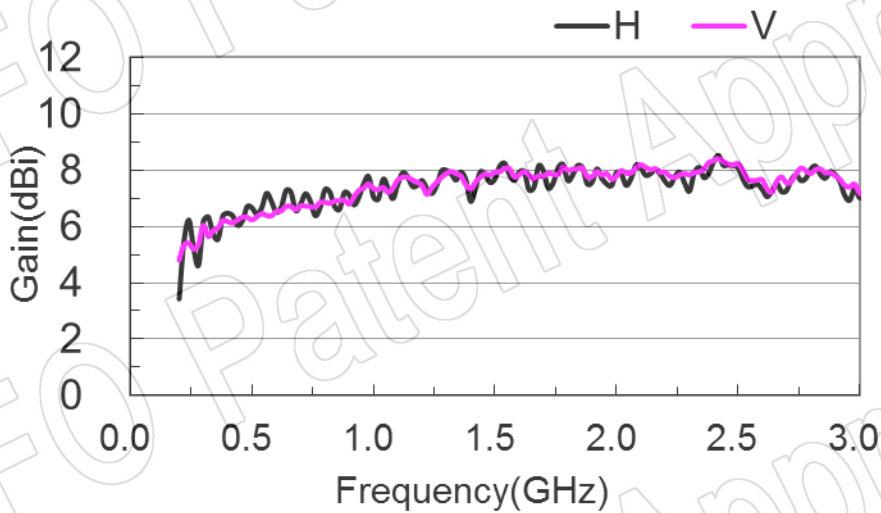


## Test Results

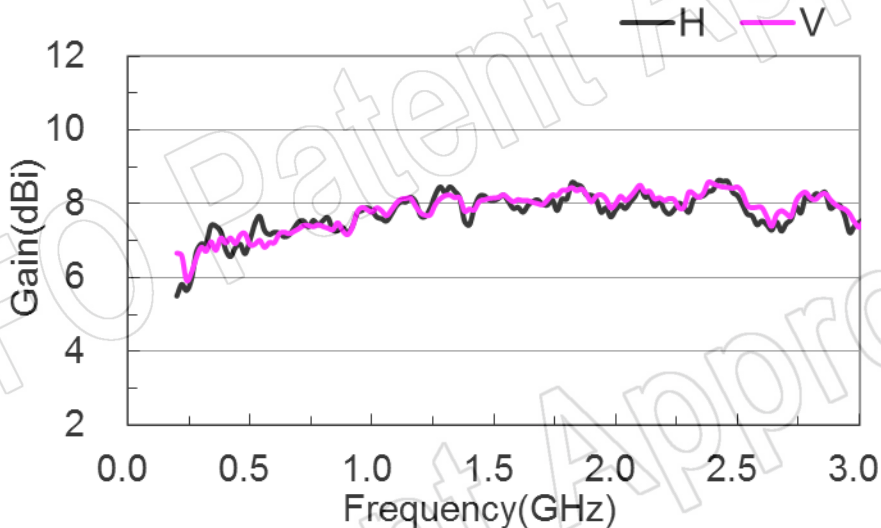
### 1. Gain at 1m



at 3m

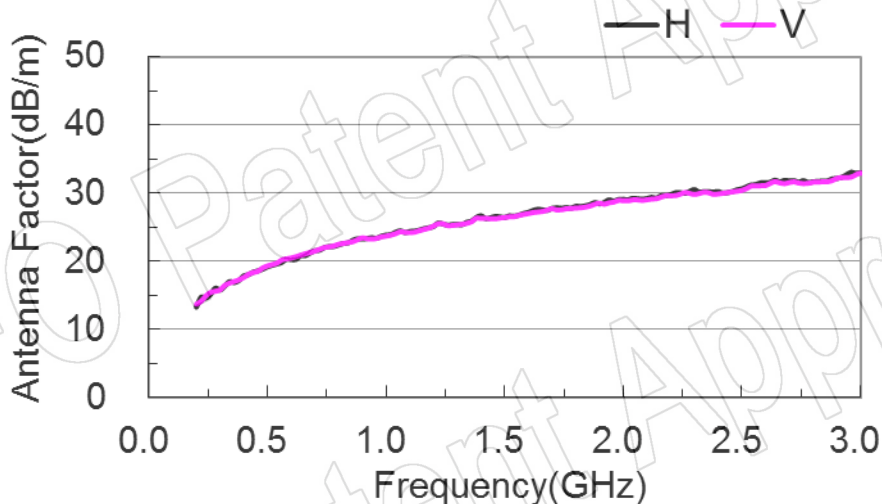


at 10m

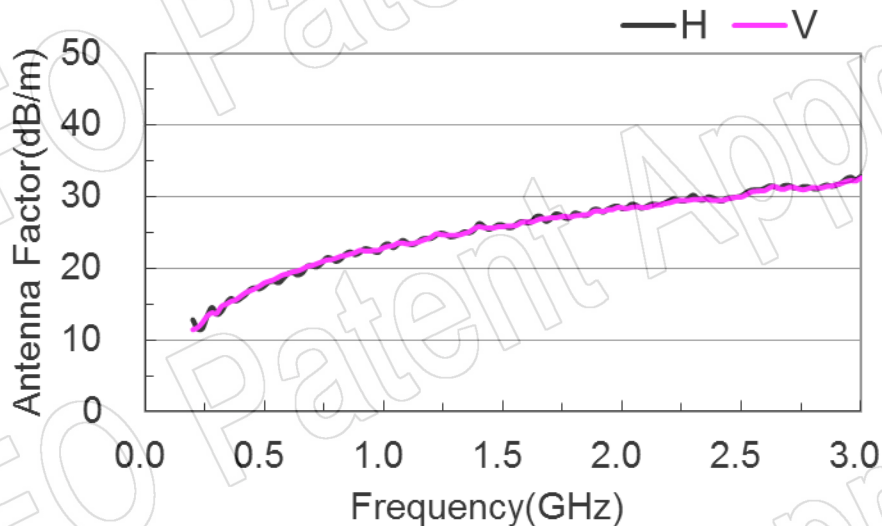




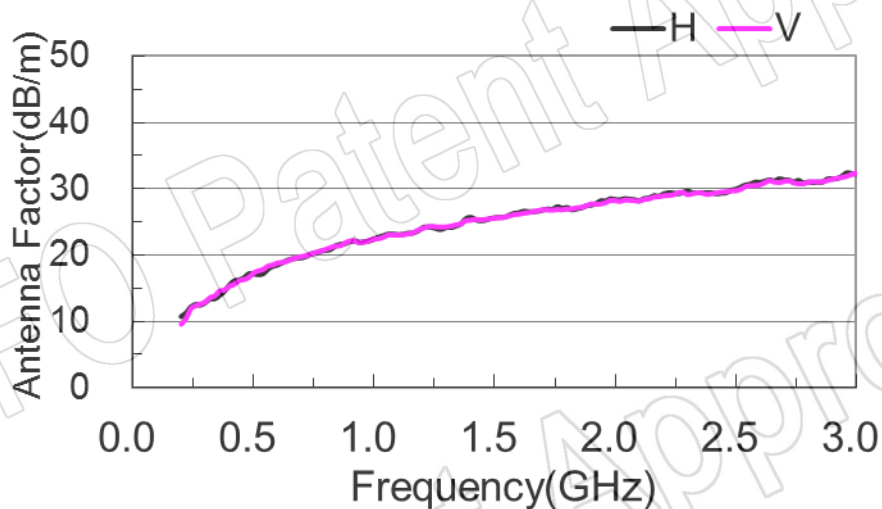
## 2. Antenna Factor at 1m



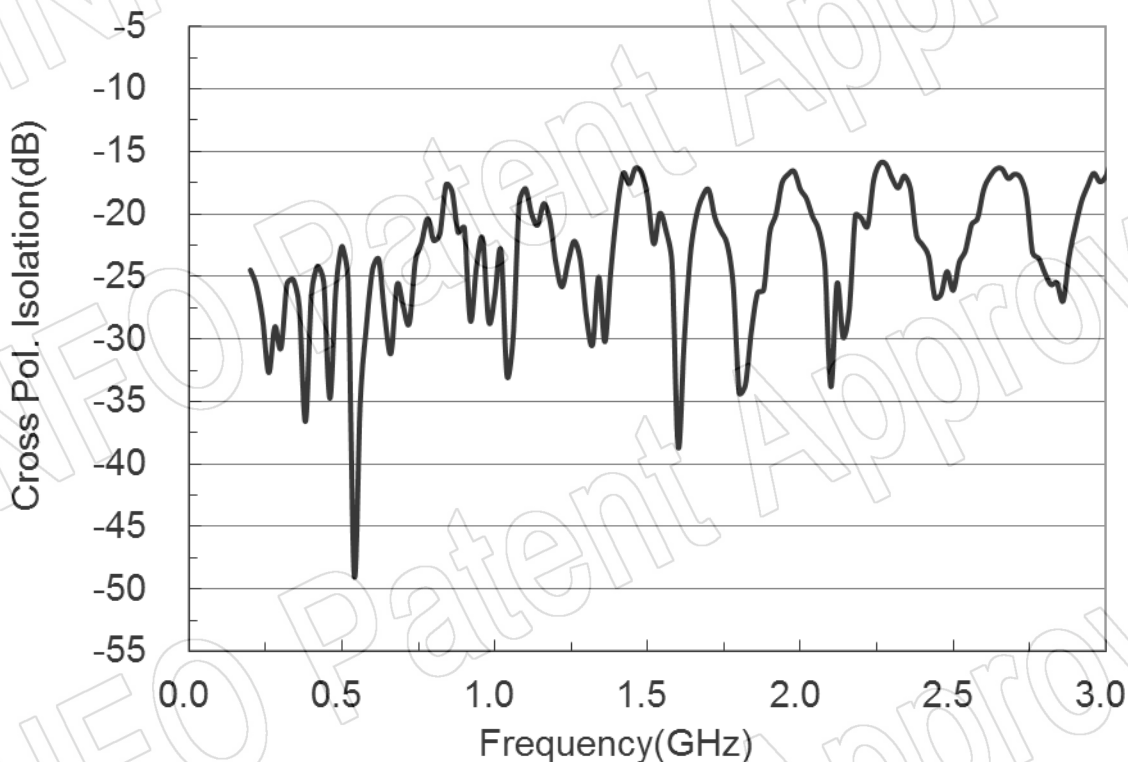
at 3m



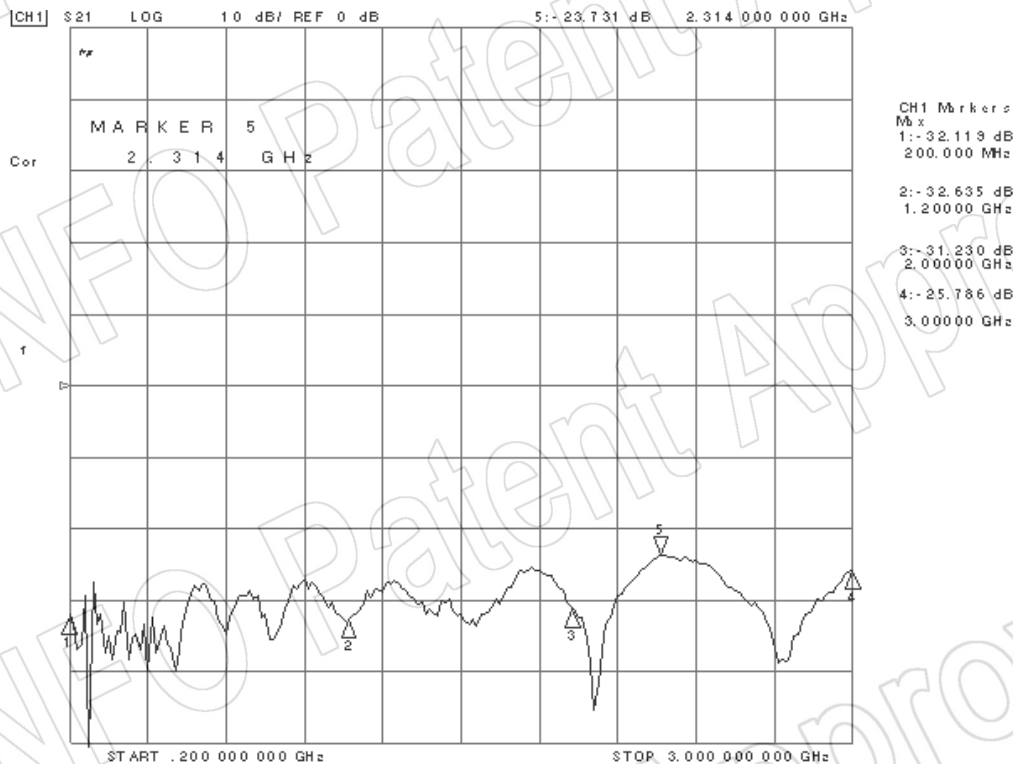
at 10m



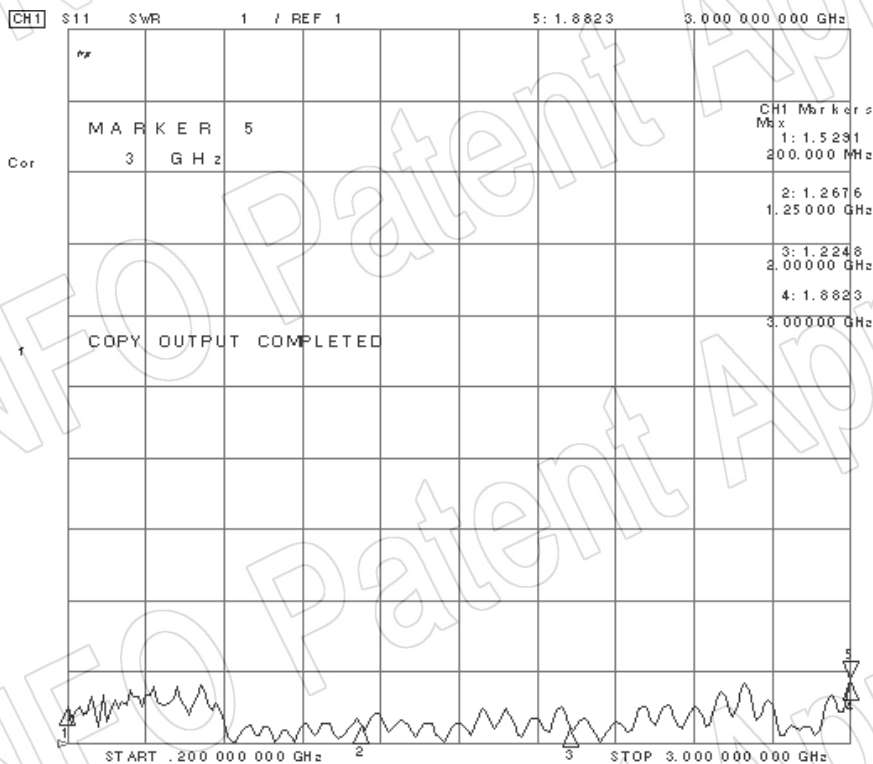
### 3. Cross Polarization Isolation



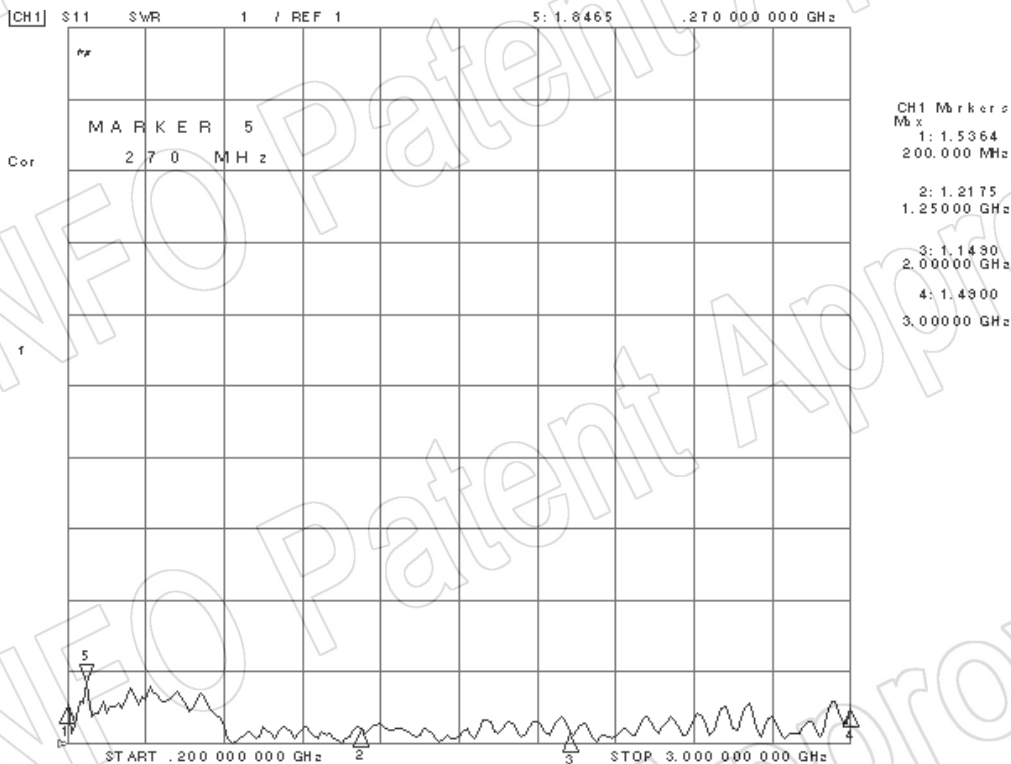
### 4. Port to Port Isolation



## 5. VSWR Port-H



## Port-V



## 6. Pattern

