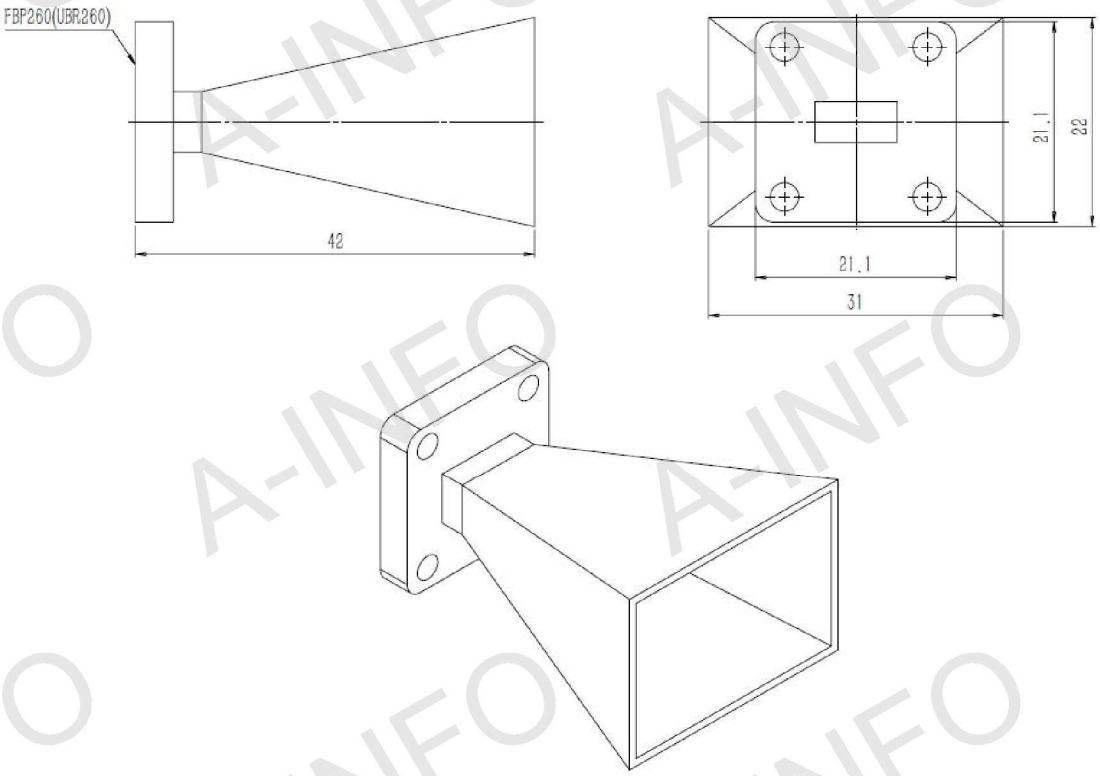
## Technical Specification

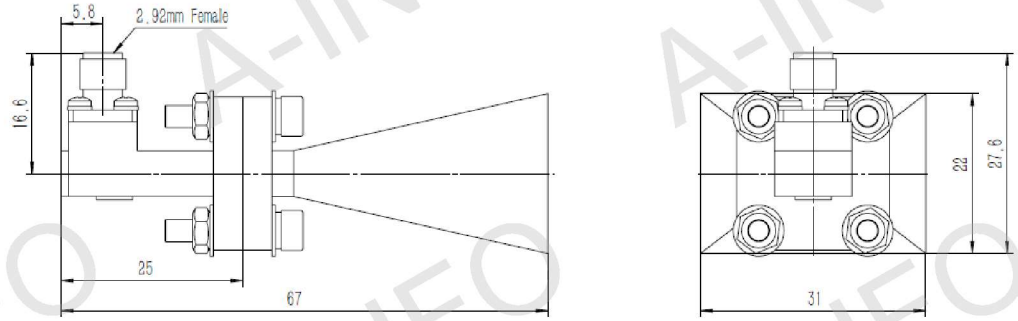
| | |
|---|---|
| Frequency Range(GHz) | 22.0 - 33.0 |
| Gain(dB) | 15 Typ. |
| 3dB Beamwidth(deg) | 30 Typ. |
| Waveguide | WR34 |
| Material | Cu |
| Output | A Type: FBP260(UBR260)<br>C Type: 2.92mm-F |
| Size(mm) W x H x L | A Type: 31x22x42<br>C Type: 31x22x67 |
| Net Weight(Kg) | A Type: 0.05 Around<br>C Type: 0.10 Around |

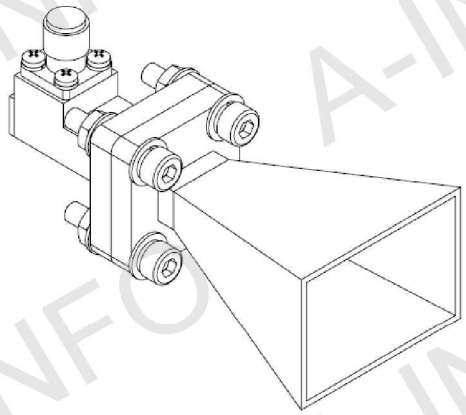
## Outline Drawing (Size: mm)

A Type(With FBP260 Output)

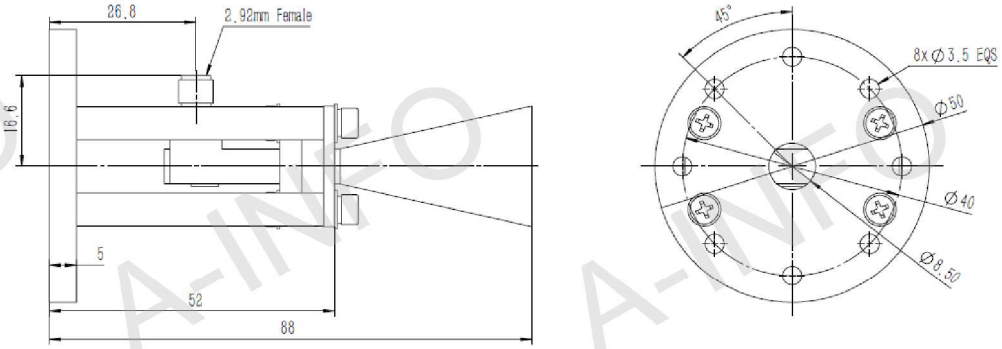


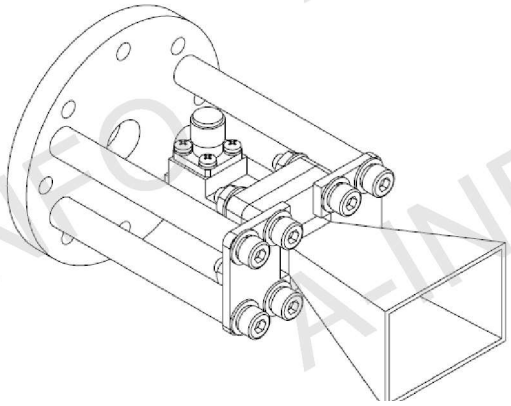
C Type (With 2.92mm-Female Output)



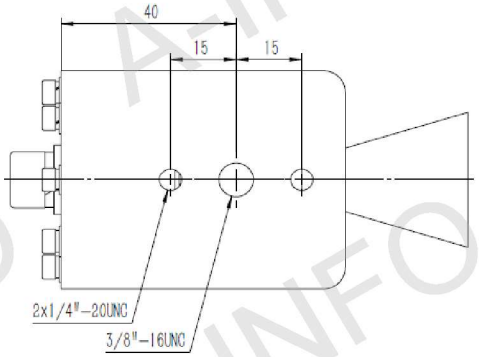



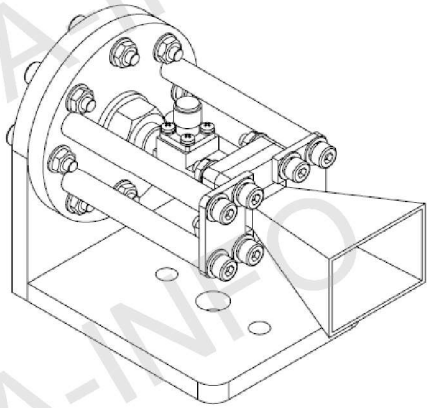
C Type (With 2.92mm-Female Output & Round Mounting Bracket)

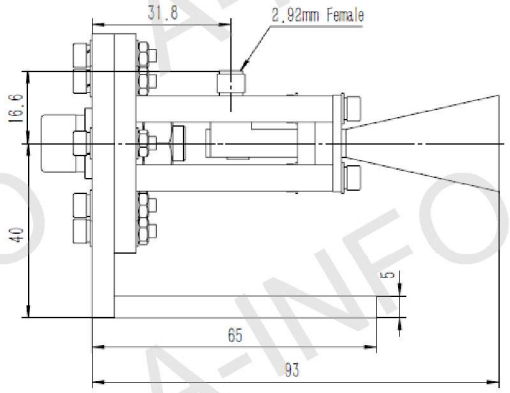


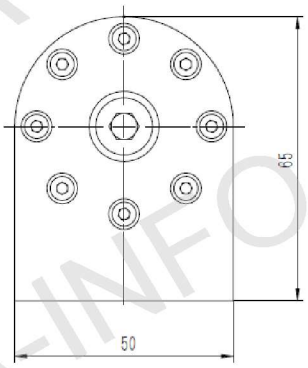



C Type (With 2.92mm-Female Output & L Type Mounting Bracket)

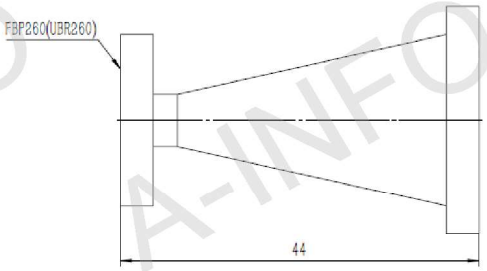


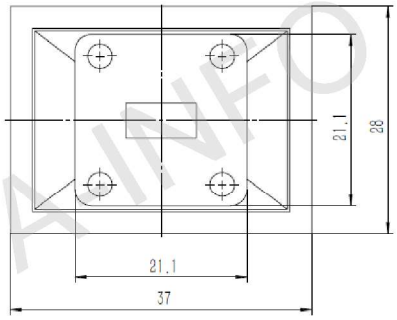



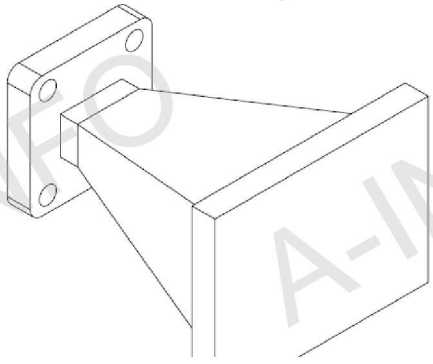


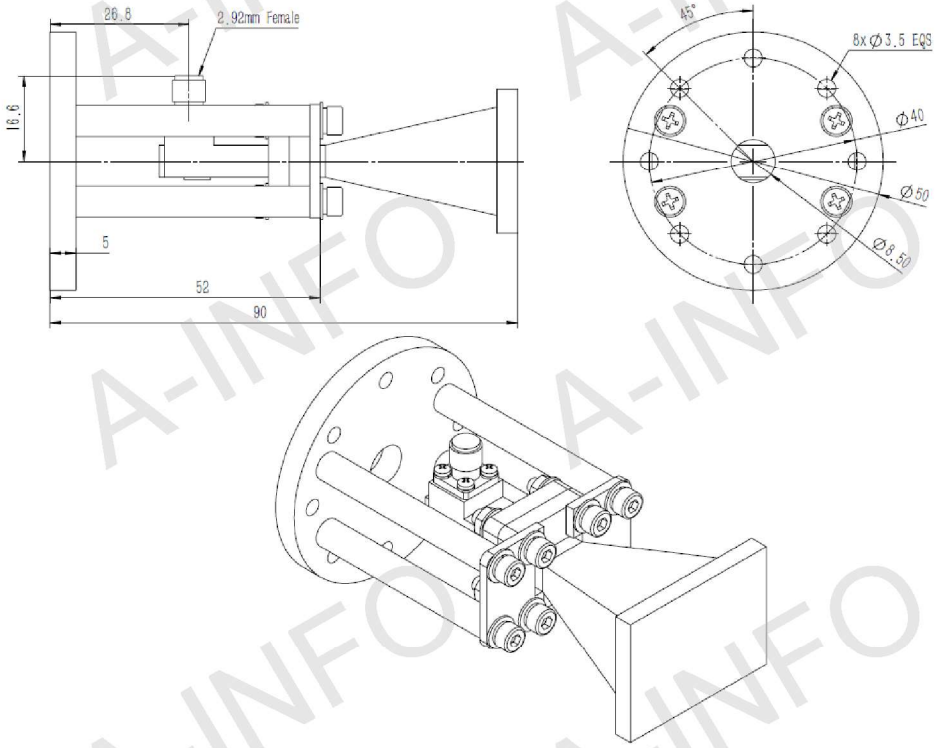

A Type (With Radome)



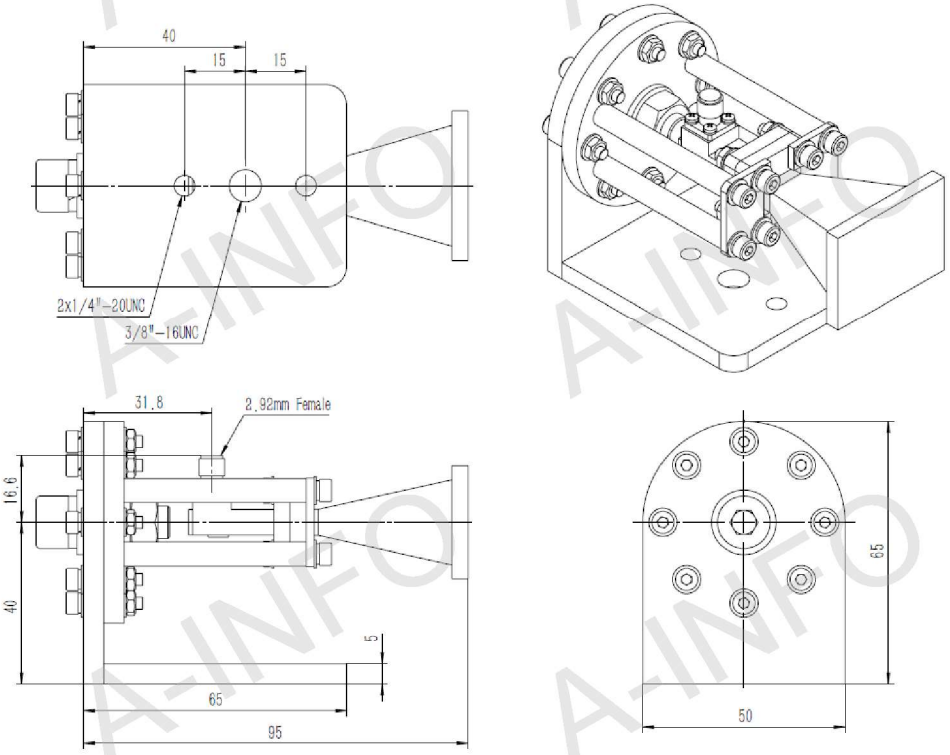



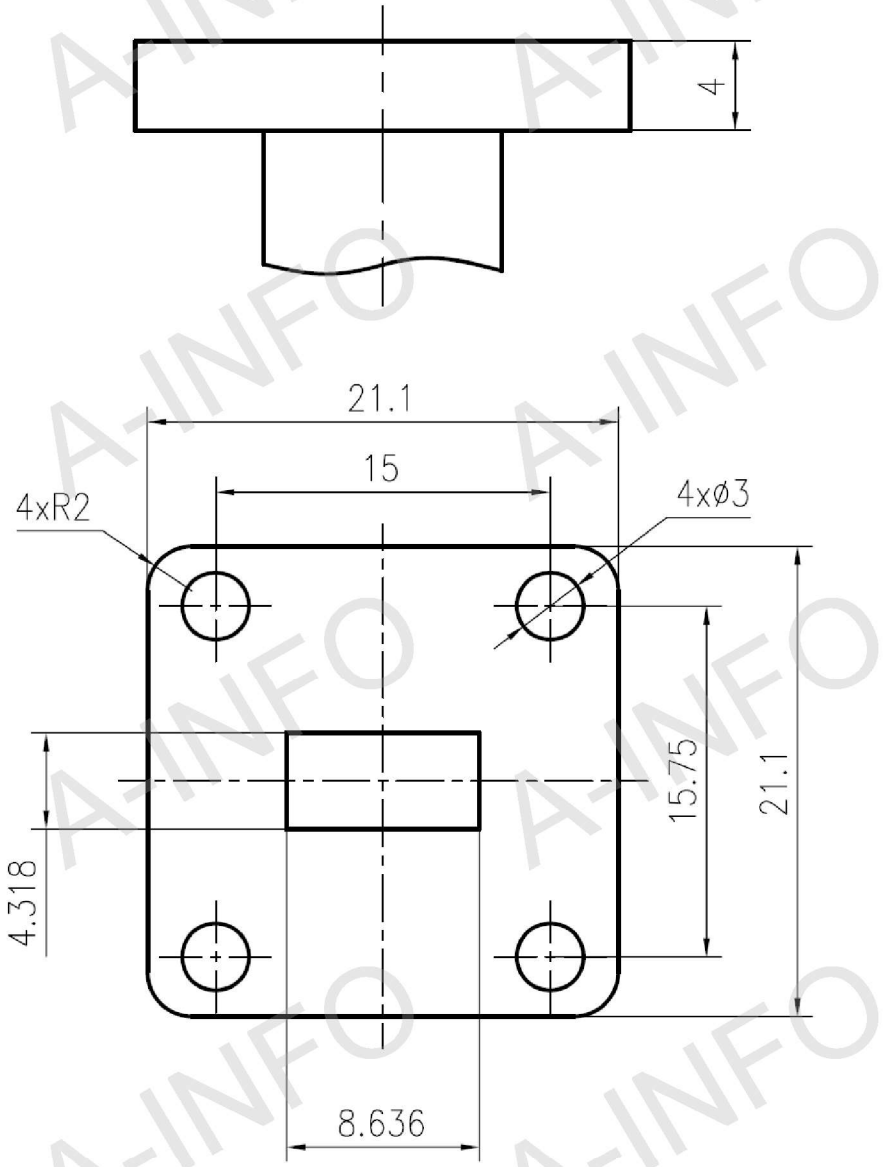
C Type (With 2.92mm-Female Output & Round Mounting Bracket & Radome)




C Type (With 2.92mm-Female Output & L Type Mounting Bracket & Radome)



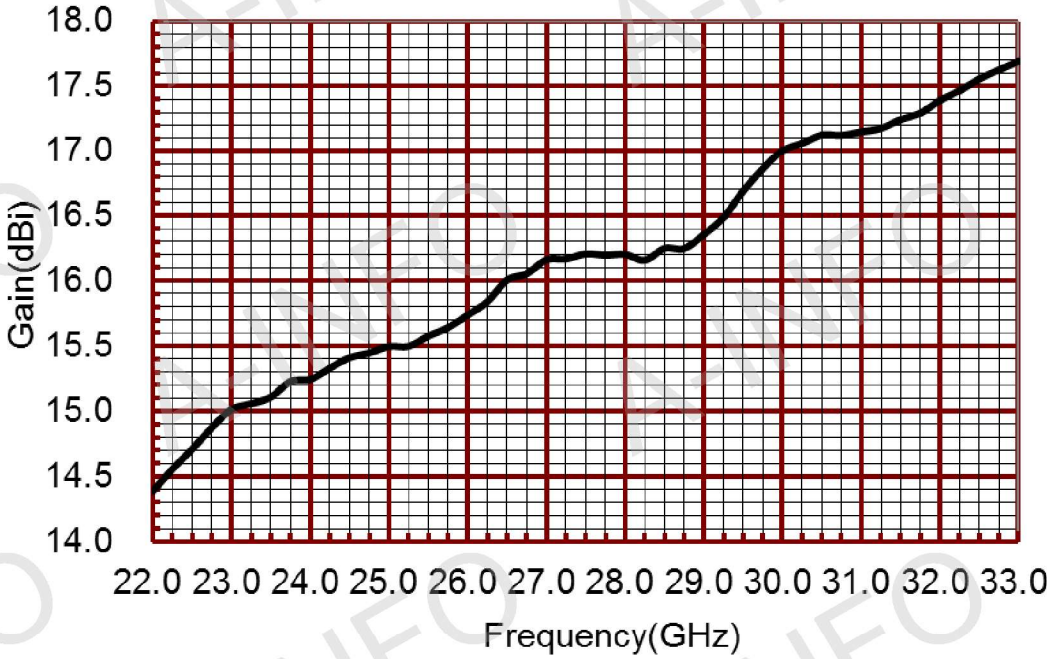
## Flange Drawing (Size: mm)

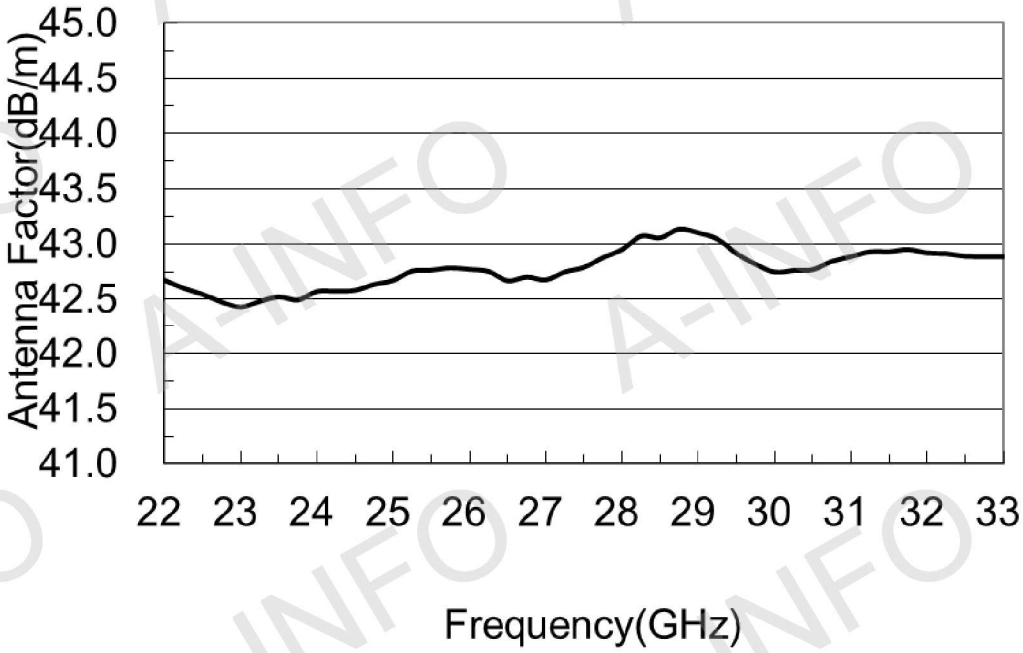



FBP260

## Test Results

### 1. Gain and Antenna Factor

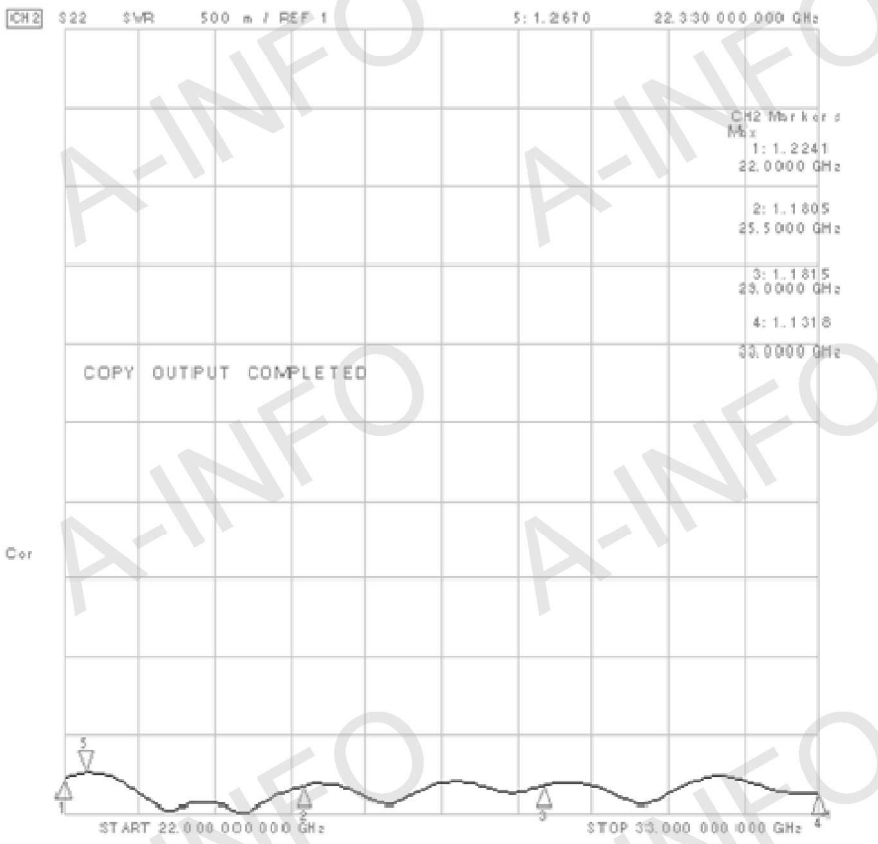


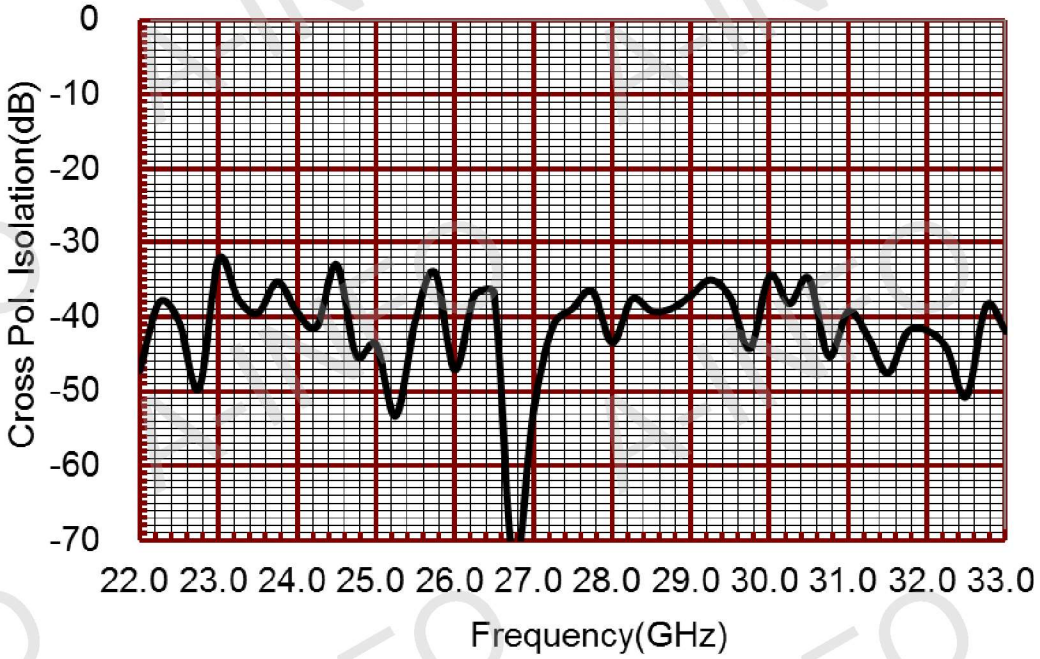
| Frequency (GHz) | Gain (dB) | Antenna Factor (dB/m) |
|---|---|---|
| 22.00 | 14.38 | 42.67 |
| 22.50 | 14.71 | 42.55 |
| 23.00 | 15.01 | 42.43 |
| 23.50 | 15.11 | 42.52 |
| 24.00 | 15.24 | 42.57 |
| 24.50 | 15.41 | 42.58 |
| 25.00 | 15.50 | 42.67 |
| 25.50 | 15.58 | 42.76 |
| 26.00 | 15.74 | 42.77 |
| 26.50 | 16.01 | 42.67 |
| 27.00 | 16.16 | 42.68 |
| 27.50 | 16.21 | 42.79 |

| Frequency (GHz) | Gain (dB) | Antenna Factor (dB/m) |
|---|---|---|
| 28.00 | 16.20 | 42.95 |
| 28.50 | 16.25 | 43.06 |
| 29.00 | 16.36 | 43.10 |
| 29.50 | 16.69 | 42.91 |
| 30.00 | 17.01 | 42.75 |
| 30.50 | 17.13 | 42.77 |
| 31.00 | 17.15 | 42.89 |
| 31.50 | 17.25 | 42.93 |
| 32.00 | 17.39 | 42.92 |
| 32.50 | 17.56 | 42.89 |
| 33.00 | 17.69 | 42.88 |

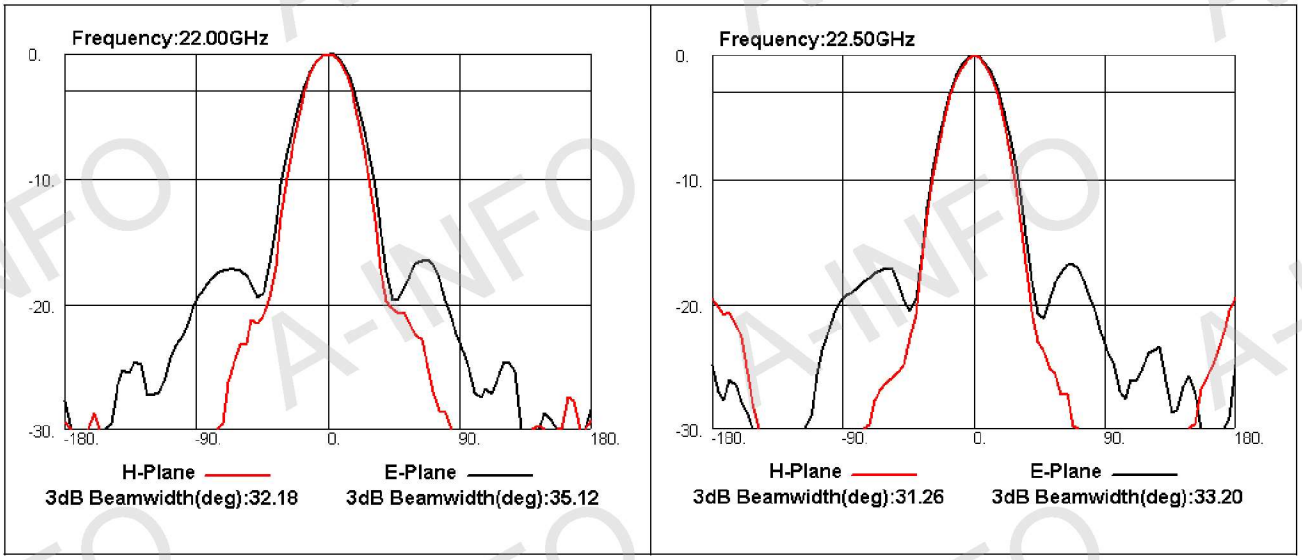
## 2. VSWR



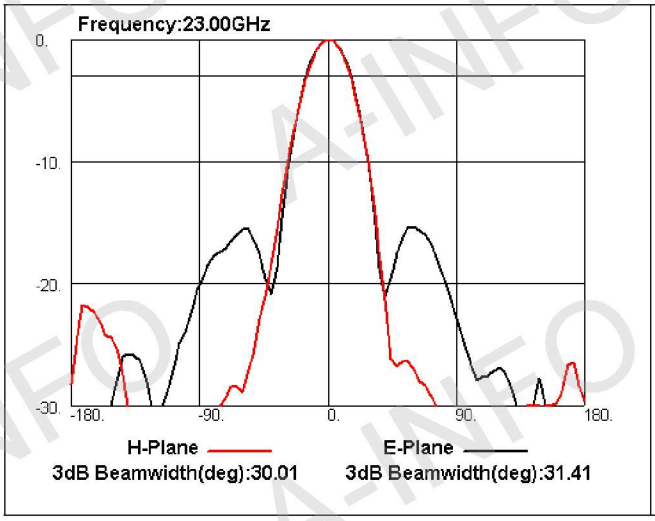
### 3. Cross Polarization Isolation



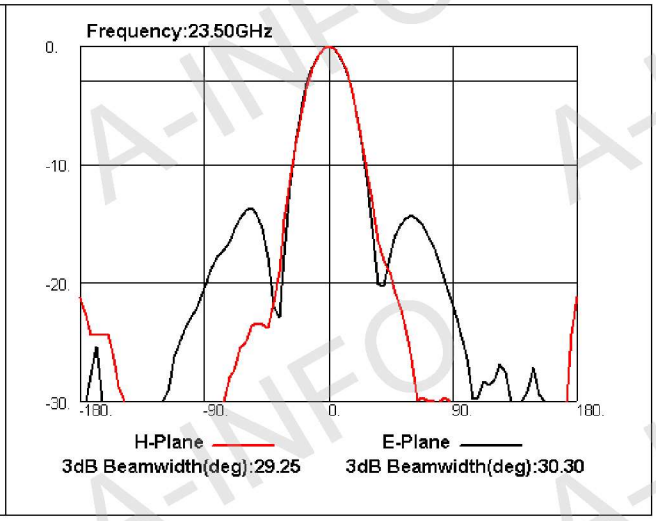

### 4. Pattern



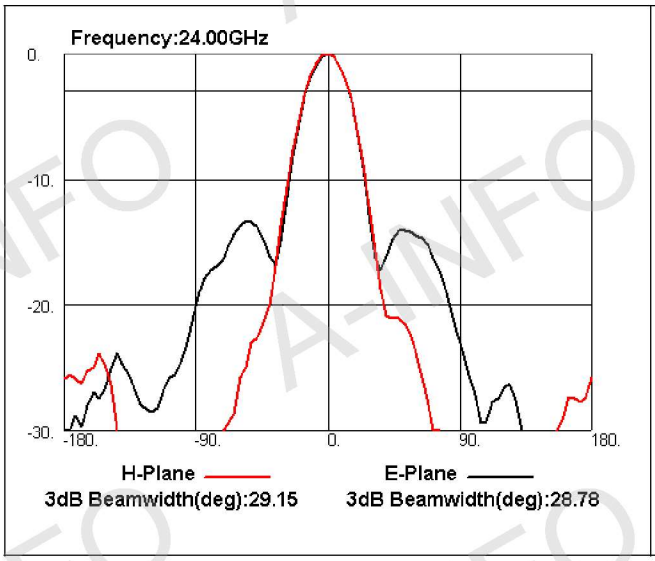

Distributed by: Reliant EMC LLC, 3311 Lewis Ave, Signal Hill CA 90755, 408-916-5750, www.reliantemc.com



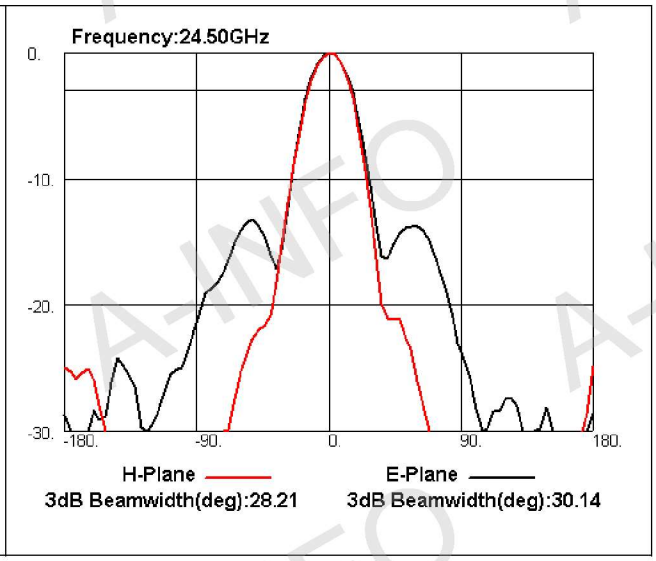

3dB Beamwidth(deg):30.01 3dB Beamwidth(deg):31.41



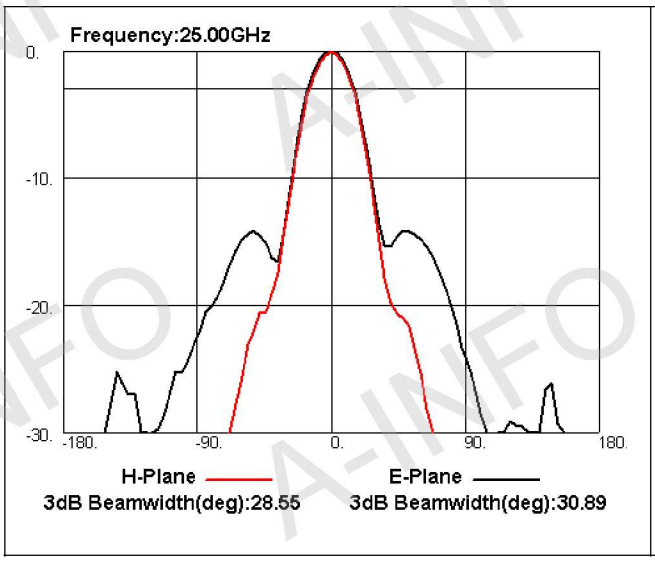

3dB Beamwidth(deg):29.25 3dB Beamwidth(deg):30.30



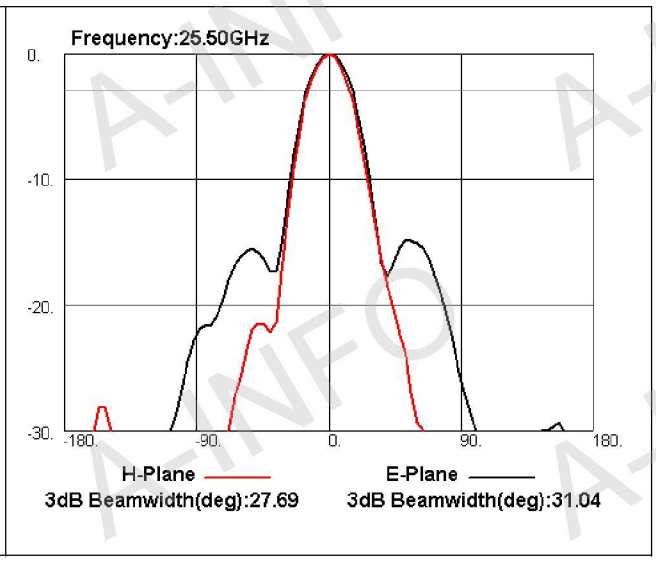

3dB Beamwidth(deg):29.15 3dB Beamwidth(deg):28.78




3dB Beamwidth(deg):28.21 3dB Beamwidth(deg):30.14




3dB Beamwidth(deg):28.55 3dB Beamwidth(deg):30.89

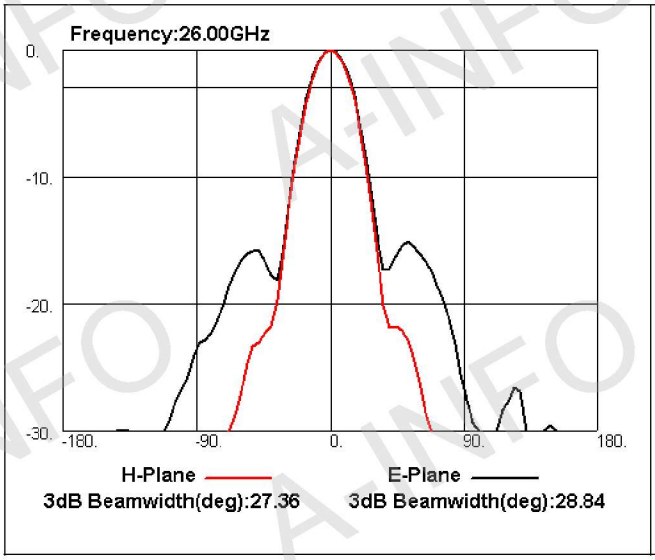


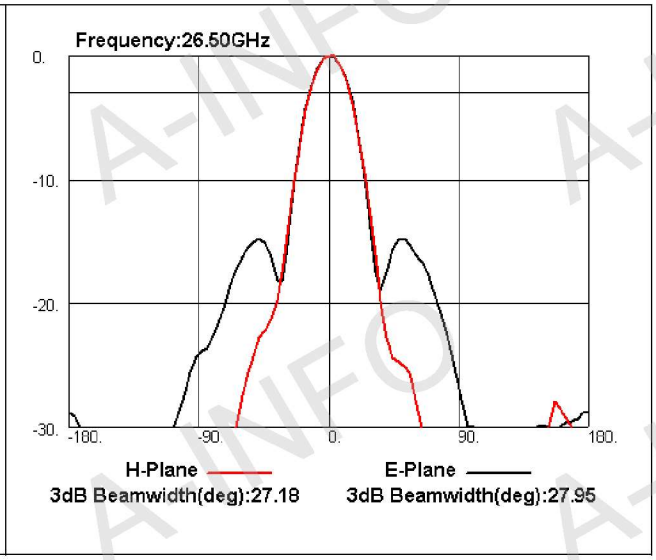

3dB Beamwidth(deg):27.69 3dB Beamwidth(deg):31.04

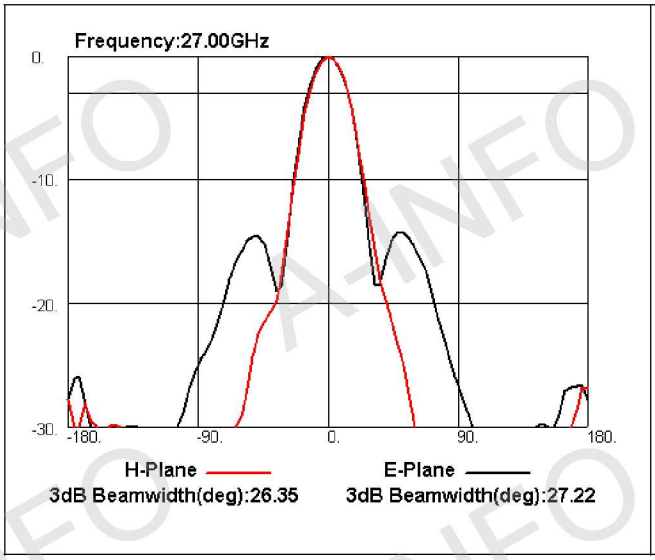
A-INFO

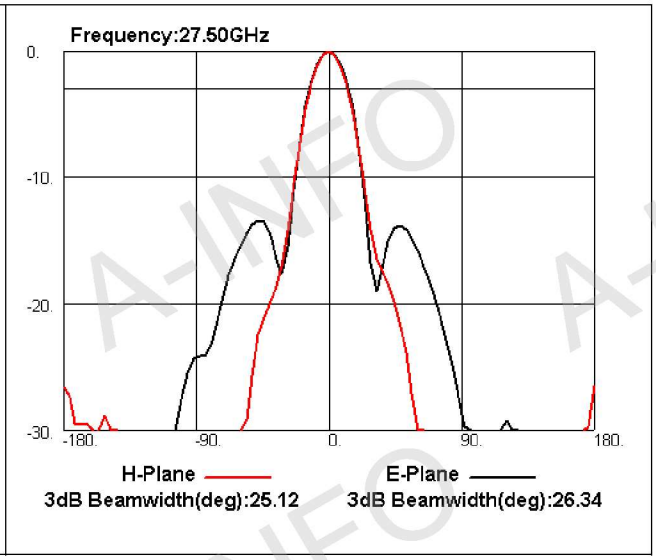
LB-34-15

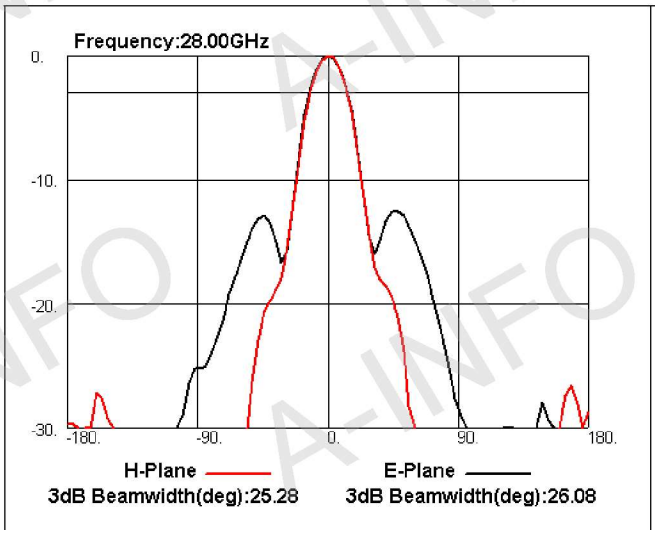
22.0 - 33.0GHz Standard Gain Horn Antenna

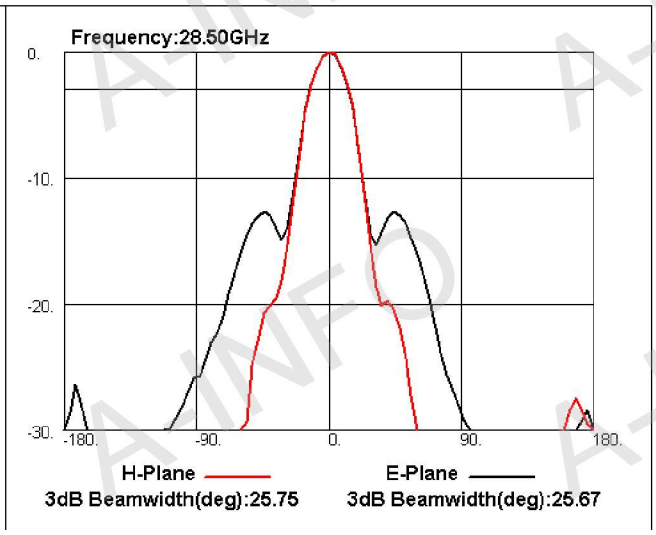


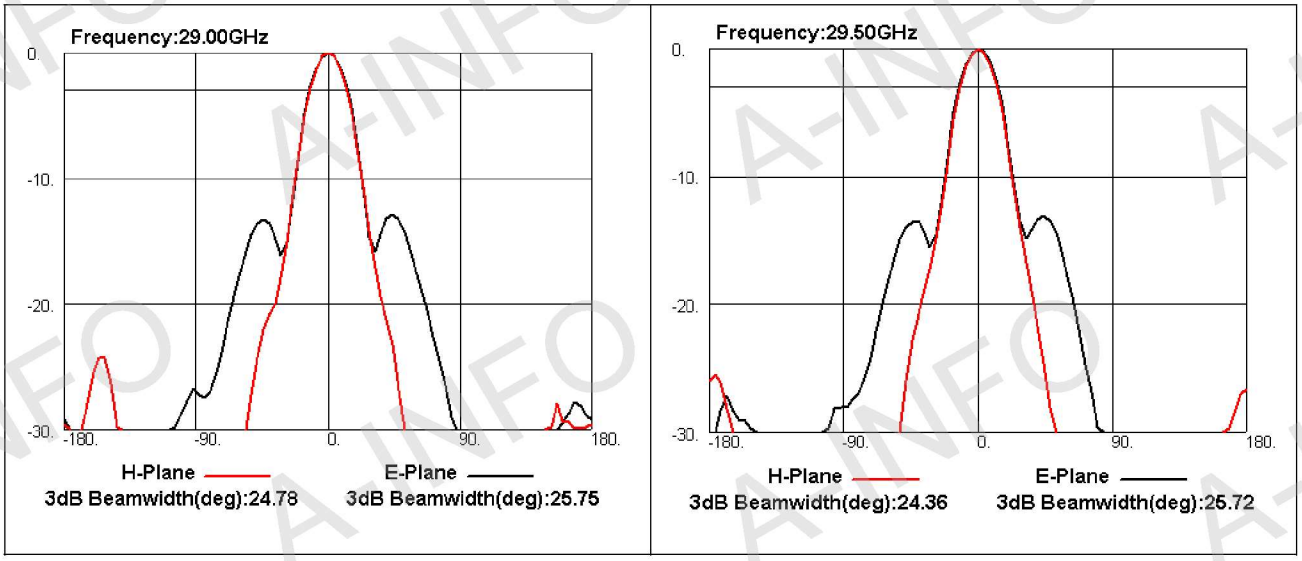




Distributed by: Reliant EMC LLC, 3311 Lewis Ave, Signal Hill CA 90755, 408-916-5750, www.reliantemc.com

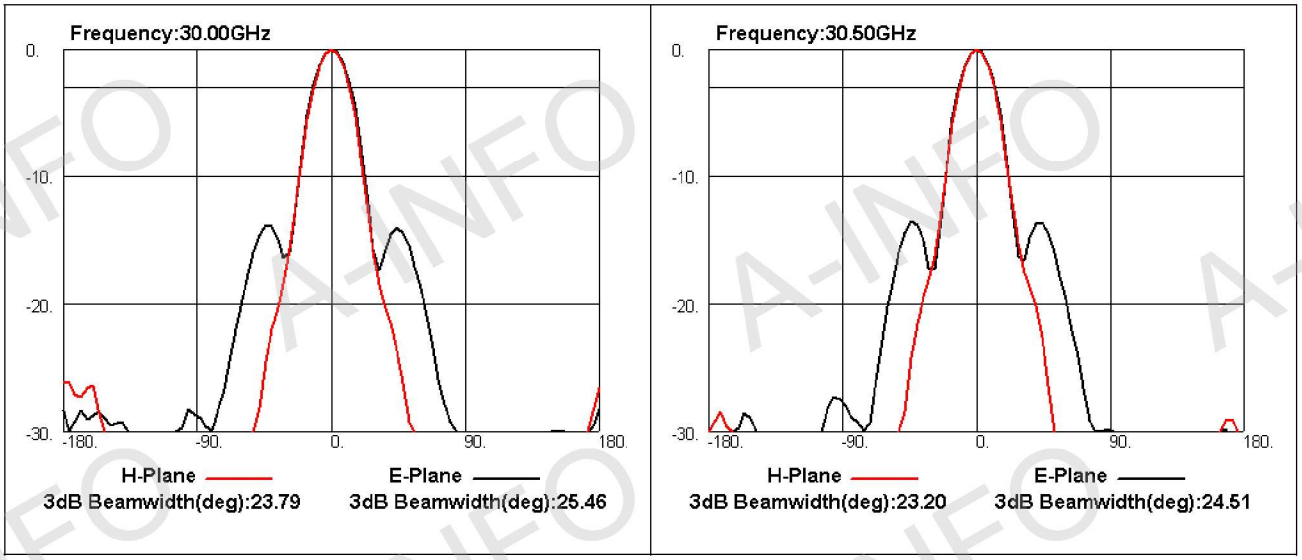
A-INFO

LB-34-15
22.0 - 33.0GHz Standard Gain Horn Antenna



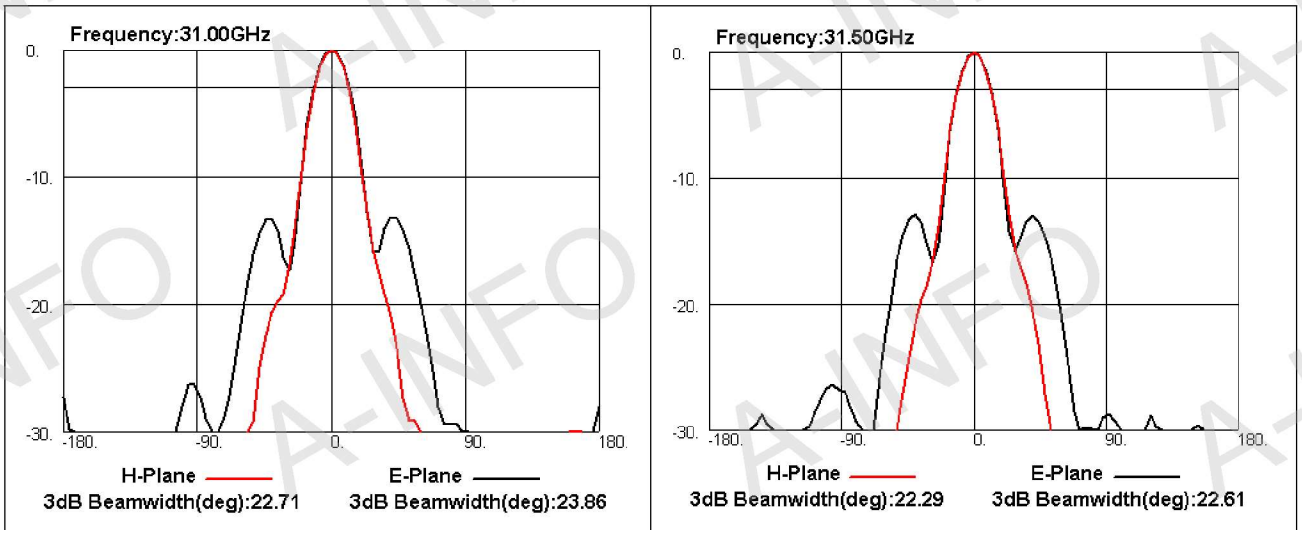


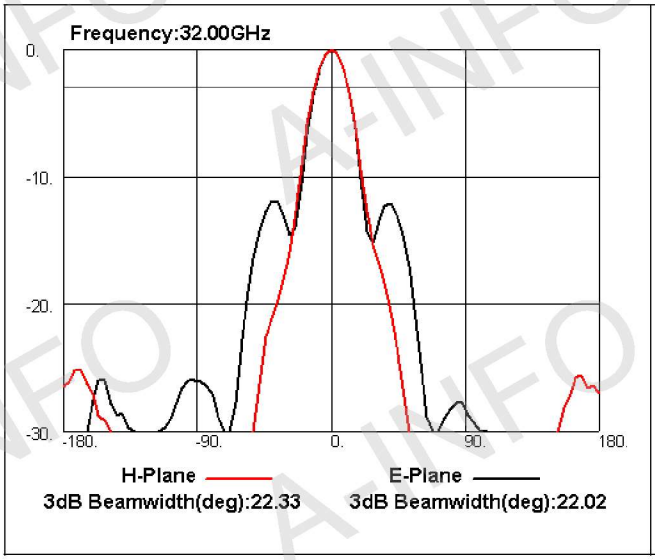


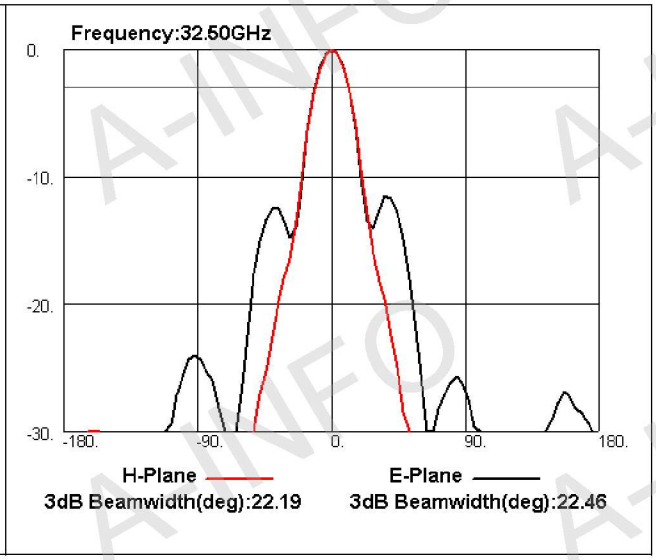


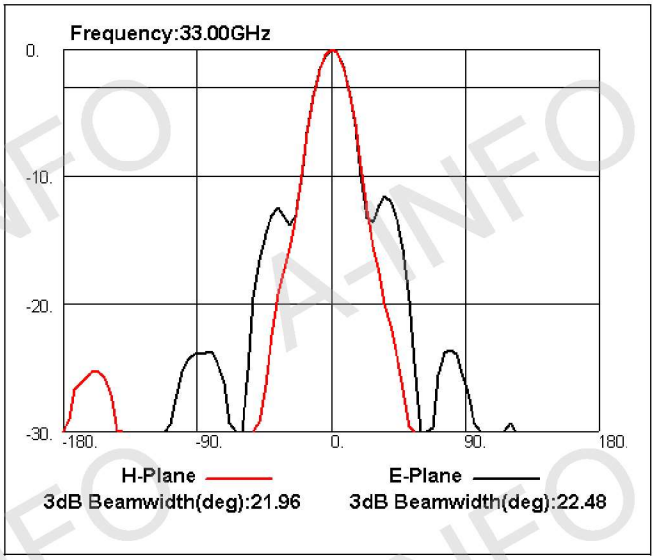







Frequency:32.00GHz
0.
-10.
-20.
-30.
-180.
-90.
0.
90.
180.
H-Plane
3dB Beamwidth(deg):22.33
E-Plane
3dB Beamwidth(deg):22.02


Frequency:32.50GHz
0.
-10.
-20.
-30.
-180.
-90.
0.
90.
180.
H-Plane
3dB Beamwidth(deg):22.19
E-Plane
3dB Beamwidth(deg):22.46


Frequency:33.00GHz
0.
-10.
-20.
-30.
-180.
-90.
0.
90.
180.
H-Plane
3dB Beamwidth(deg):21.96
E-Plane
3dB Beamwidth(deg):22.48