A-INFO

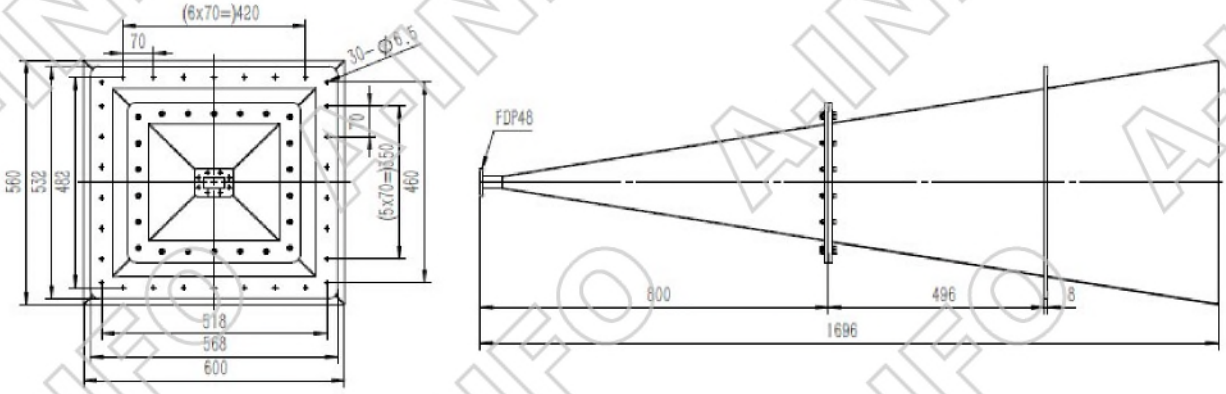
LB-187-25
3.95 - 5.85GHz Standard Gain Horn Antenna

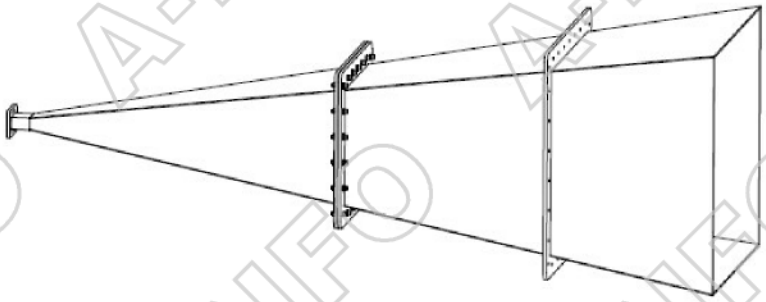
## Technical Specification

| | |
|---|---|
| Frequency Range(GHz) | 3.95 - 5.85 |
| Gain(dB) | 25 Typ. |
| 3dB Beamwidth(deg) | 10 Typ. |
| Waveguide | WR187 |
| Material | Al |
| Output | A Type: FDP48<br>C Type: N-F or SMA-F |
| Size(mm) W x H x L | A Type: 600x560x1696<br>C Type: 600x560x1750 |
| Net Weight(Kg) | A Type: 22.3 Around<br>C Type: 22.5 Around |

## Outline Drawing (Size: mm)

A Type



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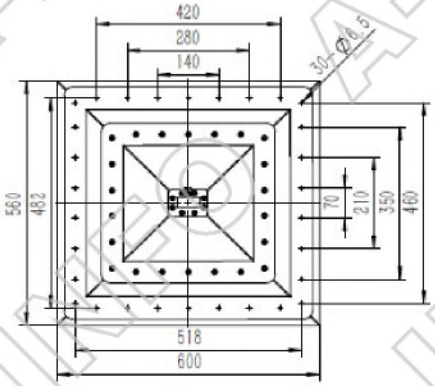
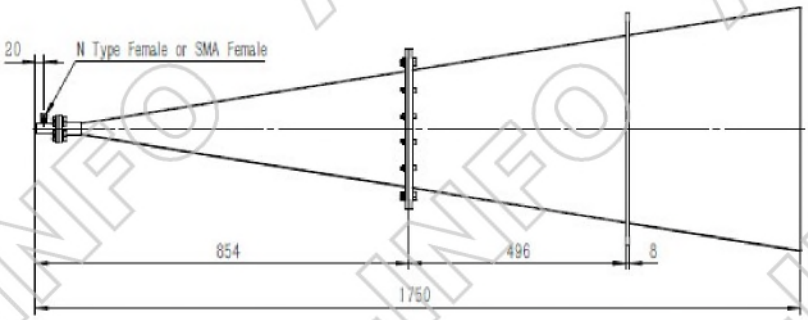
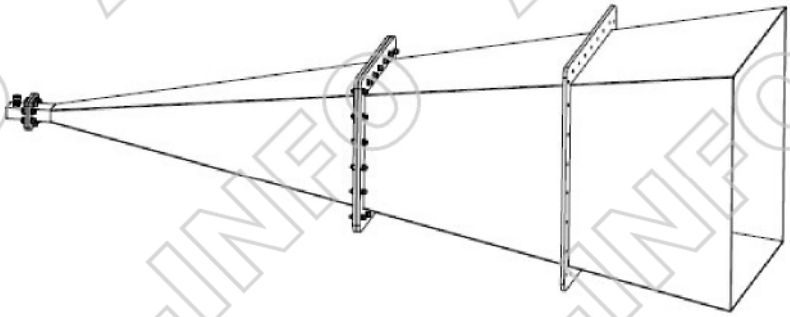
C Type


420
280
140
30-Ø6.5
560
482
70
210
350
460
518
600


20
N Type Female or SMA Female
854
496
8
1750



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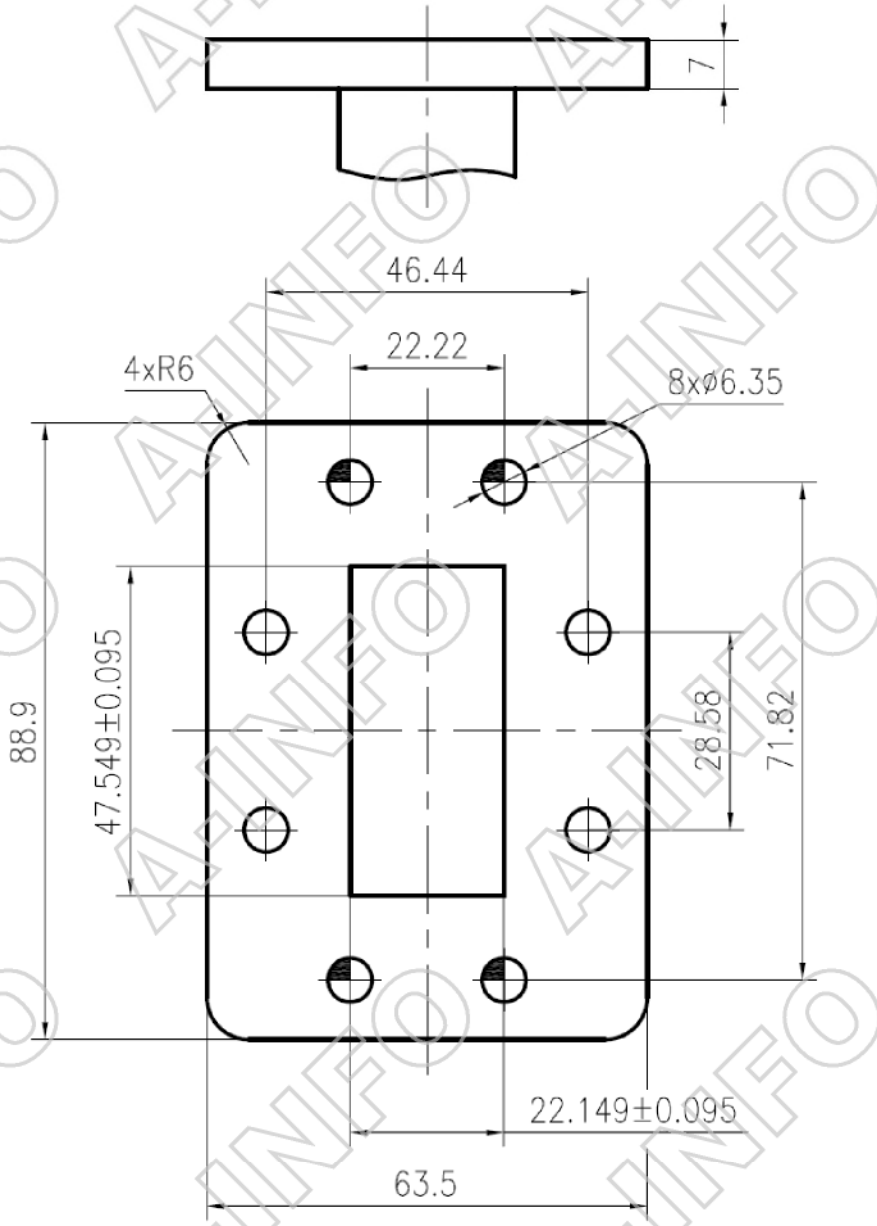
## Flange Drawing (Size: mm)




FDP48

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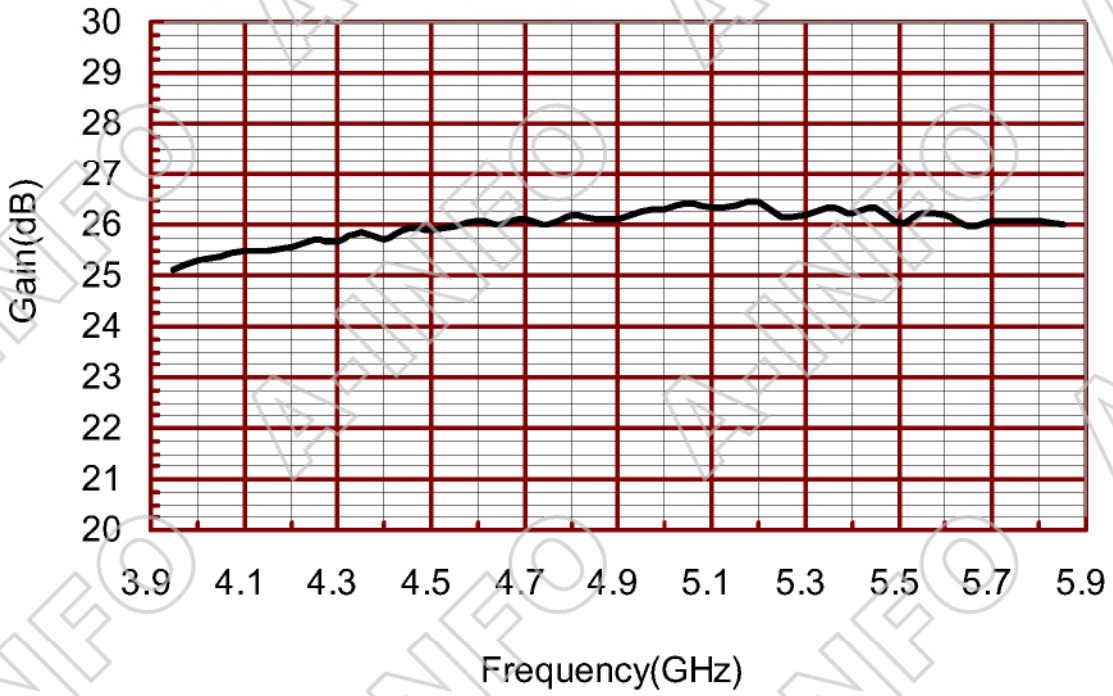
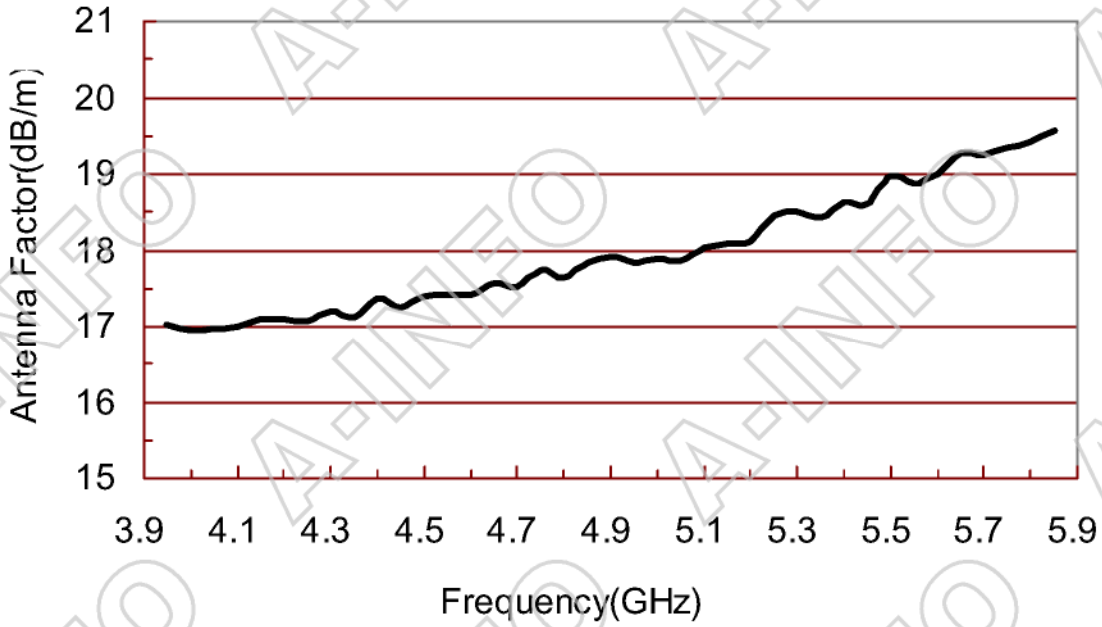
## Test Results

### 1. Gain and Antenna Factor

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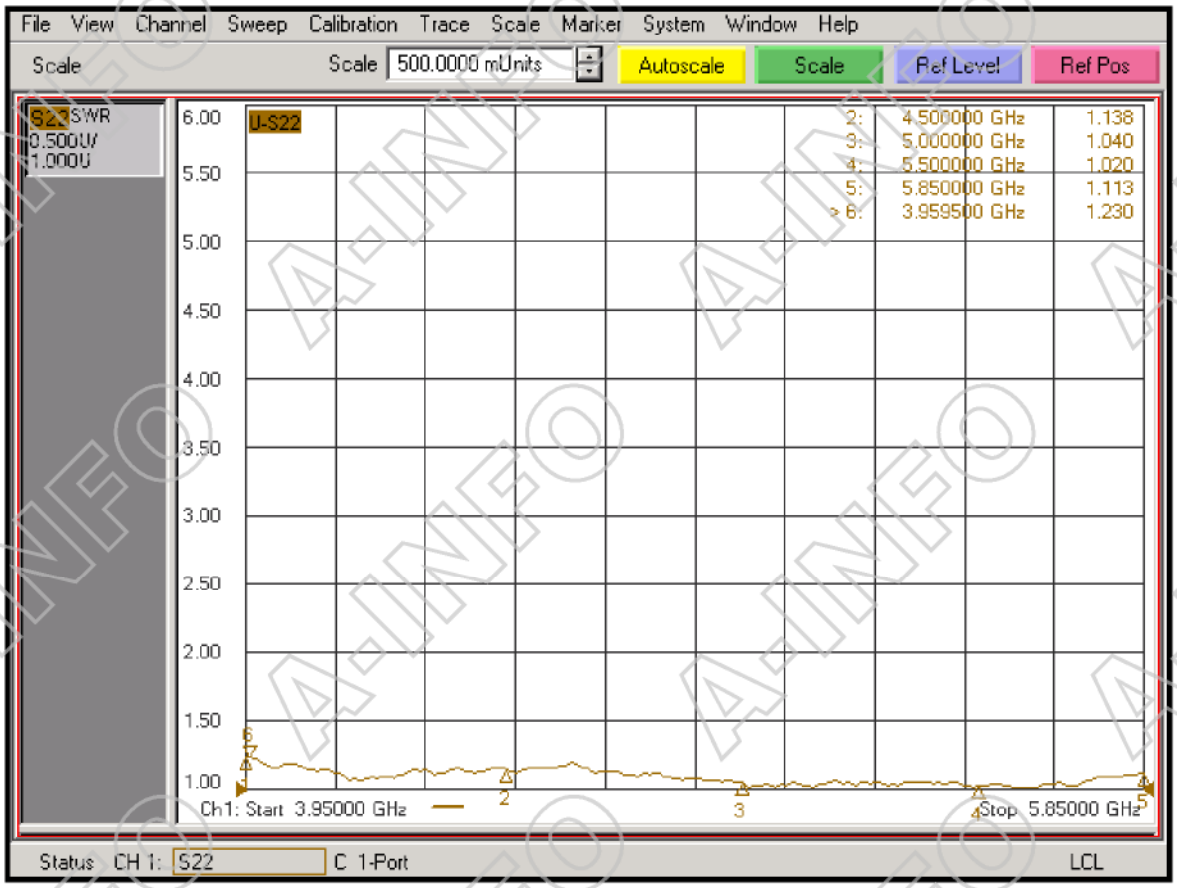
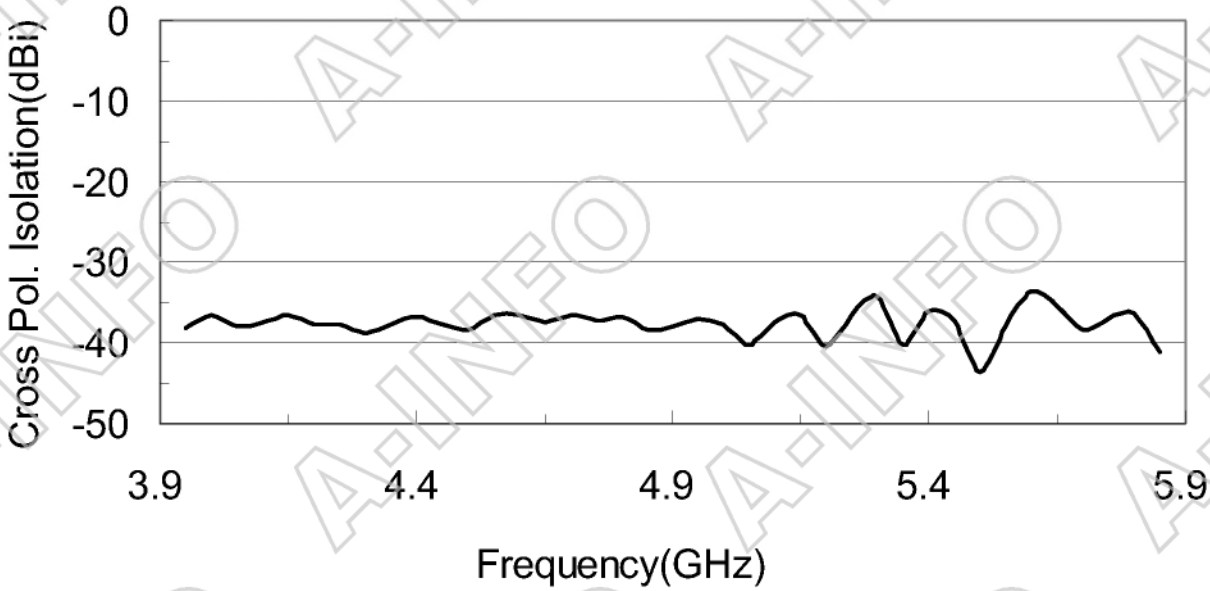
| Frequency (GHz) | Gain (dB) | Antenna Factor (dB/m) |
|---|---|---|
| 3.95 | 25.12 | 17.02 |
| 4.0 | 25.30 | 16.95 |
| 4.1 | 25.46 | 17.00 |
| 4.2 | 25.57 | 17.10 |
| 4.3 | 25.68 | 17.19 |
| 4.4 | 25.71 | 17.37 |
| 4.5 | 25.87 | 17.40 |
| 4.6 | 26.05 | 17.41 |
| 4.7 | 26.12 | 17.52 |
| 4.8 | 26.18 | 17.64 |
| 4.9 | 26.11 | 17.90 |

| Frequency (GHz) | Gain (dB) | Antenna Factor (dB/m) |
|---|---|---|
| 5.0 | 26.29 | 17.89 |
| 5.1 | 26.31 | 18.04 |
| 5.2 | 26.43 | 18.10 |
| 5.3 | 26.19 | 18.49 |
| 5.4 | 26.22 | 18.63 |
| 5.5 | 26.04 | 18.97 |
| 5.6 | 26.18 | 18.99 |
| 5.7 | 26.07 | 19.25 |
| 5.8 | 26.06 | 19.40 |
| 5.85 | 25.98 | 19.56 |

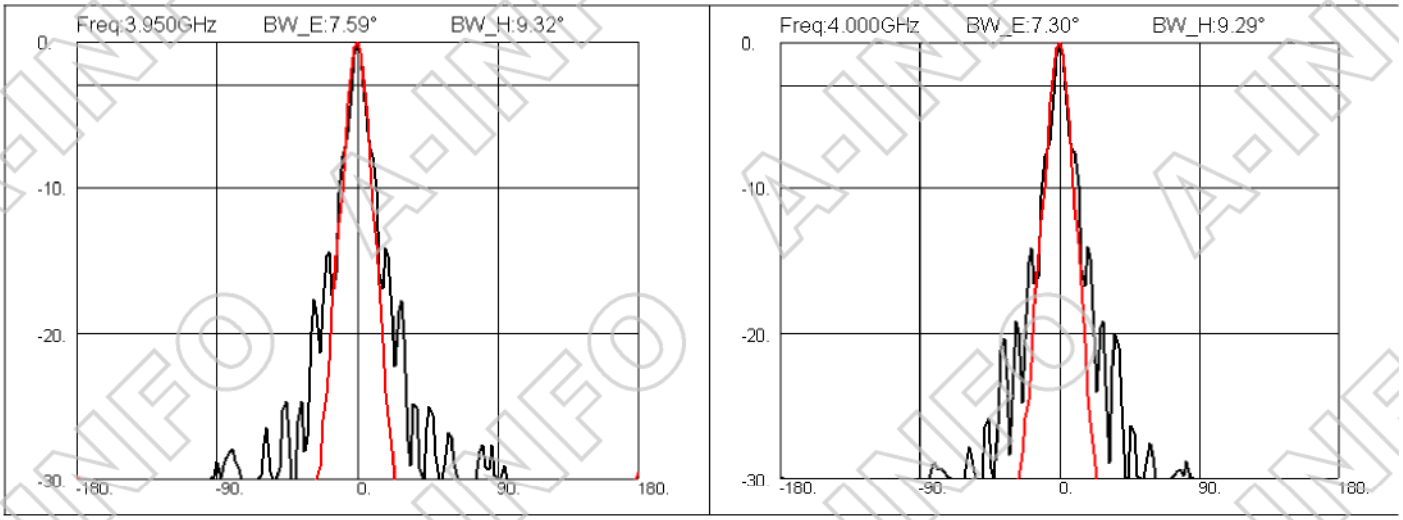
**2. VSWR**



### 3. Cross Polarization Isolation




### 4. Pattern

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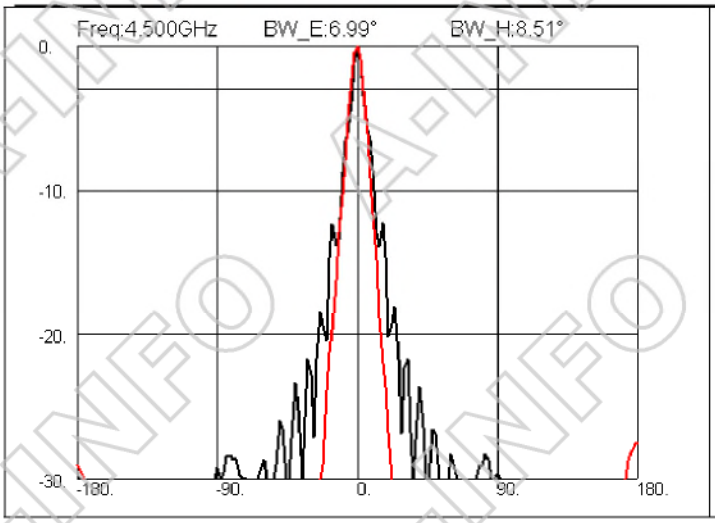


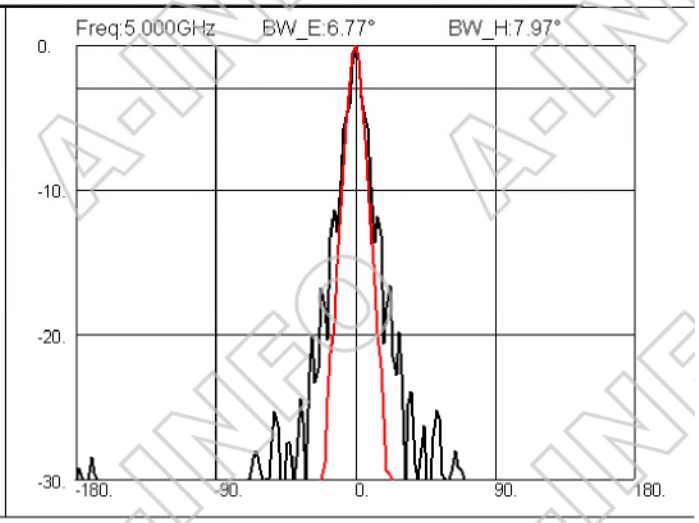


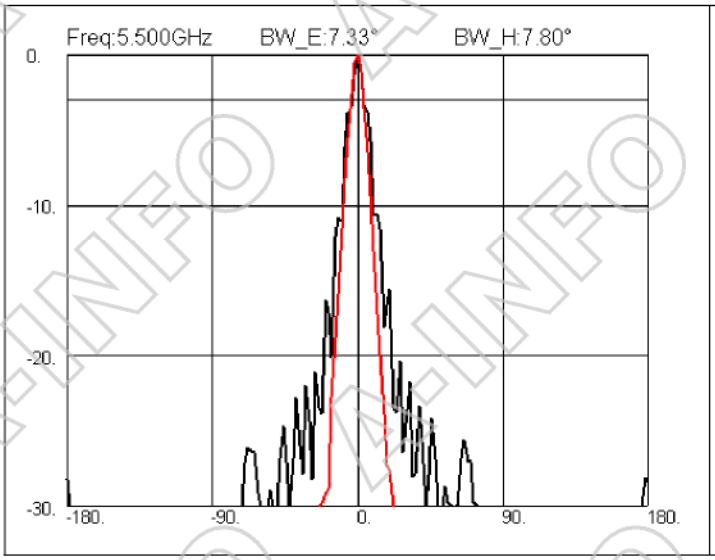


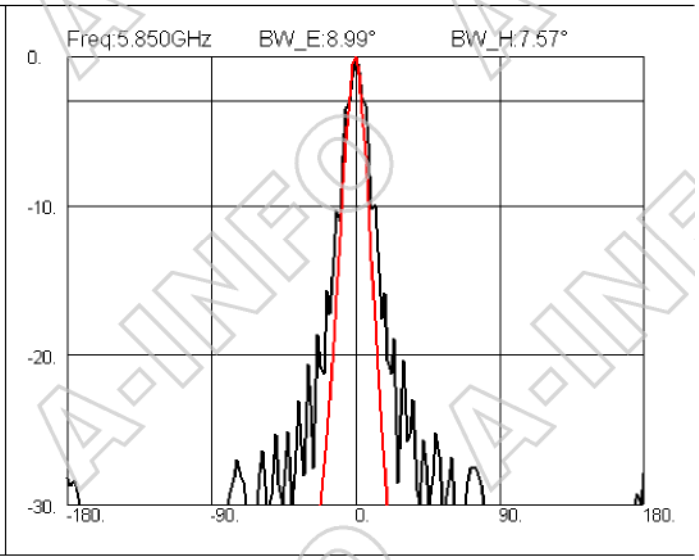


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