

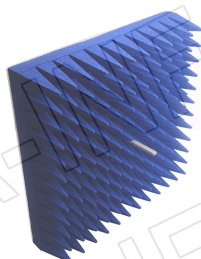
For reference only. See data sheet for the detailed specifications.

Technical Specification

28EWG



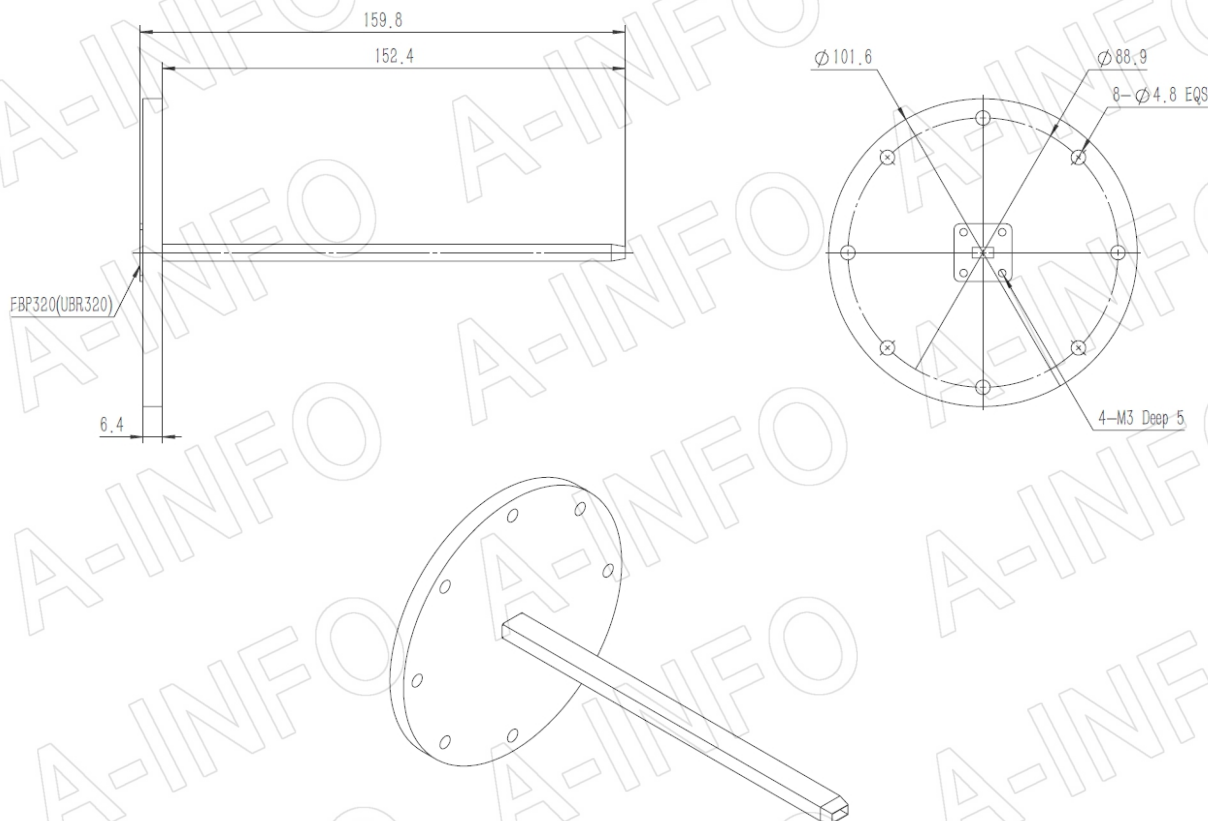
28EWG-A1



Frequency Range(GHz)	26.5 – 40.0
Waveguide	WR28
Gain(dBi)	6 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 88 Typ.
	H Plane: 58 Typ.
Cross Pol. Isolation(dB)	35 Typ.
VSWR	1.50:1 Typ.
Output	FBP320(UBR320)
Material	Cu
Finish	Sliver Plated, Gray Paint
Size(mm)	28EWG: 101.6 x 101.6 x 159.8
	28EWG-A1: 399.6 x 399.6 x 159.8
Net Weight(Kg)	28EWG: 0.45 Around
	28EWG-A1: 2.70 Around

Outline Drawing (Size: mm)

FBP320 Output (P/N: 28EWG)



AINFO Inc.

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China(Chengdu):
USA :

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

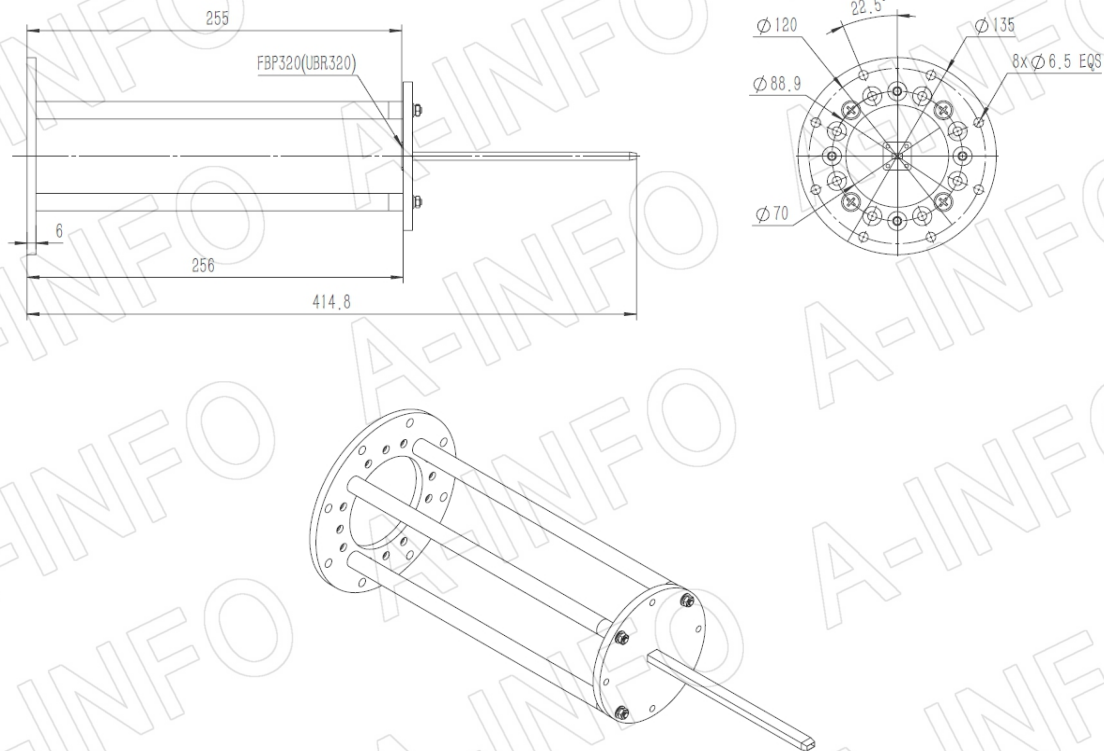
(+86) 10-6266-7327
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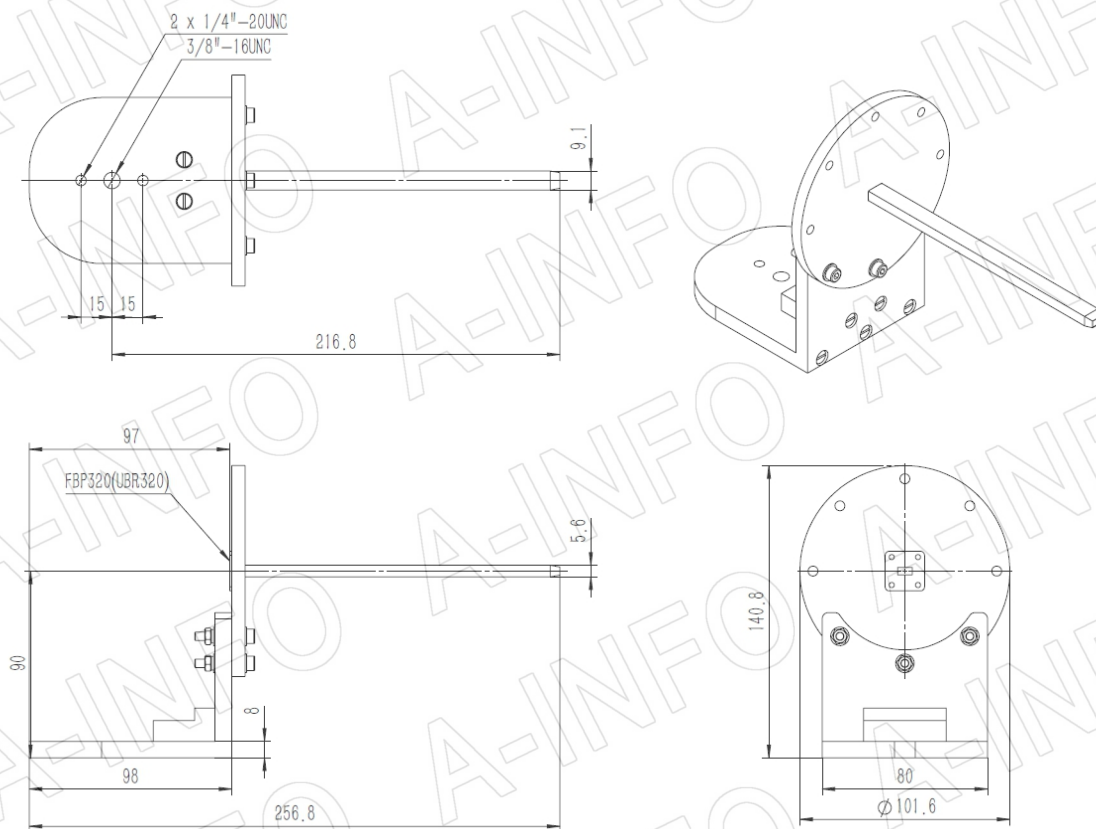
Fax: (+86) 10-6266-7379
Fax: (+86) 28-8519-3068
Fax: (+1) 949-639-9670

Website: www.ainfoinc.com
Email: sales@ainfoinc.com

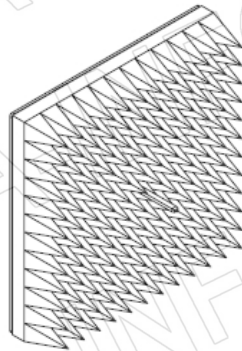
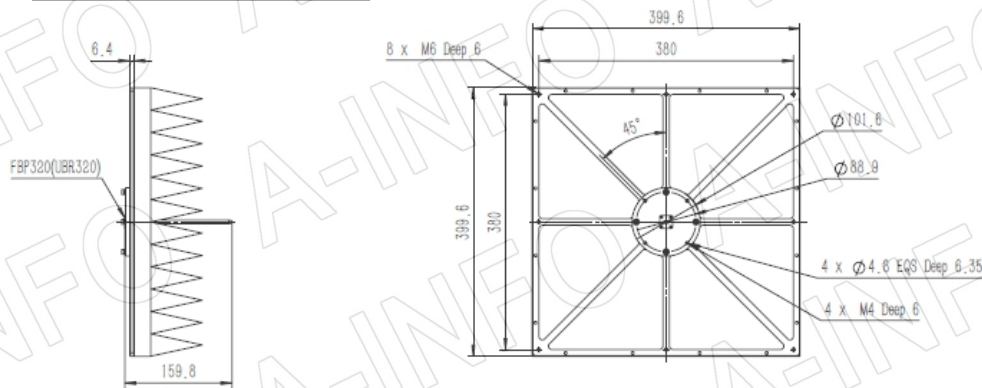
FBP320 Output with Round Mounting Bracket (Option, P/N: EWG-MB40)



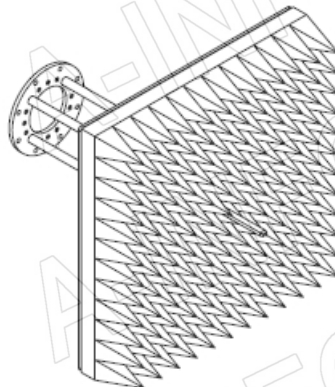
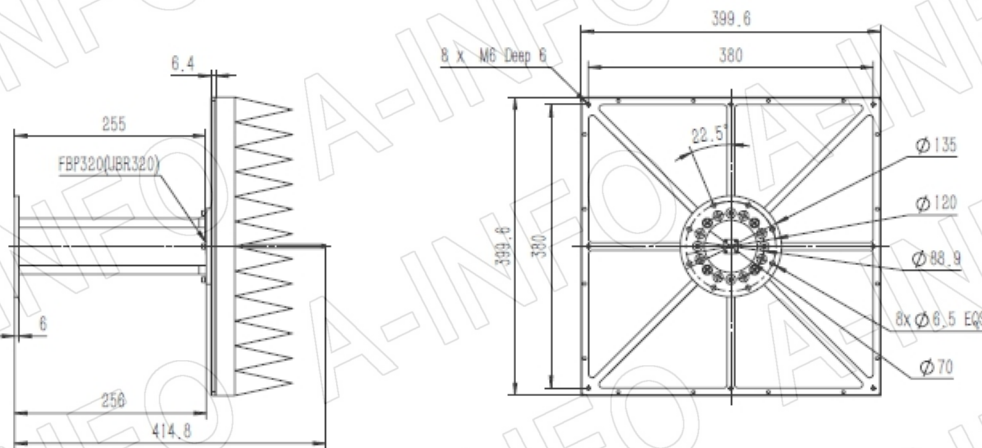
FBP320 Output & L Type Mounting Bracket (Option, P/N: EWG-L30/FRP)



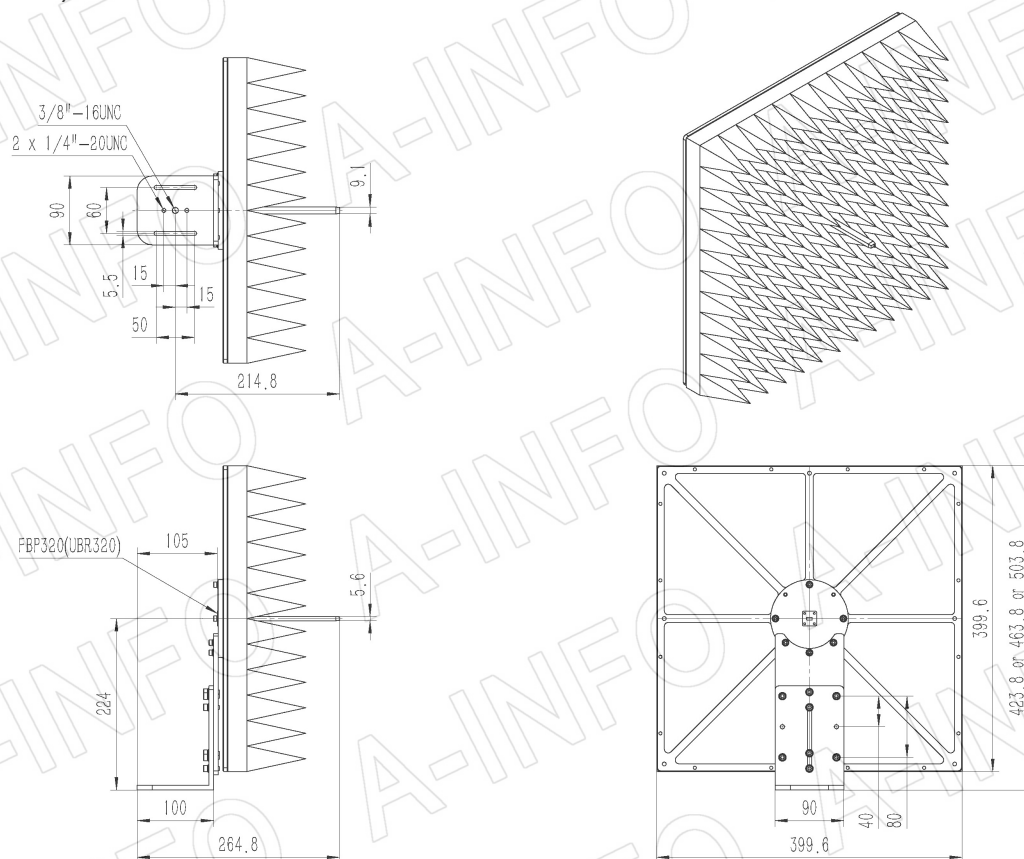
FBP320 Output, Equipped with Absorber (Option, P/N: 28EWG-A1)



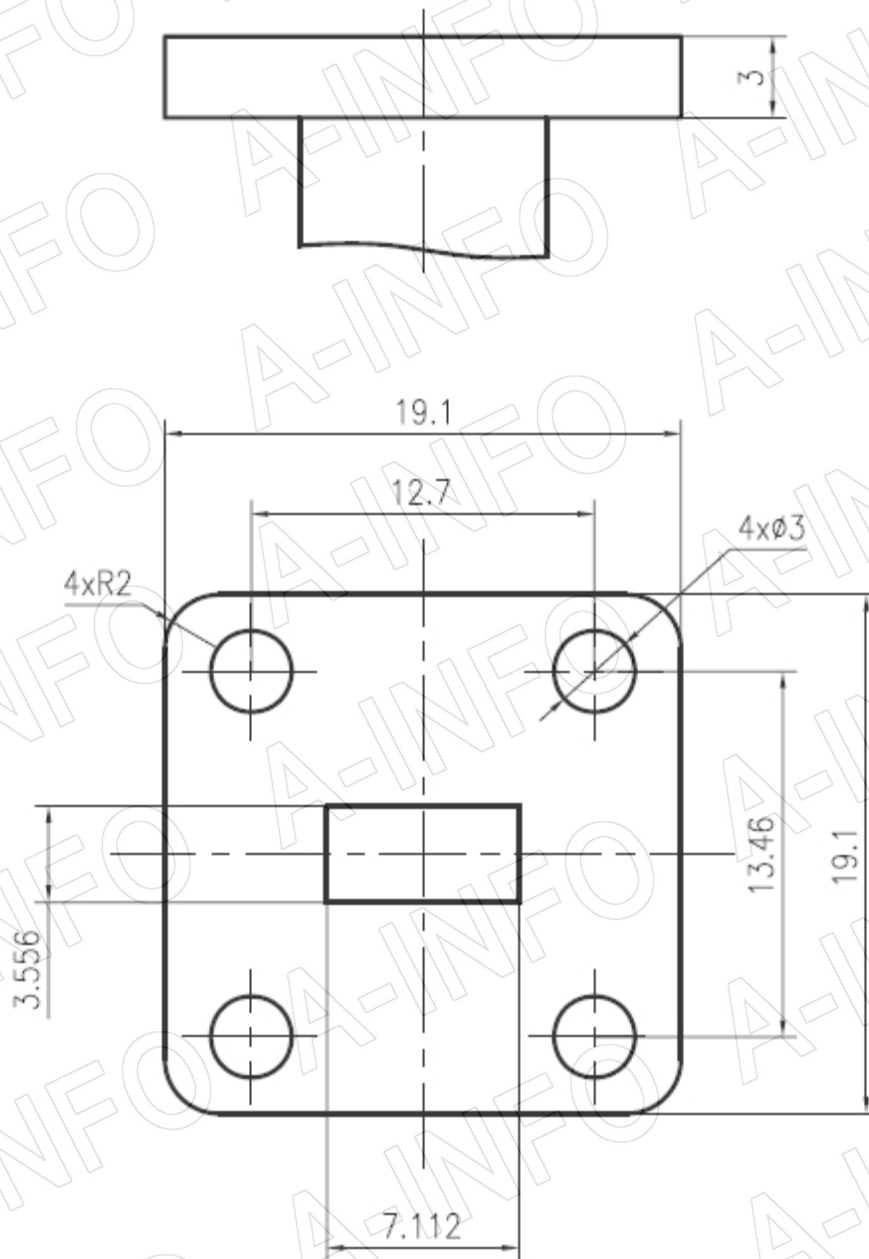
FBP320 Output with Round Mounting Bracket & Equipped with Absorber (Option, P/N: EWG-MB40 & 28EWG-A1)



FB320 Output with L Type Mounting Bracket & Equipped with Absorber (Option, P/N: EWG-L40 & 28EWG-A1)



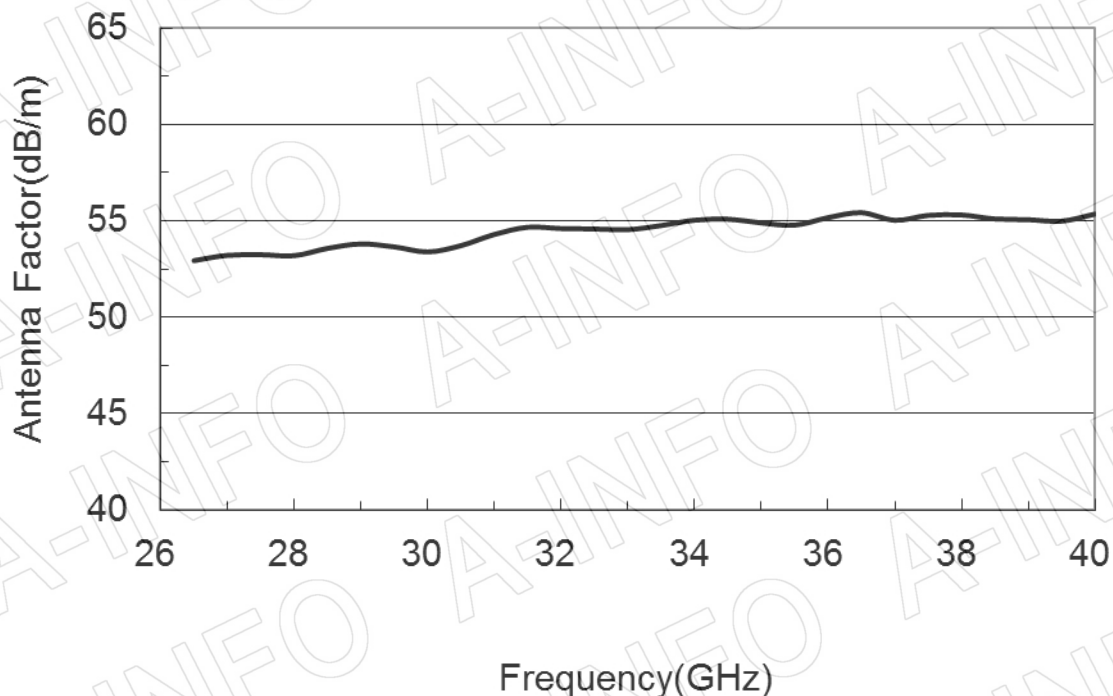
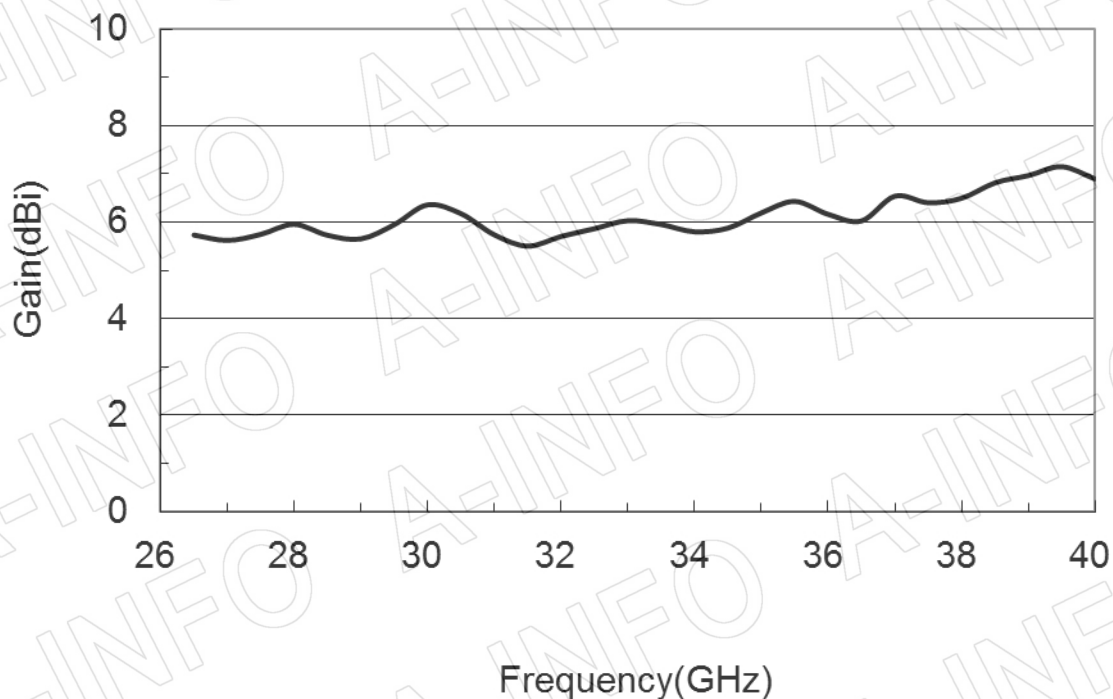
Flange Drawing (Size: mm)



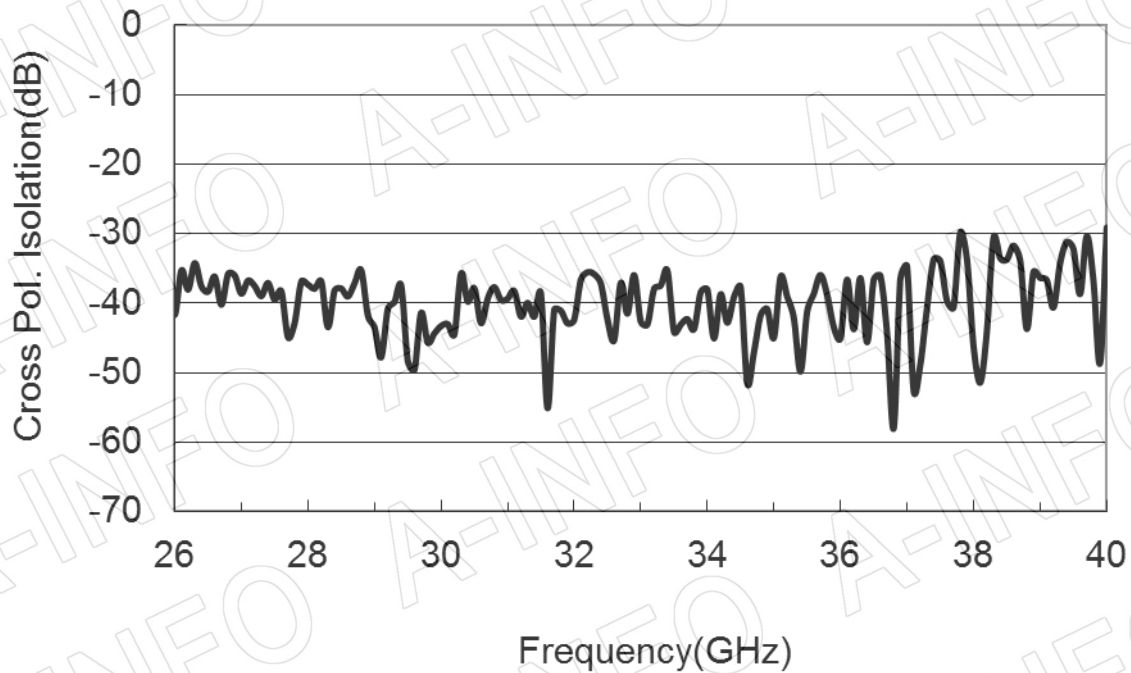
FBP320

Test Results

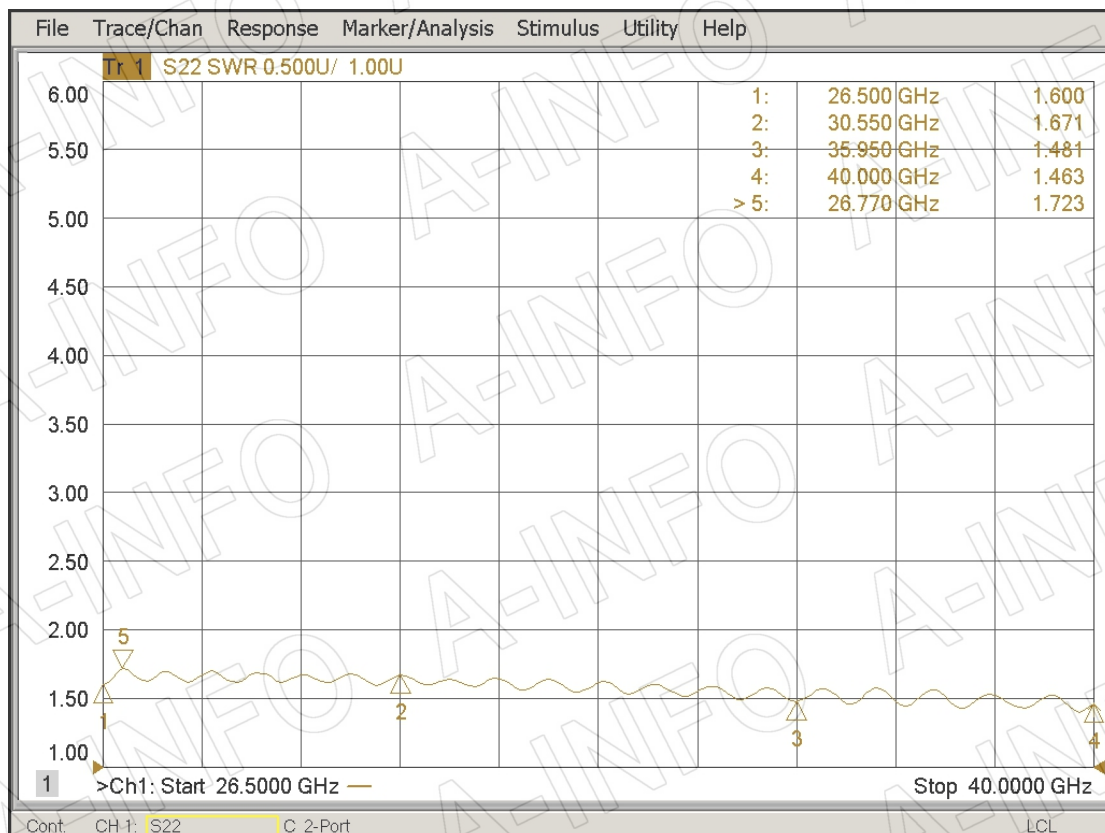
1. Gain & Antenna Factor



2. Cross Polarization Isolation

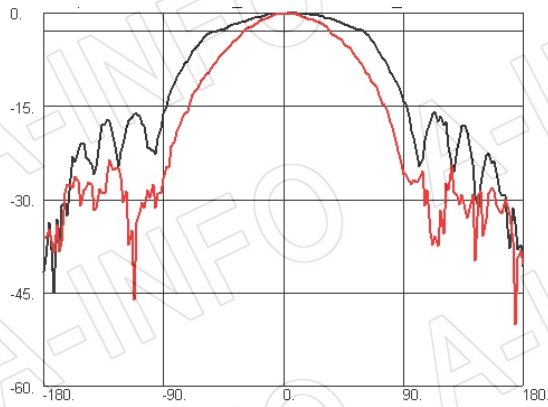


3. VSWR



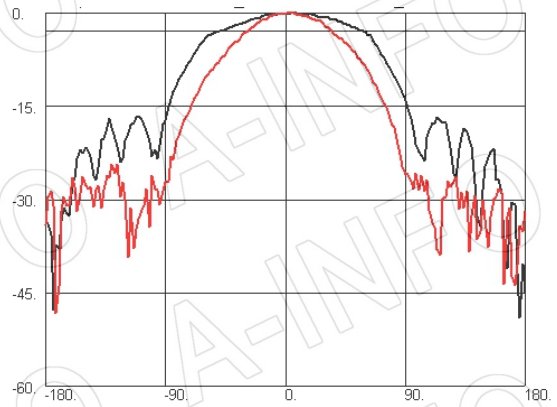
4. Pattern

Frequency: 26.5GHz



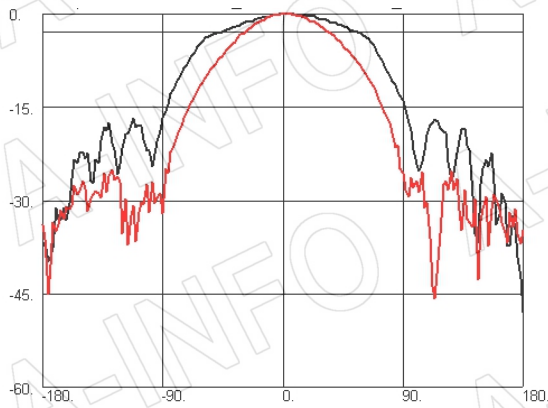
H-Plane — 3dB Beamwidth (deg): 64.49
E-Plane — 3dB Beamwidth (deg): 112.45

Frequency: 27.0GHz



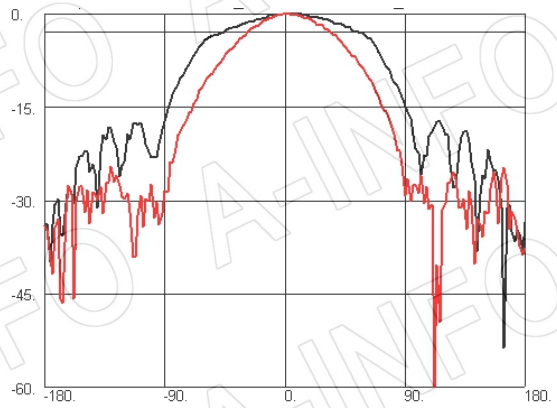
H-Plane — 3dB Beamwidth (deg): 64.21
E-Plane — 3dB Beamwidth (deg): 109.59

Frequency: 27.5GHz



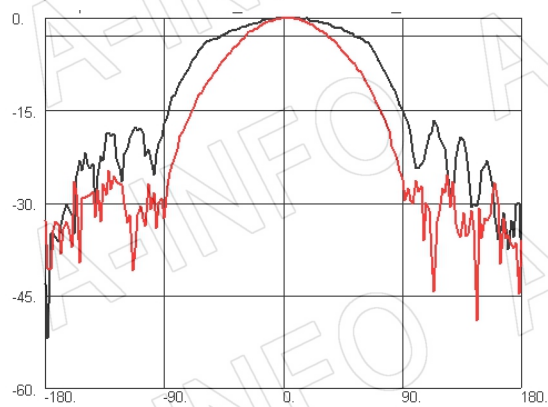
H-Plane — 3dB Beamwidth (deg): 64.34
E-Plane — 3dB Beamwidth (deg): 102.81

Frequency: 28.0GHz



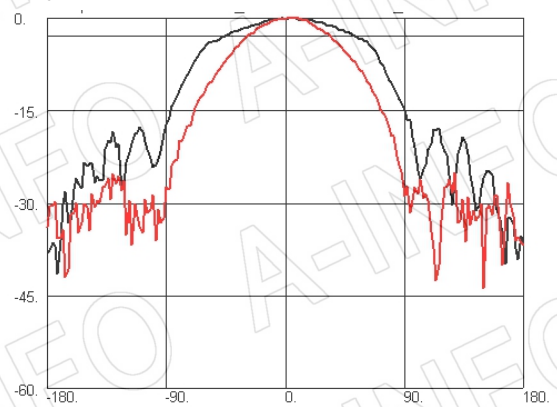
H-Plane — 3dB Beamwidth (deg): 62.66
E-Plane — 3dB Beamwidth (deg): 102.10

Frequency: 28.5GHz



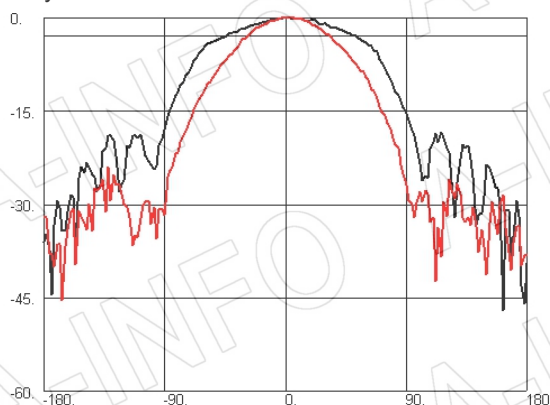
H-Plane — 3dB Beamwidth (deg): 62.81
E-Plane — 3dB Beamwidth (deg): 101.49

Frequency: 29.0GHz



H-Plane — 3dB Beamwidth (deg): 63.52
E-Plane — 3dB Beamwidth (deg): 98.96

Frequency: 29.5GHz



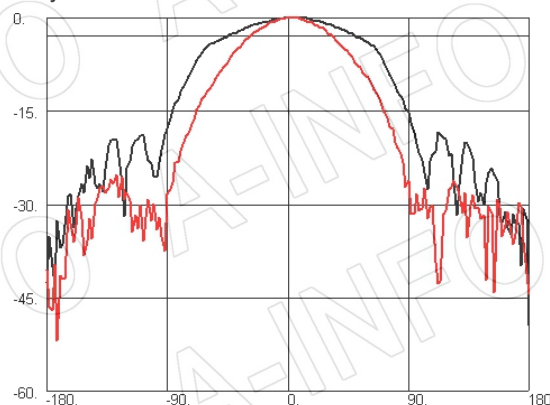
H-Plane

E-Plane

3dB Beamwidth (deg): 62.03

3dB Beamwidth (deg): 97.36

Frequency: 30.0GHz



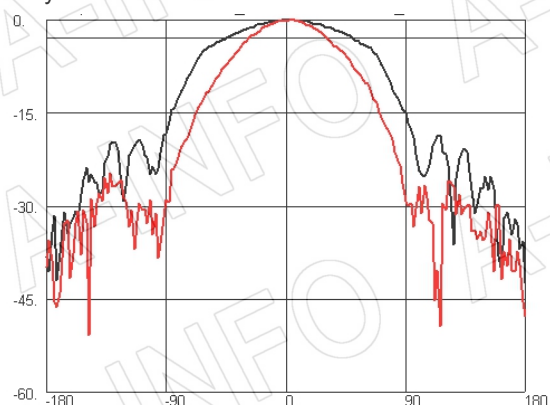
H-Plane

E-Plane

3dB Beamwidth (deg): 61.15

3dB Beamwidth (deg): 96.39

Frequency: 30.5GHz



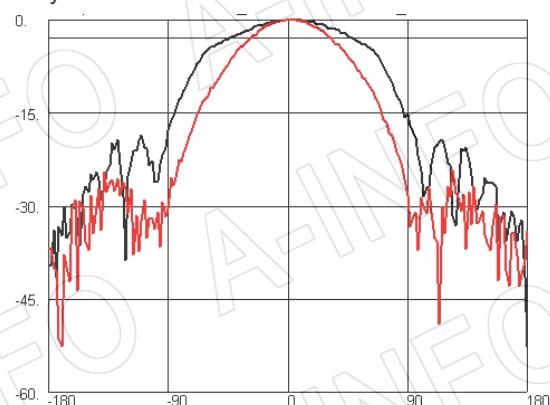
H-Plane

E-Plane

3dB Beamwidth (deg): 58.97

3dB Beamwidth (deg): 96.30

Frequency: 31.0GHz



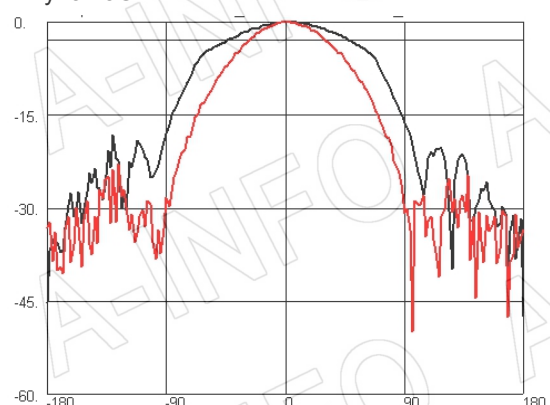
H-Plane

E-Plane

3dB Beamwidth (deg): 61.03

3dB Beamwidth (deg): 93.33

Frequency: 31.5GHz



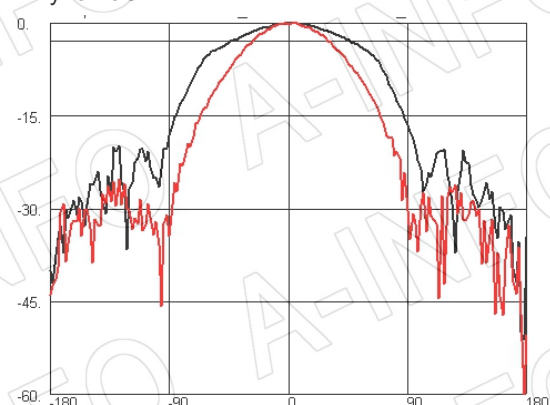
H-Plane

E-Plane

3dB Beamwidth (deg): 58.04

3dB Beamwidth (deg): 92.25

Frequency: 32.0GHz



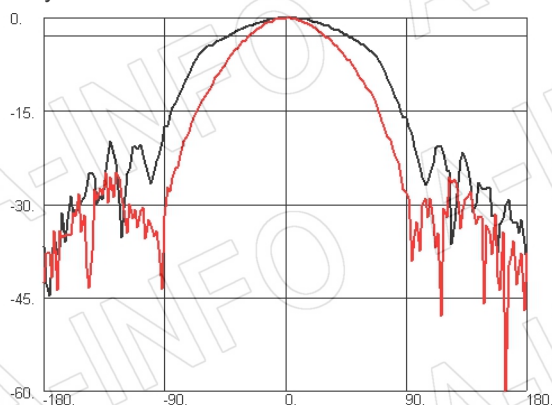
H-Plane

E-Plane

3dB Beamwidth (deg): 57.98

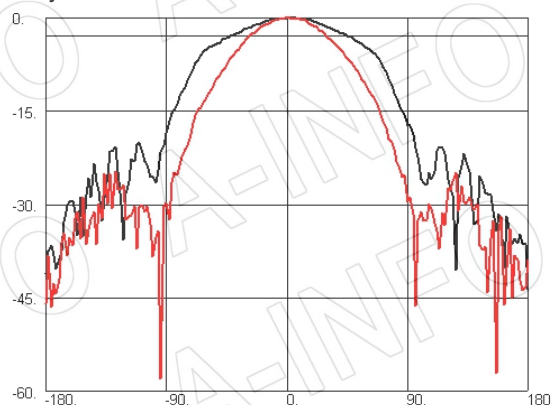
3dB Beamwidth (deg): 91.09

Frequency: 32.5GHz



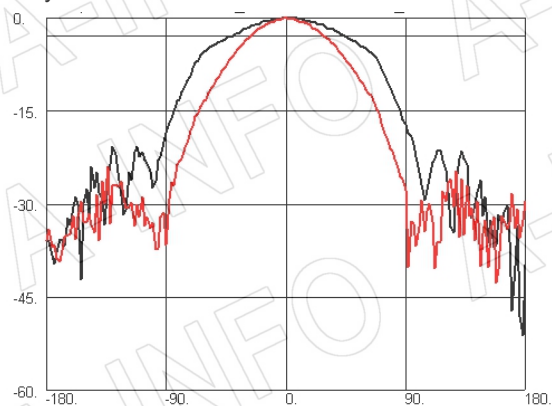
H-Plane — E-Plane —
3dB Beamwidth (deg): 57.45 3dB Beamwidth (deg): 90.61

Frequency: 33.0GHz



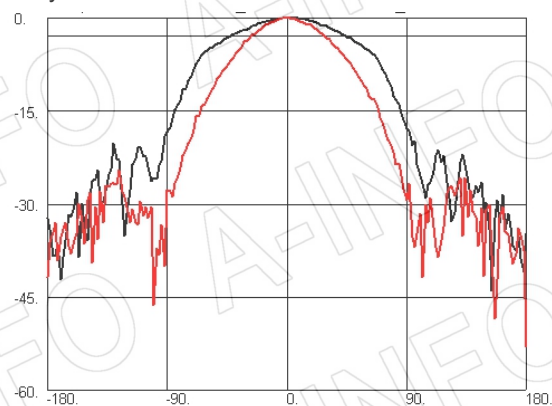
H-Plane — E-Plane —
3dB Beamwidth (deg): 58.05 3dB Beamwidth (deg): 88.03

Frequency: 33.5GHz



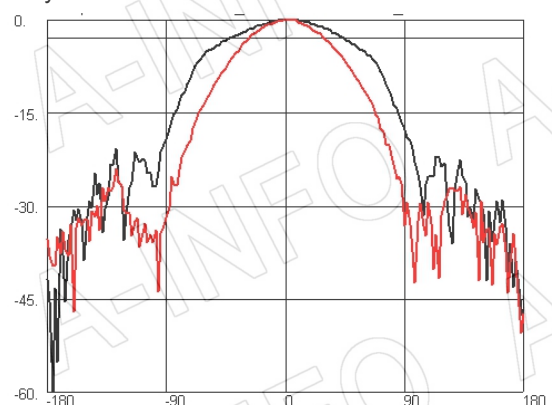
H-Plane — E-Plane —
3dB Beamwidth (deg): 55.78 3dB Beamwidth (deg): 85.76

Frequency: 34.0GHz



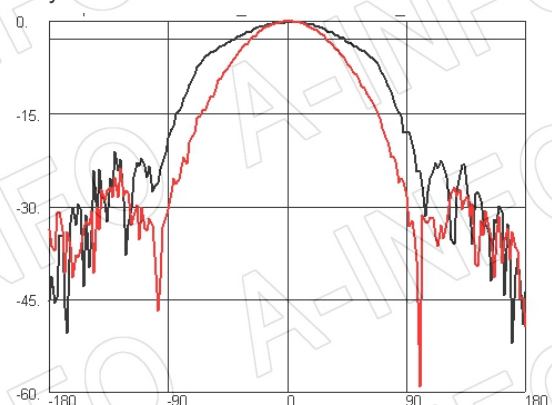
H-Plane — E-Plane —
3dB Beamwidth (deg): 55.52 3dB Beamwidth (deg): 87.15

Frequency: 34.5GHz



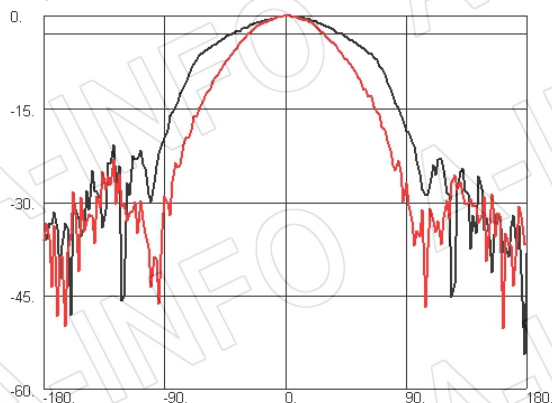
H-Plane — E-Plane —
3dB Beamwidth (deg): 56.77 3dB Beamwidth (deg): 86.98

Frequency: 35.0GHz



H-Plane — E-Plane —
3dB Beamwidth (deg): 57.68 3dB Beamwidth (deg): 84.83

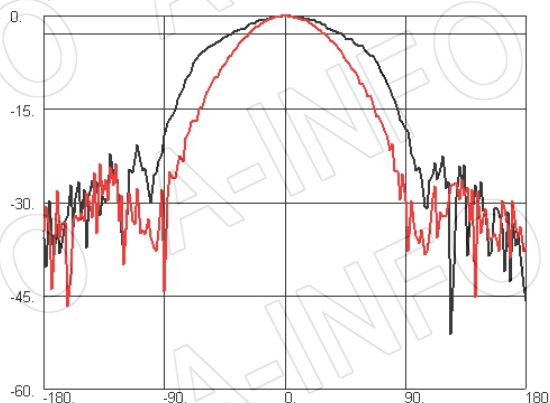
Frequency: 35.5GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 57.12 3dB Beamwidth (deg): 82.97

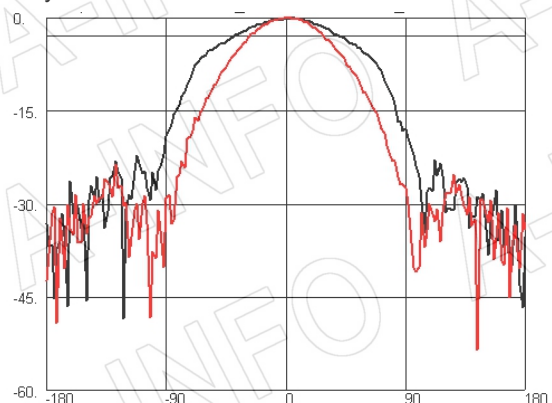
Frequency: 36.0GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 57.15 3dB Beamwidth (deg): 83.30

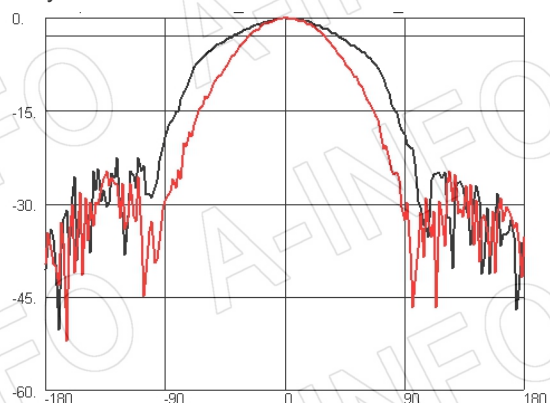
Frequency: 36.5GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 55.43 3dB Beamwidth (deg): 80.15

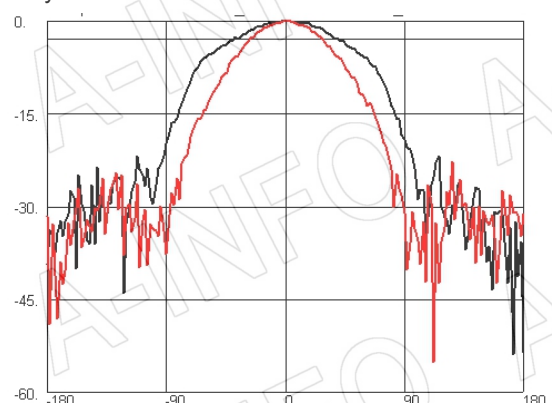
Frequency: 37.0GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 57.68 3dB Beamwidth (deg): 80.04

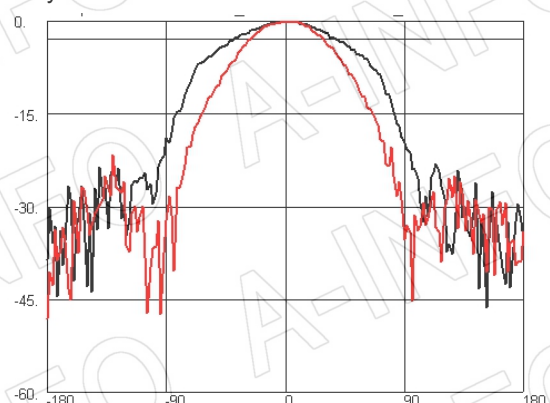
Frequency: 37.5GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 55.22 3dB Beamwidth (deg): 80.23

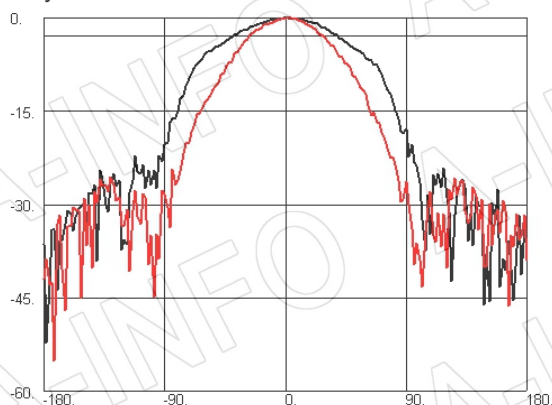
Frequency: 38.0GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 55.25 3dB Beamwidth (deg): 78.59

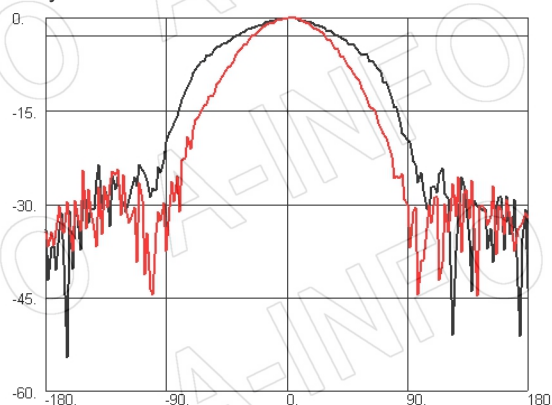
Frequency: 38.5GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 55.25 3dB Beamwidth (deg): 77.95

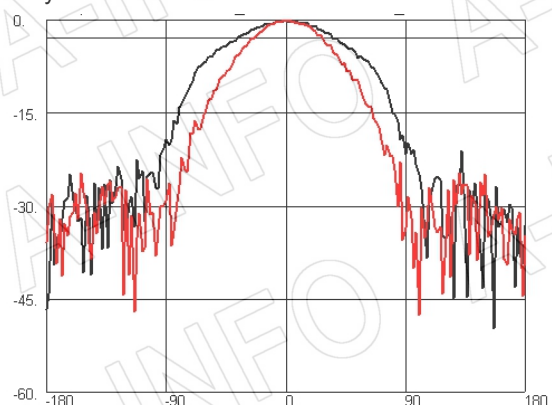
Frequency: 39.0GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 54.97 3dB Beamwidth (deg): 77.46

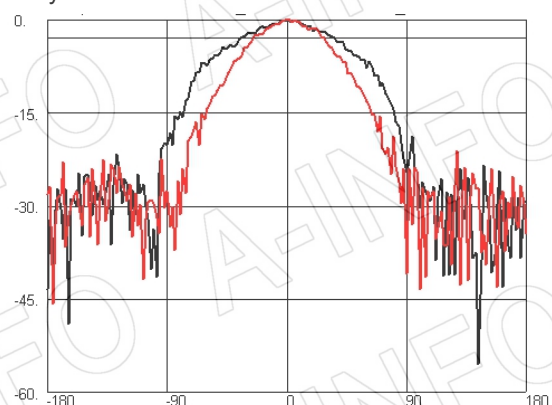
Frequency: 39.5GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 52.68 3dB Beamwidth (deg): 72.70

Frequency: 40.0GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 53.27 3dB Beamwidth (deg): 71.69