

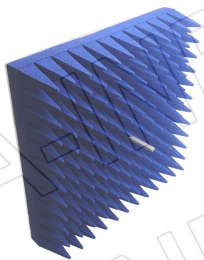
For reference only. See data sheet for the detailed specifications.

Technical Specification

28EWGEK



28EWGEK-A1

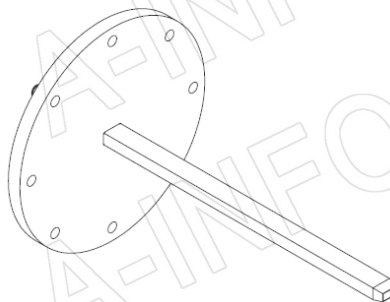
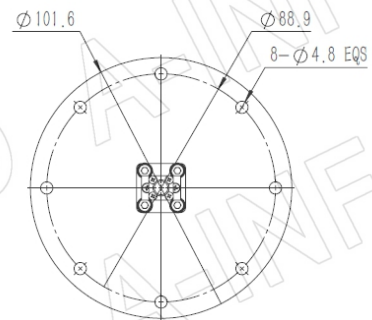
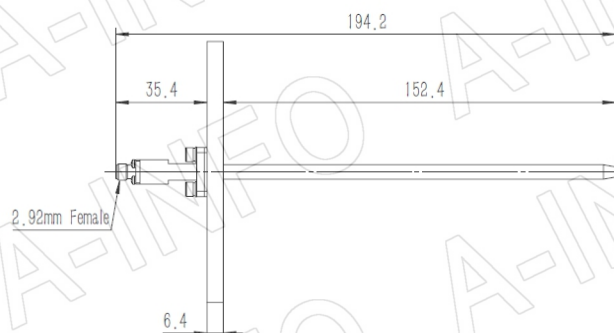


Frequency Range(GHz)	26.5 - 40.0
Waveguide	WR28
Gain(dBi)	5 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 88 Typ.
	H Plane: 58 Typ.
Cross Pol. Isolation(dB)	35 Typ.
VSWR	2.0:1 Typ.
Output	Endlaunch 2.92mm-Female or Endlaunch 2.4mm-Female
Material	Cu
Finish	Gold Plated and Sliver Plated, Gray Paint
Size(mm)	28EWGEx: 101.6 x 101.6 x 194.2
	28EWGEx-A1: 399.6 x 399.6 x 194.2
Net Weight(Kg)	28EWGEx: 0.5 Around
	28EWGEx-A1: 2.75 Around

Outline Drawing (Size: mm)

Endlaunch 2.92mm-Female Output (P/N: 28EWGEK)

For Endlaunch 2.4mm-Female output outline drawing, please contact A-INFO.



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USA : Tel: (+1) 949-639-9688,

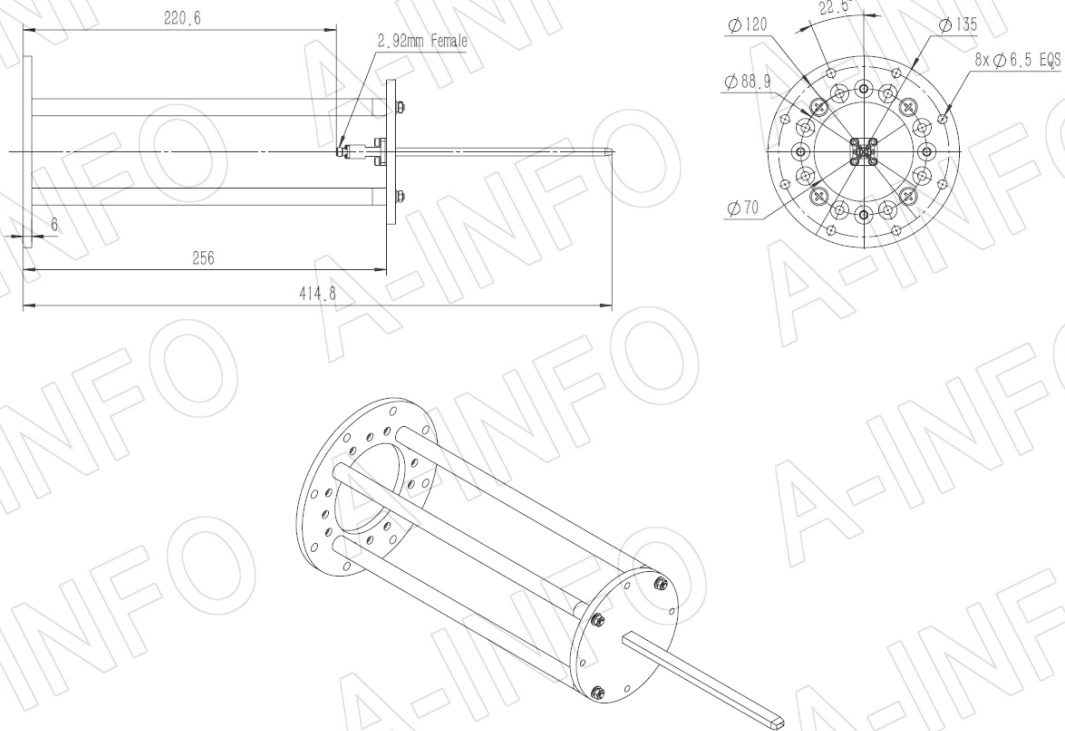
Page 1 of 11

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Email: sales@ainfoinc.com

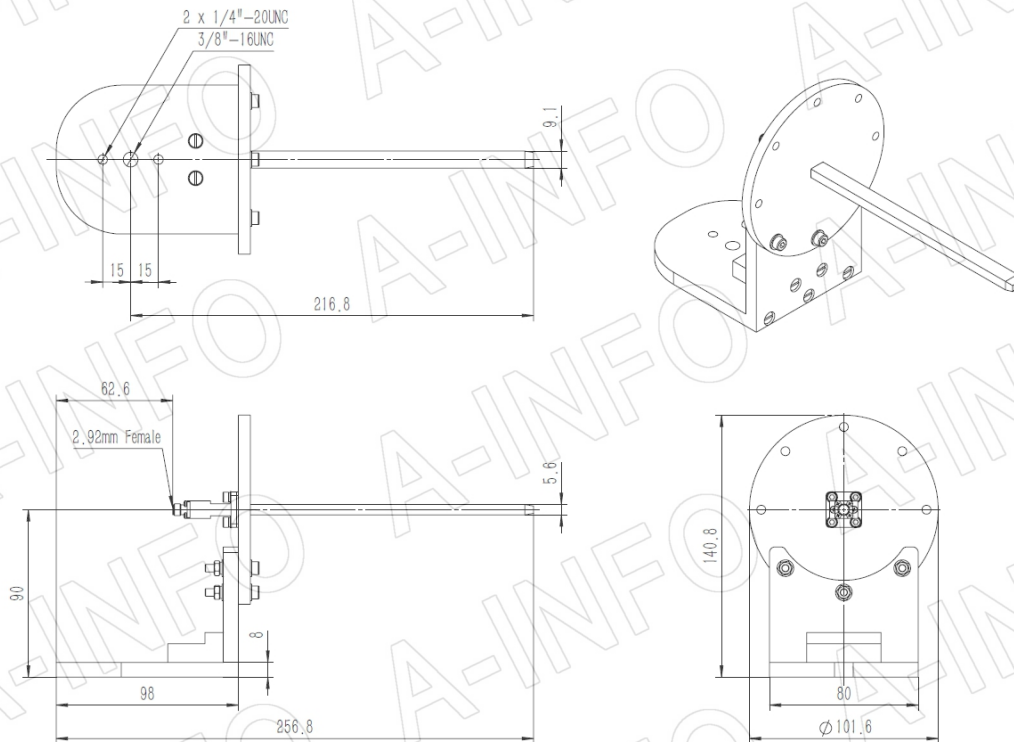
Endlaunch 2.92mm-Female Output with Round Mounting Bracket (Option, P/N: EWG-MB40)

For Endlaunch 2.4mm-Female output outline drawing, please contact A-INFO.



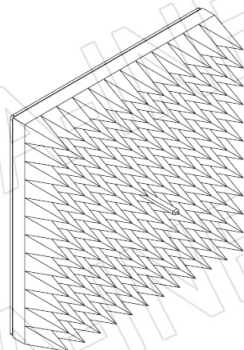
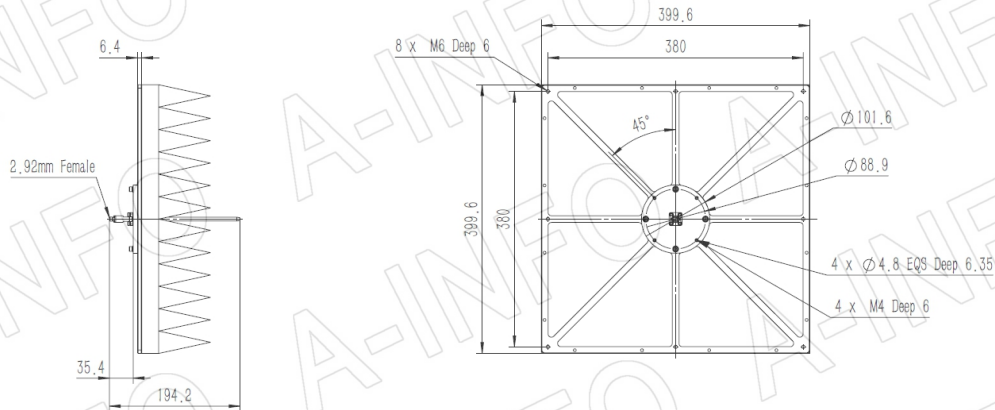
2.92mm-Female Output & L Type Mounting Bracket (Option, P/N: EWG-L30/FRP)

For Endlaunch 2.4mm-Female output outline drawing, please contact A-INFO.



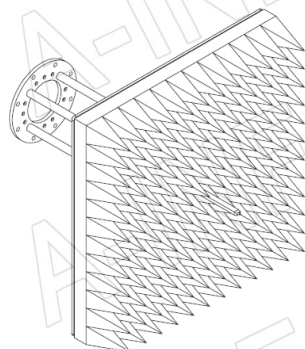
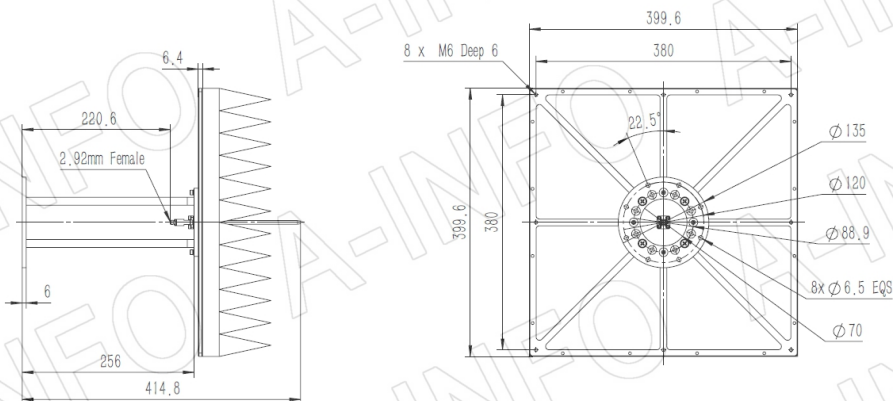
Endlaunch 2.92mm-Female Output, Equipped with Absorber (Option, P/N: 28EWGEK-A1)

For Endlaunch 2.4mm-Female output outline drawing, please contact A-INFO.



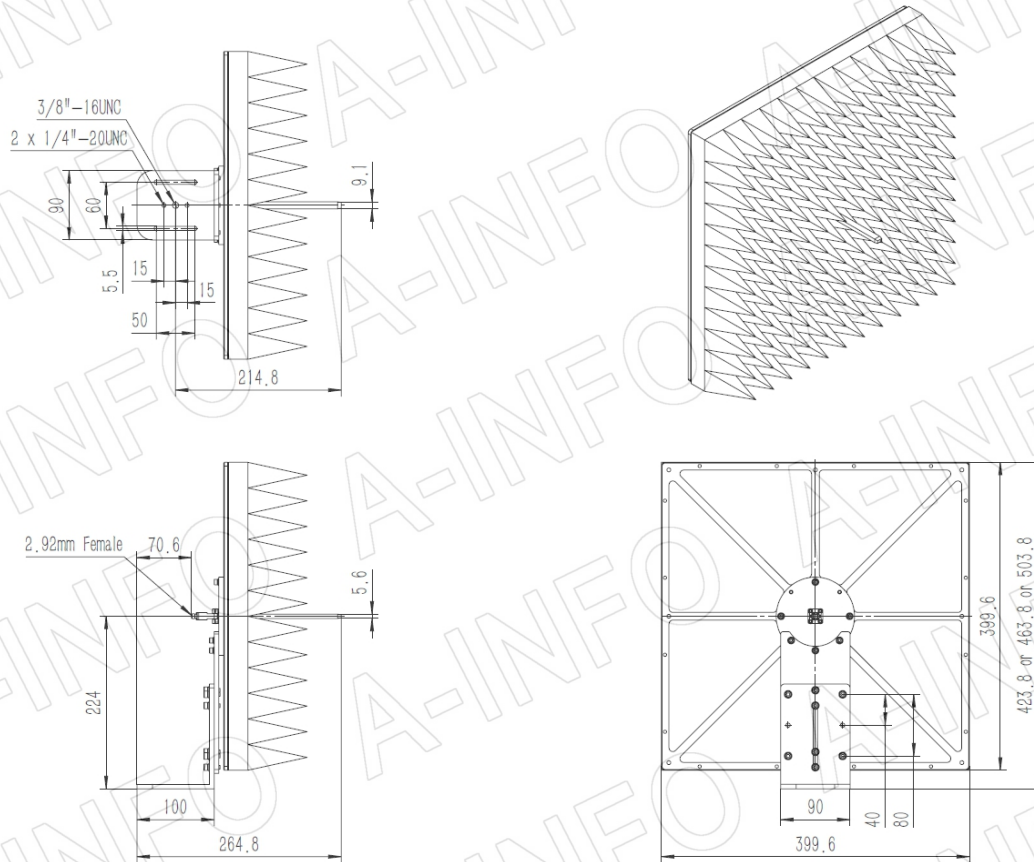
Endlaunch 2.92mm-Female Output with Round Mounting Bracket & Equipped with Absorber (Option, P/N: EWG-MB40 & 28EWGEK-A1)

For Endlaunch 2.4mm-Female output outline drawing, please contact A-INFO.



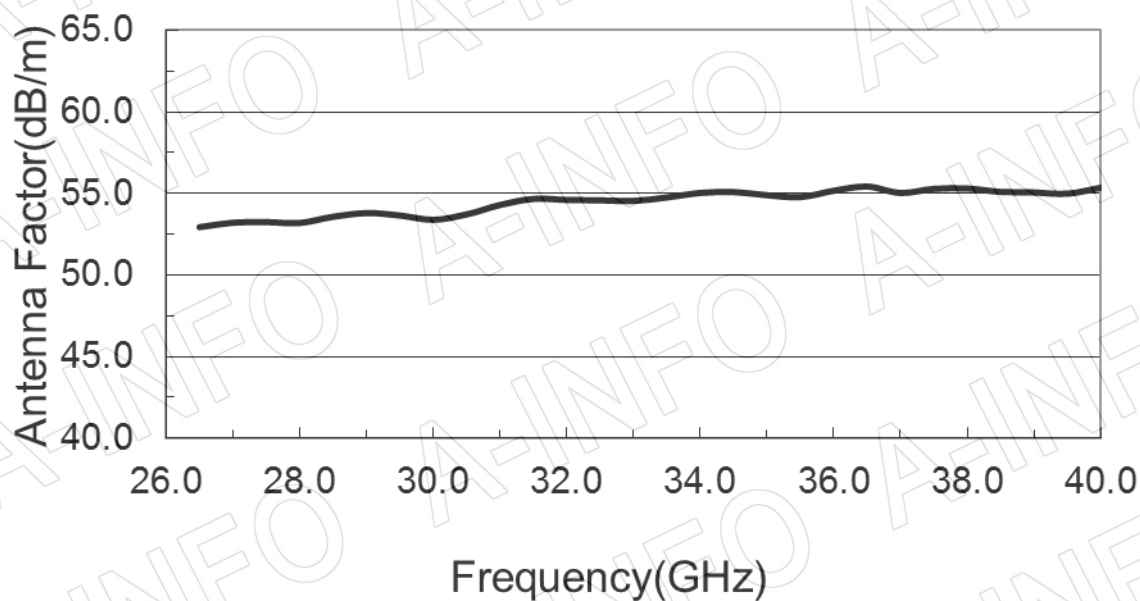
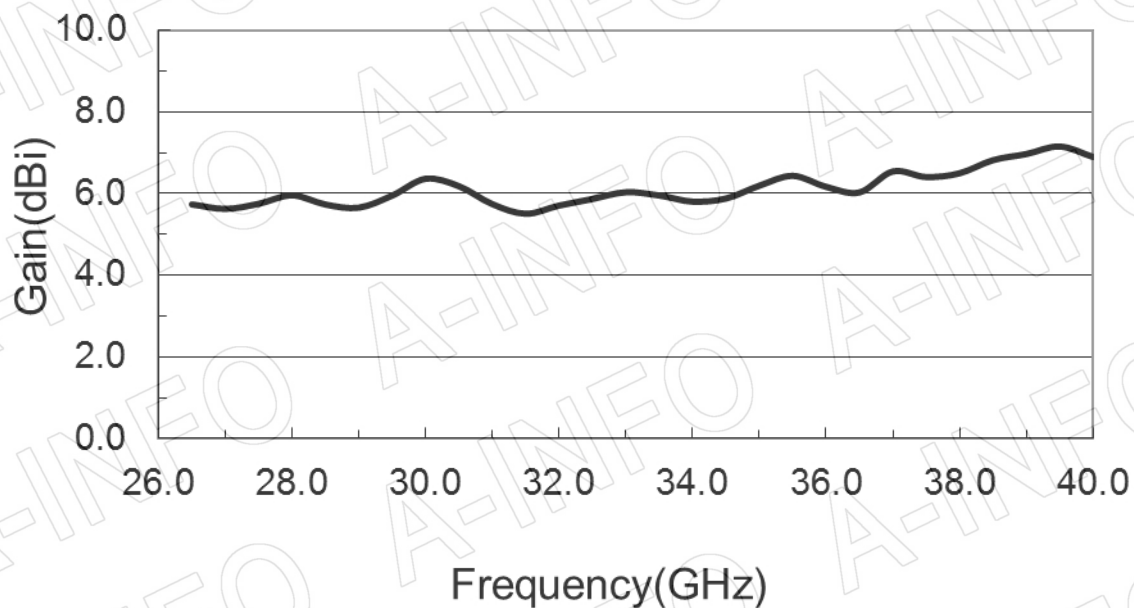
Endlaunch 2.92mm-Female Output with L Type Mounting Bracket & Equipped with Absorber (Option, P/N: EWG-L40 & 28EWGEx-A1)

For Endlaunch 2.4mm-Female output outline drawing, please contact A-INFO.

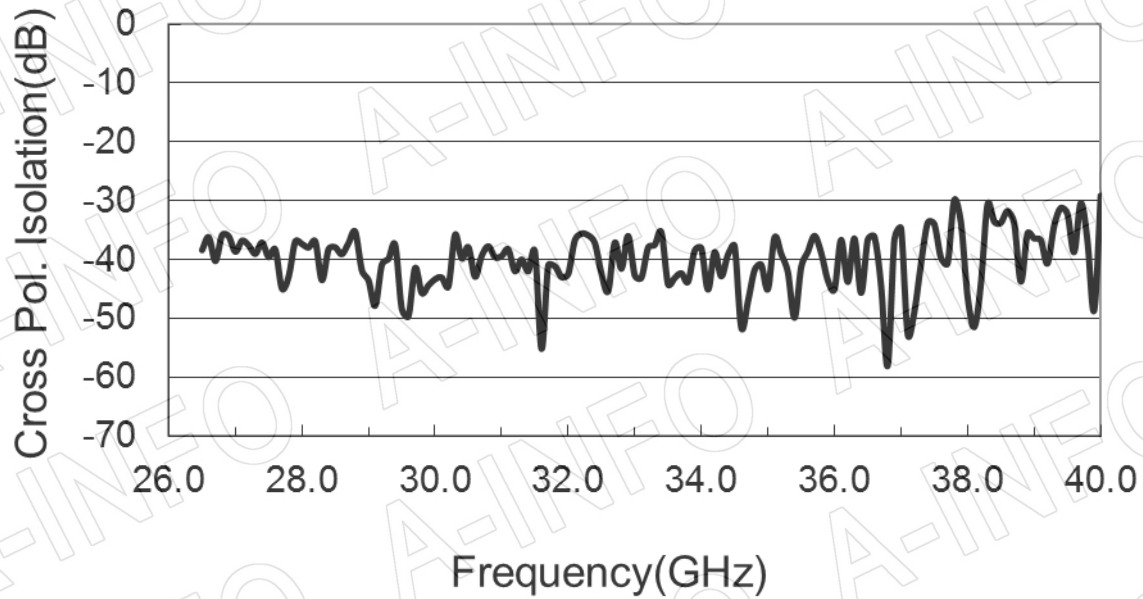


Test Results

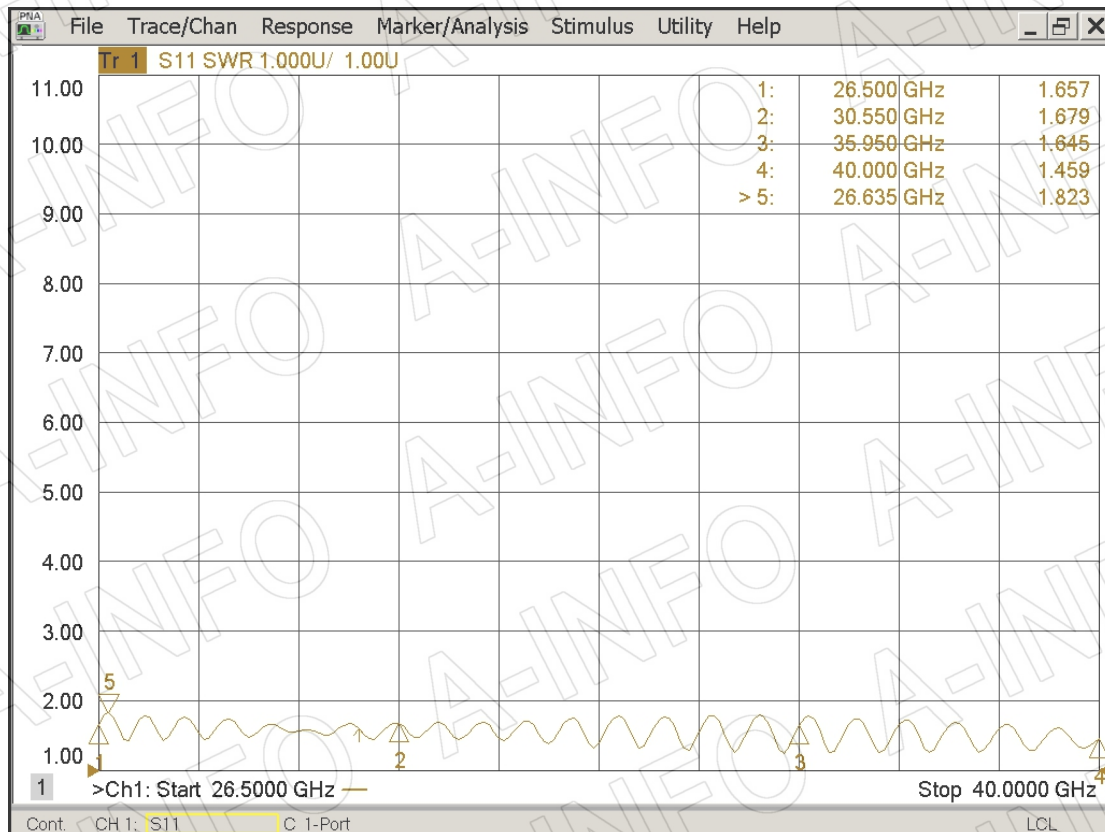
1. Gain & Antenna Factor



2. Cross Polarization Isolation

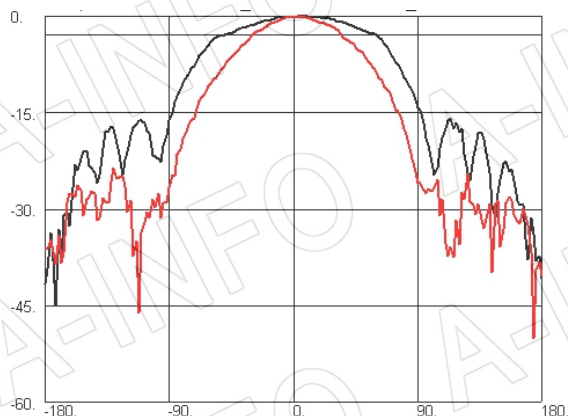


3. VSWR



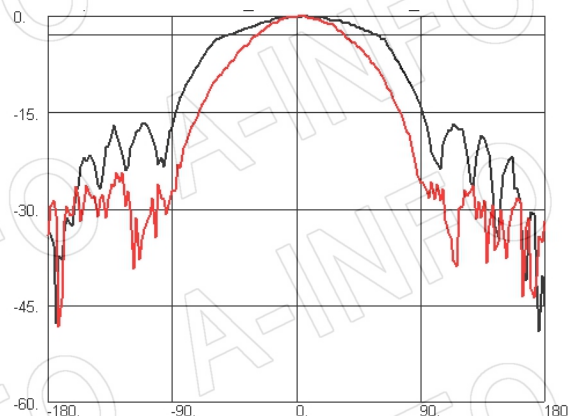
4. Pattern

Frequency: 26.5GHz



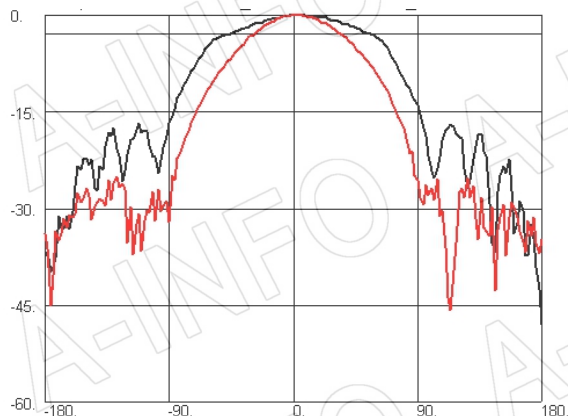
H-Plane — 3dB Beamwidth (deg): 64.49
E-Plane — 3dB Beamwidth (deg): 112.45

Frequency: 27.0GHz



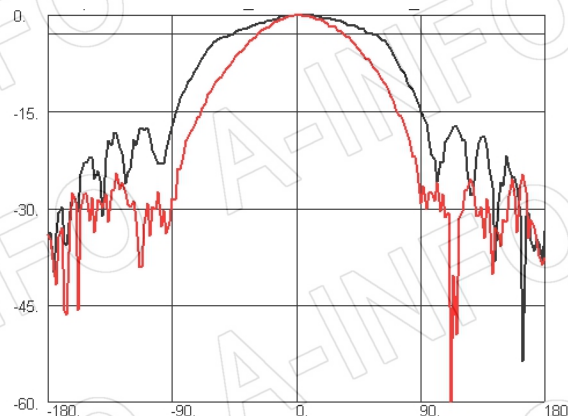
H-Plane — 3dB Beamwidth (deg): 64.21
E-Plane — 3dB Beamwidth (deg): 109.59

Frequency: 27.5GHz



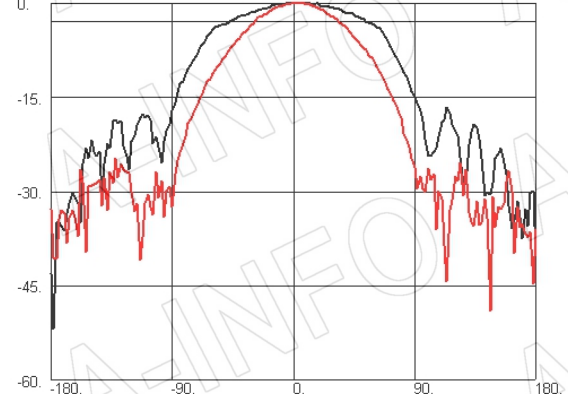
H-Plane — 3dB Beamwidth (deg): 64.34
E-Plane — 3dB Beamwidth (deg): 102.81

Frequency: 28.0GHz



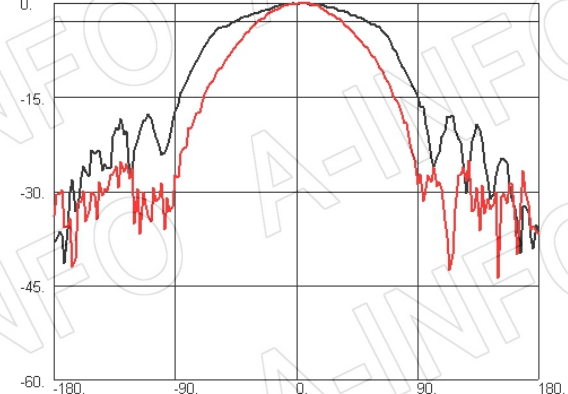
H-Plane — 3dB Beamwidth (deg): 62.66
E-Plane — 3dB Beamwidth (deg): 102.10

Frequency: 28.5GHz



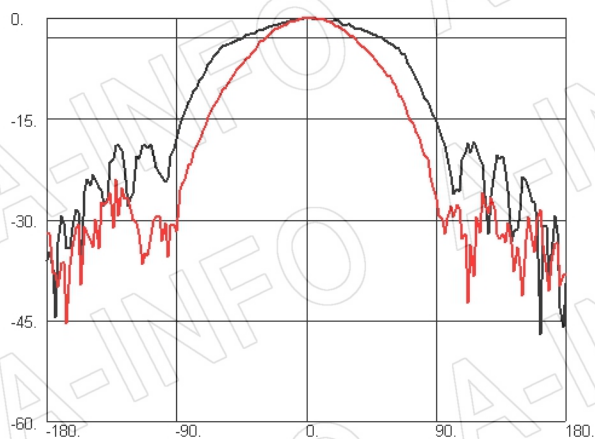
H-Plane — 3dB Beamwidth (deg): 62.81
E-Plane — 3dB Beamwidth (deg): 101.49

Frequency: 29.0GHz



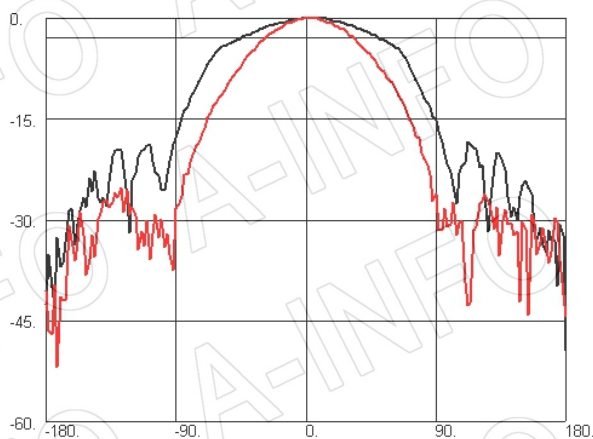
H-Plane — 3dB Beamwidth (deg): 63.52
E-Plane — 3dB Beamwidth (deg): 98.96

Frequency: 29.5GHz



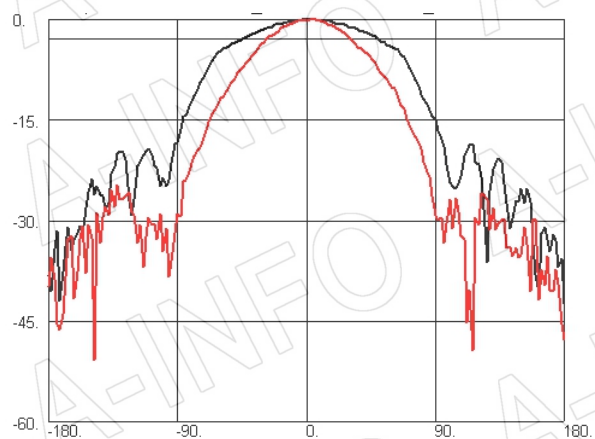
H-Plane — E-Plane —
3dB Beamwidth (deg): 62.03 3dB Beamwidth (deg): 97.36

Frequency: 30.0GHz



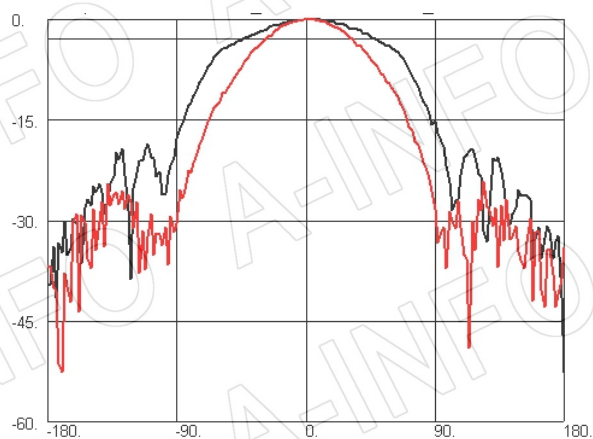
H-Plane — E-Plane —
3dB Beamwidth (deg): 61.15 3dB Beamwidth (deg): 96.39

Frequency: 30.5GHz



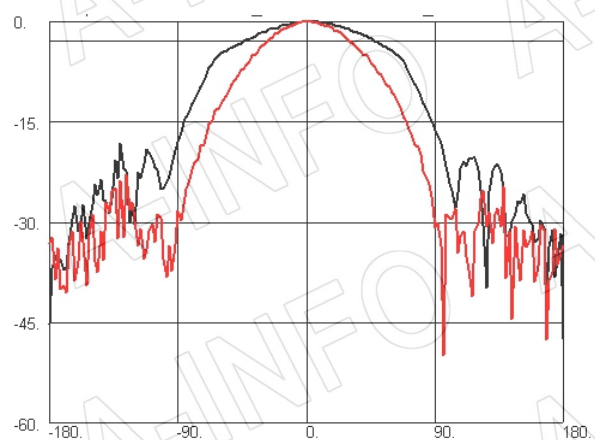
H-Plane — E-Plane —
3dB Beamwidth (deg): 58.97 3dB Beamwidth (deg): 96.30

Frequency: 31.0GHz



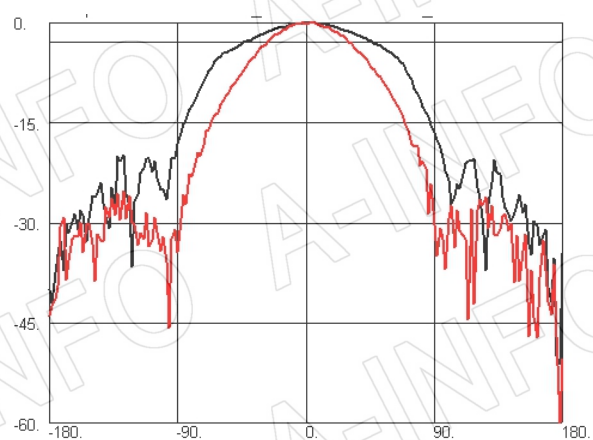
H-Plane — E-Plane —
3dB Beamwidth (deg): 61.03 3dB Beamwidth (deg): 93.33

Frequency: 31.5GHz



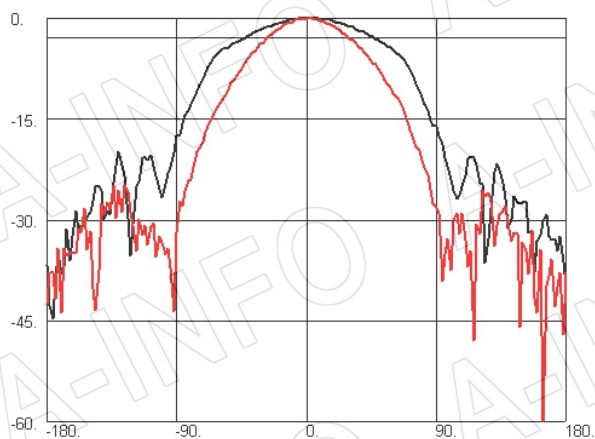
H-Plane — E-Plane —
3dB Beamwidth (deg): 58.04 3dB Beamwidth (deg): 92.25

Frequency: 32.0GHz



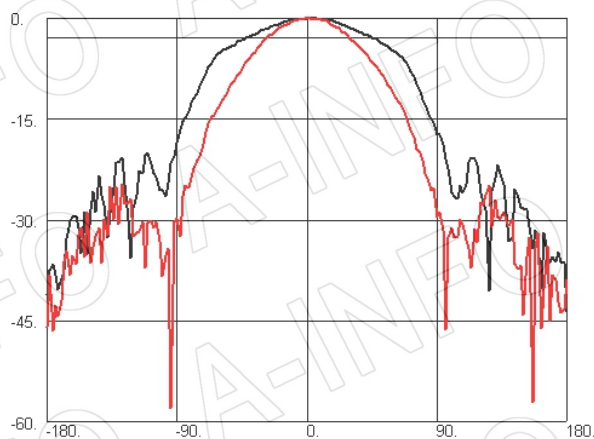
H-Plane — E-Plane —
3dB Beamwidth (deg): 57.98 3dB Beamwidth (deg): 91.09

Frequency: 32.5GHz



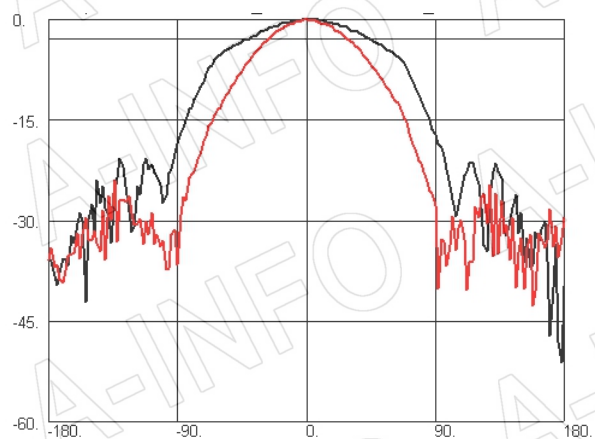
H-Plane — E-Plane —
3dB Beamwidth (deg): 57.45 3dB Beamwidth (deg): 90.61

Frequency: 33.0GHz



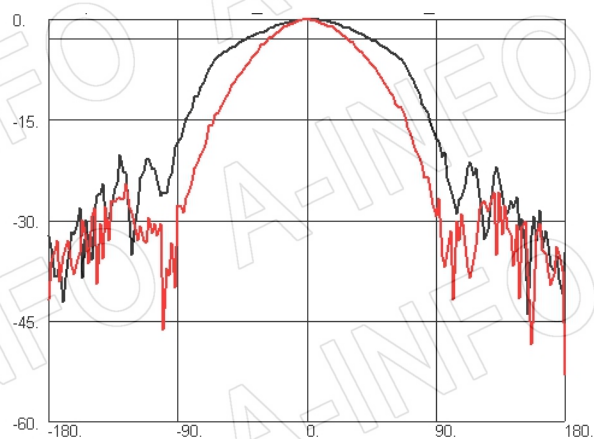
H-Plane — E-Plane —
3dB Beamwidth (deg): 58.05 3dB Beamwidth (deg): 88.03

Frequency: 33.5GHz



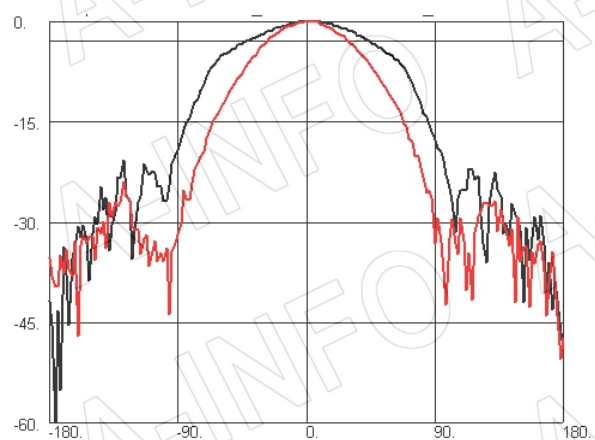
H-Plane — E-Plane —
3dB Beamwidth (deg): 55.78 3dB Beamwidth (deg): 85.76

Frequency: 34.0GHz



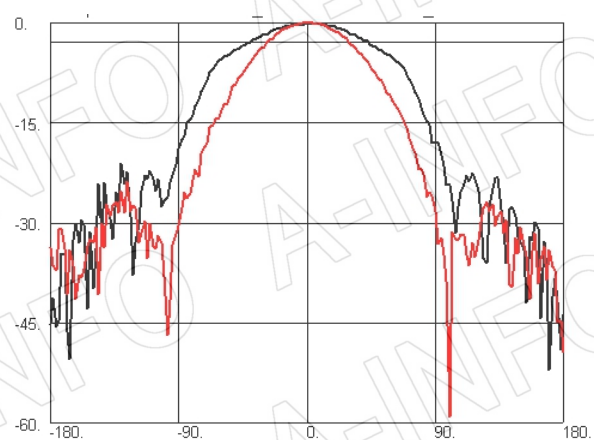
H-Plane — E-Plane —
3dB Beamwidth (deg): 55.52 3dB Beamwidth (deg): 87.15

Frequency: 34.5GHz



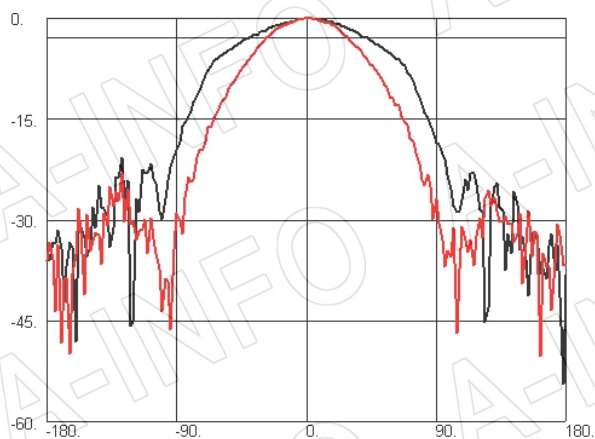
H-Plane — E-Plane —
3dB Beamwidth (deg): 56.77 3dB Beamwidth (deg): 86.98

Frequency: 35.0GHz



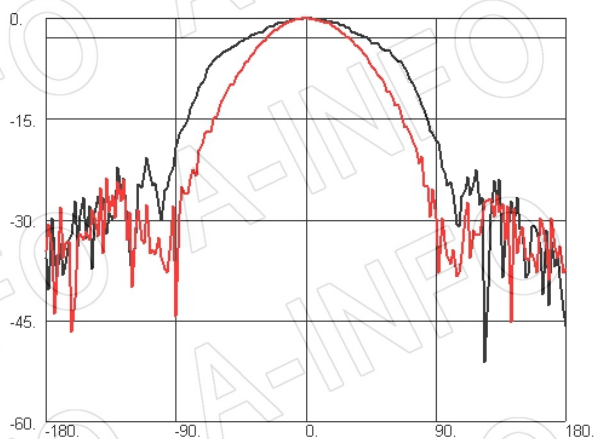
H-Plane — E-Plane —
3dB Beamwidth (deg): 57.68 3dB Beamwidth (deg): 84.83

Frequency: 35.5GHz



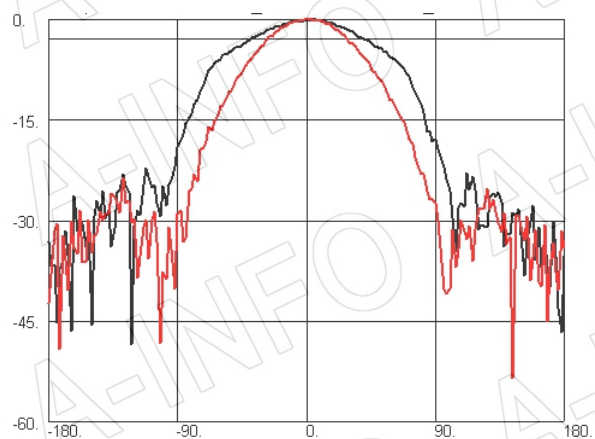
H-Plane — E-Plane —
3dB Beamwidth (deg): 57.12 3dB Beamwidth (deg): 82.97

Frequency: 36.0GHz



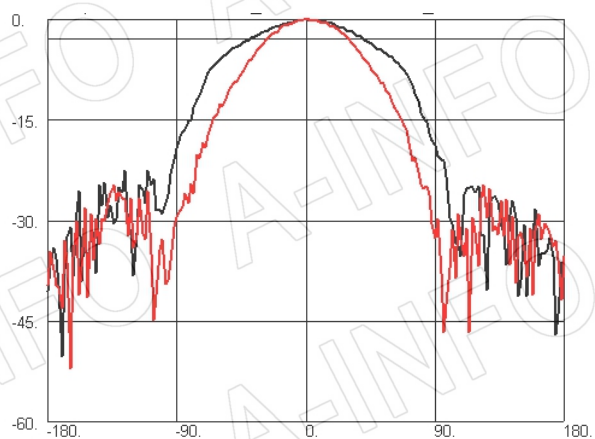
H-Plane — E-Plane —
3dB Beamwidth (deg): 57.15 3dB Beamwidth (deg): 83.30

Frequency: 36.5GHz



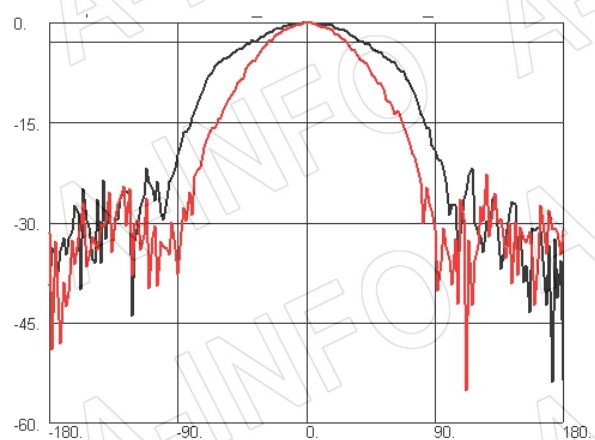
H-Plane — E-Plane —
3dB Beamwidth (deg): 55.43 3dB Beamwidth (deg): 80.15

Frequency: 37.0GHz



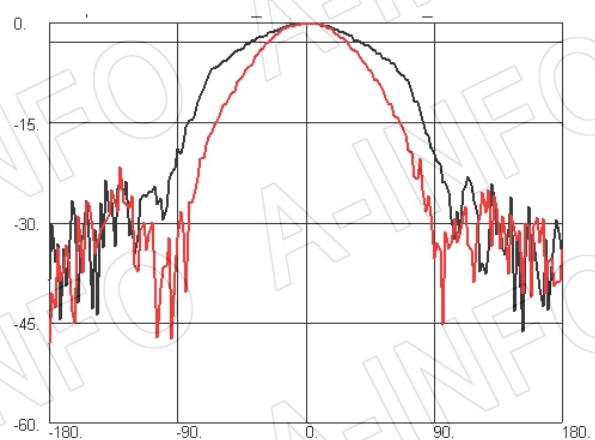
H-Plane — E-Plane —
3dB Beamwidth (deg): 57.68 3dB Beamwidth (deg): 80.04

Frequency: 37.5GHz



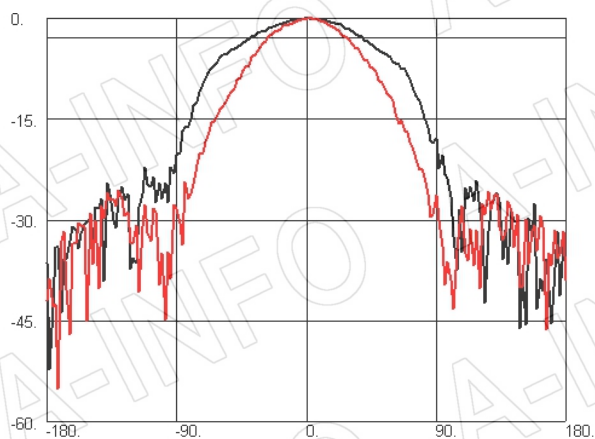
H-Plane — E-Plane —
3dB Beamwidth (deg): 55.22 3dB Beamwidth (deg): 80.23

Frequency: 38.0GHz



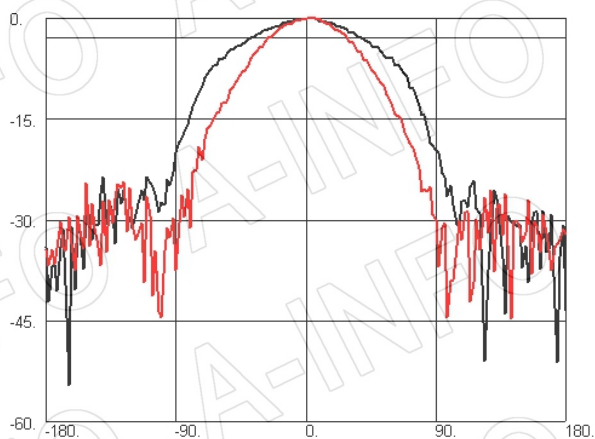
H-Plane — E-Plane —
3dB Beamwidth (deg): 55.25 3dB Beamwidth (deg): 78.59

Frequency: 38.5GHz



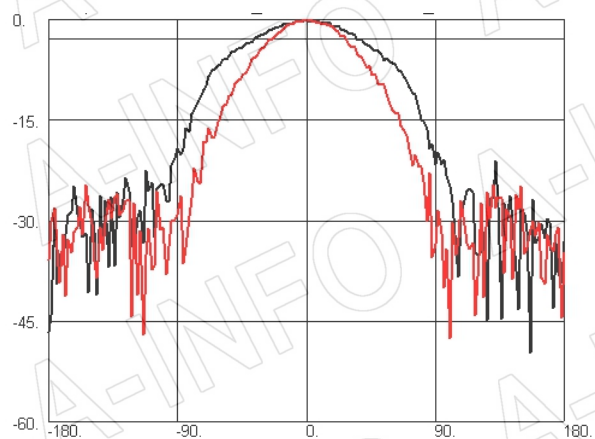
H-Plane — E-Plane —
3dB Beamwidth (deg): 55.25 3dB Beamwidth (deg): 77.95

Frequency: 39.0GHz



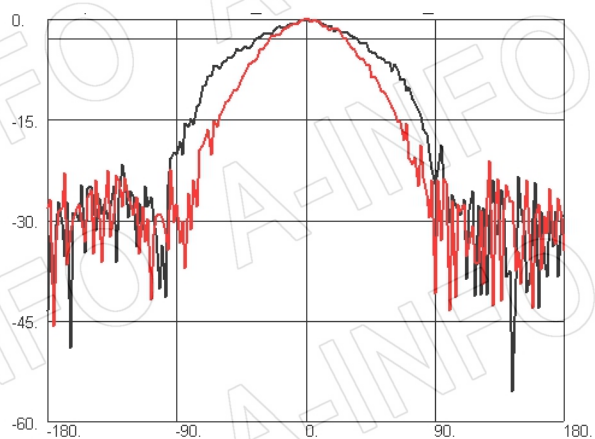
H-Plane — E-Plane —
3dB Beamwidth (deg): 54.97 3dB Beamwidth (deg): 77.46

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