

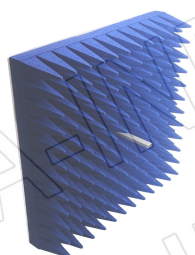
For reference only. See data sheet for the detailed specifications.

Technical Specification

42EWGES



42EWGES-A1

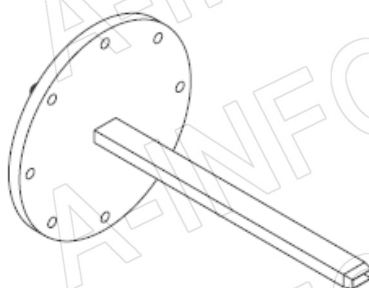
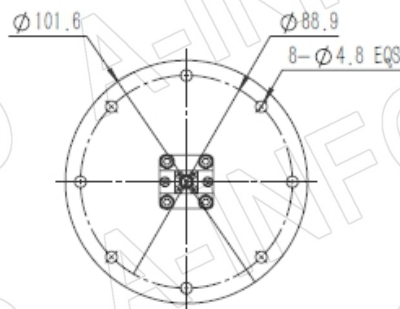
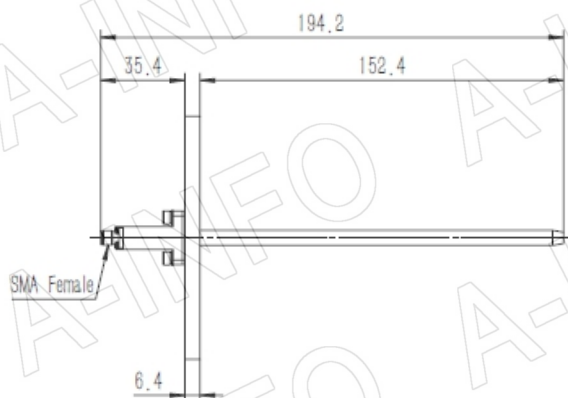


Frequency Range(GHz)	18.0 – 26.5
Waveguide	WR42
Gain(dBi)	5 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 106 Typ.
	H Plane: 56 Typ.
Cross Pol. Isolation(dB)	35 Typ.
VSWR	2.0:1 Typ.
Output	Endlaunch SMA-Female or Endlaunch 2.92mm-Female
Material	Cu
Finish	Gold Plated and Sliver Plated, Gray Paint
Size(mm)	42EWGEx: 101.6 x 101.6 x 194.2
	42EWGEx-A1: 399.6 x 399.6 x 194.2
Net Weight(Kg)	42EWGEx: 0.5 Around
	42EWGEx-A1: 2.75 Around

Outline Drawing (Size: mm)

Endlaunch SMA-Female Output (P/N: 42EWGES)

For Endlaunch 2.92mm-Female output outline drawing, please contact A-INFO.



AINFO Inc.

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(+86) 10-6266-7327
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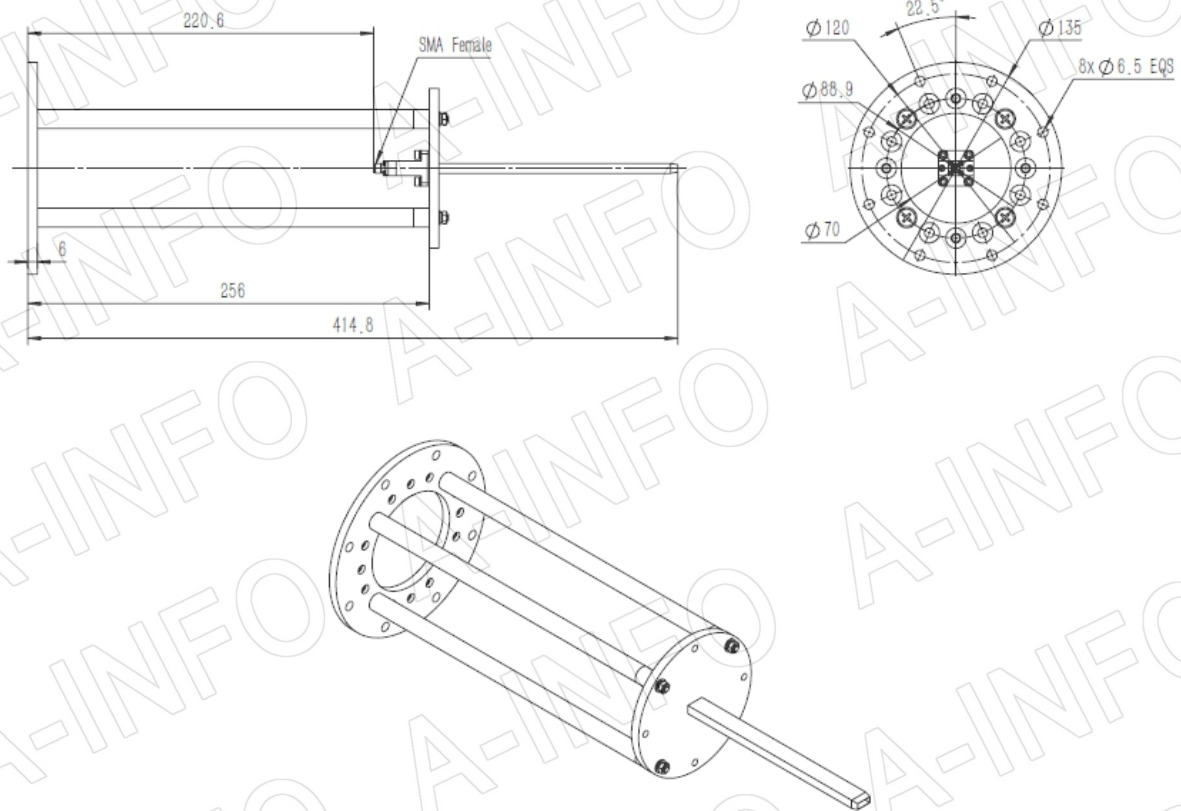
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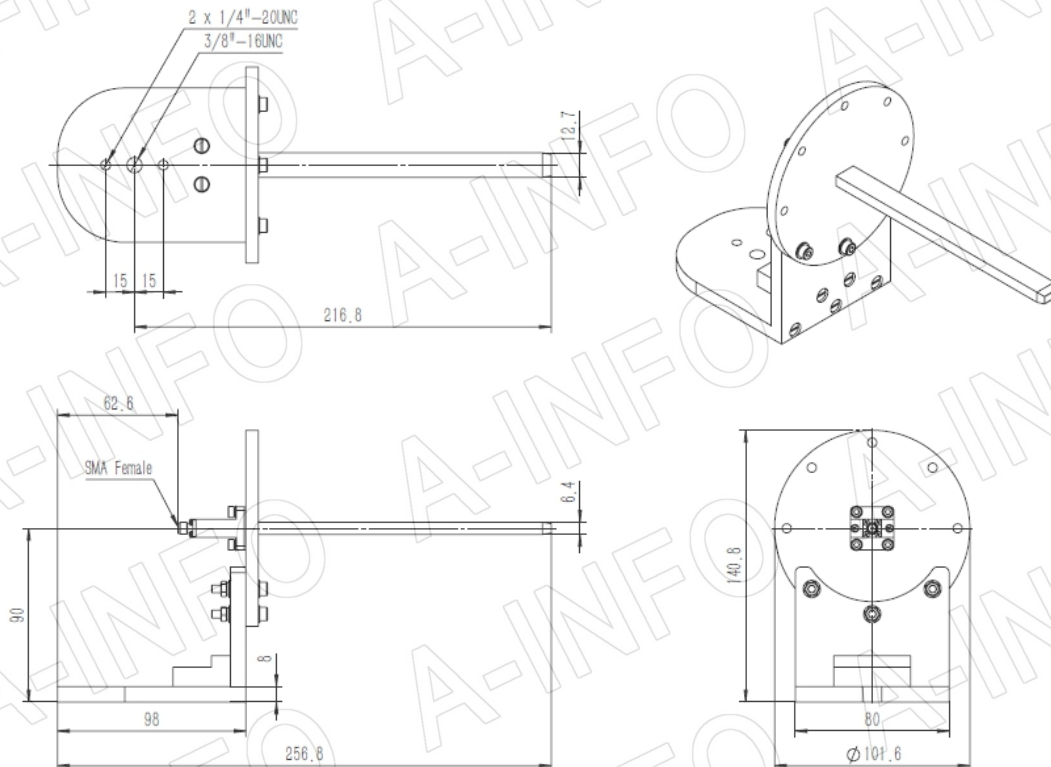
Endlaunch SMA-Female Output with Round Mounting Bracket (Option, P/N: EWG-MB40)

For Endlaunch 2.92mm-Female output outline drawing, please contact A-INFO.



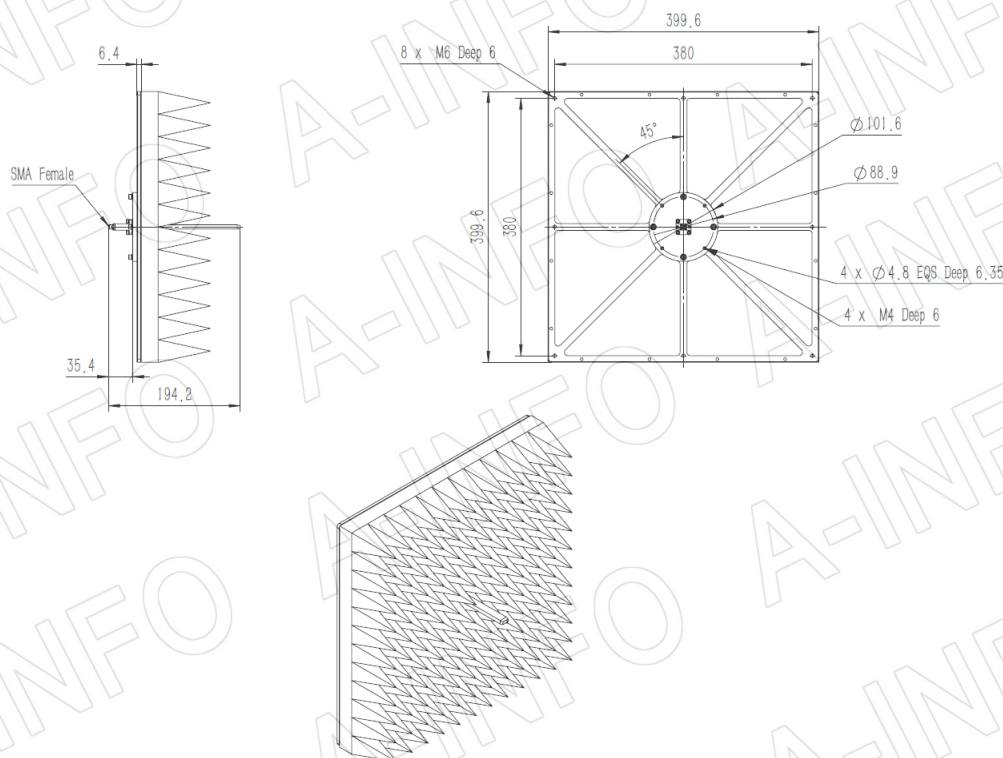
Endlaunch SMA-Female Output with L Type Mounting Bracket (Option, P/N: EWG-L30/FRP)

For Endlaunch 2.92mm-Female output outline drawing, please contact A-INFO.



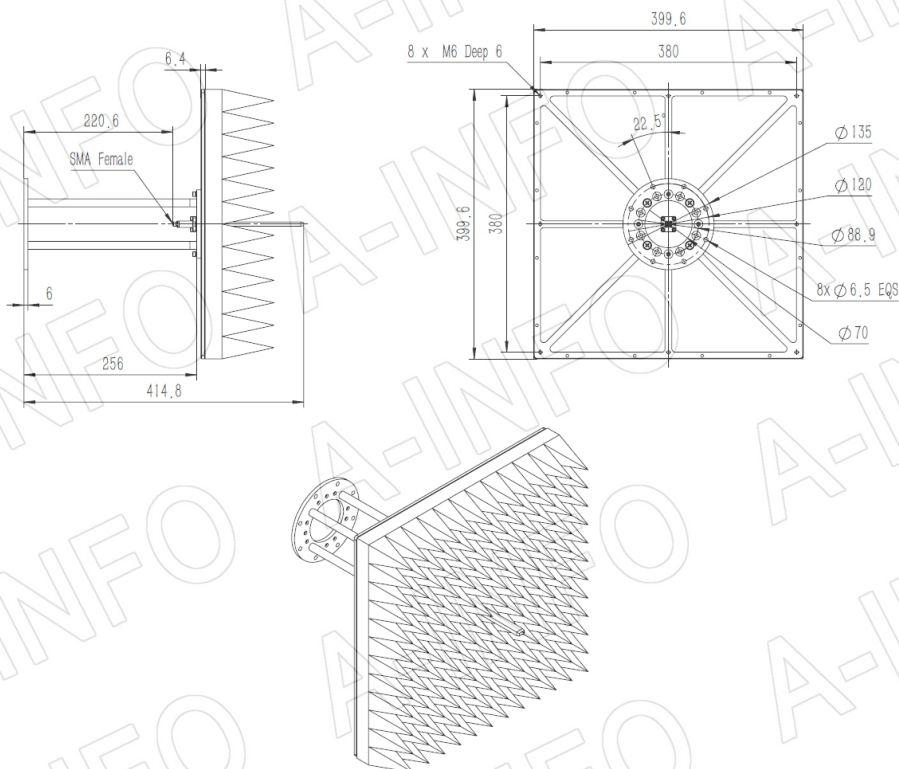
Endlaunch SMA-Female Output, Equipped with Absorber (Option, P/N: 42EWGES-A1)

For Endlaunch 2.92mm-Female output outline drawing, please contact A-INFO.



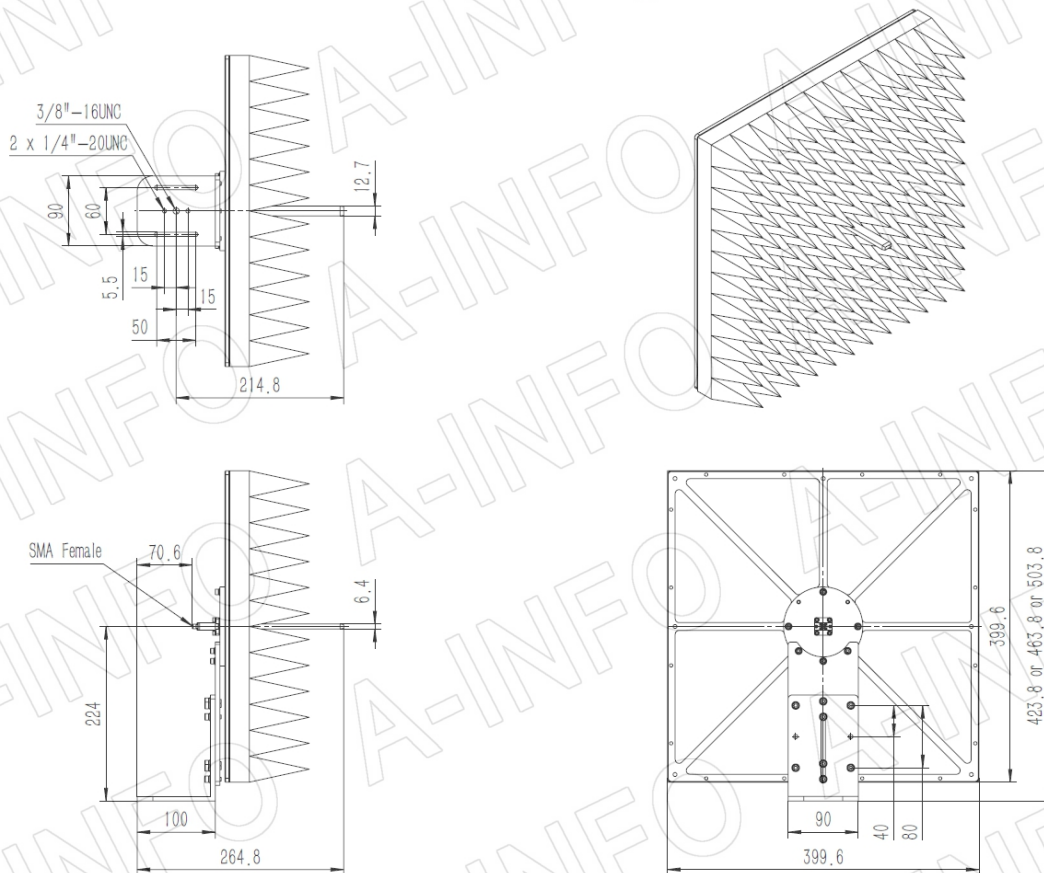
Endlaunch SMA-Female Output with Round Mounting Bracket, Equipped with Absorber (Option, P/N: EWG-MB40 & 42EWGES-A1)

For Endlaunch 2.92mm-Female output outline drawing, please contact A-INFO.



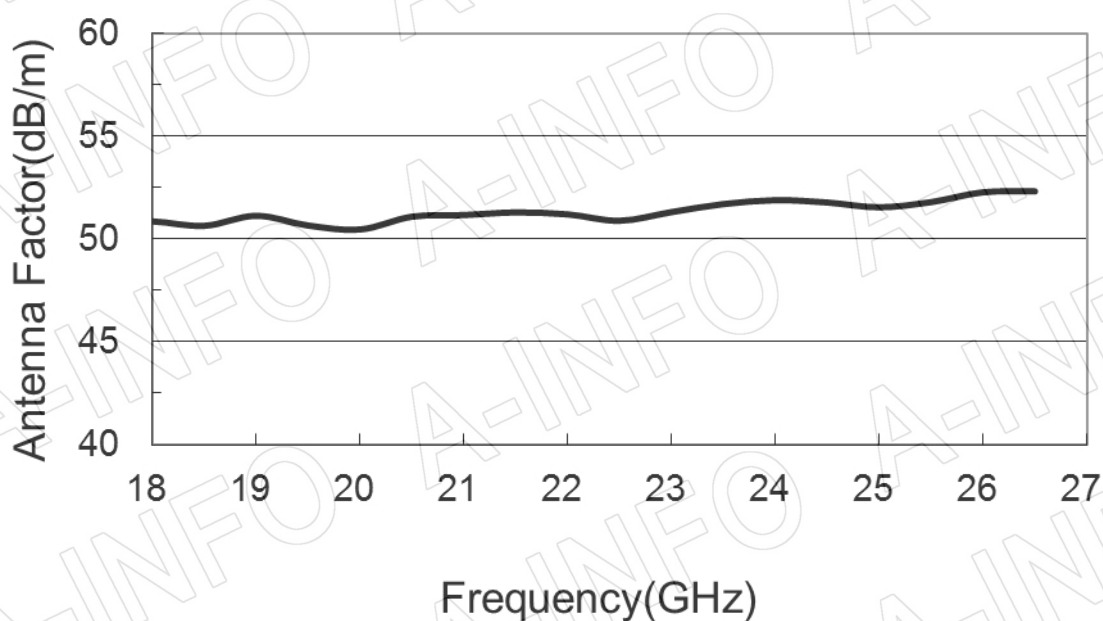
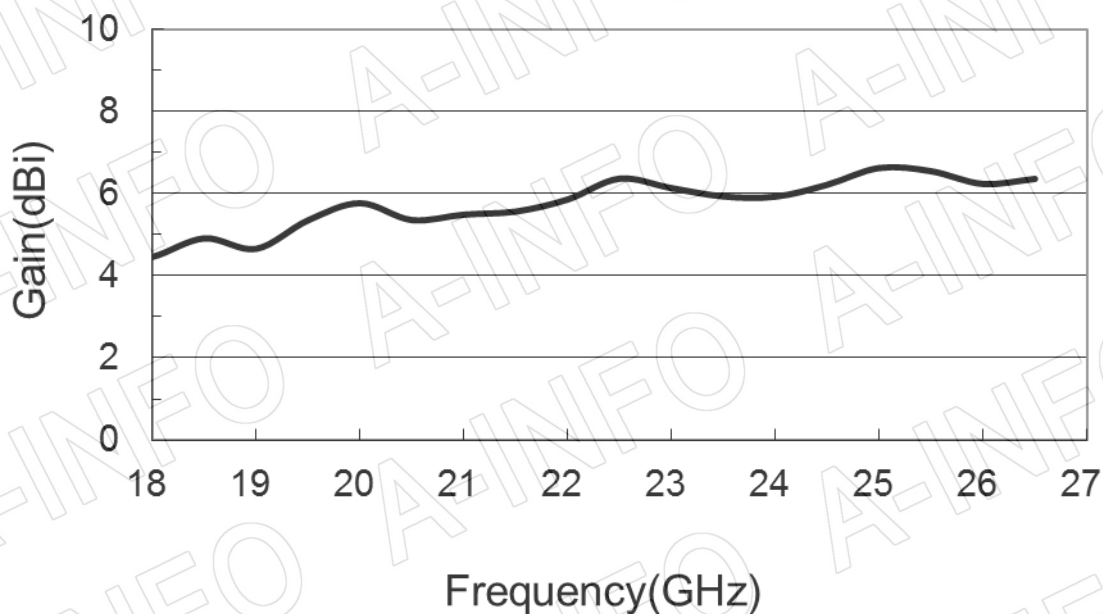
Endlaunch SMA-Female Output with L Type Mounting Bracket, Equipped with Absorber (Option, P/N: EWG-L40 & 42EWGES-A1)

For Endlaunch 2.92mm-Female output outline drawing, please contact A-INFO.

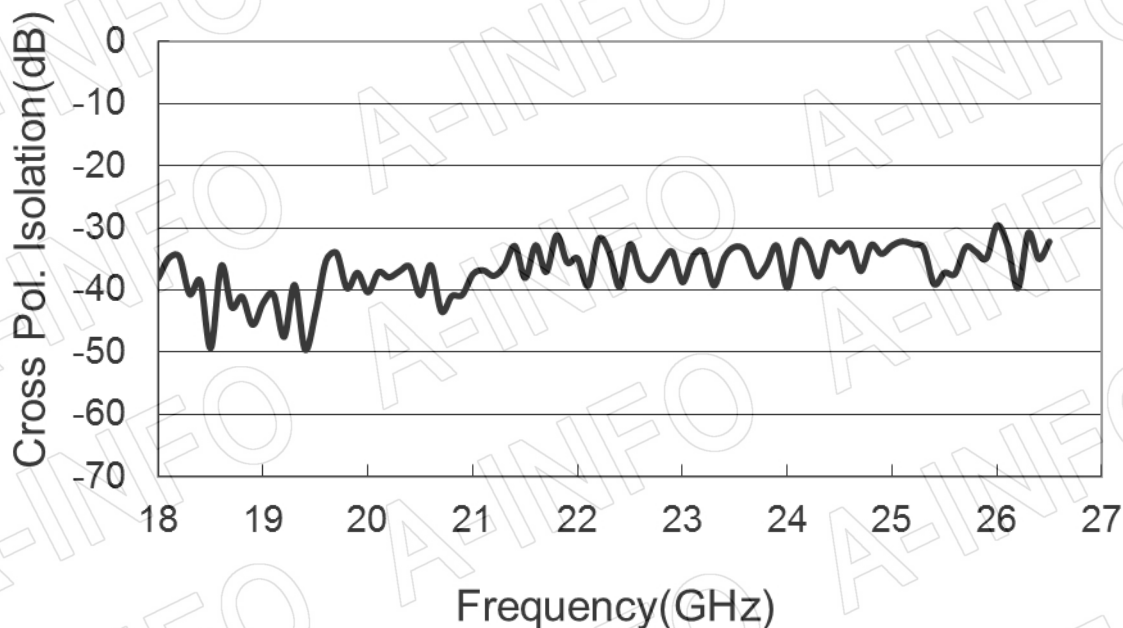


Test Results

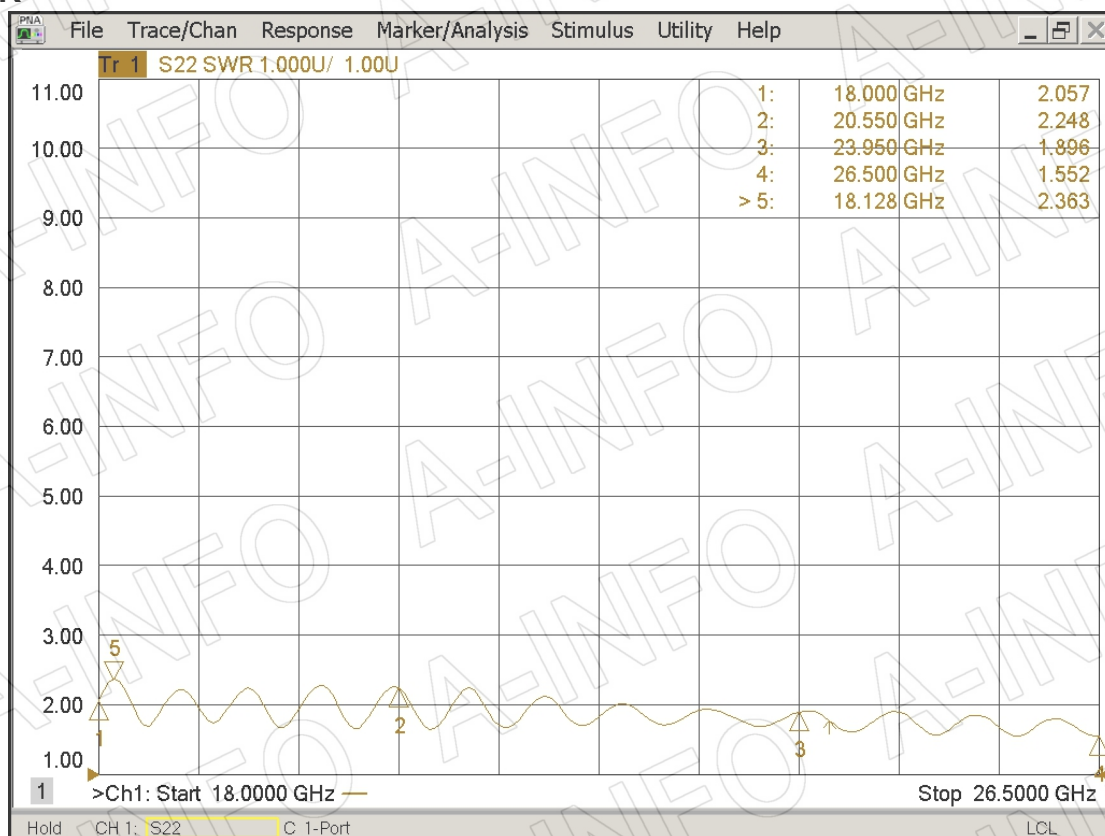
1. Gain & Antenna Factor



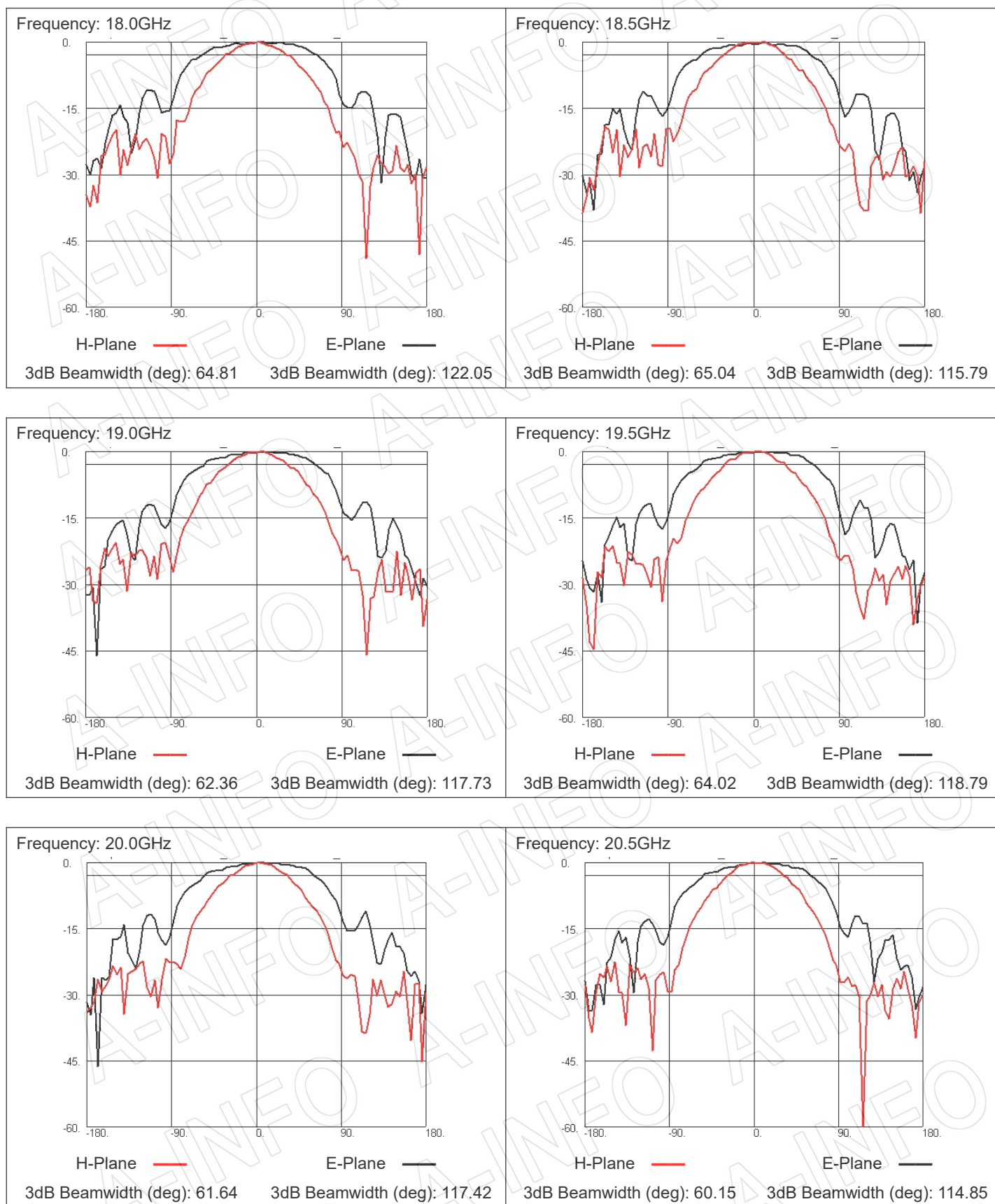
2. Cross Polarization Isolation



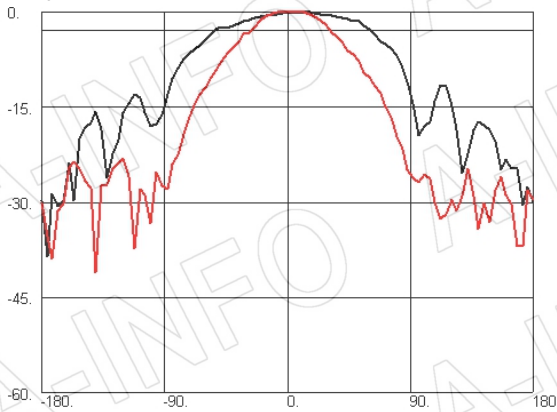
3. VSWR



4. Pattern

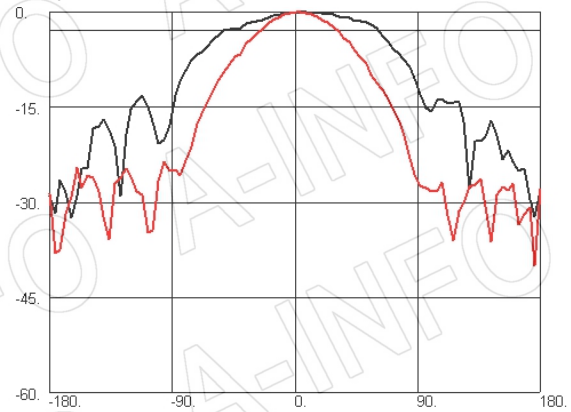


Frequency: 21.0GHz



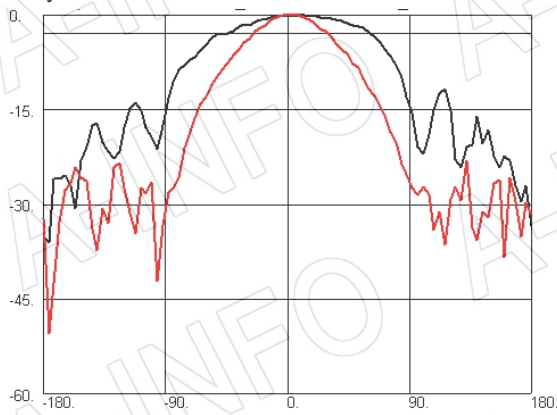
H-Plane — E-Plane —
3dB Beamwidth (deg): 58.29 3dB Beamwidth (deg): 115.02

Frequency: 21.5GHz



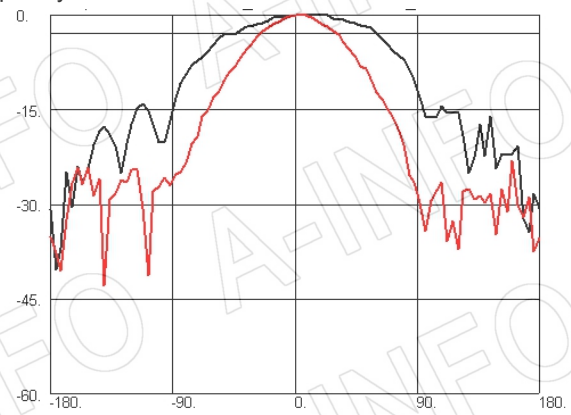
H-Plane — E-Plane —
3dB Beamwidth (deg): 57.10 3dB Beamwidth (deg): 113.21

Frequency: 22.0GHz



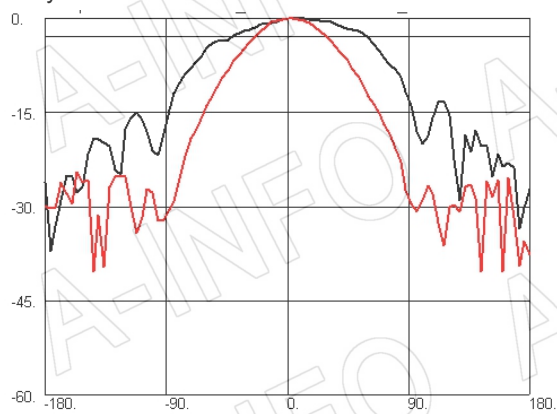
H-Plane — E-Plane —
3dB Beamwidth (deg): 55.54 3dB Beamwidth (deg): 108.26

Frequency: 22.5GHz



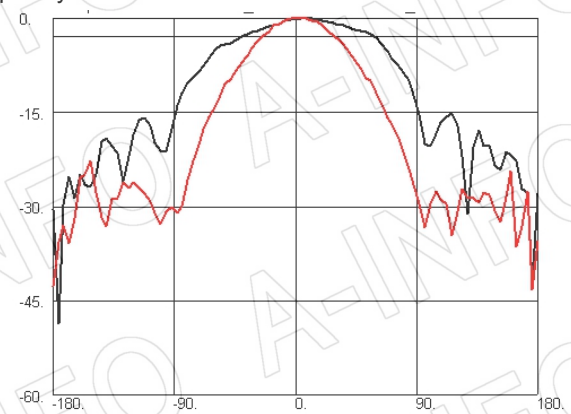
H-Plane — E-Plane —
3dB Beamwidth (deg): 57.00 3dB Beamwidth (deg): 104.14

Frequency: 23.0GHz



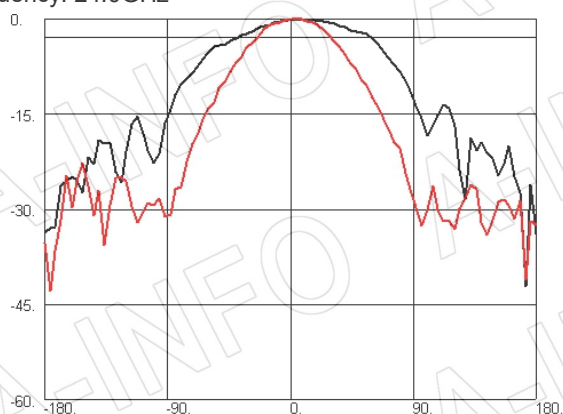
H-Plane — E-Plane —
3dB Beamwidth (deg): 53.91 3dB Beamwidth (deg): 101.33

Frequency: 23.5GHz



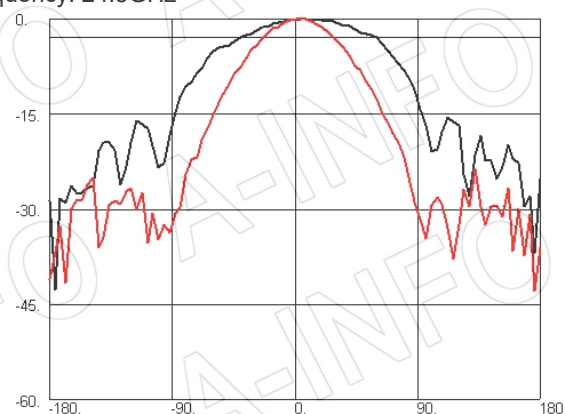
H-Plane — E-Plane —
3dB Beamwidth (deg): 54.89 3dB Beamwidth (deg): 99.95

Frequency: 24.0GHz



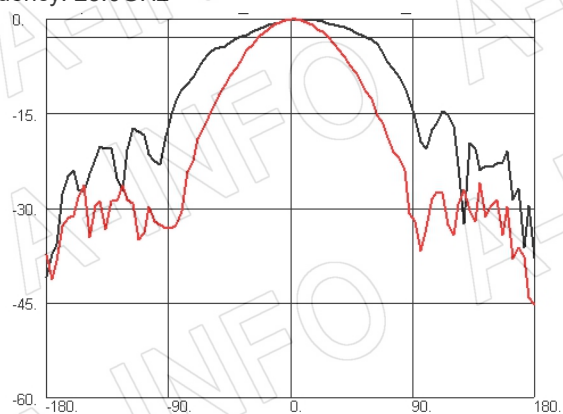
H-Plane — E-Plane —
3dB Beamwidth (deg): 54.19 3dB Beamwidth (deg): 99.64

Frequency: 24.5GHz



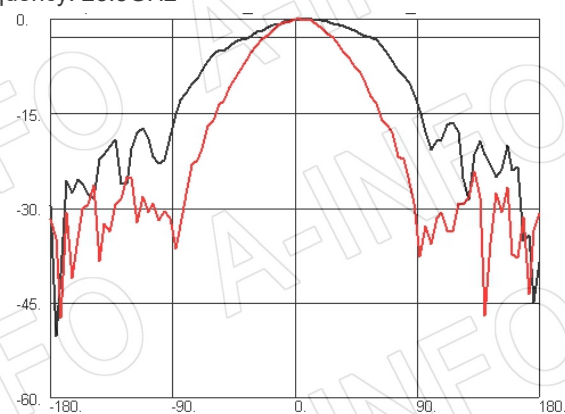
H-Plane — E-Plane —
3dB Beamwidth (deg): 52.19 3dB Beamwidth (deg): 101.08

Frequency: 25.0GHz



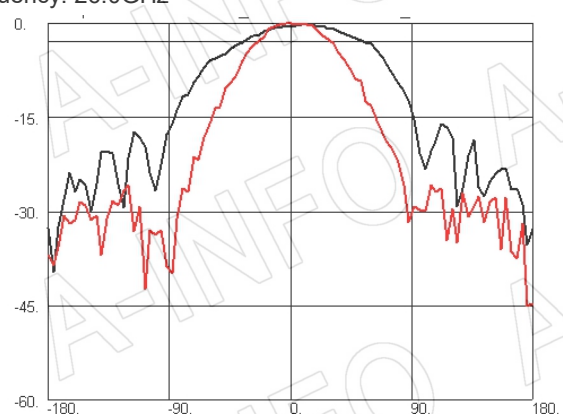
H-Plane — E-Plane —
3dB Beamwidth (deg): 52.84 3dB Beamwidth (deg): 96.35

Frequency: 25.5GHz



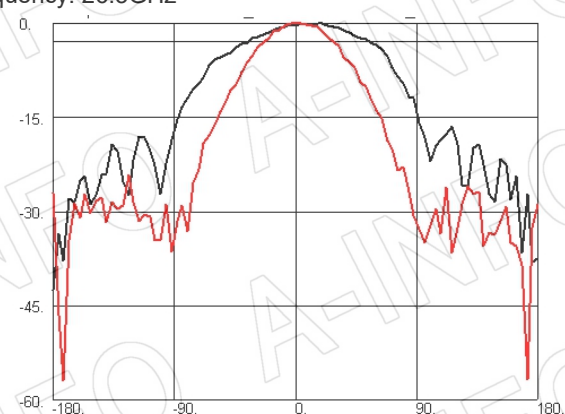
H-Plane — E-Plane —
3dB Beamwidth (deg): 51.14 3dB Beamwidth (deg): 92.51

Frequency: 26.0GHz



H-Plane — E-Plane —
3dB Beamwidth (deg): 55.43 3dB Beamwidth (deg): 90.08

Frequency: 26.5GHz



H-Plane — E-Plane —
3dB Beamwidth (deg): 51.72 3dB Beamwidth (deg): 90.47