

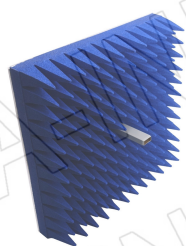
For reference only. See data sheet for the detailed specifications.

Technical Specification

90EWGES



90EWGES-A1

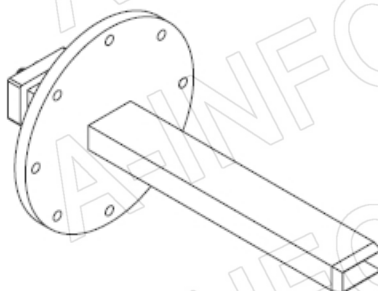
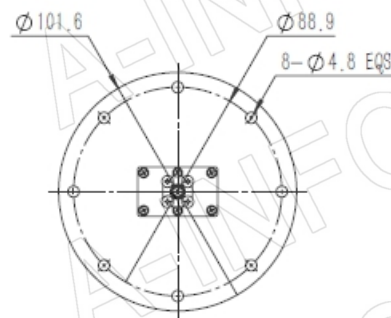
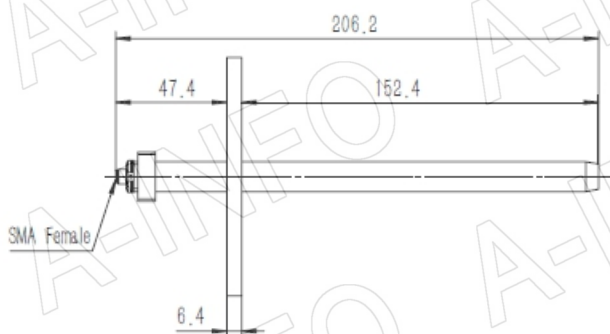


Frequency Range(GHz)	8.2 – 12.4
Waveguide	WR90
Gain(dBi)	5 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 83 Typ.
	H Plane: 47 Typ.
Cross Pol. Isolation(dB)	30 Typ.
VSWR	2.0:1 Typ.
Output	Endlaunch SMA-Female or Endlaunch N-Female
Material	Al
Finish	Chemical Conversion Coating, Gray Paint
Size(mm)	90EWGEx: 101.6 x 101.6 x 206.2
	90EWGEx-A1: 399.6 x 399.6 x 206.2
Net Weight(Kg)	90EWGEx: 0.20 Around
	90EWGEx-A1: 2.45 Around

Outline Drawing (Size: mm)

Endlaunch SMA-Female Output (P/N: 90EWGES)

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



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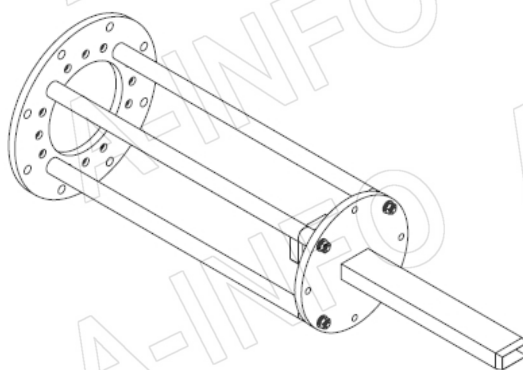
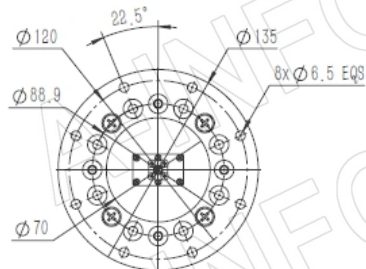
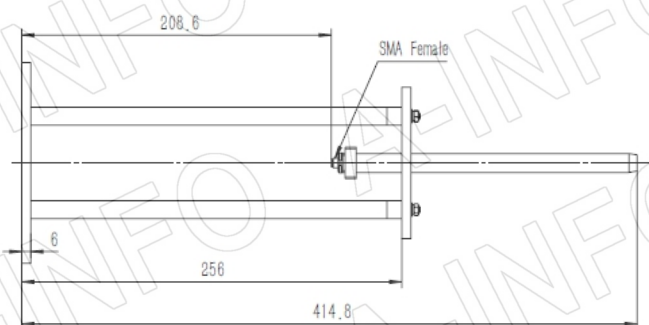
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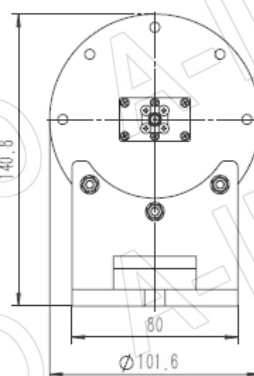
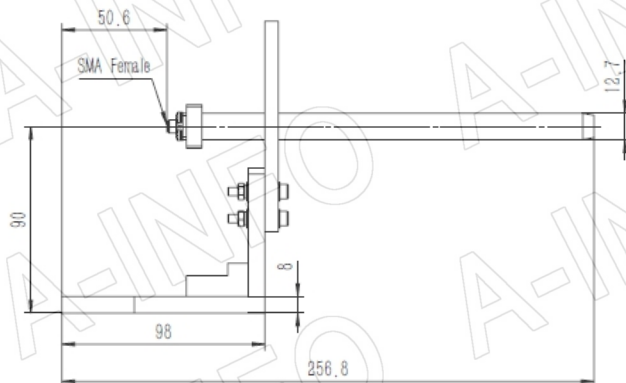
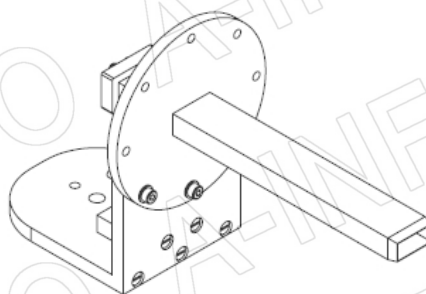
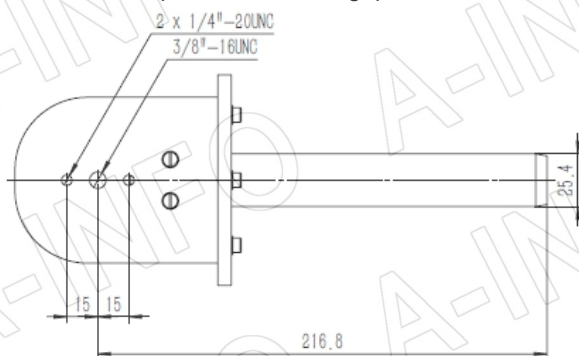
Endlaunch SMA-Female Output with Round Mounting Bracket (Option, P/N: EWG-MB40)

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



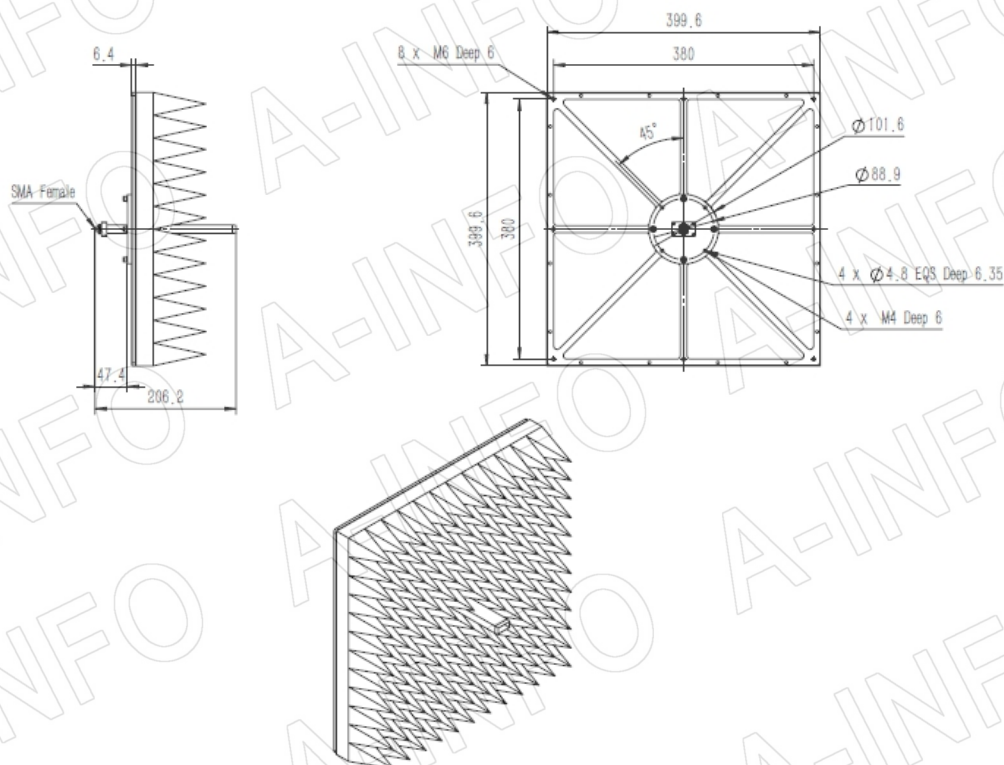
Endlaunch SMA-Female Output with L Type Mounting Bracket (Option, P/N: EWG-L30/FRP)

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



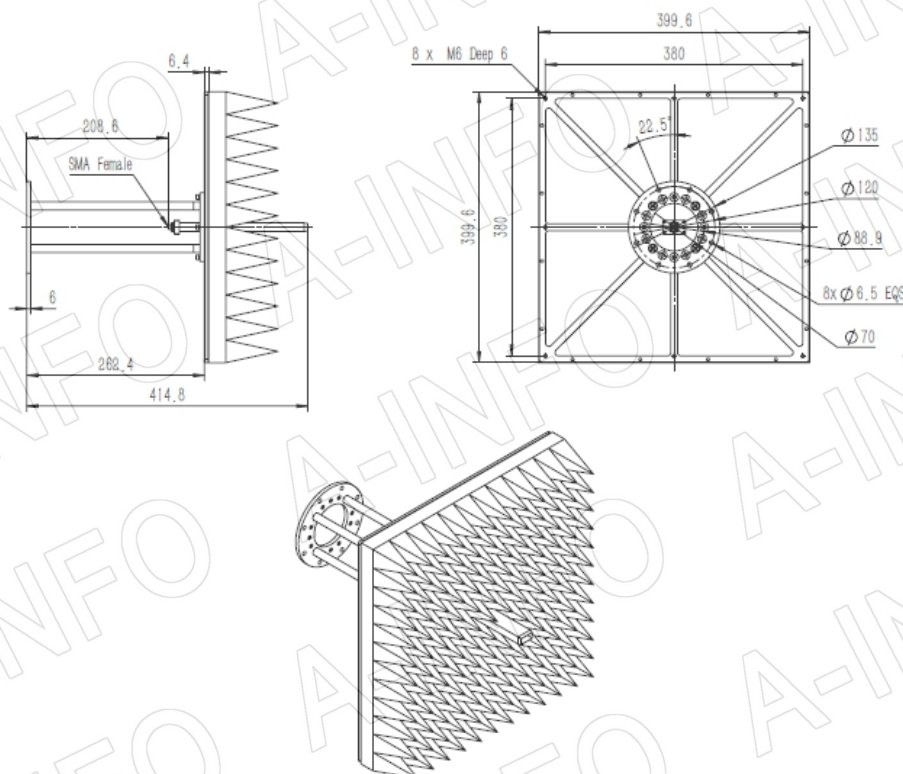
Endlaunch SMA-Female Output, Equipped with Absorber (Option, P/N: 90EWGES-A1)

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



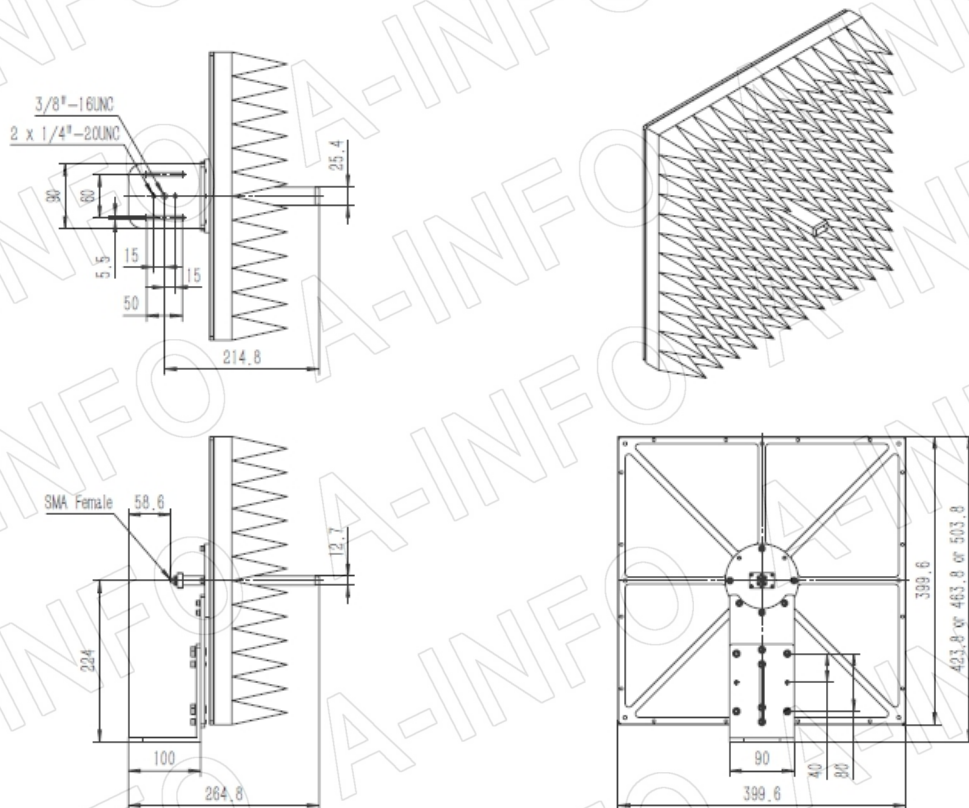
Endlaunch SMA-Female Output with Round Mounting Bracket, Equipped with Absorber (Option, P/N: EWG-MB40 & 90EWGES-A1)

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



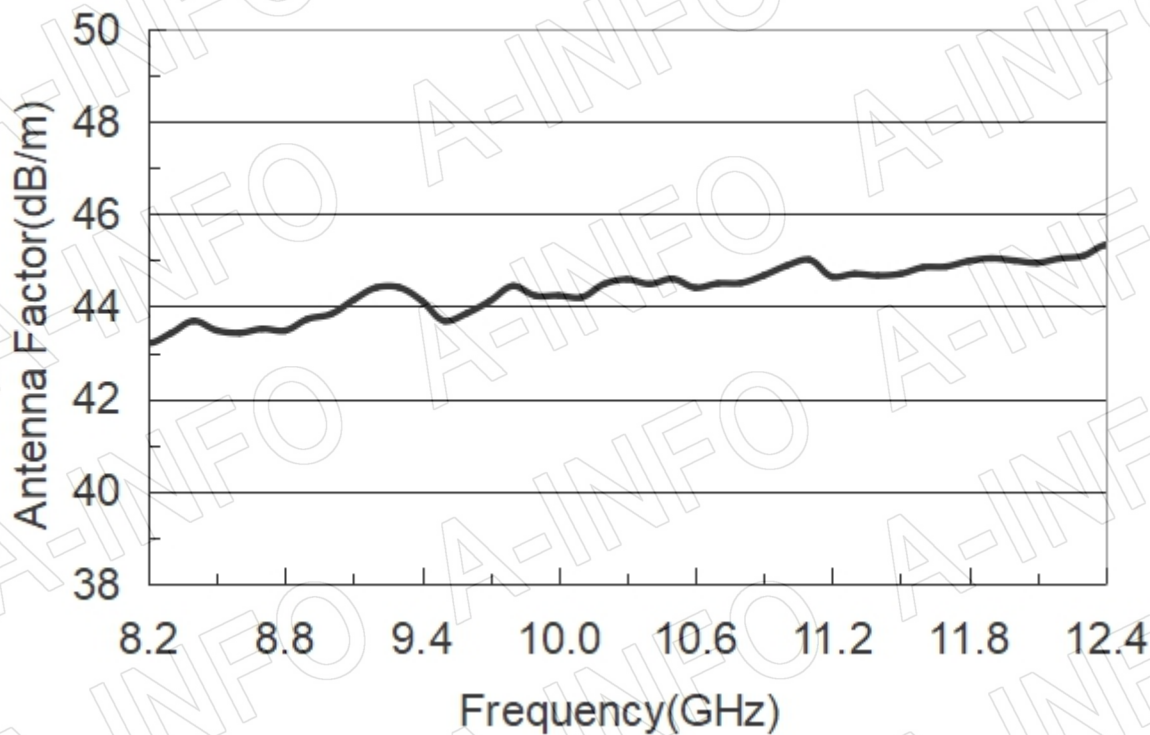
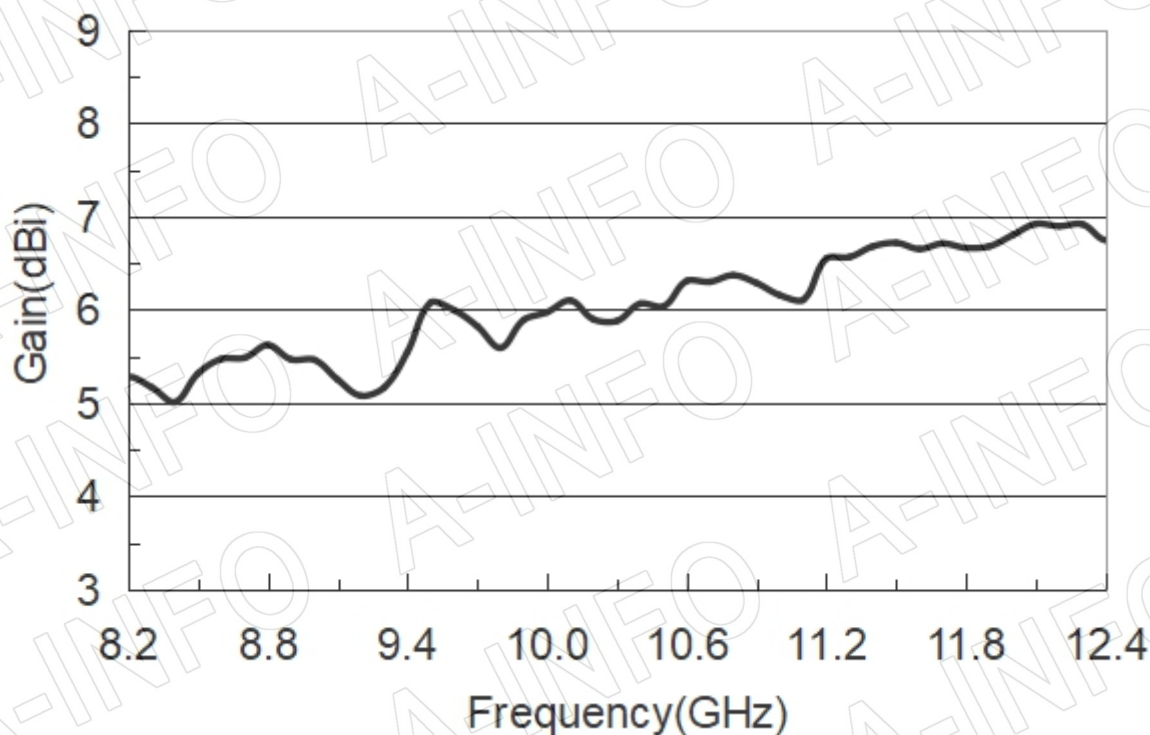
Endlaunch SMA-Female Output with L Type Mounting Bracket, Equipped with Absorber (Option, P/N: EWG-L40 & 90EWGES-A1)

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

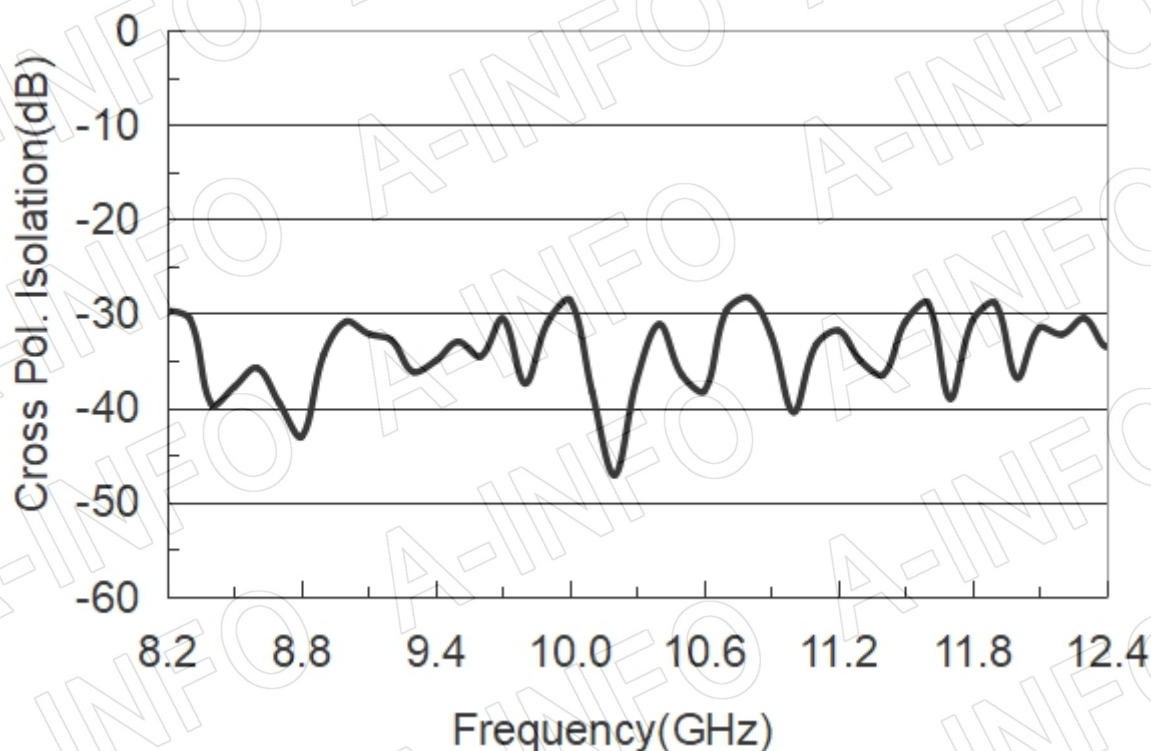


Test Results

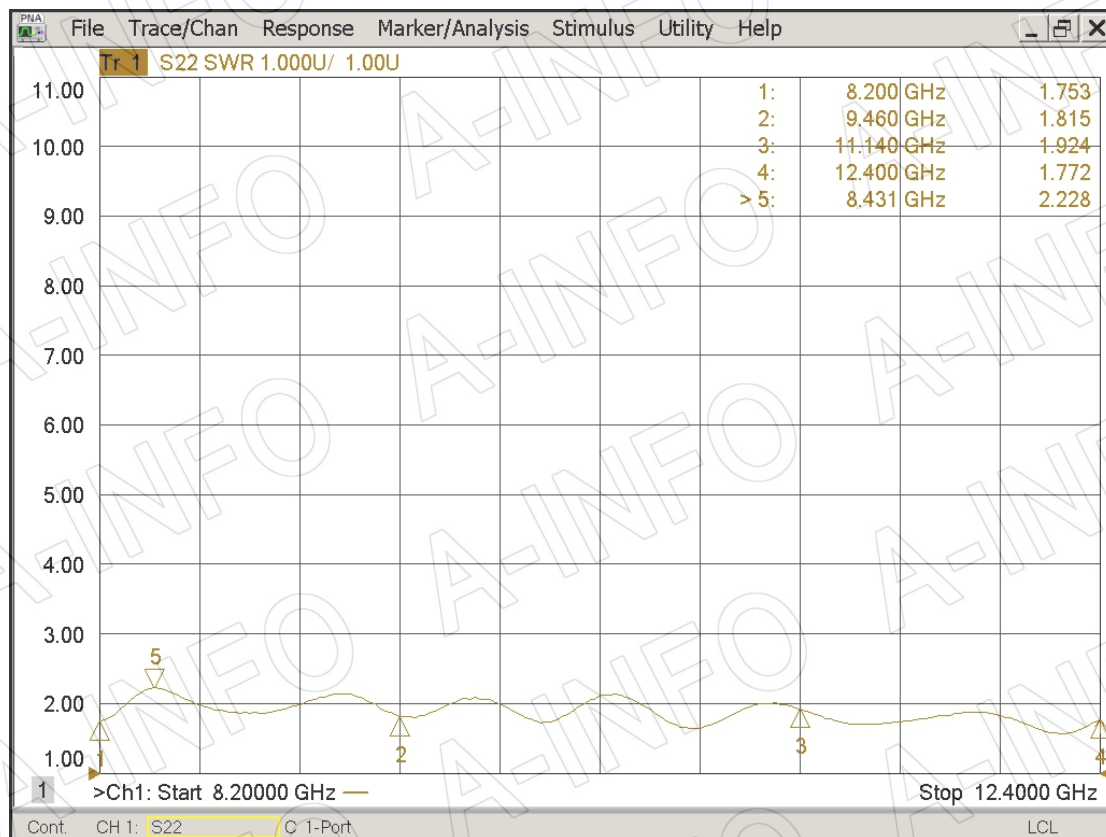
1. Gain & Antenna Factor



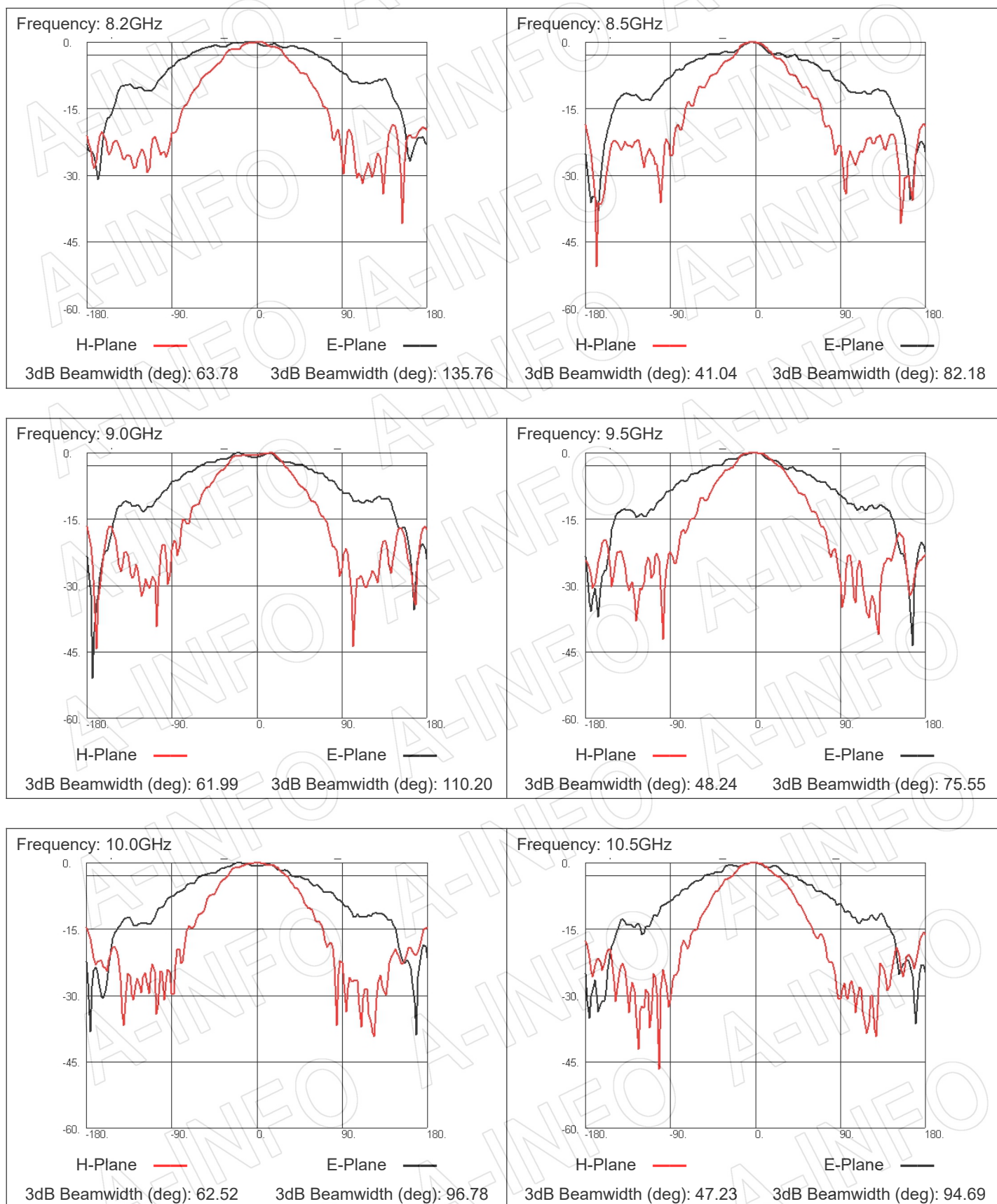
2. Cross Polarization Isolation



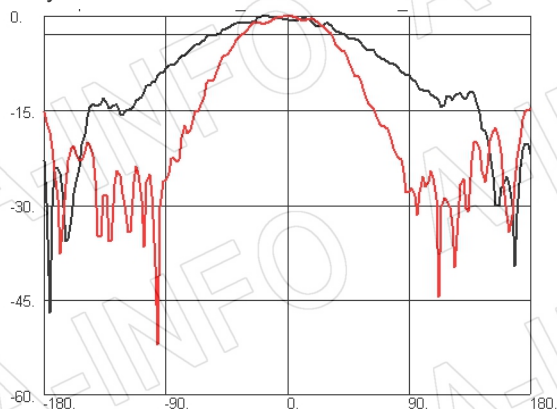
3. VSWR



4. Pattern

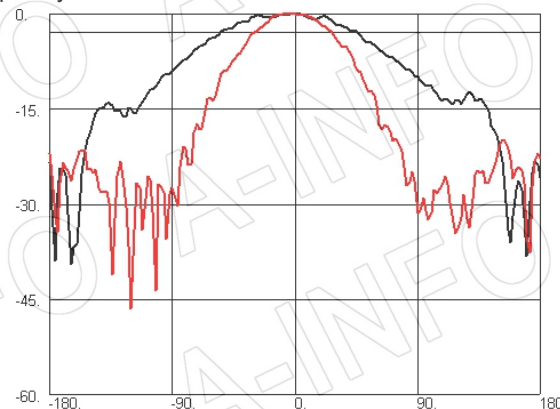


Frequency: 11.0GHz



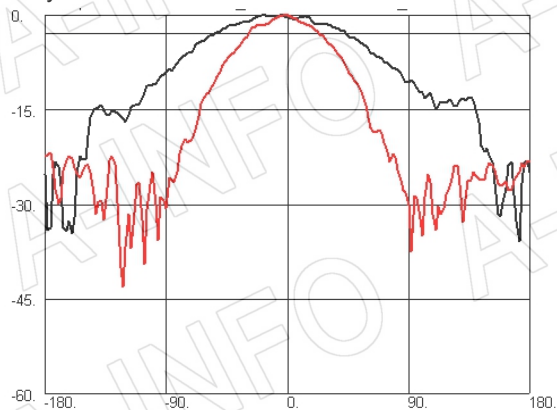
H-Plane — E-Plane —
3dB Beamwidth (deg): 66.73 3dB Beamwidth (deg): 94.98

Frequency: 11.5GHz



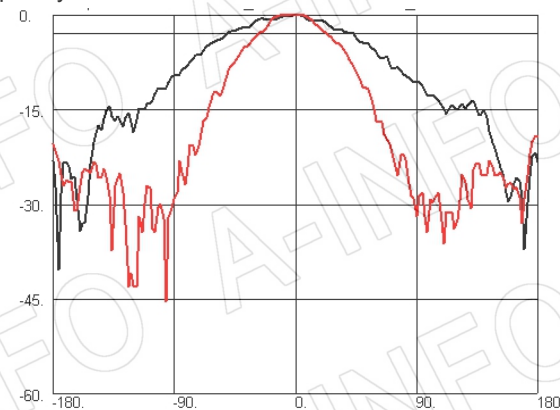
H-Plane — E-Plane —
3dB Beamwidth (deg): 57.49 3dB Beamwidth (deg): 101.15

Frequency: 12.0GHz



H-Plane — E-Plane —
3dB Beamwidth (deg): 52.76 3dB Beamwidth (deg): 98.02

Frequency: 12.4GHz



H-Plane — E-Plane —
3dB Beamwidth (deg): 51.25 3dB Beamwidth (deg): 93.98