

Trihedral Corner Reflector



Stealth



ID.: TCR00812

MDPL TCR001812 is 24" edge length trihedral corner reflector with aluminium construction, TCR001812 can be used for radar target simulator precisely and military decoy. With an edge length of 608 mm, this reflector is engineered to produce a Radar Cross Section (RCS) exceeding 20 dBsm, making it highly effective for military decoy operations.

Features

- ▶ Trihedral (90° orthogonal plates).
- ▶ High RCS (Greater than 100m²).
- ▶ Compact Size.

Applications

- ▶ Radar target simulator.
- ▶ Radar System calibration.
- ▶ Military Decoy.



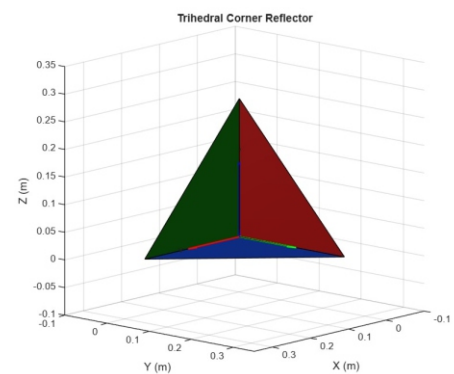
Trihedral Corner Reflector



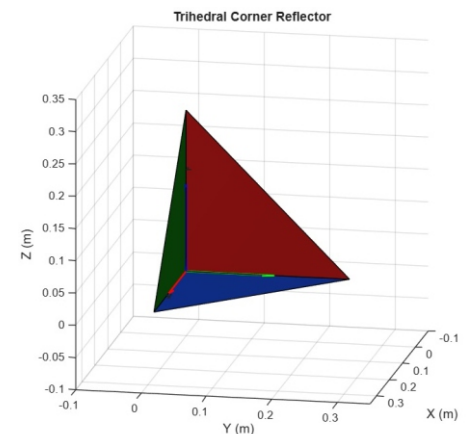
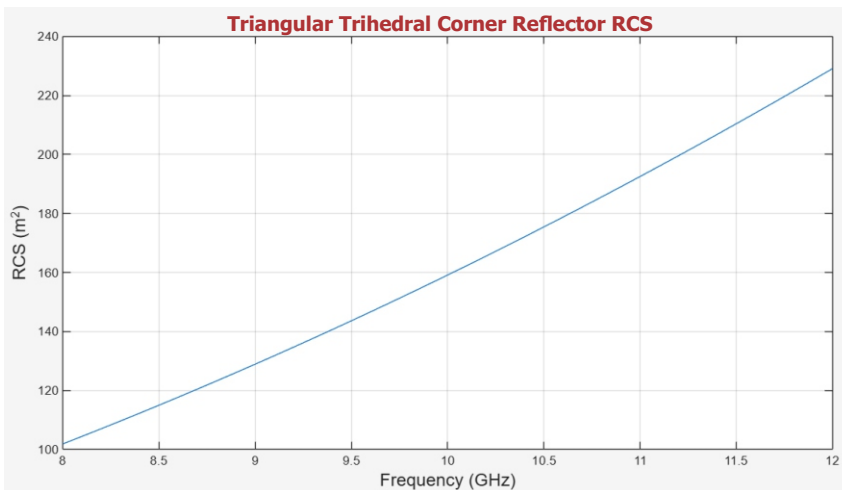
Stealth

Mech specs

Parameter	Requirement
Side Length	430 mm[24"] (size varies as band dependency)
Geometry	Trihedral
Material	Al (6mm)
Surface Finish	Smooth
Weight	5700grms(Varies as per Band criteria)



Frequency v/s RCS plot



Conclusion: Target requirement ($> 100 m^2$ RCS) is achieved across full X-band.

28326REV001