

Trihedral Target Reflectors

Trihedral Target Reflectors

ECHOMAX trihedral corner reflectors provide a very high Radar Cross Section (RCS) target for radar testing, characterisation and range finding. Added elevation and azimuth selection allows accurate alignment with the transmitting radar which greatly reduces clutter caused by terrain and other obstacles.

Laser cut trihedral arrays made from highly durable 3mm A grade 6082 T651 aluminium sheet ensures a precision product. Available with straight, curved or square sections up to 100cm to suit your particular target response or angle requirement or assist meeting IEC : 62388 (ed2) 2013

Target sight option available.

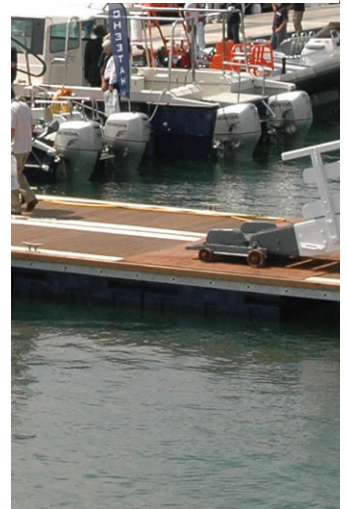
Mounting options:- adjustable wall bracket, adjustable tripod mounting vehicle or marine options.



Three EMTH50 Reflectors being used to test response of helicopter radars at 6000 feet.



Trihedral target reflector mounted on Manfrotto tripod.

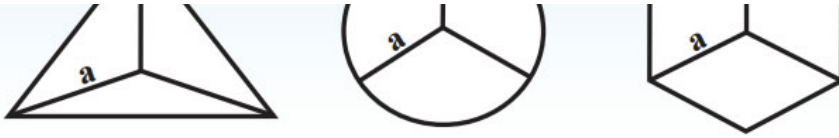


Echomax, PO Box 6032, Dunmow, CM6 3AS, UK
Tel: 00 44 (0) 1371 830216 Fax: 831733 email: echomaxsales@aol.com

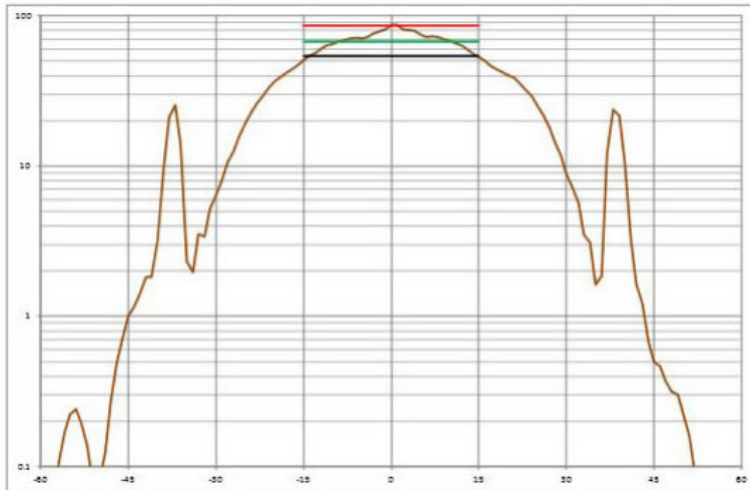
www.echomax.co.uk

"a" length CM	Triangle CSA M2	Round CSA M2	Square CSA M2
EMTH 35	61	232	557
EMTH 50	257	958	2320
EMTH 76	1333	5000	10435
EMTH 100	4120	15480	37140
Approx lobe width	40 deg	30 deg	23 deg





Single Trihedral 379mm corner target



Linear diagram above shows a typical response to X band 9.41 GHz from a 379mm corner reflector with a 536mm hypotenuse.

67.5m² +/- 10 degrees (Brown line) Red and Black show +/- 1 db of tolerance Green line nominal cross section.

Source QinetiQ Antenna range Funtington Sussex 17th April 2015