# TWB Transportable Wide Band Antenna

The SMC TWB2530 is a completely integral HF transportable antenna system. Supplied with its own fibre glass support mast it requires nonatural objects for support purposes. The complete system is packed in a roll-up kit bag for transportation, and can be erected and 'on air' in as little as 15 minutes. All components are drab olive or matt black. The system is constructed of ver lightweight/high strength materials including kevlar and nylon.

Frequency Range	2.5 to 30MHz
Power Ratings	Receive, 400W, I kW
VSWR	2.0:1 2.5:1
Impedance	50ohms unbalanced
Polarisation	Horizontal
Gain	Up to 3dbi
Input Connector	N or UHF
Feeder Cable	20m URM67

Mast	11 MTS epoxy bonded GRP 50mm OD with prestretched 4-way polyester guy system
Packed Weights/Sizes	200 x 30 x 70cms, 36kg (6'7 " x 1' x 2'3"2 ", 791lb)
Site Requirements (inc. masts)	47m x 22m max (154'x 72'max)
Deployment Time	30 minutes max
Antenna Elements	PVC covered kevlar braid, drab olive
Loads	GRP housing, fully strain relieved
Balun Transformer	Fully encapsulated non hygroscopic with NATO style spigot

TAS40/TAS100 Balanced Transformer
(Model depending on requirements)
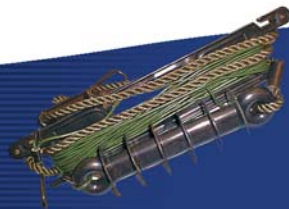
The Future Never Sounded So Good...
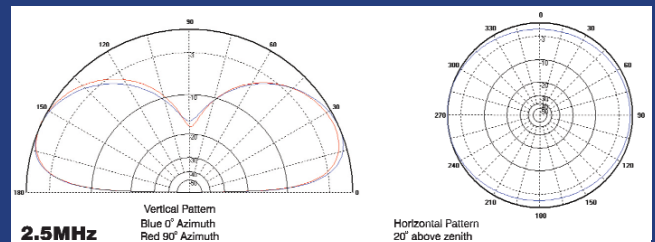
Including All Components

- Vinyl/Canvas kit bag.
- Complete system including glass-fibre mast and all necessary fittings

Additional Information

Earthing Screen for TWB Series Dipole
Part # TWB2530/ES

NATO codified versions available.

2.5MHz
Vertical Pattern
Blue 0° Azimuth
Red 90° Azimuth

Horizontal Pattern
20° above zenith

Typical Radiation Plot at 2.5MHz. For plots showing 5.0MHz, 10.0MHz, 15.0MHz and 20MHz please see overleaf.

VSWR Plot

Radiation Plots
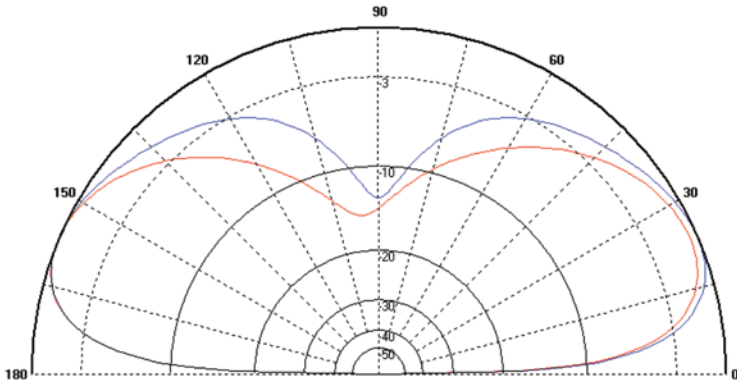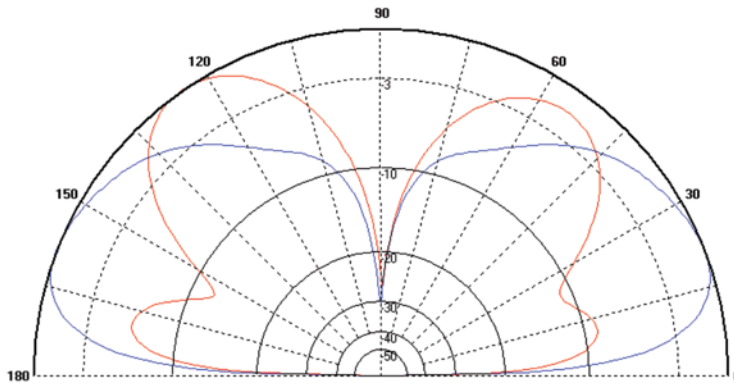

5.0MHz
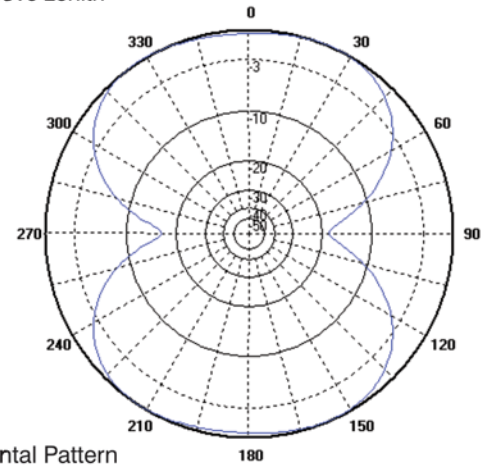
Vertical Pattern
Blue 0° Azimuth
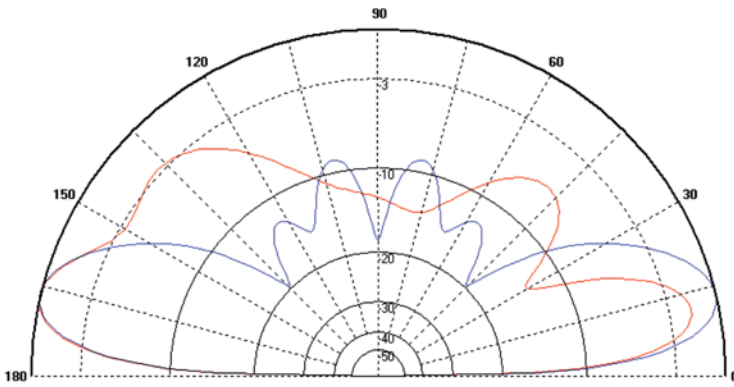Red 90° Azimuth
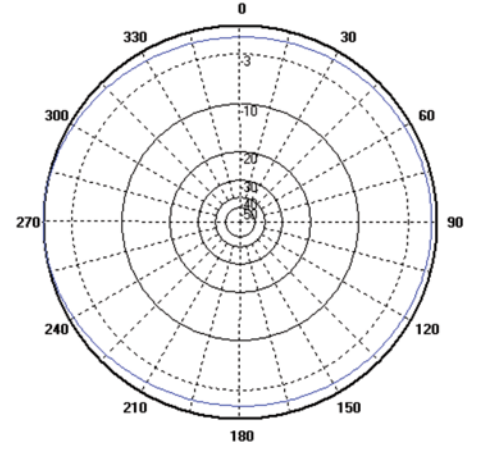
Horizontal Pattern
20° above zenith
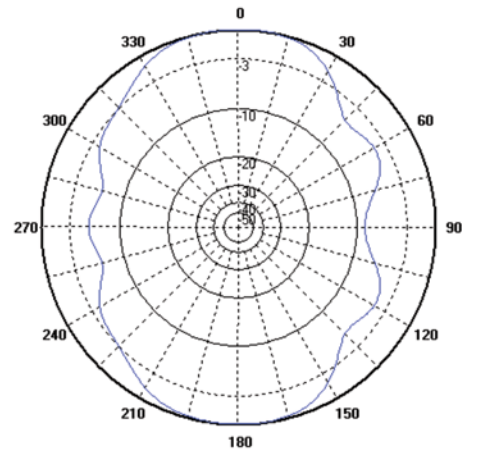
10.0MHz

Vertical Pattern
Blue 0° Azimuth
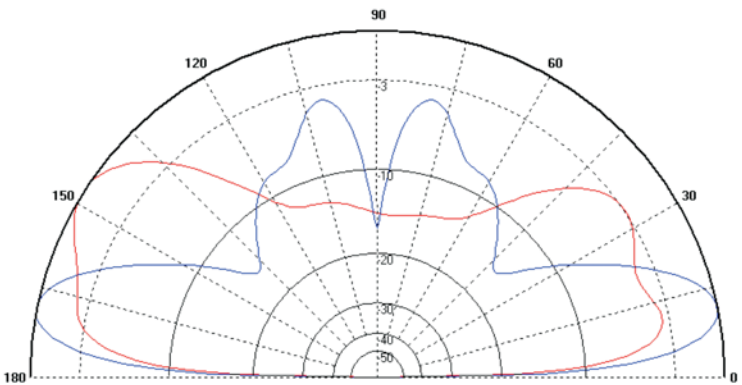Red 90° Azimuth

Horizontal Pattern
20° above zenith

15.0MHz

Vertical Pattern
Blue 0° Azimuth
Red 90° Azimuth

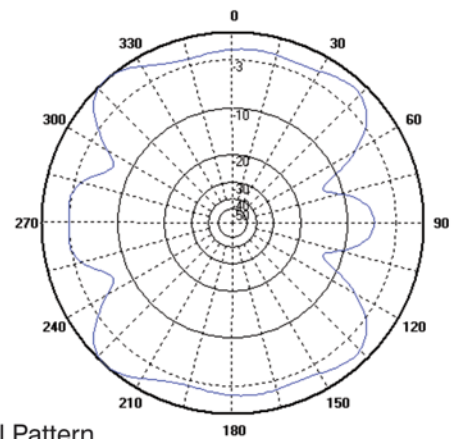Horizontal Pattern
20° above zenith

20.0MHz

Vertical Pattern
Blue 0° Azimuth
Red 90° Azimuth

Horizontal Pattern
20° above zenith