

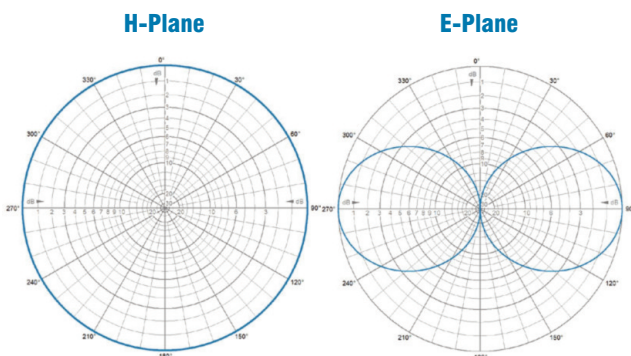
The S.EFX series of glassfibre dipoles are designed for professional base station and fixed mobile applications. The antennas have been designed with an integral dual purpose mounting bracket, cast in aluminium. The stainless steel fittings enable the antennas to be fixed to the top or side of a vertical pole up to 60mm diameter. The centre fed dipole is fed via coaxial cable, giving a stable radiation pattern over a wide operating band. All S.EFX series are d.c. grounded. A VSWR of 1.5:1 is achieved over a bandwidth of $\pm 6\%$ of centre frequency.



• Horizontal or vertical tube mount

Frequency range	Manufactured between 68 - 500 MHz		
Input impedance	50Ω		
Typical Bandwidth	$\pm 6\%$ of centre frequency		
VSWR	<1.5:1 S.EFX-127, S.EFX-155, S.EFX-165 <1.5:1 typical, <1.8:1 Max		
H Plane ripple	< ± 0.5 dB		
Maximum input power	150 Watts		
Polarisation	Vertical		
Gain	0 dBd		
3 dB Beamwidth	E Plane 80°		
Standard Connection	0.5m Length of RG 213 c/w 'N' type socket.		
Dipoles	11mm dia brass tube		
Dipole feeds	PTFE dielectric coaxial cable		
Shroud	Parallel grey glassfibre tube 26mm dia. VHF Low Band 40mm dia.		
Lightning protection	Direct grounded		
Mounting bracket	Integral diecast aluminium alloy grade LM6		
Bracket finish	Black anodise		
Mast fixings	Stainless steel M8 V bolts grade A2-70		
Typical weight	VHF Low 1.5kg	VHF High 0.8kg	UHF 0.6kg
Typical length	VHF Low 3.1m	VHF High 1.5m	UHF 0.8m
Typical wind loading @ 45m/s	VHF Low 135N	VHF High 41N	UHF 26N

Free Space Radiation Patterns



Mounting Accessories



CSB
Welded
Aluminium
Standoff Frame

Ordering Codes

Stock code	Frequency
S.EFX-127	117-137MHz
S.EFX-155	145-165MHz
S.EFX-165	155-175MHz
S.EFX-184	176-192MHz
S.EFX-200	192-208MHz
S.EFX-405	380-430MHz
S.EFX-445	420-470MHz

Issue 2. E&OE  This product is RoHS compliant