

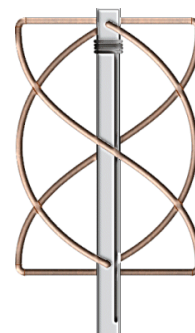
SMART ELECTRONICS COMMUNICATION

Delhi, INDIA

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Model No. SQFH137G5	Frequency 137 MHz	5 dBi Gain
QUADRIFILAR HELICAL ANTENNA		

DESIGN FEATURES: The antenna provides circular polarization and complete hemispherical reception, which is precisely what is needed to receive the polar orbiting weather satellites, while maintaining the wider beam-width. Antenna use Circular Polarization Technology - which delivers better penetration through obstruction and interference. The SQFH137G5 Quadrifilar Helical antenna is highly suitable to provide the uninterrupted communications in the tunnels. This commercial grade antenna provides superior performance as compare to significantly larger and more expensive products. Our SQFH series Quadrifilar Helical antennas are smaller than conventional yagi antenna. The SQFH137G5 Quadrifilar Helical antenna is supplied with a specially designed mounting arrangement to hold the antenna at back end by using two stainless steel mounting brackets to withstand the higher wind rating.



ELECTRICAL SPECIFICATIONS:	
Frequency Range	137 MHz
Gain	5 dBi
Bandwidth	5 MHz
Polarization	Circular RHCP/LHCP (Fixed)
Input Impedance	50 Ohms
Coverage	Omni/Hemispherical
Beam-width	170°
VSWR	≤1.5 : 1
RF Power Handling Capacity	100 Watts
Input Termination	N-Female
MECHANICAL SPECIFICATIONS:	
Mounting Hardware	Stainless Steel
Gross Weight (approx.)	4.5 Kg
Overall Length (approx.)	100 cm
Wind Rating	180 Km/Hr.
Radiating Material	Copper or Brass
Reflector Material	Aluminium Alloy6061T6
Radome/Body material	No-Radome/Fiberglass
Maximum Mounting Pipe Diameter	38-51 mm (1.5"-2" inches)
ENVIRONMENTAL SPECIFICATIONS:	
Operating Temperature	(-)30 to +70 Degrees Celsius
Storage Temperature	(-)40 to +80 Degrees Celsius
Humidity	0 to 95% RH

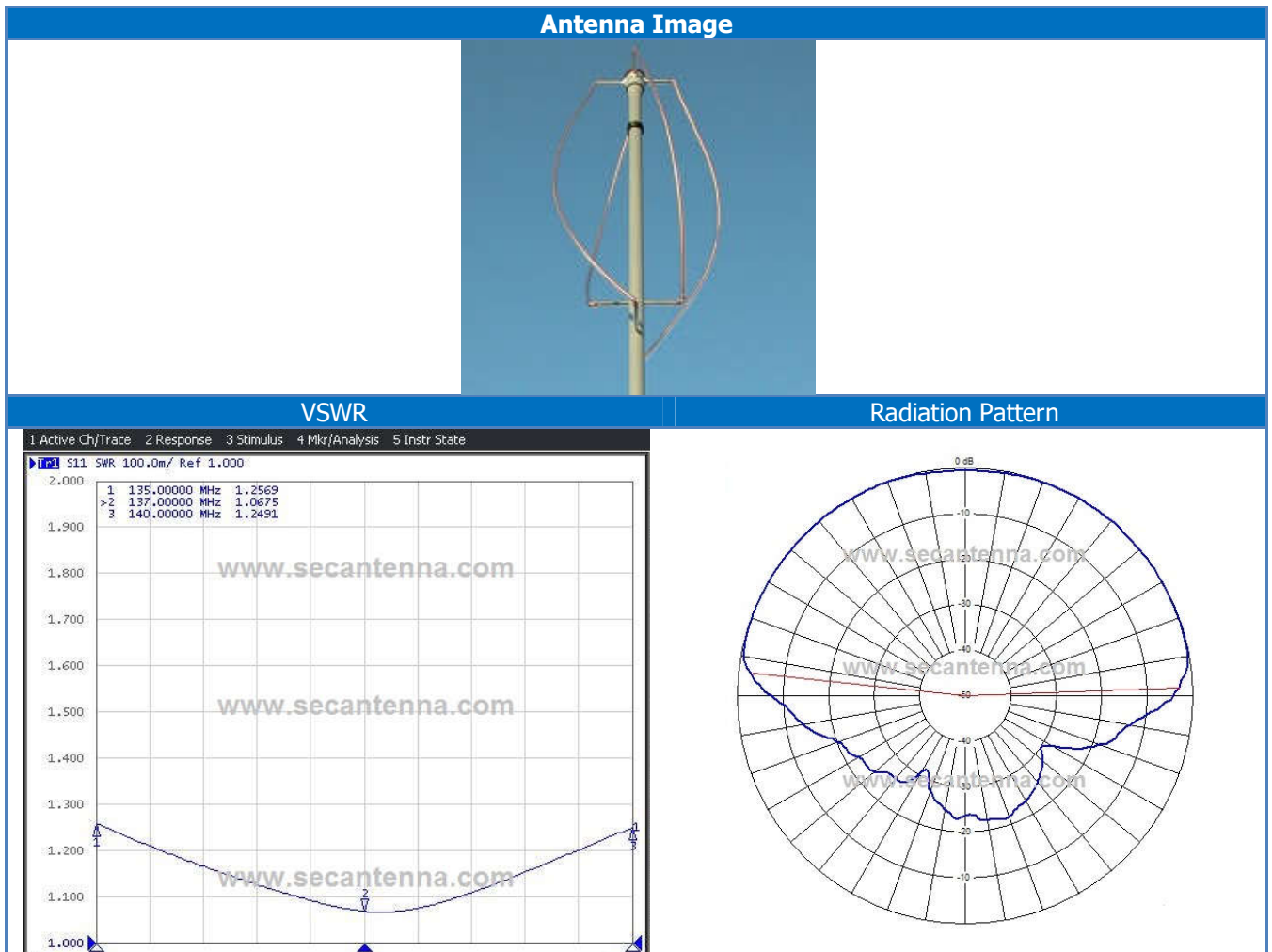
Note: All information contained in the datasheet is subject to change without any prior notice.

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Antenna Report:



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