

## Probecom LEO 1.8m S Band Antenna specification

Electrical Specification		
Type	S18T	
Operating Frequency, GHz	S-Band	
	Transmit	Receive
	2.025~2.11	2.2~2.8
Gain, dBi	28.6@2.1GHz	29.7@2.4GHz
Polarization	Doublecircular	
Axial Ratio, dB	2.0	
VSWR	1.5	1.5
-3 dB Beam Width, Mid-band	5.6°@2.1GHz	5°@2.4GHz
Typical G/T ( EL=30° , 2-port )		5.8dB/K
Feed Interface	N-50K	N-50K
Isolation, Tx to Rx, dB	80	
Side lobe	CCIR 580-4	
Mechanical Specification		
Antenna Diameter	1.8m	
Antenna Type	1.8 meters standard	
Mount type	X-Y mount antenna	
Tracking mode	program tracking	
The biggest movement range	±90°	
Velocity	5°/s	
Acceleration	5°/s <sup>2</sup> max	
tracking accuracy	0.5°	
Environmental Specification		
Operational Wind	72km/h	
Survival Wind	202km/h	
Temperature	-20°~+55°	
Relative Humidity	≤95%(normal temperature)	