

SGoSat Lpro Land

SGoSat LPro Terminals are designed with all systems integrated under the radome: antenna, BUC, BDC, LNA, LNB, modems, ACU, etc. keeping a low profile and small dimensions. The design allows for different options, with base band equipment inside the radome or inside the vehicle



Land



Sea



Air

Comms on the move for
smaller and smarter vehicles,
ships and aircraft



Maximum
regulatory
compliant EIRP SD
for all latitudes.

Re-acquisition
quasi-instantaneous,
Pointing Loss (RMS) <
 0.1°

Polarization diversity
for full support

SGoSaT Lpro Land

Available for:
tri-band: X, mil-Ka and commercial-Ka bands.



Radiofrequency features

Parameter	X-Band	Ka-Band	X/Ka-Band	Ku-Band	Ku/Ka Dual Band	
Rx Freq	7.25 – 7.75 GHz	Civil: 19.2-20.2 GHz Military: 20.2-21.2 GHz	X-Band: 7.25 – 7.75 GHz Ka-Band: 19.2- 21.2 GHz	10.7-12.75 GHz	Ku-Band: 10.7 – 12.75 GHz Ka-Band: 19.2- 21.2 GHz	
Tx Freq	7.90 – 8.40 GHz	Civil: 29-30 GHz Military: 30-31 GHz	X-Band: 7.90 – 8.40 GHz Ka-Band: 29- 31 GHz	13.75 - 14.5 GHz	Ku-Band: 13.75 – 14.5 GHz Ka-Band: 29- 31 GHz	
Polarization	LHCP/RHCP (manual)	LHCP/RHCP (simultaneous)	LHCP/RHCP	Linear H/V (polar tracking)	Ku-band: Linear H/V (polar tracking) Ka-Band: LHCP/RHCP (simultaneous)	
G/T	9 dB/K	12 dB/K	X-Band: 9 dB/K Ka-Band: 12 dB/K	12 dB/K	Ku-Band: 12 dB/K Ka-Band: 12 dB/K	
EIRP linear	43 dBW	49 dBW	X-Band: 43 dBW Ka-Band: 49 dBW	48dBW	Ku-Band: 48 dBW Ka-Band: 49 dBW	
Tx A.R						
Rx A.R.	< 1 dB	< 1.2 dB	X-Band: < 1 dB	< 1 dB	Ku-Band: < 1 dB	
Regulatory MI compliant	L-STD- 188-164B, STNAG4484	FCC 47 CFR.25.138 /ETSI EN 303.978 / ETSI EN 301.429	STANAG 4484/ MIL-STD 188-164B; FCC 47 CFR.25.138 /ETSI EN 303.978 / ETSI EN 301.429	FCC 47 CFR.227,ETSI EN 302 186	Ku-Band: FCC 47 CFR.227,ETSI EN 302 186 Ka-Band: FCC 47 CFR.25.138 /ETSI EN 303.978 / ETSI EN 301.429	

Mechanical and Environmental features

Parameter	X-Band	Ka-Band	X/Ka-Band	Ku-Band	Ku/Ka Dual Band	
Height						
Weight	< 96 kg	< 80 kg	< 100 kg	< 87 kg	< 95 kg	
Diameter	1000 mm	870 mm	1150 mm	990 mm	1000 mm	
Speed	AZ and EL: > 400°/s					
Acceleration	AZ and El: > 1000°/ s ²		AZ>600°/s ² ; EL:>1000°/ s ²	AZ and El: > 1000°/ s ²	AZ>600°/s ² ; EL:>1000°/ s ²	
Power	< 700 W (average) < 1000 W (peak)					



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