

SGoSAT

Lpro Aero

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



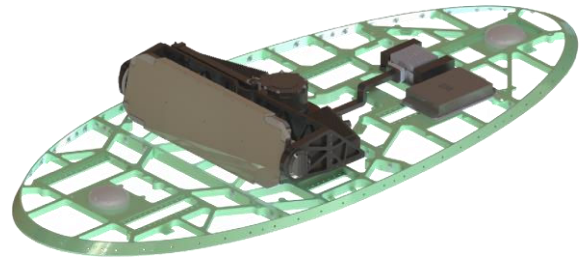
**Maximum
regulatory
compliant EIRP SD
for all latitudes.**

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

**Polarization diversity
for full support**

SGoSaT Lpro Aero

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	
TxFreq	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 (pol tracking)	Ku-band: Linear H/V (pol 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	44 dBW	49 dBW	X-Band: 44 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 compliance	MIL-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	< 30 cm					
Weight	< 96 kg	< 80 kg	< 100 kg	< 87 kg	< 95 kg	
Diameter	1 m	87 cm	1.15 m	99 cm	1 m	
Speed	AZ and EL: > 400°/s					
Acceler.	AZ and El: > 1000°/ s²		AZ>600°/s²; EL:>1000°/ s²	AZ and El: > 1000°/ s²	AZ>600°/s²; EL:>1000°/ s²	
Power	< 700 W (average) < 1000 W (peak)					



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