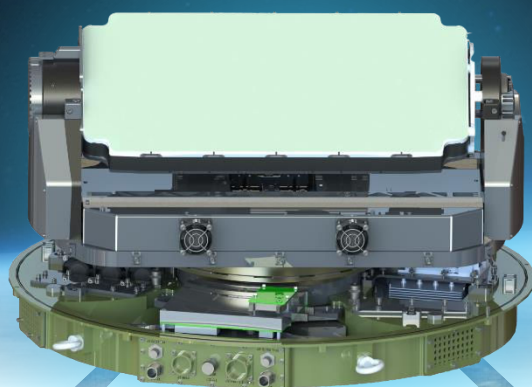
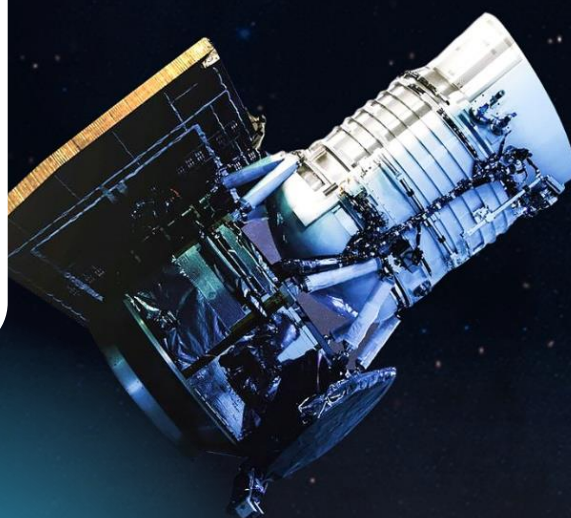


SGoSaT SPro

The SGoSaT SPro terminal, with weight and size optimized, is compliant with the strictest military standards including MIL-STD-810, MIL-STD-461. SGoSaT Terminals are designed with antenna, BUC, LNA, LNB, ACU, INS, slip ring, motors, etc. inside the radome, minimizing the required space on the top of the vehicle for its installation.

SGoSaT Terminals are available for Ka-Band (civil and military band) and X-Band

Small footprint,
low profile single / dual
band satcom terminal



Inertial sensors
Reacquisition
quasi-
instantaneous.

M&C by Ethernet,
friendly GUI based
on SNMP protocol

OpenAmip protocol
between ACU and
Modem available

SGoSaT Spro

Polarization: Ka Band: LHCP/RHCP automatically switchable X Band: LHCP/RHCP manually switchable

GPS Dual antenna; 1 kHz attitude sample frequency Pointing Loss (RMS) < 0.1

Radiofrequency features

Parameter	X-Band	Ka-Band	X/Ka-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
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
Polarization	LHCP/RHCP (Manual)	LHCP/RHCP (Automatic switchable)	LHCP/RHCP
G/T	7 dB/K	10.5 dB/K	10.5 dB/K
ERP linear	41 dBW	47.5 dBW	X-Band: 41 dBW Ka-Band: 47.5 dBW
Tx A.R	< 1 dB	< 1 dB	< 1 dB
Rx A.R.	< 1 dB	< 1.2 dB	< 1.2 dB
Normative	STANAG 4484/ MIL-STD 188-164C	FCC 47 CFR.25.138 /ETSI EN 303.978 / ETSI EN 301.429	STANAG 4484/ MIL-STD 188-164C; FCC 47 CFR.25.138 /ETSI EN 303.978 / ETSI EN 301.429

Mechanical features

Parameter	X-Band	Ka-Band	X/Ka-Band
Height	< 450 mm	< 450 mm	< 510 mm
Weight	57 kg	59 kg	< 85 kg
Diameter	640 mm	640 mm	780 mm



Headquarters:
C/ Marie Curie 19, 4ª floor
28521 Rivas-Vaciamadrid (Madrid)
Spain
grupooesia.com

Contact:

✉ producto@oesia.com

☎ +34 916 617 161

More information:
SatCom

