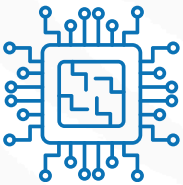


RESA L Ka



RESA - Requtech Electronically Scanned Antenna

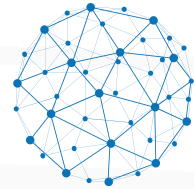
Fully integrated Multi-Orbit (LEO/MEO/GEO) satellite terminal for mobility



Fully integrated SATCOM terminal



Only 25kg



Instantaneous connection for rapid deployment in the harshest conditions

RESA L Ka is a fully integrated **Electronically scanned array** antenna terminal for **LEO**, **MEO** or **GEO** constellations for **on-the-move** and **on-the-pause** applications. This ruggedized terminal is **MIL-STD** designed with Field replaceable fan bays for all-weather **IP66 operations** for high reliability and high throughput with efficient acquisition and tracking algorithms. The fully electronically steered solution results in the **lowest Size, Weight, and Power for Maximum Performance**.

RESA series supports Marine, Vehicle & Portable applications



requtech 

Made by Sweden: Reliability and Innovation in Challenging Environments



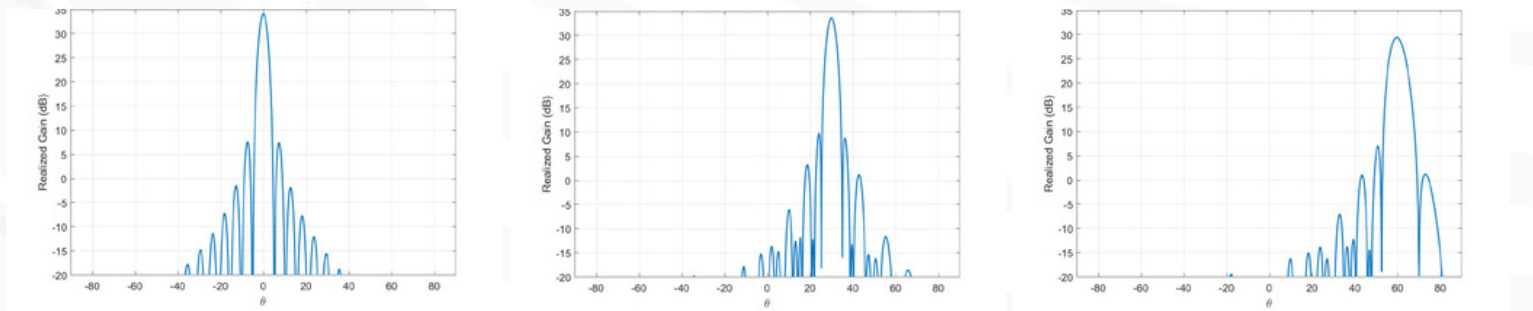
TECHNICAL DETAILS

RF PERFORMANCE	
TX Frequency	27.5-31.0 GHz
RX Frequency	17.7-21.2 GHz
G/T (boresight)	13 dB/K
Linear EIRP (boresight)	49 dBW
Polarity	Circular (electronically switched)
Tx XPD	25 dB
Rx XPD	25 dB
ELECTRONIC SCANNING SPECIFICATIONS	
Tracking error	< 0.05 dB
Beam update rate	100 Hz
Pointing Accuracy	0.1°
Azimuth adjustment	360° with a pointing step size of 0.1°
Elevation adjustment	10° to 90°

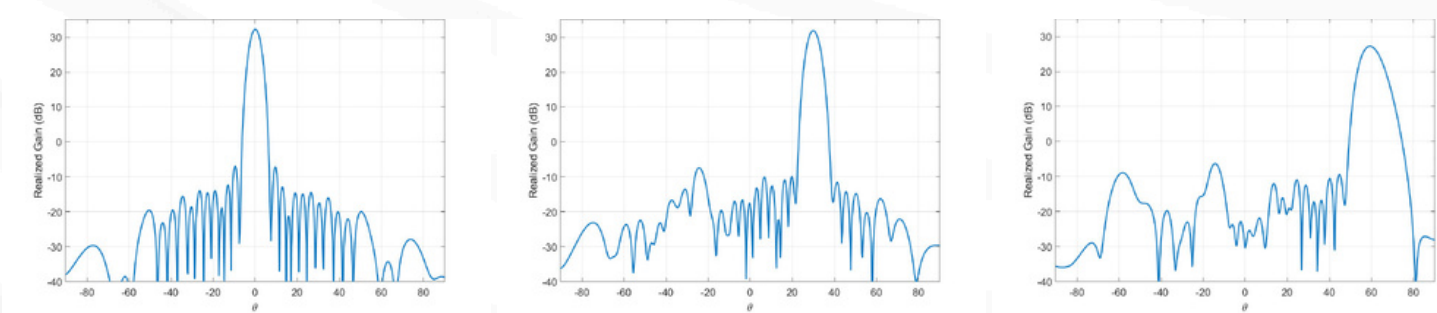
ELECTRICAL SPECIFICATIONS	
Supply voltage	24V
Power consumption(typical)	500W
INTERFACES	
DC Power	MIL-DTL-5015 (2-pin)
Ethernet	3xRJ45
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	-20° to +55°C / -5° to +130°F
Storage Temperature	-40° to +70°C / -40° to +160°F
Ingress Protection	IP66
WEIGHT AND DIMENSIONS	
Dimensions	L81xW45xH11 cm
Terminal Weight	25 kg

ANTENNA GAIN DIAGRAMS WRT SCANNING (TYPICAL)

RESA Ka - Rx (20 GHz) – Electronic scanning 0 to 60 deg



RESA Ka - Tx (30 GHz) – Electronic scanning 0 to 60 deg



Requitech AB, based in Linköping, Sweden, is at the forefront of satellite communication technology. We specialize in developing high-performance, reliable satellite communication systems. Our mission is to revolutionize communication capabilities, enhancing global connectivity through innovative solutions.

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