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Kosmos 2524

Kosmos 2524 is a Russian reconnaissance satellite part of its ELINT Liana program. Developed and built by TsSKB Progress and KB Arsenal, it was launched on December 2, 2017. It is based on the Yantar satellite's bus.[2]

Launch

Despite the launch failure of another Soyuz 2-1B rocket just four days before, Kosmos 2524 launched on December 2, 2017, from Plesetsk Cosmodrome Site 43 at 10:43 UTC. It was launched to a low Earth orbit with a periapsis of 905.0 km (562.3 mi), an apoapsis of 917.1 km (569.9 mi) and an inclination of 67.1°, allowing it to cover much of the world.[1][3]

References

1. "Technical details for satellite COSMOS 2524" (https://www.n2yo.com//satellite/?s=43032). *N2YO.com - Real Time Satellite Tracking and Predictions*. Retrieved 2021-12-10.
2. "Lotos-S1 (14F145)" (https://space.skyrocket.de/doc_sdat/lotos-s1.htm). *Gunter's Space Page*. Retrieved 2021-12-10.
3. Hyl, Philip; s (2017-12-04). "Russia launches electronic intelligence satellite Cosmos 2524 in quick Soyuz 2 operational return" (https://www.seradata.com/russia-launches-electronic-intelligence-satellite/). *Seradata*. Retrieved 2021-12-10.

Kosmos 2524

Names	Lotos-S1
Mission type	Reconnaissance
Operator	Russian Armed Forces
COSPAR ID	2017-076A[1]
SATCAT no.	43032[1]
Mission duration	5 years, 11 months and 6 days
Spacecraft properties	
Spacecraft	Lotos-S1
Bus	Yantar[2]
Manufacturer	TsSKB Progress KB Arsenal[2]
Start of mission	
Launch date	December 2, 2017 10:43 UTC
Rocket	Soyuz 2-1B
Launch site	Plesetsk Cosmodrome Site 43
Orbital parameters	
Reference system	Geocentric
Semi-major axis	7,282 km (4,525 mi)
Periapsis altitude	905.0 km (562.3 mi)
Apoapsis altitude	917.1 km (569.9 mi)
Inclination	67.1°
Period	103.1 minutes
Kosmos	

Liana program