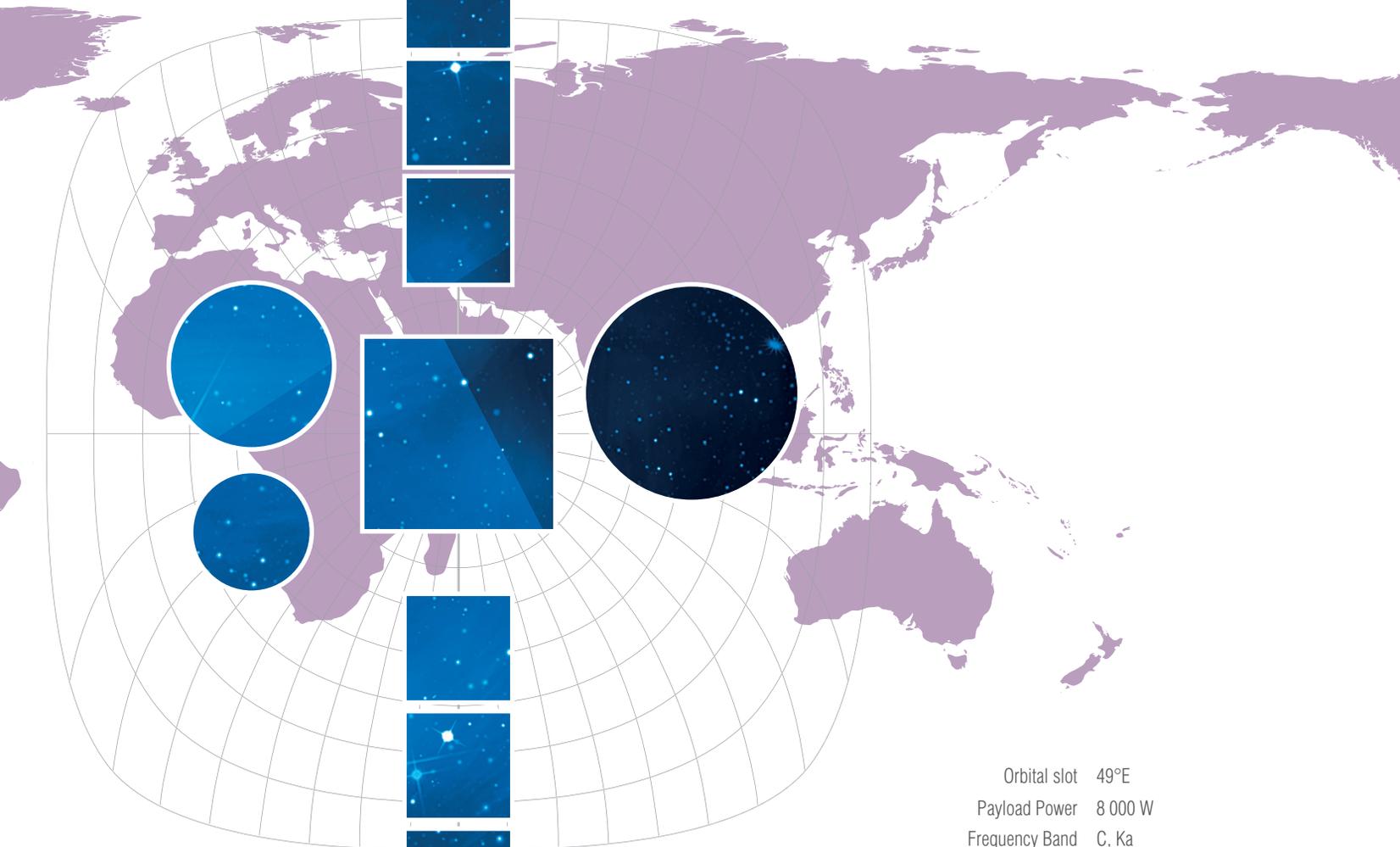


49E

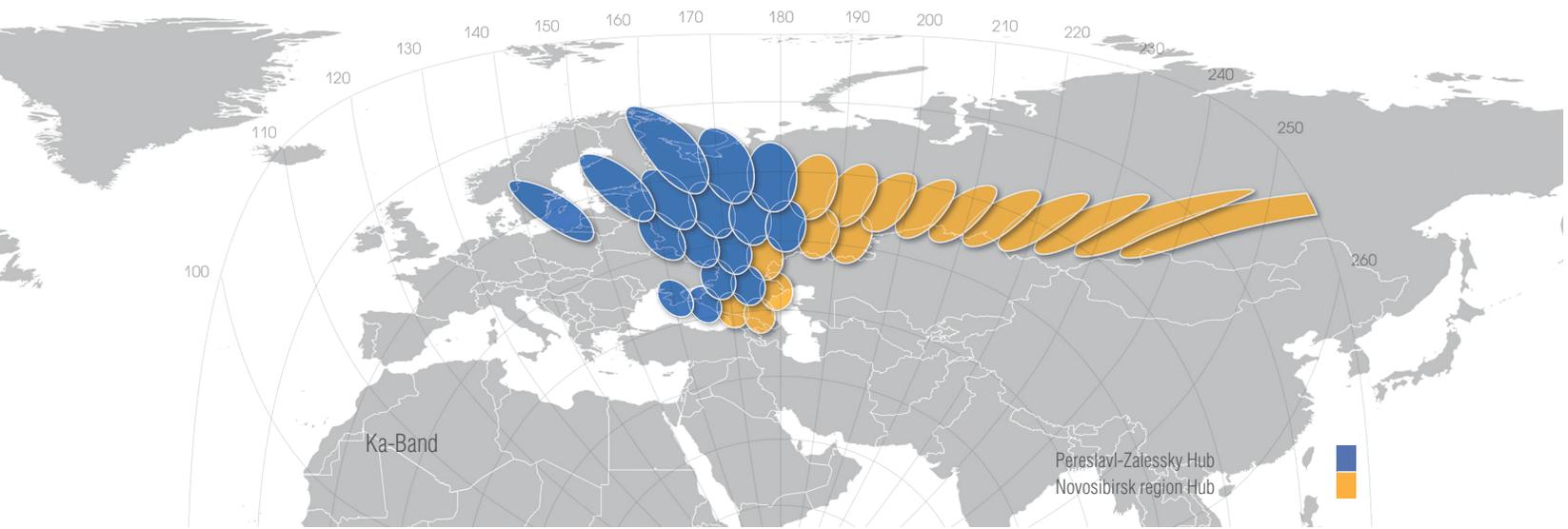
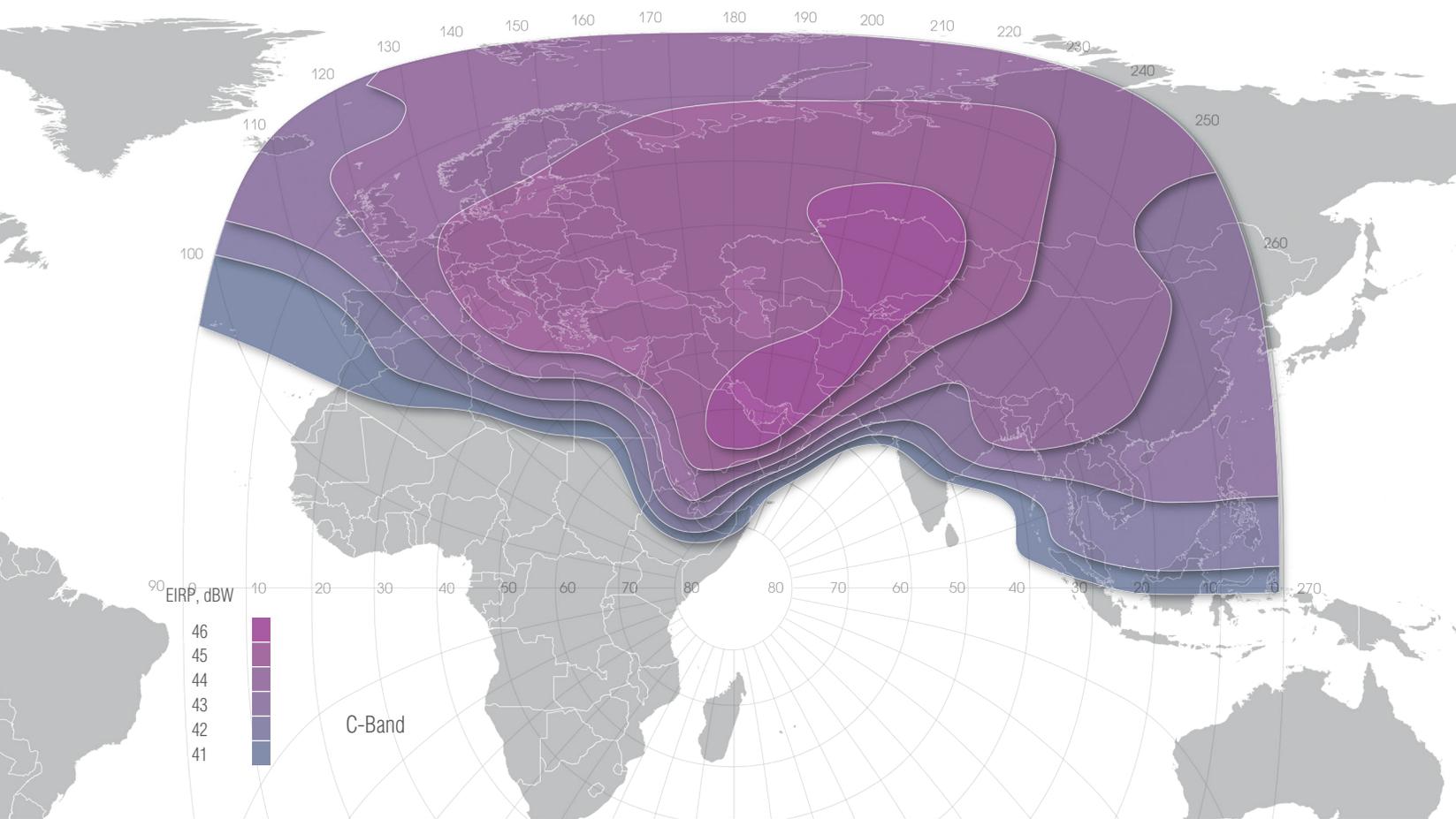
SATELLITE CAPACITY

YAMAL

601



Orbital slot	49°E
Payload Power	8 000 W
Frequency Band	C, Ka
Polarization	Circular
Number of C-band Transponders	38
Number of Ka-band Beams	32
Ka-band throughput	up to 30 Gbit/s
Station Keeping Accuracy	0.1°
Satellite Axes Orientation Accuracy	0.1°



The multi-beam service zone in Ka-band will cover the most populated part of the territory of Russia, reached from 49° E position (European part of Russia, including Kaliningrad region, the Urals, Western Siberia). The system in Ka-band allows to provide economical high-speed broadband services to corporate sector, regional administrations, small businesses and individuals.

Features of Ka-band system:

- multibeam coverage zones (32 beams 0,52 x 0,52 degrees);
- frequency reuse;
- EIRP not less then 61 dBW.

Ka-band system includes two hubs - in Pereslavl-Zalessky and in Novosibirsk region.



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