

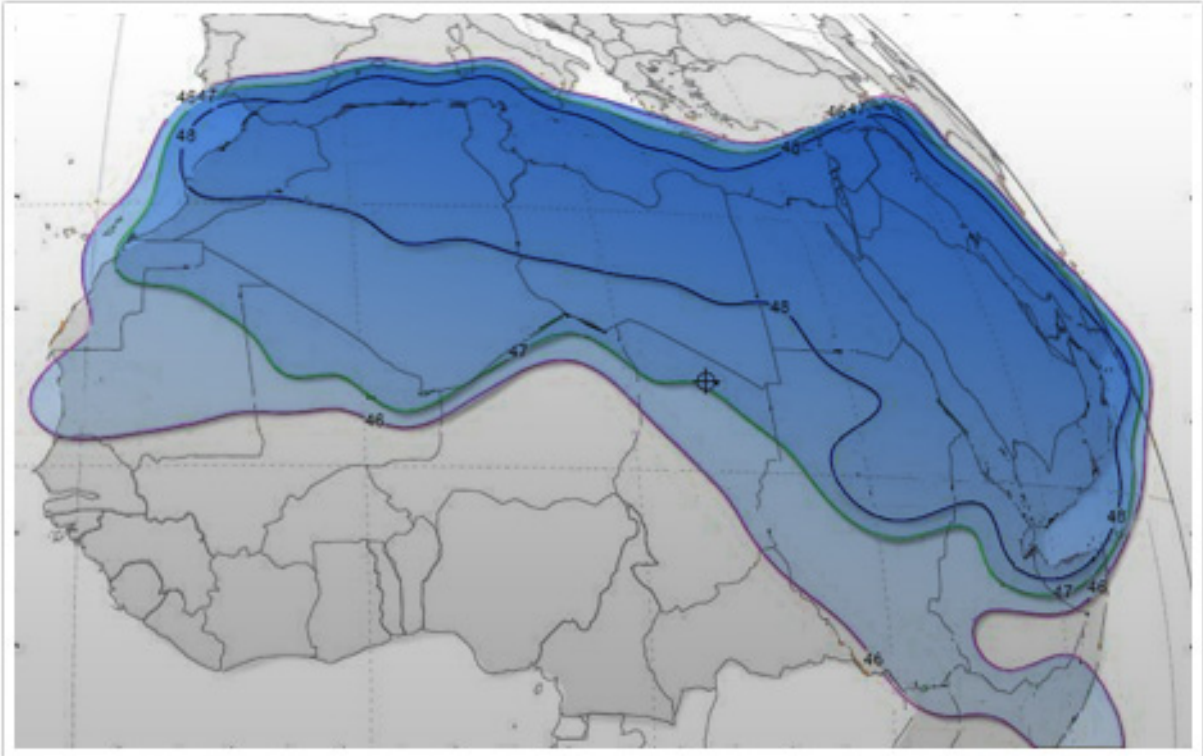
Nilesat-201

It is one of the Nilesat's second generation satellites. It is manufactured by Thales Alenia Space Company. It was launched by Ariane 5 Rocket in 4th of August 2010. Nilesat-201 will replace Nilesat-101 which is expected to terminate its mission in 2013.

It also meets the growing demands for Nilesat space capacities within the Middle East and North Africa (MENA) region, to maintain Nilesat's leading position among the regional satellite operators.

Nilesat-201 has 24 Ku-band and 4 ka-band transponders. Its coverage includes MENA region, including the GULF region, and full coverage of Sudan and East of Africa.

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| EIRP | KU Band: 50 dBW on Cairo, 51.7 dBW (Max.) 47 dBW (EOC) KA Band: 50 dBW on Cairo, 53 dBW (Max.) 50 dBW (EOC) |
| Orbital Position | 7° West |
| Uplink Band & Polarization | KU : 17.3-18.35 GHz. Linear (H,V) KA : 27.5 -27.58 GHz. Circular (RHCP, LHCP) |
| Downlink Band & Polarization | KU : 11.7-12.75 GHz. Linear (H,V) KA : 21.4 -21.48 GHz. Circular (RHCP, LHCP) |
| No. Of Transponders | 24 (KU) + 4 (KA) |
| Transponder Bandwidth | KU: 33 MHz (BSS), 54 MHz (FSS) KA: 33 MHz |
| Channel Transmitted Power | KU: 138 W KA: 126 W |
| Launching Date | May 2010 |
| Transmitting Antenna Gain | KU: 29.7 dBi KA: 31 dBi |
| Receiving Antenna Gain | KU: 29.6 dBi KA: 33 dBi |
| G/T Ratio | KU: 2.7 dB 2.0 dB on Cairo -2.0 dB (EOC) KA: 7.16 dB on Cairo (Max) 4.0 dB (EOC) |
| Launch Mass | 3129 Kg |
| Maneuver Life Time | 15 Years |
| Receiving Dish Diameter Within The Coverage | |



NileSat-201-Ka-Band-Coverage

