



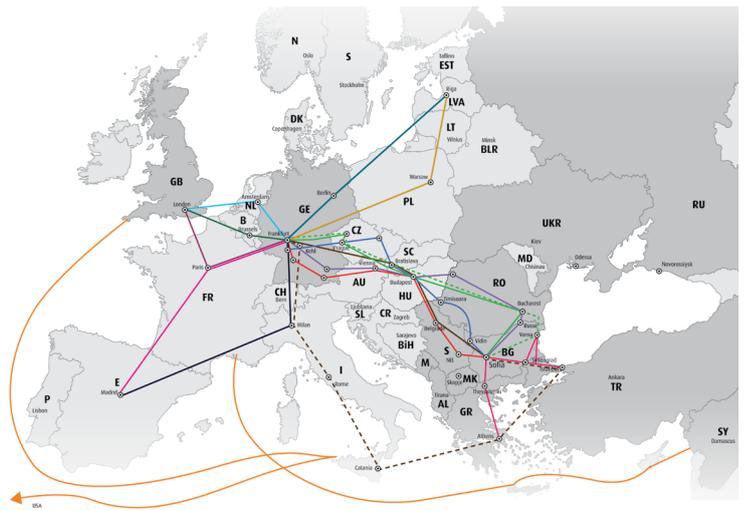
END-TO-END SATELLITE SOLUTIONS

VIVACOM has more than 40 years' experience

in satellite communications.

The company provides satellite uplink/downlink of TV and radio channels via satellites from 40W to 90E. The services are supported 24/7 by highly-experienced personnel, which guarantees high quality and reliability.

VIVACOM operates the largest state-of-the-art facility for satellite communications in the region - Plana Teleport, Tier 3 certified by WTA. The ground station is located in specially selected area with minimum rainfall and excellent interference protection. All equipment is fully redundant and the teleport is connected via protected fiber lines to the main PoPs in Europe.



Uplink of TV & Radio Channels

VIVACOM offers uplink of TV and radio channels to a wide range of satellites in Ku, DBS and C band.

The company provides signal encoding in MPEG-2 SD, MPEG-4 SD, MPEG-4 HD and H.265 UHD formats, multiplexing, encryption and simulcrypt of TV Channels, DVB-S or DVB-S2 modulation and uplink.

Downlink of TV & Radio Channels

VIVACOM offers downlink of signal in C or Ku band, DVB-S or DVB-S2 demodulation, optional decryption of the channels with a viewing card provided by the client and transmission of signal over IP multicast interface to a PoP or via Internet. The company also offers downlink of TV channels with client's receivers collocated at the company's teleport.

Playout Services

VIVACOM provides managed and hosted Playout solutions. Our fully redundant services combined with satellite transmission provide end-to-end media delivery solutions. Our Network Operation Centre monitors Playout and satellite services 24/7.

VSAT Services

VIVACOM offers dedicated satellite capacity for point-to-point and shared data links. The company operates iDirect VSAT Hub platform supporting the latest DVB-S2X technology which ensures better throughput efficiency, optimized cost for the customers and higher reliability. VIVACOM provides land and maritime VSAT coverage via various satellites depending on customer needs.

Satellite Collocation Services

VIVACOM offers collocation of customer equipment including rack space, redundant power supply, air conditioning, fire suppression, fiber connectivity, security and first level support. Plana Teleport has 48 000 sq.m. land for customers' antenna collocation.

Main MCPC Platforms

Our main MCPC distribution platforms for uplink of radio and TV channels are:

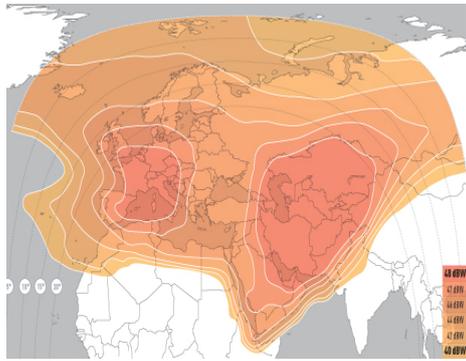
Europe – Eutelsat 36E, Intelsat 45E, Eutelsat 7E Europe, Hellas Sat 39E

Africa – Eutelsat 8W, Eutelsat 7E Africa, Yamal 55E

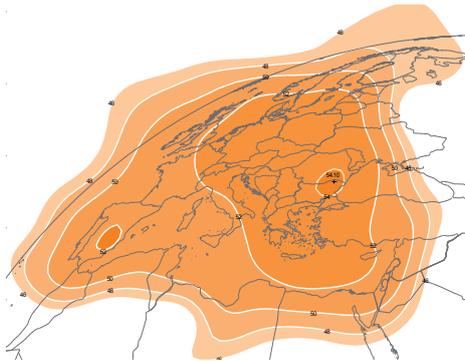
Latin America – SES 40W

Asia – ABS 75E

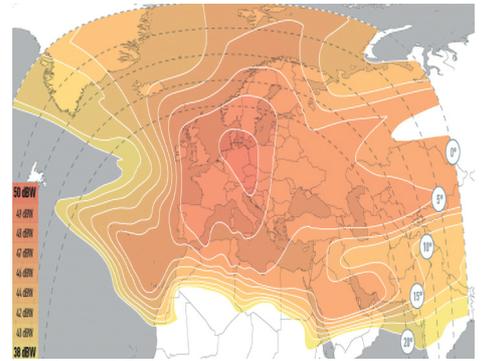
VIVACOM has available capacity for prompt launch of new TV and radio channels. VIVACOM also provides uplink services to any satellite from 40W to 90E.



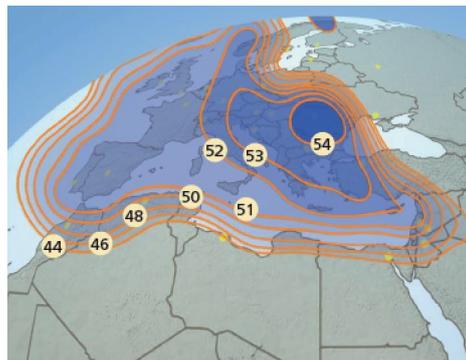
Eutelsat 36E Ku band



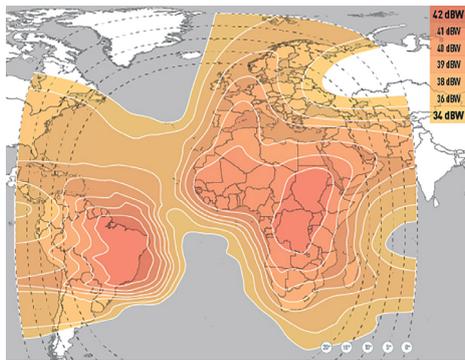
Intelsat 45E Ku band



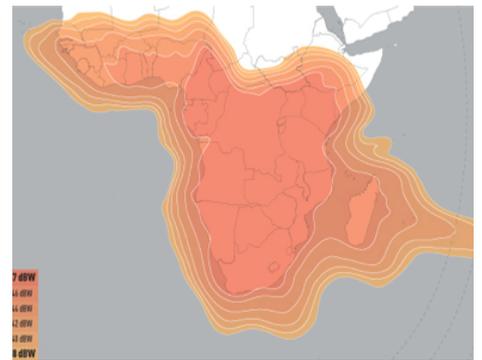
Eutelsat 7E Europe Ku band



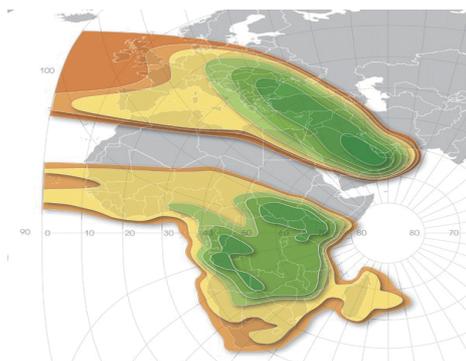
Hellas 39E Ku band



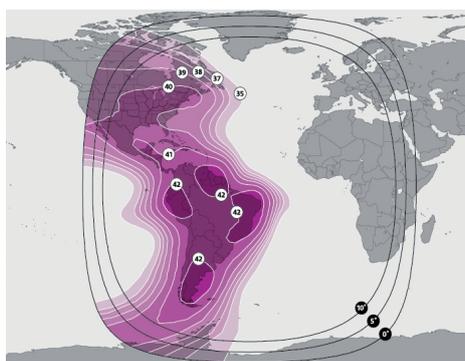
Eutelsat 8W C band



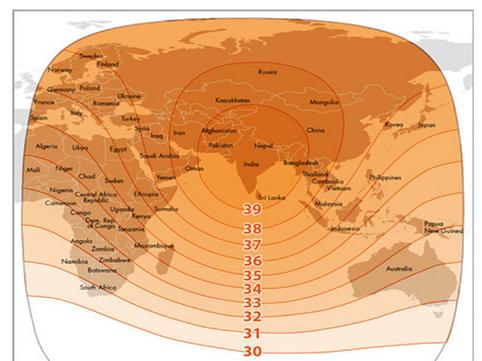
Eutelsat 7E Africa Ku band



Yamal 55E Ku band



SES 40W C band



ABS 75E C band



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