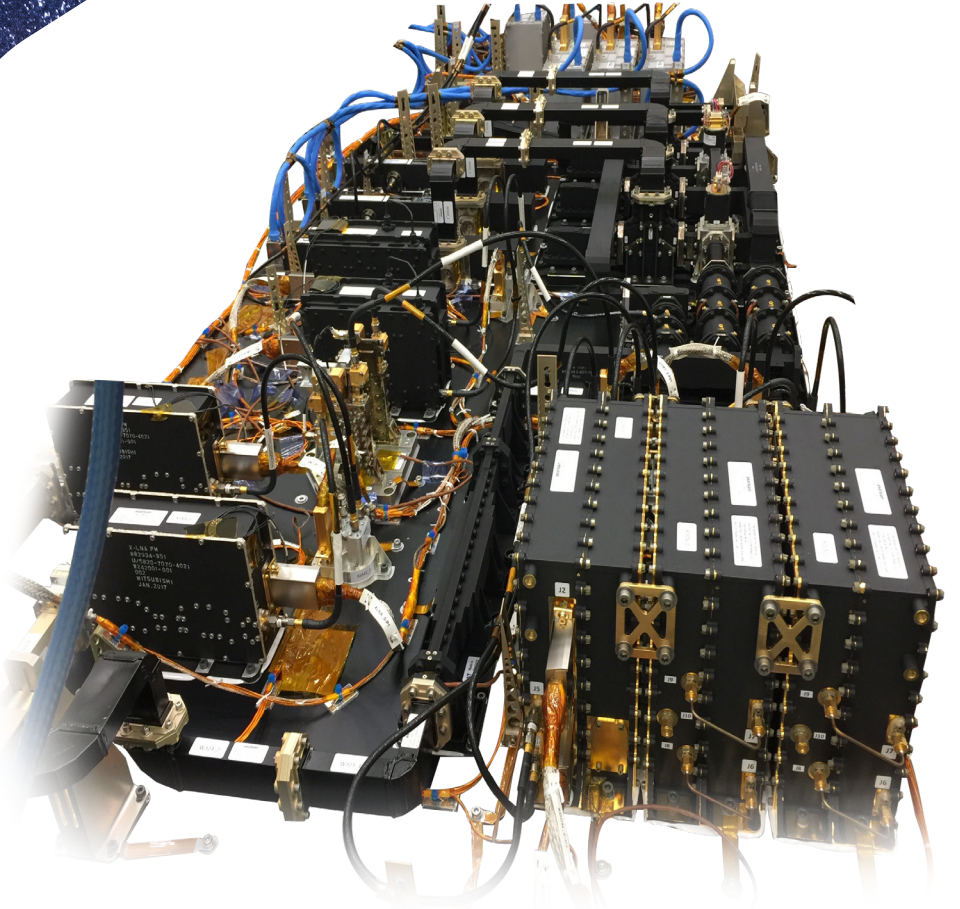


KU-BAND COMMUNICATION  
SATELLITE PAYLOAD

#SatelliteandSpace





## KU-BAND COMMUNICATION SATELLITE PAYLOAD

ASELSAN's LOCUS GEOKu Product, which is comprised of 20 transponders, is indigenously designed, manufactured, integrated, tested and verified according to GEO Satellite Platform needs by ASELSAN with maximum national capabilities.

The critical equipment serving under the Payload, namely Türkiye Coverage Antenna, Ku-Band Receiver, INET and Payload Interface Unit are also developed by ASELSAN's experienced personnel.

LOCUS GEOKu is used to meet all kind of satellite communication needs for 'Broadcast Satellite Services'.

### Technical Specifications

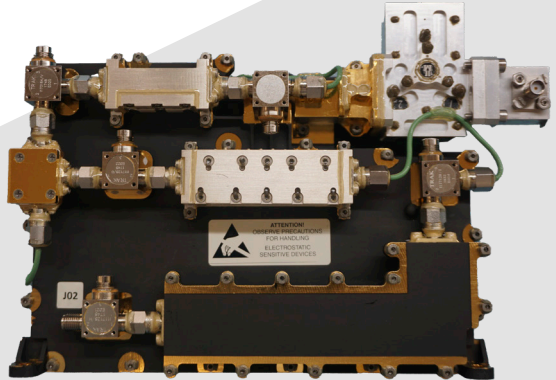
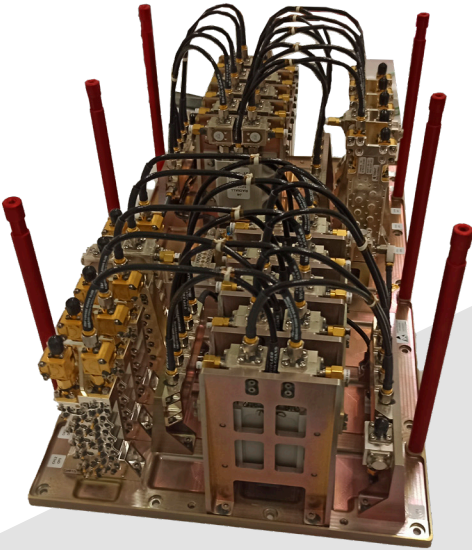
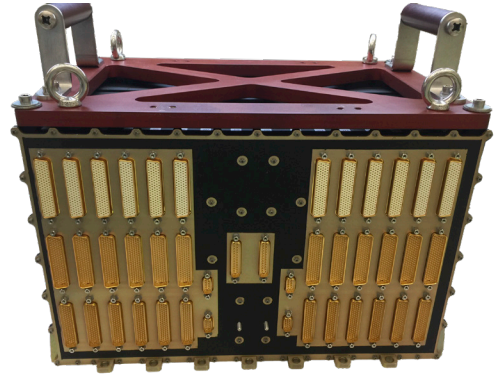
- Transparent communication payload architecture
- 16 main, 4 redundant channels (each 33 MHz)
- Supports fixed gain control and automatic level control modes
- Radiation cooled TWTAs
- Minimum 153 W TWTA output RF power
- Minimum 15 years mission lifetime

### Transponder Frequency Allocations

- Uplink: 17.3-18.35 GHz
- Downlink: 11.7-12.75 GHz

### Coverage Areas

- East
- West
- Türkiye



Specifications are subject to change without any notice. | All tolerances are within  $\pm 10\%$ .