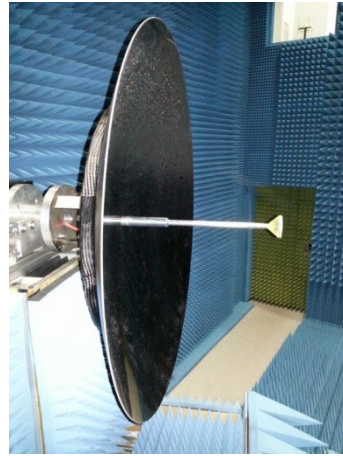
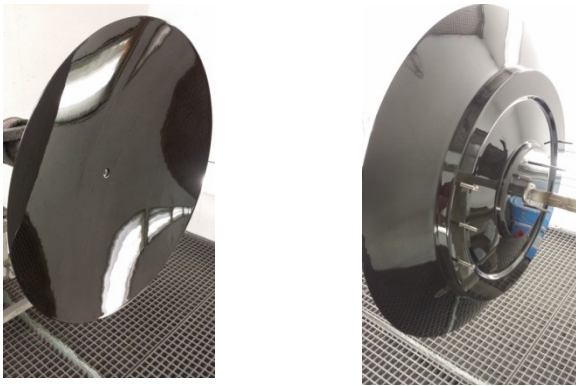


# RQT-Ka100cm 100 cm Ka-Band Antenna Systems

RQT-Ka100cm antenna system is designed as a high-end compact and robust Ka-band antenna systems. The system comprises of Antenna reflector, feed chain filters, polarizer and related microwave parts. The system is compliant with ITU-R S.465 and EUTELSAT ESOG120 standard.

## Key benefits

- Adaptable antenna system
- Eutelsat and ITU-R S.465 compliant
- Robust Ka band antenna system
- Optional integrated BUC and LNB
- Applicable for SOTM or fixed terminals

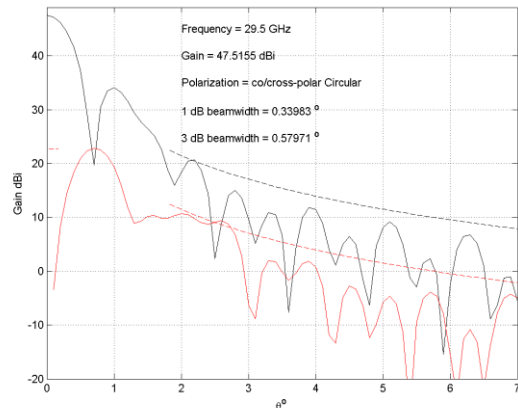


Typical 100 cm antenna system gains and half power beam widths.

Frequency (GHz)	Gain dBi
19.20	43.5
20.20	44.0
29.00	47.0
30.00	47.3

The antenna system is tailored to fit the customer mechanics and interface. If required the system parameters can be adjusted to fit the customer needs.

Application	Ka-band reflector system
TX Frequency	29.0 – 30 GHz
RX Frequency	19.2- 20.2 GHz
Polarity	Circular RHCP up / LHCP down, mechanical pol. change,
Antenna	Ring focus back fire feed
Flange for connections	WR28 WR42
Main reflector	Diameter 100cm, depth 20cm
Return-loss Tx/Rx	20 dB
Isolation Tx-Rx	70 dB



Antenna patterns for typical 100 cm solution showing full compliance with ITU-R460 & Eutelsat ESOG120.