

<b>Technical Data S- / X- Band Feed Network *)</b>					
		<b>S- Band</b>		<b>X- Band</b>	
		<b>Transmit</b>	<b>Receive</b>	<b>Transmit</b>	<b>Receive</b>
1.	Frequency	2.025 - 2.120 Ghz	2.200 - 2.300 GHz	---	8.075 - 8.400 GHz
2.	Polarization	Cicular	Cicular	---	Cicular
3.	Feed Port Polarisations	RHCP + LHCP	RHCP + LHCP	---	RHCP+ LHCP
4.	Tracking Capability		Monopulse (two channel)	---	Monopulse (two channel)
5.	VSWR (Return loss)	< -22 dB	< - 22dB	---	< -20 dB
6.	Axial Ratio	< 0.30 dB	< 0.30 dB	---	< 0.25 dB
7.	Feed Insertion Loss	< 0.175 dB	< 0.175 dB	---	< 0.4 dB
8.	Port RHCP to Port LHCP Isolation	< -19 dB		---	< - 25 dB
9.	Power handling Capability	≤ 2 kW		---	---
*) Data without S- Band Transmit-/Receive Diplexers (optional available)					

For this unique Network a suitable Dual- Band Feedhorn can be designed and delivered for any existing or new Reflector System based on the geometrical optics to be supplied by customer.



Picture shows Feed Network (without Diplexers) equipped with an S-/ X- Band Feedhorn for 15.5 m Cassegrain Antenna