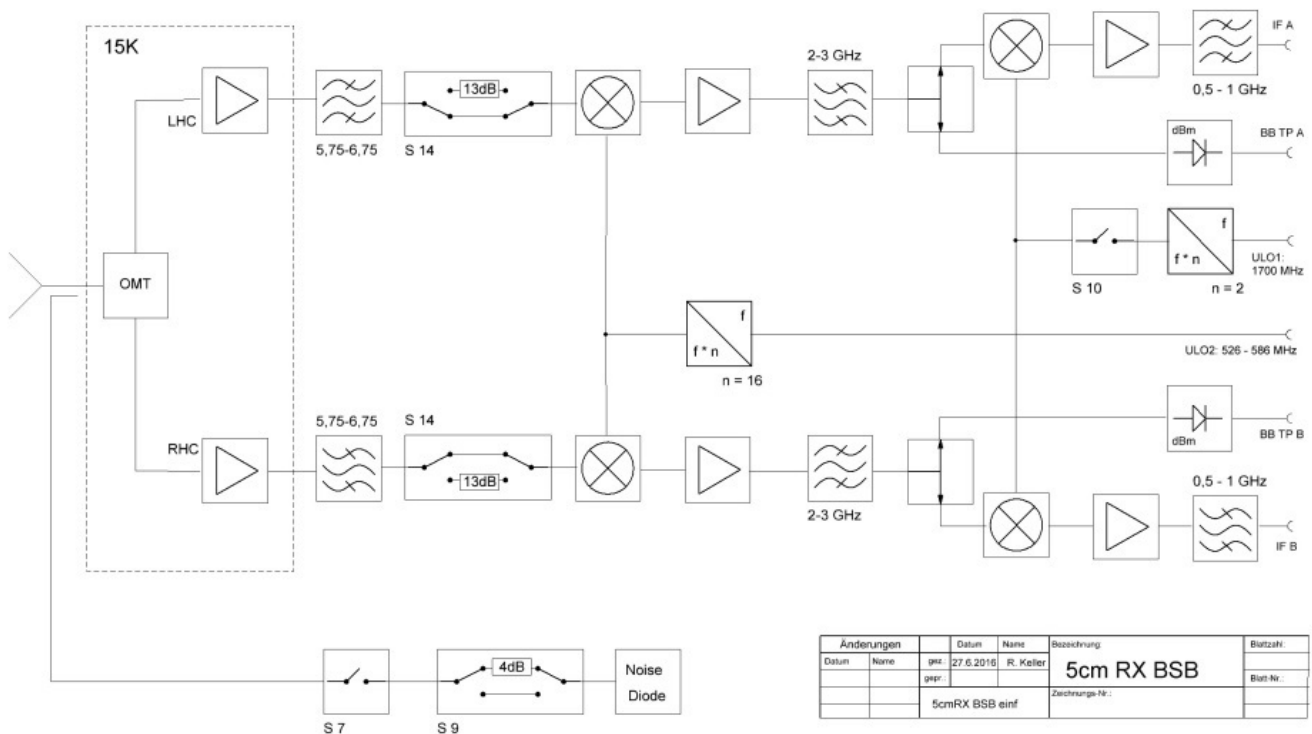


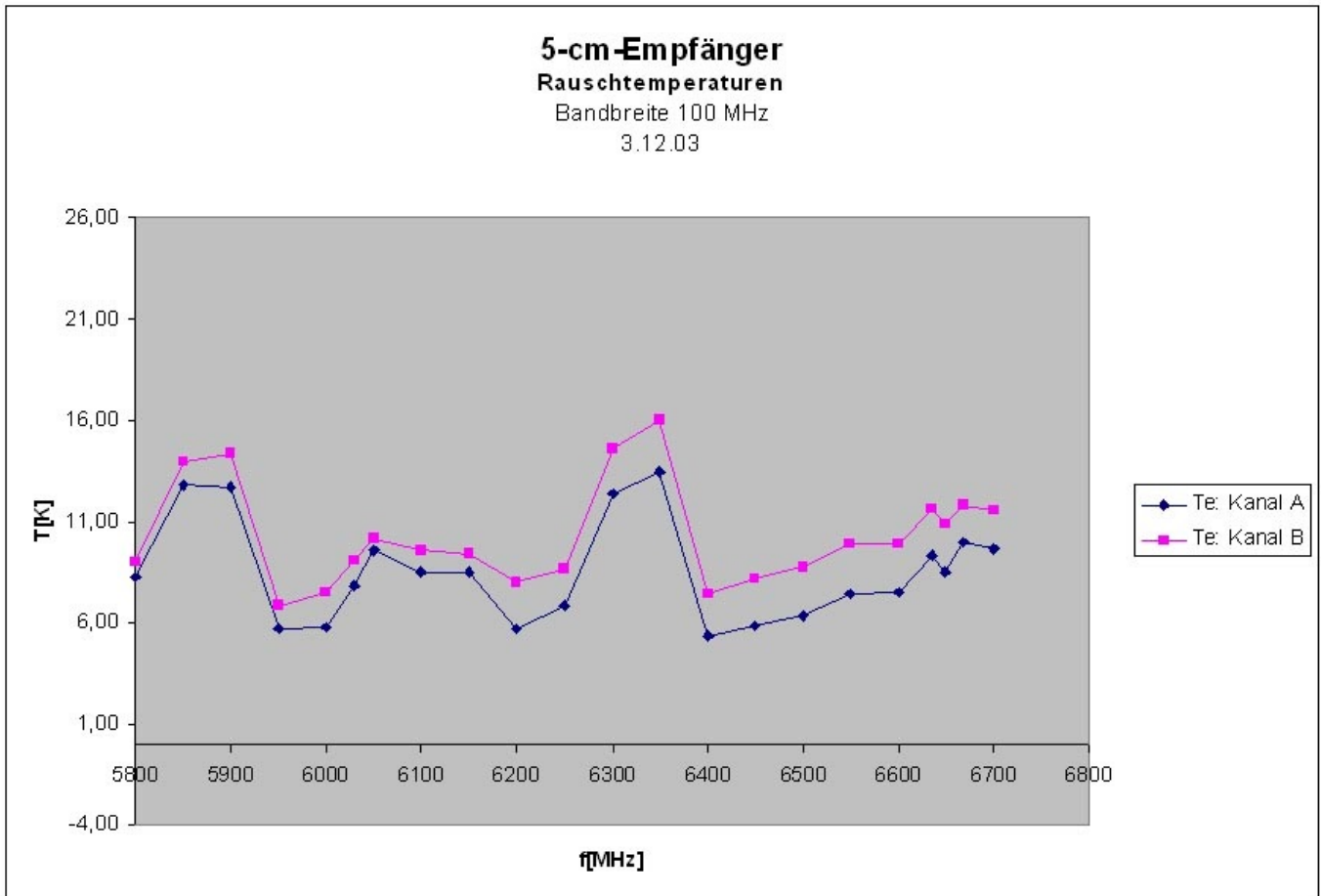
# Technical Documentation of the 50mm Receiver 5.75 - 6.75 GHz (P50mm)

Type	HEMT ,Cooled
Channels	2
Receiver Noise Temperature	85K
Frequency Range	5.75 - 6.75 GHz
Bandwidth RF-Filters-fixed	1 GHz
Polarization	LHC and RHC
Calibration	Noise Diode
feed	Prime Focus Horn
1. Oscillator	ULO2 526 - 586 MHz (x16)
1. IF	2 - 3 GHz
2. Oscillator	ULO1 1700 MHz (x2)
2. IF	500 - 1000 MHz

## Block Diagram



## Receiver Noise Temperature



## Comments

This two-channel system with cooled HEMT pre-amplifiers has been designed for spectroscopy and VLBI observations.

This system is part of Primary Focus Multi Frequency Box #2 (PM 2).

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