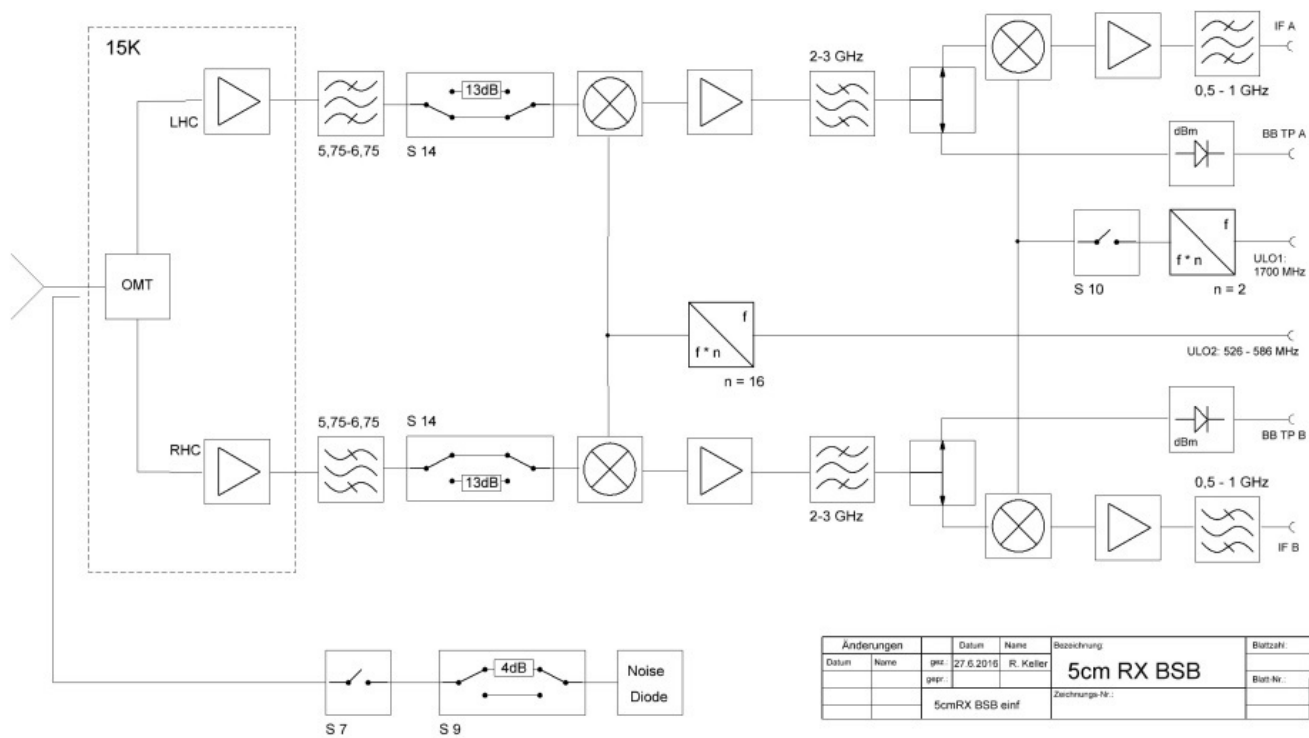


Technical Documentation of the 90mm Receiver 3.2 - 3.6 GHz (P90mm)

Type	HEMT Cooled	
Channels	1	
Receiver Noise Temperature	30K	
Frequency Range	2.86 GHz - 3.14 GHz and 3.29 GHz - 3.6 GHz	
Bandwidth RF-Filters-fixed	1 GHz	
Polarization	linear	
Calibration	Noise Diode	
1. IF	100 - 200 MHz	
1. Oscillator	ULOx4	USB: 690 - 735 MHz
		LSB: 860 - 925 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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