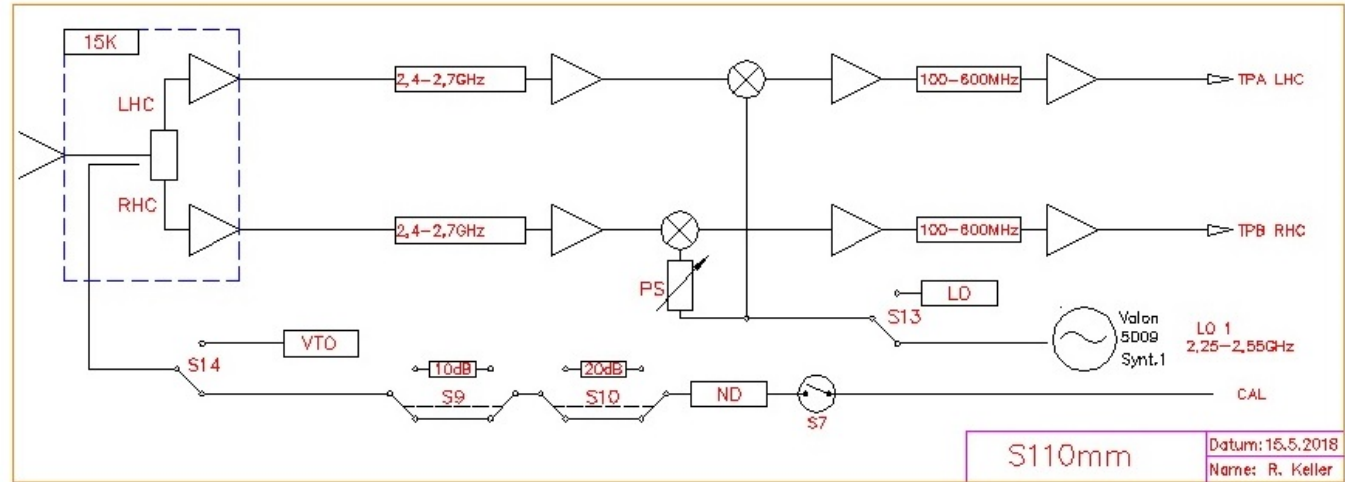


Technical Documentation of the 11 cm Receiver 2.7 GHz (S110mm)

Type	HEMT cooled	
Channels	2	
Receiver Noise	4K	
Frequency range	10.3 - 10.6 GHz	
Polarization	LHC/RHC	single horn
Calibration	Noise diode	
Polarimeter	8 Channel Polarimeter	
1st IF	2.2 - 2.3 GHz	
	LO1 Valon 5009	fsynt. 1 = 4.15 GHz x 2 (LO1 = 8.3 GHz)
2nd IF	100 - 200 MHz	
		Synthesizer 2 = 2.1 GHz



Simplified Block Diagram of the receiver, (RK on 15.5.2018)

From:
<https://eff100mwiki.mpifr-bonn.mpg.de/> - Effelsberg 100m Teleskop

Permanent link:
https://eff100mwiki.mpifr-bonn.mpg.de/doku.php?id=electronics:rx:techinfo:documentation_11cm_rx_s110mm&rev=1576233907

Last update: 2019/12/13 11:45