

# 4.5cm broad band C/X secondary focus receiver (4000-9300 MHz)

To be installed soon.

## Calibration Information

Frequency [GHz]	Channel	Polarisation	Tcal [K]	Tsys [K]	Sensitivity [K/Jy]	SEFD [Jy]	Aperture Eff. [%]	TMB/S [K/Jy]	Main Beam Eff. [%]	FWHM [arcsec]	Last update
4.850	A / B	LCP / RCP	1.8	27	1.55	18	53	2.4	63	146	June 2008
normalized Gain curve (G = A0 + A1·Elv + A2·Elv2)							Observed in	confirmed			
A0 = 0.9928		A1 = 4.212E-4		A2 = -6.158E-6		Jun 2016					

## Comments:

- The gain curve was corrected for opacity (though it is small, < 0.02 throughout the band).

## Version description for OBSINP

## Channel assignment in the MBFITS data files

## Tcal and Tsys measurements

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

Permanent link:  
[https://eff100mwiki.mpifr-bonn.mpg.de/doku.php?id=information\\_for\\_astronomers:rx:s45mm&rev=1480449457](https://eff100mwiki.mpifr-bonn.mpg.de/doku.php?id=information_for_astronomers:rx:s45mm&rev=1480449457)

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