

Detecting Jupiter at 77.5 GHz

Sergei Zhutyaev (RW3BP) have successfully measured the noise temperature of Jupiter to be 0.0037 dB on his system having about 1100K system temperature. Calculating the target temperature using the provided details translates to about 140K that matches the Jupiter's temperature as measured by other instruments.

The very high sensitivity and resolution of the measurement was carried out by an IF radiometer module(*) from **LC-Technologies** (of Luis Cupido (CT1DMK)) that proved capable of stable and reliable sub 0.001dB resolution measurements.

(*) <http://www.cupidotech.com/prod.html>

