

Comparison between Dstar Correlator and Master version in the D-Star

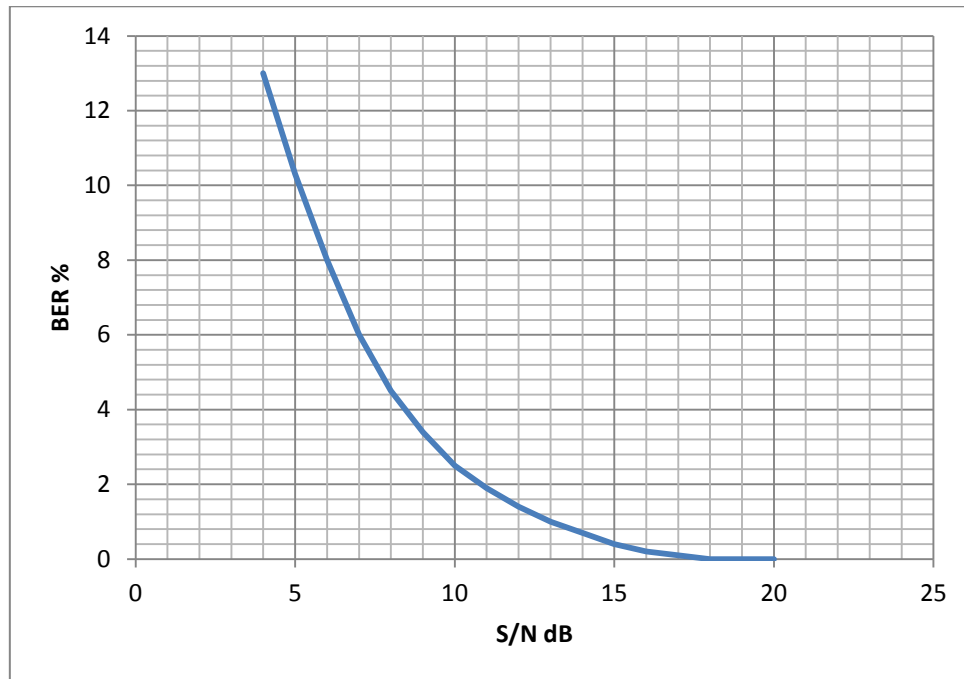


Figura 1: BER % in function of the S/N in the Dstar Correlator

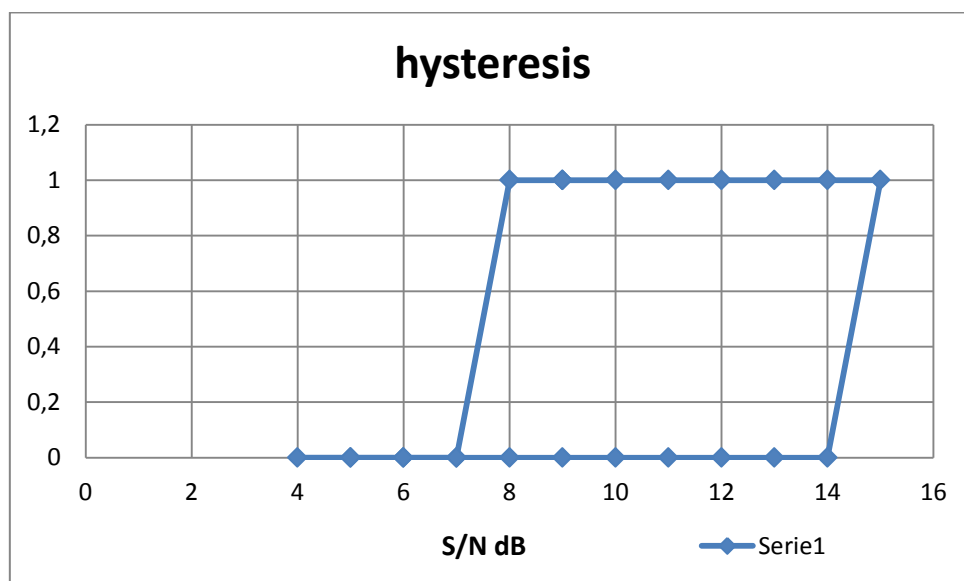


Figura 2: Hysteresis in function of the S/N in the Dstar Correlator

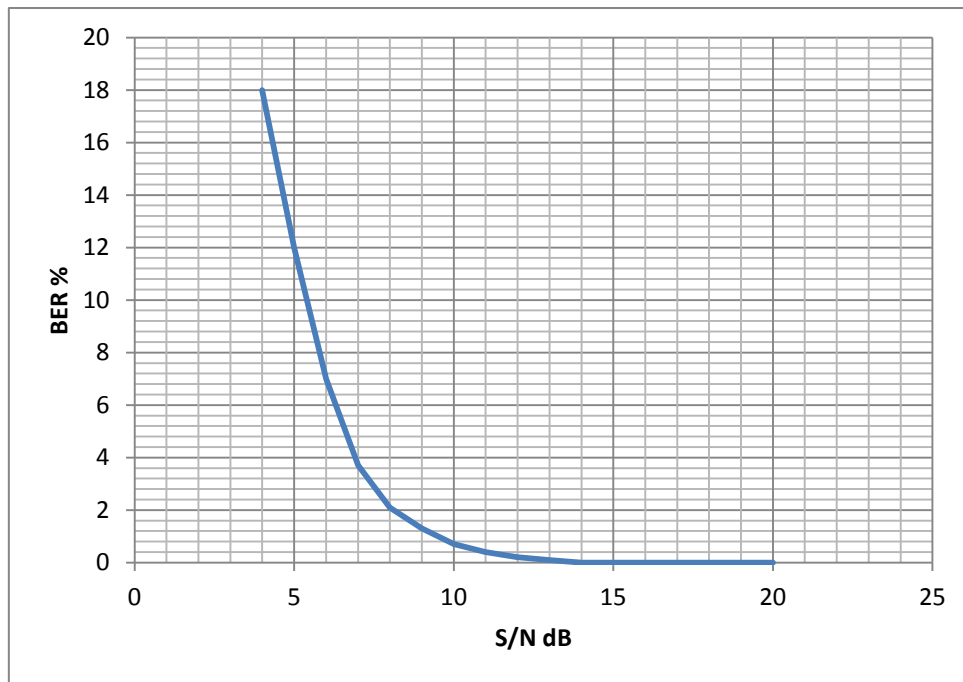


Figura 3: BER % in function of the S/N in the Dstar Master

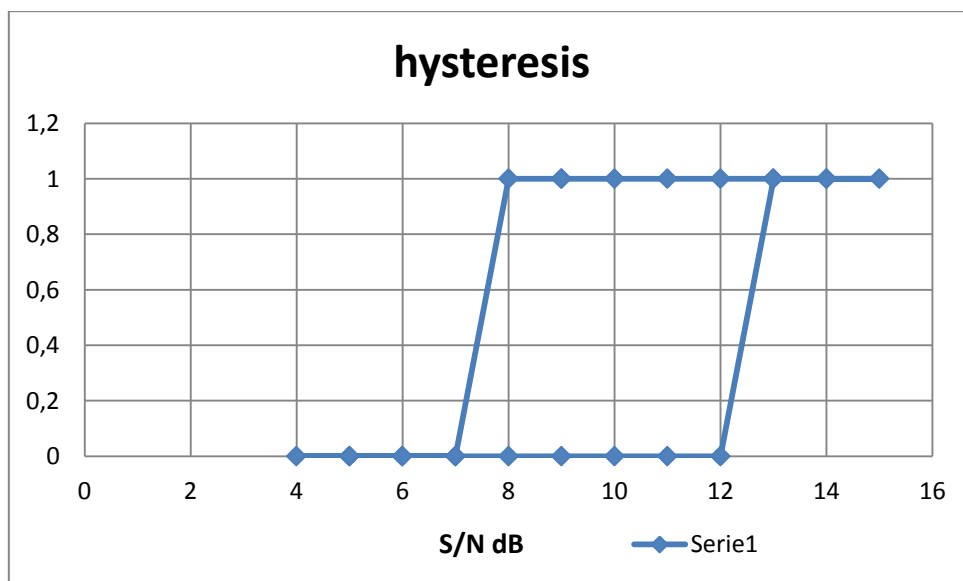


Figura 4: Hysteresis in function of the S/N in the Dstar Master

Looking at the graphs the difference between the two versions and the trend of the BER. In the dstar correlator grows gradually what's on the Master and lows up to a point and then grows fast; Hence hysteria is also different. The difference found in the 2 versions and that in the Dstar correlator even though there is more BER the modulation remains good, with 5% remaining understandable with voice interference without big whistles and various noises. The effect is analogous to c4fm and dmr.

I think you can definitely improve that thing.