



NATIONAL RADIO ASTRONOMY OBSERVATORY

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FROM: John Webber

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COMMENTS: Let r^2 = amplitude error (rms over band) and
 θ = rms phase error. Then rejection of unwanted component at
hybrid output is $\frac{1+r^2-2r\cos\theta}{1+r^2+2r\cos\theta}$. Plot shows lines of
constant rejection for amp/phase errors - e.g. 1.7 dB amplitude or
12° phase both give -20 dB contamination. (From Tony Kerr)

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LO Noise Rejection

