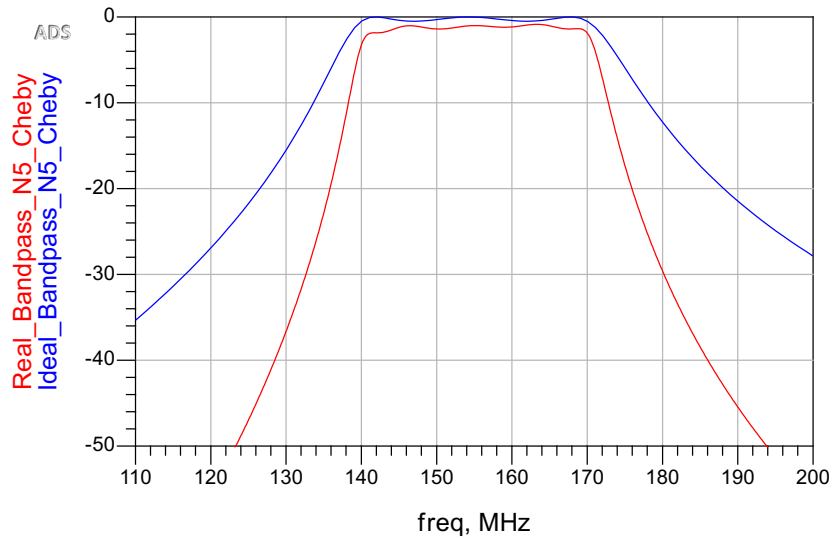


Eqn Ideal\_Bandpass\_N5\_Cheby = dB("Low\_Pass\_1.5GHz\_Filter"..S(6,5))

Eqn Real\_Bandpass\_N5\_Cheby = dB(S(2,1))

Eqn Real\_Bandpass\_bw3dB = bandwidth\_func(db(S21),0)

Eqn Ideal\_Bandpass\_bw3dB = bandwidth\_func(dB("Low\_Pass\_1.5GHz\_Filter"..S(6,5)),0)



| Real_Bandpass_bw3dB |
|---------------------|
| 2.862E6             |

| Ideal_Bandpass_bw3dB |
|----------------------|
| 3.891E6              |

Eqn Real\_Bandpass\_center\_f = center\_freq(db(S21), 3)

Eqn Ideal\_Bandpass\_center\_f=center\_freq(dB("Low\_Pass\_1.5GHz\_Filter"..S(6,5)), 3)

| Real_Bandpass_center_f |
|------------------------|
| 1.554E8                |

| Ideal_Bandpass_center_f |
|-------------------------|
| 1.553E8                 |

Eqn Real\_IL\_dB = -10\*log10(1-pow(mag(S(1,1)),2))

Eqn Ideal\_IL\_dB = -10\*log10(1-pow(mag("Low\_Pass\_1.5GHz\_Filter"..S(5,5)),2))

Power\_RF = 0 dB Here

Insertion Loss (The more positive the more loss)

