We present a study of the dijet invariant mass spectrum in events with two jets produced in association with a W boson in data corresponding to an integrated luminosity of 4.3 fb^{-1} collected with the D0 detector at \sqrt{s}=1.96 TeV. As we do not find an evidence for anomalous resonant dijet production in the mass range 110-170 GeV, we derive upper limits on the production cross section of a dijet resonance reported by the CDF Collaboration.