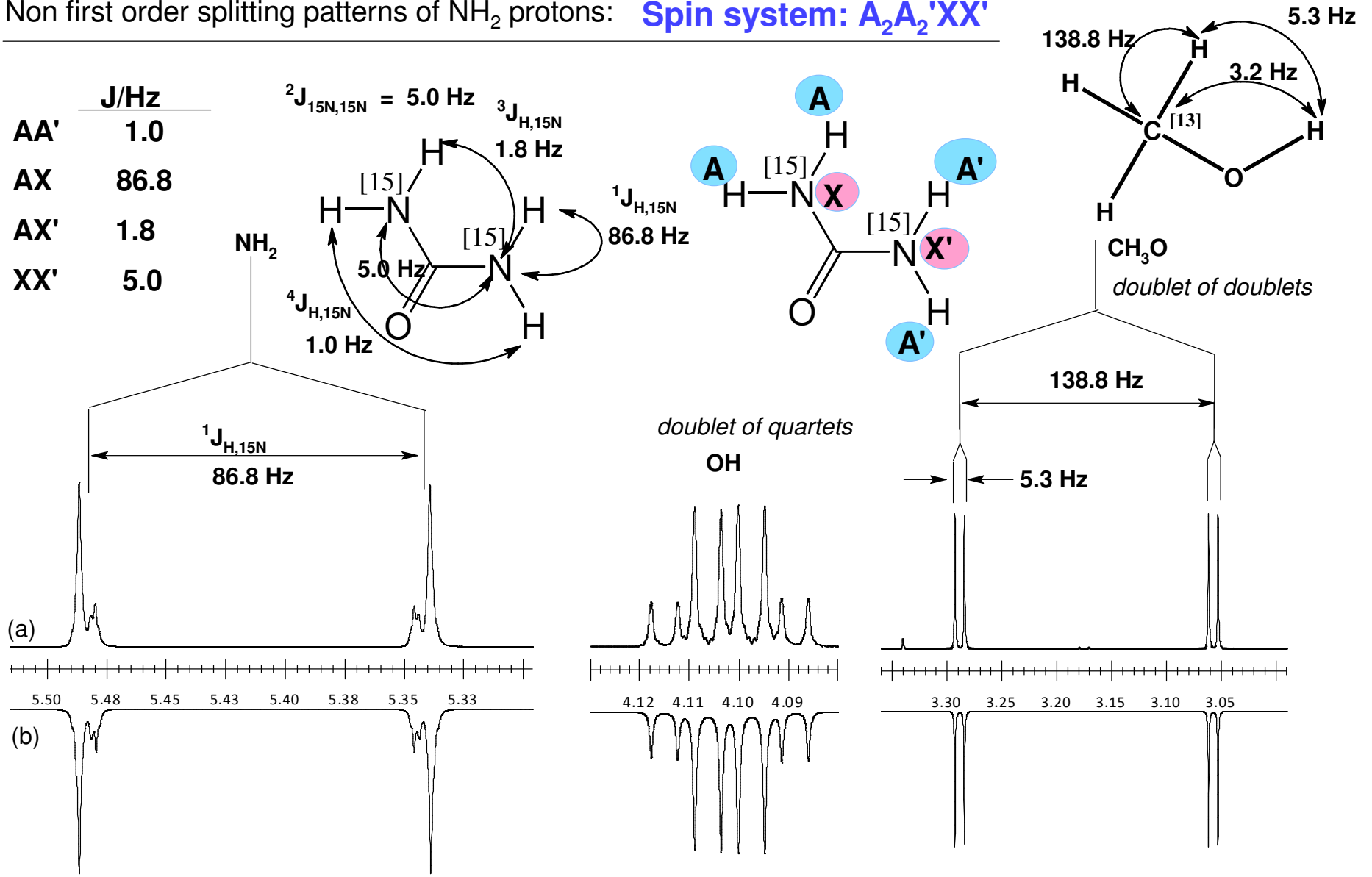


Experimental (a) and calculated (b) ^1H NMR spectra of labeled ^{15}N Urea + labeled ^{13}C Methanol in $\text{DMSO-}d_6$

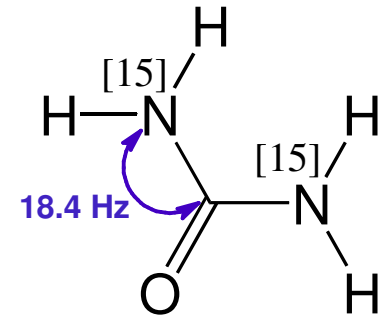
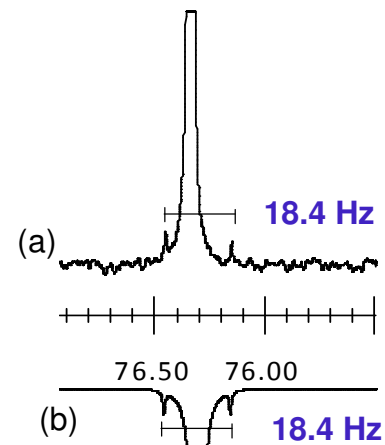
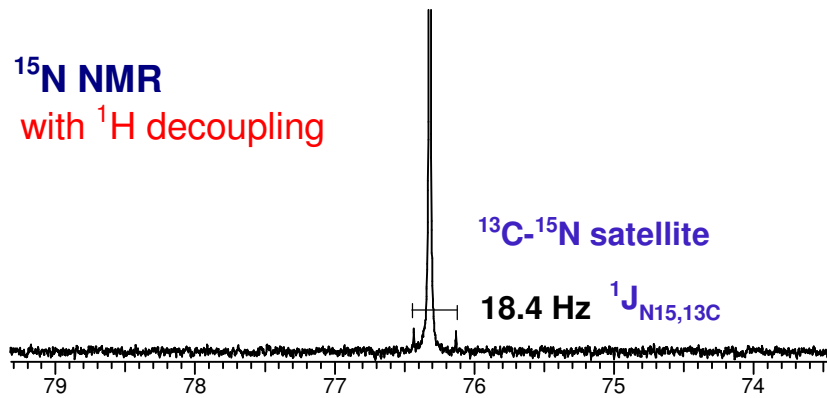
Non first order splitting patterns of NH_2 protons: **Spin system: $\text{A}_2\text{A}'_2\text{XX}'$**



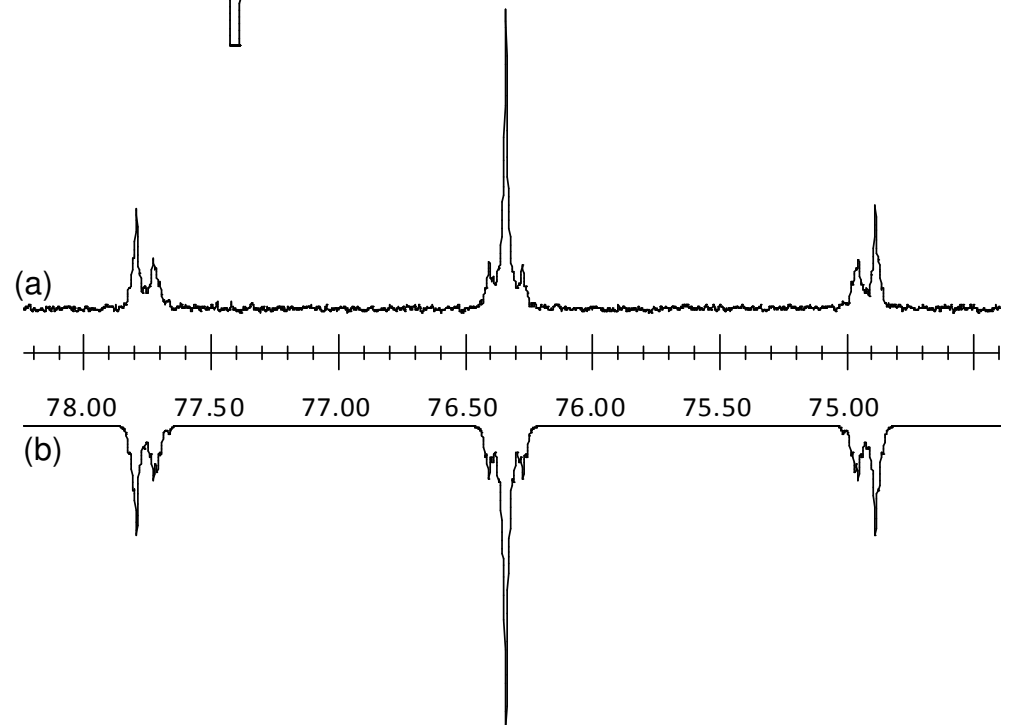
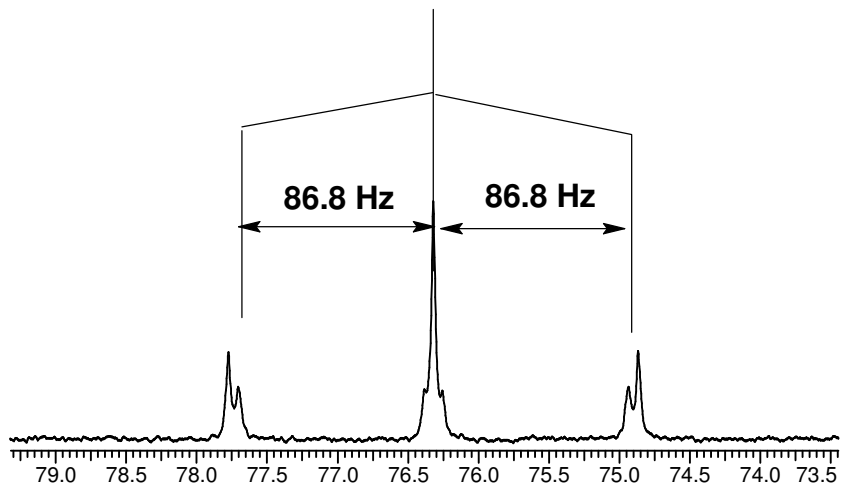
(Back to back representation)

Experimental (a) and calculated ^{15}N NMR spectra with and without ^1H decoupling

^{15}N NMR
with ^1H decoupling



^{15}N NMR
without ^1H decoupling



Experimental (a) and calculated (b) ^1H NMR spectra of labeled ^{15}N Urea + labeled ^{13}C Methanol in $\text{DMSO-}d_6$
(Back to back representation)

