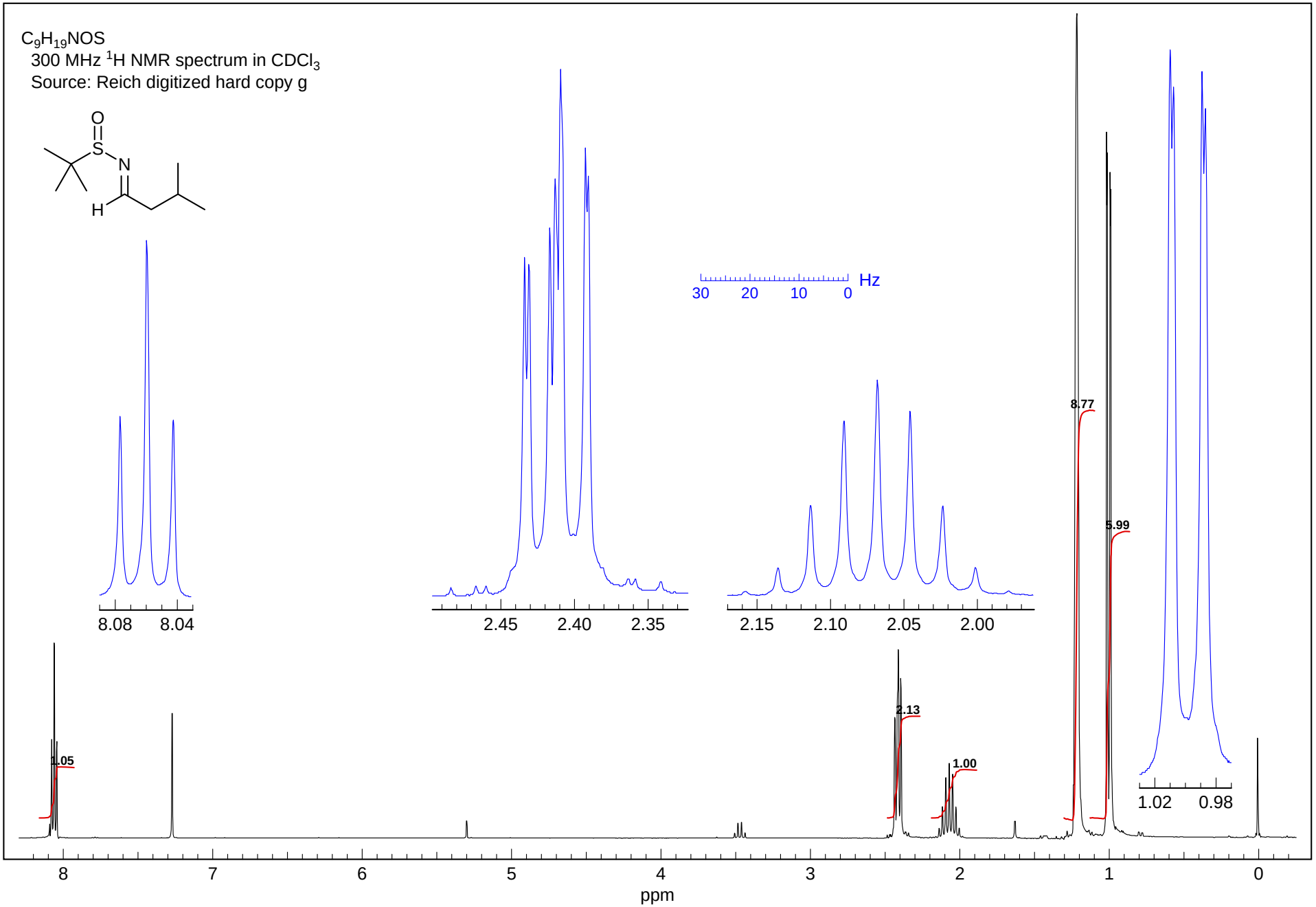
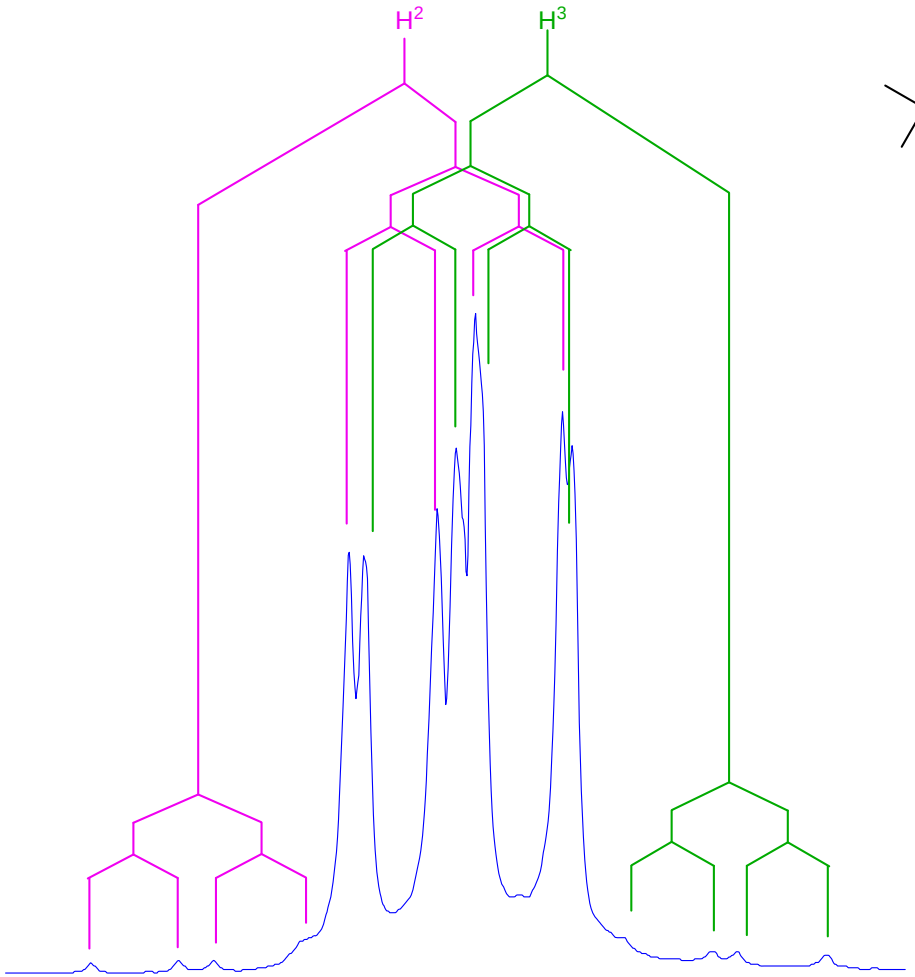
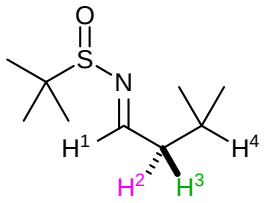


PLT NMR-butanal-3-methyl-tbu-sulfinylimine-g.plt





A simulation with WINDNMR using the parameters shown confirms the assignments. Note that the line separations do not give an accurate representation of actual coupling constants.

The disastereotopic CH_2 signals could easily be mistaken for a slightly mis-shapen ddd, it is actually a closely spaced AB quartet, each line of which is split into a dd.

Parameters (in Hz)

ν_2 = 29.16	ν_3 = 24.18	
J_{12} = 5.2	J_{13} = 5.2	J_{14} = 0
	J_{23} = -15.0	J_{24} = 7.3
		J_{34} = 6.7

PLT NMR-butanal-3-methyl-tbu-sulfinylimine-g.plt