



Diagram of the spectrum obtained after transformation of the FID from the $\text{CHCl}_3 / \text{CH}_2\text{Cl}_2$ sample. The fundamental ^1H frequency is 200.000 MHz. The reference frequency is 200.010 MHz, obtained by adding an offset (TO) of 10,000 Hz to the fundamental frequency. After subtracting out the reference RF frequency, the audio frequencies range from $-\text{SW}/2$ to $+\text{SW}/2$ with zero in the center. The chemical shift scale in ppm is constructed from the spectral reference (TMS at 0.00 ppm) and the relation $1 \text{ ppm} = 200 \text{ Hz}$