600 HCN RT z-axis Probe Default Parameters

- ***Tuning for Ubiquitin***
  - $^{1}H \sim 55$
  - $^{13}C \sim 65$
  - $^{15}N \sim 65$
- ***Offsets***
  - tof ~ 212 (~4.77 ppm at 25 deg C)
  - dof2 (^{15}N) ~ xxxx (~119 ppm)
- ***Pulse widths***
  - ^{1}H: pw =9.2 at tpwr = 59
  - ^{13}C: pwC = 12.3 at pwClvl = 61
  - ^{15}N: pwN = 41 at pwNlvl = 60
  - ^{2}H: H2pwD = xxxx at H2pwDlvl = xxxx
- ***Deuterium decoupling using channel 4 (assumes garp1 or waltz with pwD90 of 250 usec)***
  - H2dpwr3D = xxxx
  - H2dmf3D = xxxx
- ***Amplifier compressions***
  - compH = 1.00
  - compC = 0.90
  - compN = xxx
- ***Maximum Power Limits (set in ghn_co)***
  - Channel 1: 60 dB
  - Channel 2: 61 dB
  - Channel 3: 61 dB
  - Channel 4: 50 dB
- ***BioPack Power Limits (set in ghn_co)***
  - BPpwrlimits = 0
- ***Gradients***
  - gzlvl1 = 30000, gzlvl2 = 30400 (ratio 0.987)
- Lock level values for lineshape sample
  - Lock power = 20
  - Lock gain = 23
  - Lock level when shimmed well > 80
- ***Gain***
  - Gain values should always be > 18. Values between 20 and 25 are typically good values.