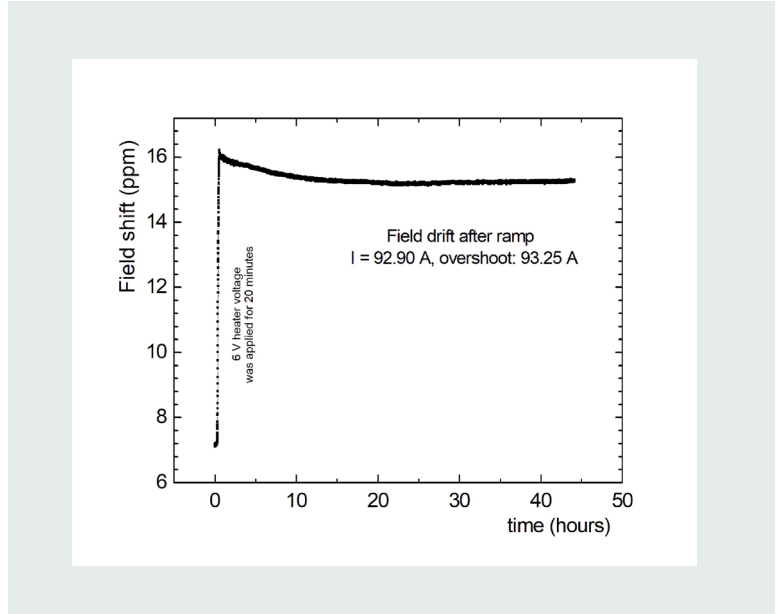


400 MHZ MAGIC ANGLE SPINNING NMR SYSTEM

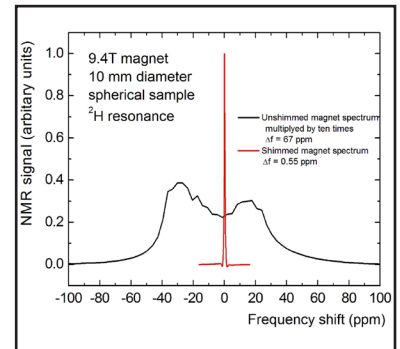
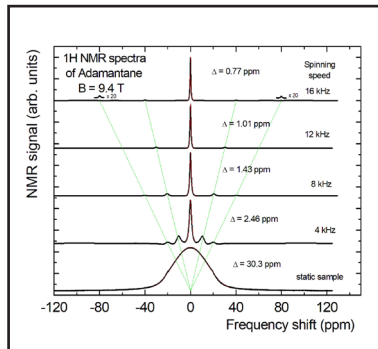
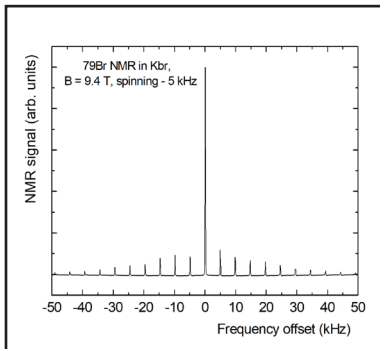


System consist of 9.4T NB magnet Techmag Redstone console and Phoenix 4 mm probe

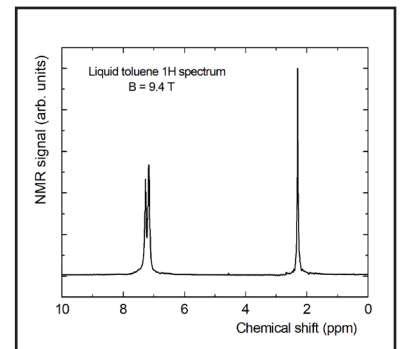
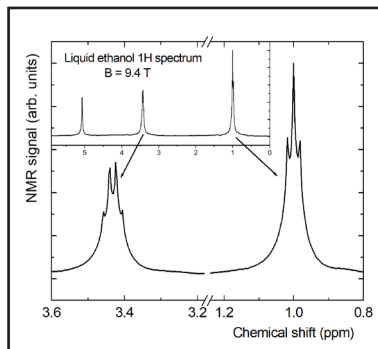
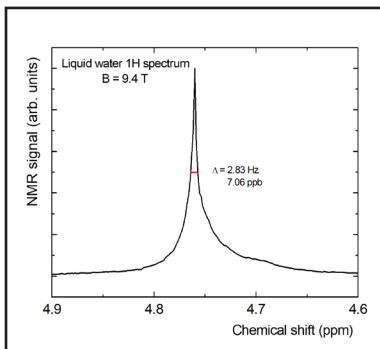


With optimized field overshoot the field settling can be completed within an hour after field ramp

Solid State Spectra:



Liquid State Spectra:



Key features

- » Top or bottom loading probe
- » Temperature range between 2 K to 400 K
- » RT Bore Magnet
- » Magnet set at any field from 0 to maximum field
- » Magnetic field ready for high resolution MAS measurements within 1 hour of field ramp
- » Central field homogeneity: 10 ppm (HHLW) over 10 mm (DSV)

Technical Specifications:

Ø54/89 mm room temperature bore systems

Model	CFM-300 MHz	CFM-400 MHz
Maximum central operating field at 4K	7.05 Tesla	9.4 Tesla
Equivalent Maximum Proton frequency	300 MHz	400 MHz
Shimmed central homogeneity	2 ppm over 20 mm sphere HHLW	
Cryo-shims	Z1, Z2, X, Y, C2, S2, ZX, ZY	
Stabilised Long-term drift rate	≤ 0.1 ppm/hr	
Clear room temperature bore	Ø89 mm and Ø54 mm	
Field Sweep	-7.05 to +7.05 T	-9.4 to + 9.4 T
Typical initial cool-down to operating temperature	~24 - 36 hrs	~36 - 48 hrs
Active magnetic field shielding	Optional	Included

Optional Ø50 mm Vti systems

Model	CFM-300 MHz-50-VTI	CFM-400 MHz-50-VTI-AS
Maximum central operating field at 4K	7.05 Tesla	9.4 Tesla
Equivalent Maximum Proton frequency	300 MHz	400 MHz
Shimmed central homogeneity	1 ppm over 10 mm sphere HHLW	
Stabilised Long-term drift rate	≤ 0.1 ppm/hr	
Top loading VTI space	Ø50 mm	
Typical initial cool-down to operating temperature	~24 hrs	~36 hrs
Active magnetic field shielding	Optional	Included