



Figure 6: Experimental tuning and matching curves measured at 600 MHz, 500 MHz, 60 MHz (^{15}N frequency at 14.1 T) and 125 MHz (^{13}C frequency at 11.7 T). Probe can be tuned to 2 frequencies at a time, above results were measured in pairs of 600 MHz with 60 MHz and 500 MHz with 125 MHz. Decoupling can be performed at all the frequencies as the channel separation is better than 15 decibels at all frequencies.