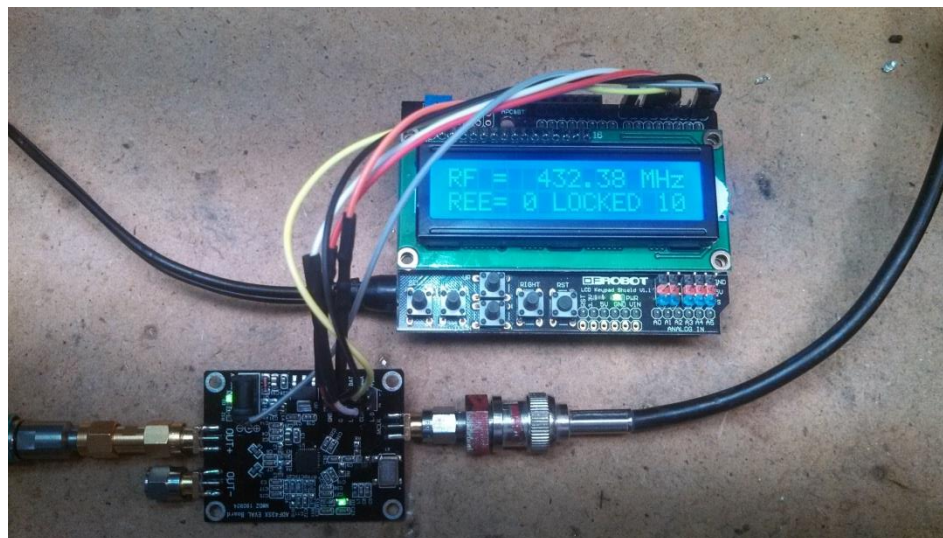
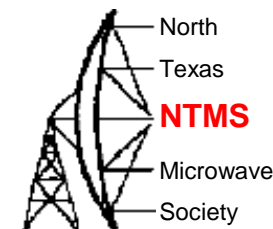


ADF4351 Phase Noise Results

Al Ward
W5LUA
May 6, 2017

ADF4351 & Arduino & LCD Shield



Output 35 MHz to 4.4 GHz

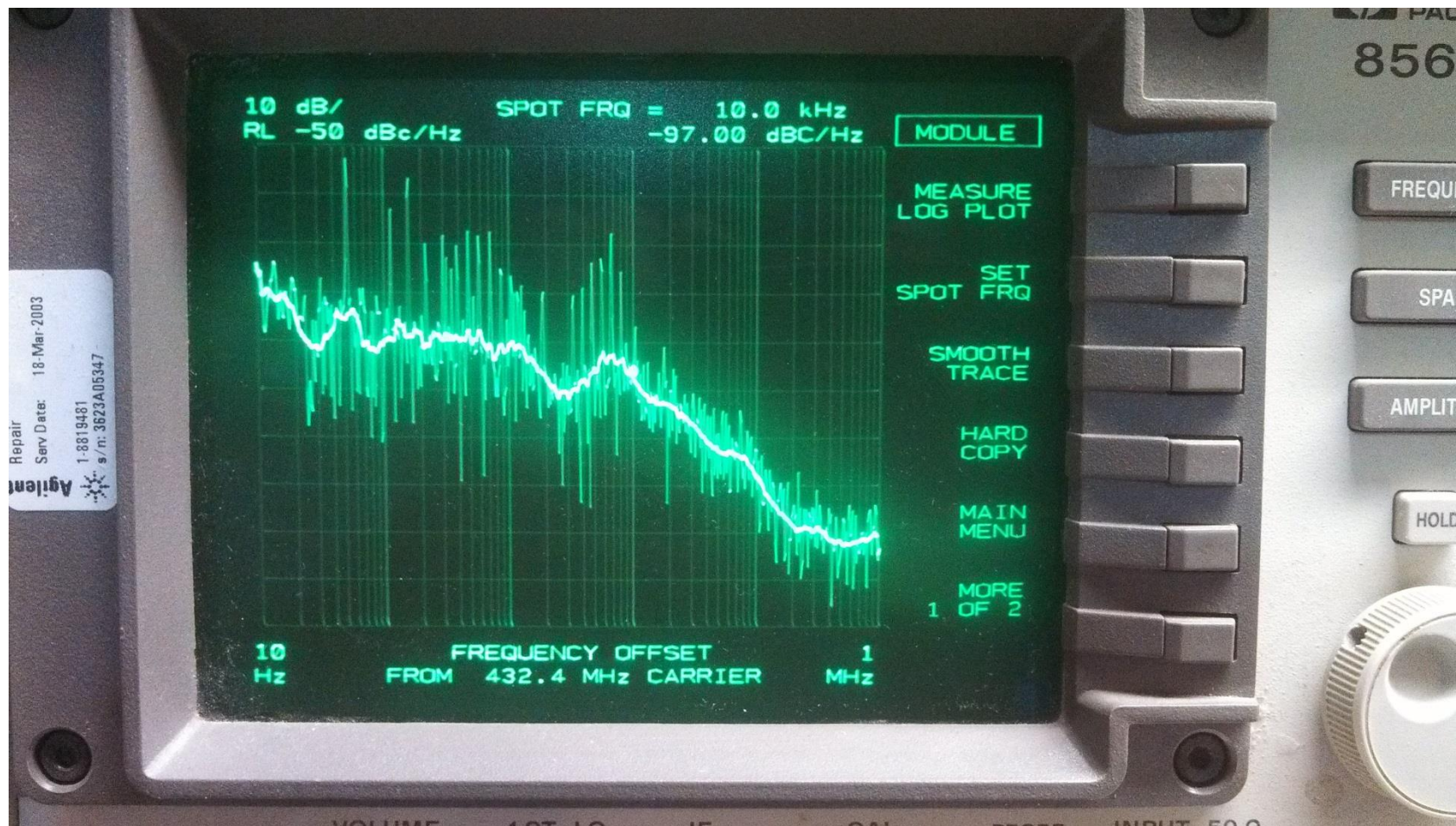
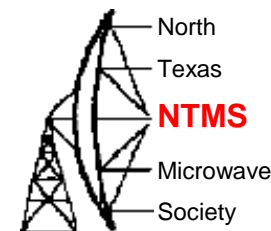
Using F1CJN software and Arduino to drive ADF4351

Internal 20 MHz reference or external reference

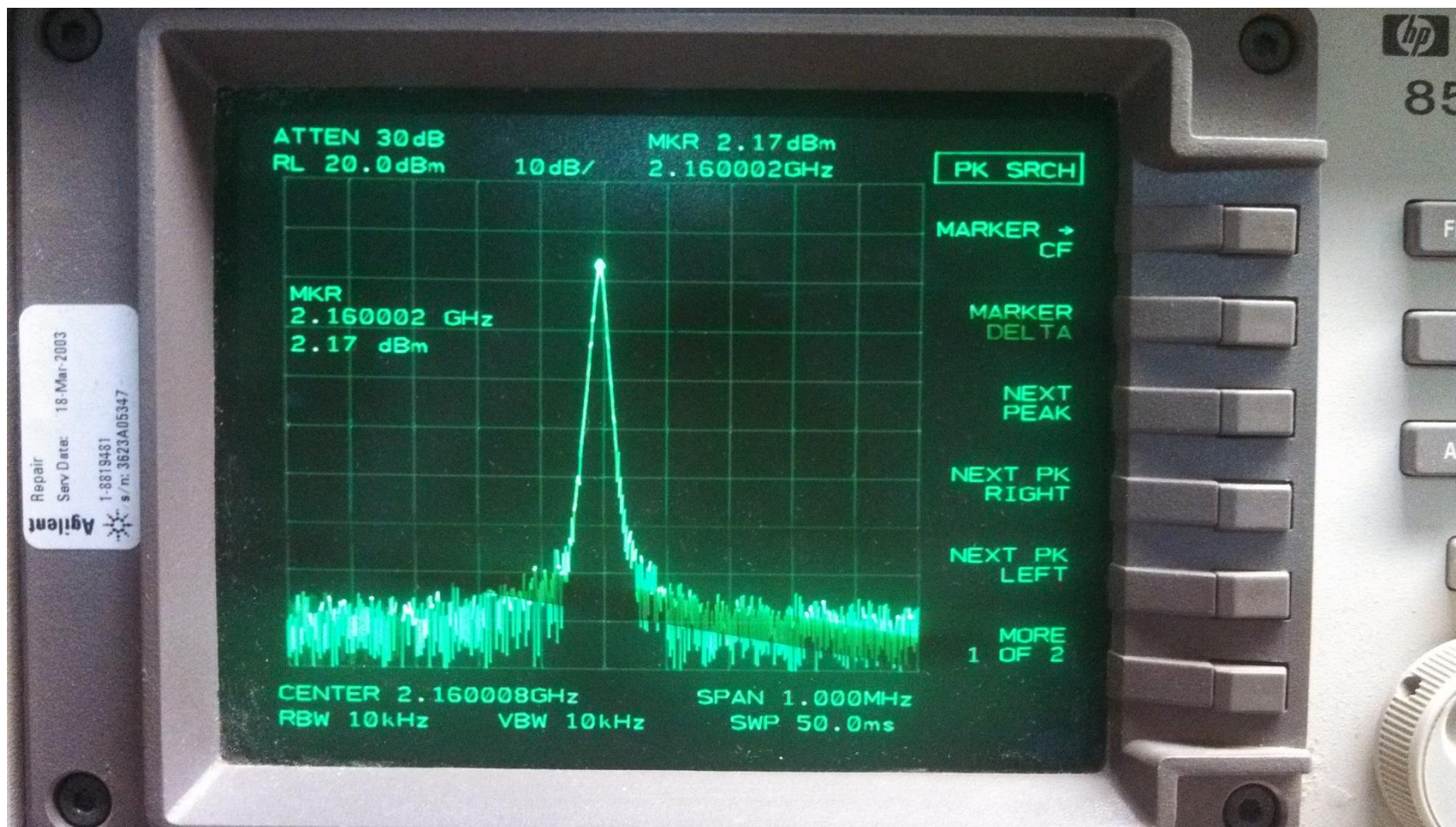
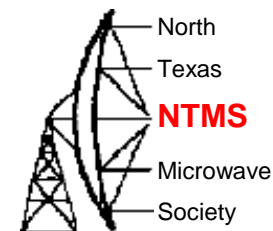
ADF4351 demo board approximately 30 USD from China

The following slides showing phase noise were taken with an external 10 MHz reference at +10 dBm.

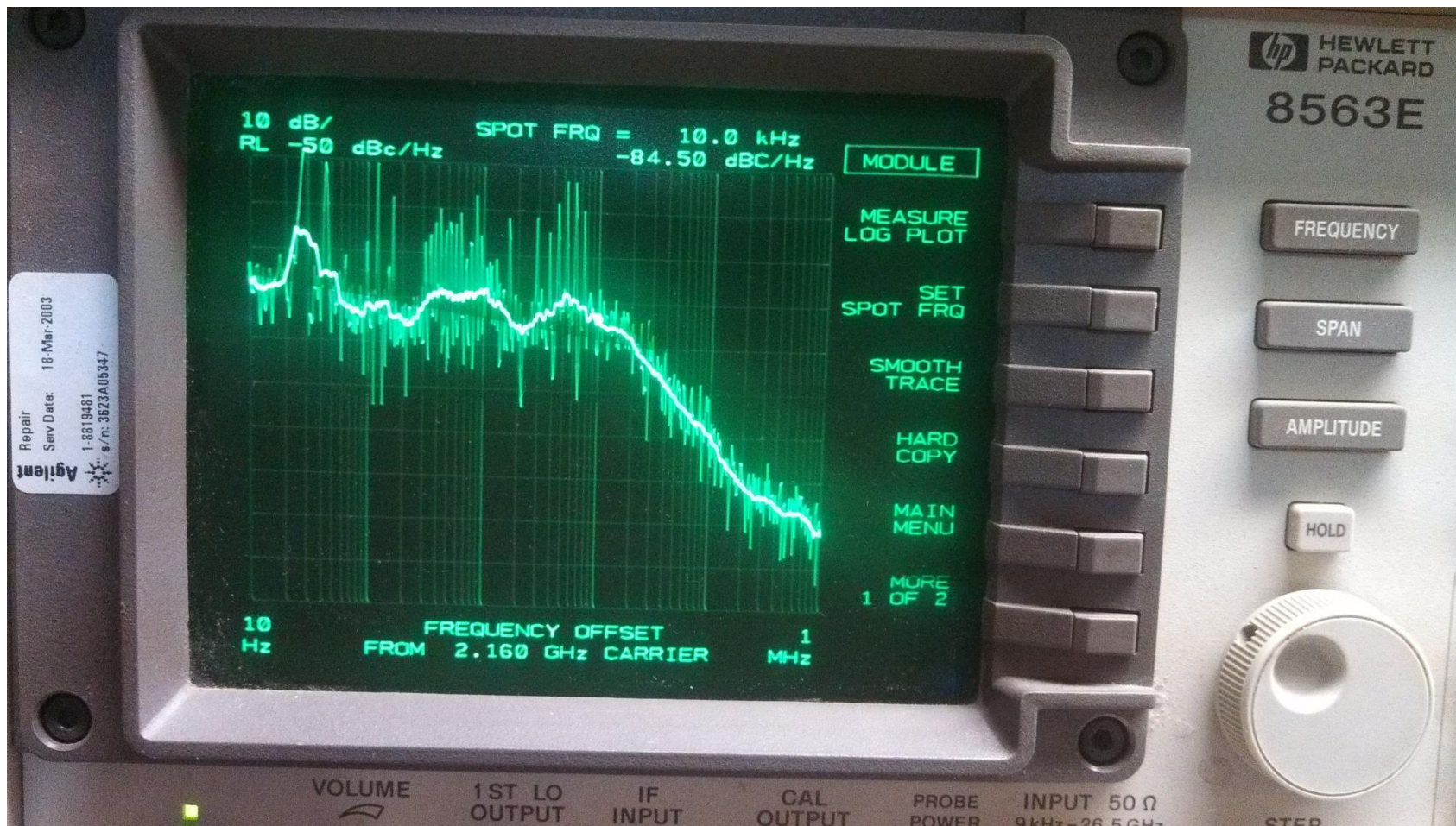
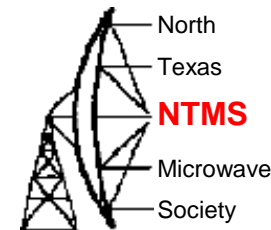
432.380 MHz Phase Noise power by computer USB port



2160 MHz Spectral Display



2160 MHz Phase Noise powered by USB port



2160 MHz Phase Noise powered by HP 6255A P/S

