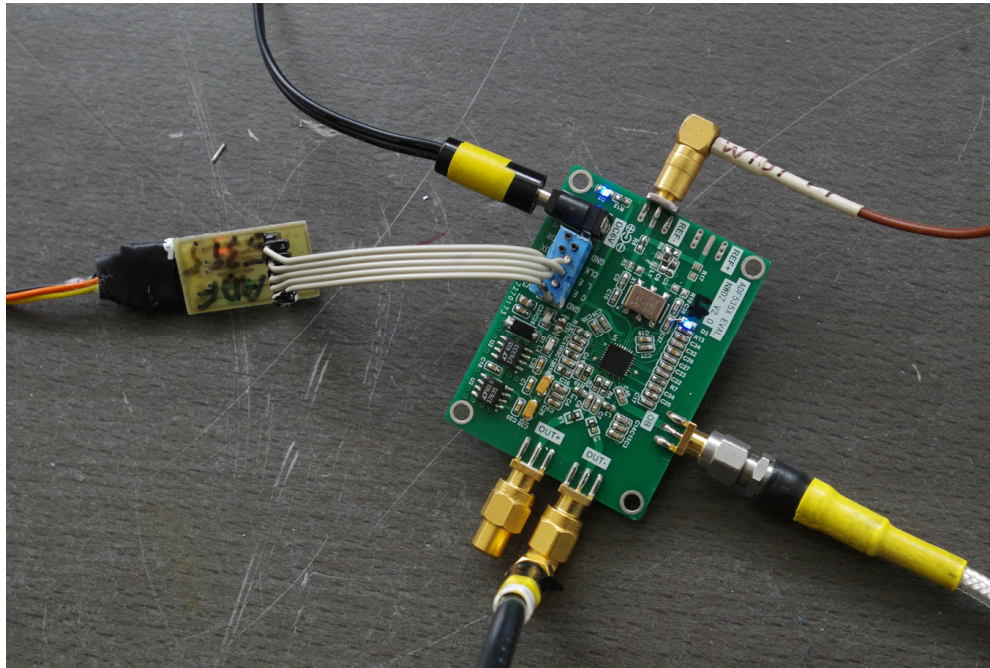


ADF5355 Phase Noise at 10GHz

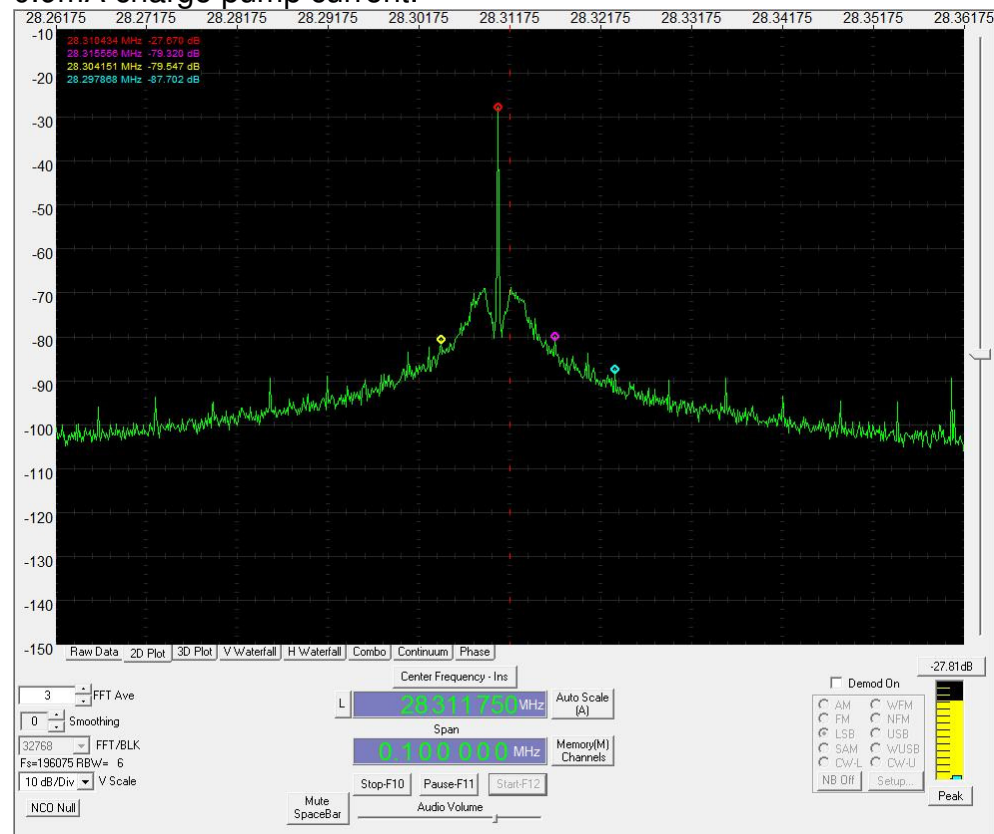
Andy Talbot G4JNTt Sept 2017

Chinese module 'Ebay special'

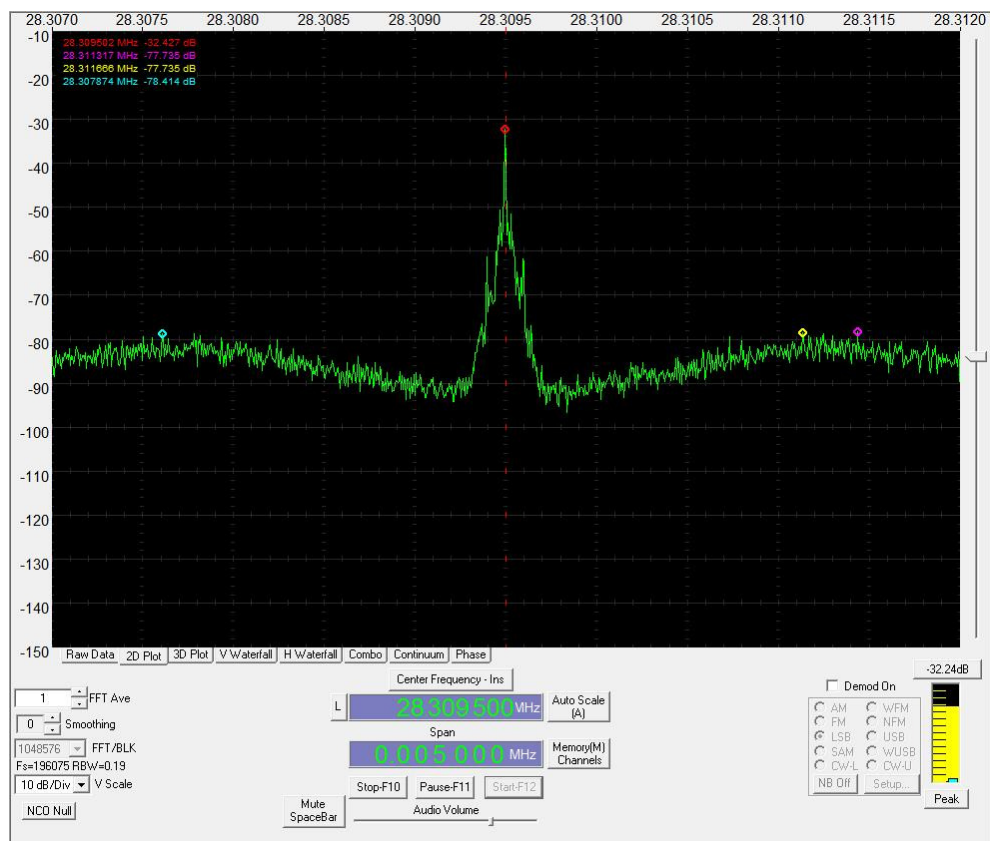


Default settings provided by Analog Devices design software . 10MHz reference input comes from a good quality TCXO and the reference doubler is enabled for a 20MHz Fcomp.

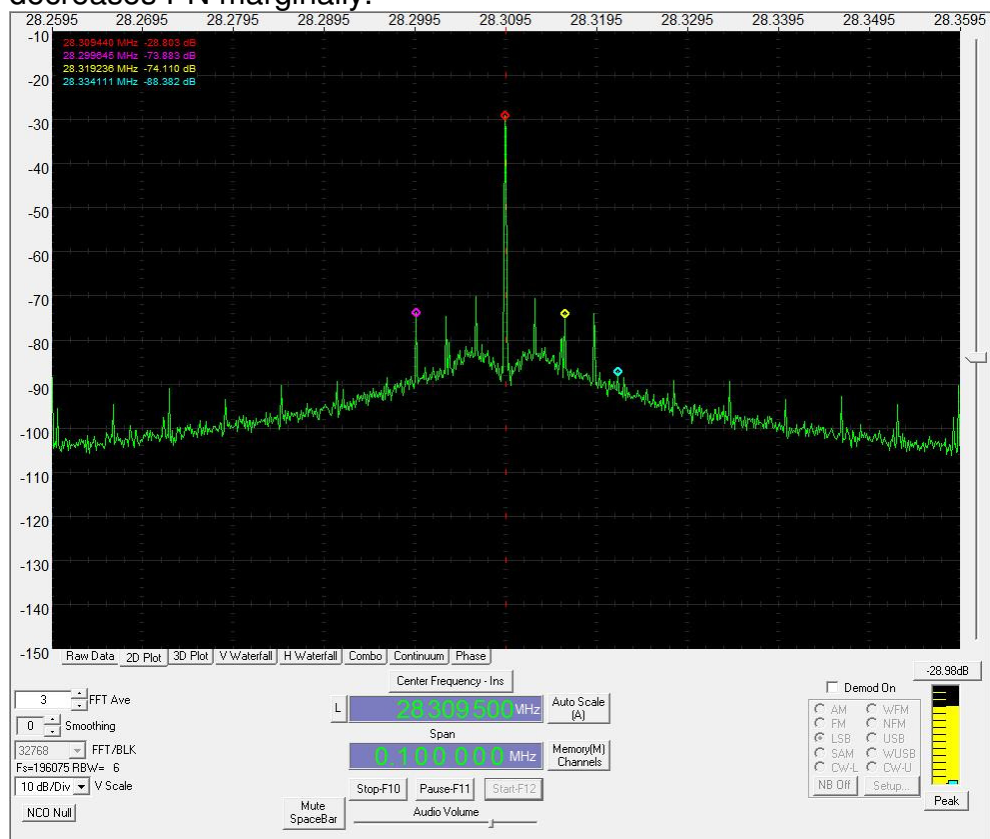
0.9mA charge pump current.



Close in, same register settings



Charge pump current increased to 3mA. Widens loop bandwidth and decreases PN marginally.



Increase Fcomp

40MHz reference input with doubler for 80MHz Fcomp Charge Pump 2mA

