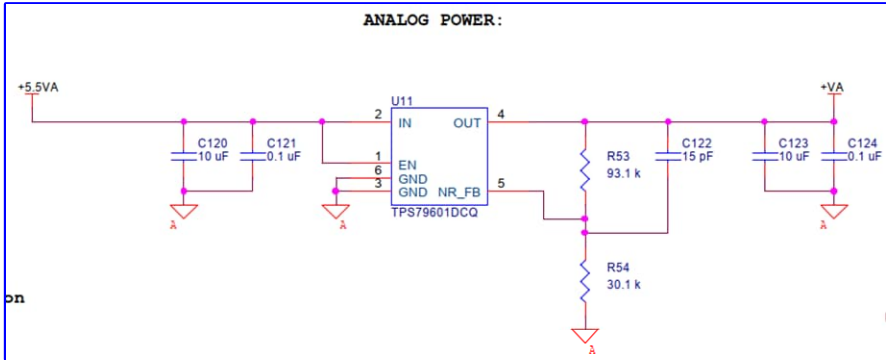
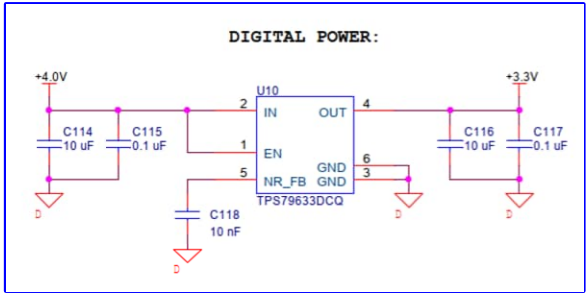


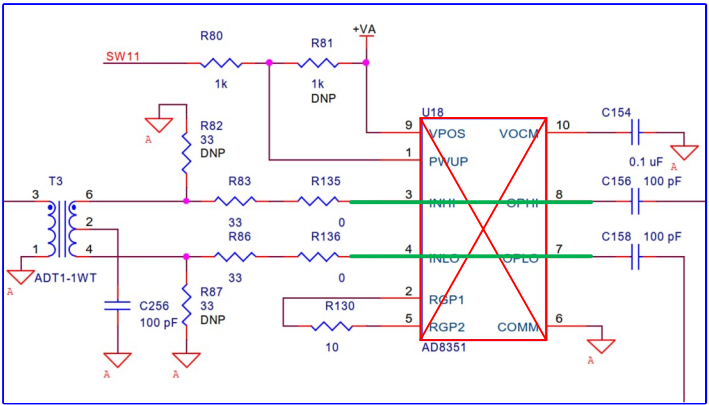
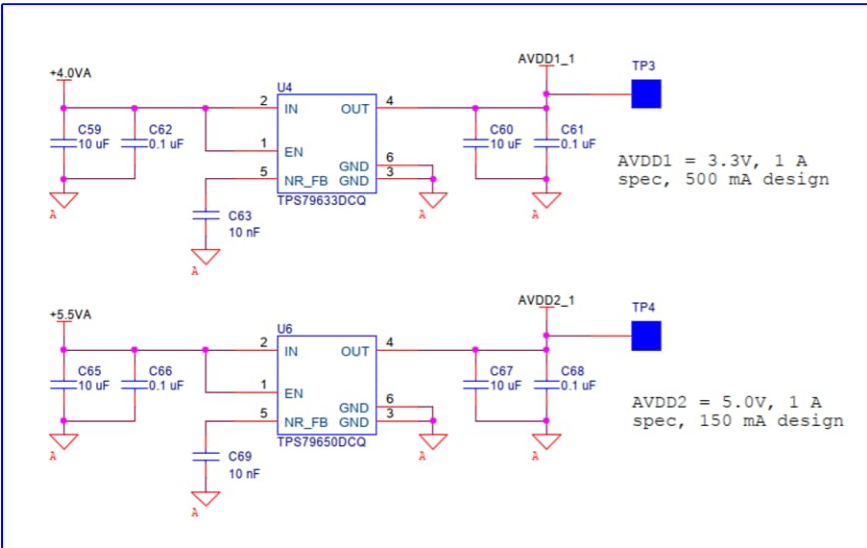
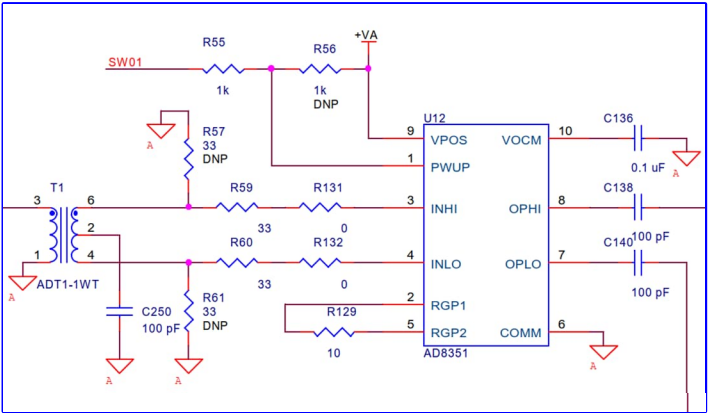
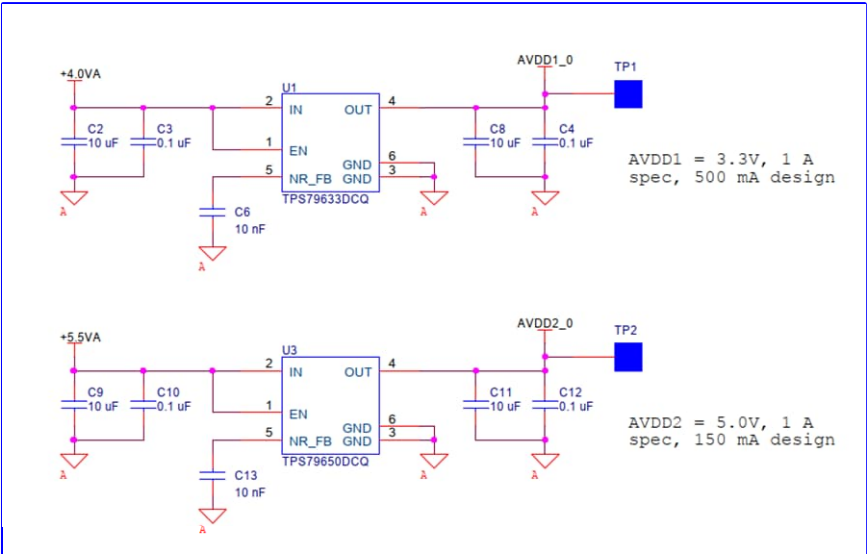
12W (ctacf001) Card 3 – Top Out



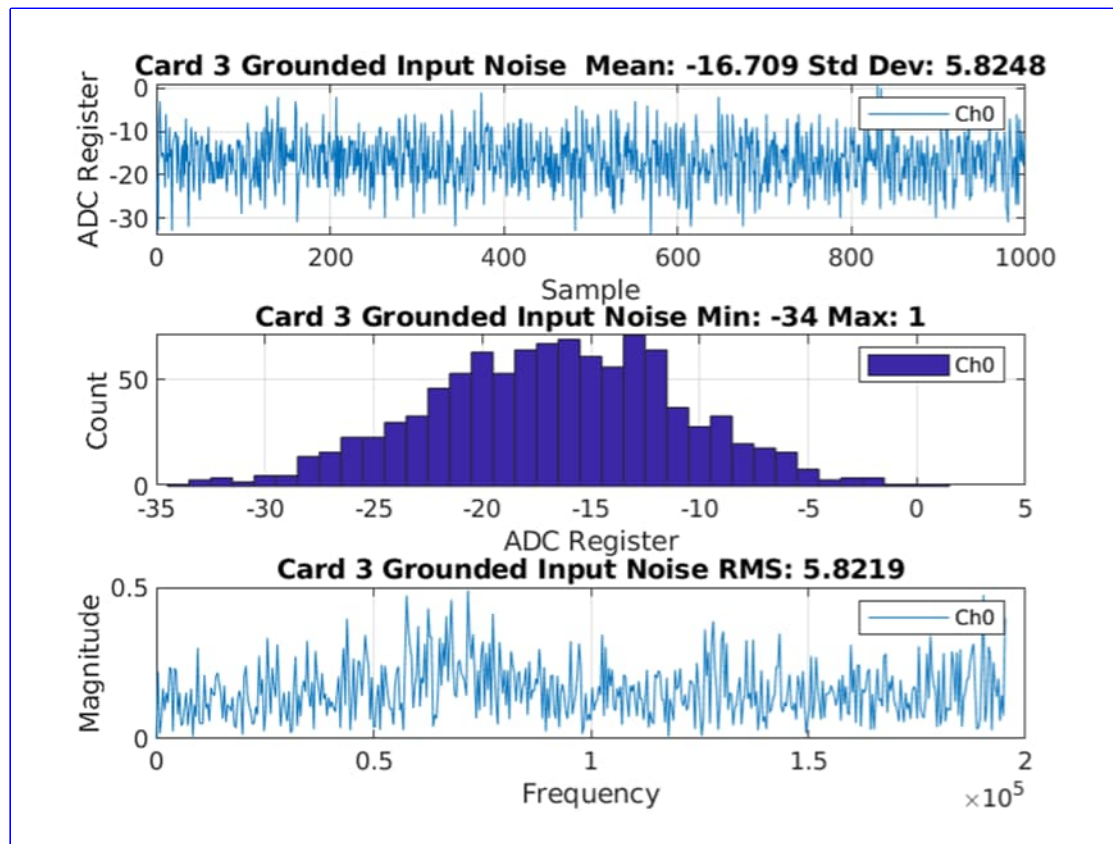
TPS79601: Vref:	Low =	1.2	R1 =	93100	R2 =	30100
	Nom =	1.2246	+1%	94031	+1%	30401
	Hi =	1.25	-1%	92169	-1%	29799
Vout = Vref x (1+R1/R2) =			4.83813			
Vref (Low), R1(Low) & R2(Hi):						
Vout = Vref x (1+R1/R2) =			4.98661			
Vref (Low), R1(Hi) & R2(Low):						
Vout = Vref x (1+R1/R2) =			5.039719			
Vref (Hi), R1(Low) & R2(Hi):						
Vout = Vref x (1+R1/R2) =			5.194386			
Vref (Hi), R1(Hi) & R2(Low):						
Vout = Vref x (1+R1/R2) =			5.012316			
Vref (Nom), R1(Nom) & R2(Nom):						

TPS79650: Vout = 5.0
+3% 5.150
-3% 4.850

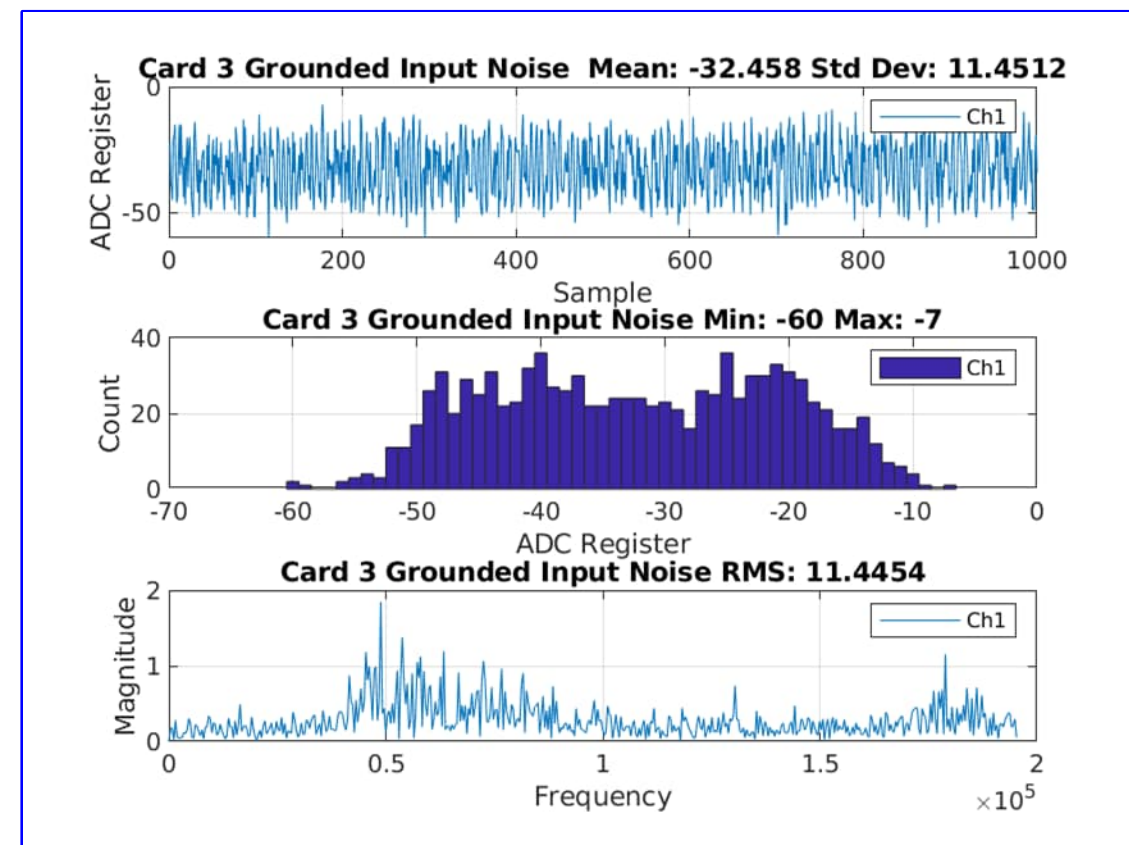
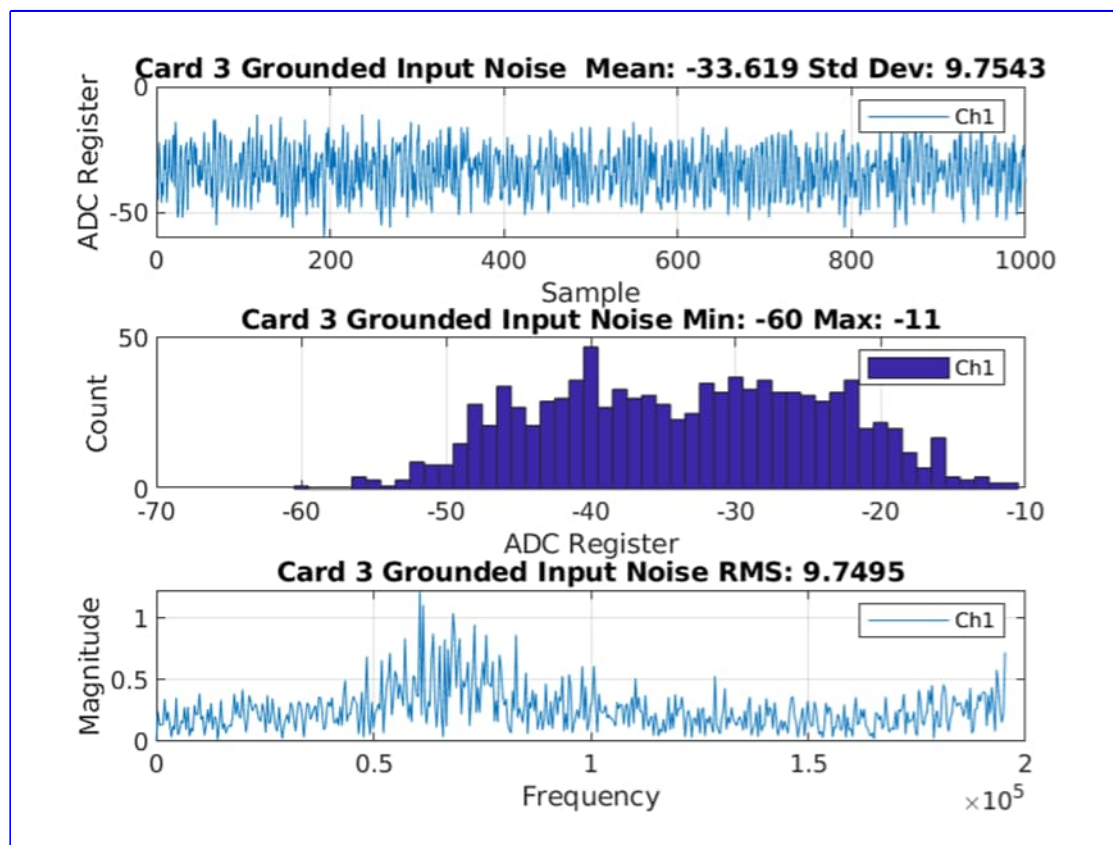
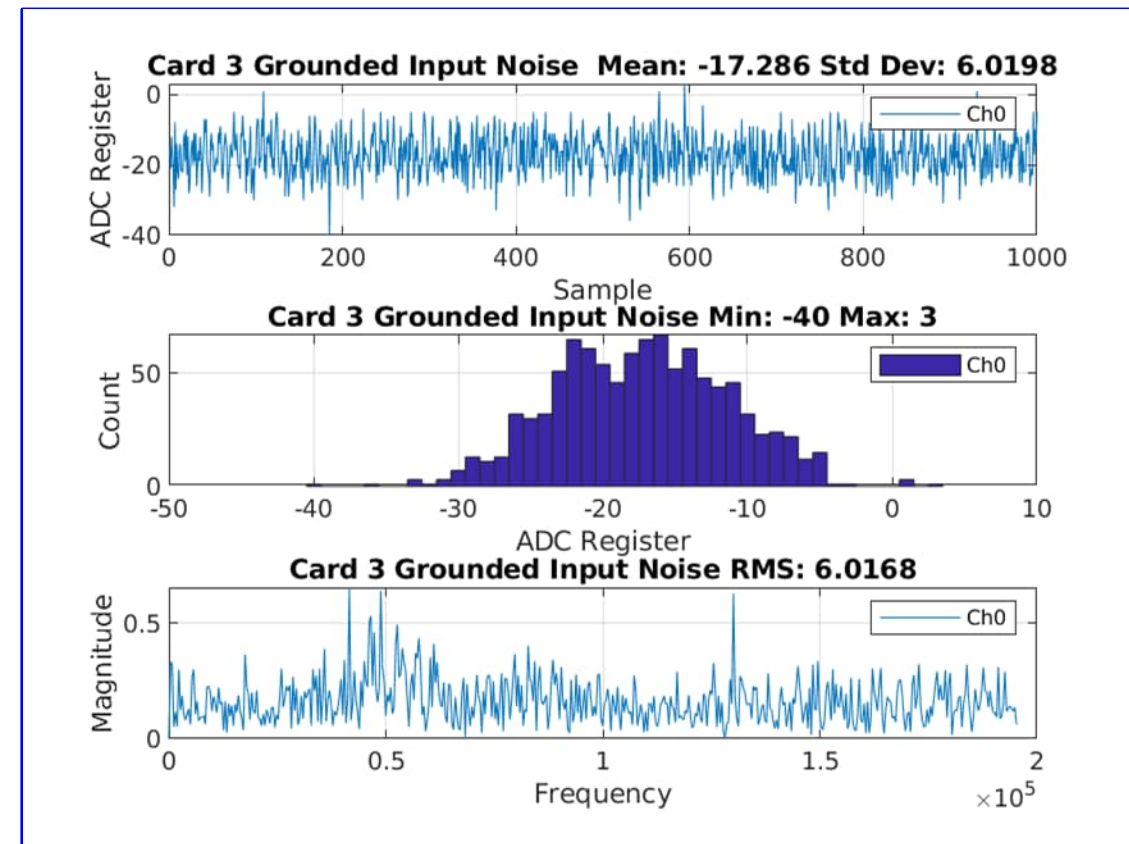
TPS79633: Vout = 3.3
+2% 3.366
-2% 3.234



Before (+Va = 4.935V)



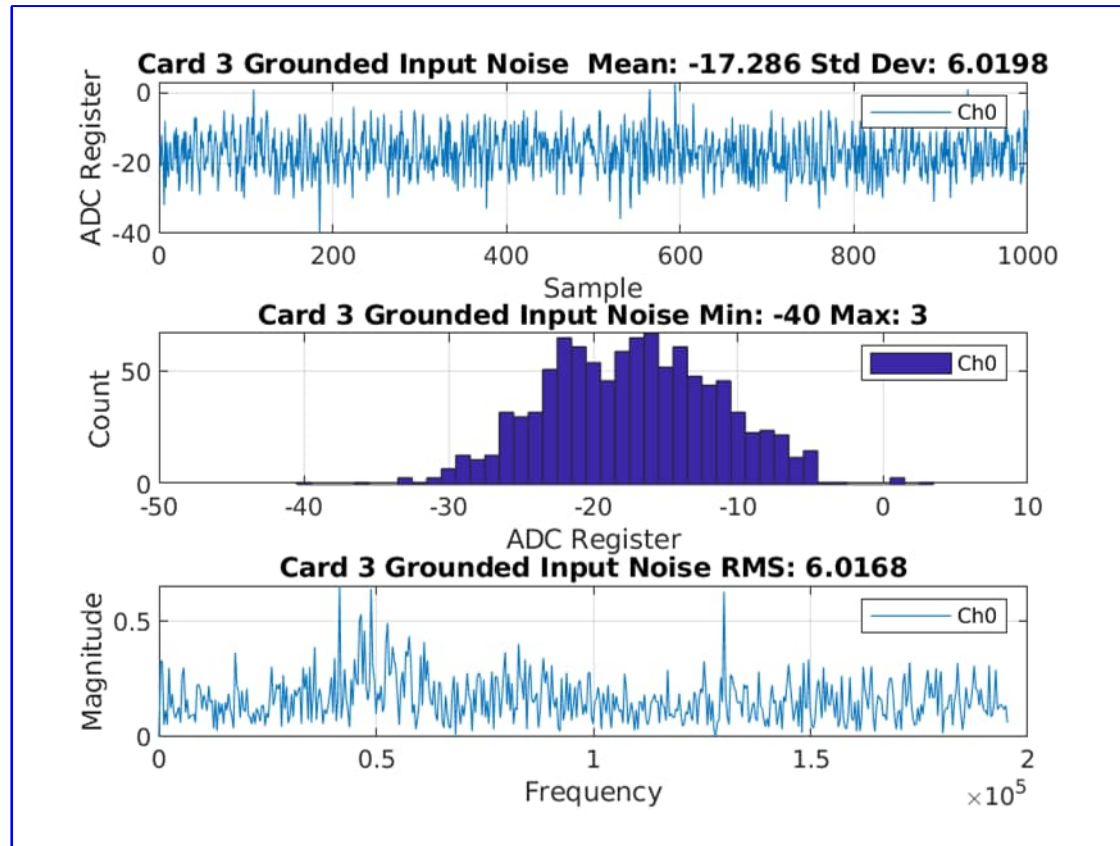
After (+Va = 5.002V)



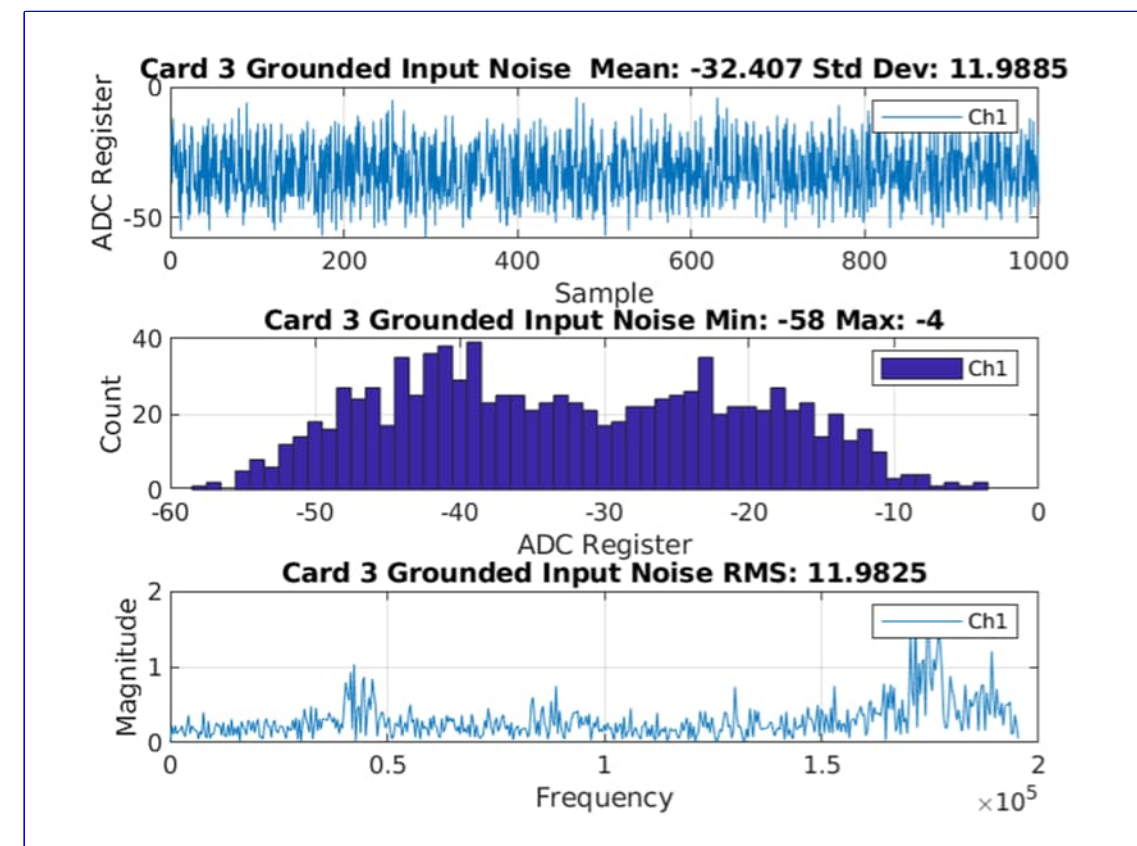
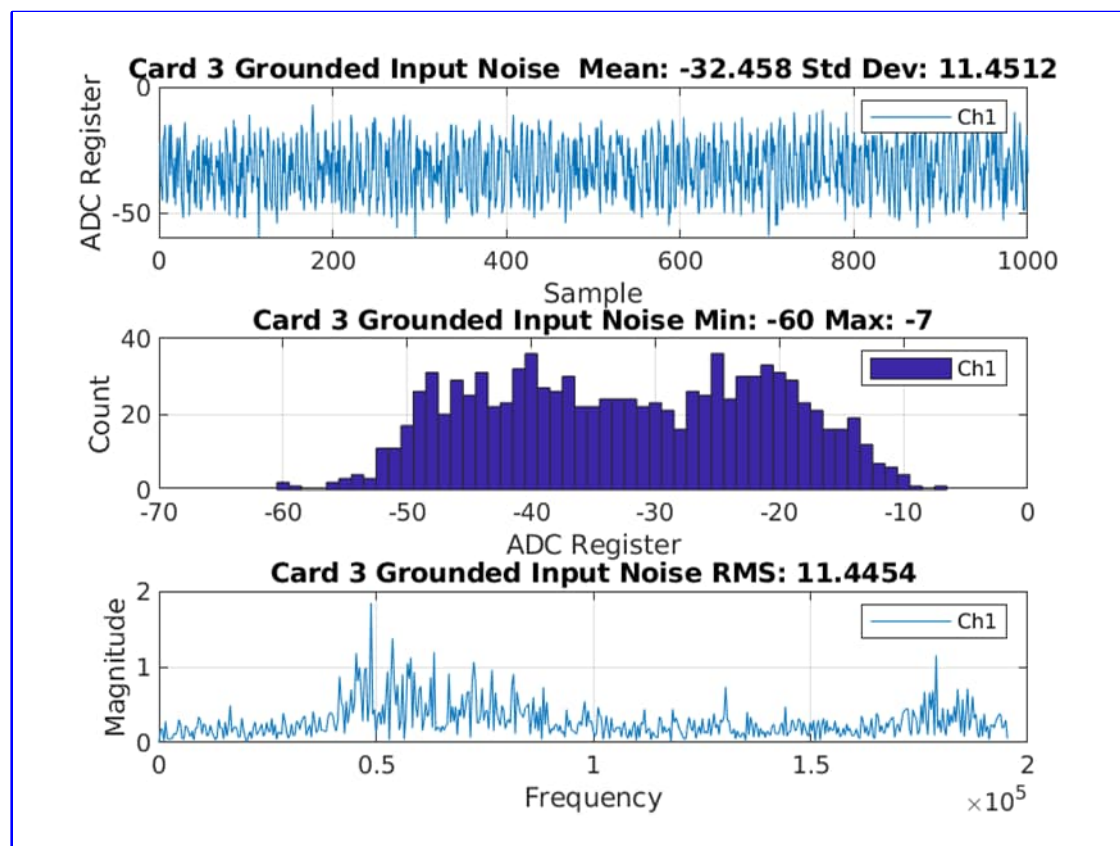
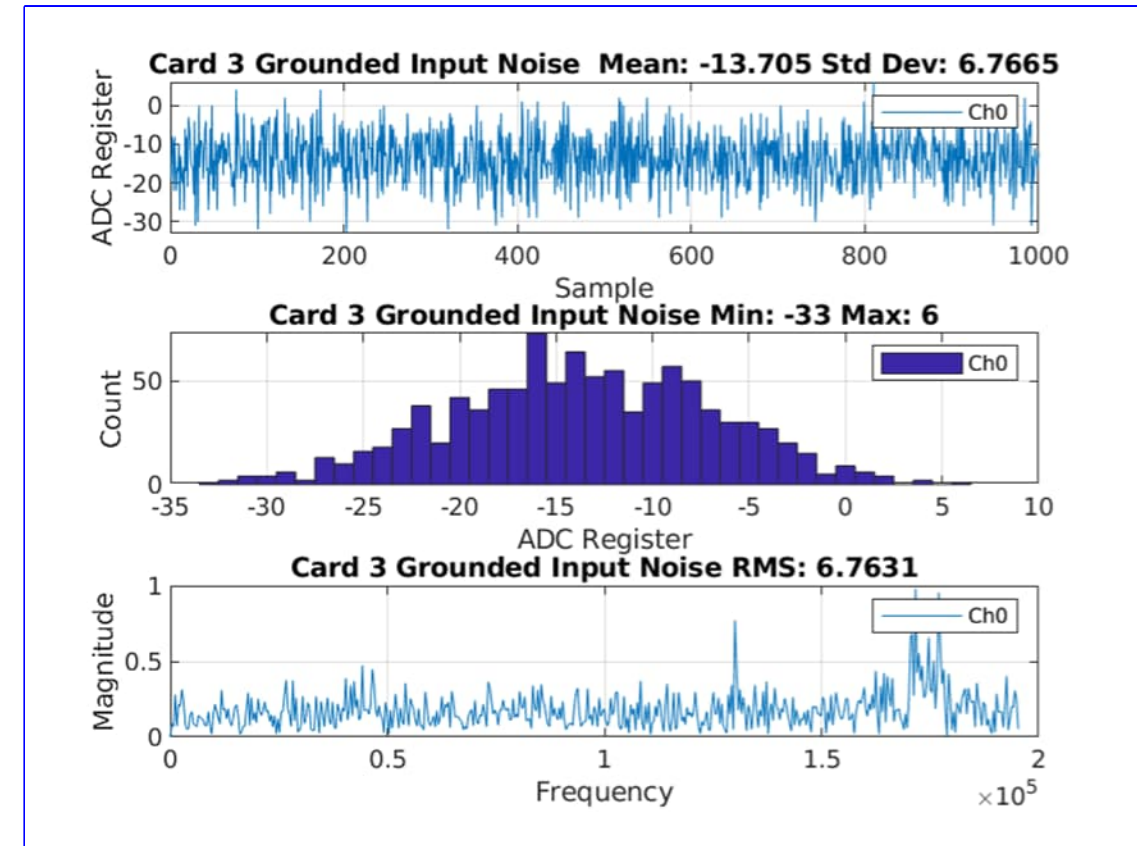
+5VA(U11) Regulator Change (No Heatsink)



Before (+3.3V = 3.153V)

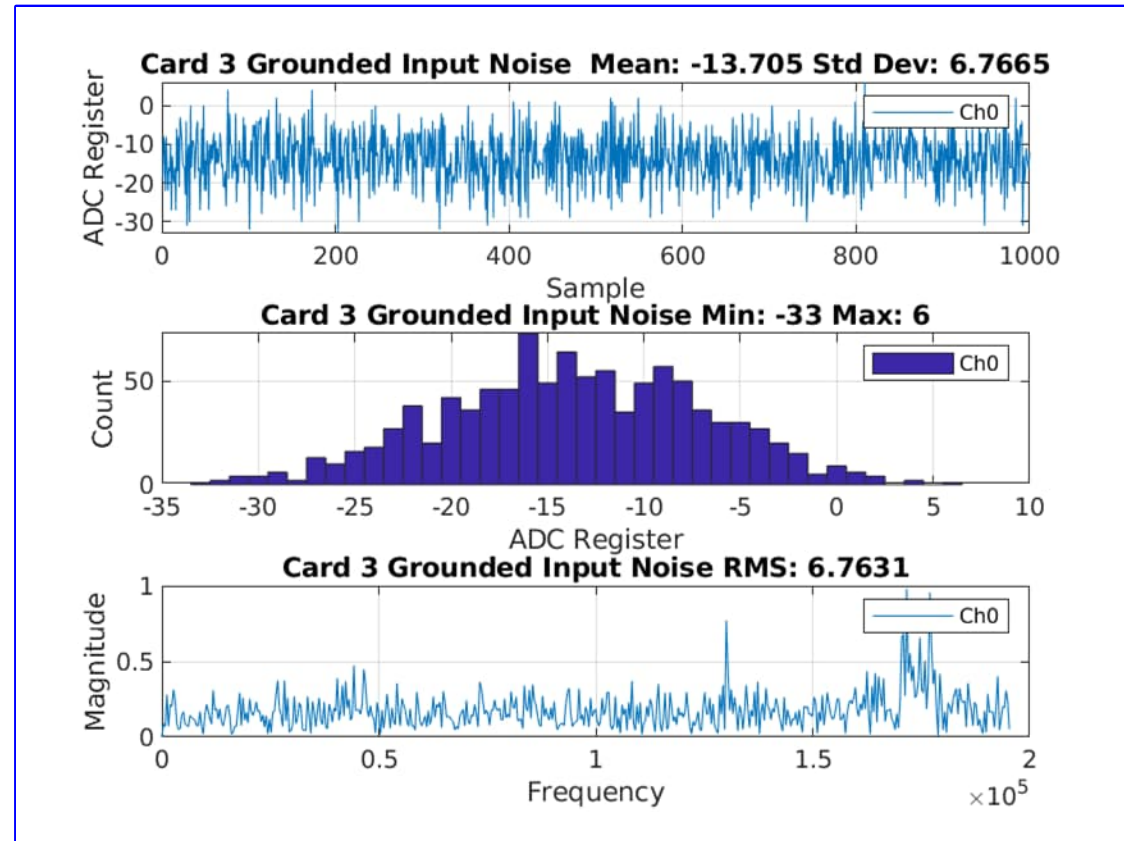


After (+3.3V = 3.309V)

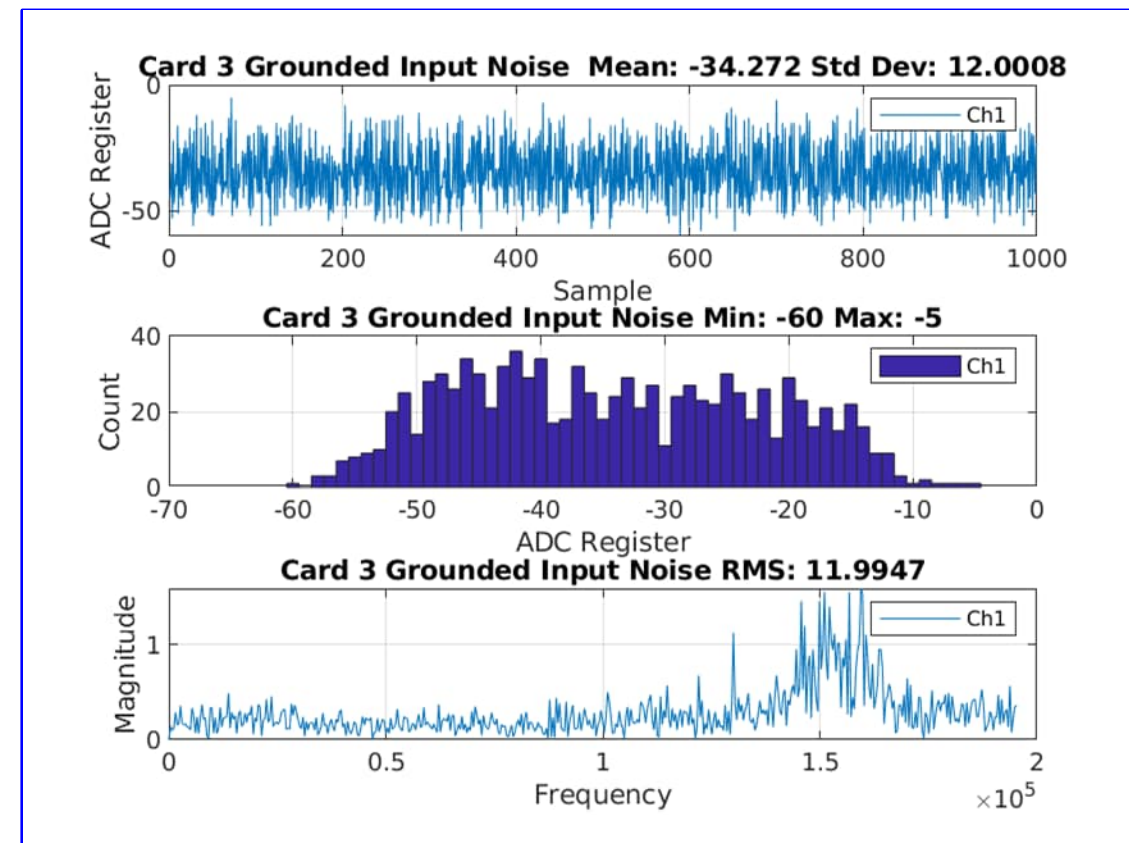
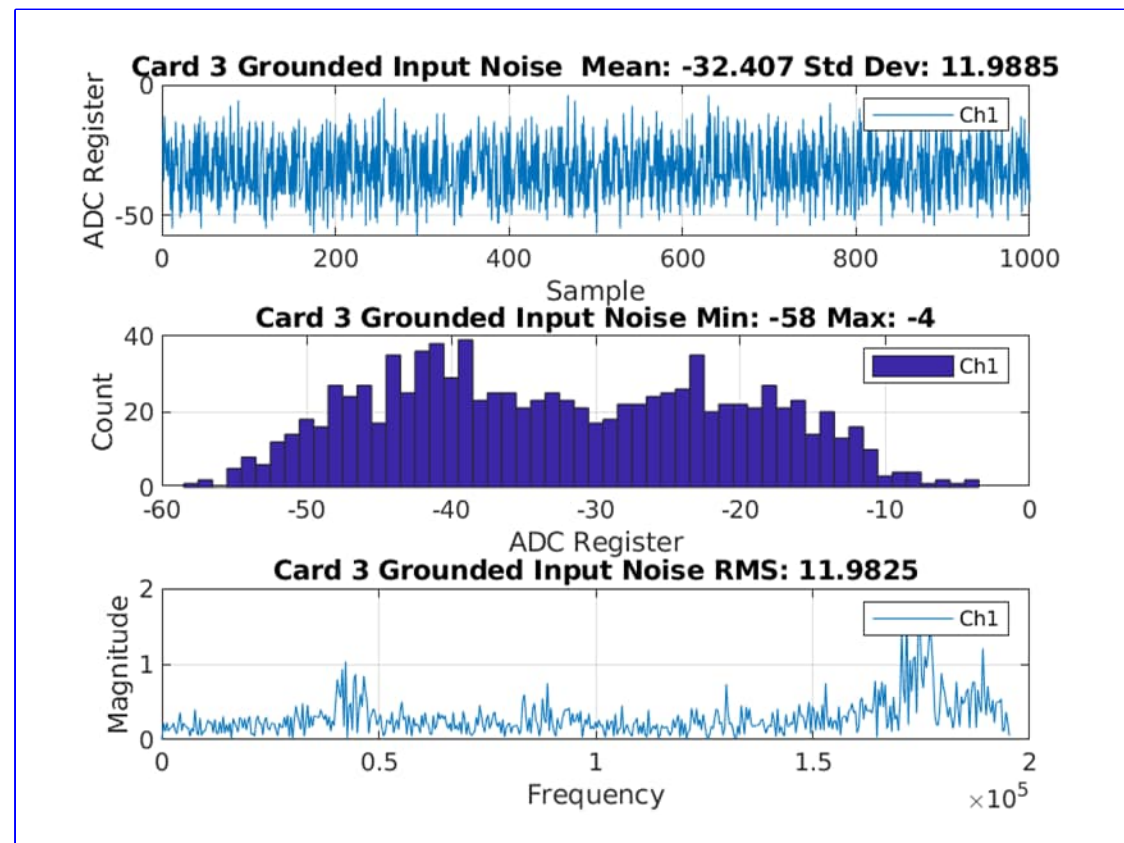
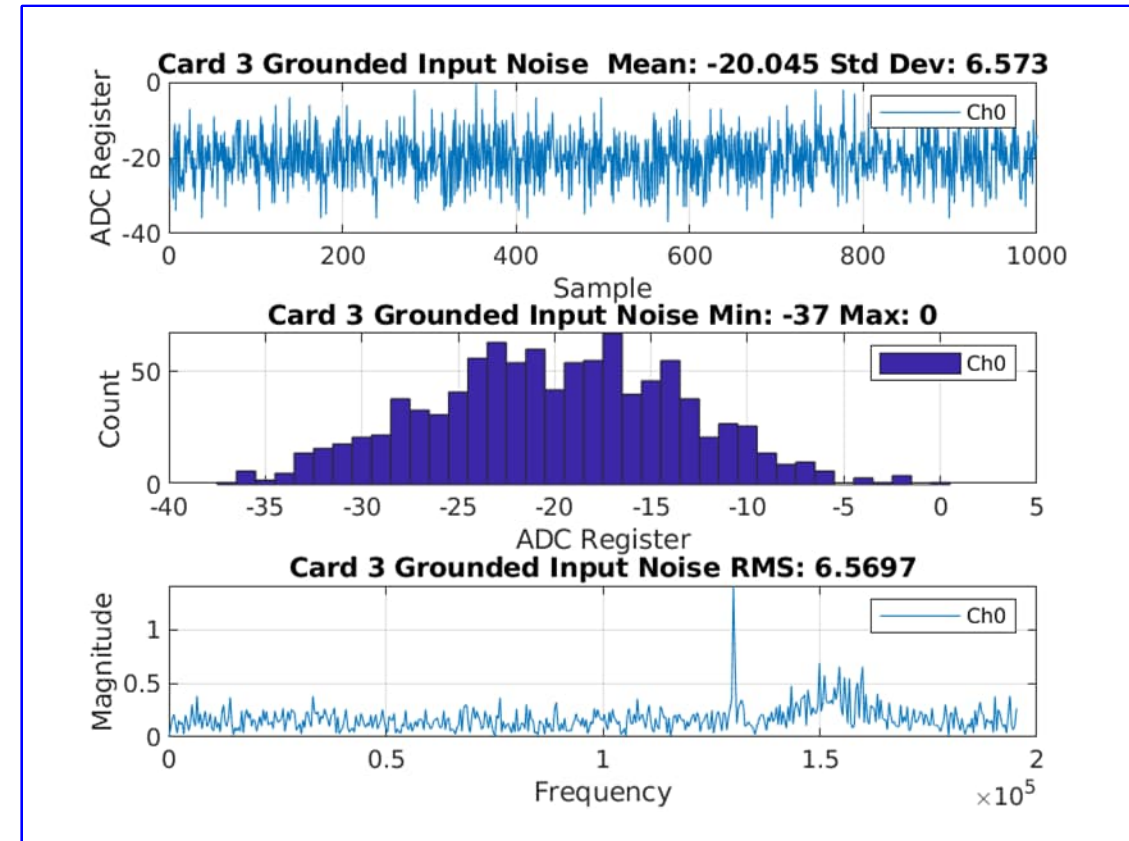


+3.3V(U10) Regulator Change (No Heatsink)

Before (AVDD10 = 3.209V)



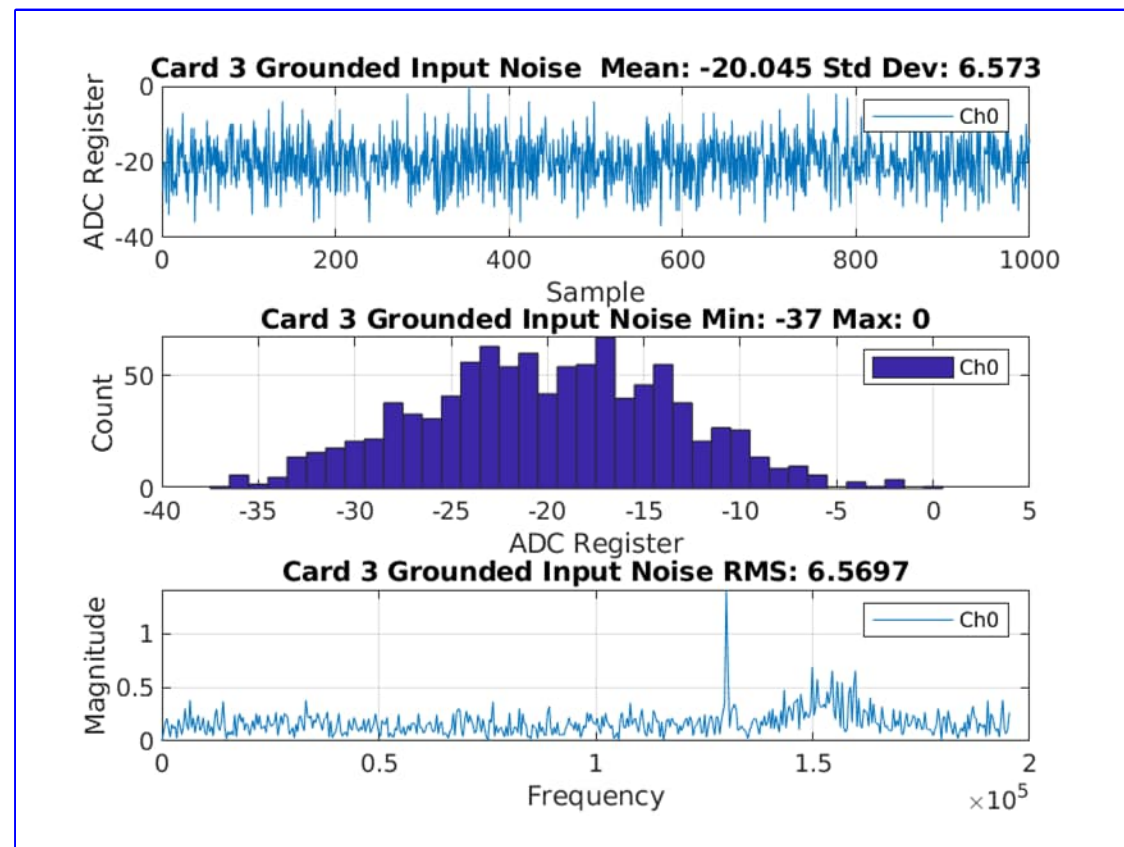
After (AVDD10 = 3.313V)



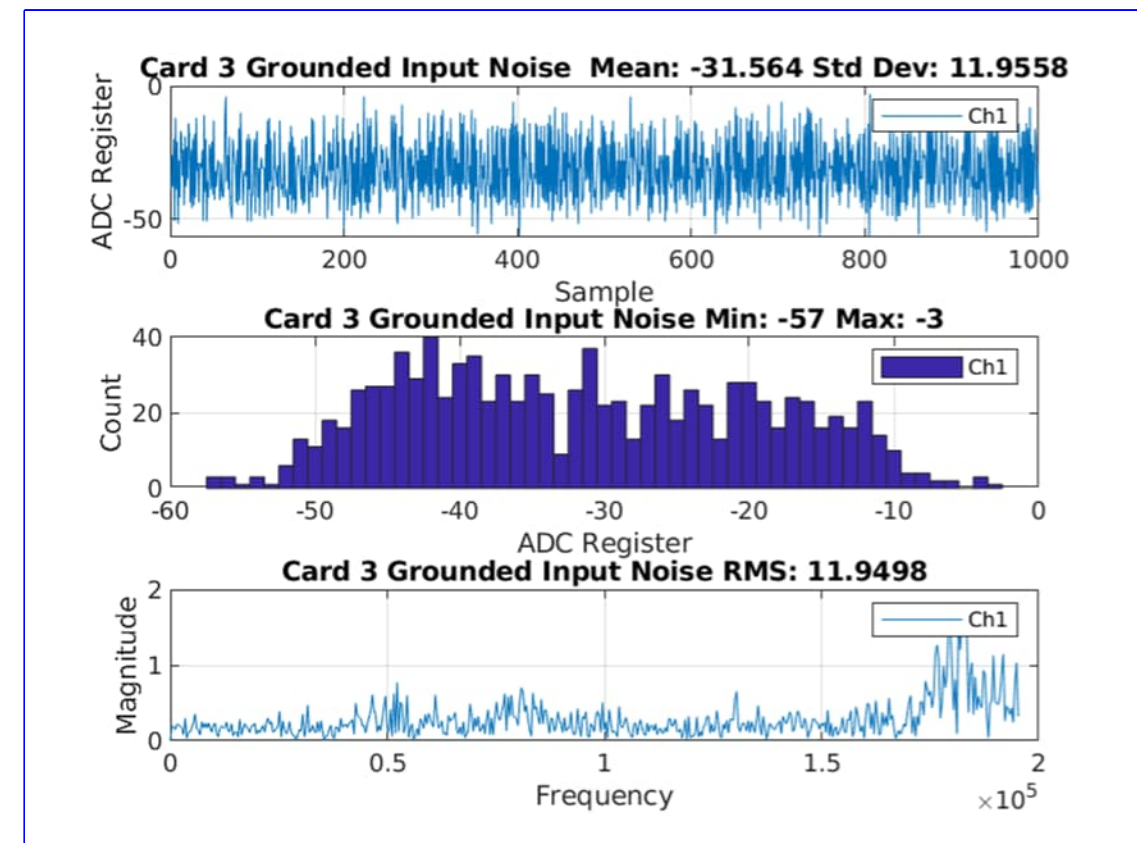
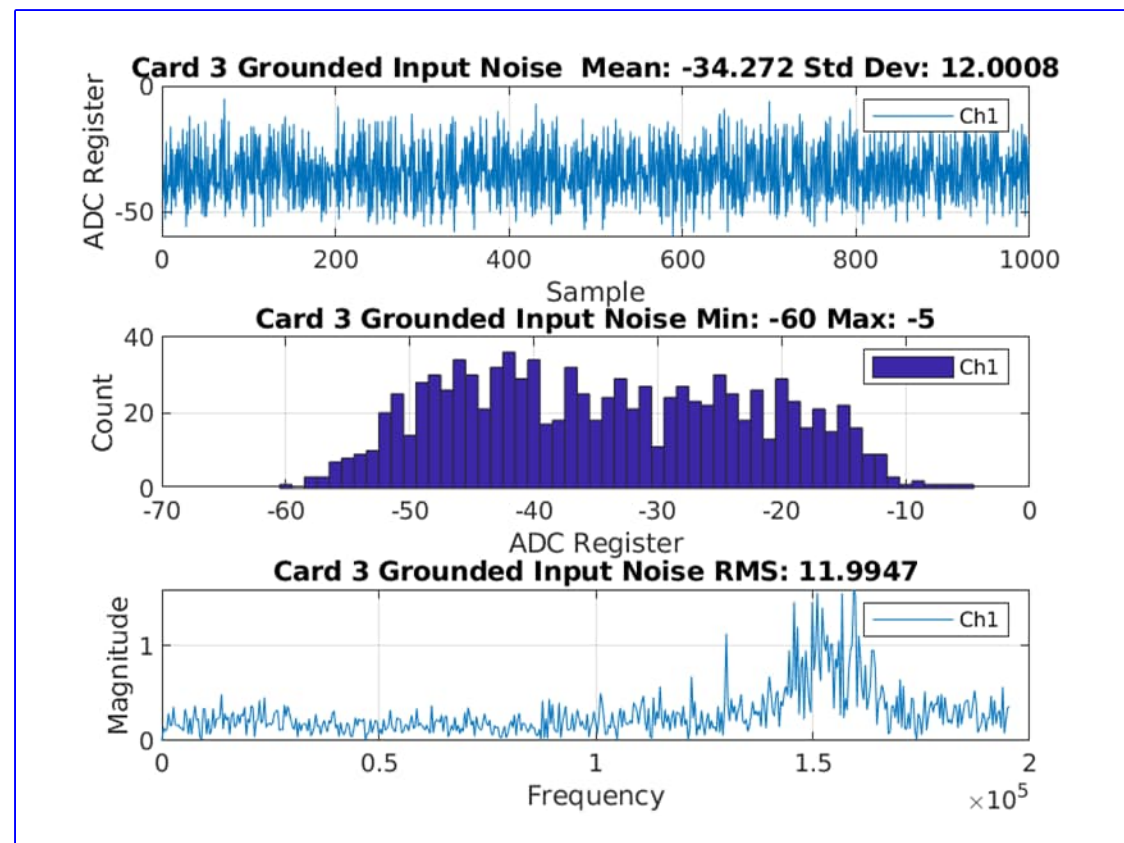
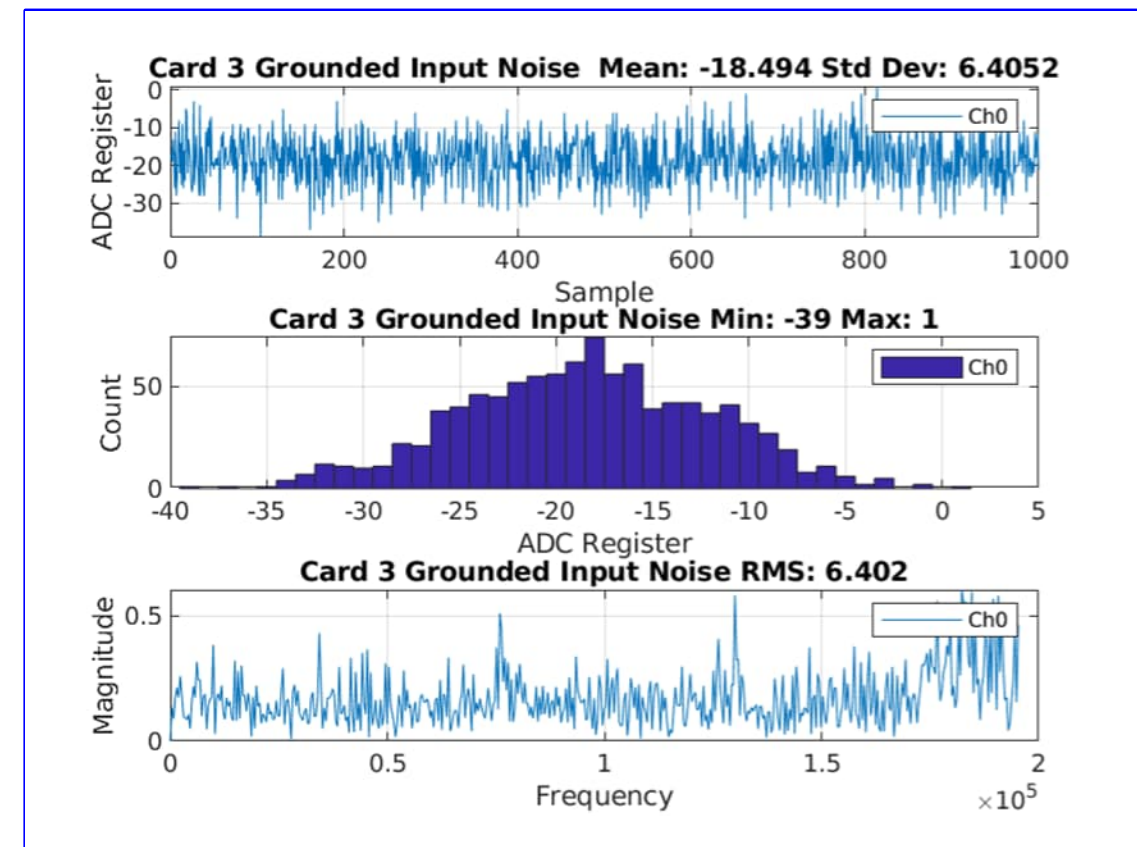
AVDD10(U1) Regulator Change (No Heatsink)



Before (AVDD11 = 3.242V)

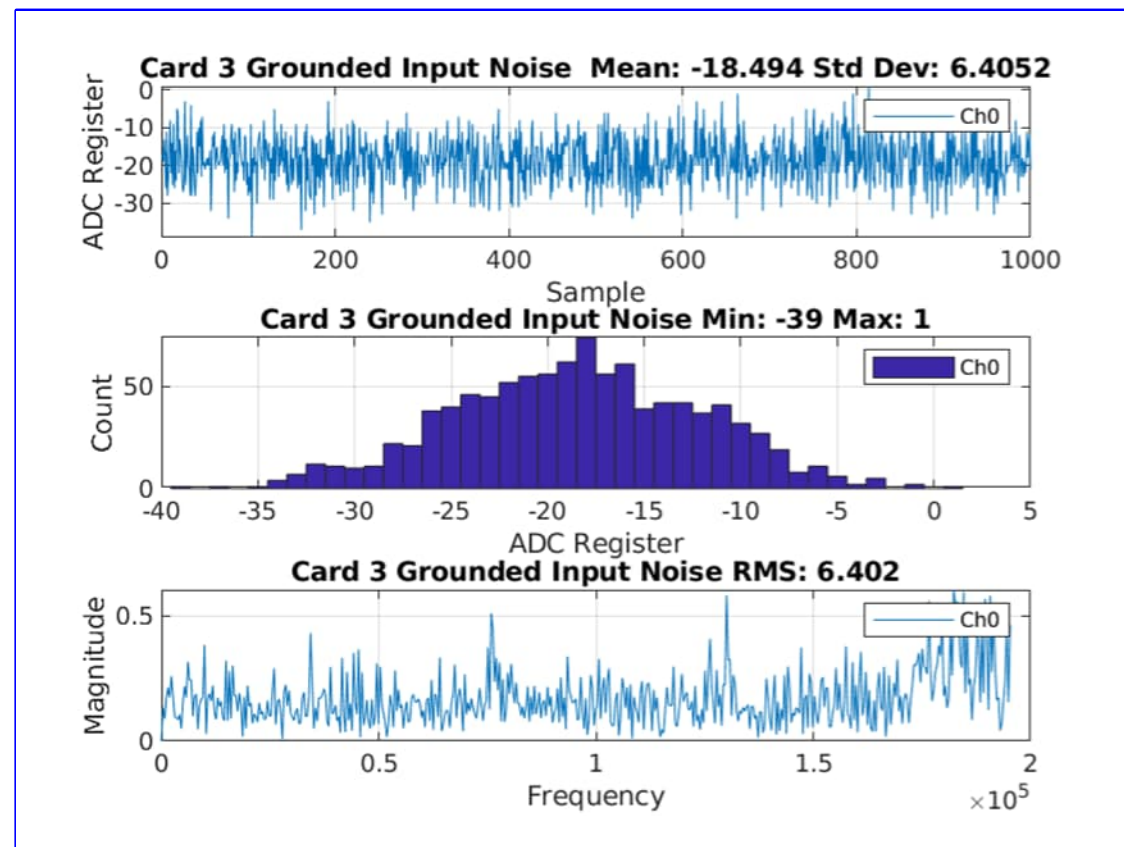


After (AVDD11 = 3.316V)

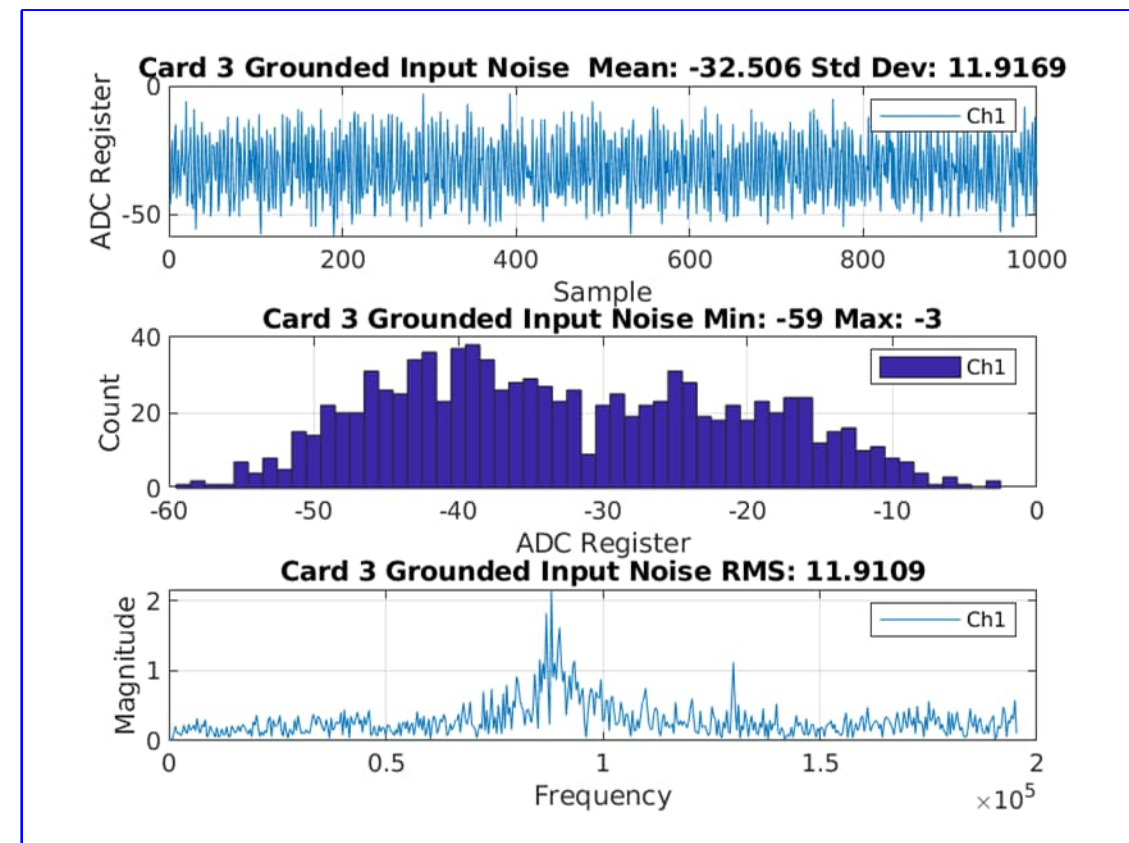
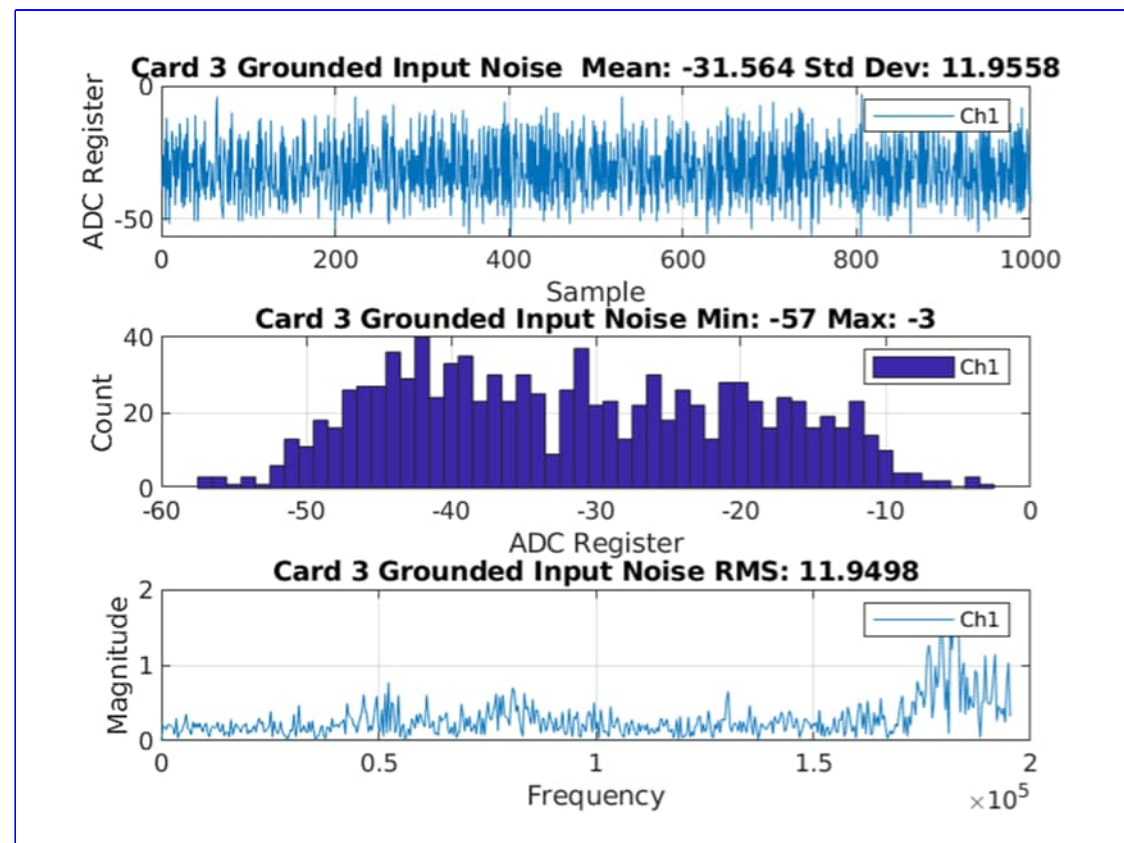
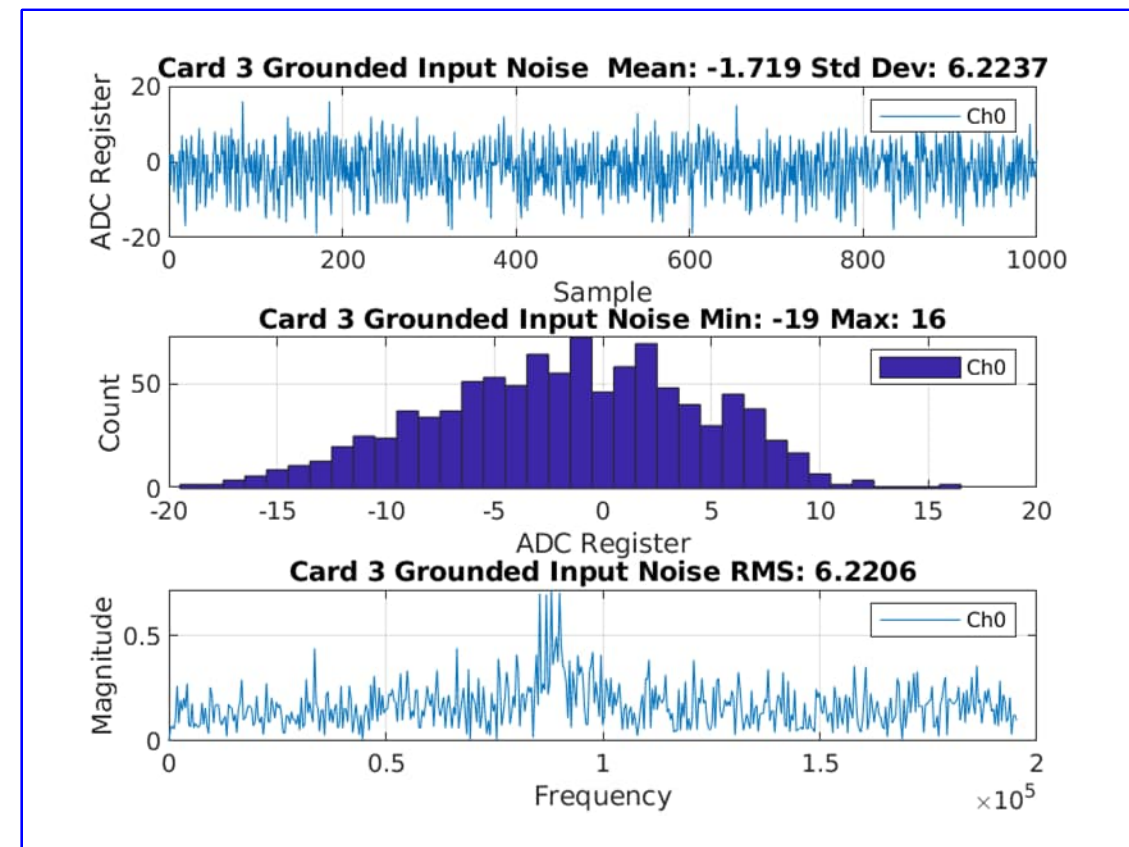


AVDD11(U4) Regulator Change (No Heatsink)

Before (AVDD20 = 4.886V)



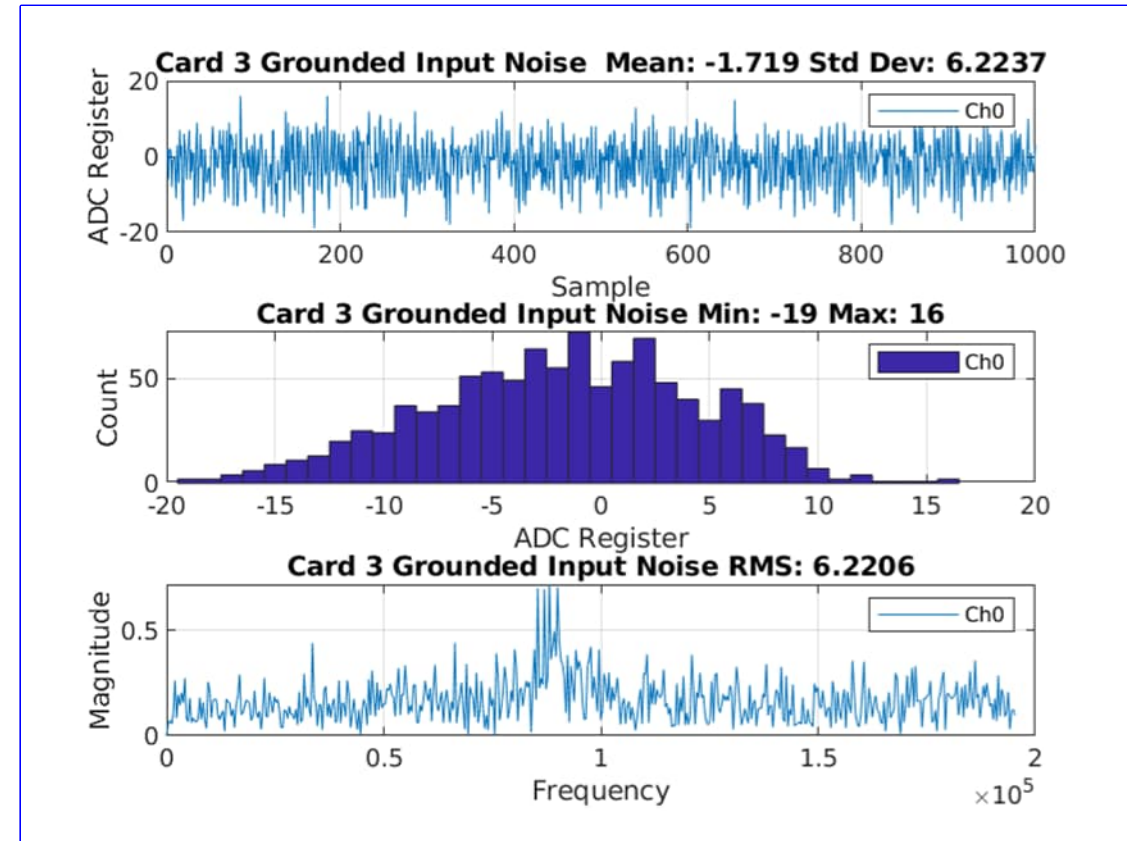
After (AVDD20 = 5.004V)



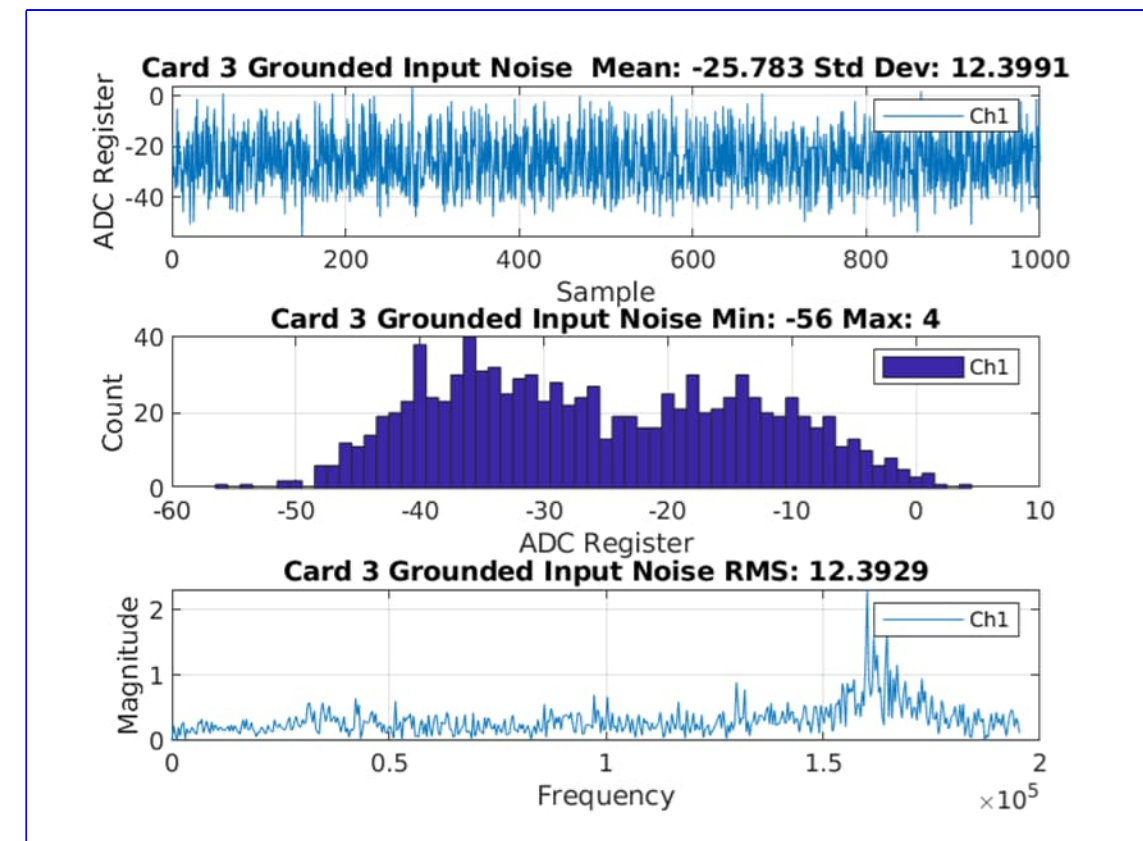
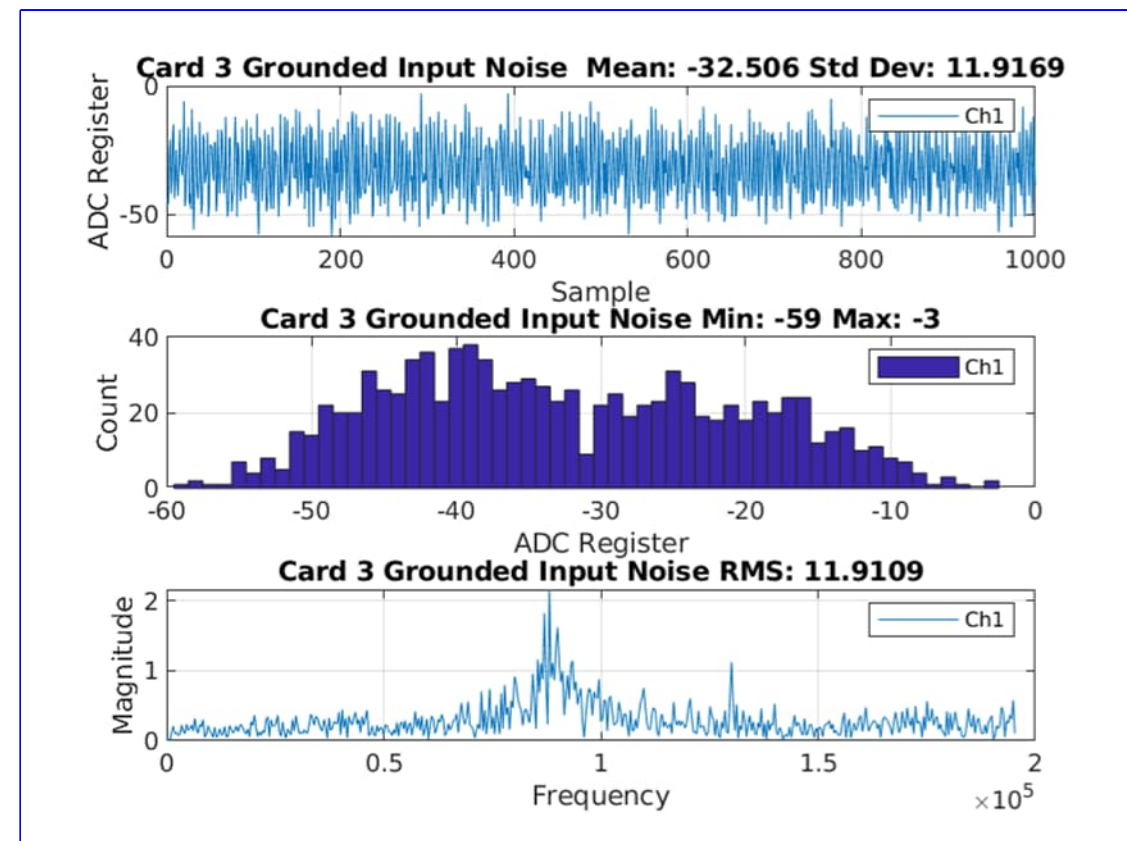
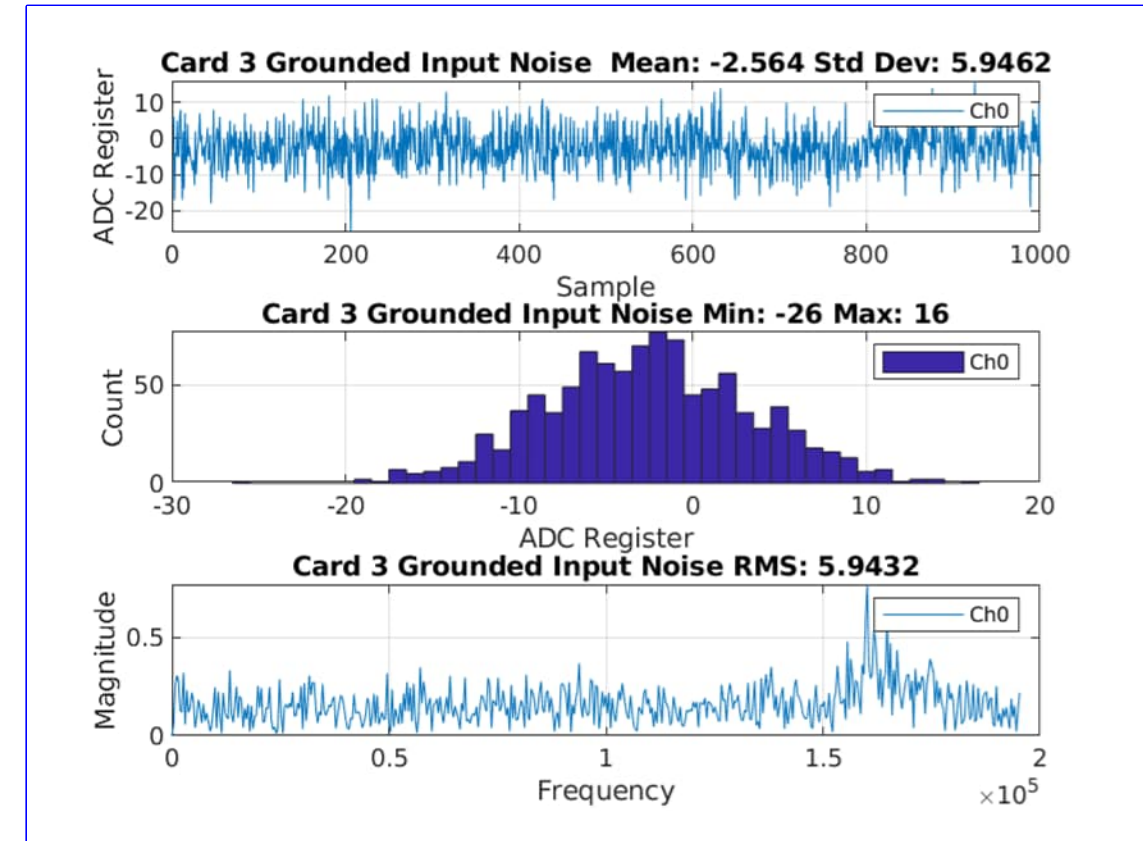
AVDD20(U3) Regulator Change (No Heatsink)



Before (AVDD21 = 4.910V)

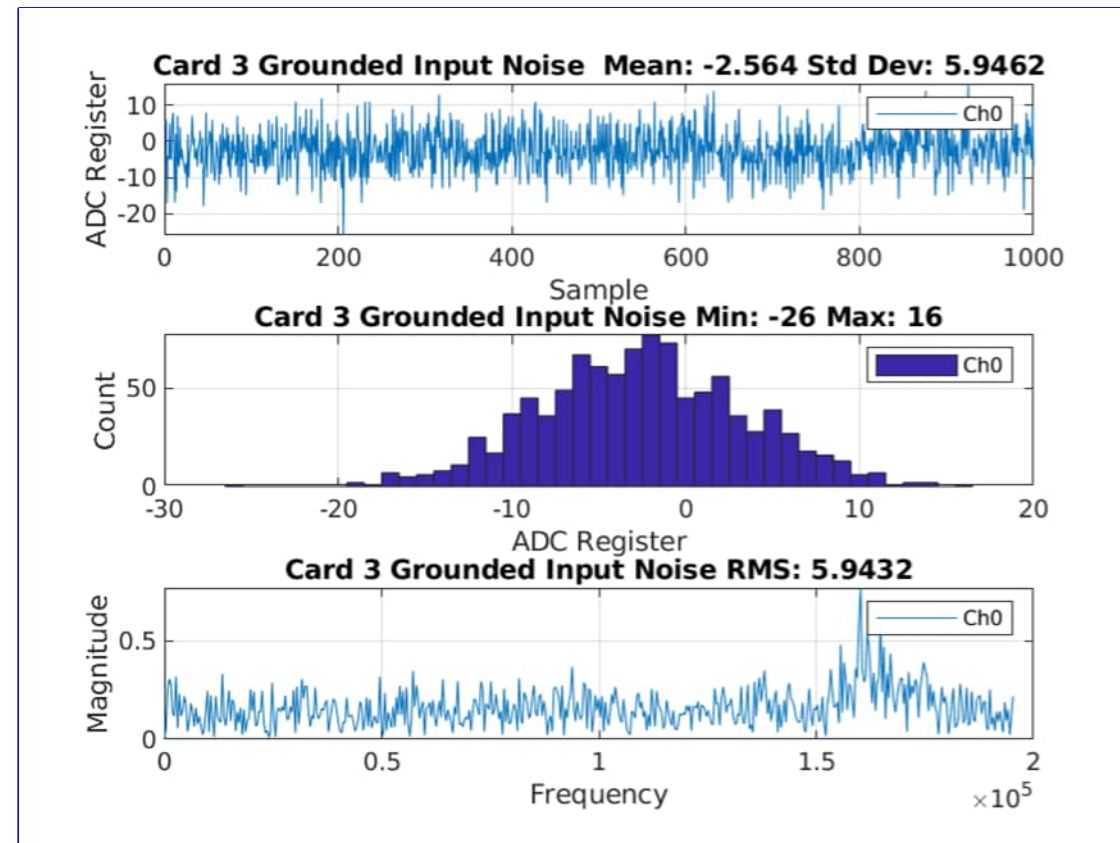


After (AVDD21 = 4.959V)



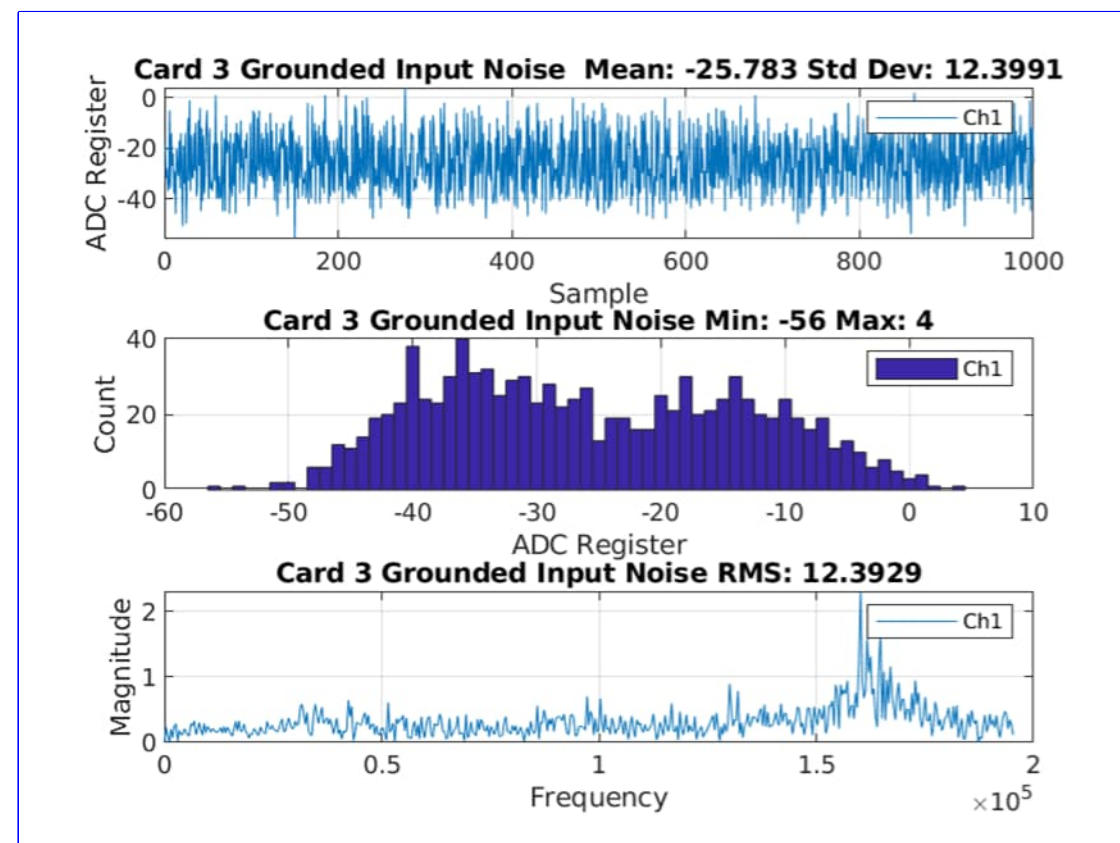
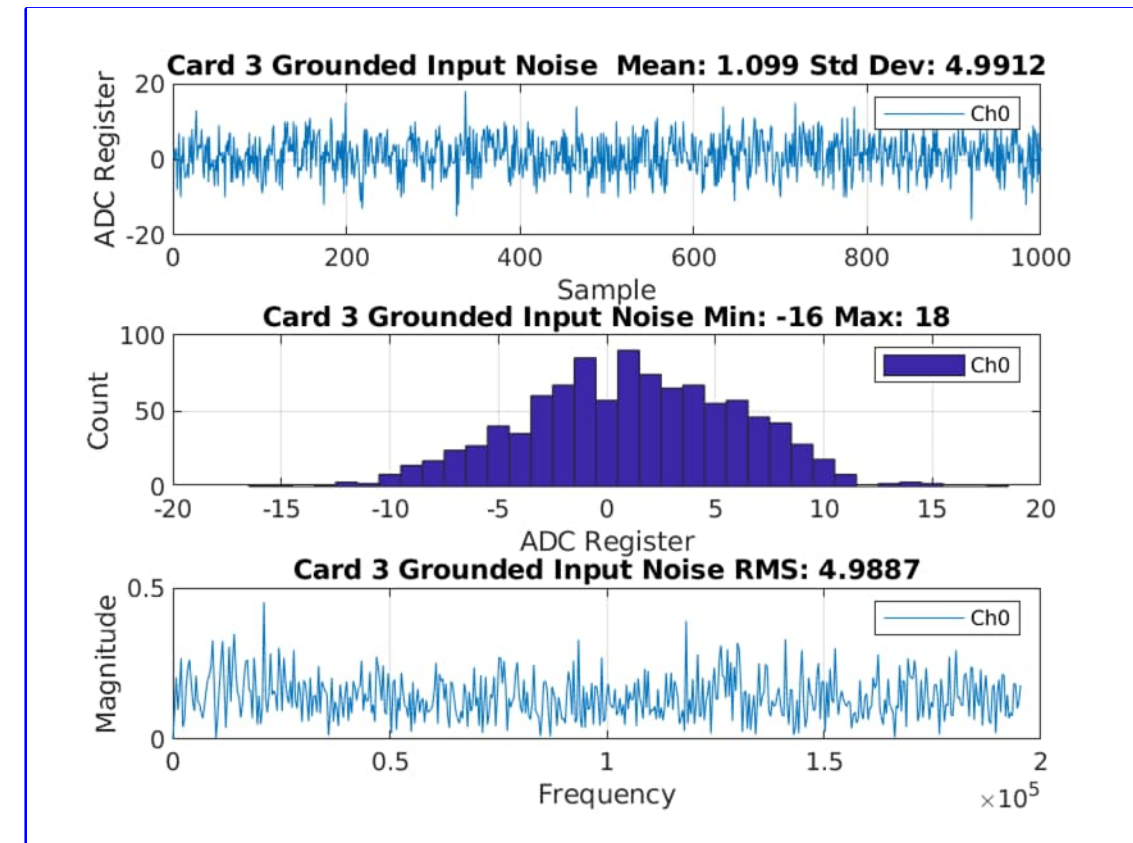
AVDD21(U6) Regulator Change (No Heatsink)

Before

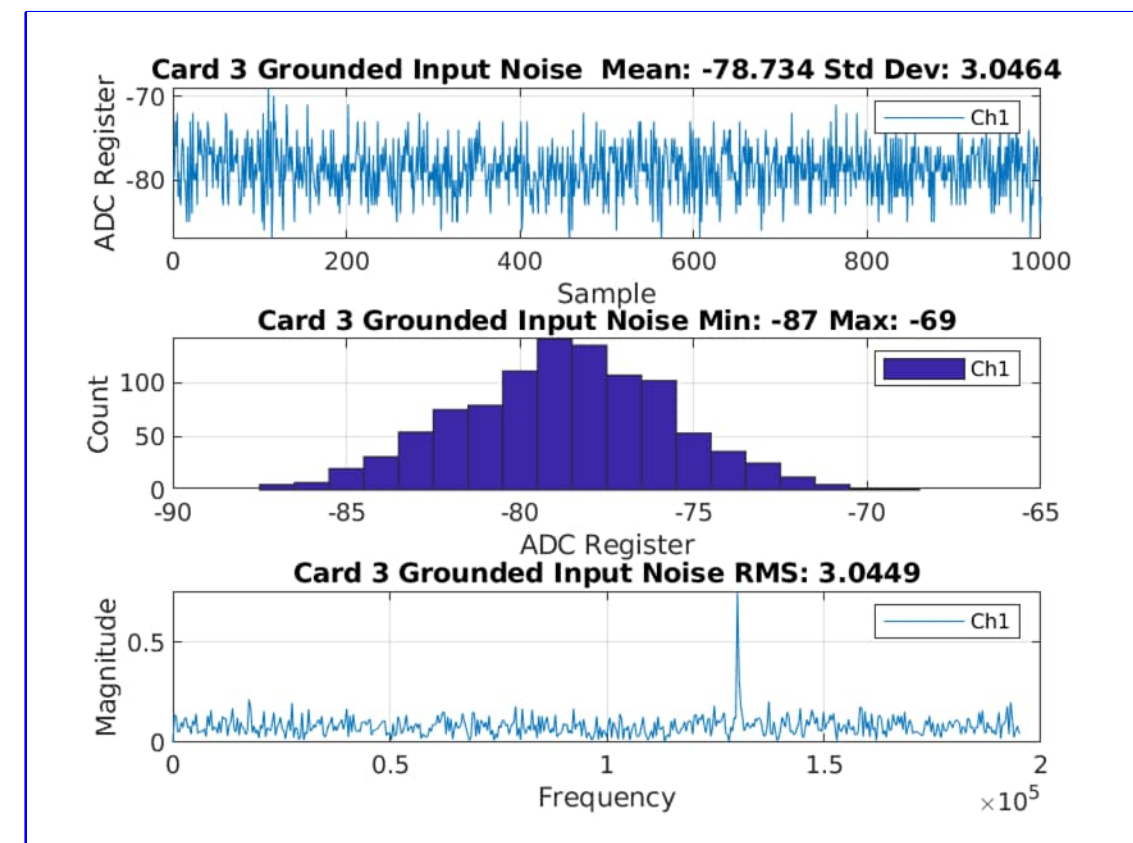


U12

After



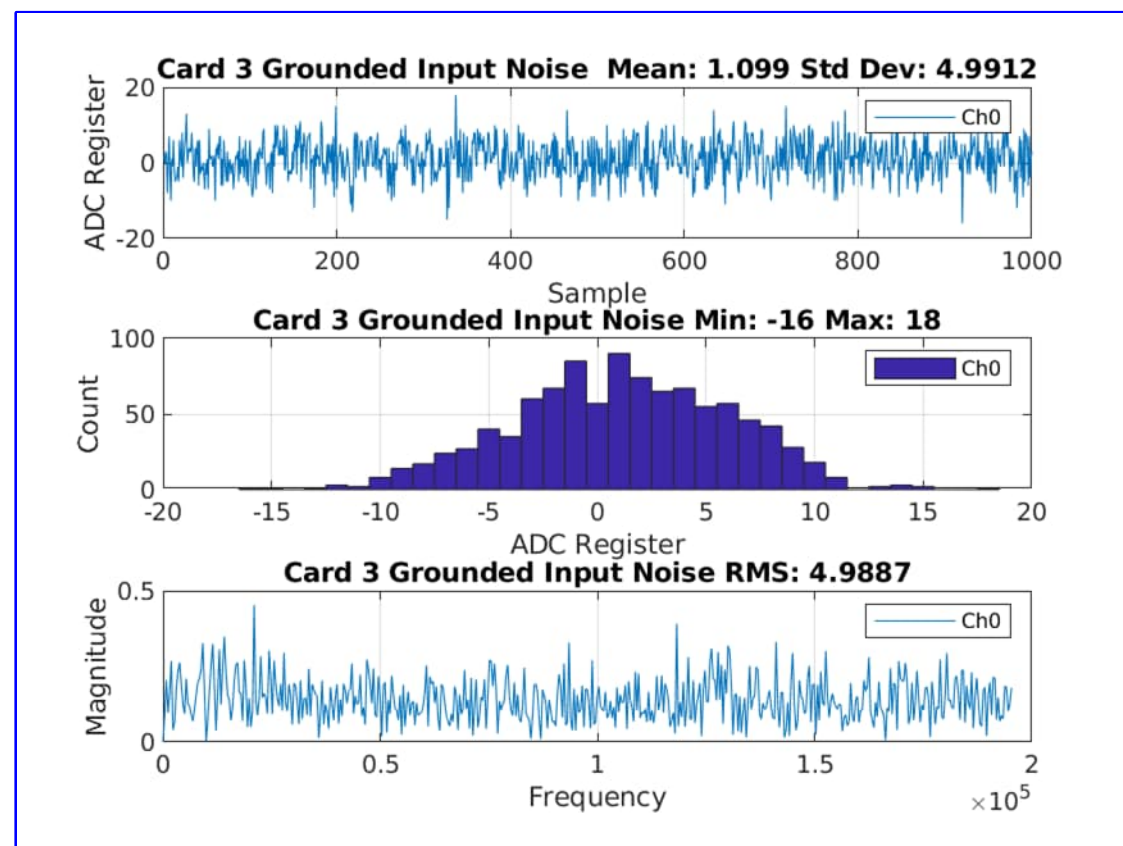
U18



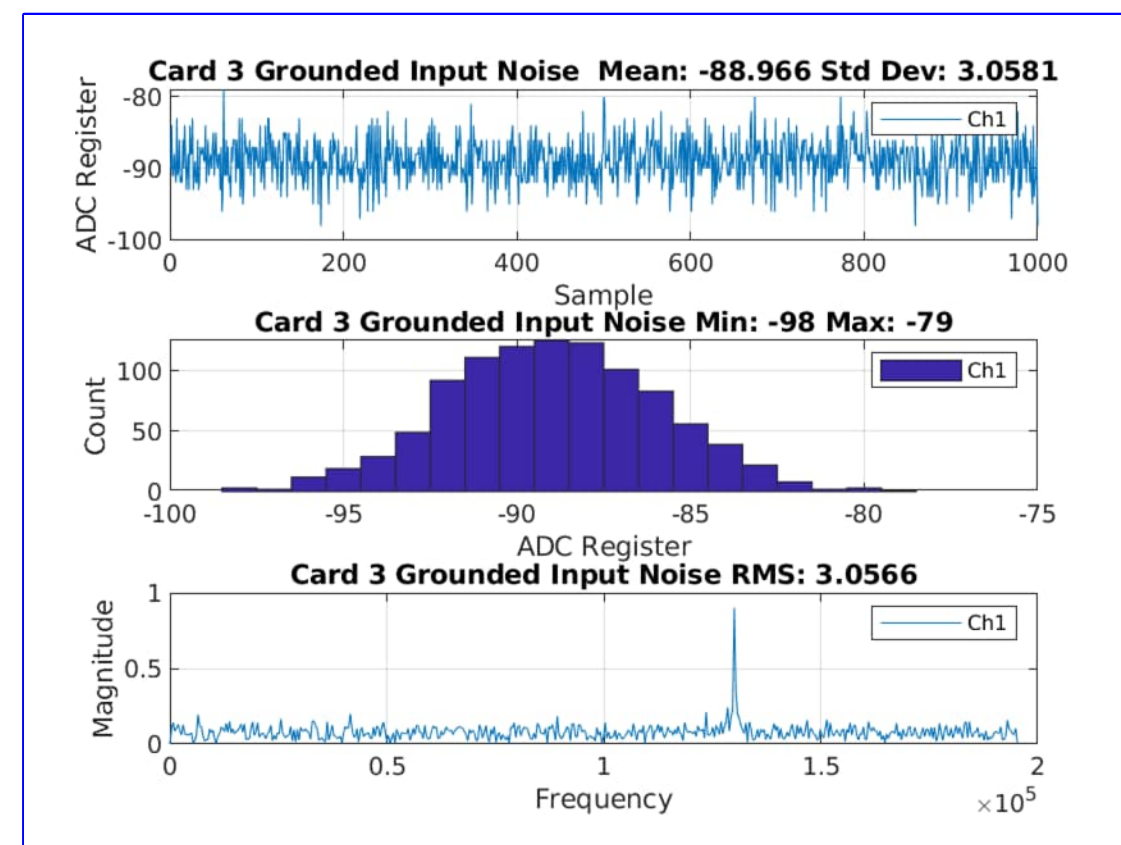
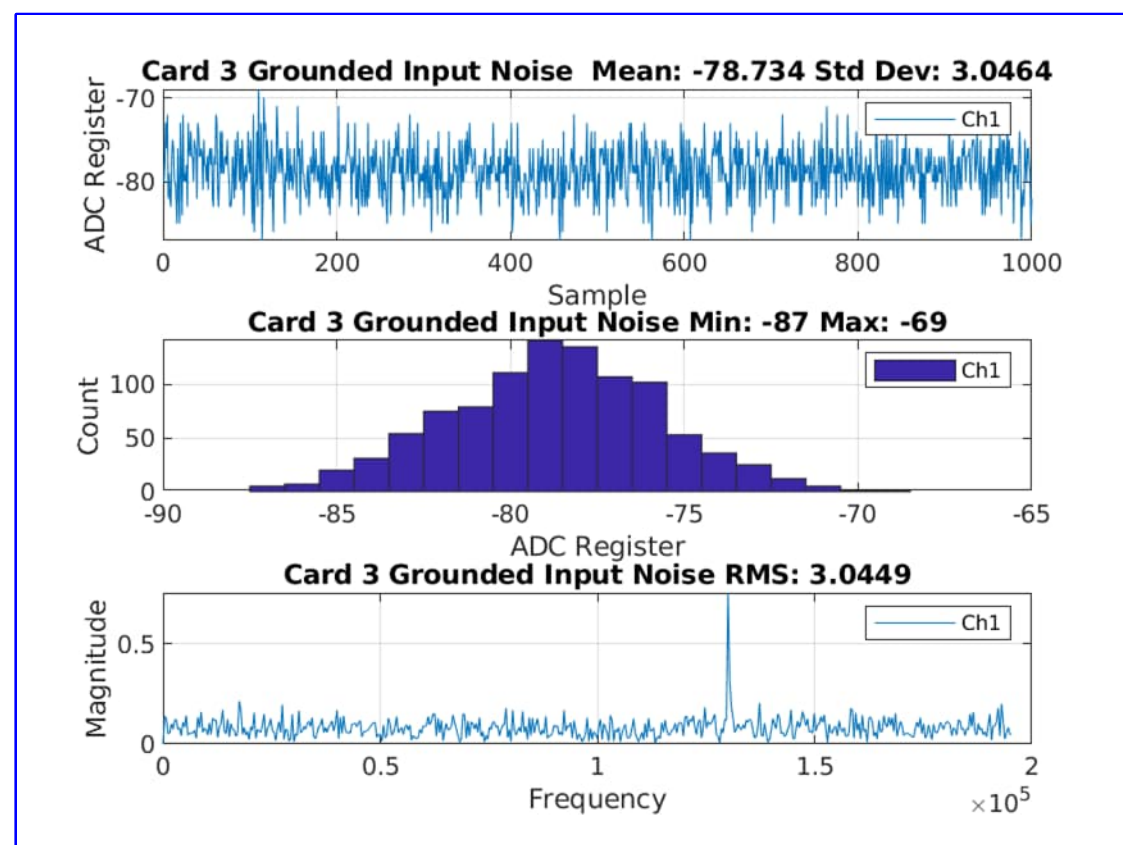
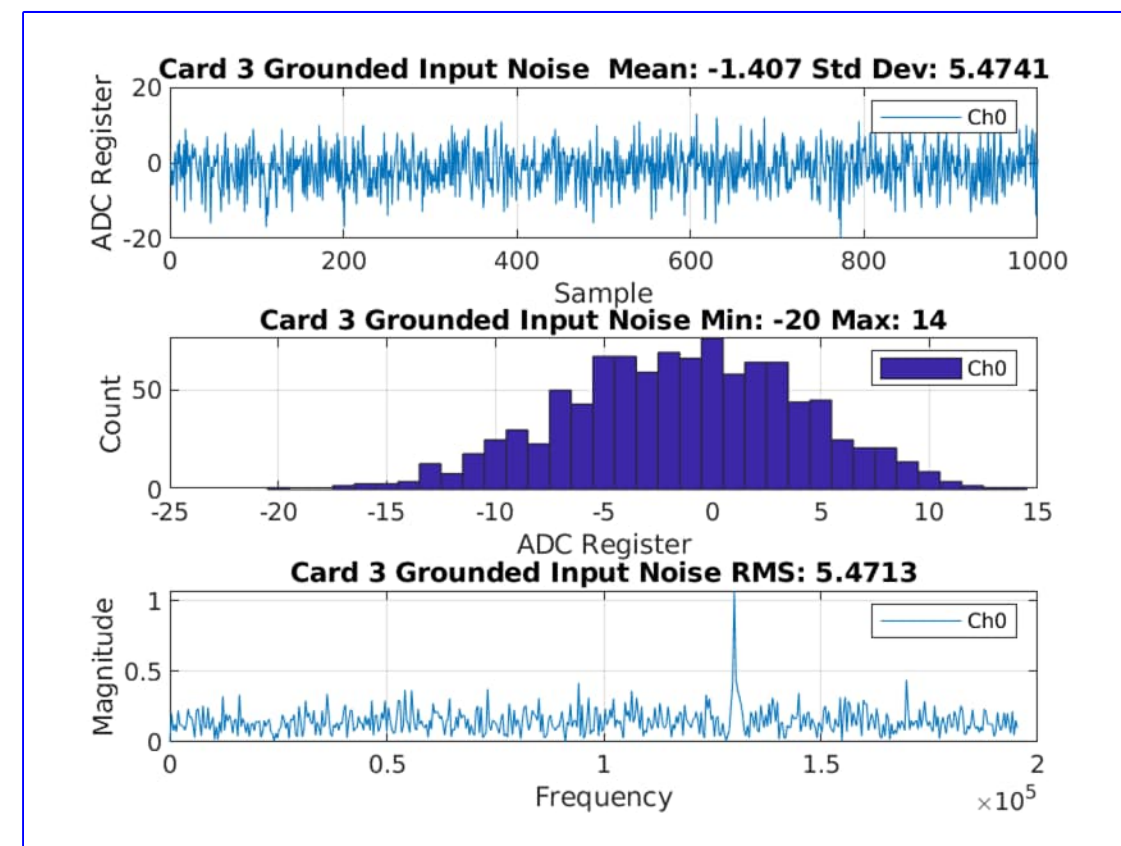
REMOVE U18 (Channel 1 Fixed Gain) & Jumper Out U18; U12 Still In



Before



After



Reinstalled Heatsink (Floating)