

# EPICS Test Report

## SN0013 lab{3}

### 2025-10-29T10:40:50.580640

#### Device configuration

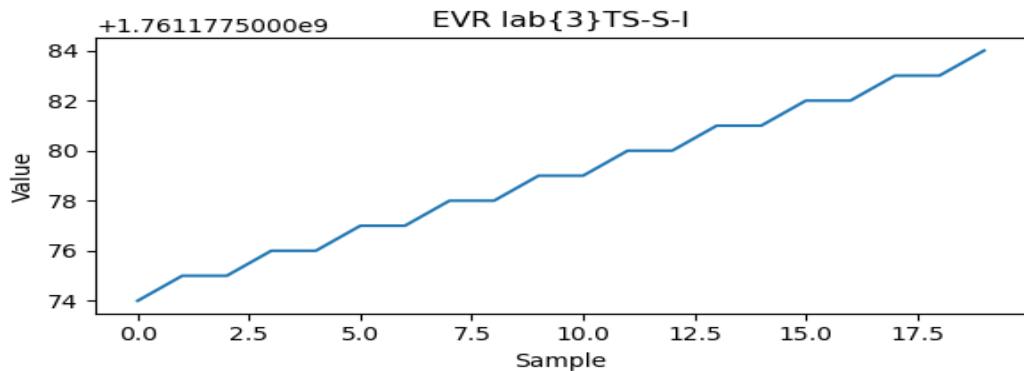
PV	Value
lab{3}NumChannels-Mode	4 Channel
lab{3}Resolution-Mode	MS (18bit)
lab{3}Bandwidth-Mode	Slow
lab{3}Polarity-Mode	Bipolar

#### Section 1: DAC loopback test

Channel	Readback	Pass/Fail
Chan1	1.00067138671875	PASS
Chan2	0.99884033203125	PASS
Chan3	1.00250244140625	PASS
Chan4	0.99884033203125	PASS

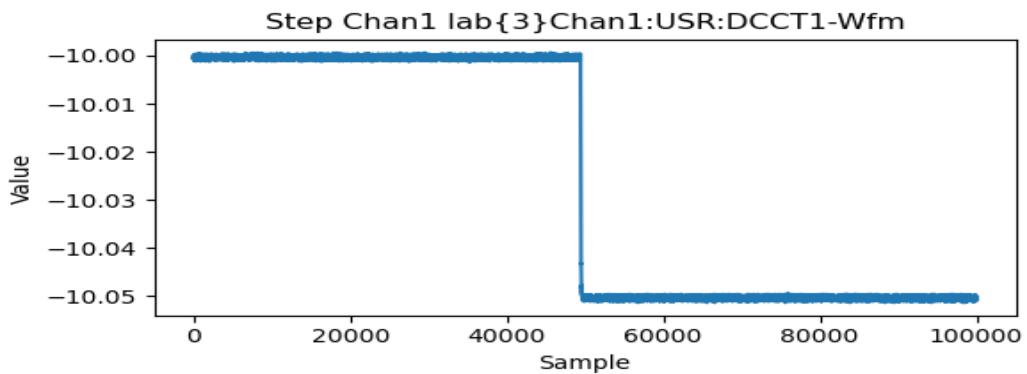
#### Section 2: EVR monotonicity test

EVR PV: lab{3}TS-S-I monotonic test -> PASS

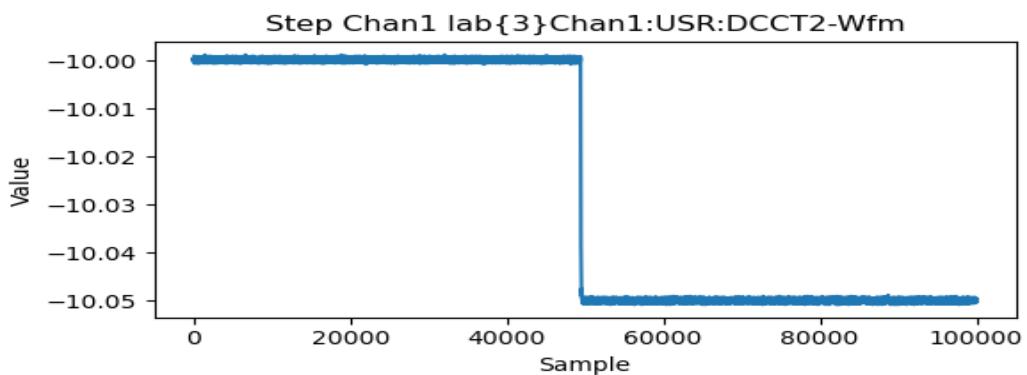


#### Section 3: Test Data

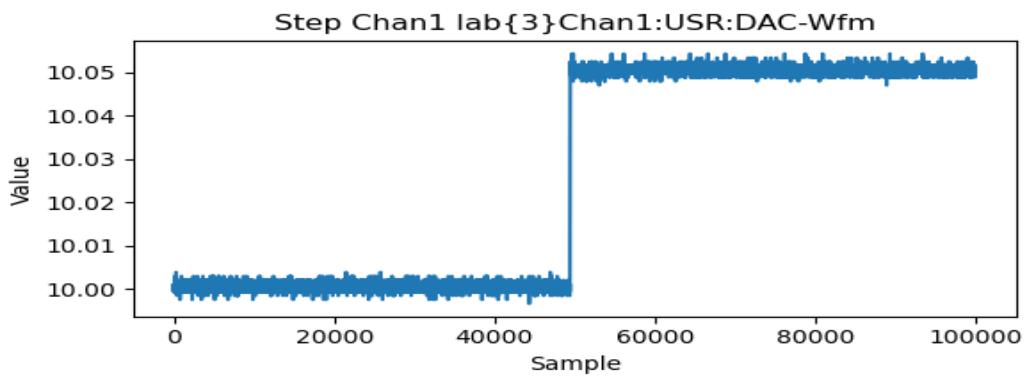
Step Chan1 PV: lab{3}Chan1:USR:DCCT1-Wfm



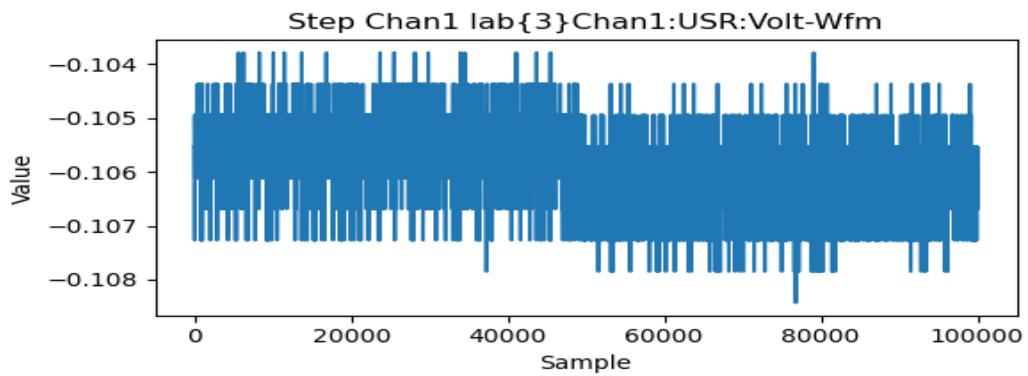
Step Chan1 PV: lab{3}Chan1:USR:DCCT2-Wfm



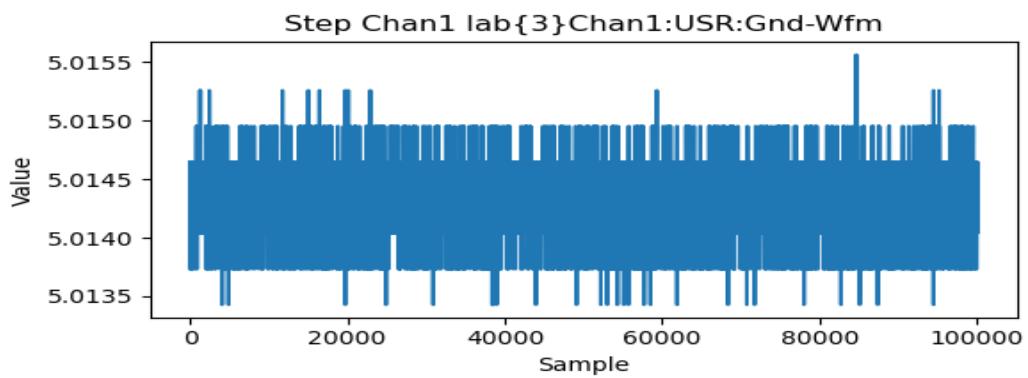
Step Chan1 PV: lab{3}Chan1:USR:DAC-Wfm



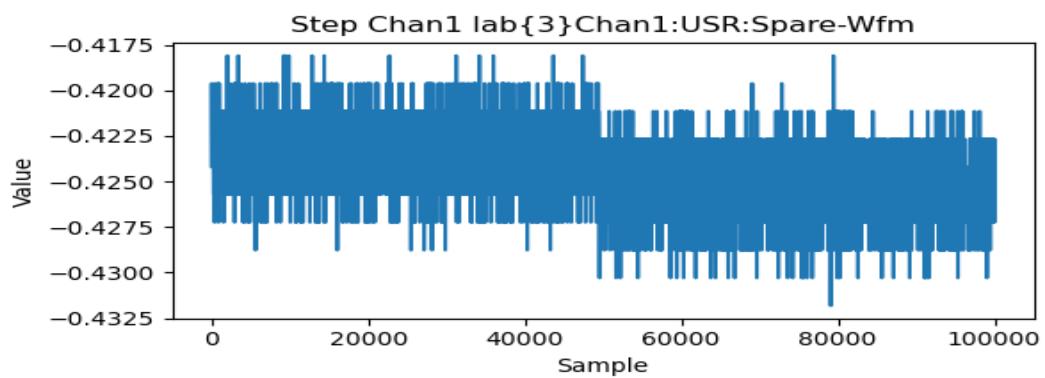
Step Chan1 PV: lab{3}Chan1:USR:Volt-Wfm



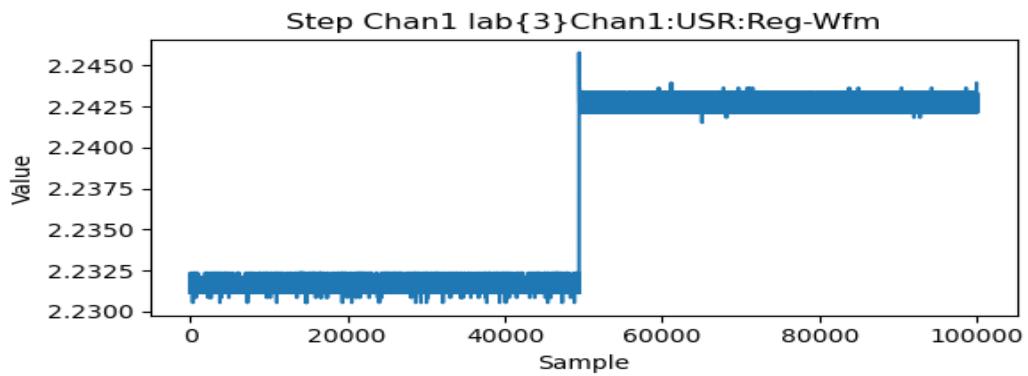
Step Chan1 PV: lab{3}Chan1:USR:Gnd-Wfm



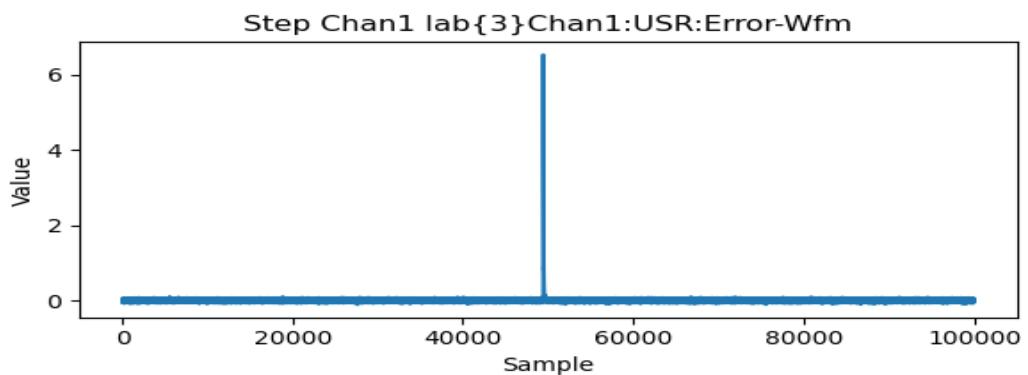
Step Chan1 PV: lab{3}Chan1:USR:Spare-Wfm



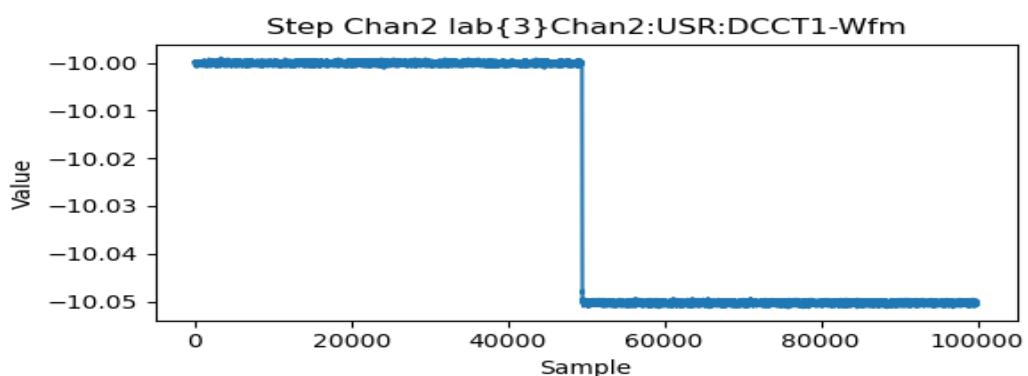
Step Chan1 PV: lab{3}Chan1:USR:Reg-Wfm



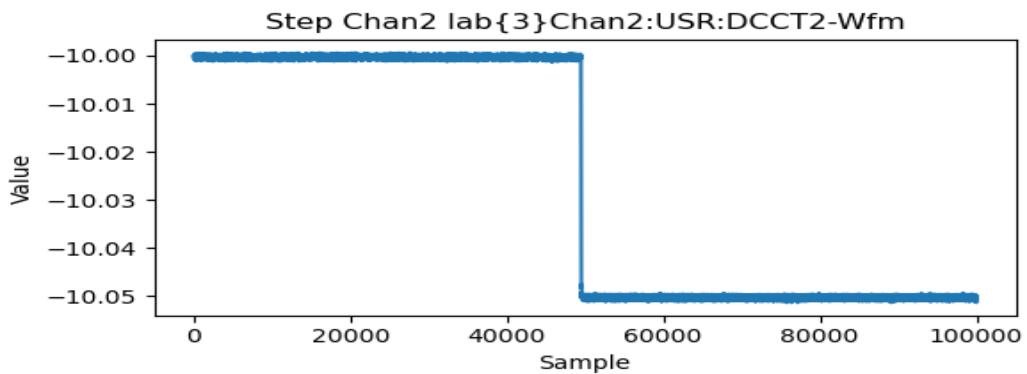
Step Chan1 PV: lab{3}Chan1:USR:Error-Wfm



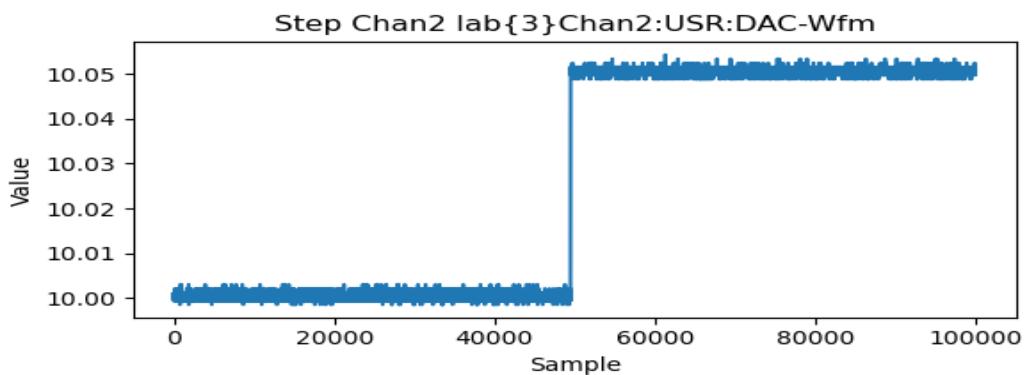
Step Chan2 PV: lab{3}Chan2:USR:DCCT1-Wfm



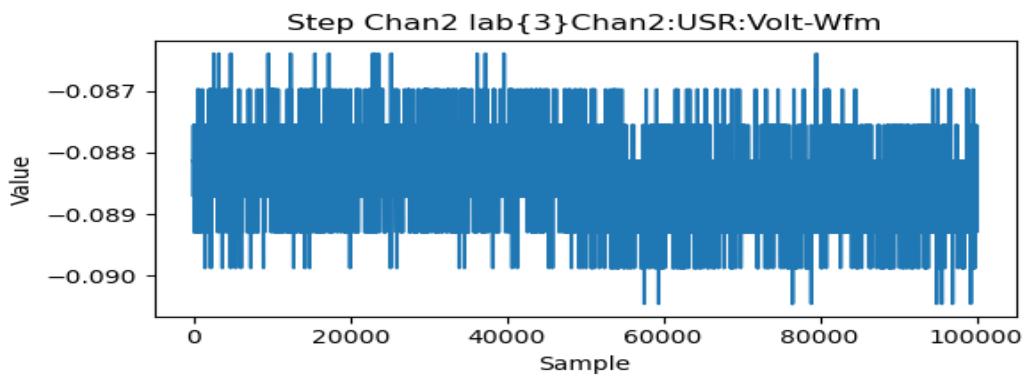
Step Chan2 PV: lab{3}Chan2:USR:DCCT2-Wfm



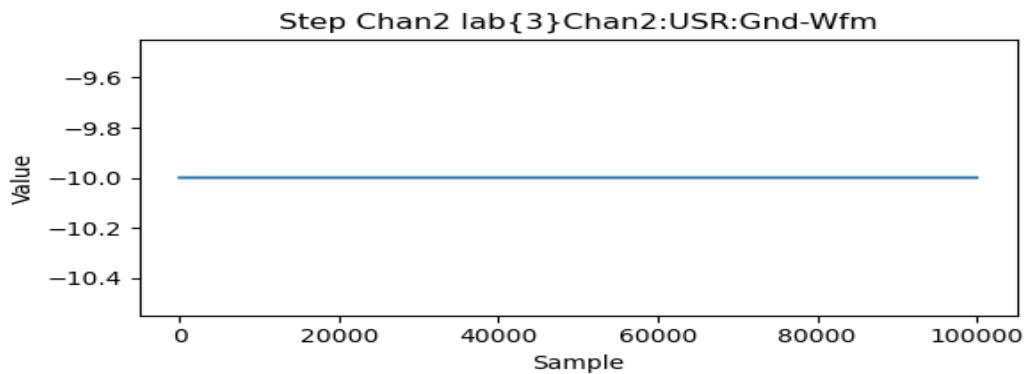
Step Chan2 PV: lab{3}Chan2:USR:DAC-Wfm



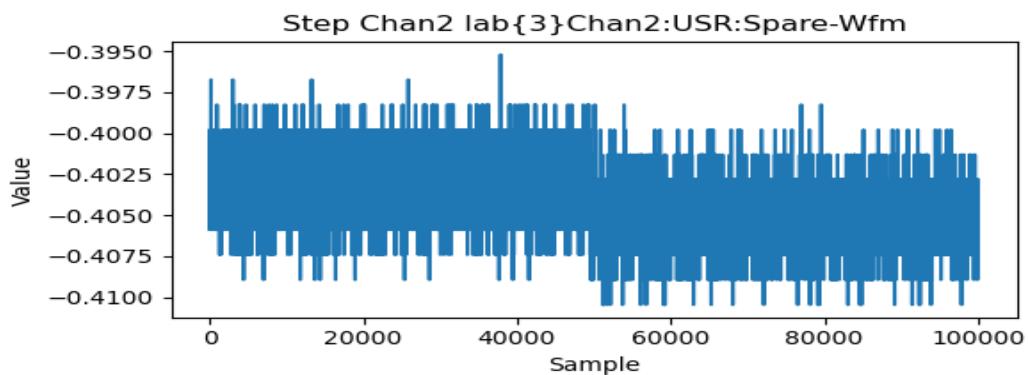
Step Chan2 PV: lab{3}Chan2:USR:Volt-Wfm



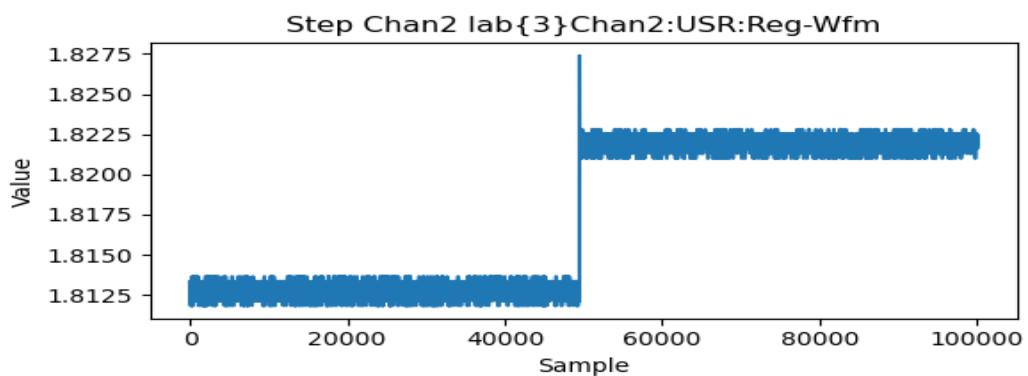
Step Chan2 PV: lab{3}Chan2:USR:Gnd-Wfm



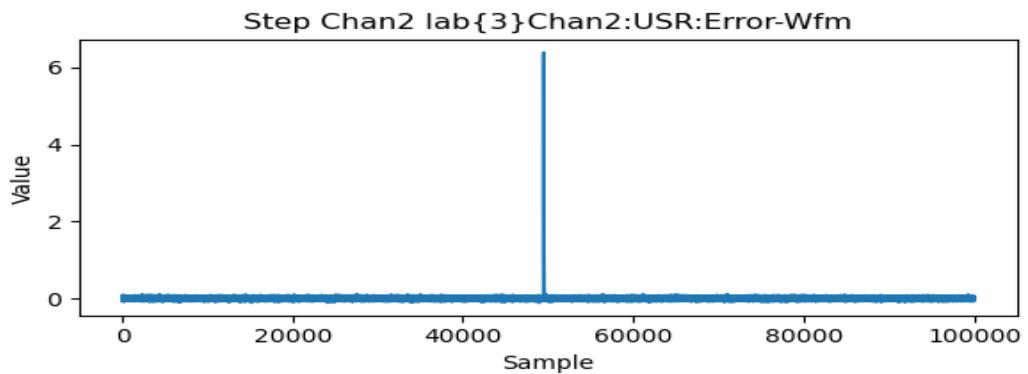
Step Chan2 PV: lab{3}Chan2:USR:Spare-Wfm



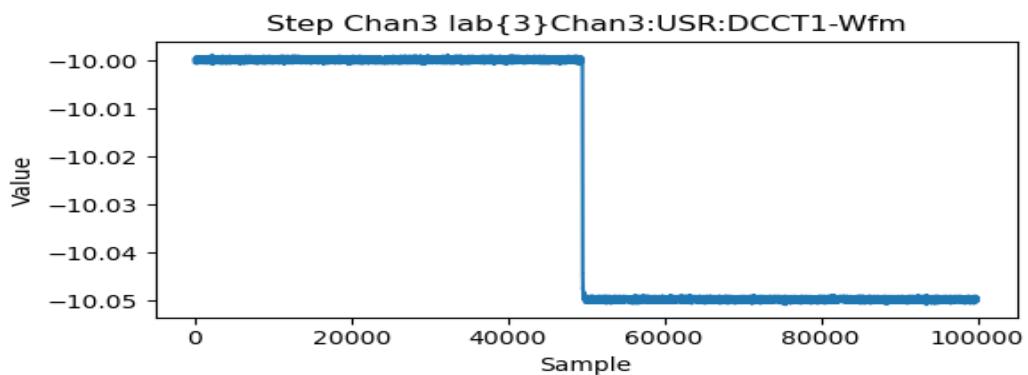
Step Chan2 PV: lab{3}Chan2:USR:Reg-Wfm



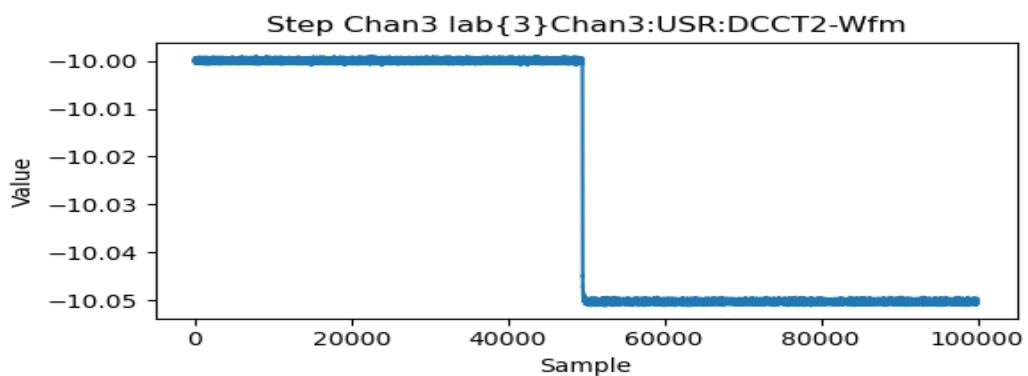
Step Chan2 PV: lab{3}Chan2:USR:Error-Wfm



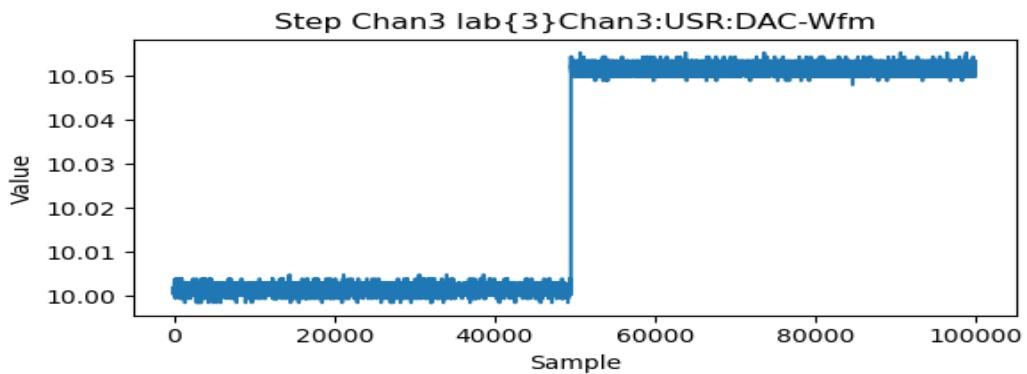
Step Chan3 PV: lab{3}Chan3:USR:DCCT1-Wfm



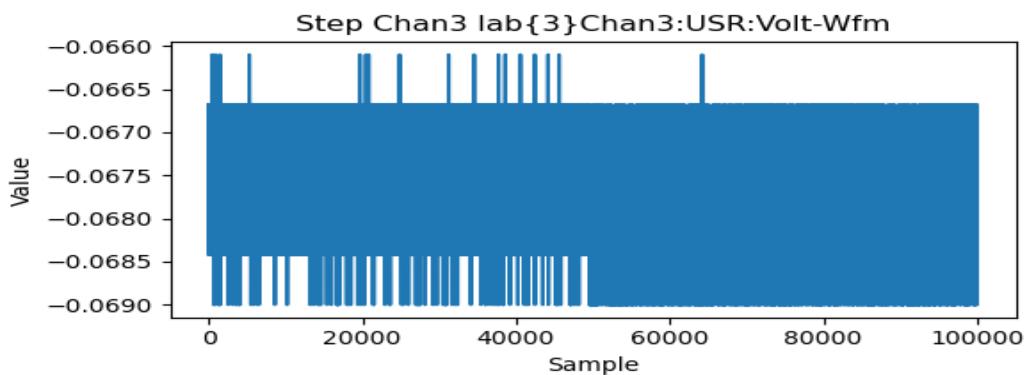
Step Chan3 PV: lab{3}Chan3:USR:DCCT2-Wfm



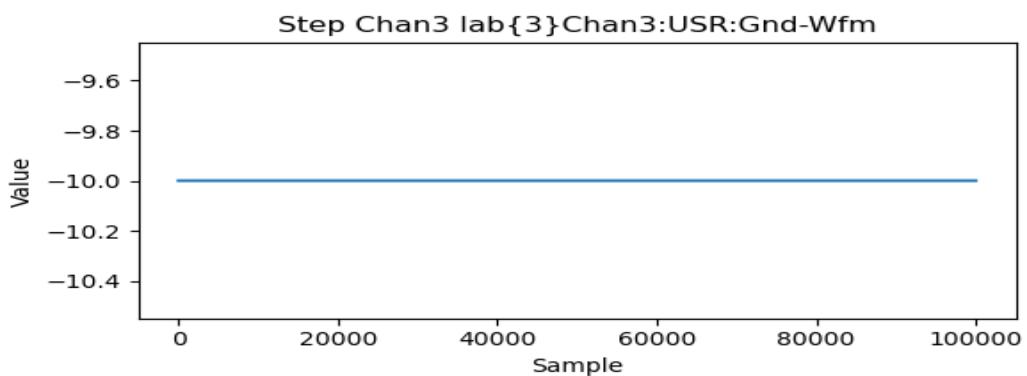
Step Chan3 PV: lab{3}Chan3:USR:DAC-Wfm



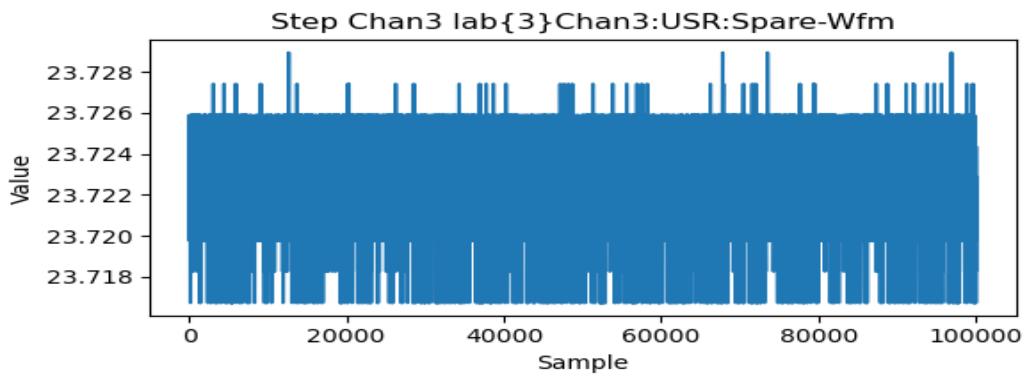
Step Chan3 PV: lab{3}Chan3:USR:Volt-Wfm



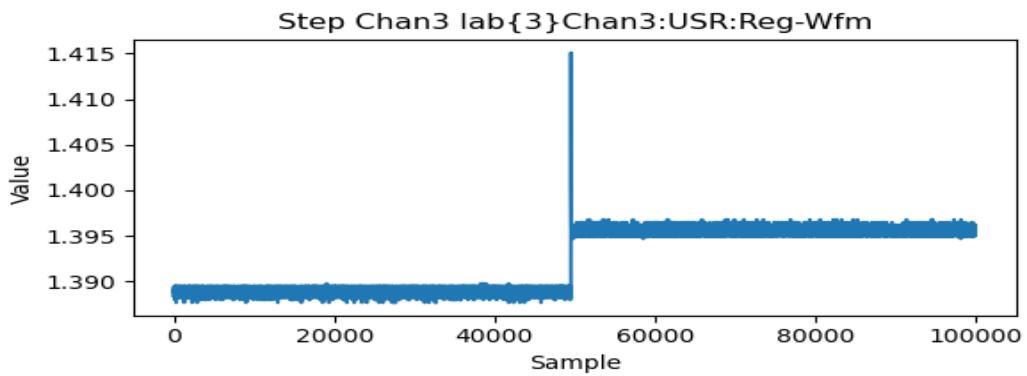
Step Chan3 PV: lab{3}Chan3:USR:Gnd-Wfm



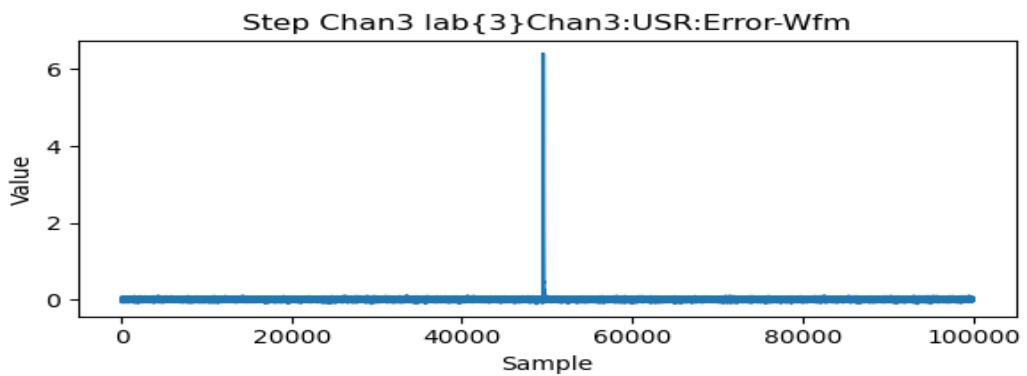
Step Chan3 PV: lab{3}Chan3:USR:Spare-Wfm



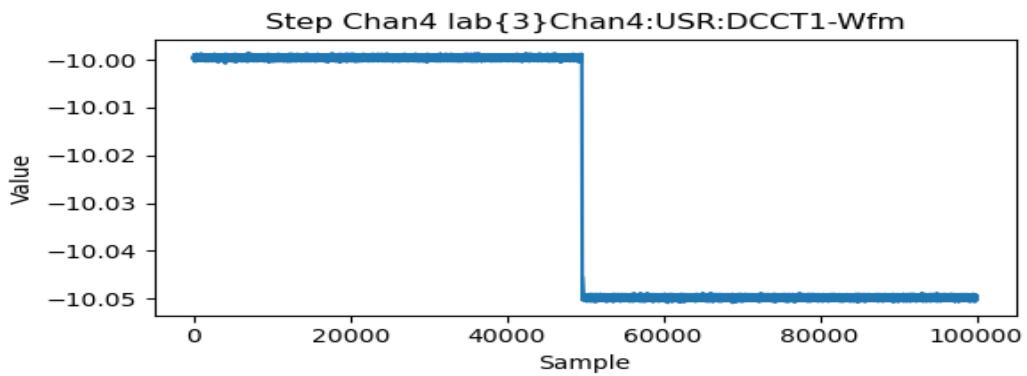
Step Chan3 PV: lab{3}Chan3:USR:Reg-Wfm



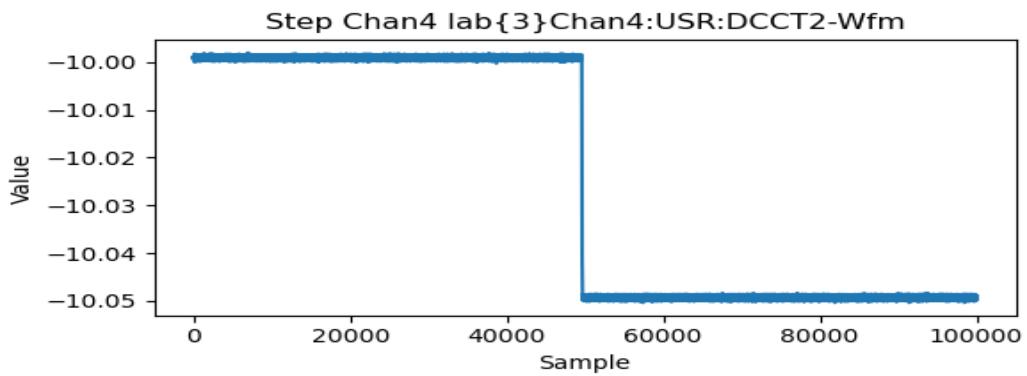
Step Chan3 PV: lab{3}Chan3:USR:Error-Wfm



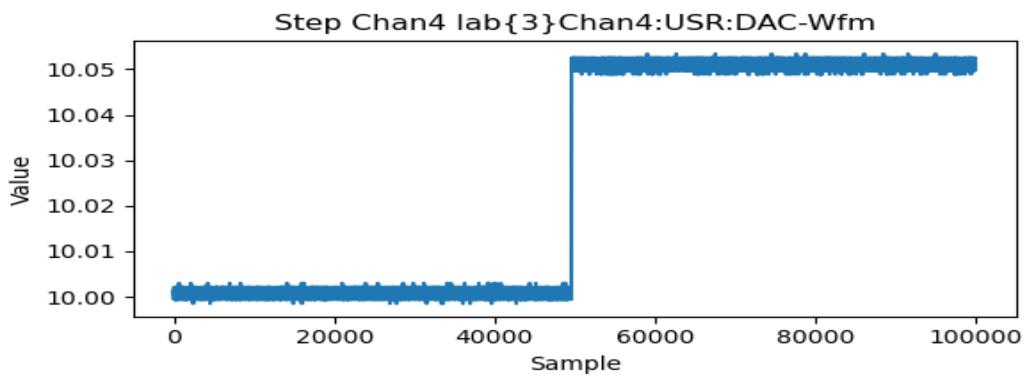
Step Chan4 PV: lab{3}Chan4:USR:DCCT1-Wfm



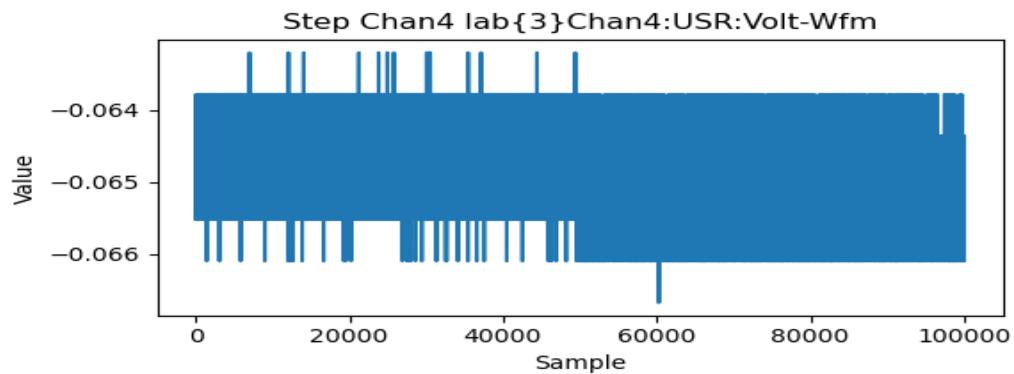
Step Chan4 PV: lab{3}Chan4:USR:DCCT2-Wfm



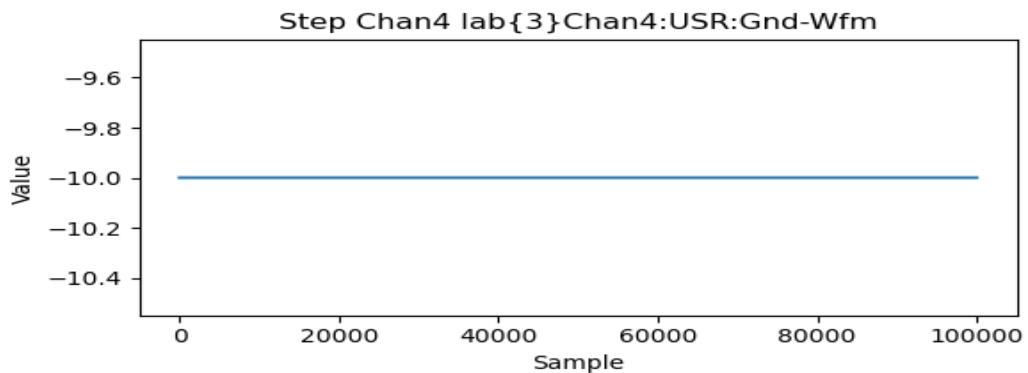
Step Chan4 PV: lab{3}Chan4:USR:DAC-Wfm



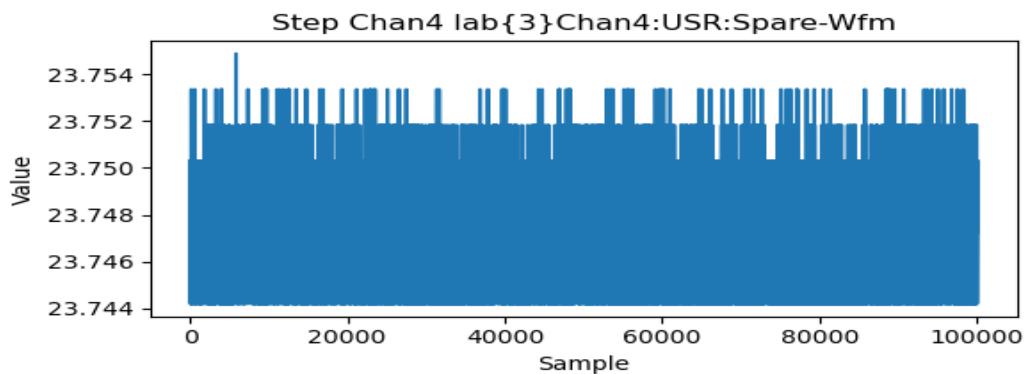
Step Chan4 PV: lab{3}Chan4:USR:Volt-Wfm



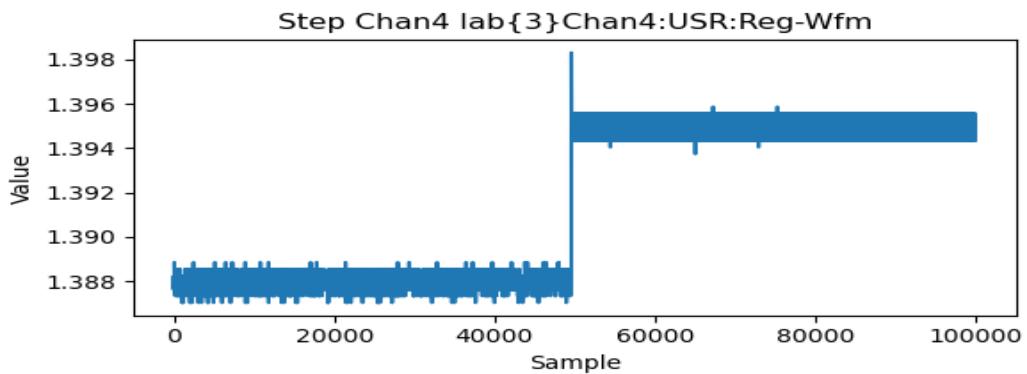
Step Chan4 PV: lab{3}Chan4:USR:Gnd-Wfm



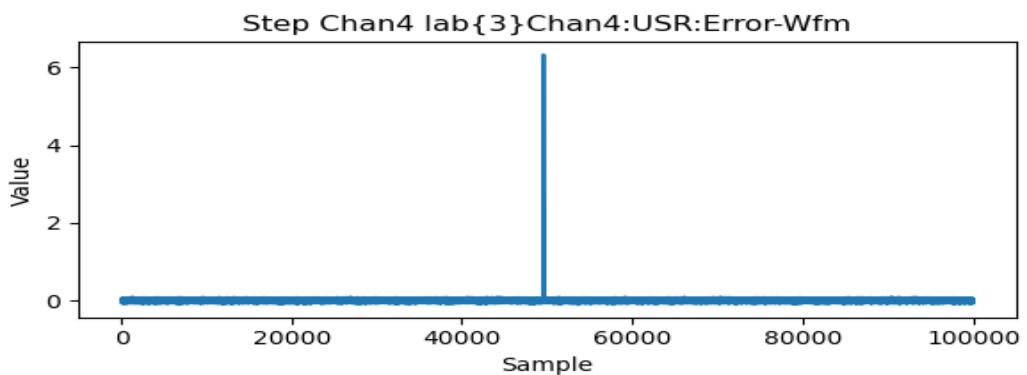
Step Chan4 PV: lab{3}Chan4:USR:Spare-Wfm



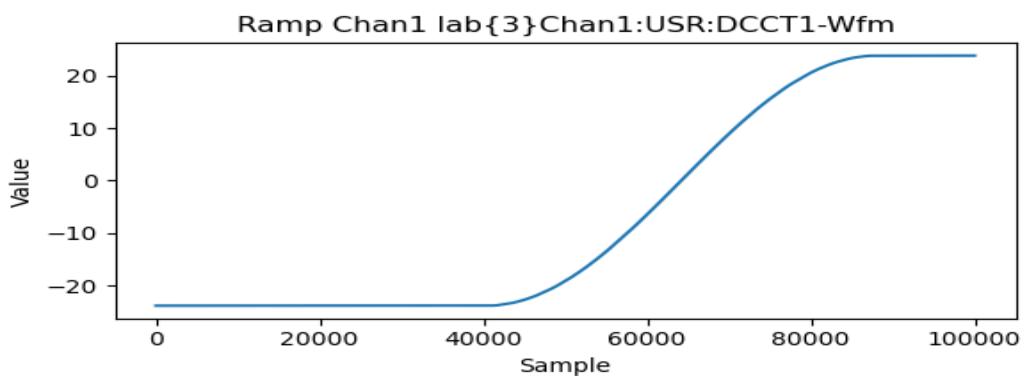
Step Chan4 PV: lab{3}Chan4:USR:Reg-Wfm



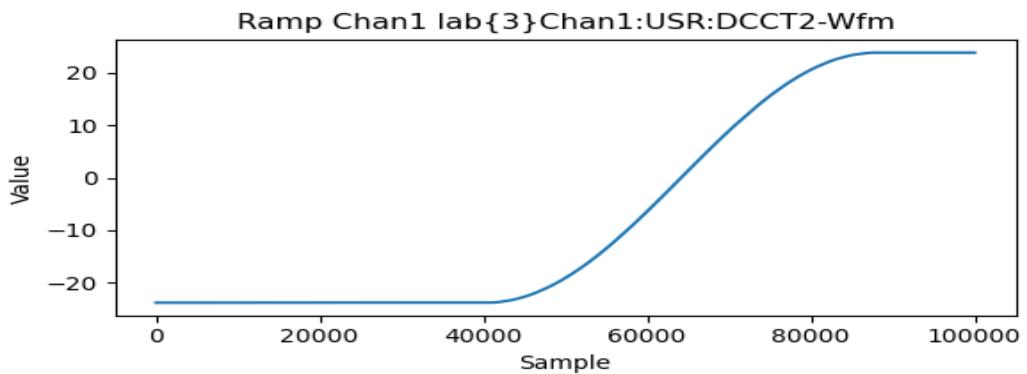
Step Chan4 PV: lab{3}Chan4:USR:Error-Wfm



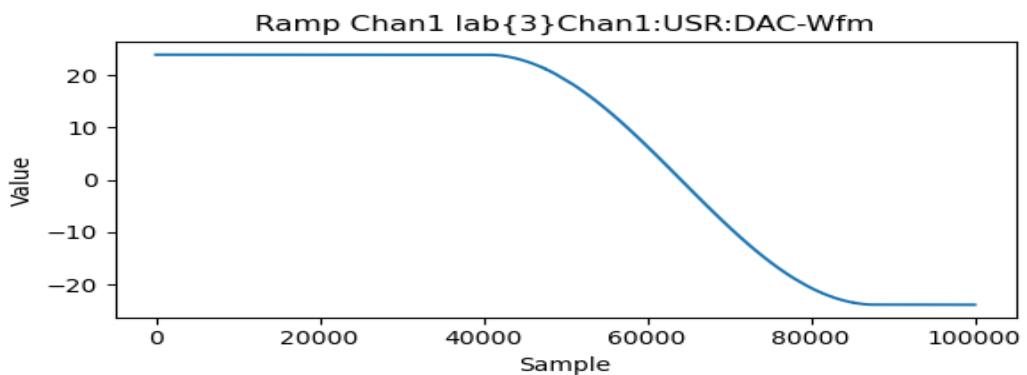
Ramp Chan1 PV: lab{3}Chan1:USR:DCCT1-Wfm



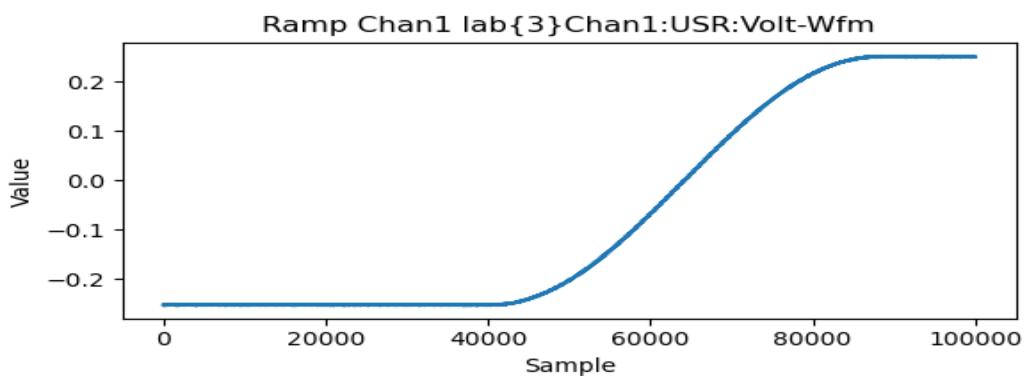
Ramp Chan1 PV: lab{3}Chan1:USR:DCCT2-Wfm



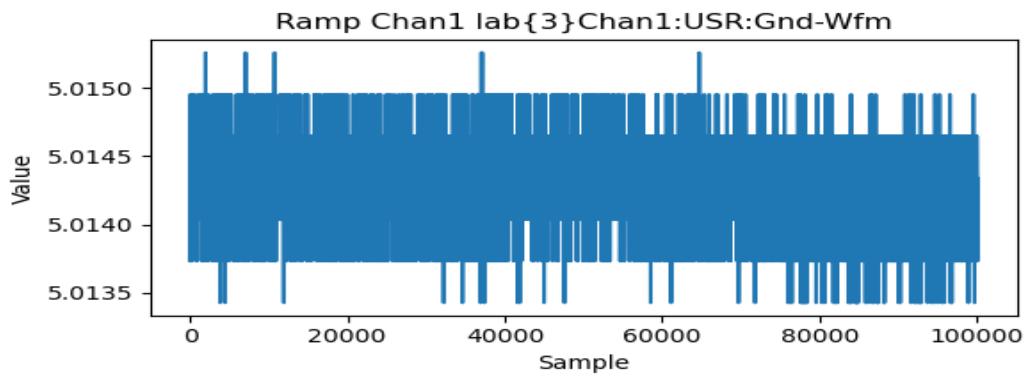
Ramp Chan1 PV: lab{3}Chan1:USR:DAC-Wfm



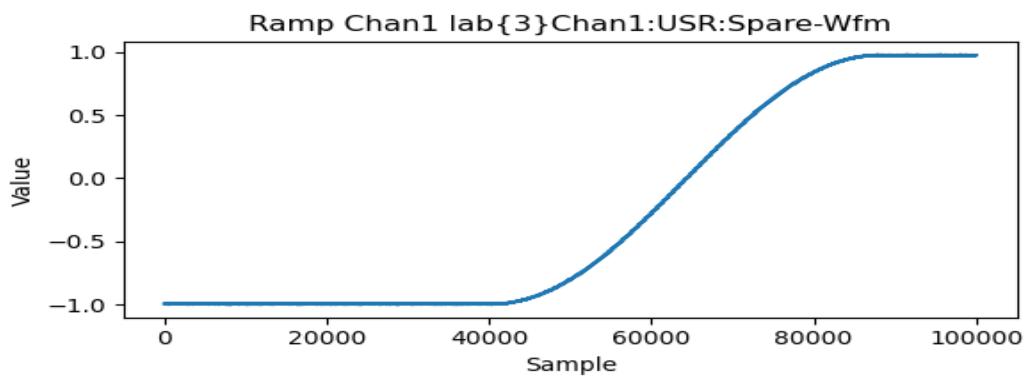
Ramp Chan1 PV: lab{3}Chan1:USR:Volt-Wfm



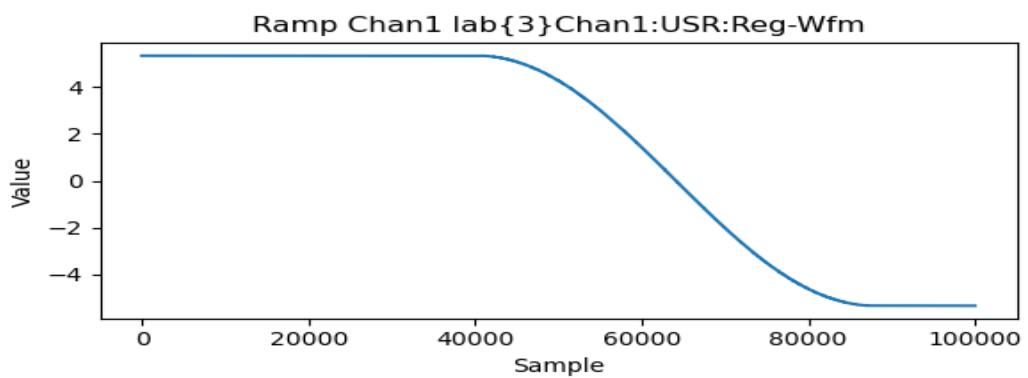
Ramp Chan1 PV: lab{3}Chan1:USR:Gnd-Wfm



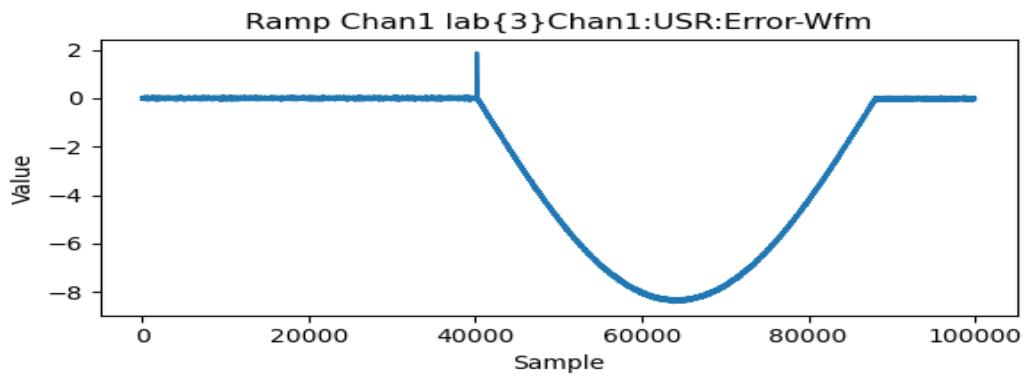
Ramp Chan1 PV: lab{3}Chan1:USR:Spare-Wfm



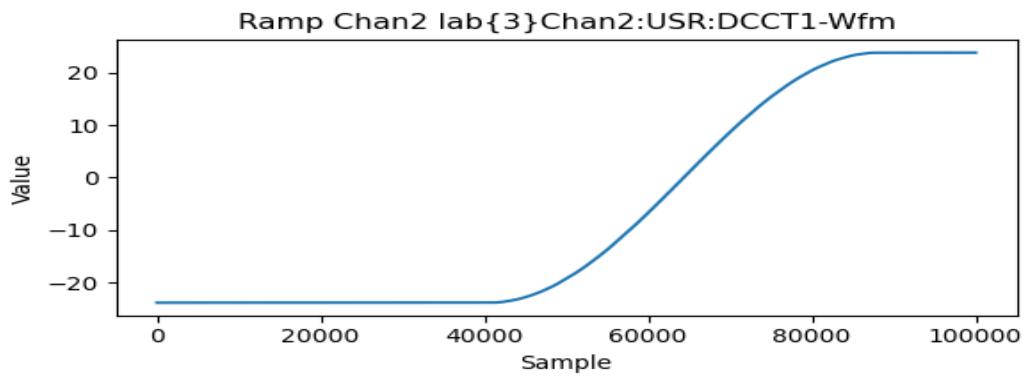
Ramp Chan1 PV: lab{3}Chan1:USR:Reg-Wfm



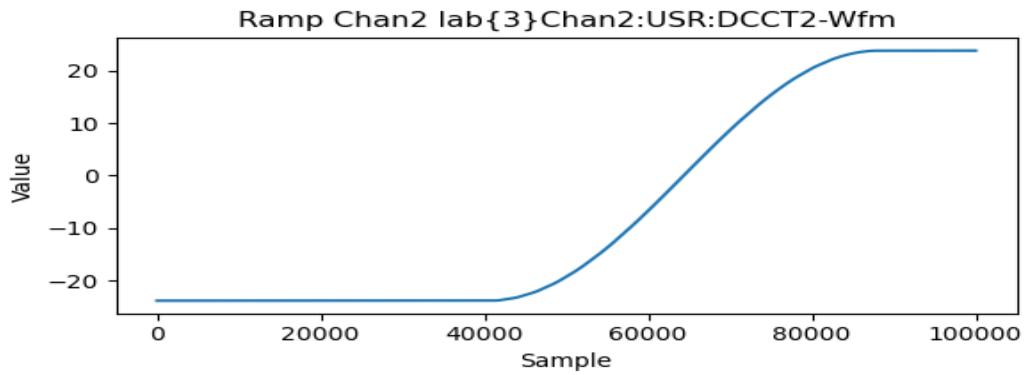
Ramp Chan1 PV: lab{3}Chan1:USR>Error-Wfm



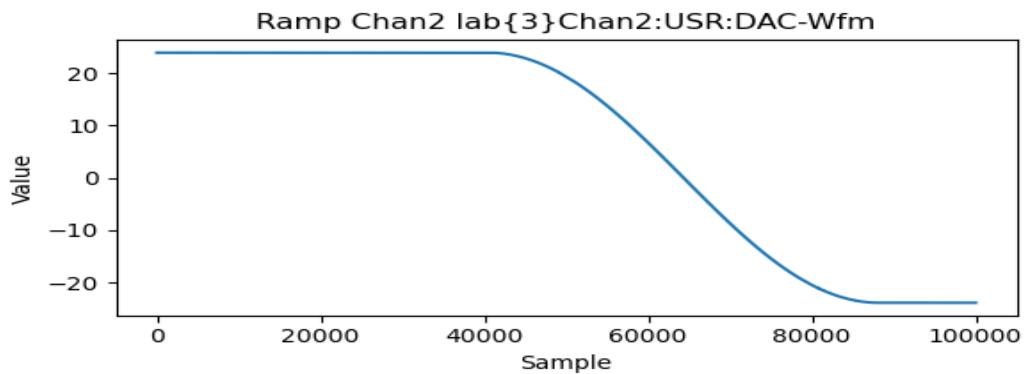
Ramp Chan2 PV: lab{3}Chan2:USR:DCCT1-Wfm



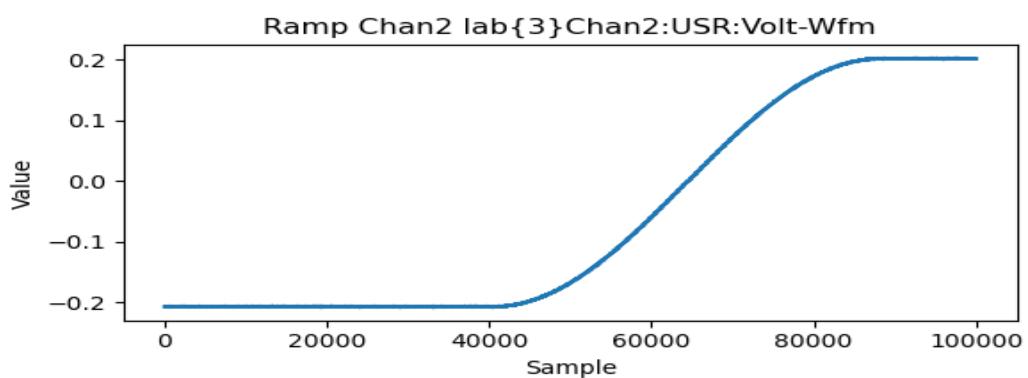
Ramp Chan2 PV: lab{3}Chan2:USR:DCCT2-Wfm



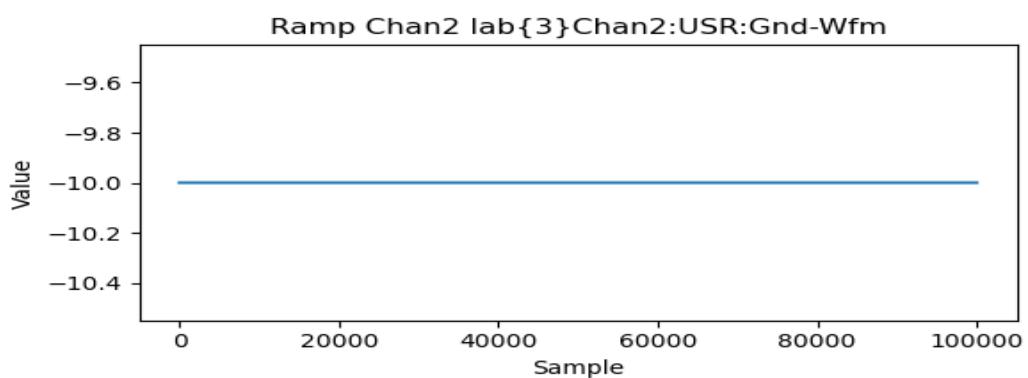
Ramp Chan2 PV: lab{3}Chan2:USR:DAC-Wfm



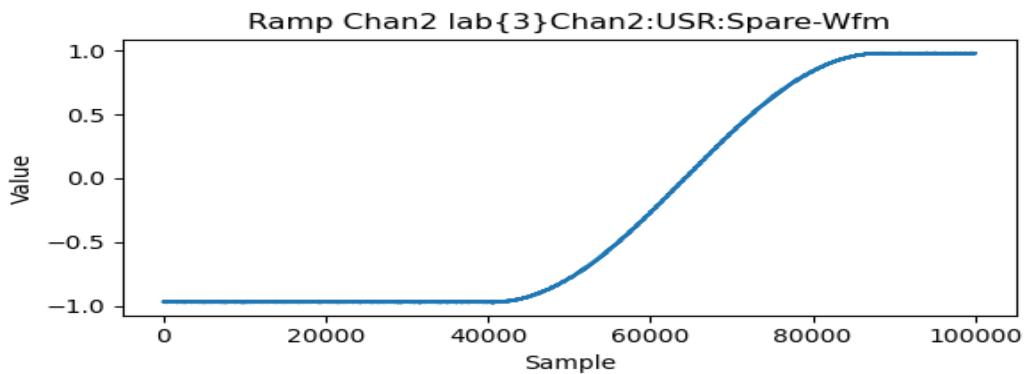
Ramp Chan2 PV: lab{3}Chan2:USR:Volt-Wfm



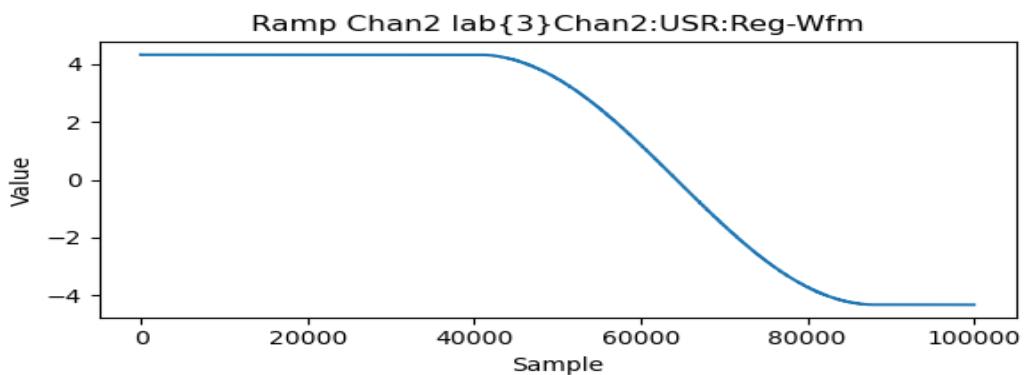
Ramp Chan2 PV: lab{3}Chan2:USR:Gnd-Wfm



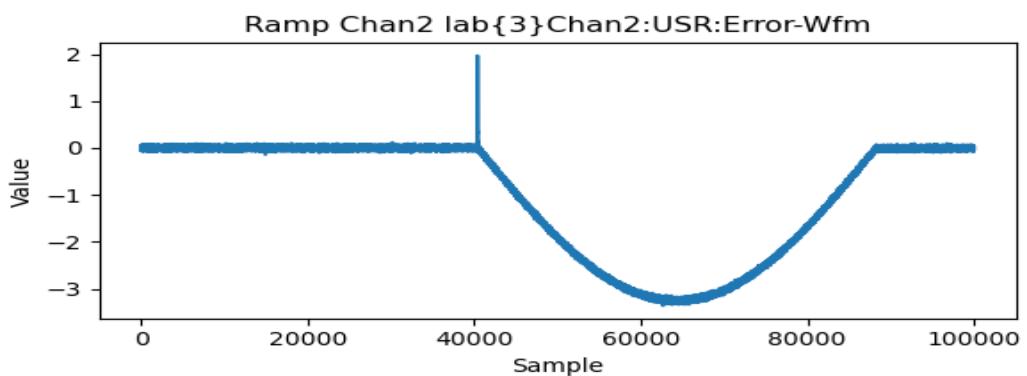
Ramp Chan2 PV: lab{3}Chan2:USR:Spare-Wfm



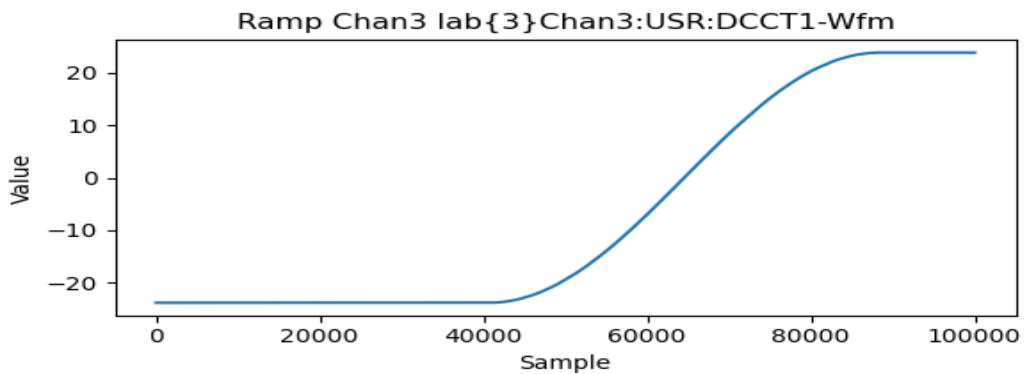
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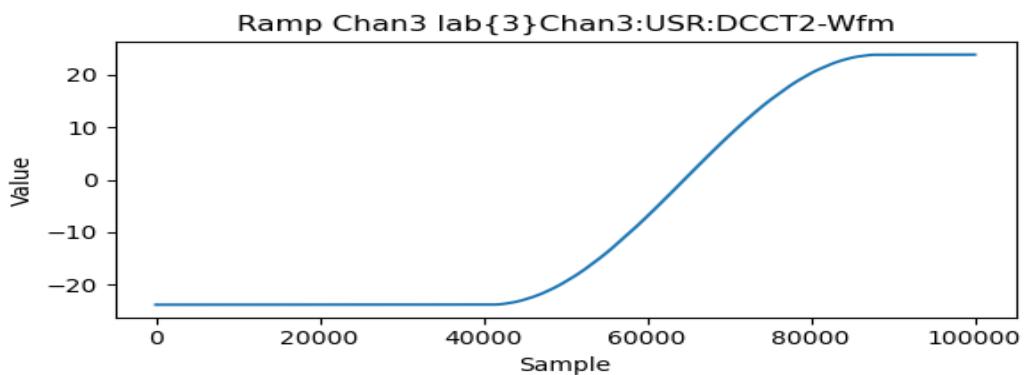
Ramp Chan2 PV: lab{3}Chan2:USR:Error-Wfm



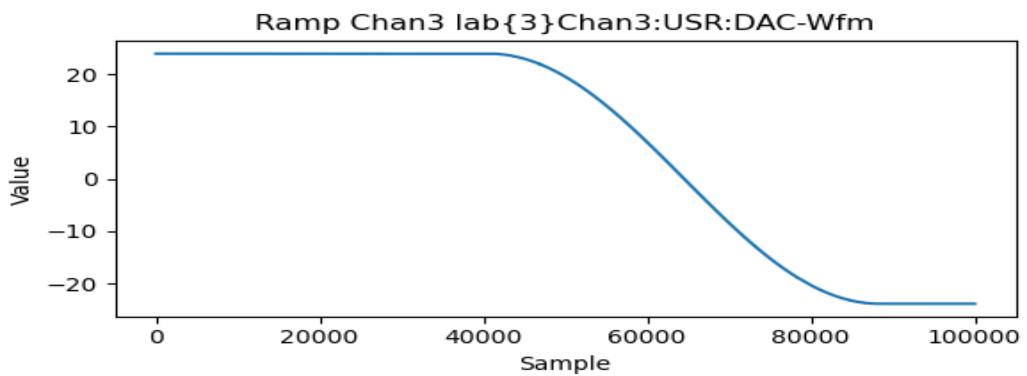
Ramp Chan3 PV: lab{3}Chan3:USR:DCCT1-Wfm



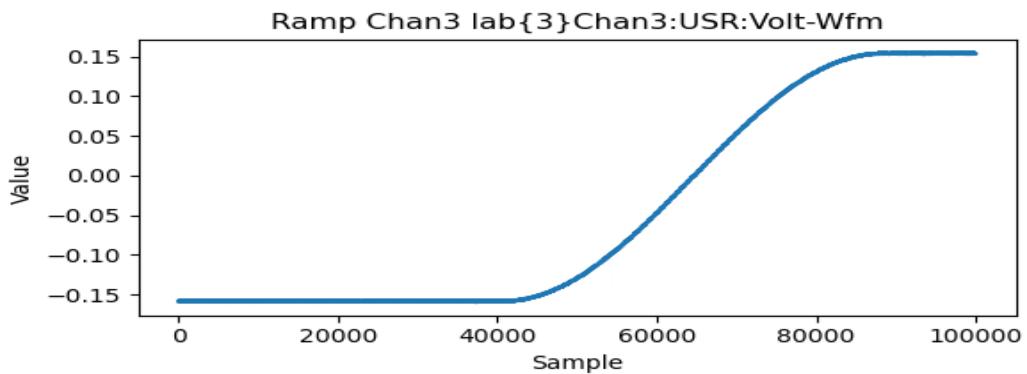
Ramp Chan3 PV: lab{3}Chan3:USR:DCCT2-Wfm



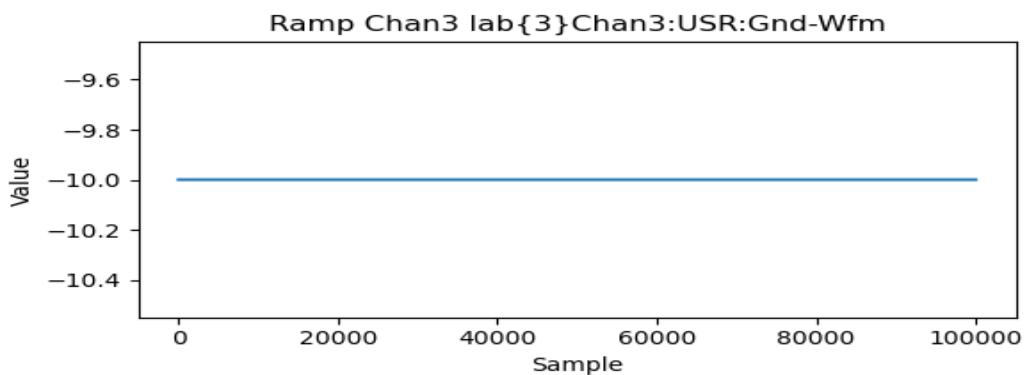
Ramp Chan3 PV: lab{3}Chan3:USR:DAC-Wfm



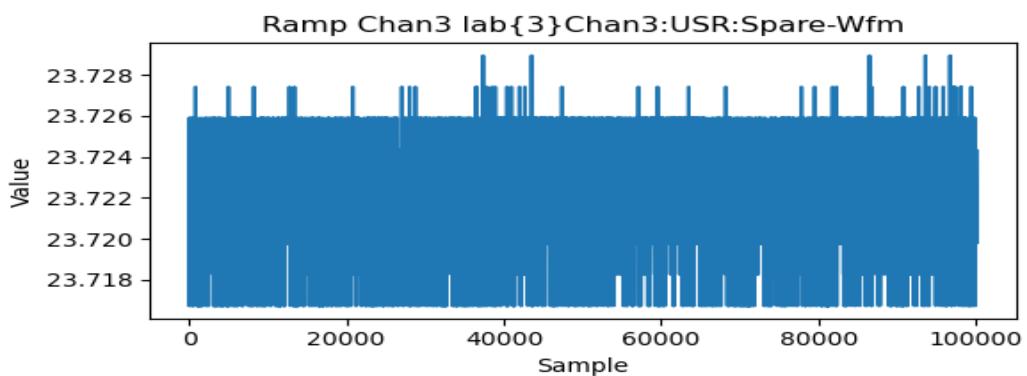
Ramp Chan3 PV: lab{3}Chan3:USR:Volt-Wfm



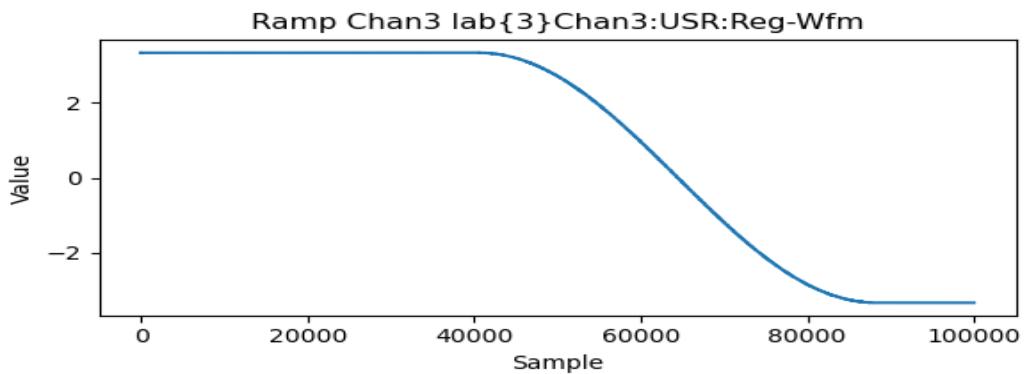
Ramp Chan3 PV: lab{3}Chan3:USR:Gnd-Wfm



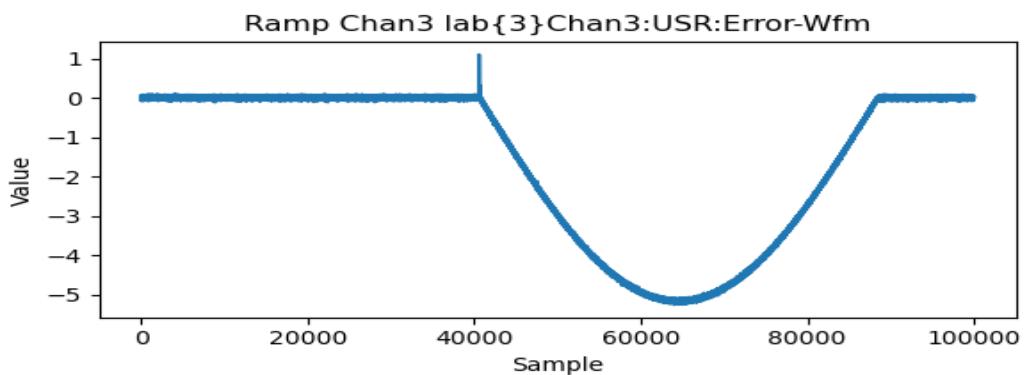
Ramp Chan3 PV: lab{3}Chan3:USR:Spare-Wfm



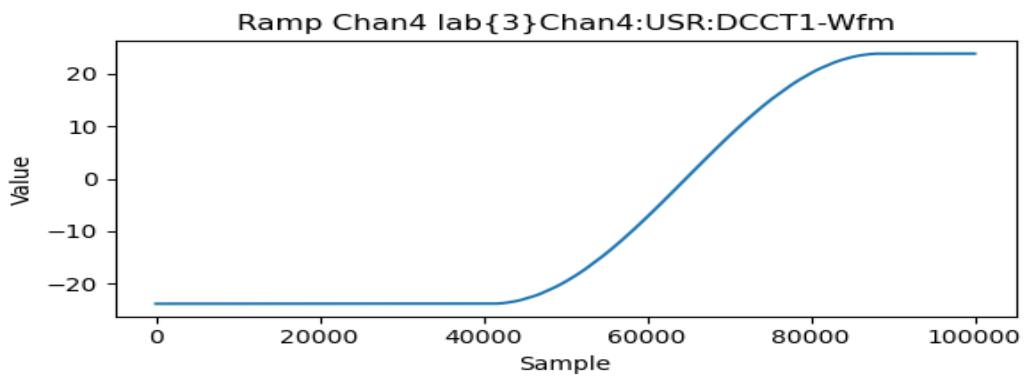
Ramp Chan3 PV: lab{3}Chan3:USR:Reg-Wfm



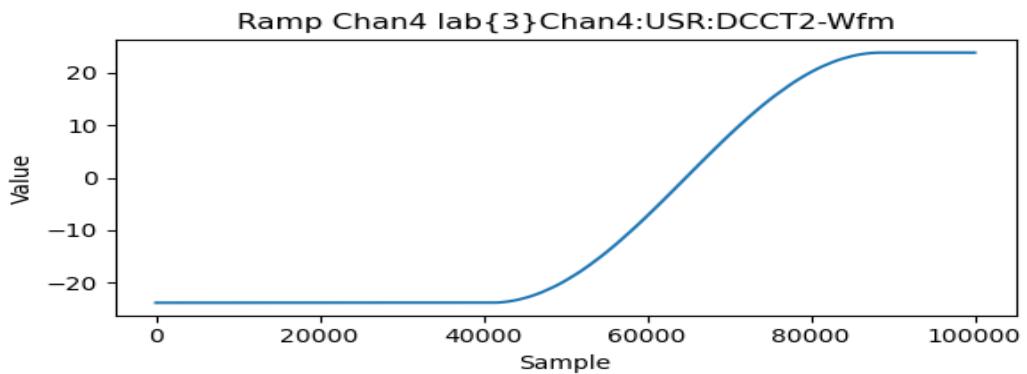
Ramp Chan3 PV: lab{3}Chan3:USR:Error-Wfm



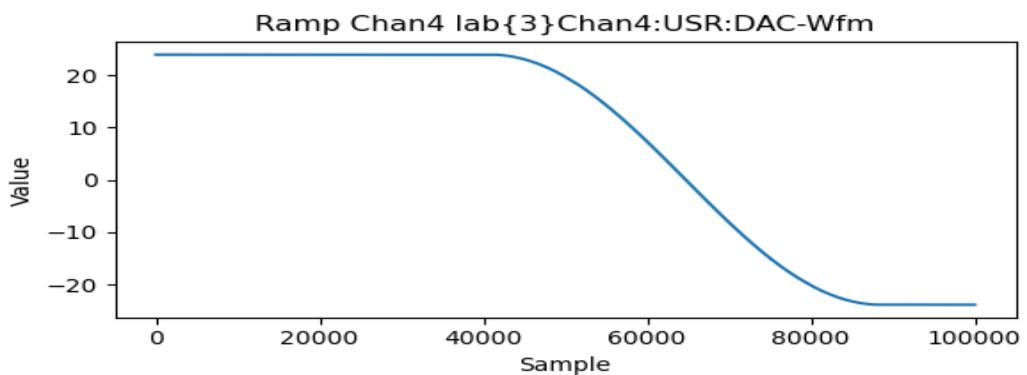
Ramp Chan4 PV: lab{3}Chan4:USR:DCCT1-Wfm



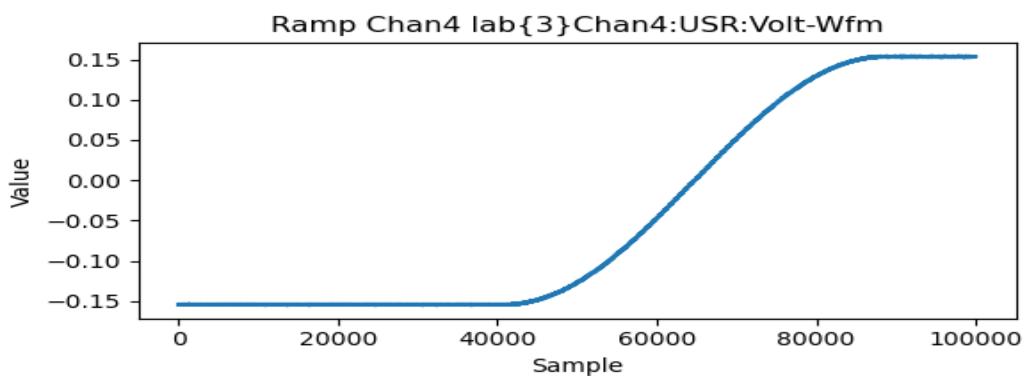
Ramp Chan4 PV: lab{3}Chan4:USR:DCCT2-Wfm



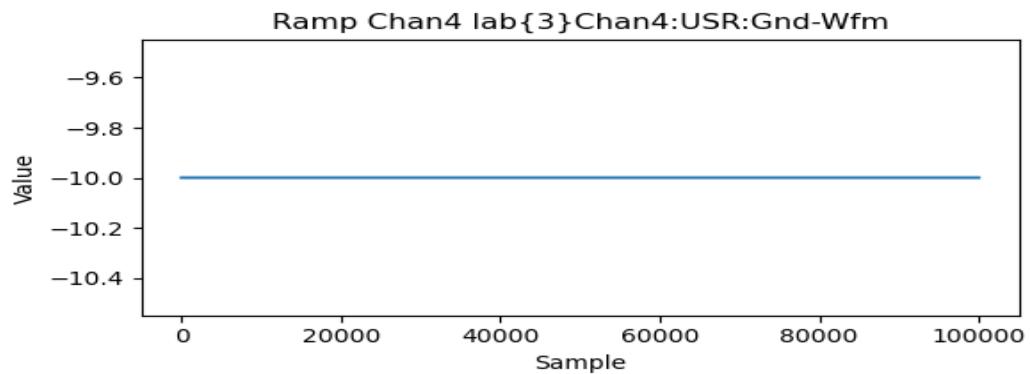
Ramp Chan4 PV: lab{3}Chan4:USR:DAC-Wfm



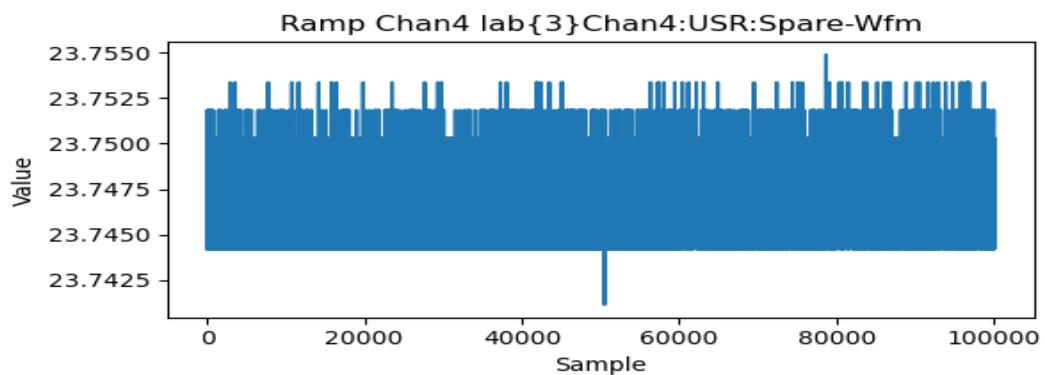
Ramp Chan4 PV: lab{3}Chan4:USR:Volt-Wfm



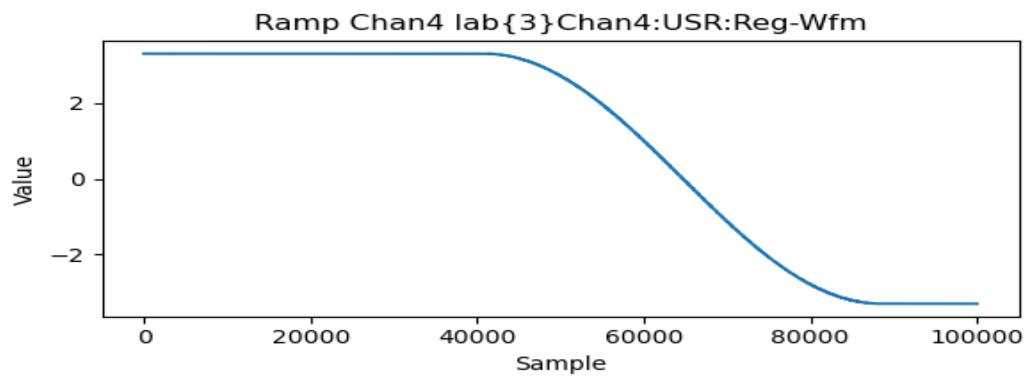
Ramp Chan4 PV: lab{3}Chan4:USR:Gnd-Wfm



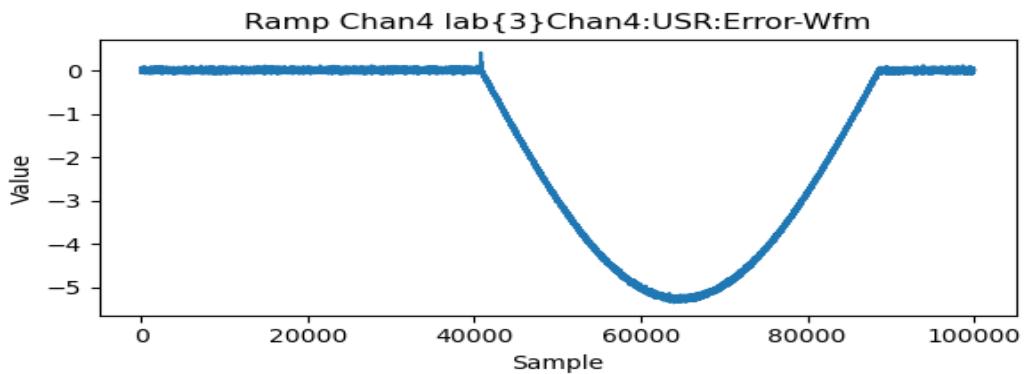
Ramp Chan4 PV: lab{3}Chan4:USR:Spare-Wfm



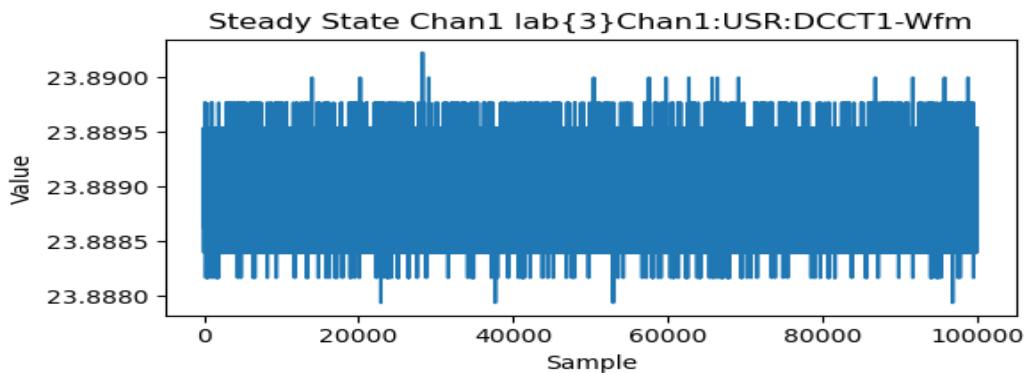
Ramp Chan4 PV: lab{3}Chan4:USR:Reg-Wfm



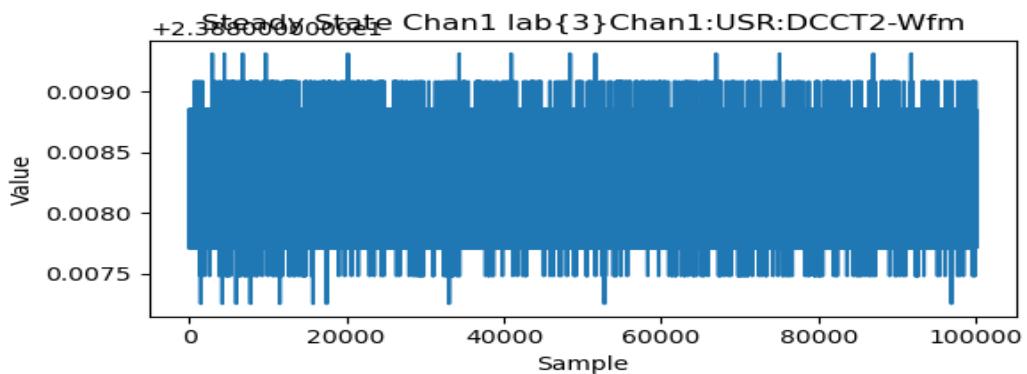
Ramp Chan4 PV: lab{3}Chan4:USR>Error-Wfm



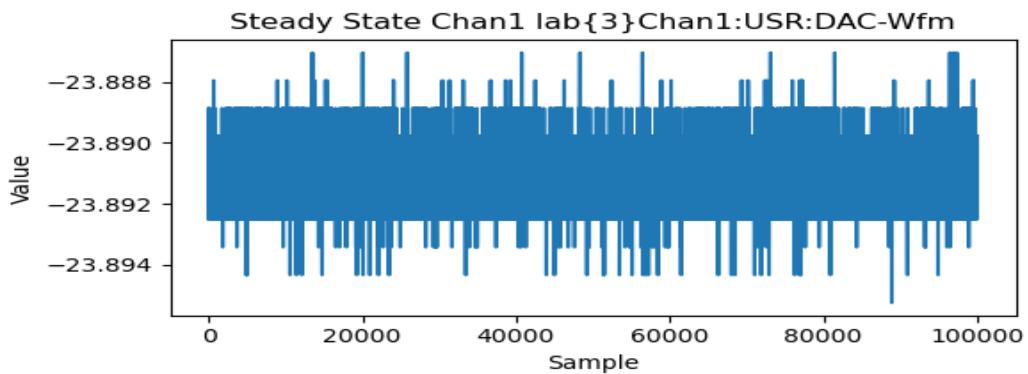
Steady State Chan1 PV: lab{3}Chan1:USR:DCCT1-Wfm



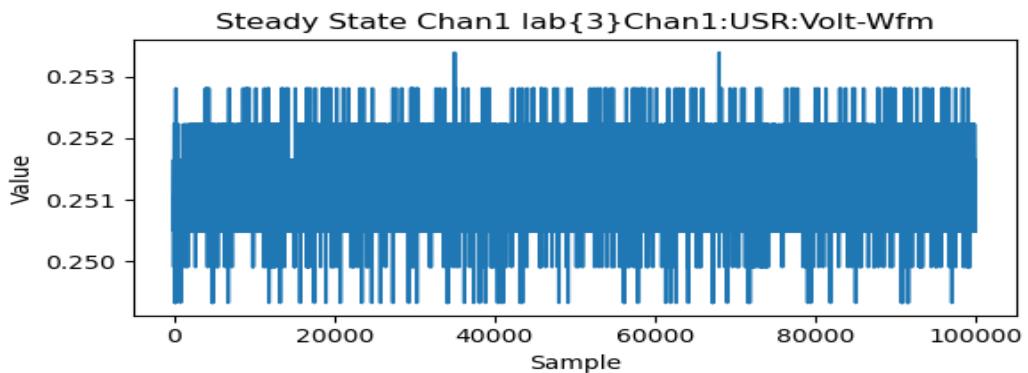
Steady State Chan1 PV: lab{3}Chan1:USR:DCCT2-Wfm



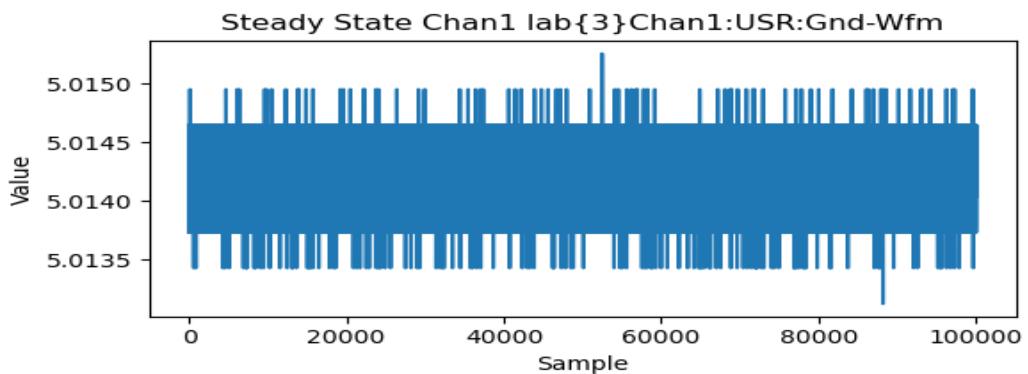
Steady State Chan1 PV: lab{3}Chan1:USR:DAC-Wfm



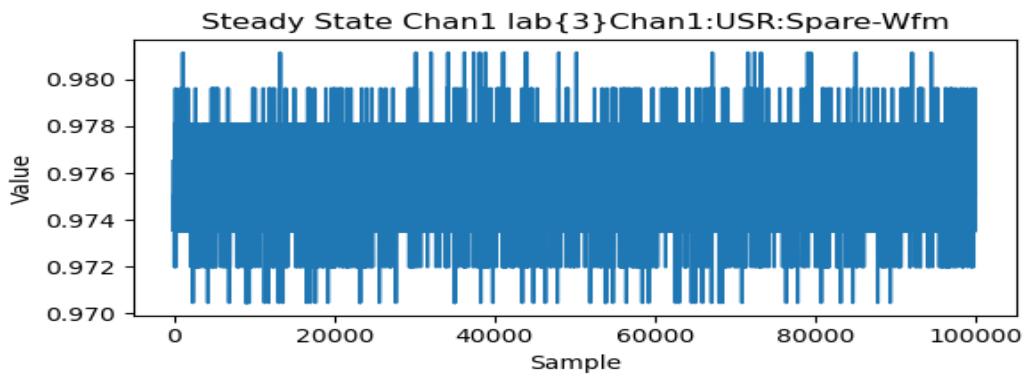
Steady State Chan1 PV: lab{3}Chan1:USR:Volt-Wfm



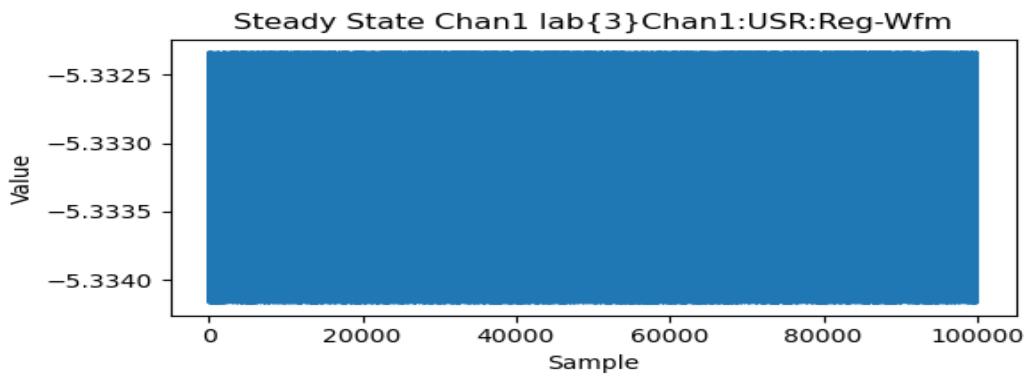
Steady State Chan1 PV: lab{3}Chan1:USR:Gnd-Wfm



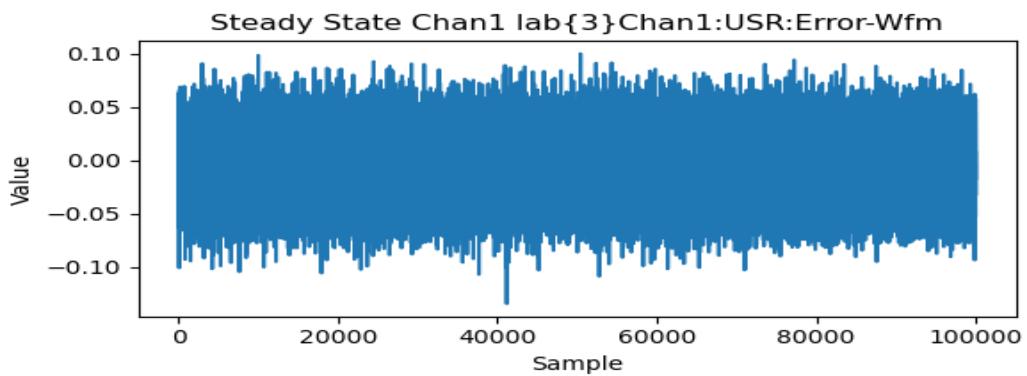
Steady State Chan1 PV: lab{3}Chan1:USR:Spare-Wfm



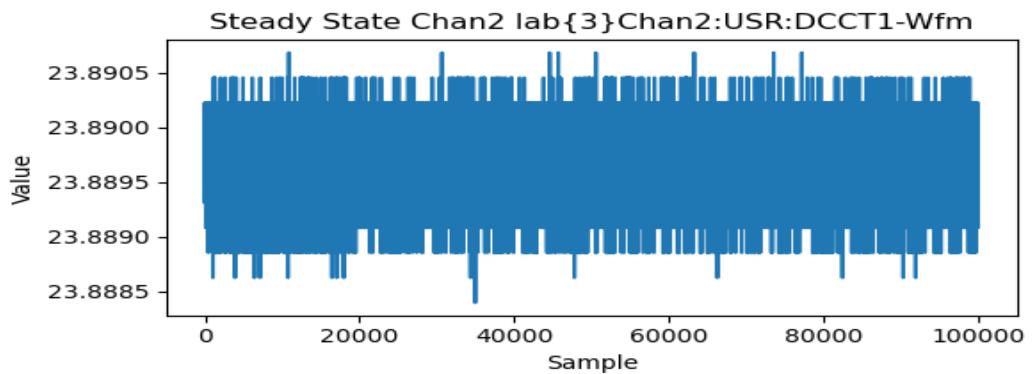
Steady State Chan1 PV: lab{3}Chan1:USR:Reg-Wfm



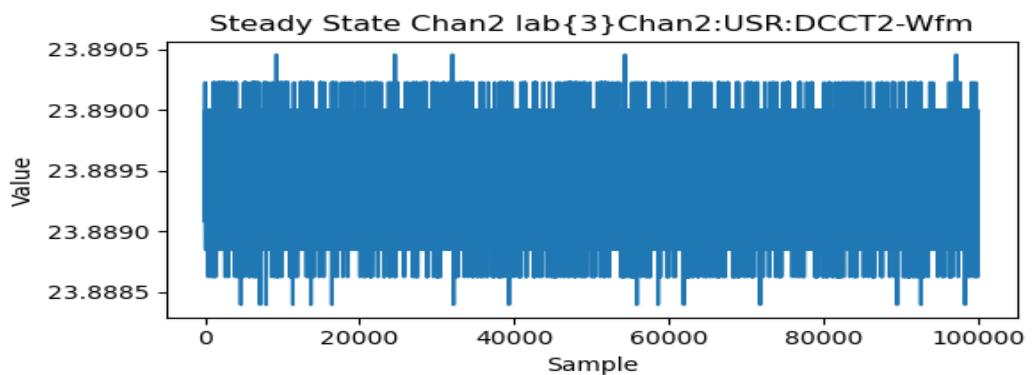
Steady State Chan1 PV: lab{3}Chan1:USR:Error-Wfm



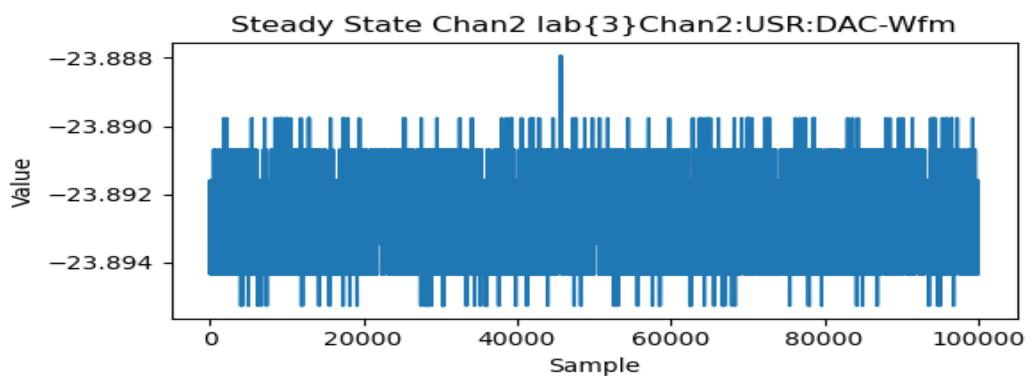
Steady State Chan2 PV: lab{3}Chan2:USR:DCCT1-Wfm



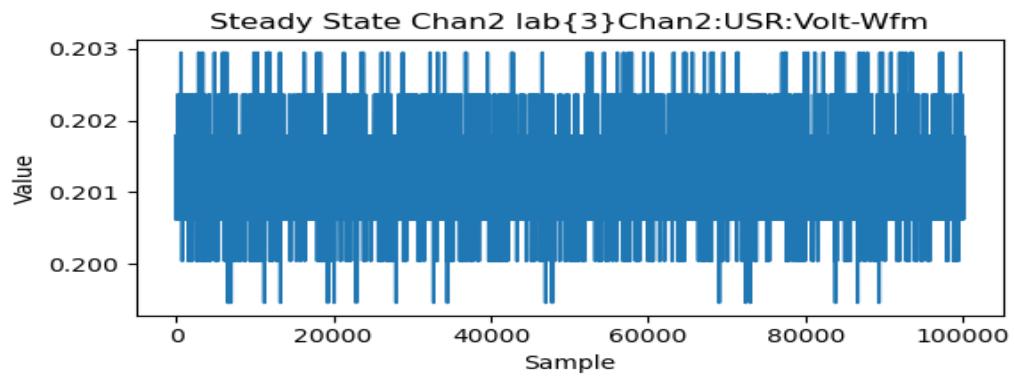
Steady State Chan2 PV: lab{3}Chan2:USR:DCCT2-Wfm



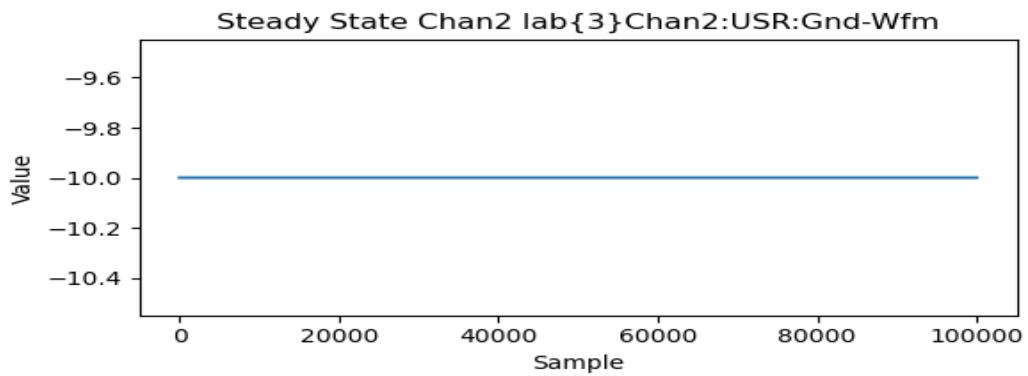
Steady State Chan2 PV: lab{3}Chan2:USR:DAC-Wfm



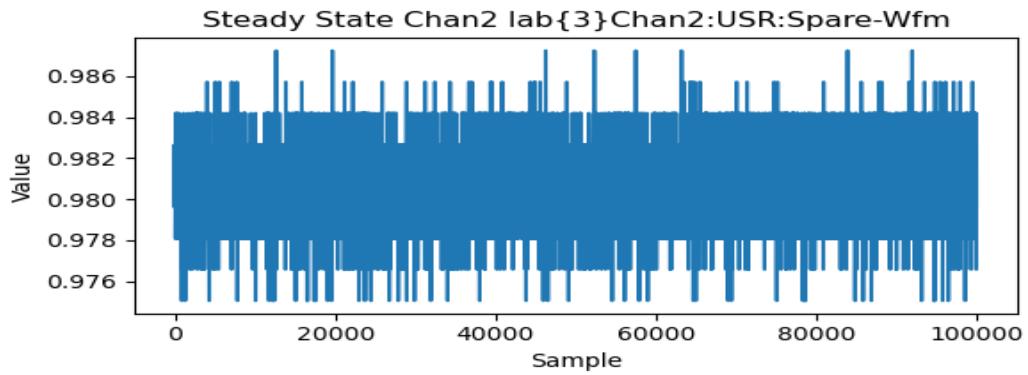
Steady State Chan2 PV: lab{3}Chan2:USR:Volt-Wfm



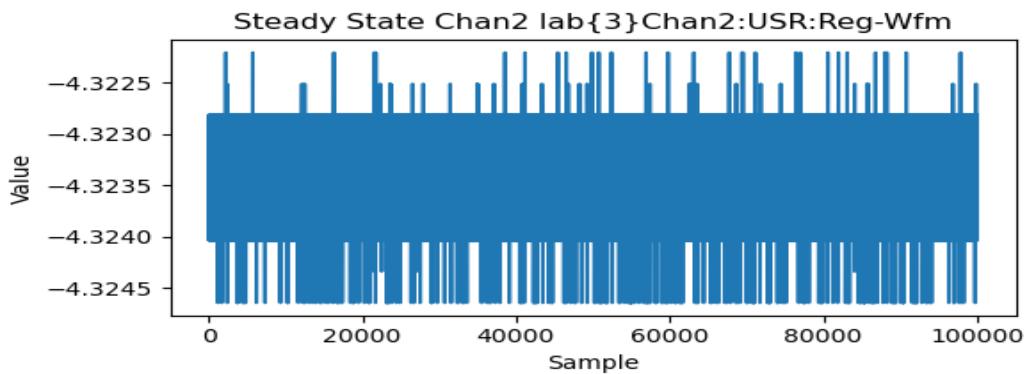
Steady State Chan2 PV: lab{3}Chan2:USR:Gnd-Wfm



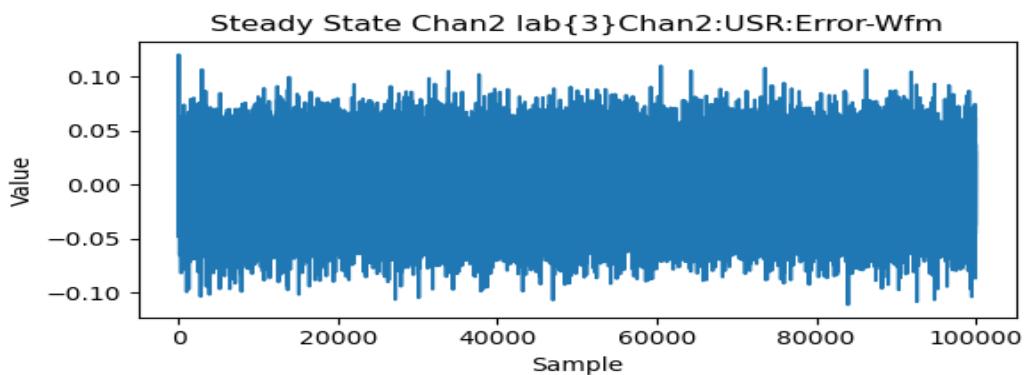
Steady State Chan2 PV: lab{3}Chan2:USR:Spare-Wfm



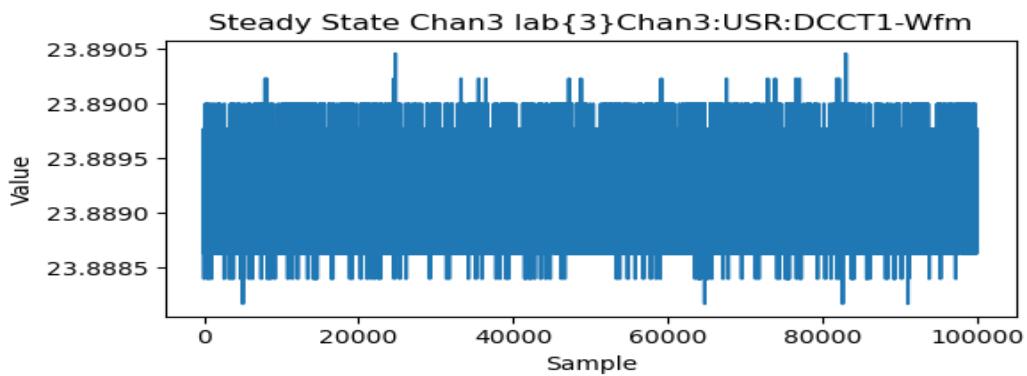
Steady State Chan2 PV: lab{3}Chan2:USR:Reg-Wfm



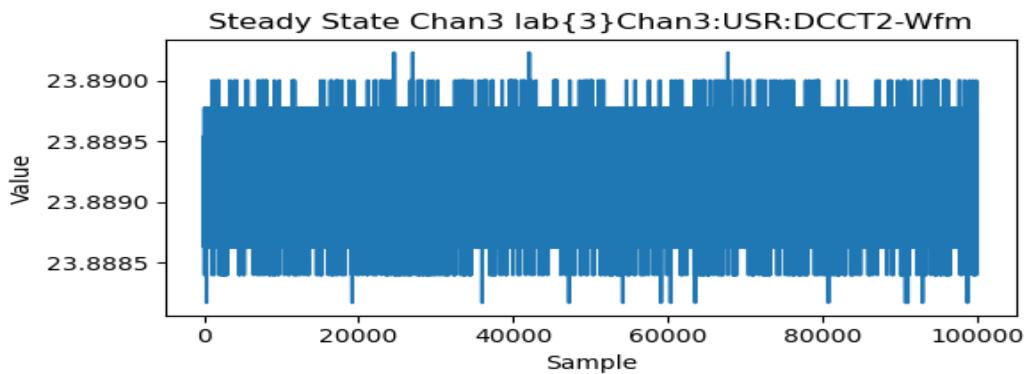
Steady State Chan2 PV: lab{3}Chan2:USR:Error-Wfm



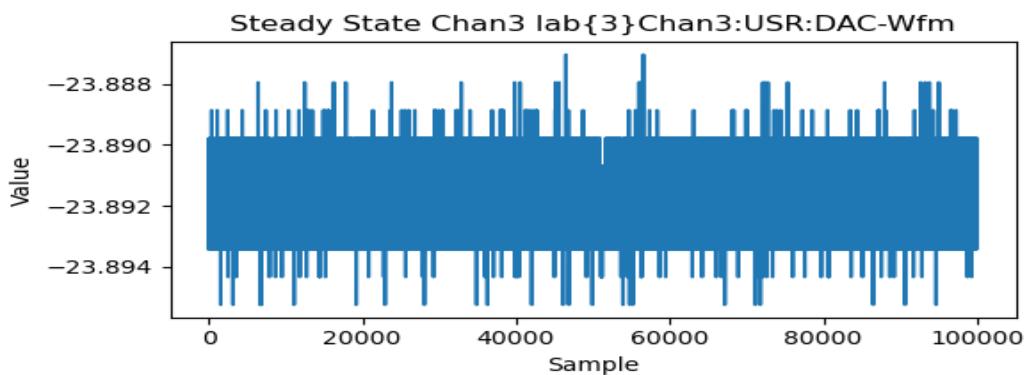
Steady State Chan3 PV: lab{3}Chan3:USR:DCCT1-Wfm



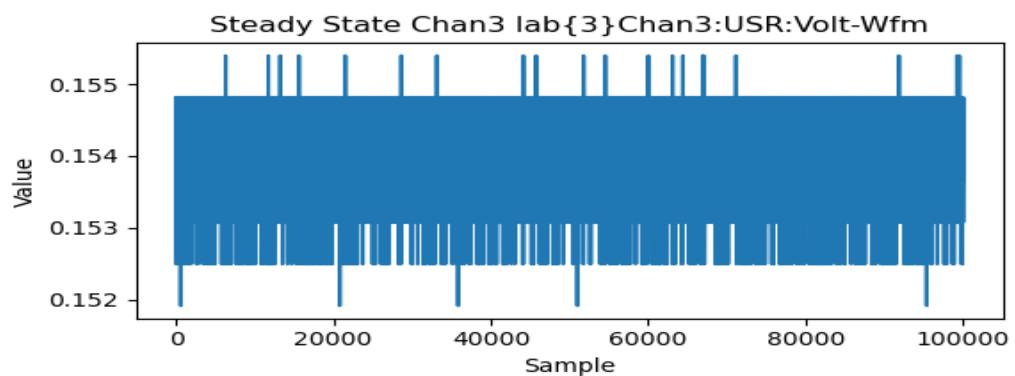
Steady State Chan3 PV: lab{3}Chan3:USR:DCCT2-Wfm



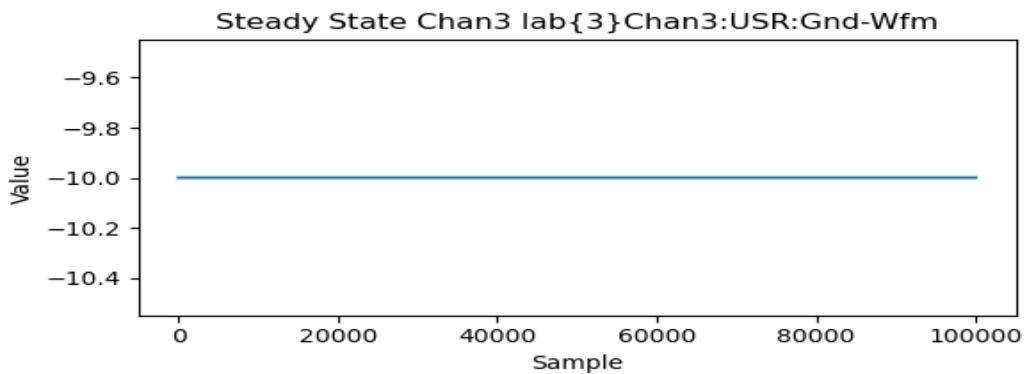
Steady State Chan3 PV: lab{3}Chan3:USR:DAC-Wfm



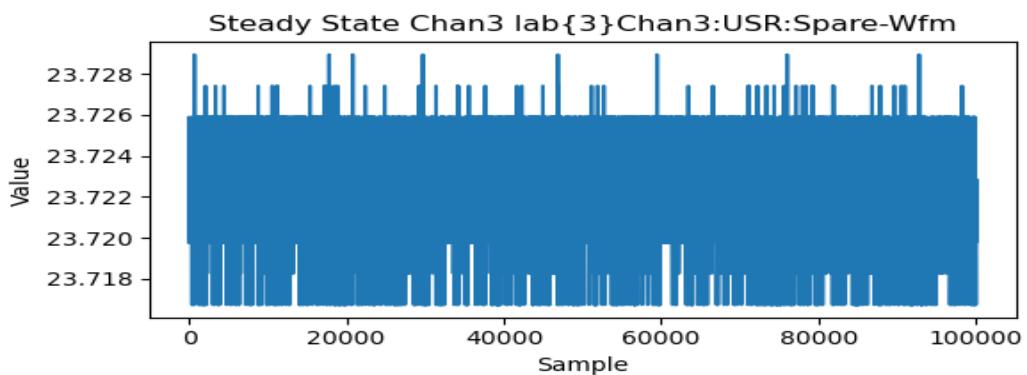
Steady State Chan3 PV: lab{3}Chan3:USR:Volt-Wfm



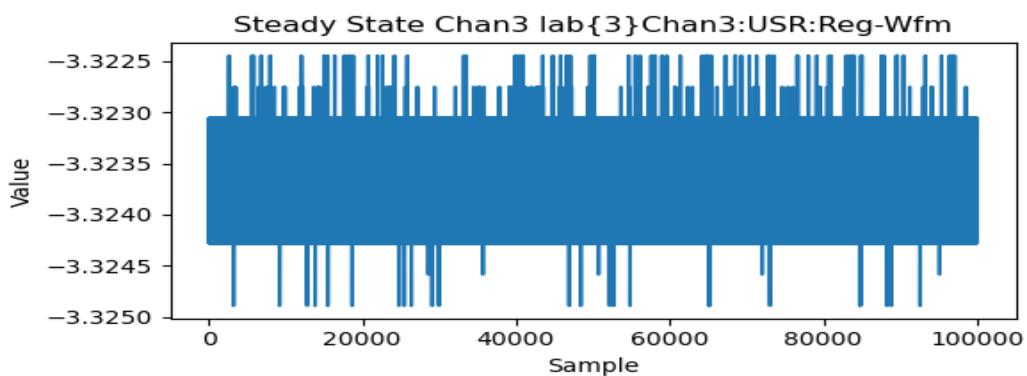
Steady State Chan3 PV: lab{3}Chan3:USR:Gnd-Wfm



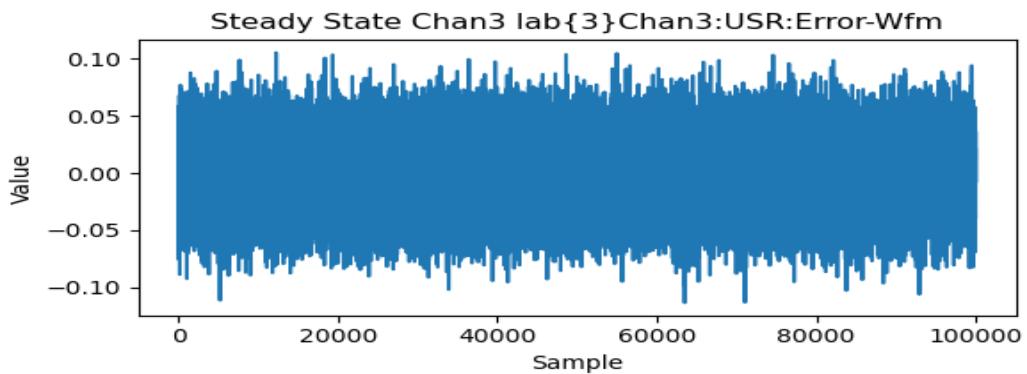
Steady State Chan3 PV: lab{3}Chan3:USR:Spare-Wfm



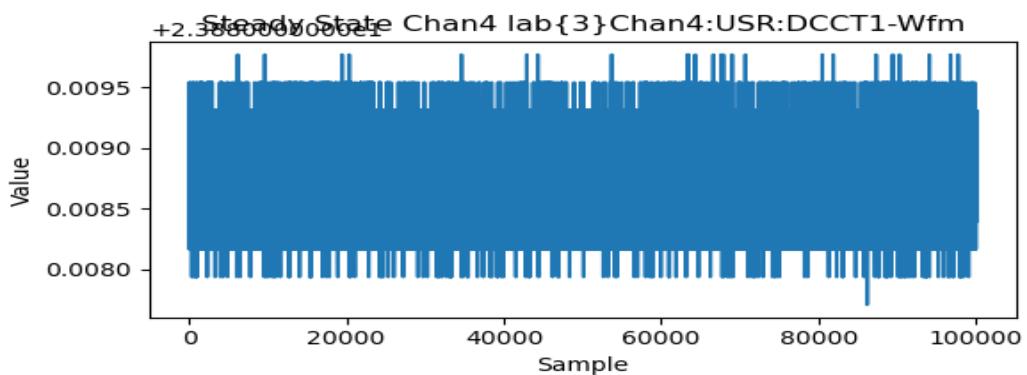
Steady State Chan3 PV: lab{3}Chan3:USR:Reg-Wfm



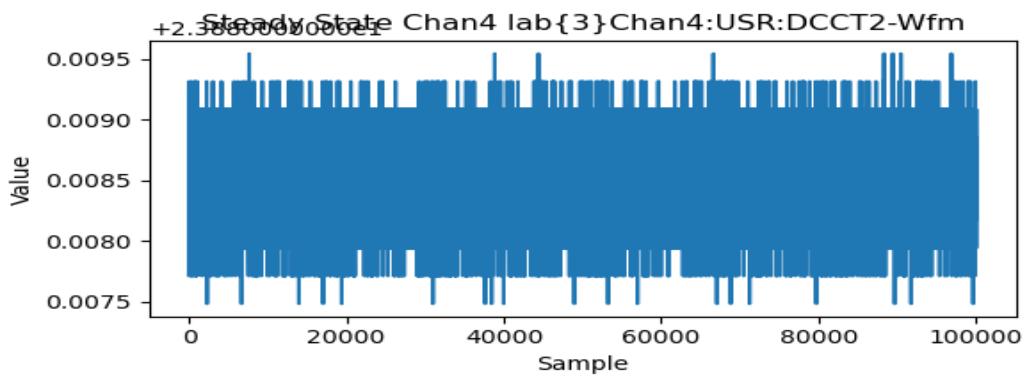
Steady State Chan3 PV: lab{3}Chan3:USR>Error-Wfm



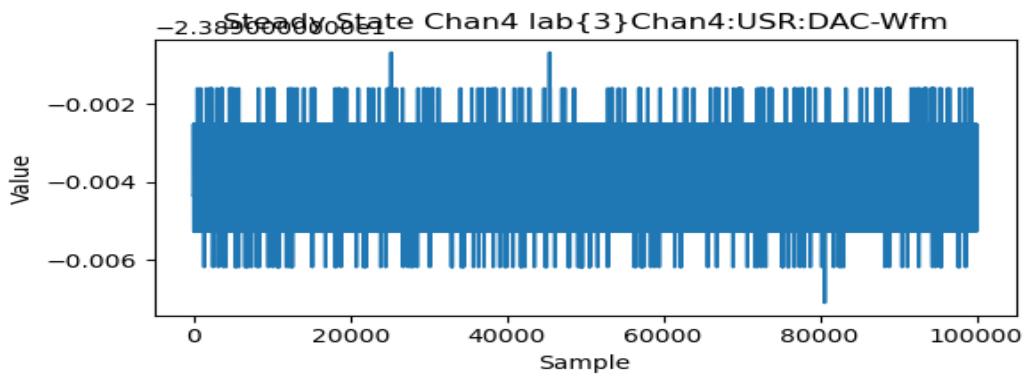
Steady State Chan4 PV: lab{3}Chan4:USR:DCCT1-Wfm



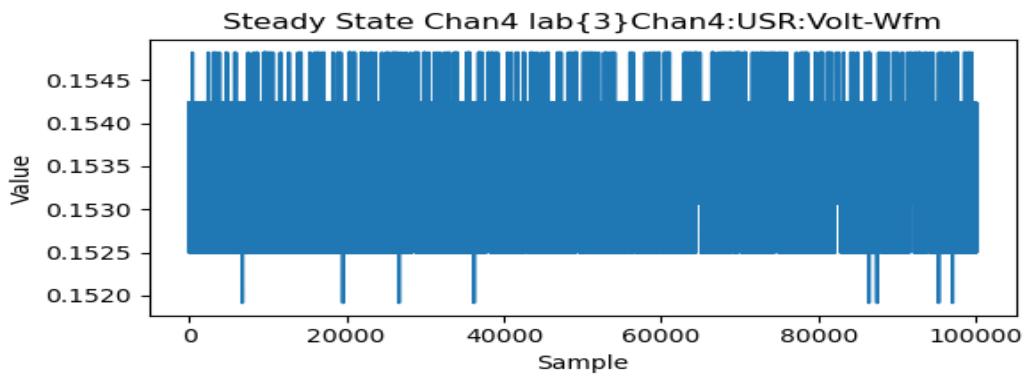
Steady State Chan4 PV: lab{3}Chan4:USR:DCCT2-Wfm



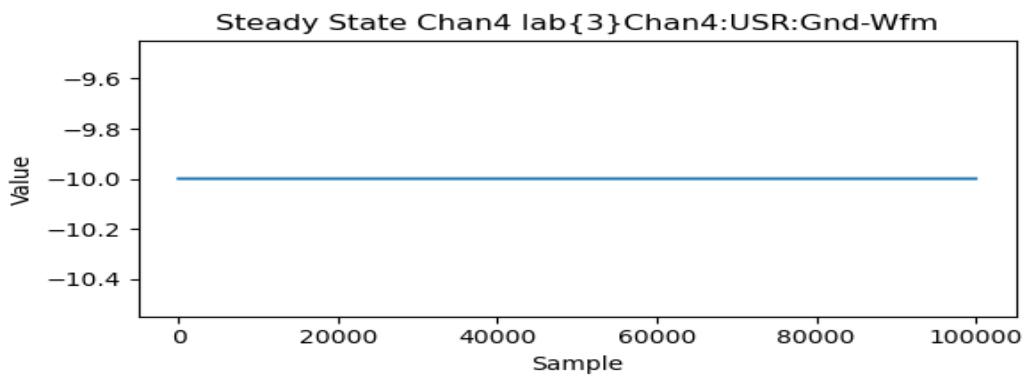
Steady State Chan4 PV: lab{3}Chan4:USR:DAC-Wfm



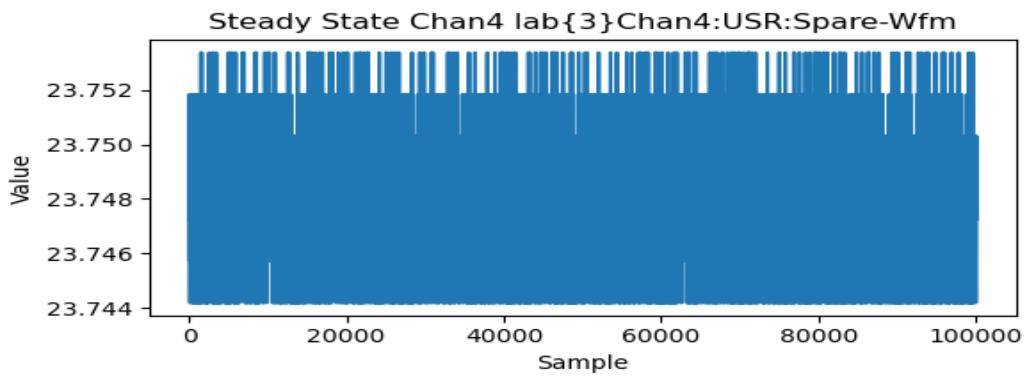
Steady State Chan4 PV: lab{3}Chan4:USR:Volt-Wfm



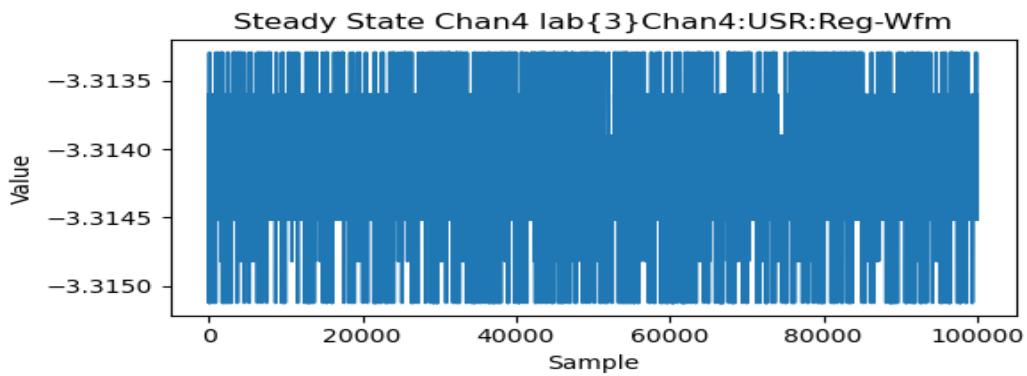
Steady State Chan4 PV: lab{3}Chan4:USR:Gnd-Wfm



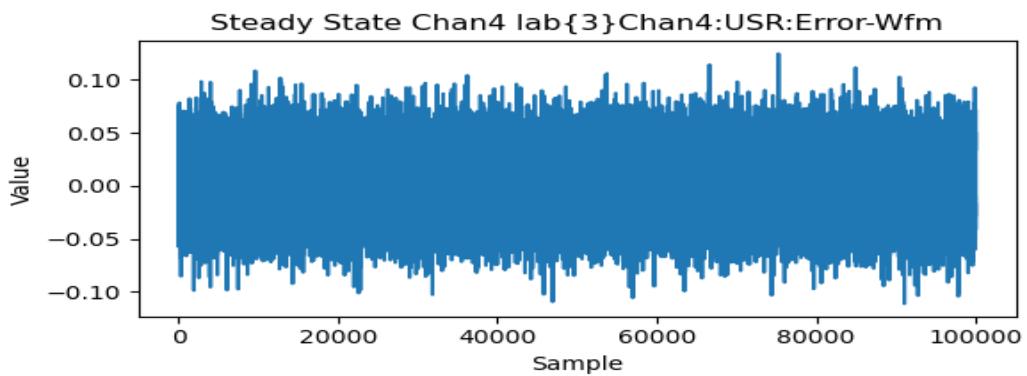
Steady State Chan4 PV: lab{3}Chan4:USR:Spare-Wfm



Steady State Chan4 PV: lab{3}Chan4:USR:Reg-Wfm

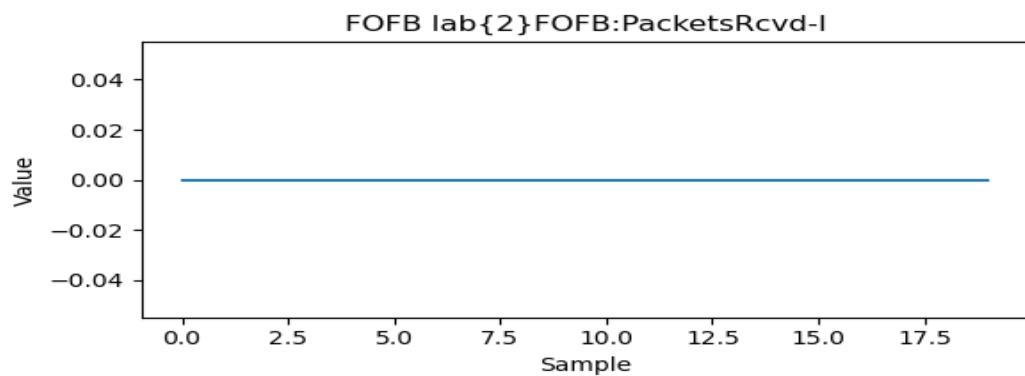


Steady State Chan4 PV: lab{3}Chan4:USR:Error-Wfm



## Section 2: FOFB Packet test

FOFB PV: lab{2}FOFB:PacketsRcvd-I monotonic test -> **PASS**



**FOFB test: SKIPPED (Bandwidth-Mode != Fast)**