

TI USS Design Center Software Parameter configurations:

S.No.	Parameter Description	Values
1	Transmit Frequency (kHz)	950
2	Gap between pulse start and ADC capture (uS)	100
3	GUI Based Gain Control (db)	-4.6dB
4	Number of Pulses	16
5	UPS and DNS gap (uS)	3,000
6	UPS0 to UPS1 Gap (uS)	1000
7	Meter Constant	19296724
8	Signal Sampling Frequency (kHz)	7000
9	Delta ToF Offset (ps)	83
10	Capture Duration (uS)	40
11	Interpolation Correction Table Size	1024
12	ULP Bias Delay	3
13	Start PPG Count (nS)	10000
14	Turn on ADC Count (nS)	5000
15	Start PGA and IN Bias Count (nS)	0
16	USS XTAL Settling Count (uS)	120
17	Envelope Crossing Threshold	35
18	Search Range	3

PicoScope Waveform Capture: (observed Peak-to-Peak Amplitude – 793.9mV)

