Deep Sea Parametric Array AT commands

1. Turn on/off DAC/ADC Clock
   1. ATCODACLK=1 Turn ON
   2. ATCODACLK=0 Turn OFF
2. Turn on/off DAC Clock
   1. ATDACLK=1 Turn ON
   2. ATDACLK=0 Turn OFF
3. Turn on/off ADC Clock
   1. ATADCLK=1 Turn ON
   2. ATADCLK=0 Turn OFF
4. Signal PIN
   1. ATPING PING only
   2. ATPING=”d0000001.bin” PING and save RX data to SD using name “d0000001.bin”. File name comply with FAT 8.3 format
5. Turn on/off Time Gain Control (TGC)
   1. ATTGC=1 Turn on TGC
   2. ATTGC=0 Turn off TGC
6. Set Pulse Interval
   1. ATPUSINT=N Set pulse interval = N (ms)
7. Set Initial Gain (in volts)
   1. ATIGAIN=k Set Initial Gain = k (volts) (in general 0.2 < k < 1.8)
8. Set End Gain (in volts)
   1. ATEGAIN=p Set End Gain = p (volts) (in general k < p < 1.8)
9. List files in SD Card
   1. ATSDLS
10. Generate CW Pulse
    1. ATGCW=150,20,1 Generate 150kHz CW pulse, 20 cycles, Gain=1
11. Generate LFM Pulse
    1. ATGLFM=f0,f1,gain,Tsig Generate LFM with start frequency f0 kHz, end frequency f1 kHz, Signal Gain = gain, Signal Duration = Tsig (ms)
12. Generate LFM2 Pulse
    1. ATGLFM2=fc,f0,f1,gain,Tsig
13. System Reset
    1. ATRESET