CONSOLE COMMANDS FOR ADS1220EVM

'a' = credits

‘b’= buffer on or off (Integers 0-1 and corresponds to bit 0 of REG0)

'c' = system clock mode (Integers 0-3 and corresponds to bits 4:3 of REG1)

'd' = get one data byte (word)

'e' = voltage reference options (Integers 0-3 and corresponds to bits 7:6 of REG2)

'f' = digital filter selection (Integers 0-3 and corresponds to bits 5:4 of REG2.

'g' = low side power switch with 0 always open and 1 follows conversions (corresponds to bit 3 of REG2.)

‘h’ = DRDY mode with 0 using DRDY dedicated pin and 1 to mirror the pulse on DOUT (corresponds to bit 1 of REG3.)

'i' = current delivered by current source (Integers 0-7 and corresponds to bits 2:0 of REG2)

'j' = new conversion ready and available and is a read only bit. 0 represents new data available, and 1 indicates data has already been read out. Corresponds to bit 0 of REG3.

'm' = MUX change for measurements (4-bit hex character values using integers 0-9 and alphabetic characters A-F and corresponds to bits 7:4 of REG0)

'n' = burn out current source (Integers 0-1 and corresponds to bit 0 of REG1)

‘p’= pga (Integers 0-7 and corresponds to bits 3:1 of REG0)

‘pn’ = single shot power down mode with 1 for continuous and 0 for single shot and corresponds to bit 2 of REG1.

'q' = query parameters and display (see below for format)

'r' = datarate (Use integers 0-7 that corresponds to bits 7:5 of REG1 register)

's' = stream data

't' = temperature sensor mode with 0 disables and 1 enables, and corresponds to bit 1 of REG1.

'v' = version

'x' = IDAC1 output (Integers 0-7, and corresponds to bits 7:5 of REG3)

'y' = IDAC2 output (Integers 0-7, and corresponds to bits 4:2 of REG3)

‘z’= Register dump starting with REG0 ending with REG3

‘q’ returns the following format using ‘|’ for delimiter and ends with CRLF:

P0|R0|M0|B0|C0|E0|F0|G0|H0|I0|J0|N0|T0|X0|Y0|PN1