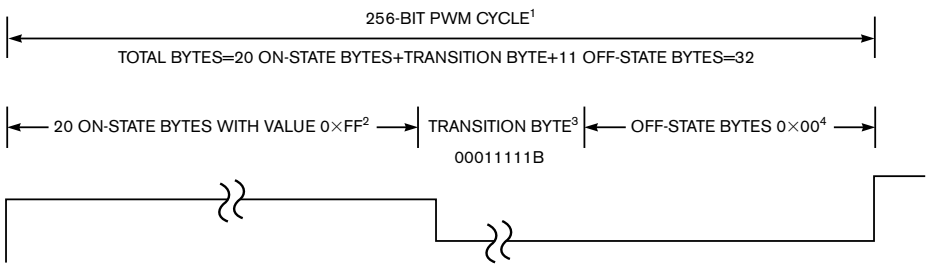


[1]RAW DATA=165; ON-STATE=5V; OFF-STATE=0V.
[2]NUMBER OF ON-STATE BYTES=165/8=20 (INTEGER DIVISION).
REMAINDER=165 – (8×20)=165 – 160=5.
[3]TRANSITION BYTE=00011111B=0×1F (NOTICE FIVE ONES FROM LSB SIDE).
[4]NUMBER OF OFF-STATE BYTES=TOTAL 32 BYTES – ONE TRANSITION BYTE – 20 ON-STATE BYTES=32 – 1 – 20=11 BYTES.
ANALOG OUTPUT AFTER LOWPASS FILTER=(165/256)×5=3.22V.

Figure 2 You can generate raw data with a decimal value of 165 using this concept.