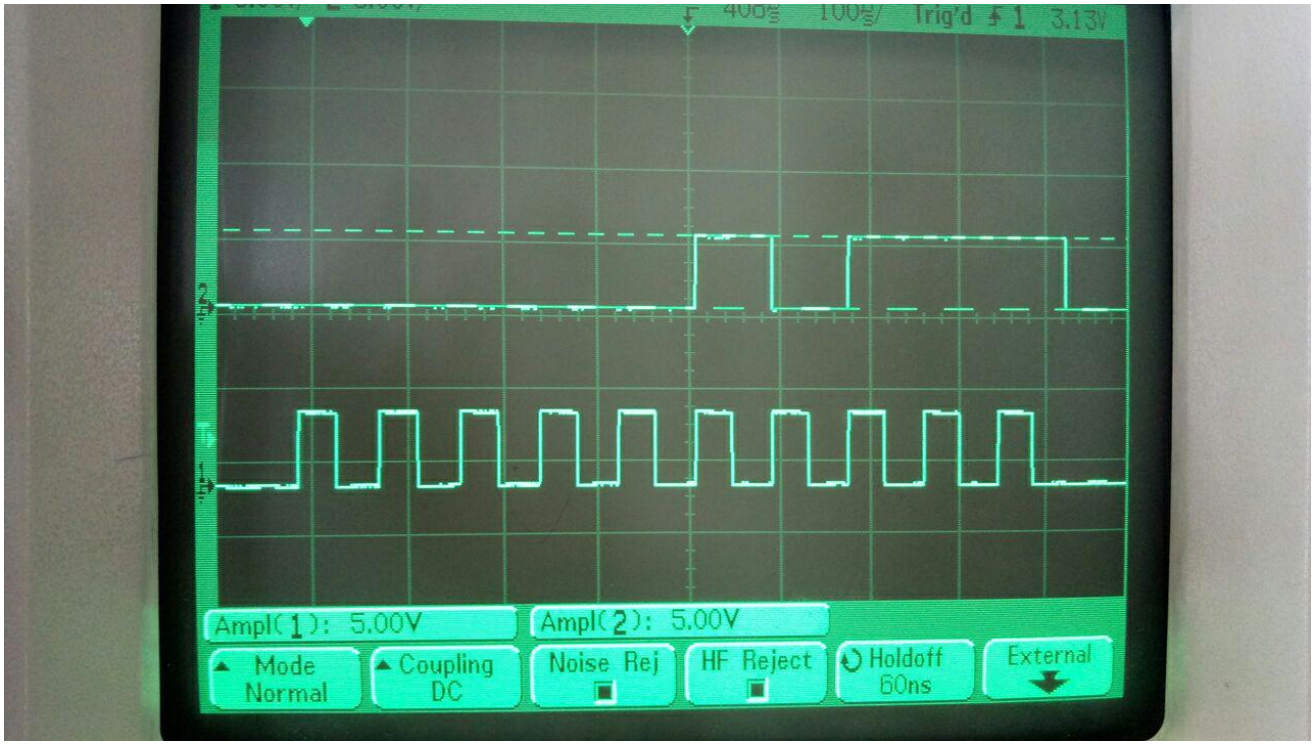
PRÁCTICA 6. CONVERSOR ANALÓGICO DIGITAL

Palabra 1

Va = 0.1083V

$$Num(Va) = Min[E((Va + LSB/2)/LSB), 1023] = 22.49 = 22$$

Palabra en binario= 00 0001 0111 = 23

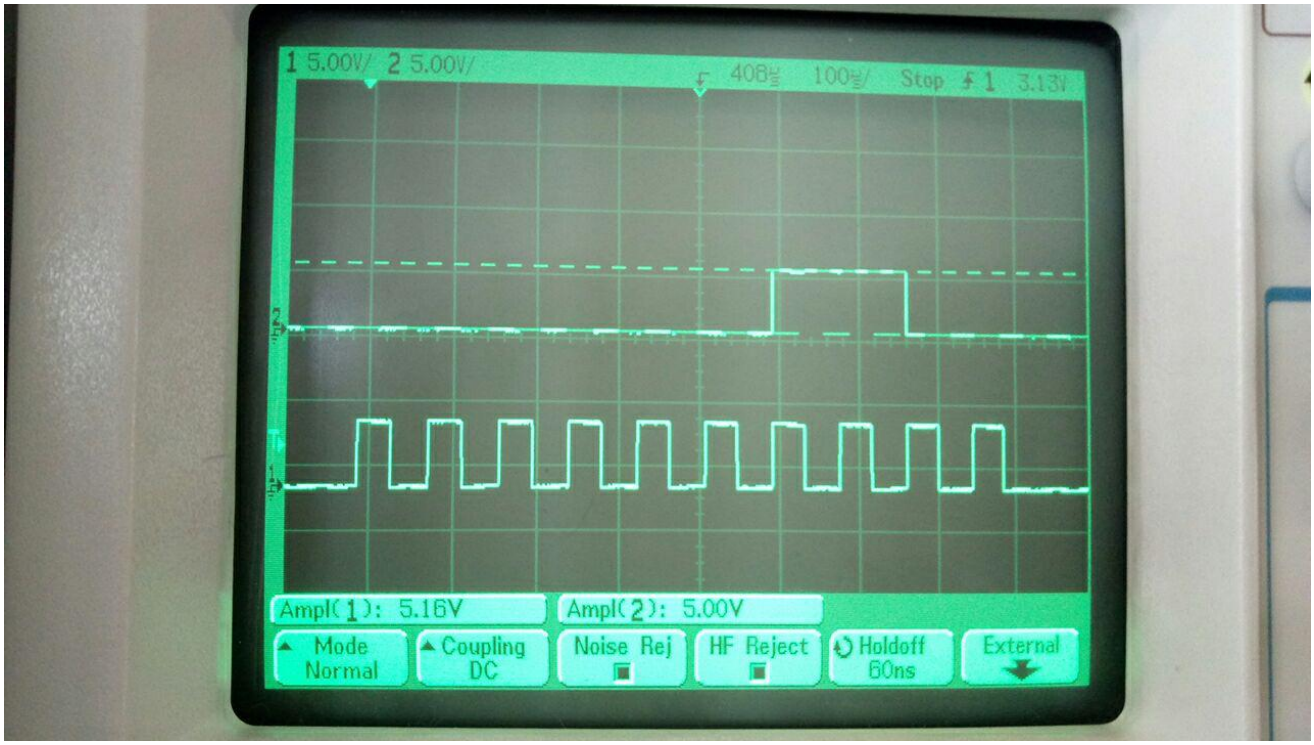


Palabra 2

Va = 0.0546V

$$Num(Va) = Min[E((Va + LSB/2)/LSB), 1023] = 11$$

Palabra en binario= 00 0000 1100 = 12

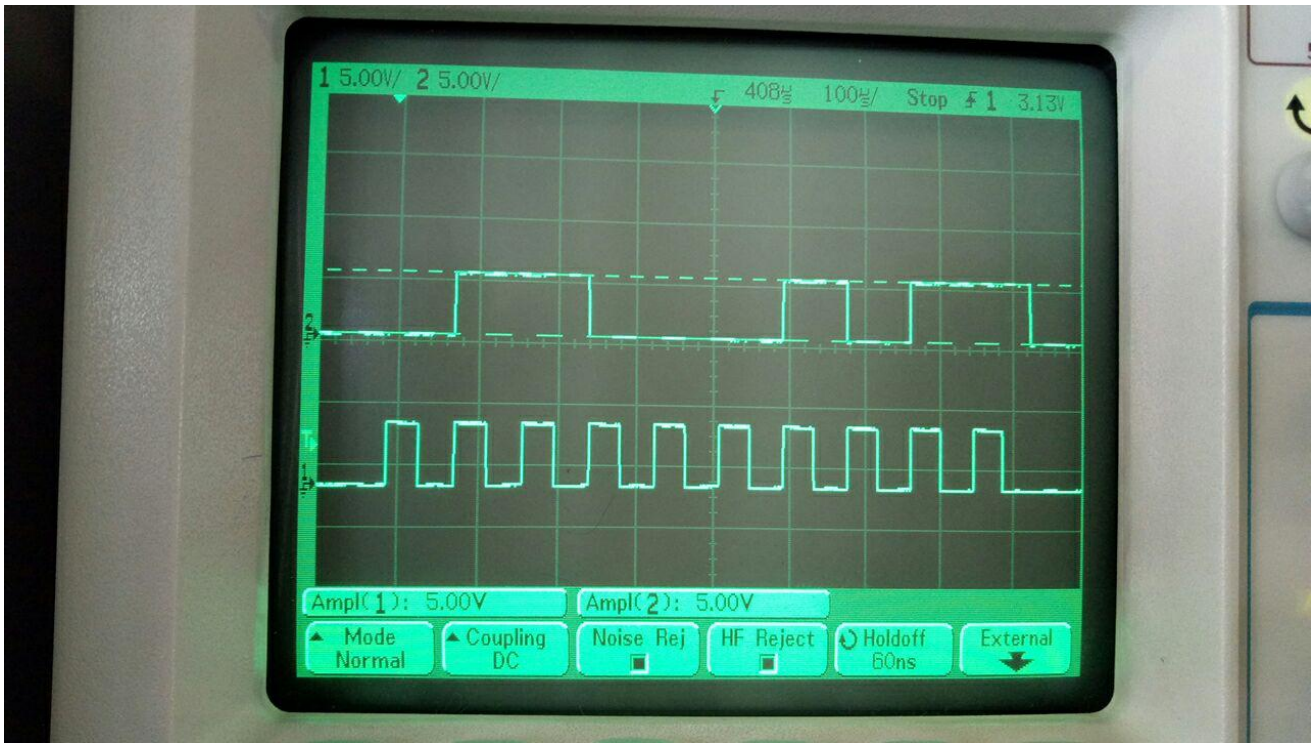


Palabra 3

Va = 1.9413V

$$Num(Va) = Min[E((Va + LSB/2)/LSB), 1023] = 395$$

Palabra en binario= 01 1000 1011 = 395



Palabra 4

Va = 1.8964V

$$Num(Va) = Min[E((Va + LSB/2)/LSB), 1023] = 385$$

Palabra en binario= 01 1000 0010 = 386