symbol n = b1 'define the counter symbol

main: pause 500 'stabilize power supply 1/2 sec
low 1 'initialize
low 2 'initialize
low 4 'initialize
pause 500 'stabilize 1/2 sec
high 1 'raise tuner program enable
pause 10 'enable stabilize

loop1: for n = 1 to 27 'program tuner with 27 bits
high 2 'raise clock
pause 10
'choose the high bits
if n = 6 then dataah
if n = 7 then dataah
if n = 8 then dataah
if n = 12 then dataah
if n = 14 then dataah
if n = 15 then dataah
if n = 16 then dataah
if n = 20 then dataah
if n = 24 then dataah
if n = 26 then dataah

gosub datal 'all other bits set low

index: next n 'index n and loop again

low 4 'exit in a known state
low 2 'exit in a known state
low 1 'lower tuner program enable
pause 10 'enable low stabilize
end 'end the program

datah: high 4 'sub to transmit high bit
pause 10
low 2
pause 10
goto index

datal: low 4 'sub to transmit low bit
pause 10
low 2
pause 10
goto index

'pin 1 is enable, pin 2 is clock, pin 4 is data

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408 MHz

Video IF = 408 + 45.75 = 453.75 MHz
Tune = 453.75 MHz

Steps = \frac{453.75 MHz}{31.25 kHz} = 14,520 steps

14,520 = 11100010111000

Decimal     Binary

Add leading 0 for 15 bits

0111000101111000

High Bits are

5 = 6
5 = 7
5 = 8
5 = 12
5 = 14
5 = 15
5 = 16