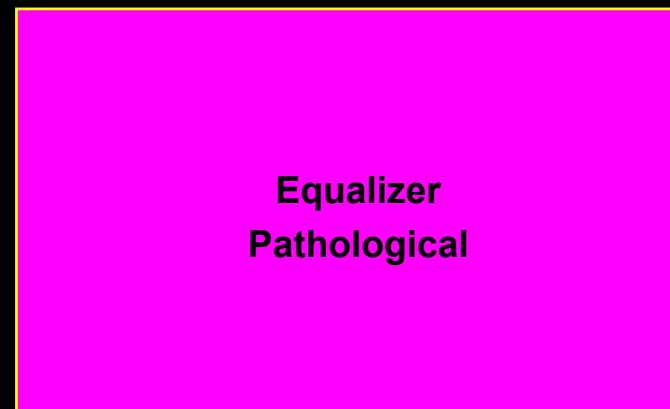
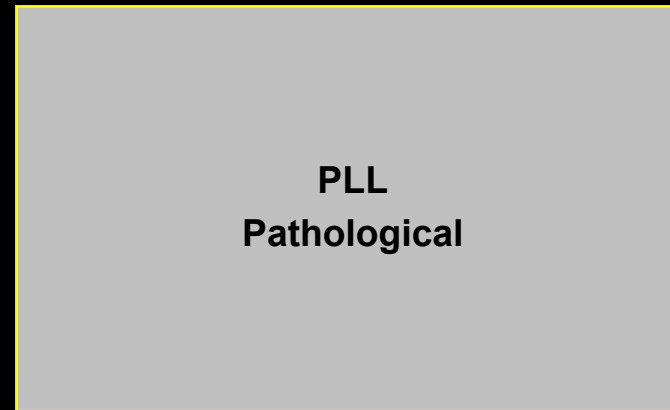
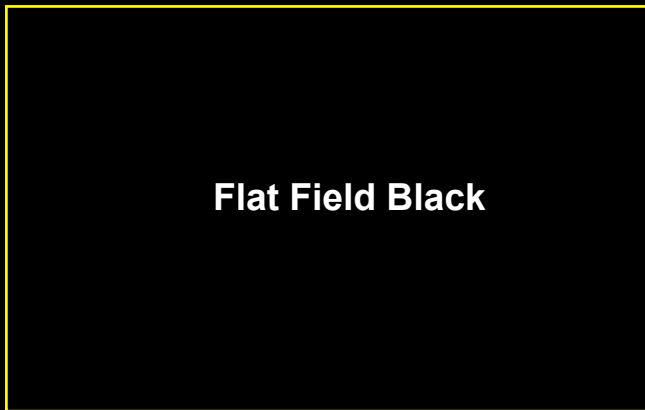


# Quick Understanding of H-D Digital Test Patterns



# H-D 75 % Color Bars

Color bars is the most widely used test pattern. Color bars is termed a non-stressing test pattern; it is used for testing jitter and cable transmission distance.

These bars differ from other digital test bars; they have transition codes between the bars that can be added or removed. This will help with some D to A converters that don't like sharp transition between the bars.



# H-D PLL Stress Test

The pattern is:

Alternating sequence of 20 bits of 1 and 0.

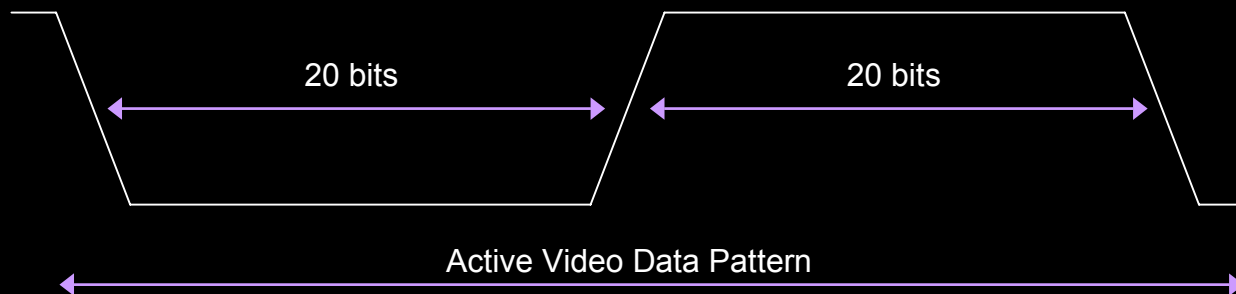
The pattern:

Lasts for the active video line period.

Reduces the data transition rate to a minimum.

Test the ability of the receiver PLL to remain locked for the line period. (video line)

PLL  
Pathological





# H-D Flat Field Black

Here are some things black can be used for.

Set a video monitor brightness level. Monitors tend to have their contrast and other levels turned up. This is a good starting point. Black should show black on a monitor!!

Black is the foundation on which most test patterns are constructed.



Flat Field Black