

TENTATIVE TYPE 555 CRT SPECIFICATIONS

EDGE FOCUS

With 100 marks in 10 CM, there must be no overlapping in the center 8.8 CM when the trace is on the center line of each gun.

When the trace is at the top or bottom graticule line of each gun, there must be no overlapping in the center 8 CM.

CROSSTALK

Crosstalk must be less than 1 mm amplitude. (.040)

VERTICAL ALIGNMENT

The maximum angle between the vertical traces of the two guns when measured over the vertically overlapping center 2 centimeters is 1.5 degrees. (0.5 mm in 2 CM)

HORIZONTAL ALIGNMENT

No more than 0.6 degrees (1mm in 10 cm) of error between the two traces is allowed at the CRT center.

COMPRESSION/EXPANSION

1/2 mm or .25 of a minor division overall, i.e. 1/4 mm down and 1/4 mm up of compression, or 1/2 mm up and none down. The same thing applies to expansion. There can be 1/2 mm of compression up and 1/2 mm of expansion down. (each gun)

VERTICAL GEOMETRY

4 x 10 graticule 1 degree of tilt or bowing (2/3 mm)

HORIZONTAL GEOMETRY

4 x 10 cm graticule. Deflect the sweep from the bottom graticule line to the top graticule line of each gun. There must be no more than 2/3 mm of tilt or bowing at either extreme on either gun.

VERTICAL FOCUS

4 x 10 graticule, 1/2 mm or .25 of a minor division of signal from the CALIBRATOR. Trigger sweep and adjust for fine center focus, then free run sweep and position from the uppermost portion of each gun's graticule. There should be a darkened area between the two lines over the full graticule with average intensity.

SENSITIVITY

HORIZONTAL - 27 to 32 v/cm

VERTICAL - 6 to 7 v/cm