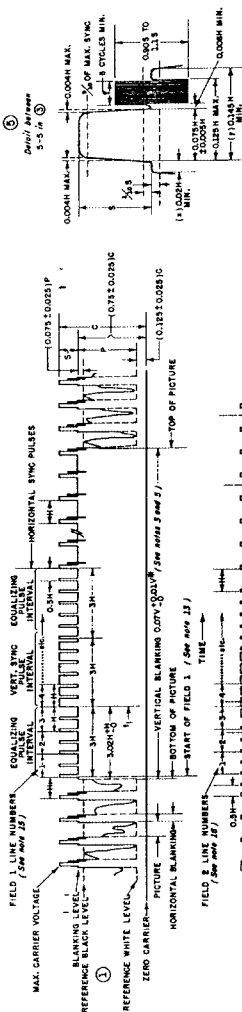


TELEVISION SYNCHRONIZING WAVEFORM
FOR COLOR TRANSMISSION



NOTES

1. H = Time from start of one line to start of next line.
2. V = Time from start of one field to start of next field.
3. Leading and trailing edges of horizontal blanking should be steep enough to penetrate minimum and maximum values of $(x + y)$ and (z) under all conditions of picture content.
4. Minimum and maximum values of $(x + y)$ and (z) under all conditions of picture content.
5. Dimensions marked with asterisk indicate that tolerances given are permitted only for long time variations and not for successive cycles.
6. Equalizing pulse duration must be between 0.45 and 0.55 of the duration of the horizontal synchronizing pulse.
7. Color burst follows each horizontal pulse, but is omitted following the equalizing pulses and during the broad vertical pulses.
8. It is recommended that color bursts be omitted during monochrome transmission.
9. The burst frequency shall be 3.579545 Mc. The tolerance on the frequency shall be ± 10 Hz with a maximum rate of change of frequency not to exceed 1/10 Hz per second.
10. The horizontal scanning frequency shall be 2/455 times the burst frequency.
11. The dimensions specified for the burst determine the times of starting and stopping the burst, but not its phase. The color burst consists of amplitude modulation of a continuous sine wave. P_p represents the peak excursion of the luminance signal from blanking level, but does not include the luminance signal. Dimension S is the sync amplitude about blanking level. Dimension C is the peak carrier amplitude.
12. Start of Field 1 is defined by a whole line between first equalizing pulse and preceding H sync pulses.
13. Start of Field 2 is defined by a half line between first equalizing pulse and preceding H sync pulses.
14. Field 1 line numbers start with first equalizing pulse in Field 1.
15. Field 2 line numbers start with second equalizing pulse in Field 2.
16. Refer to text for further explanations and tolerances.
17. During color transmissions, the chrominance component of the picture signal may penetrate the synchronizing region and the color burst penetrates the picture region.
18. Maximum horizontal and vertical blanking intervals are recommended values only.

