

## Basic NTSC Analog Composite Frequencies and Periods

Parameter	Rounded Value	10 digit value	Formula
Basic Clock Frequency	5.0 MHz	5.000000000 MHz	-
Subcarrier Frequency: $F_{SC}$	3.58 MHz	3.579545455 MHz	$F_{SC} = (5\text{MHz})\left(\frac{63}{88}\right)$
Subcarrier Period: $P_{SC}$	279 ns	279.3650794 ns	$P_{sc} = \frac{1}{F_{sc}}$
Horizontal Frequency: $F_H$	15,734 Hz	15,734.26573 Hz	$F_H = (F_{SC})\left(\frac{2}{455}\right)$
Horizontal Period: $P_H$	63.5 $\mu$ s	63.55555556 $\mu$ s	$P_H = \frac{1}{F_H}$
Frame Frequency: $F_{Frame}$	29.9 Hz	29.97002997 Hz	$F_{Frame} = \left(\frac{F_H}{525}\right)$
Frame Period: $P_{Frame}$	33.3 ms	33.36666667 ms	$P_{Frame} = \left(\frac{1}{F_{Frame}}\right)$
Field Frequency: $F_{Field}$	59.9 Hz	59.94005994 Hz	$F_{Field} = \left(\frac{F_H}{262.5}\right)$
Field Period $P_{Field}$	16.7 ms	16.68333333 ms	$P_{Field} = \left(\frac{1}{F_{Field}}\right)$
Four-Field Frequency $F_{4-Field}$	15 Hz	14.98501499 Hz	$F_{4-Field} = \left(\frac{F_{Field}}{4}\right)$
Four-Field Period $P_{4-Field}$	66.7 ms	66.73333333 ms	$P_{4-Field} = \left(\frac{1}{F_{4-Field}}\right)$