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LaserWriter Pro: Line Frequency and Gray Levels (4/94)

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TOPIC -----

What is the highest line frequency and number of gray levels that the LaserWriter Pro can support (with PhotoGrade) at 300 and 600 DPI?

DISCUSSION -----

The LaserWriter Pro supports five settings via the LaserWriter Utility 7.4 when PhotoGrade is turned on. Here are the numbers:

Far right:	Frequency: 150 lpi; Screen Angle: 0 degrees
Middle right:	Frequency: 106 lpi; Screen Angle: 45 degrees
Center:	Frequency: 83 lpi; Screen Angle: 56 degrees
Middle left:	Frequency: 75 lpi; Screen Angle: 0 degrees
Far Left:	Frequency: 53 lpi; Screen Angle: 45 degrees

Note: lpi = lines per inch.

PhotoGrade at 300 DPI supports 91 gray levels when the frequency is 53 lpi and the screen angle is 45 degrees. In the 600 DPI mode the frequency is 85 lpi and the screen angle is 45 degrees.

PhotoGrade is not available when printing at 600 DPI; however, it is possible to get 33 gray levels at 106 lpi when using PhotoGrade at 300 dpi.

Article Change History:

18 April 1994 - Clarified last statement about gray levels at 106 lpi.

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