

Chart Showing EPA's Displays Dataset and Proposed Specification Lines for the Draft 1 Version 5.0 ENERGY STAR® Displays Specification

The maximum On Mode power consumption (P) is expressed in watts and rounded up to one decimal place. In the following equations in Table 1, MP is the number of megapixels in decimal form (e.g., 1,920,000 pixels = 1.92 megapixels), and A is the viewable screen area of the product rounded to the nearest whole number, found by multiplying the viewable display width by the viewable display height.

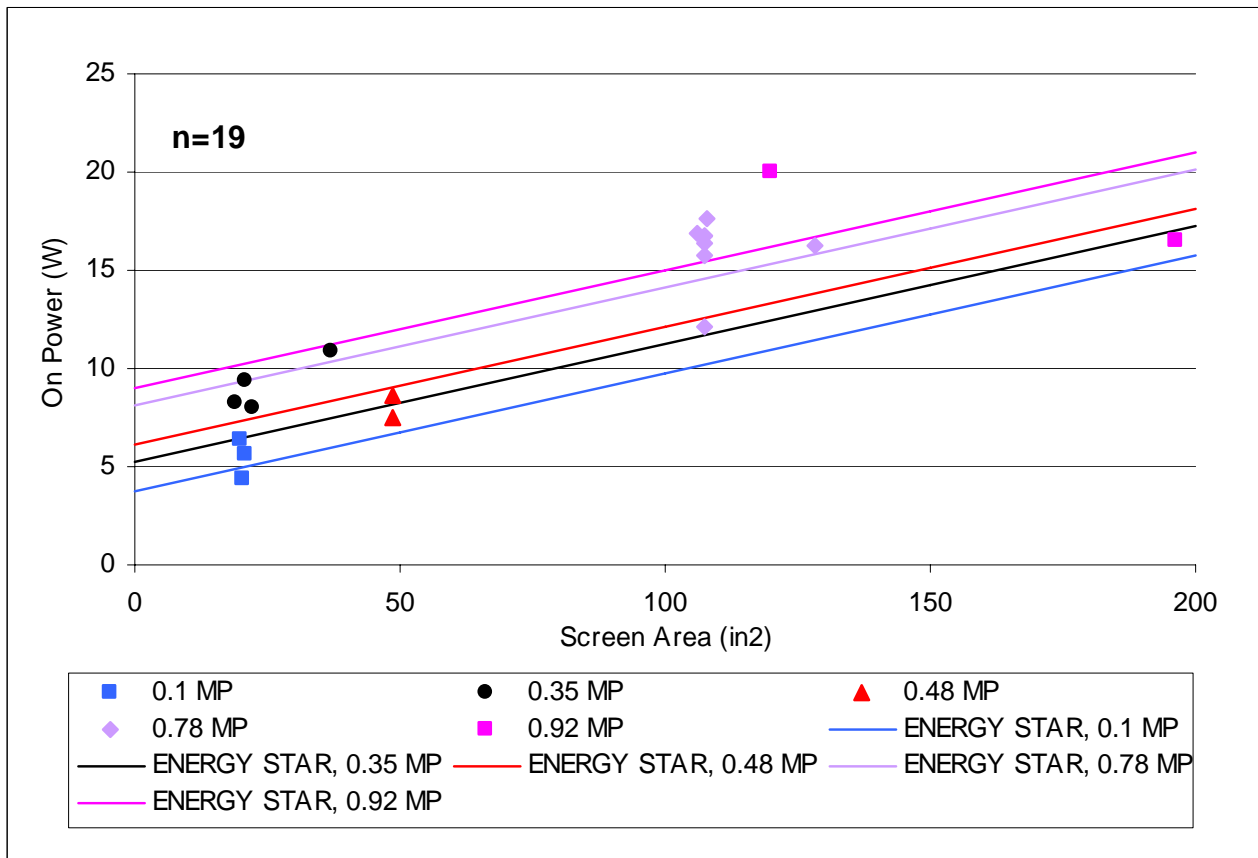
Table 1: Proposed Tier 1 On Mode Power Consumption Requirements for Displays

Display Category	Maximum On Mode Power Consumption
Less than 30" viewable diagonal screen size and less than 1 MP resolution	$P = 6.5*(MP) + 0.06*(A) + 3$
Less than 30" viewable diagonal screen size and greater than or equal to 1 MP resolution	$P = 14*(MP) + 0.15*(A) - 19$
Greater than or equal to 30" viewable diagonal screen size	$P = 14*(MP) + 0.20*(A) - 44$

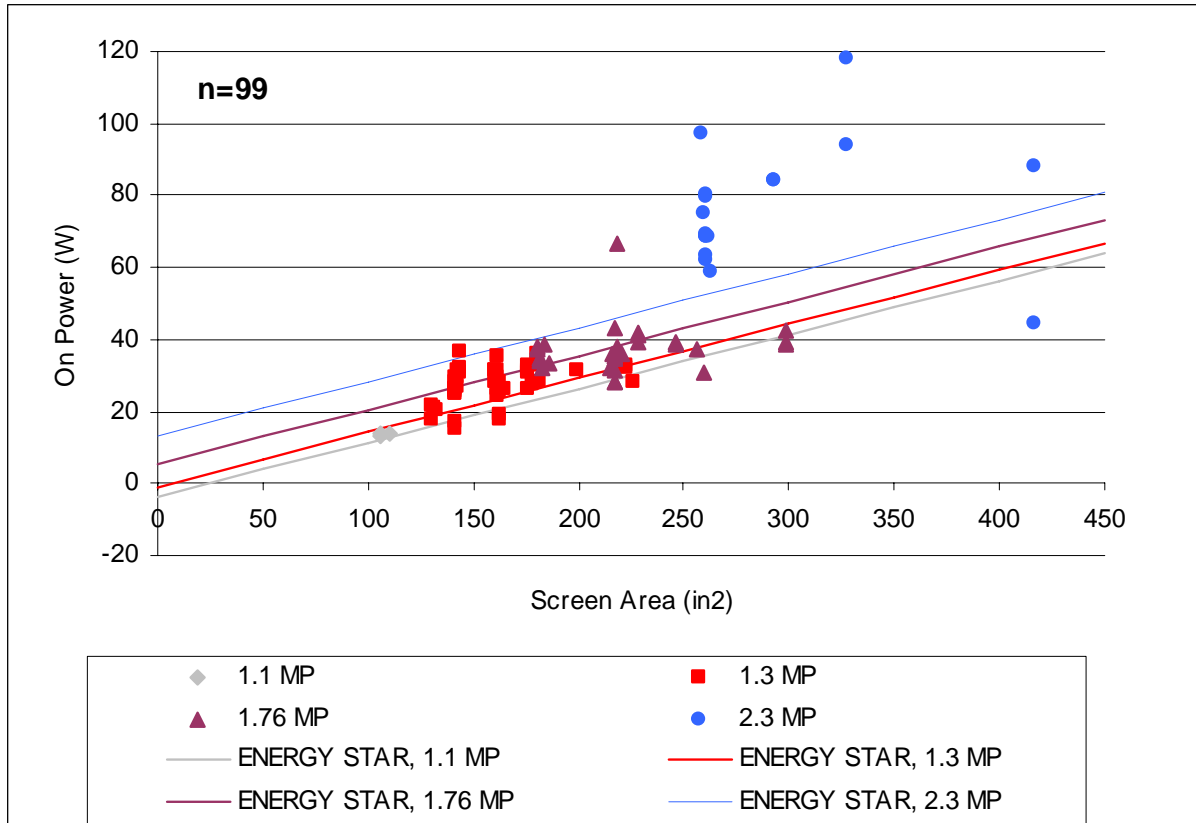
The following charts show the distribution of manufacturer-submitted test data by applicable specification categories. EPA has developed proposed ENERGY STAR specification lines based on typical resolutions occurring in the dataset. Calculating actual performance criteria for a specific model is based on that model's screen area and resolution.

Note: The below charts include only one data point per model, i.e., where manufacturers provided multiple data points for the same model, EPA has only included measurements for the highest reported On Mode power consumption when tested at the unit's default, as-shipped luminance level. CRT models removed from analysis.

Less than 30" Viewable Diagonal Screen Size, Less than 1 MP Resolution



Less than 30" Viewable Diagonal Screen Size, Greater than or Equal to 1 MP Resolution



Greater than or Equal to 30" Viewable Diagonal Screen Size

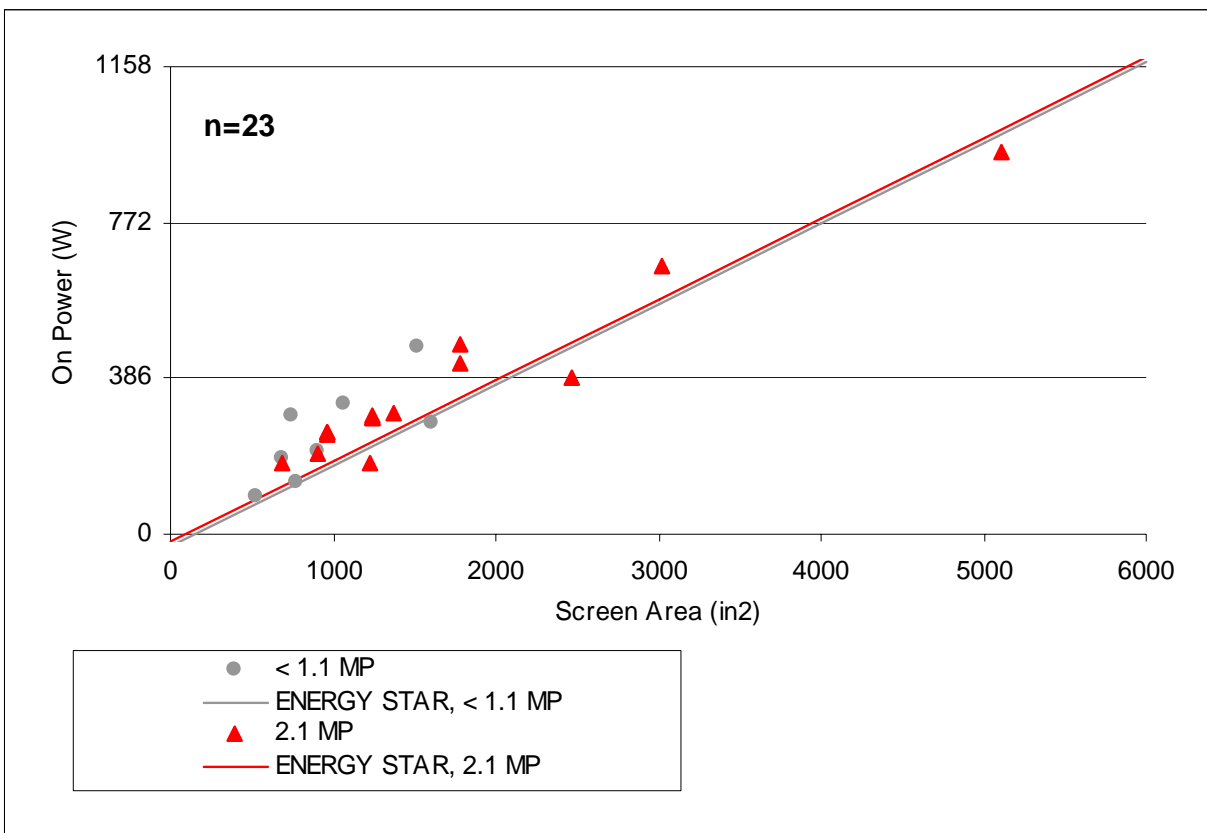


Table 2: Qualifying Rates by Product Category and Screen Size

Product	Count (n)	Pass On Mode (n)	% Pass On Mode	Pass All Modes (n)	% Pass All Modes
Digital Photo Frames	9	3	33%	2	22%
Standard Monitors	109	32	29%	32	29%
Professional Displays	23	4	17%	3	13%
All	141	39	28%	37	26%

Note: CRT models removed from analysis.