Accessible Emission limits – Class 1 and Class 1M

Wavelength (nm)	Emission Duration (s)	Accessible Emission Limit	
≥180 to 302.5	$\geq 10^{-13}$ to 10^{-9} $>10^{-9}$ to 3×10^{4}	3×10^{6} W/cm^2 3×10^{-3} J/cm^2	
>302.5 to 315	$\geq 10^{-13}$ to 10^{-9} $>10^{-9}$ to 10 for $t \leq T_1$ $>10^{-9}$ to 10 for $t > T_1$ >10 to 3×10^{4}	2.4×10^{4} W 7.9×10^{-7} C_1 J 7.9×10^{-7} C_2 J 7.9×10^{-7} C_2 J	
>315 to 400	$\geq 10^{-13}$ to 10^{-9} $>10^{-9}$ to 10 >10 to 10^{3} $>10^{3}$ to 3×10^{4}	2.4×10^{4} W 7.9×10^{-7} C_1 J 7.9×10^{-3} J 7.9×10^{-6} W	
>400 to 600	$\geq 10^{-13}$ to 10^{-11} $>10^{-11}$ to 10^{-9} $>10^{-9}$ to 1.8×10^{-5} $>1.8 \times 10^{-5}$ to 10	5.8×10^{-9} C_6 J $t^{0.75}$ C_6 J 2×10^{-7} C_6 J 7×10^{-4} C_6 $t^{0.75}$ J	
>400 to 600	>10 to 10^{2} $>10^{2}$ to 10^{4} $>10^{4}$ to 3×10^{4}	3.9×10^{-3} C_3 J 3.9×10^{-5} C_3 W 3.9×10^{-5} C_3 W	with γ_p= 11 mrad with γ_p = 1.1 $t^{0.5}$ mrad with γ_p = 110 mrad
	OR*	OR*	
	>10 to 3×10^{4}	7×10^{-4} $t^{0.75}$ C_6 J 3.9×10^{-4} W 7×10^{-4} C_6 $T_2^{-0.25}$ W	for $t \leq T_2$ for $\alpha \leq 1.5$ mrad and $t > T_2$ for $\alpha > 1.5$ mrad and $t > T_2$
> 600 to 700	$\geq 10^{-13}$ to 10^{-11} $>10^{-11}$ to 10^{-9} $>10^{-9}$ to 1.8×10^{-5} $>1.8 \times 10^{-5}$ to 10	5.8×10^{-9} C_6 J 1.0 $t^{0.75}$ C_6 J 2×10^{-7} C_6 J 7×10^{-4} C_6 $t^{0.75}$ J	
> 600 to 700	>10 to 3×10^{4}	7×10^{-4} $t^{0.75}$ C_6 J 3.9×10^{-4} W 7×10^{-4} C_6 $T_2^{-0.25}$ W	for $t \leq T_2$ for $\alpha \leq 1.5$ mrad and $t > T_2$ for $\alpha > 1.5$ mrad and $t > T_2$
>700 to 1,050	$\geq 10^{-13}$ to 10^{-11} $>10^{-11}$ to 10^{-9} $>10^{-9}$ to 1.8×10^{-5} $>1.8 \times 10^{-5}$ to 10	5.8×10^{-9} C_4 C_6 J $t^{0.75}$ C_4 C_6 J 2×10^{-7} C_4 C_6 J 7×10^{-4} $t^{0.75}$ C_4 C_6 J	
>700 to 1,050	>10 to 3×10^{4}	7×10^{-4} $t^{0.75}$ C_4 C_6 C_7 J 3.9×10^{-4} C_4 C_7 W 7×10^{-4} $C_4C_6C_7$ $T_2^{-0.25}$W	for $t \leq T_2$ for $\alpha \leq 1.5$ mrad and $t > T_2$ for $\alpha > 1.5$ mrad and $t > T_2$
>1,050 to 1,400	$\geq 10^{-13}$ to 10^{-11} $>10^{-11}$ to 10^{-9} $>10^{-9}$ to 5×10^{-5} $>5 \times 10^{-5}$ to 10	5.8×10^{-8} C_6 C_7 J 10.4 $t^{0.75}$ C_6 C_7 J 2×10^{-6} C_6 C_7 J 3.5×10^{-3} $t^{0.75}$ C_6 C_7 J	
>1,050 to 1,400	>10 to 3×10^{4}	7×10^{-4} $t^{0.75}$ C_4 C_6 C_7 J 3.9×10^{-4} C_4 C_7 W 7×10^{-4} $C_4C_6C_7$ $T_2^{-0.25}$W	for $t \leq T_2$ for $\alpha \leq 1.5$ mrad and $t > T_2$ for $\alpha > 1.5$ mrad and $t > T_2$
>1,400 to 1,500	$\geq 10^{-13}$ to 10^{-9} $>10^{-9}$ to 10^{3} $>10^{3}$ to 0.35 >0.35 to 10 >10 to 3×10^{4}	8×10^{5} W 8×10^{-4} J 4.4×10^{-3} $t^{0.25}$ J 10^{-2} t J 10^{-2} W	
>1,500 to 1,800	$\geq 10^{-13}$ to 10^{-9} $>10^{-9}$ to 0.35 >0.35 to 10 >10 to 3×10^{4}	8×10^{6}W 8×10^{-3}J 1.8×10^{-2} $t^{0.75}$ J 10^{-2} W	

Accessible Emission limits – Class 1 and Class 1M (cont.)

Wavelength (nm)	Emission Duration (s)	Accessible Emission Limit
>1,800 to 2,600	$\geq 10^{-13}$ to 10^{-9} $>10^{-9}$ to 10^{-3} $>10^{-3}$ to 0.35 >0.35 to 10 >10 to 3 X 10^{4}	8 X 10^{5} W 8 X 10^{-4} J 4.4 X 10^{-3} $t^{0.25}$ J 10^{-2} t J 10^{-2} W
>2,600 to 4,000	$\geq 10^{-13}$ to 10^{-9} $>10^{-9}$ to 10^{-7} $>10^{-7}$ to 0.35 >0.35 to 10 >10 to 3 X 10^{4}	8 X 10^{4} W 8 X 10^{-5} J 4.4 X 10^{-3} $t^{0.25}$ J 10^{-2} t J 10^{-2} W
>4,000 to 10^{6}	$\geq 10^{-13}$ to 10^{-9} $>10^{-9}$ to 10^{-7} $>10^{-7}$ to 10 >10 to 3 X 10^{4}	10^{7} W/cm^{2} 10^{-2} J/cm^{2} 5.6 X 10^{-1} $t^{0.25}$ J/cm^{2} 0.1 W/cm^{2}

* The lower value of the accessible emission limit is applicable in this wavelength range.