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# Analysis of Compliance with the Technical Specifications of Low-Cost Laser Pointers with Wavelengths between 625 and 740 nm

Low-cost laser pointers are widely available on the market; however, the characteristics of their emitted radiation may differ from the technical specifications stated by manufacturers, potentially posing risks to users. This study aims to experimentally assess compliance with these specifications and evaluate the safety of these devices. To this end, a sample of commercially available laser pointers with wavelengths between 625 and 740 nm will be examined. Parameters such as emission wavelength and optical power will be measured, and the stability of the emitted radiation over time will be evaluated. The measured values will be compared with the specifications provided by the manufacturers to identify potential discrepancies and assess possible risks to eye safety. The results will provide a characterization of the performance and safety of the devices analyzed and contribute to the development of recommendations for their safe use, particularly in educational and workplace environments.

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