

INTERNATIONAL ELECTROTECHNICAL COMMISSION  
COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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**IEC 60825-2**  
Edition 4.0 2021-03

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**SAFETY OF LASER PRODUCTS –**

**SÉCURITÉ DES APPAREILS À LASER –**

**Part 2: Safety of optical fibre communication  
systems (OFCSS)**

**Partie 2: Sécurité des systèmes de  
télécommunications par fibres optiques  
(STFO)**

**CORRIGENDUM 1**

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

**B.3 Hazard level**

*In the last paragraph, replace "IEC 60825-1:2014, Figure 1" with "IEC 60825-1:2014, Table 1".*

**Table D.1 – OFCS power limits for 11 µm mode field diameter (MFD) single-mode (SM) fibres and 0,18 numerical aperture multimode (MM) fibres (core diameter 50 µm)**

Delete the horizontal lines between mW and dBm values, and replace "See Note 1 in 4.3.9" with "See Note 1 in 4.9.3" as follows. (The Notes in Table D.1 are unchanged.)

| Wavelength and fibre type | Hazard level           |                        |                       |                       |                        |                       |
|---------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|
|                           | 1                      | 1M                     | 2                     | 2M                    | 3R                     | 3B                    |
| 633 nm (MM)               | 1,95 mW<br>(+2,9 dBm)  | 3,77 mW<br>(+5,8 dBm)  | 5,00 mW<br>(+7,0 dBm) | 9,66 mW<br>(+9,9 dBm) | 25,0 mW<br>(+14,0 dBm) | 500 mW<br>(+27,0 dBm) |
| 780 nm (MM)               | 2,82 mW<br>(+4,5 dBm)  | 5,45 mW<br>(+7,4 dBm)  | –                     | –                     | 14,5 mW<br>(+11,6 dBm) | 500 mW<br>(+27,0 dBm) |
| 850 nm (MM)               | 3,89 mW<br>(+5,9 dBm)  | 7,52 mW<br>(+8,8 dBm)  | –                     | –                     | 20,0 mW<br>(+13,0 dBm) | 500 mW<br>(+27,0 dBm) |
| 980 nm (MM)               | 7,08 mW<br>(+8,5 dBm)  | 13,7 mW<br>(+11,4 dBm) | –                     | –                     | 36,3 mW<br>(+15,6 dBm) | 500 mW<br>(+27,0 dBm) |
| 980 nm (SM)               | 1,80 mW<br>(+2,5 dBm)  | 2,66 mW<br>(+4,2 dBm)  | –                     | –                     | 9,21 mW<br>(+9,6 dBm)  | 500 mW<br>(+27,0 dBm) |
| 1 270 nm (MM)             | 140 mW<br>(+21,4 dBm)  | 270 mW<br>(+24,3 dBm)  | –                     | –                     | 500 mW<br>(+27,0 dBm)  | 500 mW<br>(+27,0 dBm) |
| 1 270 nm (SM)             | 46,2 mW<br>(+16,6 dBm) | 76,5 mW<br>(+18,8 dBm) | –                     | –                     | 237 mW<br>(+23,7 dBm)  | 500 mW<br>(+27,0 dBm) |
| 1 310 nm (MM)             | 481 mW<br>(+26,8 dBm)  | 500 mW<br>(+27,0 dBm)  | –                     | –                     | 500 mW<br>(+27,0 dBm)  | 500 mW<br>(+27,0 dBm) |
| 1 310 nm (SM)             | 166 mW<br>(+22,2 dBm)  | 277 mW<br>(+24,4 dBm)  | –                     | –                     | 500 mW<br>(+27,0 dBm)  | 500 mW<br>(+27,0 dBm) |
| 1 400 nm to 1 600 nm (MM) | 13,3 mW<br>(+11,2 dBm) | 371 mW<br>(+25,7 dBm)  | –                     | –                     | See Note 1 in 4.9.3    | 500 mW<br>(+27,0 dBm) |
| 1 420 nm (SM)             | 10,1 mW<br>(+10,0 dBm) | 115 mW<br>(+20,6 dBm)  | –                     | –                     | See Note 1 in 4.9.3    | 500 mW<br>(+27,0 dBm) |
| 1 550 nm (SM)             | 10,2 mW<br>(+10,1 dBm) | 136 mW<br>(+21,3 dBm)  | –                     | –                     | See Note 1 in 4.9.3    | 500 mW<br>(+27,0 dBm) |

#### D.4.1.3 Single-mode fibre

In the third formula ( $P_{1,max}$ ), replace "46,2 mm" with "46,2 mW".

#### D.4.4.1 General

At the end of the first paragraph, replace "See Annex B." with "See Table 5.".