# Table 33-18, Item 4

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | Input available average power, Class 0 and Class 3 | $P_{Class\_PD}$ | W | | 13.0 | 1, 3 | See 33.3.7.2, Table 33–1 |
| | Input available average power, Class 1 | | | | 3.84 | 1, 3 | |
| | Input available average power, Class 2 | | | | 6.49 | 1, 3 | |
| | Input available average power, Class 4 | | | | 25.5 | 2, 3 | |
| | Input available average power, Class 5, Single-signature | | | | 40.0 | 3 | |
| | Input available average power, Class 5, Dual-signature | | | | 35.5 | 4 | |
| | Input available average power, Class 6 | | | | 51.0 | 3 | |
| | Input available average power, Class 7 | | | | 62.0 | 4 | |
| | Input available average power, Class 8 | | | | 71.0 | 4 | |

| item | parameter | Symbol | Unit | Min | Max | PD Type | Additional information |
|---|---|---|---|---|---|---|---|
| ⋮ | | ⋮ | | | | ⋮ | |
| 4 | Input Average Power | Pport_PD | W | | PClass_PD | 1,2<br>3,4 | See 33.3.7.2, Table 33-1 |

*(Note: Pport_PD is already defined as the average input power in 33.3.7.3)*

# Section 33.3.7.2

33.3.7.2 Input average power

The maximum average power, $P_{Class\_PD}$ in Tables 33-16a and 33–18 or PDMaxPowerValue in 33.6.3.3, is calculated over a 1 second interval. PDs may dynamically adjust their maximum required operating power below $P_{Class\_PD}$ as described in 33.6. PDs may also adjust their maximum required operating power below $P_{Class\_PD}$ by using Autoclass (see 33.3.5.3).

NOTE—Average power is calculated using any sliding window with a width of 1 s.

For Class 6 or Class 8 PDs, ~~the input available average power~~ $P_{Class\_PD}$ is the maximum power the PD shall consume when no additional information is available to the PD regarding actual channel DC resistance. If such a PD has additional information and does not cause the PSE to source more than $P_{Class}$ it may exceed ~~the maximum input available average power~~ $P_{Class\_PD}$.

# Table 33-16a

Table 33-16a ~~Multiple Event~~ Physical Layer Classifications and Multiple Event Responses

| PD Type | PD Signature | Class | class_sig_A | class_sig_B | PClass_PD (W) |
|---|---|---|---|---|---|
| 1 | | 0 | 0 | 0 | 13.0 |
| 1 | | 1 | 1 | 1 | 3.84 |
| 1 | | 2 | 2 | 2 | 6.49 |
| 1 | | 3 | 3 | 3 | 13.0 |
| 2 | | 4 | 4 | 4 | 25.5 |
| 3 | Single | 0 | 0 | 0 | 13.0 |
| 3 | | 1 | 1 | 1 | 3.84 |
| 3 | | 2 | 2 | 2 | 6.49 |
| 3 | | 3 | 3 | 3 | 13.0 |
| 3 | | 4 | 4 | 4 | 25.5 |
| 3 | | 5 | 4 | 0 | 40.0 |
| 3 | | 6 | 4 | 1 | 51.0 |
| 3 | Dual | 1 | 1 | 0 | 3.84 |
| 3 | | 2 | 2 | 0 | 6.49 |
| 3 | | 3 | 3 | 0 | 13.0 |
| 3 | | 4 | 4 | 0 | 25.5 |
| 4 | Single | 7 | 4 | 2 | 62.0 |
| 4 | | 8 | 4 | 3 | 71.0 |
| 4 | Dual | 5 | 4 | 3 | 35.5 |

# Reference adjustments

Page 233, line 5:

PClass_PD is the PD's power classification (see Table ~~33–18~~ 33-16a)

Page 265, line 5 and Page 271, line 41:

PClass_PD, as specified in Table ~~33–18~~ 33-16a.