

# Table 33-18, Item 4

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

item	parameter	Symbol	Unit	Min	Max	PD Type	Additional information
⋮							
4	Input Average Power	$P_{port\_PD}$	W		$P_{Class\_PD}$	1,2 3,4	See 33.3.7.2, Tables 33-16a, 33-1

(Note:  $P_{port\_PD}$  is already defined as the average input power in 33.3.7.3)

### 33.3.7.2 Input average power

The maximum average power,  $P_{\text{Class\_PD}}$  in Tables 33-16a and 33-18 or  $\text{PDMaxPowerValue}$  in 33.6.3.3, is calculated over a 1 second interval. PDs may dynamically adjust their maximum required operating power below  $P_{\text{Class\_PD}}$  as described in 33.6. PDs may also adjust their maximum required operating power below  $P_{\text{Class\_PD}}$  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~~  $P_{\text{Class\_PD}}$  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  $P_{\text{Class}}$  it may exceed ~~the maximum input available average power~~  $P_{\text{Class\_PD}}$ .

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

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

# 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.