Table 33-18, Item 4

item	parameter	Symbol	Unit	Min	Max	PD Type	Additional information
⋮	⋮		⋮				⋮
4	Input Average Power	Pport_PD	W		PClass_PD[1]	1,2 3,4	See 33.3.7.2, Tables 33-16a, 33-1

Table 33-18 footnote:

1. Class 6 and Class 8 PDs may exceed PClass_PD under certain conditions (see 33.3.7.2)

(Note: Pport_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_{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 ~~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.