| | | | | | U 1 | | | |
|--|--|--------------------|------------------------|-----------|---|--|--------------------|--------------------------|
| C/ 156 SC 156.8 | P 101 | L 31 | # 1 | C/ 156 | SC 156.10.1.2. | | L 21 | # 4 |
| Maniloff, Eric | Ciena | | | Dawe, Pie | ers | Nvidia | | |
| Comment Type T | Comment Status D | | | Comment | Type TR | Comment Status D | | |
| The comment "interp | | | | | | ly has significant filtering: ' | | |
| | frequencies is not possible as t derivation of the values in Tabl | | | | | ring it again without taking ical parameters are inadeo | | t would be too much. |
| SuggestedRemedy | | | | Suggeste | | | fuctory defined. | |
| ••• | 56.8 that provides the values a | t arbitrary freque | ancies A contribution | | | her filtered so that the con | bined effect of th | ne observation filter in |
| with the equation will | | | | | | pherent receiver and this fil | | |
| Proposed Response | Response Status W | | | Proposed | Response | Response Status W | | |
| PROPOSED ACCEP | , | | | PROF | POSED ACCEPT IN | , | | |
| | - 1.41 ···· | | - 4 | F0 | | | | |
| Pending comment re | solution group review of the su | pporting present | | For C | RG discussion. | | | |
| C/ 156 SC 156.8 | P 102 | L 13 | # 2 | C/ 156 | SC 156.9.27 | P 109 | L 40 | # 5 |
| Maniloff, Eric | Ciena | | | Dawe, Pie | ers | Nvidia | | |
| Comment Type E | Comment Status D | | | Comment | Type TR | Comment Status D | | |
| | replaced with a figure based on | n the actual value | es. Current figgure is | | | enalty defined in Recomm | | |
| illustrative but not su | fficiently accurate. | | | | | 698 EVM, which is differer | it to the EVM her | e. So the Rx and |
| SuggestedRemedy | | | | | nel specs are not co comments 285, opt | ical parameters are inadec | uately defined | |
| Update Fig 156-6 wit | h a more accurate figure. | | | Suggeste | | | | |
| Proposed Response | Response Status 🛛 🛛 🛛 🛛 🛛 🖉 | | | | • | R penalty with a reference | receiver based o | n the EVM of this |
| PROPOSED ACCEP | T IN PRINCIPLE. | | | claus | | v penalty with a reference | receiver based o | |
| Lindoto figuro 156 6 d | a augrapted using the values | from the formula | to be provided in | Proposed | Response | Response Status W | | |
| 156.8. See response | as suggested using the values to comment #1. | from the formula | i to be provided in | PROF | POSED ACCEPT IN | , N PRINCIPLE. | | |
| | | | | F0 | | | | |
| C/ 156 SC 156.9.4 | | L 52 | # 3 | For C | RG discussion. | | | |
| Dawe, Piers | Nvidia | | | | | | | |
| Comment Type E where lists are single | Comment Status D | | | | | | | |
| SuggestedRemedy | | | | | | | | |
| | ing to single spaced. Also for | Eq. 156A-1 | | | | | | |
| Proposed Response | Response Status W | | | | | | | |
| PROPOSED ACCEP | , | | | | | | | |
| T NOF USED ACCEP | 1. | | | | | | | |

Comment ID 5

| C/ 156 SC 156 | 9.22 <i>P</i> 108 | L 1 | # 6 | C/ 156 | SC 156.9.12 | P 108 | L 33 | # 8 | | |
|--|--|----------------------|-----------------------|----------------|---|--|---|--|--|--|
| Dawe, Piers | Nvidia | | | Dawe, Pie | rs | Nvidia | | | | |
| Comment Type TF | Comment Status D | | | Comment | Type TR | Comment Status D | | | | |
| This spec item "Transmit output power control absolute accuracy" duplicates 156.9.19 Transmit output power absolute accuracy (in spite of the slightly different names, they specify the same thing). D2.1 comments 285, optical parameters are inadequately defined. | | | | | This doesn't make sense: "the center value between the proportional amplitude difference of" D2.1 comments 285, optical parameters are inadequately defined. SuggestedRemedy | | | | | |
| | | | | | | | | | | |
| The definition in 156.9.19 is more complete, so delete 156.9.22. Consolidate the two entries in Table 156-7. The +/- way is preferable. | | | | | • | es found with or without their o | onsets. | | | |
| Proposed Response | Response Status W | | | Proposed | | Response Status W | | | | |
| | EPT IN PRINCIPLE. | | | PROP | OSED ACCEPT | IN PRINCIPLE. | | | | |
| THOI COLD ACC | | | | For CF | RG discussion | | | | | |
| | of Transmit output power absol | ute accuracy and | Transmit output power | | | | | | | |
| control absolute a | ccuracy for CRG discussion. | | | C/ 156 | SC 156.9.5 | P 105 | L 46 | # 9 | | |
| In Table 156-7 co | nsolidate Transmit output power | absolute accurac | v max and min to +/- | Dawe, Pie | ſS | Nvidia | | | | |
| 1db and consolidate Transmit output power absolute accuracy max and min to +/- 1db. | | | | | Type TR | Comment Status D | | | | |
| C/ 156 SC 156. Dawe, Piers | 9.17 <i>P</i> 108 Nvidia | L 20 | # [7] | Table measu | 156-11" but frec irement of some | uency noise is measured usir quency noise is not measured ething else. This doesn't say pectrum or phase noise) is co | d directly, it is de what is measure | rived from a ed, or how, or how wha | | |
| Comment Type TF | | de europeant en in C | | D2.1 c | omments 285, o | optical parameters are inade | | | | |
| | erm "limits of the C-band" in this 85, optical parameters are inade | | 0.089.2. | • | cally on frequer | icy noise. | | | | |
| D2.1 comments 285, optical parameters are inadequately defined. | | | | | SuggestedRemedy | | | | | |
| SuggestedRemedy Rather than use this unsourced terminology, say what the limits are. According to Table | | | | | e this spec to p equency noise" | ower spectrum or phase nois is defined. | e, or add the mi | ssing information so | | |
| , | to 196.175 THz might be approp | oriate. | | Proposed | Response | Response Status W | | | | |
| Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. | | | | PROP | OSED ACCEPT | IN PRINCIPLE. | | | | |
| I NOI OULD AUC | | | | For C | C discussion | | | | | |

Replace "limits of the C-band" with specific frequency limits. For CRG discussion.

For CRG discussion.

Comment ID 9

| C/ 156 | SC 156.9.5 | P 106 | L 4 | # 10 | C/ 156 | SC 156.9.9 | P 107 | L 11 | # 12 | | |
|---|------------------------------------|--|----------------|-------------------------|--|------------------------------|---|------------|-------------------------|--|--|
| Dawe, Piers | | Nvidia | | | Dawe, Piers | | Nvidia | | | | |
| Comment Ty | vpe TR | Comment Status D | | | Comment Typ | e TR | Comment Status D | | | | |
| The units of frequency noise are Hz [^] 2/Hz. No watts or dB involved. Frequency noise is not a power spectral density. D2.1 comments 285, optical parameters are inadequately defined, and other comments specifically on frequency noise. | | | | | the RMS D2.1 com | average (sta ments 285, o | ax is the RMS addition of the ndard deviation), not the sum optical parameters are inadec | | values. I believe it is | | |
| SuggestedRe | | | | | SuggestedRemedy | | | | | | |
| | • | er spectrum or phase noise | or change Ta | ble 156-13Frequency | 0 | | to standard deviation | | | | |
| | | to 156-13Frequency no | | ible 100-10-1 requertey | Proposed Re | • | Response Status W | | | | |
| Change " | "One-sided frequ | ency noise power spectral | density (Hz^2/ | Hz)" in the table and | PROPOS | ED ACCEPT | IN PRINCIPLE. | | | | |
| frequency | y noise (Hz2/Hz) | se power spectral density equency vs spectral power | | - | Replace the second paragraph in 156.9.9 with | | | | | | |
| noise ma Proposed Re | ask . | Response Status W | | | "EVMMAX, is defined as a ratio of the root mean square (RMS) value of all the error vectors (averaged over N symbols) to the maximum magnitude of all the reference constellation points. | | | | | | |
| PROPOS | SED ACCEPT IN | PRINCIPLE. | | | Constella | ion points. | | | | | |
| For CRG | discussion. | | | | | | as a ratio of the root mean sq gnitudes used for normalization | | e of all the reference | | |
| C/ 156 | SC 156.9.5 | P 106 | L 6 | # 11 | C/ 156 | SC 156.9.1 | P 104 | L 5 | # 13 | | |
| Dawe, Piers | | Nvidia | | | Dawe, Piers | | Nvidia | | | | |
| Comment Ty | vpe TR | Comment Status D | | | Comment Typ | e TR | Comment Status D | | | | |
| "One-sided" is ambiguous and does not appear in the text. It might mean that only one side is shown, and the other is the same, or it might mean that both sides are to be summed (presumably in an RMS way). D2.1 comments 285, optical parameters are inadequately defined, and other comments | | | | | As well as the pattern for frequency noise, some other patterns should be corrected. Ripple, polarization dependent loss, polarization rotation speed, adjacent channel isolatio and interferometric crosstalk at TP3 do not involve patterns at all. D2.1 comments 285, optical parameters are inadequately defined. | | | | | | |
| | ally on frequency | noise. | | | SuggestedRemedy | | | | | | |
| SuggestedRemedy | | | | | For these, change 5 to Not applicable | | | | | | |
| | - | | | | FOI THESE | , cnange 5 to | o Not applicable | | | | |
| | <i>emedy</i> xt, say which is n | neant. | | | | U U | | | | | |
| In the tex | xt, say which is n | neant. Response Status W | | | Proposed Re | U U | Response Status W | | | | |
| In the tex Proposed Re | xt, say which is n | Response Status W | | | Proposed Rea PROPOS | sponse ED REJECT | Response Status W | | | | |

Comment ID 13

| C/ 156 | SC 156.9.1 | P 1 | 03 | L 47 | # 14 | |
|----------------------|--------------------------|--|------------|------------------|------------------|-----|
| Dawe, Pie | rs | Nvidia | а | | | |
| lf it's C | | <i>Comment Status</i> 400GBASE-ZR sign and transmit output p | al for ave | 0 | / | |
| minim | um average cha | nnel power at maxim bsolute accuracy. | | , | | |
| Suggested For the | , | 5 or valid 400GBAS | E-R sign | al | | |
| • | Response POSED ACCEP1 | Response Status | w | | | |
| In Tab | ole 156-12, for A | djustable range of tra | nsmit ou | tput power, Mini | mum average chan | nel |

power at maximum adjustable power setting and Transmit output power, Minimum average channel accuracy change the patteren from "5" to "5 or valid 400GBASE-R signal".