Additional detail on pepeljugoski_01_0108 modal noise calcs

Robert Lingle, Jr (OFS)
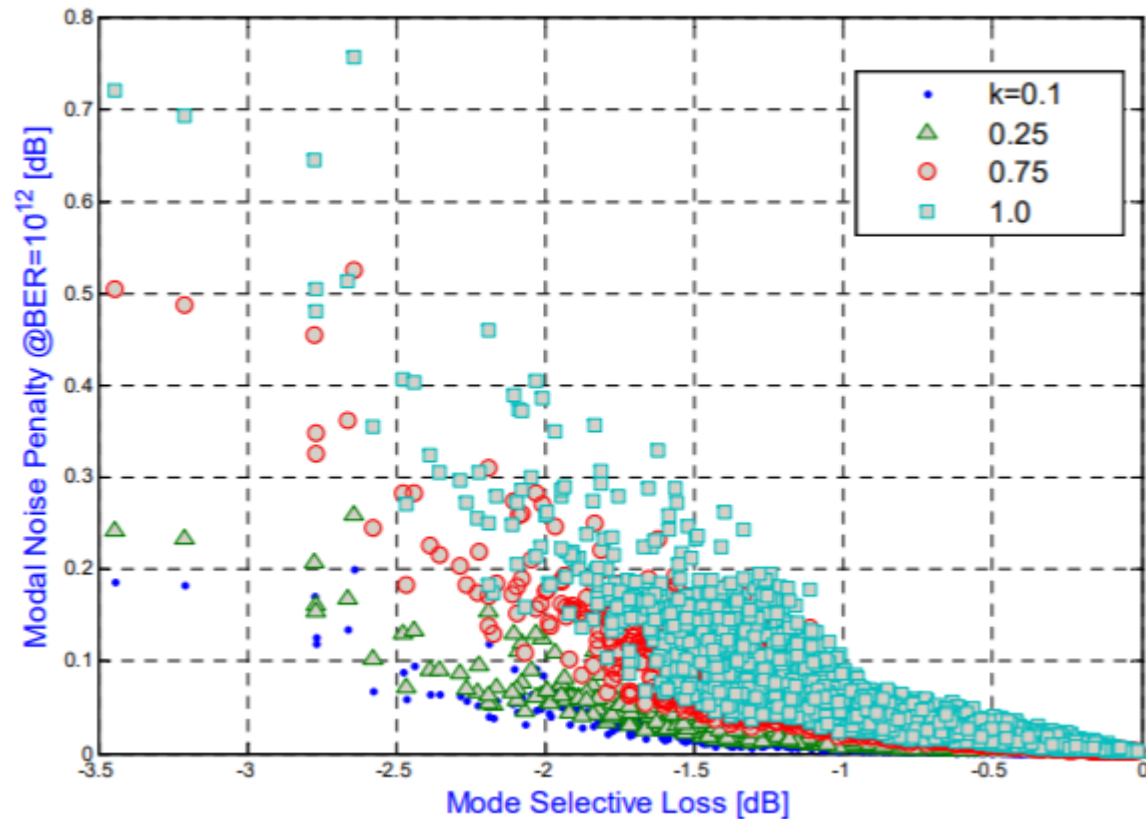
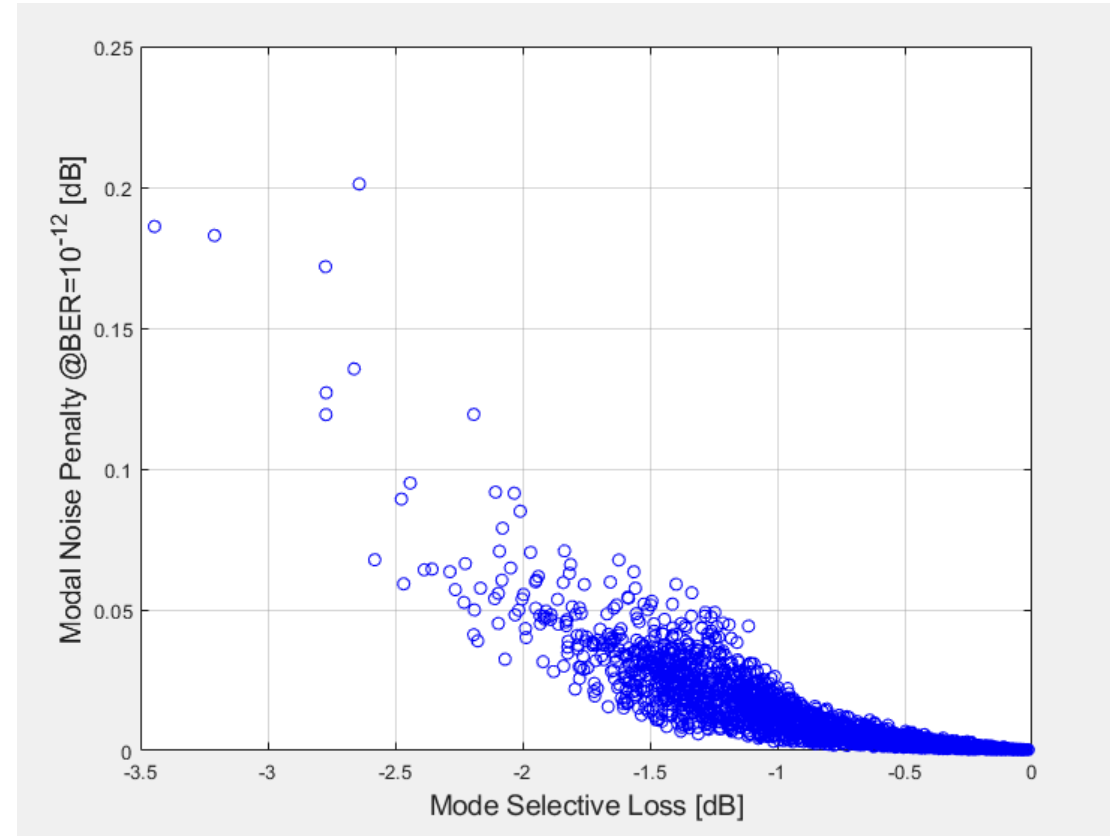April 25th, 2019

IEEE P802.3cm Ad Hoc Teleconference

Background

- Proper allocations for modal noise penalty have been the subject of several past comments and contributions, most recently in Vancouver:
  - http://www.ieee802.org/3/cm/public/March19/king_3cm_01_0319.pdf
- The data from the bottom right figure from slide 13 of pepeljugoski_01_0108 has been of interest, but some of that data was obscured by overlaying points
  - http://www.ieee802.org/3/ba/public/jan08/pepeljugoski_01_0108.pdf
- Task Force members expressed a desire in Vancouver to see the original data unobscured. Petar Pepeljugoski has graciously located that data and given permission to share it with IEEE P802.3cm Task Force.

Figure on the right shows the previously obscured detail corresponding to the case k=0.1 on the original graph on the left

Bottom right figure from slide 13 of
http://www.ieee802.org/3/ba/public/jan08/pepeljug
oski_01_0108.pdf

Original data for k=0.1, isolated from figure to the left. Courtesy of Petar Pepeljugoski, with permission.