

TG2 Session#16 closing report

- A small but active group worked on several contributions
- Simulation results for the PP- PMP task were agreed. A first draft of this part of the Recommended Practice can now be prepared.
- Decisions on 3.5 GHz and 10.5 GHz propagation were made. Further work is needed at 2.5 GHz. The conclusions on propagation were presented to TG3
- The project is on - track relative to the timeline. The PP- PMP task is ahead of the sub - 11 GHz task.
- Several output documents are available on the server
- Draft minutes are on the server

Preparation for next session

- Complete 2.5 GHz propagation model for coexistence purposes
- Complete all 10.5 GHz simulations
- Complete a first draft of the PP-PMP section of the amendment to the recommended practice
- Considering other/ additional means of making progress (to overcome travel limitations of some members).

2-11 GHz propagation

- The coexistence task group has agreed on propagation models for the purpose of interference calculations. We are only concerned with signal levels for wanted and interfering paths (phase information is not needed).
- The propagation models are not necessarily the same as those used for system design.
- The aim has been to find a balance between optimistic expected results and simplified theory (erring on the side of caution).

Interference Propagation models

- **10.5 GHz band**
 - Line of sight on wanted path
 - Line of sight on interfering path(s)
- **3.5 GHz band**
 - Line of sight up to 15km
 - D^4 beyond this distance
 - Applied both to wanted and interfering path(s)
- **2.5 GHz band**
 - A new model is being produced with higher path losses for longer distances (based on a large study of deployed systems)
- System parameters to be used in coexistence calculations are summarized in IEEE C802.16.2a-01/12
- Background papers on propagation are available in IEEE C802.16.2a-01/13 **PLEASE READ AND COMMENT**