IEEE P802.11  
Wireless LANs

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| IEEE 802.11 TGbb 14/8/2018 Teleconference Minutes | | | | |
| Date: 2018-08-17 | | | | |
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Abstract

This document contains the Task Group on Light Communications (TGbb) meeting minutes from the, August 14th 2018 teleconference.

**IEEE 802.11 Task Group TGbb**

**August 14th, 2018,**

**Chair: Nikola Serafimovski (pureLiFi)**

**1st Vice-Chair: Oliver Pengfei Luo (Huawei)**

**2nd Vice-Chair: Tuncer Baykas (IMU)**

**Secretary: Ryan G. Mennecke (JHU-APL)**

Meeting Recording Secretary: Chong Han (pureLiFi)

**Participants** (as recorded from joinme-list is incomplete)

Nikola Serafimovski (pureLiFi)

Chong Han (pureLiFi)

Pengfei Luo (Huawei)

Tuncer Baykas (IMU)

Jerome Arokkiam (Osram)

Ike (Osram)

Volker Jungnickel (HHI)

Sue Leicht (NSA)

1. The IEEE 802.11 TGbb teleconference meeting was called to order at by the Chair, Nikola Serafimovski (pureLiFi).
2. The Chair Nikola Serafimovski (pureLiFi) reviewed the IEEE-SA patent policy, logistics, and reminders, including meeting guidelines and attendance recording procedures.
3. The Chair Nikola Serafimovski (pureLiFi) introduced the agenda for the teleconference Doc. 11-18-1416/r0

* Discuss Simulation and Evaluation Framework document
  + Channel model doc status
  + simulation scenario doc status
  + evaluation framework doc
* Agenda approved

1. Tuncer updated the status of channel model doc. Not ready yet. But will be available before next telephone meeting for discussion.

Tuncer: for the high speed detector it may has to assume flat on the receiver side.

Nikola: Finding high speed detector for large scale is difficult.

Volker: HHI can contribute by providing measurement of the front end for HB PHY. From the w/c of 20/08 HHI’s lab will do some measurements on the frontends that can used as input for the Tx and Rx models.

Action: Tuncer to upload the updated channel model document before next telco.

1. Simulation scenario document status

Oliver is preparing the slides for simulation scenarios. Word document with detailed descriptions for different use cases is also on the way. Hopefully to deliver both by next meeting.

1. Evaluation framework discussion
   * Can CCA be reused by 802.11bb?

Volker asked about the reason of unable to reuse the CCA mechanism in 802.11bb.

Chong: the CCA mechanism in radio based communications relies on the fact that each device can hear wireless transmission over the medium by other devices. This is not feasible in LC.

Jerome stated that only non-AP coordinated networks needs CSMA-based mechanism.

Chong: The TGbb network will have both contention-based and contention-free schedulers. Contention based access is for the UL random access in terms of association, or other requests.

Jerome suggested considering the length of CCA.

Chong: no matter how long/short the CCA duration lasts, LC cannot do a CCA which means LC enabled devices are not aware of any UL transmissions by other devices.

Nikola: the discussion on CCA and channel access will continue in the future meetings.

The meeting recessed.