IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IEEE 802.11 TGbb Task Group on Light Communications  August 24, 2020 Teleconference Minutes | | | | |
| Date: 2020-08-24 | | | | |
| Author: | | | | |
| Name | Affiliation | Address | Phone | Email |
| Matthias Wendt | Signify |  |  | [matthias.wendt@signify.com](mailto:matthias.wendt@signify.com) |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

This document contains the Task Group on Light Communications (TGbb) Aug. 24 2020 teleconference meeting minutes

**IEEE 802.11 Task Group TGbb**

**August 24, 2020, Web conference 11:00-12:00 EST**

Attendance: 18 people

1. The IEEE 802.11 TGbb meeting was called to order at by the Chair, Nikola Serafimovski (pureLiFi). Matthias Wendt (Signify) recorded the minutes.

1. The Chair reviewed the IEEE-SA patent policy, logistics, and reminders, including meeting guidelines and attendance recording procedures.
   * It is reminded all to record their attendance through the IMAT system.
2. The Chair introduced the overall agenda in doc. [11-20/1237r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1237-00-00bb-24-aug-2020-conference-call-agenda.pptx) for the call.

* Agenda Items to be discussed (updated)
  + Agenda Agreement
  + Submissions to be discussed
    - Hossien Eldeeb, Sreelal Maravanchery Mana: Channel Modelling for LC in TGbb: Validation of Ray Tracing Models by Measurements (doc. [11-20/1234r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1234-00-00bb-channel-modelling-for-lc-in-tgbb-validation-of-ray-tracing-models-by-measurements.pptx))
  + Conf. call schedule
  + AOB
    - Centre frequency for common mode PHY

1. **TGbb Motion** to approve the agenda in document [11-20/1237r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1237-01-00bb-24-aug-2020-conference-call-agenda.pptx)

**Approve the updated agenda in doc. 11-20/1237r1 for the call.**

**Motion approved.**

1. Nikola Serafimovski explained that the September meeting will be held as web based interim meeting the TGbb slot will be on the 14th of September adjacent to the WG opening plenary.
2. Hossien Eldeeb is presenting [11-20/1234r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1234-00-00bb-channel-modelling-for-lc-in-tgbb-validation-of-ray-tracing-models-by-measurements.pptx) “Channel Modelling for LC in TGbb: Validation of Ray Tracing Models by Measurements” (11:25 EST).
   * No further questions by the group
3. Centre frequency for common mode PHY.
   * Discussion on center frequency: The last proposal as contained in [[11-20/1162r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1162-00-00bb-tgbb-common-phy-mode-and-lc-he-phy-mode-center-frequency-discussion.pptx)](https://mentor.ieee.org/802.11/dcn/20/11-20-1162-00-00bb-tgbb-common-phy-mode-and-lc-he-phy-mode-center-frequency-discussion.pptx) (31-Jul-2020) was to settle the center frequency for the common mode channel to 12.5MHz. However the shared measurements [11-20/1037r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1037-00-00bb-experimental-results-for-tgbb-centre-freq-discussion.pptx) (10-Jul-2020) show that this setting would not allow for reliable connection even with an ideal optical channel. It is proposed to go back to e.g. to the proposal contained in [11-20/572r1](https://mentor.ieee.org/802.11/dcn/20/11-20-0572-01-00bb-proposed-center-frequency-mandatory-phy.pptx) (26-Apr-2020).
   * The team agrees to collect potential final contributions towards the center frequency for the next meeting and possibly have a motion to settle the common mode PHY center frequency.

**11** The meeting adjourned at 11:45 EST.

Attendance

|  |  |
| --- | --- |
| Name | Affiliation |
| Baykas, Tuncer | Istanbul Medipol University, Hyperion Technologies |
| Berner, Stephan | PureLiFi |
| Bluschke, Andreas | Signify |
| Davies, Robert | Signify |
| Han, Chong | pureLiFi |
| Jungnickel, Volker | Fraunhofer Heinrich Hertz Institute |
| Lee, Nancy | Signify |
| Martinez Vazquez, Marcos | MaxLinear Corp |
| Purwita, Ardimas | University of Edinburgh |
| Serafimovski, Nikola | pureLiFi |
| Stavridis, Athanasios | Ericsson AB |
| van Wageningen, Andries | Signify |
| Wendt, Matthias | Signify |
| Hossien Eldeeb | Ozyegin University |
| Maravanchery Mana, Sreelal | Fraunhofer Heinrich Hertz Institute |
| Anil Yesilkaya | University of Edinburgh |
| Tao, Haimin | Signify |
| Goldberg , Jonathan | IEEE |