IEEE P802.11  
Wireless LANs

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| IEEE 802.11 TGbb  15/02/2019 Teleconference Meeting Minutes | | | | |
| Date: 2019-02-15 | | | | |
| Author(s): | | | | |
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Abstract

This document contains the meeting minutes for the 2019-02-15 TGbb teleconference.

**Chair: Nikola Serafimovski (pureLiFi)**

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

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

Meeting Recording Secretary: Chong Han (pureLiFi)

**Participants**

 Nikola Serafimovski (pureLiFi)

 Chong Han (pureLiFi)

 Jerome Arokkiam (Osram)

 Kai Lennert Bober (HHI)

 Volker Jungnickel (HHI)

 Athanasios Stavridis (Ericsson)

 Arturo (GigaLiFi)

 Max Riegel (Nokia)

1. Chair called the meeting to order at 9:00 AM EST.
2. Chair went through IEEE patent policy and other guidelines

* Call for potentially essential patents: no response from participants.

1. Approval of Agenda
   * See agenda document https://mentor.ieee.org/802.11/dcn/19/11-19-0273-00-00bb-15-feb-2019-conference-call-agenda.ppt
   * The agenda is approved by unanimous consent.
2. Chair presented the doc. 11-19/0272r0.
   * It is good to have frequence offset. For some PHYs it is required while for others it is not needed.
   * How did you consider the shot noise etc.? Shot noise and thermal noise are part of RX frontend models.
   * Why is the AWGN added to the flow chart? It is easier to implement the shot noise by adding AWGN here. The RX response consists of different types of noise.
   * DC bias is added after the TX response in order to implement the functions in the frontend model.
   * Waveform is generated before the TX response block.
   * Suggest moving the flow chart to the calibration part, while others think the flow chart is very general that could be kept at the beginning. This is to be discussed in the future.
   * The measurement of noise should be after the RX response process.
   * The proposer to update the figure and revisit the document in Vancouver.
   * There should be enough space before the spectrum mask. We don’t know the optimal offset, hence the term ‘optimal’ is removed from the text.
   * The ‘100,000 packets’ come from the detection rate. This large number of packet transmission is to ensure the BER/PER is measured correctly with enough samples.
   * The simulation could be repeated with smaller number of packet transmissions in order to ensure the KPIs are measured with enough transmissions. However, this may be different for PHY link level measurement.
   * The whole group expressed the opinion towards the requirement of ‘100,000 packets’ per simulation. The exact required number shall be discussed further if needed.
3. Meeting adjourned at 10:00 AM EST.