The meeting started 10:00am PST.

Attendees:

Tim Godfrey (The TG chairman) – EPRI

Juha Juntunen – Meteorcomm

Menashe Shahar – Ondas Networks

Daoud Serang – CML Microcircuits

Jingjing Jiang - ???

Kanke Wu - Qualcomm

Kristian Granhaug – Novelda

Seetharam Kashyap - Ondas

Clint Powell - Meta

Xiliang Luo - Apple

Joerg Robert – TU Ilmenau/Fraunhofer IIS

Gary Stuebing – ???

SK Yong – ???

Lennert Bober – Fraunhofer HHI

Vamsi Amalladinne - Qualcomm

David Barras – 3db

Nima Namvar – ???

Henk de Ruijter – Silicon Labs

Zhenzhen Ye – ???

Yong Liu – ???

Khashayar Mirhakhraei-Zeku - ???

Harry Bims – Bims Laboratories

The TG chair asked if anyone would like to be the secretary for the meeting. Juha agreed to take the meeting minutes.

The TG chair presented the agenda. There were no objections to the agenda, and it was approved with unanimous consent.

Two contributions:

* Filtering of Single Carrier and OFDM signals by Ondas
  + A previously shown table with small number of filter taps had an abnormal PAR trend. This was deleted from this latest contribution.
  + It was shown that filtering/windowing during OFDM CP does not produce as good result as in traditional single carrier system.
  + In-band Rejection (IBR) filter could be used to improve ACPR and not degrade orthogonality properties of the signal (assuming FIR linear phase filter is used).
  + Menashe suggested that the IBR filter definition would not be part of the standard but left to equipment vendors to define.
  + Daoud had concerns about OFDM filtering. Harry and Joerg confirmed that OFDM cannot be filtered as suggested without impacting performance (inter-symbol interference). The ISR issue becomes especially big with higher order modulations.
  + Clint pointed out that tolerances and related implementation margin would need to be considered as well.
  + Harry explained pre-coding/FEC could be used instead of an equalizer with inter-symbol interference issues.
  + Juha and Daoud expressed opinions that due to the general interoperability target for the standard the solution to meeting the required transmit mask and acceptable OFDM inter-symbol interference levels needs to become part of the standard.
* The other contribution was about a proof of maintaining orthogonality with OFDM filtering, which was only briefly looked at because of the notified issues with the previous contribution.

In-person participation for the next meeting in Montreal, QB was queried.

* Results: 4 in-person, 4 remote, 1 not at all.

Teleconference on June 16 11:00 PST was discussed. Menashe said it makes sense to have the call so it will be arranged.

The TG chair asked if there was any other business, but there was none.

The TG chair called the meeting adjourned at 11:00am PST.