**IEEE P802.15**

**Wireless Personal Area Networks**

|  |  |
| --- | --- |
| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **TG4q ULP September 2013 Meeting Minutes** |
| Date Submitted | 13 October 2013 |
| Source | [Jinesh Nair] [Samsung.] | E-mail:[jinesh.p@samsung.com] |
| Re: | Ultra Low Power amendment to IEEE 802.15.4 |
| Abstract | TG4q ULP Meeting minutes  |
| Purpose | Meeting minutes |
| Notice | This document has been prepared to assist the IEEE P802.15. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein. |
| Release | The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.15. |

#

**Task Group ULP Meeting Tuesday, 17 September 2013**

**AM1 session:**

1. Chair (Shahriar Emami) called session to order at 08:10 am.

2. Opening report (DCN: 15-13-0544-00-004q) for ULP presented by Chair

3. July meeting minutes (DCN: 15-13-0500-00-004q) is approved

Motion to approve the meeting minutes passed anonymously

Moved by: Allan (Samsung)

Seconded by: Youngjin Liu (Huawei)

4. ULP Agenda (DCN: 15-13-0490-00-004q) presented by the Chair

**5. Activity, discussions and rework related to the TGD draft (DCN: 15-13-0341-02-004q) followed**

Technical parameters listed in the TGD draft were taken up for discussion.

Yin Zhang (IMEC) : Why the network topology is not included in the TGD. Is this not important ?

Henk (Silicon Labs): Yes, the network topology is of importance. Asymmetric topology is preferable for ULP Communication

Kiran: How does that influence the Physical layer amendment? This is not necessary to be included.

Jinesh: This can be explained while giving the proposal. There is no need to explicitly mention this or given as a constraint in the TGD.

Allan: The network topology is indeed relevant but not important.

Shariar: This is best left to the proposer.

Range:

Yin Zhang : Why the restriction of -5dBm? Typically it is around 0 dBm. Is this related with respect to the sensitivity ?

Shahriar: Group discussed this and the value was reached by consensus.

Kiran: This is just a guideline for the measurement and so that the results be compared on a similar platform.

Henk: It is better to change the wording to “demonstrated” from “measured”

PSD

Kiran: It is better to change the title to Interference Rejection Capabilities

Henk: Is the PSD not important now? It is not an item in the list?

Kiran: Yes a separate item for the PSD is good.

Jinesh: It is good to give the heading as Transmit PSD

Sensitivity:

Yin Zhang: Should the frequency offset be included ?

Shahriar: Ideal conditions should be assumed.

Yin Zhang: It may be good to explicitly state that. The definition of the sensitivity is clear in ZigBee but not very clear in Bluetooth.

Shahriar: It is better to reveal the sensitivity under ideal conditions for a fair comparison of proposals

Yin Zhang Imec: Ok. Like min-EbNo.

**6. Chair (Shahriar) issued a call for proposals**

Bob: made corrections/changes

Bob explained the standardization process

**Task Group ULP Meeting Thursday, 19 September 2013**

**AM2 session:**

1. Chair (Shahriar Emami) called session to order at 10:40 am.

**2. Technical Guidance Document (TGD) called for approval**

Moved by Henk(Silicon Labs)

Seconded by Kiran (Samsung).

Technical Guidance Document is approved

**3. Chair presented the Call for Proposals document**

Motion for approval for call for proposals

Henk moved the call for proposals

Seconded by Kiran

Call for proposals document is approved. The same is uploaded as DCN: 15-13-0573-00-004q

4. Meeting is adjourned at 11.15 am