**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **SG ULP meeting minutes May-2012** | |
| Date Submitted | 16 May 2012 | |
| Source | [Kiran Bynam] [Samsung.] | E-mail:[kiran.bynam@samsung.com] |
| Re: | Ultra Low Power amendment to IEEE 802.15.4 | |
| Abstract | SG ULP Meeting minutes | |
| Purpose | Meeting minutes | |
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# Study Group ULP Meeting May 14 2012

**PM1**

Chair called meeting to order at 1:30 pm

Chair presented meeting objectives, opening report and agenda

Kiran Bynam agreed to act as secretary for this session

Chair presented the contribution "2.4 GHz IEEE 802.15.4 Chipsets: Current and next generation” With DCN number - "15-12-0250-01-ulp"

Commentor 1: Asked if the Power figures presented for transmitter can be achieved at all

Discussion among the group

Eldad : Says that Receiver Power consumption dominates for realistic applications

Kiran Bynam presented details on PAR and 5C with DCN Number "15-12-0260-01-ulp"

Allan presented the Application space with DCN Number "15-12-0258-00-ulp"

Session is recessed

**PM2**

Shahriar presented the draft PAR document to the group

**Discussion on the 2.4 GHz**

Eldad: May be we don’t need to specify any band and keep the band open for proposal

Kiran Bynam: We need to be focussed in terms of bands. Else, the comparing the proposals in different bands would be difficult at the end and also it will take long time for discussion

Shahriar: Asked Eldad to make a case for any band, if it is required and how it will improve the application scenarios

Eldad: Could you please change the data rates in the scope of project?

John Farserotu: It is not required to go with spectral efficiency for the low power, low data rate projects

Kiran Bynam: Agreed with John. In this study group, we don’t bother about spectral efficiency. In fact, we should be looking for low power as priority. As long as some x number of networks can co-exist in a given spectrum, we can take as much bandwidth as we want.

Eldad: Can we make the data rate as 50 kbps on lower side

Kiran: We can. But, we need to consider the fact that most of spectrum comes with minimum bandwidth and going very low may affect energy efficiency

Eldad: I agree

Eldad: Power consumption measurement is impossible as it is completely implementation dependent. Could you please remove that from PAR?

Kiran Bynam: I Agree. We can actually take care of that in some other form later

Allan: Can we do the MAC enhancements as well to achieve low power

Kiran: This is just a Phy amendment

Eldad: We can di it as long as group agrees

Chair took a straw poll and concluded that this should be only PHY amendment with necessary MAC changes

**Discussion on Need for Project:**

John: I am concerned that, above sentence gives a feeling that we are limited to same applications that are addressed by 802.15.4 previously.

John has reworked the sentence and taken.

Kiran: Can we say it as PHY amendment

Chair has changed the sentence and specified that it is PHY amendment

Chair adjourned the session for May meeting