IEEE P802.11  
Wireless LANs

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| [Teleconference minutes for SG4q] | | | | |
| Date: 2012-08-09 | | | | |
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Abstract

[This document is the meeting minutes of SG4q teleconference held on Aug 09, 2012]

**Attandees:**

* Rick Powell (Microsemi-Zarlink)
* Steven Jillings (Semtech)
* Youngsoo Kim (Samsung)
* Shahriar Emami (Samsung)
* Allan Zhu (Samsung)
* Kiran Bynam (Samsung)

**7:05PM PDT: Shahriar called the meeting to order.**

**Rick presented document 12/453.**

* Discussion on which band is available for which area.
  + 950 to 958 MHz (Japan, used by 15.6)
  + 902 to 928 MHz (US)
  + 863 to 870 MHz (EU)
  + 779 to 787 MHz (China)
  + 420 to 450 MHz (ISM, US etc)
  + 407 to 425 MHz (China MBAN)

**PAR review and discussion (12/0386r1)**

* 5.2.a Scope of the complete standard
  + No one had objections to the current text.
* 5.2.b Scope of the project
  + Steve felt it is necessary to improve the MAC to achieve the 10mA goal.
  + Rick felt the 4e LE MAC is a good starting point and maybe it is enough.
  + Allan felt we may conflict with our scope in 5.2.a if we want to introduce a new MAC (“This amendment also defines the necessary MAC changes required for supporting the new ULP physical layer.”)
  + The peak current number was discussed; people feel 10mA is a good number.
  + Allan: we need to also consider other sources of power consumptions; given the max operating current of 10mA on typical coin cell batteries, the peak current of the transceiver should be less than 10mA.
  + Rick: there is a sweet spot between data rate and energy efficiency.
  + Allan reminded people in a presentation given by Shahriar, the radio consumes about 50% of the battery power.
  + Allan suggested further studying the % of power other parts of a device (CPU, MAC and sensor) consumes.

**The teleconference ended at 8:07PM PDT.**