**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **TG3d** ( |
| Date Submitted | 15 July 2014 |
| Source | Thomas KürnerTechnische Universität Braunschweig Institut für NachrichtentechnikSchleinitzstr. 22D-38092 Braunschweig | Voice: +495313912416Fax: +495313915192E-mail: t.kuerner@tu-bs.de |
| Re: |  |
| Abstract | Meeting notes on the 802.15 IG THz July 2014 Plenary Meeting |
| Purpose | Meeting Minutes |
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**Minutes of the July 2014 IG THz Meeting**

The IG THz meeting took place on 15 July 2014 in the time slot Tuesday AM2.

Meeting was called to order at 10.30 am on 15 July 2014. The patents statement was mentioned and no patent contributions were discussed.

**Task Group Leadership:**

Thomas Kürner suggested to elect Iwao Hosako (NICT) as a vice-chair. Iwao Hosako was elected by unanimous consent

**Call for contributions/Changes of the agenda or for any other business:** no discussions followed.

1 contributions was presented:

**Contribution #1 :** Thomas Kürner, TU Braunschweig (Germany), “Effects of Phase Shift Errors on the Antenna Directivity of Phased Arrays in Indoor Terahertz Communications”; (Document **15-14-0406-00-0thz**)

This contribution derives the expectation of the antenna directivity in the presence of random phase shift errors occurring at phased array antennas. The theoretical estimate is validated with the simulation result and offers a simple way to determine the precision requirement of the phase shifter for a given directivity.

**Tasks completed during the meeting:**

Presentation and discussion of the Liaison statement from ITU-R (doc. 18-14-0042-00-0000) requesting comments on the ITU-R preliminary draft new report on "Technology trends of active services in the band above 275 GHz" (doc. 18-14-0043-00-0000). An asnwer will be prepared together with the TG3d and finalized in a joint meeting at the San Antonio Plenary in November

The meeting was adjourned on 15 July 2014 at 11.15 am.

**Attendance:**

Thomas Kürner TU Braunschweig

Ivan Reede Amerisys

Mounir Achir Canon

Makoto Yaita NTT

Yuichi Mizoguchi Toshiba

Kazu Takahashi Panasonic

Akifumi Kasamatsu NICT

Iwao Hosako NICT

Keiji Akiyama Sony

Ichiro Seto Toshiba

Kiyoshi Toshimkitsu Toshiba

Hiroyuki Matsumura Sony

Ken Hiraga NTT

Takuma Takada NTT Docomo