

Project: IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)

Submission Title: Regulatory activity above 275 GHz in CEPT region

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Abstract: The proposal of a new agenda item for WRC19 at the WRC2015 is currently discussed by various regulatory bodies and administrations. This presentation gives a short update on the current view at CPG (European Conference Preparatory Group for WRC15).

Purpose: To inform participants in the task group about ongoing regulatory efforts regarding THz communications in CEPT region.

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Regulatory activity above 275 GHz in CEPT region

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Organization

- For CEPT (Europe) the preparation of the WRC15 is performed by the **CPG** (CPG (Conference Preparatory Group))
- Several Project Teams (PT) were formed to prepare appointed Agenda Items of WRC15
- **PT A** prepared positions based on consensus for **AI 10 “Agenda Items WRC19”** (and others)
- **CPG decides** on CEPT proposals **this week**
- Information in this presentation is based on the input to CPG from the last PTA meeting (publicly available at: [http://www.cept.org/Documents/cpg/27057/CPG15\(15\)057_PTA-Report-to-CPG15-8](http://www.cept.org/Documents/cpg/27057/CPG15(15)057_PTA-Report-to-CPG15-8))

Only **excerpts** are presented from:

DRAFT NEW RESOLUTION [EUR/E26] (WRC-15)

Studies towards an **identification for land mobile and fixed services operating in the frequency range **275-450 GHz****

considering

- a) that a number of bands in the frequency range 275-1000 GHz are identified for use by administrations **for passive services**, such as radio astronomy service, Earth exploration satellite service (passive), and space research service (passive) by No. **5.565**;
- b) that the use of the range above 275 GHz by the passive services **does not preclude** use of this range by **active services**;
- ...
- i) that the **propagation models** of land mobile and fixed services operating in the band above 275 GHz **are required**;
- j) that the **sharing and compatibility studies** between land mobile, fixed services and passive services operating in the band above 275 GHz **have not been studied**;

recognizing

(skipped noting)

that **other active services**, including the radiolocation service and amateur service are also developing and demonstrating applications above 275 GHz;

resolves to invite ITU-R

to consider **identification by footnote** for the land mobile and fixed services operating in the frequency range **275-450 GHz**, while **maintaining the protection of the passive services**, subject to No. 5.565, taking into account the results of ITU-R studies on sharing and compatibility between passive and active services as well as spectrum requirements for those services;

further resolves

that a **future competent conference** may consider to establish the **table of allocations above 275 GHz**, taking into account the result of the relevant studies, not precluding the use by other services;

invites ITU-R

- 1 to **identify characteristics** of systems in the land mobile and fixed services operating at frequencies above 275 GHz;
- 2 to **study spectrum requirements** of systems in the land mobile and fixed services, taking into account technical and operational characteristics of the active services operating in the frequency range **275-450 GHz**;
- 3 to **conduct sharing and compatibility studies** between land mobile, fixed and passive services operating in the frequency range **275-450 GHz**;
- 4 to **identify candidate frequency bands** for use by systems in the land mobile and fixed services, taking into account the results of the studies under invite ITU-R 2 and 3, and the protection of passive services identified in No. **5.565**;

Danke für Ihre Aufmerksamkeit!
(Thank you for paying attention!)

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