

12th meeting
Cascais 24 – 28 October 2005

Date issued: 17.10.2005

Source: UMTS Forum

Subject: Forum view on the draft ECC Decision on UWB



UMTS Forum notes the development in creating the regulation framework for UWB within CEPT and supports the main principles in the draft ECC Decision prepared by ECC TG3. It facilitates a feasible deployment of UWB and, at the same time, gives a good level of protection to the existing radio services.

Solving the remaining open items in the decision, the possibility for a higher PFD level between 3.1 - 4.95 GHz with low duty cycle devices and the use of UWB with a higher PFD level combined with DAA, shall not delay the time schedule for the final approval of the draft decision. If there is no agreement on those items, Forum believes that it is better to leave them out of the decision and modify the decision later, when the agreement has been found. With respect to the unrestricted use of UWB in the band 4.2-4.8 GHz, we would like to postpone such a decision until after the WRC-07 meeting. Based on the recent development in WRC-07 Agenda item 1.4 in ECC PT1, it can be noted that the bands 3.4 – 4.2 GHz and 4.5 – 4.8 GHz are recognized as possible frequency bands, where the frequencies for systems beyond IMT-2000 could be identified (PT1(05)161 Annex 12).

It should also be noted that in contribution TG3#8_41 it was stated that the (preliminary) acceptable power limit, from Systems Beyond IMT-2000 point of view, is –81.6 dBm/MHz at 3.1 GHz and –75.8 dBm/MHz at 6 GHz. Provided UWB is only operating above 6 GHz unwanted emissions below 5GHz may be sufficiently low. If however part of the band below 5GHz is used the draft limit of –70dBm/MHz may not be tight enough.

Finally, Forum reiterates its earlier position that a sufficient PFD level above 6 GHz provides a stable long-term solution for UWB.