



## 3GPP\_TSG\_RAN Archives

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**Subject:** [Questions on power class of UE and output power level of BS](#)  
**From:** Xin Michael QIAN <[log in to unmask](#)>  
**Reply-To:** Xin Michael QIAN <[log in to unmask](#)>  
**Date:** Wed, 31 Mar 2004 14:40:59 +0100  
**Content-Type:** text/plain

**Parts/Attachments:**  [text/plain](#) (30 lines)

Dear all,

I am a PhD student in Engineering Department, Cambridge University, working on manipulating the fiber-optics to transmit WCDMA signals indoors. The problems I have are:

1) the output power level of User Equipment: In 3GPP TS 25.101, different bands have different transmitting power requirements. But, in one certain band, there are still different power classes. Does that mean for one certain UE, say one mobile phone, whether it will change output power with different services or different UEs will have different power classes?



2) I would like to know what maximum output power should it be at the BS antenna. In the 3GPP TS 25.104, there is the requirement for maximum output power for local area BS, which is specified as not more than +24dBm. Do you know any BS, whose output maximum power is below that value? I do like to have one with this value as low as possible; in other words, what is the lowest power the BS could provide in the standard?

Thanks a lot!


Xin Michael QIAN  
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