

## **Marianne Bosley**

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**From:** Marianne Bosley  
**Sent:** Thursday, January 23, 2003 11:59 AM  
**To:** 'rorejas@cetecom.es'  
**Cc:** Marianne Bosley; Greg Czumak  
**Subject:** Metrak #13165 Baracode Wireless Technology Request for Technical Info

Hello,

The reviewing engineer has completed his initial review and has the following technical questions:

RT questions:

1. The measured conducted output power is 4.71 dBm, and the nominal antenna gain is listed as 1 dBi, yielding a theoretical EIRP of 5.71 dBm. The actual measured EIRP, however, is much lower: -7.77 dBm. Please address the discrepancy between the theoretical EIRP and the measured EIRP (i.e., losses in the transmit system, etc.). If the measured EIRP is accurate, then, per FCC policy, that is the level that will be listed on the grant of certification, with the note that it is the measured EIRP.
2. Please provide radiated emission data for emissions in Restricted Bands, as defined in Section 15.205, in particular, for spurious emissions at the upper bandedge, in the 2483.5 – 2500 MHz restricted band, as well as the 2nd and 3rd harmonics.
3. Please address the following 15.247(a)(1) issues:
  - a. Is each frequency used equally, on average?
  - b. Is the hopping sequence pseudorandom?
  - c. Is the associated receiver input bandwidth approximately equal to the transmit bandwidth?
  - d. Does the associated receiver have the capability to hop in sequence with the transmitted signal?
4. Please address Sections 15.247(g) and (h).

Once these issues are addressed, we can go further. If you have any questions, please let me know.

Regards,

Marianne  
checklist.doc