

**From:** Dan Huynh [dan@ultratech-labs.com]  
**Sent:** Wednesday, November 15, 2006 3:59 PM  
**To:** TEI  
**Cc:** Gretchen Torres; Bruno Clavier; Tri Luu  
**Subject:** Celltronik Microwave - FCC ID: UJ8CA110628  
**RE:** Celltronik Microwave – FCC ID: UJ8CA110628  
Reference: JOB 3076UC6

In reply to your recent questions:

1. Antenna spurious conducted emissions test is required for each type of modulation. Please see FCC guidance document page 4/4

[Pre-scans performed with modulation\(s\) and unmodulated provide no distinction in spurious conducted emissions, therefore, test was performed without modulation and it shall represent for all different modulation\(s\) required.](#)

2. Occupied bandwidth: It is difficult to tell whether the spectral shape of the output looks similar to the input particularly for compliance at the band-edges. Please provide additional info showing that the output signal will comply with the out of band emissions requirement at the band-edges.

[To comply with band-edges requirement, additional tests were performed; the results indicated that the downlink band 2110-2170 MHz needed to be revised to comply with band-edges requirement. The new downlink band shall be 2115-2170 MHz; all required tests were then performed at lowest frequency \(2117.5 MHz\) in the downlink band. This change will affect the following exhibits which are provided in the attachments:](#)

[Cover Letter](#)  
[Test Report](#)  
[FORM 731](#)  
[User Manual](#)

[Similarly, revised exhibits for the IC filing \(Cover Letter, Test Report, Appendix I-II, Annex A-B and User Manual\) are also provided in the attachments to address the new downlink band.](#)

3. For this particular equipment class, the FCC requires that we submit a separate RF Exposure exhibit. Please submit a separate file that explains the RF Exposure details for this device.

[See attachments for RF Exposure exhibit.](#)

Should you have further questions please contact me.

Best regards,

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