

## **Marianne Bosley**

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**To:** Liming Xu  
**Subject:** #12938A - Celletra - LPA

Liming,

Below are some TCB Review questions. Please address as soon as possible so that we can keep to the commitment time of the end of this week. Thank you.

RT Questions:

1. In Section V (B) of the test report, under **Intermodulation Spurious Emissions at Antenna Terminals** in the Results section (page 23 of 34), the limit is incorrectly calculated. Pursuant to Section 24.238(a), the required attenuation of spurious emissions (including, by FCC policy, intermod products) below the transmitter power level is  $43 + 10\log P$ . This equals a required attenuation of 56 dBc, and not -13.1 dB, as listed in the report (the output power of the tx minus this required attenuation results in an absolute limit of -13.1 dBm). The amounts of measured attenuation of the intermod products listed in this section, -49.5 dBc, -49.83 dBc, -30 dBc and -31 dBc, all fail to achieve the required amount of attenuation. I note that, on the following page, the plots show 2 intermod products, of which the amounts of attenuation shown do not match any of those listed above, however, these values also fail to comply with the requirement. Please address this apparent noncompliance.
2. Is the output power of the EUT continuously variable? If so, what is its lowest output level?

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