

Hi Bill,

Here is my reply to Frank's comments.

1. I don't see any duplicate copies of exhibits when I click on "View Exhibits" on the FCC web site. I guess that this issue is already resolved.
2. As written on the cover letter, the bandwidth values in these emission designators make reference to the channel spacing used by the Reunion system. The 99% occupied bandwidth measured values in the test report are slightly different from these values. This was done in order to clarify which emission designator applies to each different signal.

If this creates a problem, then I don't mind having the emission designator from the KTL report on the Grant.

The :

- 3M3D7W emission designator can be changed to 2M14D9W
- 5M5D7W emission designator can be changed to 4M44D9W
- 6M6D7W emission designator can be changed to 4M28D9W (2 carrier version of 2M14D9W)
- 11M0D7W emission designator can be changed to 8M88D9W (2 carrier version of 4M44D9W).

3. The test report does contain data for the additional modulation modes to be included.

The output power of all 4 new modulation modes was measured in 4QAM, 16 QAM, and 64 QAM. The "1 carrier" power levels are for emission designator 2M14D9W and 4M28D9W. The "2 Carrier" power levels are for the 4M44D9W and 8M88D9W emission designators.

The occupied bandwidths of the single carrier signals were evaluated for the 2.048 Msps (2M14D9W emission designator) and the 4.224 Msps (4M44D9W emission designator). The occupied bandwidth of the 2 carrier signals (4M28D9W and 8M88D9W) can be derived by multiplying the single carrier bandwidth by 2.

The spectrum masks of the 2.048 Msps signal was measured in both single and double carrier mode (2M14D9W and 4M44D9W emission designators) using 4QAM, 16QAM and 64QAM at the lowest and highest possible frequencies. The spectrum masks of the 4.224 Msps signal was measured in both single and double carrier mode (4M28D9W and 8M88D9W emission designators) using 4QAM, 16QAM and 64QAM at the lowest and highest possible frequencies.

The conducted spurious emissions both single and dual carrier signals in worst case configurations (4QAM has highest power Tx). The same was performed for radiated emissions.

The frequency stability measurements were done without modulation.

4. The power levels listed on the Grant are composite power levels. A power meter was used to measure the power output of the dual carrier signals while both carriers were enabled.

Regards

**Denis Lalonde**

Product Integrity

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**C-MAC Engineering Inc.**

-----Original Message-----

**From:** William Graff [SMTP:whgraff@qwest.net]

**Sent:** Monday, January 08, 2001 8:32 AM

**To:** Lalonde, Denis [KAN:C148:EXCH]  
**Subject:** AB6CTR2807M  
**Importance:** High

Denis,

I received the attached note from Frank Coperich. Frank is asking for clarification of emission designators, modulation modes, and power output. Please let me know.

Bill

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