

From: Emc [emc@itl.co.il]

Sent: Thursday, January 10, 2008 10:19 AM

To: tei@timcoengr.com

Cc: Leonid Pakman

Subject: RE: TIMCO-TCB/Request for additional information - MOBILE ACCESS NETWORKS -
FCC ID: OJFMA860WCE Timco Job Number 3674IC7

Hi Bruno,

1. The following is the response to your Dec. 3, 2007 email which included comments to the original application of OJFMA860WCE, based on our recent telephone conversation and correspondences.
2. We plan to upload all the revised reports, Forms 731, and exhibits by 14 January 2008.
3. Concerning item 1:
The 860M with WCE is not a repeater. This device is an external radio frequency amplifier (ERFPA).
4. Concerning item 2:
We will upload new Forms 731, 2 for each Access Point (1 for 2.4 GHz transmitter; 1 for 5 GHz transmitter) application including separate reports.
5. Concerning item 3:
We will upload:
 - a. Photos showing the label locations on each access point
 - b. Photos showing the label locations on the combiner box and amplifier box. **All 5 FCC ID#'s will be placed on each box.**
6. Concerning item 4:
The 860M With WCE will be marketed only as a system with the 5 tested access points. The user manual and external packaging include a notification of which access points are to be used with the 860M With WCE.
Concerning labeling, see item 5 above.
A reversed polarity connector is used on the access points' RF output, to satisfy unique coupling with the 860M.
7. Concerning item 5:
As already discussed and agreed before, the cellular/PCS devices signals are not routed via the amplifier (only 802.11 signals). **Therefore no Parts 22/24 tests are required.**
8. Concerning item 8:
Only maximum output power as detailed in the device test report will be on the two forms 731 (1 for each transmitter), for each of the 5 access points.
9. Concerning item 7:
Upper and lower tested frequencies will be listed in the forms 731 separately for each transmitter of each of the 5 access points.
10. Concerning item 8:
We took new photos with better resolution which will be uploaded.
11. Concerning item 9:
Separate reports for Section 15.247 and 15.407 will be uploaded.
12. Concerning item 10:
Additional testing of a 3rd operation frequency for each NII band was completed and included in the test reports.
13. Concerning item 11:
Spurious radiated emission results are detailed in Sections 4; 5 of each new test report.

14. Concerning item 12:

- a. Section 10 shows data for conducted test for 2.4 GHz band edges.
- b. Spurious radiated emission tests (section 5) included the 2,4385 MHz to 2,500 MHz restricted band.

15. Concerning item 13:

Band edges at 5.250 GHz when operating at 5.24 GHz were retested for all 5 access points to show compliance with 20 dBc requirement. See Section 11 of the new reports.

16. Concerning item 14:

Spurious radiation levels results are included in sections 4; 5 of each new test report.

17. Concerning item 15:

Tester name and signature was added for all tests in the new reports.

18. Concerning item 16:

The test setup diagram describes the 2nd configuration (860M and WCE+1000). The MA2000 product family is identical to the MA1000 product family as far as it concerns to the 860M and WCE interface. This is why we are stating that all described configurations (860M and WCE stand alone, 860M and WCE+1000, 860M and WCE+2000) are supported.

Both the MA-1000 and MA-2000 handle cellular services and have their own FCC ID # approval.

Also see the response to item 5 above, explaining that cellular service testing is not applicable for these applications.

19. Concerning item 17:

It is stated in the test reports and user manual that the maximum antenna gain is 7dBi. Any 3PE antenna of equal or lower gain as required by the FCC can be used.

See revised information concerning antennas in Section 3.4.1 of the revised user manual.

20. Concerning item 18:

The revised user manual (Section 3.5.1) includes the list of all 5 access points.

21. The following exhibits are common to all 5 applications:

- External photos of the 860M and WCE units
- Internal Photos of the 860M and WCE units
- FCC Labels for 860M and WCE units
- Operational description
- Block diagram
- Parts Lists
- Schematics

Test setup photos file also includes conducted tests setups of all 5 access points.

Regards

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