



Global Product Certification
EMC-EMF Safety Approvals

Timco Engineering, Inc
TCB Application Form 731

14th April 2011

**Application for FCC Certification Part 15 Class B, FCC ID: MOQ-LF700, Battle suit
Additional Information Request, Reference: JOB 689AU11**

Dear Sir or Madam:

I refer to your email on 13th April 2011 about the additional information requested.

1. CONFIDENTIALITY REQUEST: Please include the following in the confidentiality request "Pursuant to Sections 0.457 & 0.49 of the Commission's Rules"
2. USER MANUAL: The user manual is for starting a business. Please provide a user manual for the Battle Suit.
3. TEST REPORT & GRAPHS EMI:
 - a. Please provide test data, to the tenth harmonic, for all three fundamental frequencies.
 - b. Please provide plots and data to show emissions at 2400 MHz, are 20 dB or more below the fundamental, when transmitting at 2400.54 MHz.
 - c. Please provide plots and data to show emissions, in the adjacent lower restricted band 2310-2390 MHz, are at 54 dB_uV/m average or lower, when transmitting at 2400.54 MHz.
 - d. Please provide plots and data to show emissions, in the adjacent upper restricted band 2483.5-2500 MHz, are at 54 dB_uV/m average or lower, when transmitting at 2480.56 MHz.
4. COMPUTER PERIPHERAL: The external photos show a Laptop as auxiliary equipment. Please provide a JBP Part 15.109 filing for the Battle suit or a Letter of Attestation from the applicant that DoC testing will be performed

Reply:

- 1: An amended Confidential Request file is attached with the requested reference to Pursuant to Sections 0.457 & 0.49 of the Commission's Rules
- 2: An amended User Manual is attached
- 3a: Testing was performed with the lowest, the highest and with a middle range channel, from 30MHz up to 25GHz. Only the highest results were reported in the final report. We have amended Section 4.5 of the report to clarify this.
- 3b: Please refer to Graph number 7. The limit shown is 54dB_uV/m outside and 94dB_uV/m within the allocated band. Testing was performed in average mode (above 1GHz). The peak was measured at 88.6dB_uV/m and the spurious emissions outside the band was below 54dB_uV/m (= more than 20dB below the fundamental).
- 3c: Refer to reply 3b and 3a. There were no emissions found above 54dB_uV/m in the restricted band 2310-2390MHz. Graph 3 and 4 show the worst case emissions for the 1-18GHz frequency range.
- 3d: Refer to reply 3a. There were no emissions found above 54dB_uV/m in the restricted band 2483.5-2500MHz. Graph 3 and 4 show the worst case emissions for the 1-18GHz frequency range, Graph 9 shows the carrier with surrounding levels.
- 4: The Battle suit is not connected to a PC. No Lap top is needed for the Battle suit. We have removed the auxiliary photo of the lap top.

Best regards,

Ch. Kai

Christian Kai
Facility Manager
EMC Technologies Pty Ltd

Melbourne	Sydney	Brisbane	Auckland (NZ)
176 Harrick Road	Unit 3/87 Station Road	1/15 Success Street	47 MacKelvie Street
Keilor Park Vic 3042	Seven Hills NSW 2147	Acacia Ridge Qld 4110	Grey Lynn Auckland
Tel: +61 3 9365 1000	Tel: +61 2 9624 2777	Tel: +61 7 3875 2455	Tel: +64 9 360 0862
Fax: +61 3 9331 7455	Fax: +61 2 9838 4050	Fax: +61 7 3875 2466	Fax: +64 9 360 0861