



# SUMMARY EMC TEST LETTER

Hermon Laboratories has completed the testing per LEHEMC\_MIL.461F\_TP based on MIL-STD 461F: 2007 and SAE J1113-13: 2002, as well as per LEHEMC\_MIL.1275B\_TP based on MIL-STD 1275B: 1997. The following tests were performed:

| Section of standard              | Test performed  |
|----------------------------------|---|
| <b>MIL-STD 461F</b>              |   |
| Section 5.5                      | CE102, conducted emission measurements  |
| Section 5.17                     | RE102, electric field radiated emission measurements  |
| Section 5.7                      | CS101, conducted susceptibility to electromagnetic interference induced onto power leads                              |
| Section 5.13                     | CS114, conducted susceptibility, bulk cable injection   |
| Section 5.20                     | RS103, radiated susceptibility to electric field  |
| <b>SAE J1113-13</b>              |   |
| Sections 4, 5                    | Immunity to electrostatic discharge (ESD): 4 kV, 15 kV, 18 kV (air discharge) / 4 kV, 8 kV, 10 kV (contact discharge) |
| <b>MIL-STD 1275B</b>             |   |
| Sections 5.1.2.1, 5.1.3.1, 5.2.1 | Steady-state input voltage  |
| Section 4.3                      | Polarity reversal   |
| Sections 5.1.2.2, 5.2.2, 3.1.6   | Voltage ripple imported into the EUT  |
| Sections 5.1.2.3, 5.2.3, 5.4.2.4 | Voltage surges imported into the EUT  |
| Sections 5.1.2.4, 5.2.4, 5.4.2.3 | Spikes imported from 28 VDC power network into the EUT  |
| Section 5.4.2.2                  | Spikes exported from the EUT into 28 VDC power network  |
| Sections 3.1.7, 5.1.2.5          | Starting disturbances   |

## Letter Number LEHEMC\_MIL.20843\_L

This summary letter has been verified to the applicant based on the results of tests and evaluations, performed by Hermon Laboratories from May 24 to June 2, 2010 that the representative sample of the specified product successfully passed the tests listed above.

### Product description

**Tested item:** Automatic Fire Extinguishing System (AFES)  
**Model:** Multi Zones Automatic Fire Extinguishing System 2.0

### Applicant/Manufacturer details

**Name:** Lehavot Production and Protection (1995) Ltd.  
**Address:** Kibbutz Lehavot Habashan 12125, Israel  
**Telephone number:** +972 4690 5020  
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Measurement/test results are contained in the test reports: LEHEMC\_MIL.20843\_461F\_TR\_rev1, LEHEMC\_MIL.20843\_1275B\_TR.

The comments in the associated test reports shall be taken into account and used in conjunction with this letter.

**Michael Nikishin,**  
**EMC & Radio Group Manager**  
Hermon Laboratories Ltd.  
August 25, 2010

#### EXPERTS IN GLOBAL COMPLIANCE SOLUTIONS



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