



Test report

Number: T211-0305/15
Project file: C20151266
Date: 2015-06-03
Pages: 3

Product: Satellite Communication Terminal

Type reference: BlueTraker VMS

Ratings: /

Trademark: BlueTraker

Applicant: EMA d.o.o.
Mariborska cesta 1c, SI-3000 Celje, Slovenia

Manufacturer: EMA d.o.o.
Mariborska cesta 1c, SI-3000 Celje, Slovenia

Place of manufacture: EMA d.o.o.
Mariborska cesta 1c, SI-3000 Celje, Slovenia


Summary of testing

Testing method: MIL 810G:2008
Temperature: T_{max} = +85°C, T_{min} = -40°C

Testing location: SIQ Ljubljana, Tržaška cesta 2, SI-1000 Ljubljana, Slovenia

Remarks: Date of receipt of test items: 2015-06-02
Number of items tested: 1
Date of performance of tests: 2015-06-02
The test results presented in this report relate only to the items tested.
The product complies with the requirements of the testing methods.

Tested by: Mirko Čoko


Approved by: dr. Miha Otrin


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1 TEST EQUIPMENT

- Climatic (temperature/humidity) chamber Vötsch Industrietechnik type VCS3 7100-5 (2015-08-12).

Note: The date of the recommended recalibration is given for each measuring instrument (in brackets).

2 EQUIPMENT UNDER TEST (EUT)

Satellite Communication Terminal BlueTraker VMS (Figure 1) was subjected to climatic test according to standard EN 60068-2-14:2009. The sample was operating during the test.



Figure 1

3 TEST CONDITIONS

Change of temperature (MIL 810G:2008))

The sample was placed into climatic chamber (Figure 2). The sample was operating during the test and monitored via PC provided by applicant (Figure 3).



Figure 2



Figure 3

Procedure:

- Temperature: $T_{\max} = +85^{\circ}\text{C}$, $T_{\min} = -40^{\circ}\text{C}$,
- Dwell time at T_{\max} and T_{\min} : 4 hours,
- Transfer duration 1 hour between T_{\max} and T_{\min} ,
- Test duration: 1 cycle.

Temperature graph measured in climatic chamber is presented in Figure 4.

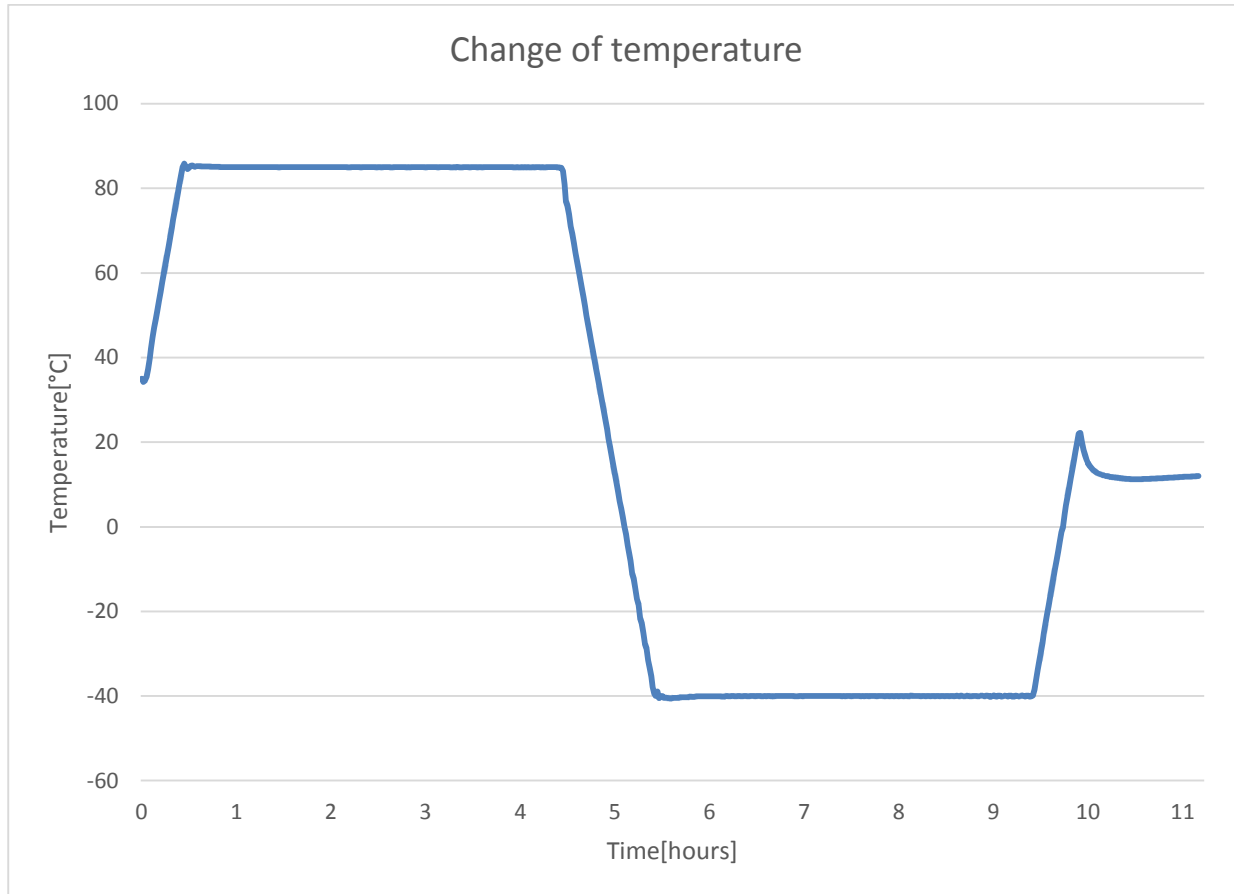


Figure 4

4 CONCLUSIONS

During and after the test the sample was operating without disturbance.

The EUT successfully passed the test.