

# Directive 1999/5/EC – Notified Body Statement of Opinion

Document No: 20091203W510A- TC8378  
Date: 2009-12-03



Underwriters Laboratories Inc.; 333 Pfingsten Rd.; Northbrook, IL 60062-2096  
Notified Body Number: 0983

Issued To: SEBINE Technology, Inc.  
RN 202, Daedeok Radio Engineering Center, 604  
Tamnip-dong, Yuseong-gu, Daejeon, Korea 305-510

Manufacturer: SEBINE Technology, Inc.  
RN 202, Daedeok Radio Engineering Center, 604  
Tamnip-dong, Yuseong-gu, Daejeon, Korea 305-510

Product Designation: RF Modem

Product Description:

- Model: W510A
  - Class 3 SRD
  - RF Features
    - Frequency : 433.0625MHz ~ 434.7625MHz
    - Channel Spacing : 25KHz
    - Transmitter Power : 10mW
    - Receiver Sensitivity : -116 ~ -120dBm(-116dBm typ.)
    - Modulation : FSK
    - Bandwidth : < 14KHz
  - Antenna Interface: SMA Connector, Impedance 50Ω, Gain 1.3dB
  - Operating Temperature: -10 °C ~ +70 °C
  - I/O Interface:
    - Digital Input : 2Ch. Analog Output with 16 bit resolution (0~5V, 0~10V, 0~20Ma)
  - Current Consumption: Tx 86mA, Rx 80mA,
    - WDT Reset 88mA (@12Vdc)
  - Power Supply: +12Vdc ±10%,
    - Reverse Power/Overvoltage/Overcurrent Protection
  - Weight: 150g (w/o Antenna)
  - Housing: Aluminum
  - Dimensions: 109mm(L)×85mm(W)×18.6mm(H) (w/o Antenna)

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| Scope of Opinion<br>(Essential Requirements) | Applied Specifications /<br>Standards  | TCF Identification                 | Results  |
|--|--|------------------------------------|--|
| Article 3.1(a) - Health                      | Not Provided   | Not Provided                       | No<br>Opinion/Decision<br>Rendered on<br>Health<br>compliance. |
| Article 3.1(a) – Safety                      | EN 60950-1: 2006   | DR50120909AT                       | Complies   |
| Article 3.1(b) - EMC                         | ETSI EN 301 489-1 V1.6.1<br>(2005-09)<br>ETSI EN 301 489-3 V1.4.1<br>(2002-08) | DEMC#DR50120909AX<br>(09082613728) | Complies   |
| Article 3.2 – Radio Spectrum<br>Use          | ETSI EN 300 220-1 V2.1.1<br>(2006-04)<br>ETSI EN 300 220-2 V2.1.1<br>(2006-04) | CBTP-09R-0027                      | Complies   |

*Our opinion in accordance with Annex IV of Council Directive 1999/5/EC on radio equipment and telecommunications equipment and the mutual recognition of their conformity is that the apparatus identified above complies with the requirements of that directive stated in the above scope.*

The Scope of the evaluation and opinion relates to the submitted documents only.

Issued By:

Robert DeLisi  
Underwriters Laboratories Inc.

Reviewed By:

Randy Ivans  
Underwriters Laboratories Inc.