

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

Document No: 20091203W410A- 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: W410A
  - 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 : 4Ch. Opto-Isolated Input  
Up to 2500Vrms, Max.50mA for each channel
  - Current Consumption: Tx 91mA, Rx 86mA,
    - WDT Reset 94mA (@12Vdc)
  - Power Supply: +12Vdc ±10%,
    - Reverse Power/Overvoltage/Overcurrent Protection
  - Weight: 180g (w/o Antenna)
  - Housing: Aluminum
  - Dimensions: 85mm(L)×88.1mm(W)×19.6mm(H) (w/o Antenna, Connector)

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Scope of Opinion (Essential Requirements)	Applied Specifications / Standards	TCF Identification	Results
Article 3.1(a) - Health	Not Provided	Not Provided	No Opinion/Decision Rendered on Health compliance.
Article 3.1(a) – Safety	EN 60950-1: 2006	DR50120909AS	Complies
Article 3.1(b) - EMC	ETSI EN 301 489-1 V1.6.1 (2005-09) ETSI EN 301 489-3 V1.4.1 (2002-08)	DEMC#DR50120909AV (09082613727)	Complies
Article 3.2 – Radio Spectrum Use	ETSI EN 300 220-1 V2.1.1 (2006-04) ETSI EN 300 220-2 V2.1.1 (2006-04)	CBTP-09R-0026	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.