

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

Document No: 20091203W310A- 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: W310A
 - 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 : 8Ch. Opto-Isolated Input
Up to 2500Vrms, Max.50mA for each channel
 - Digital Output : 8Ch. NPN Open Collector Output
Max. 50V and 500Ma for each cahnnel
 - Current Consumption: Tx 124.5mA, Rx 120mA,
 - WDT Reset 130mA (@12Vdc)
 - Power Supply: +12Vdc ±10%,
 - Reverse Power/Overvoltage/Overcurrent Protection
 - Weight: 220g (w/o Antenna)
 - Housing: Aluminum
 - Dimensions: 133mm(L)×72.4mm(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	DR50120909AR	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#DR50120909AW (09082613726)	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-0025	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.