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SLS-630i 915MHz Radio Duty Factor Analysis

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TUV Rheinland of North America
1279 Quarry Lane, Suite A
Pleasanton, CA 94566 USA

To Whom It May Concern:

Ref: Codonics model SLS-1 (marketed as SLS610i, SLS630i, SLS800i) using certified radio module FCC ID: QV5MERCURY6E-M / IC: 5407A-MERCURY6EM

Codonic, Inc. has performed an analysis of the operating cycle times of SLS-1 relative to the two antennas that are driven by the above-referenced certified radio module. We have found the worst case duty factor in each case to be the following:

Antenna/ Location	**Maximum ON Time per Cycle [ms]**	**Minimum Cycle Time [ms]**	**Maximum Duty Factor [%]**	**Notes:**
APAG-0007 / Front Cover	240	3900	6.2%	Fastest scan-print operation.
MIKROE-4503 / Print Path	840	1600	52.5%	Fastest bulk label printing operation.

In each case, the Minimum Cycle Time is limited by the hardware operation of SLS, including engine operations such as inkjet printing and cutting. Since an operator cannot keep up with the engine, cycle times will be substantially longer in real-world operation. As a result, real-world duty factors will be lower than those shown above.

Sincerely yours,

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