

# Statement of Compliance to RoHS 2011/65/EU and EU WEEE Directives RAMP and Bluetooth

## Version 1.5

Laird RAMP and Bluetooth product compliance to environmental protection measures and policies is ensured by material composition test reports and/or compliance declarations provided by suppliers and manufacturers.

The updated RoHS Directive (2011/65/EU or RoHS 2.0) maintains the same restrictions as EU Directive 2002/95/EC but extends the restrictions to include monitoring and control equipment (such as industrial control panels and remote monitoring systems) and medical equipment (analysers, radiotherapy equipment, and laboratory equipment). There are no changes to Laird’s product compliance as a result of this update. The same substances and limits for each substance still apply.

Restriction of Hazardous Substance	Content of Compliance
Lead – Pb	<0.1% (1000 ppm)
Mercury – Hg	<0.1% (1000 ppm)
Cadmium – Cd	<0.01% (100 ppm)
Hexavalent Chrome – (Cr+6)	<0.1% (1000 ppm)
Polybrominated Biphenyls – PBB	<0.1% (1000 ppm)
Polybrominated Diphenyl Ethers – PBDE	<0.1% (1000 ppm)

These Laird products meet the above specification through utilization of exemption as defined below:

Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors (such as piezoelectronic devices) or in a glass or ceramic matrix compound.

## WIRELESS SYSTEMS COMPLIANCE TO ROHS DIRECTIVE

Compliance with the above specifications has been verified by way of internal design controls, Laird declarations, and/or analytical test data.

Laird RAMP and Bluetooth products currently compliant as of the date of this statement include all variations of the following base part numbers (for example, AC4490 covers AC4490-200, -1000, etc):

- AC4490
- AC4790
- PRM240
- BL600-Sx
- BL620-Sx
- BL620-US
- BL652-Sx
- BT730-Sx
- BT740-Sx
- BT800
- BT800-ST
- BT820
- BT830-Sx
- BT85x
- BT860
- BT900-Sx
- BT900-US
- BISMS02BI
- BTM411
- BTM421
- BTM431
- BTM441
- BTM443
- BTM511
- TRBLU23-00200
- BRBLU03-01A0
- CL4490
- CL4790
- RM186
- RM191
- RM024

## WIRELESS SYSTEMS COMPLIANCE TO THE WEEE DIRECTIVE

Wireless Systems produces RF electronic sub-assemblies and end-user equipment. Most of these electronic sub-assemblies are integrated into end-user equipment by our customers or by someone further along the supply chain. Some products manufactured and sold by Wireless Systems are classified as end-user equipment such as the ConnexLink and ConnexModem products.

Wireless Systems equipment is typically used in one of the following system installations:

- As part of a fixed installation.
- Equipment used for servers, storage/storage array and network infrastructure equipment for switching, signaling and transmission.

Based on these defined uses, Wireless Systems products are not covered by the WEEE Directive. If the end user is **not** as defined above, please ensure the product desired is included within this statements RoHS compliant product list. Wireless Systems will continue the conversion of existing products to RoHS compliance and to assist our customers, Wireless Systems will accept the return of any Wireless Systems equipment and process this using an approved recycling agent. Wireless Systems may charge a fee for this service.

## REACH

Based upon our suppliers' declaration of conformity, Laird declares that the products listed above have been manufactured in compliance with the regulation concerning Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH), in regards to the information on substances in the product. In the case where a concentration therein is above 0.1% weight by weight (w/w), Laird will provide customers with the information to allow safe use of the product, if applicable.

Compliance with REACH has been verified via the suppliers' design controls and/or analytical test data.

Refer to the table located at the following site for the most updated REACH Candidate List:

<http://echa.europa.eu/web/guest/candidate-list-table>

Sincerely,



Jonathan Kaye  
Product Director  
Laird Connectivity Products Business Unit

## Revision History

Revision	Date	Description	Approved By
1.0	Nov 2014	Initial Version	Jonathan Kaye
1.1	20 July 2015	Change from physical REACH substance list to a link to the current list from the ECHA website. Updated compliance text	Jonathan Kaye
1.2	19 Sept 2016	Added current products	Sue White
1.3	12 Jan 2017	Updated product list	Jonathan Kaye
1.4	18 Sept 2017	Re-added the CL024	Jonathan Kaye
1.5	30 Jan 2018	Added the BT85x and BT860	Jonathan Kaye