



**Compliance to RoHS Directives and JESD97 Standard**

Sierra Monolithics Inc. (“SMI”) is committed to protect its employees and the surrounding communities from hazards related to our activities and products by complying with all applicable environmental, government, safety, health laws and regulations. This shall be accomplished by the participation of all employees and suppliers through the promotion of environment, safety and health awareness and pollution prevention programs to continuously work towards a pollution-free environment.

Sierra Monolithics Inc. (“SMI”) certifies that to its knowledge, the Broadband Wireless Products listed below conform to the requirements of the European Union’s Restriction on Use of Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive 2002/95/EC for the substances and their respective maximum limits shown in Table 1 and for the substances documented in the European Union’s Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC; and such products are designed to meet the higher temperature reflow required for lead-free processes.

Products:

- SMI7035
- SMI7030

Definition	Substances	Maximum Allowable Limit
<b>Lead Free</b>	Lead (Pb)	1000 ppm
	Lead (Pb)	1000 ppm
<b>RoHS-Compliant</b>	Mercury (Hg)	1000 ppm
	Cadmium (Cd)	100 ppm
	Hexavalent Chromium (Cr+6)	1000 ppm
	Polybrominated Biphenyl (PBB)	1000 ppm
	Polybrominated Diphenyl Ether (PBDE)	1000 ppm
<b>Green</b>	Lead (Pb)	1000 ppm
	Mercury (Hg)	1000 ppm
	Cadmium (Cd)	100 ppm
	Hexavalent Chromium (Cr+6)	1000 ppm
	Polybrominated Biphenyl (PBB)	1000 ppm

	Polybrominated Diphenyl Ether (PBDE)	1000 ppm
	Bromine (Br)	900 ppm
	Chlorine (Cl)	900 ppm
	Antimony (Sb)	900 ppm
	Phosphorus (P)	Not Intentionally Added
	Tributyltin Oxide (TBTO)	Not Intentionally Added

Table 1

This definition is restricted only to the product and does not include packaging materials such as IC trays, plastic bands, plastic covers, paper-based boxes, blister tapes, etc.

Certified by  
Matt Pope  
Vice President, Wireless Broadband Products  
December 12, 2005

Notwithstanding any of the above, information provided by SMI on its website or in this or other communications concerning the substance content of its products represents our knowledge and belief as of the date that it is provided. We base our knowledge and belief on our understanding of the above-noted standards and the materials that go into our products as of the date hereof, and on information provided by subcontractors and other third parties, and we make no representation or warranty as to the accuracy of such information. SMI has taken reasonable steps to provide representative and accurate information, but may not have conducted destructive testing or chemical analysis on incoming materials. This Environmental Compliance Certificate does not constitute a warranty or otherwise amend or supplement SMI's Standard Terms and Conditions of Sale, which governs all warranty and any other product sale terms.

## Reference Green Legislation and Trends:

### Europe

European Commission Electrical and Electronic Proposed Waste directive:

Adopted WEEE proposal, 8 Nov 2002.

Article 4: Member States shall ensure that the use of Lead, Mercury, Cadmium, Hexavalent Chromium, PBB and PBDEs is substituted on 1 July 2006.

### United States

Environmental Protection Agency (EPA)

Has taken regulatory action to remove lead from common consumer products such as gasoline, plumbing and paint products and impose strict management requirements on lead acid batteries to prevent disposal in the solid waste stream.

### Japan

Major OEMs and component suppliers announce efforts to remove Lead from their electronic products by 2002.

### Green Package BOM

Lead-free Information

Material CU, C7025

100% Matte Tin Finish

Complete green package material sets are already qualified:

Lead frame (CU, 100% TIN MATTE FINISH)

Molding Compound (G770C)

Die Attach (A2200)

- Green lead frame packages are qualified to MSL3 at 260C.
- Green package process is in place for qualification of additional green material set options.
- Green package programs are in full production with several major customers.