QSC™

QSC AUDIO PRODUCTS, LLC

Passionate About Sound

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China RoHS EFUP determination for QSC Audio

The EFUP is defined in the ACPEIP (Administration on the Control of Pollution caused by Electronic Information Products) in Article 3 as *"The term during which toxic and hazardous substances or elements contained in electronic information products will not leak out or mutate, thus eliminating the possibility of serious environmental pollution resulting from the use by users of electronic information products or serious harm to their persons and properties resulting from such use".*

There are six methods for determining the EFUP split into two categories.

Technical based EFUP

1. The Practical Method
2. Experimental or Scientific Method

Theoretical based EFUP

1. Safe Use Period Method
2. Technical Lifetime Method
3. Comparison Method
4. Tabular Method

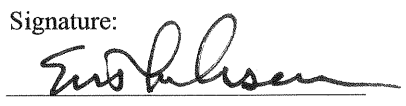
QSC has chosen the Practical Method for the EFUP. The Practical use Method states that: *"Under the normal use condition of the EIP, when the number of cases of leakage or mutation of toxic and hazardous substances exceeds 5 units/case [ie, per location where used] , the shortest rounding number of year is the Technical EFUP of this product".*

QSC has manufactured electronic audio products since 1968 using the same general types of components (dry transformers, aluminum electrolytic capacitors, film and ceramic capacitors, resistors, semiconductors in metal and epoxy packages, FR-4 fiberglass PCBs, steel and aluminum chassis parts, nylon and ABS plastic moldings). These components contain no toxic materials, nor do they mutate into toxic substances. There are no known cases of QSC products leaking any substance whatsoever due to normal aging over this 39 year period, nor has this been observed in vintage audio electronics built 50-70 years ago. Current QSC products meet all requirements of the RoHS standard, eliminating use of the six toxic materials defined therein. Therefore it is our finding that QSC products built since July 2006 have little if any probability of emitting any toxic substance whatsoever, and we therefore declare that our products qualify for the maximum EFUP of 50 years.

In support of this finding, we observe that our products are built for a long service life, exceeding 20 years under normal conditions, with further lifetime extension if maintained. Being designed for professional use, our construction and design standards resemble those used for Network Communication Equipment, shown with a 50 year EFUP in Annex A of the regulatory document.

Signature: 

Patrick H. Quilter
VP/Engineering

Signature: 

Eric T. Andersen
VP/Manufacturing Operations

Date: 1-17-2008

Rev B