

RoHS Plating Compliance

This document refers to the following TTM RF&S products:

- ENIG or Tin-Plated Xinger-branded Components
- Wireless Resistive Components¹
- Anaren Integrated Radio (AIR) Modules

Xinger-branded components using Immersion Tin plating ("S" version), ENIG plating ("G" version), and Wireless Resistive Components ending in "4/4B" or "S" are 6 of 6 **RoHS compliant**.

Xinger-branded components using Tin-Lead plating are **NOT** RoHS compliant and under no exemptions.

ENIG or Tin-Plated Xinger-branded Components, Wireless Resistive Components¹, and Anaren Integrated Radio (AIR) Modules are compliant to European Union directives on the **Restriction of Hazardous Substances (RoHS)** in electrical and electronic equipment:

- **RoHS 1** - Directive **2002/95/EC** of the European Parliament and of the Council of 27 January 2003.
- **RoHS 2** - Directive **2011/65/EU** of the European Parliament and of the Council of 8 June 2011.
- **RoHS 3** - Commission Delegated Directive **2015/863/EU** of 31 March 2015.

RoHS 3 Restricted Substances and Limits

Substance	Limit
Lead (Pb) ¹	1000 ppm
Mercury (Hg)	1000 ppm
Cadmium (Cd)	100 ppm
Hexavalent chromium (Cr6+)	1000 ppm
Polybrominated biphenyls (PBB)	1000 ppm
Polybrominated diphenyl ether (PBDE)	1000 ppm
Bis(2-ethylhexyl) phthalate (DEHP)	1000 ppm
Butyl benzyl phthalate (BBP)	1000 ppm
Dibutyl phthalate (DBP)	1000 ppm
Diisobutyl phthalate (DIBP)	1000 ppm

¹ Wireless Resistive Components are RoHS-Compliant with Exemption 7(c)-I - Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

TTM RF&S actively works with suppliers to ensure continued compliance with RoHS legislation. Should any restricted substance be found in any TTM RF&S product above the restricted limit, TTM RF&S will work diligently to move this component to immediate compliance.

I hereby certify that the information provided in this form is accurate and complete. I further certify that I or another representative of our company will post notification through our distribution partners and/or our corporate website within ten (10) business days of determining that any information is no longer accurate with regard to the described part(s) covered in this document.

Brian Dallos
Product Line Manager
TTM Technologies



04/28/2025

Signature

Date