



OCT 23, 2023

### MTBF Declaration

To Whom It May Concern:

A calculation was performed using a predictive method per Telcordia SR332 Issue 2.

<b>Product:</b> SGX 5150 MD
<b>Environment:</b> Ground Benign, Controlled

To Whom It May Concern:

SKU	Failure Rate @30C	MTBF @30C (Hours)	MTBF @30C (Years)	Failure Rate @85C	MTBF @85C (Hours)	MTBF @85C (Years)
SGX51501M2BES	881	1,000,000	114	14,353	69,673	7.95
SGX51501M2BUS						
SGX51501M2ES						
SGX51501M2US						
SGX51501M2VES						
SGX51501M2VUS						
SGX51502M0ES-01	902	1,000,000	114	14,515	68,894	7.86
SGX51502M0US-01						
SGX51502M2ES						
SGX51502M2US						
SGX51502M3ES-01						
SGX51502M3US-01						

### Definitions

**Failure Rate (FIT):** Failures per billion hours. The total number of failures within an item population per the total number of life units expended by that population during a measurement interval under stated conditions.

**Failure:** The events, or inoperable state, in which any item or part of an item does not, or would not, perform as specified.

**MTBF:** Mean time between failures. This is an average value of time between successive outages of the system.

Tony YAN

Tony.Yan  
QA.Engineer  
Lantronix, Inc.