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Reliability Prediction Report

Summary of reliability prediction

1. **Date : 2025.10.27**

2. **Prediction item : RealScan SG10**

3. **Quantity : 1**

4. **Results**

Model	Failure Rate	MTBF
RSSG10	878.353235	1,138,494

FITs (Failure unit) = Failures per billion (10^9)hours

5. **Analysis software and prediction standard**

Software name	Windchill Quality Solutions – Windchill Prediction
Software version	Windchill Risk and Reliability 13.0.0.0
Prediction standard	Telcordia SR-332 Issue 4

6. **Calculation Parameters**

- Calculation Method: Telcordia SR-332 Issue 4
- Environment: Ground Fixed, Controlled (GB)
- Operating Temperature: 40℃
- Electronic Stress Ratio: 50% (Voltage, Current, Power)

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Reliability Prediction Summary

File Name: RealScan SG10.rfp
System: RSSG10
Ref Des:
Description: REALSCAN SG10,V00D

Failure Rate: 878.353235
MTBF (hrs): 1,138,494
Temperature: 40
Environment: GB, GC - Ground Benign, Controlled

Assembly Name	Part Number	Ref Des	Quantity	Failure Rate	MTBF
RSSG10	RSSG10		1	878.353235	1,138,494
RSSG10-MAIN-V00C	RSSG10-MAIN-V00C		1	147.594319	6,775,329
RSSG10-UI-V00C	RSSG10-UI-V00C		1	331.586767	3,015,802
RSSG10-BLU-ASSY-V01A	RSSG10-BLU-ASSY-V01A		1	472.397509	2,116,861

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