Reliability Prediction Report

Summary of reliability prediction

1. **Date : 2025.11.12**

2. **Prediction item : RealScan SG10i**

3. **Quantity : 1**

4. **Results**

Model	Failure Rate	MTBF
RSSG10i	880.659258	1,135,513

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 SG10i V01A.rfp
System: RSSG10I
Ref Des:
Description: REALSCAN SG10i,V01A

Failure Rate: 880.659258
MTBF (hrs): 1,135,513
Temperature: 40
Environment: GB, GC - Ground Benign, Controlled

Assembly Name	Part Number	Ref Des	Quantity	Failure Rate	MTBF
RSSG10i	RSSG10I		1	880.659258	1,135,513
RSSG10-MAIN-V01A	RSSG10-MAIN-V01A		1	149.911717	6,670,593
RSSG10-UI-V01A	RSSG10-UI-V01A		1	331.586767	3,015,802
RSSG10-BLU-ASSY-V01A	RSSG10-BLU-ASSY-V01A		1	472.397509	2,116,861

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