



Mar 27, 2026

**ENV-00401, REV A  
MTBF Declaration**

To Whom It May Concern:

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

<b>Product: FOX4</b>		
<b>Environment:</b> Ground Benign, Controlled		
<b>Temperature:</b>	<b>30 °C</b>	<b>85 °C</b>
<b>Failure Rate (FIT):</b> F43H102S	1,119.3	11,787
<b>MTBF(Years):</b> F43H102S	101.99	9.68
<b>Failure Rate (FIT):</b> F43H20FS	1,119.3	11,787
<b>MTBF(Years):</b> F43H20FS	101.99	9.68
<b>Failure Rate (FIT):</b> F43H50FS	1,164.99	12,881
<b>MTBF(Years):</b> F43H50FS	97.99	8.86
<b>Failure Rate (FIT):</b> F44H502S	1,226.8	1,4029.9
<b>MTBF(Years):</b> F44H502S	93.05	8.14

Affected SKU:

SKU	Description
F43H102S	FOX4, EMEA, LTE M & NB2 BANDS 1, 2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 25, 26, 28, 66, 85, 2G FB, GNSS, WIFI 4, BLE 4.2, ACC., INT. & EXT. ANT., MINI SIM, RS232, 3 I/O, I2C, RTC, 1 WIRE, BAT-01
F43H20FS	FOX4, WW, LTE M & NB2 BANDS 1, 2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 25, 26, 28, 66, 71, 85, GNSS, WIFI 4, BLE 4.2, ACC., INT. & EXT. ANT., MINI SIM, RS232, 3 I/O, I2C, RTC, 1 WIRE, BAT-01
F43H50FS	FOX4, WW, LTE M & NB2 BANDS 1, 2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 25, 26, 28, 66, 71, 85, WIFI 4, BLE 4.2, GNSS, ACC., INT. & EXT. ANT., MINI SIM, RS485, 3 I/O, I2C, RTC, 1 WIRE, BAT-01
F44H502S	FOX4, EMEA, LTE CAT 1 BANDS 1, 3, 7, 8, 20, 28, 3G 1& 8, 2G 3 & 8, GNSS, WIFI 4, BLE 4.2, ACC., INT. & EXT. ANT., MINI SIM, RS485, 3 I/O, I2C, RTC, 1 WIRE, BAT-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

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