SIERRA WIRELESS PRODUCT CHANGE NOTICE

OVERVIEW

DATE ISSUED:	July 25th, 2022	**TRACKING NUMBER:**	4134946
ISSUED BY:	IoT Solutions Product Management		
PRODUCTS AFFECTED:	FX30 LTEM1, FX30S LTEM1, FX30 LTE1-NA, FX30S LTE1-NA, FX30 LTE1-EMEA		
SKUS AFFECTED:	The change applies to all active SKUs of the affected products. • FX30 LTEM1: 1104086, 1104534, 1104536, 1104620, 1104665, 1104734, 1104736, 1104738, 1104769, 1104808, 1104833, 1104882, 1104896, 1104899, 1104926, 1105031, 1105072, 1105074 • FX30S LTEM1: 1104542, 1104544, 1104666, 1104701, 1104737, 1104739, 1104771, 1104809, 1104897, 1104900, 1104919, 1104957, 1105032, 1105073, 1105075 • FX30 LTE1-NA: 1104778 • FX30S LTE1-NA: 1104779 • FX30 LTE1-EMEA: 1104627		
BULLETIN:	Introduction of alternate TCXO, and resulting GNSS specification change		
FOR DISTRIBUTION TO:	Customers using the affected products		

Summary

In order to ensure ongoing supply of FX30 and FX30S devices, Sierra Wireless is adding an alternate source TCXO component to the affected products. This alternate TCXO results in degraded GNSS performance as detailed below. Cellular performance is not affected.

Change details

With the new TCXO component, the GNSS sensitivity is degraded as noted:

Metric	Previous Specification	New Specification
Standalone or MS-based tracking sensitivity	-158 dBm	-155 dBm
Cold start sensitivity	-143 dBm	-140 dBm
MS-assisted GNSS acquisition sensitivity	-156 dBm	-153 dBm

This decrease in sensitivity may result in increased positioning error, and may cause satellite signals and positioning information to be lost more easily, particularly in areas with reduced GNSS satellite signals such as when passing through tunnels or under overpasses, on cloudy or rainy days, etc.

Timeline

The new TCXO will be implemented in devices produced starting in August 2022.

More information

For more information, please contact your Sierra Wireless sales/technical support representative.