



Description: 2019 GPS Week Rollover

Date: 10/3/2019

Version: 1.1

Tags: uBlox GPS, WWAN

Detailed Information:

The Global Positioning System provides positioning fixes and timing information to GPS receivers. The timing information includes a 'week' component represented as an integer value from 0–1023. This value will 'roll over' on 03 November 2019. As a result, the time reported to customer applications by GPS modules will be incorrect. (Note: Positioning fixes will not be affected.)

Detail affect units list:

Manufacturer	Sierra			u-blox	Leadtek
Toughbook Model	CF-54 mk1,2, CF-20 mk1, CF-31 mk3,4, FZ-G1 mk1-4, FZ-M1 mk1,2	CF-33, CF-54 mk3, CF-20 mk2, CF-31 mk5, FZ-G1 mk5, FZ-M1 mk3 with WWAN GPS.	Other models with WWAN GPS	All models with dGPS except CF-31 mk1-3, CF-19, CF-52, CF-53	CF-31 mk1-3, CF-19, CF-52, CF-53 models with dGPS
Module	MC7355/MC7305 EM7355/EM7330/EM7305	EM74xx EM75xx	MC77xx MC83xx	NEO-M8N	LR9548S LR9101
Issue exists?	Yes (After 2019/11/3)	No	Yes	No	No
If yes, countermeasure?	For mass production, running change after Jan. 2019 https://source.sierrawireless.com/resources/airprime/software/airprime-em_mc-series-gps-week-rollover/	N/A	No support	N/A	N/A

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Download link for Sierra EM 7355 module:

https://source.sierrawireless.com/resources/airprime/software/airprime-em_mc-series-gps-week-rollover/

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