

### **S321 5.3Aa13 to 5.6Aa3 Release Notes**

Improved robustness for signal acquisition at start up resolving potential location errors or location output failures

Bug Fix for BIN1 quality status message

GLONASS tuning at startup for Athena RTK

EGNOS PRN values updated

Atlas Onshore database updated to include Jersey Island and Guernsey Island

RAIM support in Athena RTK and Atlas

50 Hz processing support

QZSS support

Improved robustness for Athena RTK and Atlas in difficult environments

Better CPU and power utilization

Extended NMEA message support for multi-GNSS

Faster signal acquisition and more robust tracking performance

Allow manual mark output for Hemisphere binary observation messages

Support configurable output rates for Hemisphere binary ephemeris messages

NMEA GSV message support for QZSS

Update leap second information for Jan 1, 2017 leap second

Default RTCM3 message output to MSM4 for base stations that support BeiDou or Galileo

Bug fix in Athena RAIM algorithm

Athena RTK performance improvements for multi-frequency products

SmartLink performance improvements

Minor changes to QZSS NMEA support and almanacs

Bug Fix: Sending data on PORT D causing crash