ENGINEERING CHANGE NOTIFICATION FORM

ECN: 80200541	REV: 1	ISSUE DATE: 11/25/2015

TYPE OF CHANGE: Firmware Modification

DETAILED DESCRIPTION OF CHANGE:
Firmware release 0.36 for the Low Noise Rubidium GNSDO includes functionality improvements in the multi-GNSS support and configuration.

REASON FOR CHANGE:
Functionality improvements

PRODUCTS AFFECTED:

Firmware Versions	Models
Firmware 0.35 and previous	Low Noise Rubidium GNSDO
	Low Noise CSAC GNSDO

AVAILABILITY:

MILESTONE	DATE
ECN release for firmware release files	11/25/2015

Release 0.36 for the Low Noise Rubidium GNSDO boards provides the following improvements:

Issue 1:

The multi-GNSS system select command gps:syst:sel did not support Beidou.

Resolution:

Version 0.36 adds Beidou support that is enabled with the gps:syst:sel bd command.

Issue 2:

The selection of GNSS systems with the gps:syst:sel command did not allow all combinations of systems supported by the multi-GNSS receiver.

Resolution:

Version 0.36 allows combinations of GNSS systems that require up to two RF system frequencies. GLONASS and Beidou require separate frequencies, while GPS, SBAS, and QZSS operate at the same frequency.

Examples of valid combinations include:

GPS, SBAS, QZSS, GLONASS
GPS, SBAS,QZSS, Beidou
GLONASS, Beidou

Sending the gps:syst:sel command with a combination that requires three RF system frequencies will result in a Command Error response.

REFERENCE DOCUMENTS/ATTACHMENTS:

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PLEASE CONTACT JACKSON LABS TECHNOLOGIES, INC. WITH ANY QUESTIONS