



TerraStar L-Band Frequency Changes Scheduled for March 15, 2018

TerraStar correction services are delivered globally to end users over 7 geostationary L-band satellites operated by INMARSAT. The TerraStar L-Band frequencies used by these satellites will be changing starting March 15, 2018. To facilitate a seamless transition for TerraStar users, the L-Band frequency changes will happen in two stages.

Stage 1 is scheduled to start by mid-March 2018 and includes beams 98W, AORE and 143.5E. Stage 2 is scheduled to start by August 15, 2018 and will include the remaining beams POR, AORW, 25E and IOR.

Table 1: TerraStar L-Band Frequency Update

	Beam Name	New Frequency (MHz)	Turn on Date (New Frequency)	Old Frequency (MHz)	Turn off Date (Old Frequency)
STAGE 1	98W	1545.8650	March 15, 2018	1539.9025	May 15, 2018
	AORE	1545.8550	March 16, 2018	1539.9825	May 16, 2018
	143.5E	1545.8350	March 17, 2018	1539.9925	May 17, 2018
STAGE 2	25E	1545.8250	August 15, 2018	1539.8825	October 15, 2018
	AORW	1545.9550	August 16, 2018	1539.8925	October 16, 2018
	IOR	1545.8650	August 17, 2018	1539.9025	October 17, 2018
	POR	1545.9050	August 18, 2018	1539.9425	October 18, 2018

With the start of Stage 1, the updated L-Band beam tables will be periodically broadcast across all beams. TerraStar users can verify the frequency change by checking the LBANDBEAMTABLE log, which will report the new beam frequency for the affected beams. At the end of each stage, TerraStar correction signals will no longer be broadcast on the old frequencies.

TerraStar users are strongly recommended to turn on L-Band tracking for several hours for the receiver to get the new L-Band beam tables and update the stored L-Band frequencies. Receivers with non-compatible firmware will not be able to track the TerraStar L-Band signal on the new frequencies. Please see our earlier L-band tracking service bulletin, for information on compliant firmware versions:

- <https://www.novatel.com/assets/Documents/Bulletins/TerraStarLBandConfigurationBulletin.pdf>



February 21, 2018

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For latest information and details about the frequency change, please visit the following webpage:

- <https://www.novatel.com/products/correction-services/l-band-frequency-change>

For assistance and further information, please contact support@novatel.com