

OceanTRx4 Ku LNB Replacement Procedure

Document: TEC-OTRx-LNB-001 REV:-



Figure 1-1 Location of LNB

Before You Start



WARNING!

- Only qualified and authorized personnel are allowed to carry out system service/maintenance procedures.
- Do not place any tools or parts on the Base Plate. This may damage the pedestal while it is being repositioned during the replacement procedure.

Before starting the procedure:

- Open the radome hatch. Inside the RADOME, Switch off the ADE Power Box at the Antenna pedestal base.
- Manually rotate the pedestal axes to gain convenient access to the serviced unit.



1. Applicable for P/N: OceanTRx-LNB-005/004/003/002/001-SP

2. KIT Content (OceanTRx-LNB-005-SP)

Quantity	Description	
1	LNB Ku SMW Quad band	

KIT Content (OceanTRx-LNB-004-SP)

Quantity	Description	
1	LNB Ku Dual Band	

KIT Content (OceanTRx-LNB-003/002/001-SP)

Quantity	Description	
1	LNB Ku Norsat single band	

3. Required tools

Tool/Part Name	Figure
Tie cutter	
Open/ring wrench 11,19mm and ³ / ₄ "	
Allen Set metric	



4. Removing the LNB

Step 1.

Disconnect Rx Cable:



Step 2.

Remove the 4 bolts securing the LNB to the feed



Rotate the feed to get access to the bolts on the other side



Step 2.

Remove the LNB and set it a side





5. Installing the Feed

Step 1.

Insert new O-ring on the LNB flange Install the



Pay attention to the waveguide flange orientation



Figure 5-1 LNB O-ring and flange



Step 2. Tighten 4X bolts securing the LNB to the feed.



Step 4.

Connect LNB cable to the LNB:





6. Performing Verification Test

- 1. To make sure the technical process completed successfully, in the **MtsLink** application:
- 2. Make sure no error messages appear in the System Messages window
- 3. Perform Noise floor correction as swow in the system user manual
- 4. Acquire satellite and verify you have proper AGC
- 5. Verify the Modem Rx EbNo and TX power with NOC

This Coordinates		April Decimon		1000	System Status	AGC (dBre)	
Date Time	19-Aug-2013		5.0	+	Mode StepTrack IMU Locked	-40	
Lat	-09*10'39*	50	0	5.0	SalVId IRD Unlock	-44	
Long- Boll	115'50'53"				Polariz BHL-LC	-66	
Pitch	-0.104		4.8			-60	1
Yaw	351.344		1 1291			-76	11
Compass	351.200	Selected Satellit	e and Channel	_		-72	1
		Satellite		NSS9 17	183 ° E 177° W 7 0 West	-74	ł
Artenna Familian		-				+-7E-	1
Azimuth	86.349	Channel				70	1
Elev.	14.144	A.					1
PolSkew	-44.942					AGC -72.89	
		System Message	1.1		1	Thr79.00	
Arizzova Target							
Azimuth	86,165					Laca Pesiton	
Elev	14.104					Az. 95.018	
PolSkew	-45 000					El. 13.518	
		37					



Click on Test Traj