

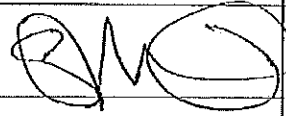


**Field Service Spares Replacement – C-Band Radar Transmit Reject
Filter Kit, VSAT**

Approval:

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Revision History

Rev.	ECO	Description of Change	Date
X1	8877	Initial release	08-18-2011
A	9059	Clerical revisions	10-30-2011

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Field Service Procedure – C-Band Radar Transmit Reject Filter Kit, VSAT

1. Brief Summary:

Troubleshooting document for replacing the radar transmit reject filter on C-Band VSAT antennas.

2. Theory of Operation:

The radar transmit reject filter is used to filter the TX power of the system as well as radar signals, preventing interference with the antennas receive signal.

3. Information:

Pass Band	3.6 to 4.2 GHz	
Pass Band Insertion Loss	0.25 dB Typical	
Pass Band Return Loss	23 dB min	
Rejection	DC to 3.185 GHz	60 dB min
	4.55 to 4.9 GHz	60 dB min
	4.9 to 11 GHz	90 dB min

4. Procedure for Replacing the C-Band Filter:

4.1. Tools.

- 7/16" Wrench/Spanner x2

4.2. Procedure.



Procedure for replacing the C-Band VSAT radar transmit reject filter, Sea Tel kit part number: 135546 (filter part number: 129948-1).

***CAUTION:** Power down the pedestal before following this procedure.

1. Disconnect the coax cable from the LNB using a 7/16" wrench.



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<p>2. Undo the 9 bolts securing the defective filter to the feed assembly (remove the LNB and filter as one).</p> <p>3. Remove the defective Filter from the LNB and install the replacement one.</p>	
<p>4. Install the replacement filter and LNB assembly to the feed of the system noting the alignment of the filter. No need to Loctite the threads as split washers are used on the installation.</p>	
<p>5. Reconnect the coax cable to the LNB.</p>	