Calibrating a Transceiver

Servicing a SuperDARN Transceiver  
Step 13

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# Introduction

This document provides work instructions for calibrating a Transceiver. Before attempting to implement these instructions, be sure to complete all the preceding steps in the procedure for Servicing a SuperDARN Transceiver.

# Instructions

1. For the calibration, replace the AWG input with the dummy load.
2. MAKE SURE YOU HAVE REPLACED THE AWG WITH A DUMMY LOAD !!!
3. Run ./sop and enter 1, then 3 to transmit.
4. Wait for the signal to grow fully on the oscilloscope.
5. Once you hear the switching, press 4 to enter calibration
6. Enter the box node number you wish to calibrate
7. Once calibration is complete, run ./sop and then press ctrl + c to reset the box and do another transmit test to confirm antenna output is 500 Vpp.

# Conclusion

This concludes the work instructions for calibrating a SuperDARN Transeiver. This was the final step in the procedure for Servicing a SuperDARN Transceive.