



Technical Note TN-558

Tait Orca Transmit Audio Modification

01 March 1999

Applicability

This Technical Note applies to all models of the Tait Orca series, except where specifically stated.

The solution for this issue has been incorporated into Tait Orca product from serial number 14013135 onwards.

1. Summary of performance issue.

1) Deviation characteristic over the nominal speech band.

Reason: A high level of audio entering the CODEC, causes an undesirable peak in deviation characteristic, combined with increased transmit distortion.

Solution: Removal of R630 reduces CODEC overdrive, transmit distortion, and flattens transmit deviation characteristic over the nominal speech band.
It is to be noted that recalibration of maximum deviation may be necessary.

2. Issuing authority

Name and position of issuing officer	Durham Sheriff MRD Customer Services Engineer.
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