

Technical Services Memo

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Product Code:	B3 GETC S3
Subject Code:	DA MD EX TX
Part Number:	19C321542
LBI:	30898, 31209, 30488, 31800

CATEGORY: STATIONS

SUBJECT: GETC causes slow TX modulation attack time

Symptoms:

With the application of the 19D904266 "Lightning" GETC to MASTR-II stations using an audio processor board 19C321542 (associated with true FM exciters) TX Audio may be muted for several seconds at key-up. This may cause data errors in EDACS, Voice Guard, or AEGIS systems.

Problem:

A change in load impedance to the audio processor occurs when connected to the new '266 GETC. This in turn causes an instability of the output amplifier AR101 effectively blocking TX modulation.

Field Fix:

Stability may be restored by adding 560 ohms resistance in series with the output pin P102-9. Revision "B" to the G2 audio processor board added R116, 100 ohms, in series with C115 with a mid-air connection. Replace or add R116, 560 ohms 1/4 watt (axial lead) and recheck TX modulation levels.