

# Technical Service Bulletin

Phone: 814-238-2700

## TSB # 17

VertexRSI, State College, PA

Fax: 814-238-2652

Per ECR # 5195

Product(s) affected:

QuadMods: MPCD6800QM.XXXX	Dual Module NEMAs: PCD6S250N PCD6S350N	ModuMax SSPAs: MPCD6500R.XXXX MPCD6800R.XXXX MPCD61000R.XXXX MPCD62000R.XXXX	MPCM6700R.XXXX MPKM14350R.XXXX MPXB8700R.XXXX
PCD-6225 Plug-In Module	PCD-6140 Module/PS PCD-6200 Module/PS	PCD-6070 Plug-In Module PCD-6100 Plug-In Module PCD-6140 Plug-In Module	PCM-6100 Plug-In Module PKM-1450 Plug-In Module PXB-8100 Plug-In Module

Description of problem:

In any version of firmware earlier than (but not including) 1.43 of QuadMOD, ModuMAX, or Dual Module NEMA firmware, if the RF is OFF due to an inhibit, and any power interruption or reset occurs on the main logic board, the amplifier will become muted.

Design change to resolve problem:

New versions of all affected firmware (including the MODULE firmware) have been written to solve this problem. The problem can be mostly solved by updating only the main product firmware. However, if you replace the main logic board while the system is under power (after updating only the main firmware), and the RF is inhibited, the mute control will be set according to the power-up state. If you update both the module and the main firmware, the mute state will be correctly preserved through all power interruption conditions.

Units that must be modified:

See above list.                      Reprogram systems with new firmware.

Units that do not need to be modified:

Any product already using version 1.43 or later firmware.  
Any module already using version 1.21 or later firmware.

Cognizant Engineer:  
Peter B. Trippett

Date:  
10/01/03