

## TECHNICAL NOTE TN-958-AN TM8000 Audio Responses for RX and TX Tap Points

17<sup>th</sup> January 2005

Applicability

Applies to any application that requires interfacing a 3<sup>rd</sup> party device to the TM8000 Transmit or Receiver Audio paths.

## 1. Introduction

The TM8000 provides the ability to input (Figure 1.) and output (Figure 2.) audio at various tap points in the transmit and receive audio paths. This removes the need for tapping wires into the circuitry of the radio.

The 'Tap In' locations and the 'Tap In/Out Type' are configured in the Radio using theTM8000 Programming Application.

TM8100 Programming Ap File Edit Radio Icols Hel					
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Radio Model     TI       Specifications     Pata       Beceiver Monitoring     Data       Selcall Identity     Free Format Bursts       Free Format Bursts     Tone Settings       Control Status     DTMF       DTMF Signalling     Two-Tone Options       Networks     Basis Settings       Prove Pach     Phase Ratio       PTIT Signalling     Emergency       Alets     Alets	Mic PTT EPTT1 EPTT2	CD	Tap In Unmute On PTT On PTT On PTT On PTT On PTT	Tap Out Tap Out Typ None D - Spit None C - Bypass C None C - Bypass C None C - Bypass C	On PTT On PTT On PTT
Channel Setup Channels Channels Scan Groups Key Settings					
UI Preferences Start-up PTT					
Database Version: 0085					

Figure 1.

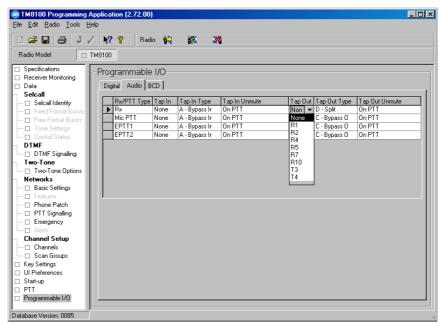


Figure 2.

The diagram in Figure 3. shows the various tap in and tap out points and their corresponding audio responses at those points for the TM8000 mobile radio.

These points can be used to interface various 3<sup>rd</sup> party devices to the product.

This and more detailed information can be found in the 3DK hardware manual MMA-00011-00.

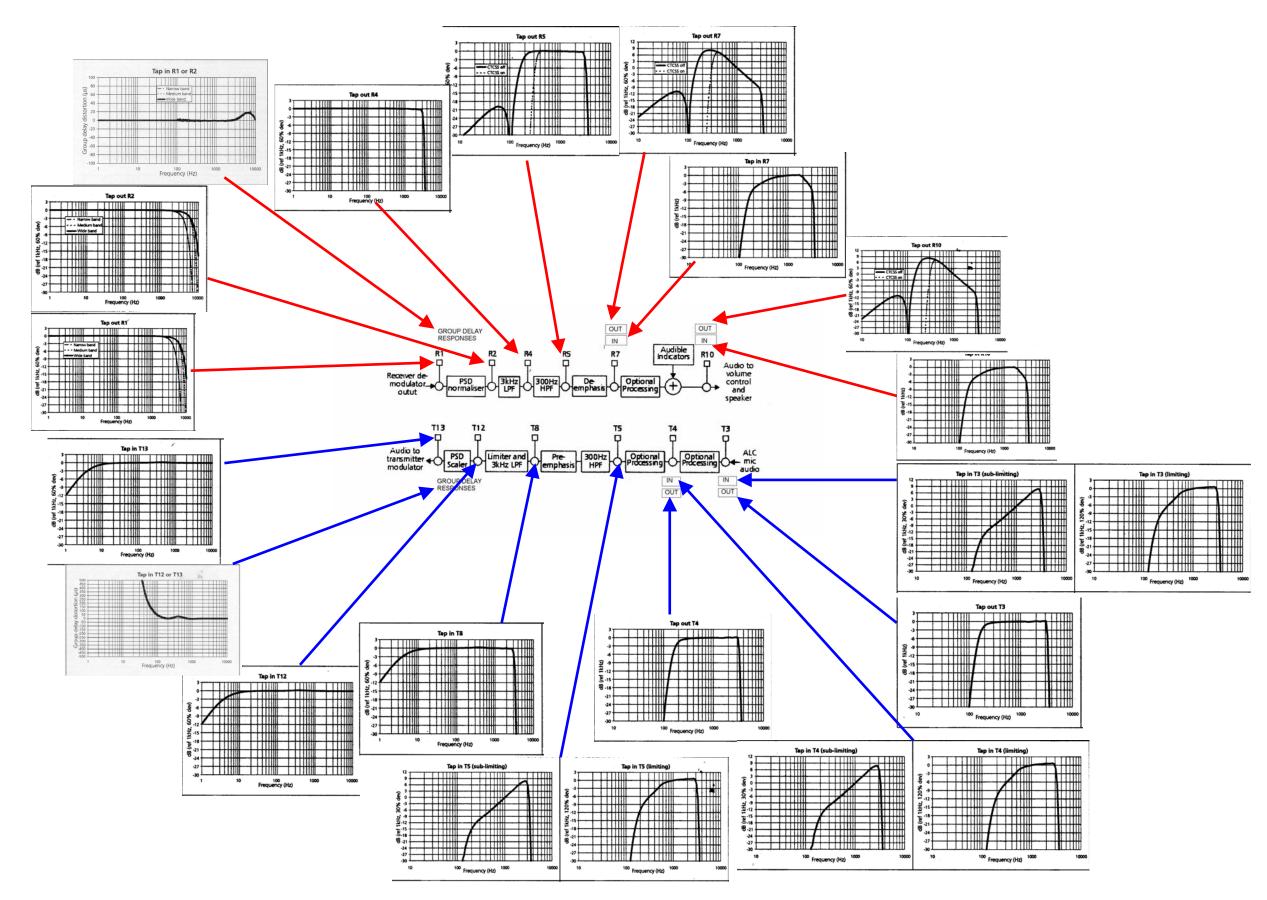


Figure **3** 

## Compliance Issues

None

**CSO Instruction** Distribute to System Integrators and to current and potential TM8000 Customers.

## 2. Issuing Authority

Name and Position of Issuing Officer	Malcolm Brown Senior Technical Support Engineer				
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