

PERCOM DATA CO.  
TECHNICAL MEMO

TM-CIS-30-05  
CIS-30+ CASSETTE INTERFACE

JULY 25, 1977

SUBJECT: WHY SOME CASSETTES RECORDED USING THE SWTP AC-30 WILL  
NOT READ PROPERLY ON THE CIS-30+

SEVERAL PERCOM CIS-30 USERS HAVE REPORTED DIFFICULTY READING CASSETTES RECORDED USING THE SWTP AC-30. SINCE WE HAD NO PROBLEM WITH INTERCHANGEABILITY BETWEEN OUR OWN CIS-30 AND AC-30, THIS PROBLEM WAS AN ENIGMA UNTIL A USER SENT US A CASSETTE WHICH EXHIBITED THE PROBLEM AND CAREFULLY DESCRIBED HIS SET UP.

THE RECORDER OUTPUT FROM THE AC-30 IS ROUGHLY 400 MILLIVOLTS PEAK-TO-PEAK WHICH IS A PROPER LEVEL FOR FEEDING THE AUXILIARY INPUT OF MOST CASSETTE RECORDERS.

HOWEVER, THE RECORDER OUTPUT FROM THE AC-30 WILL OVERLOAD THE RECORDER AMPLIFIER IF IT IS CONNECTED TO THE RECORDER MICROPHONE INPUT. THIS CAUSES A BADLY DISTORTED WAVEFORM TO BE RECORDED ON THE CASSETTE.

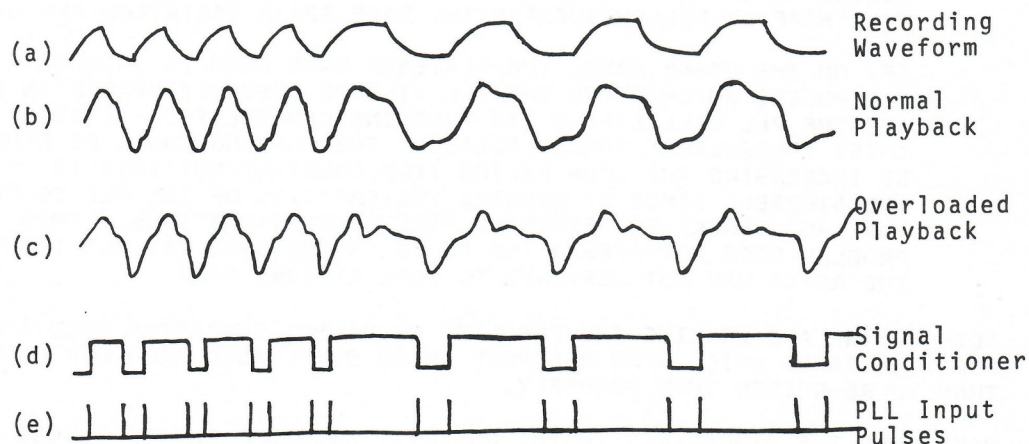


Figure 1

EFFECT OF AMPLIFIER OVERLOADING DURING RECORD.  
REFER TO TEXT FOR DETAILS AND SOLUTION.