

FOR REFERENCE ONLY

**Final Test Procedure
For the
PE300T FM TRANSMITTER UNIT/216mhZ**

810-6679-104

))))))Phonic Ear®

3880 Cypress Drive, Petaluma, CA 94954

CHECKED BY

DATE

K. Thomas

10/30/00

TITLE

Final Test Procedure

PE300T FM TRANSMITTER UNIT / 216MHZ

DWG. NO.

810-6679-104

REV.

A

Page 1 of 5

10/30/00

A

Int. Rel.

RH

APPROVED BY

DATE

J. Lenio

11/17/00

DATE

REV

**REV
RECORD**

AUTH

Table of Contents

1.0	SCOPE	3
2.0	TEST EQUIPMENT REQUIRED.....	3
3.0	APPLICABLE DOCUMENTS	3
4.0	TEST SET-UP	4
5.0	PERFORMANCE TEST	5

TITLE	Final Test Procedure PE300T FM TRANSMITTER UNIT / 216MHZ
-------	---

DWG. NO.
810-6679-104

Page 2 of 5

REV.

A

1.0 SCOPE

This test procedure defines the testing used for the final quality test of the PE300T 216MHz FM Transmitter Unit, part number 850-6679-901 thru 850-6679-906.

2.0 TEST EQUIPMENT REQUIRED

Item	Manufacturer / Part Number	Description
1	PE 800R BTE	Receiver
2	PE AT0164	Lapel Microphone
3	Radio, Cass., CD	Audio Source
4	PE AT0534	Wall Transformer
5	PE AT0655	Charged Batteries
6	PE AT0214	Audio Cable
7	PE AT0536	Antenna
8	AT0751-XX	Crystal-RO

3.0 APPLICABLE DOCUMENTS

User's Manual	821-6547-101
Technical Specification Sheet	822-6547-101

TITLE	Final Test Procedure PE300T FM TRANSMITTER UNIT / 216MHZ
-------	---

DWG. NO. 810-6679-104

Page 3 of 5

REV.

A

4.0 TEST SET-UP

4.1 The general test set-up for the PE300T, is shown below:

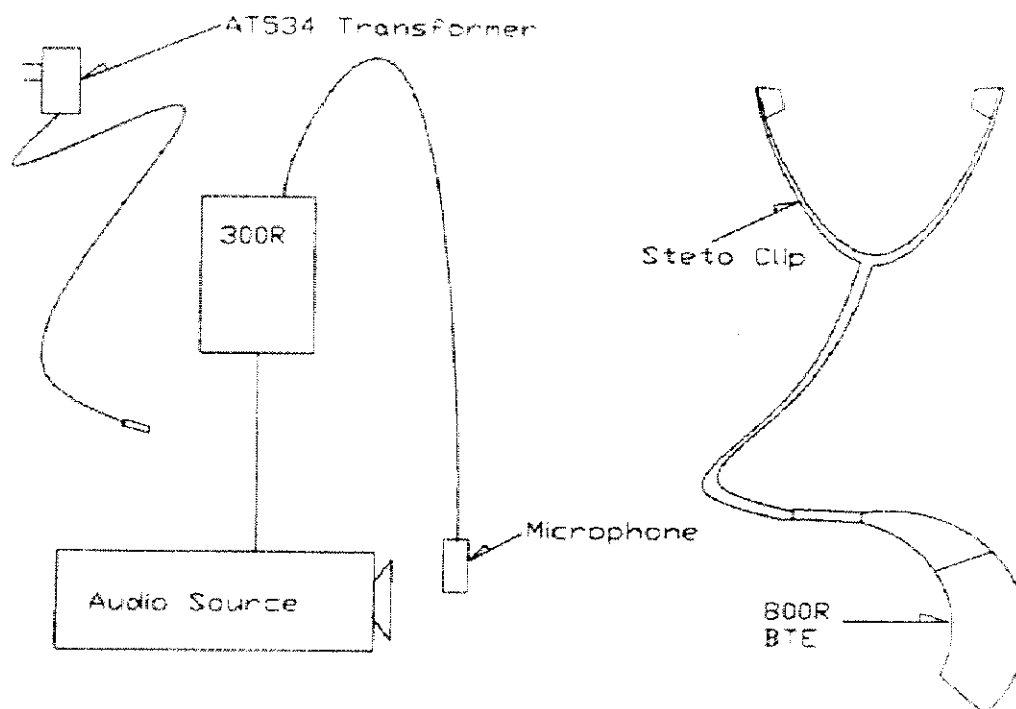


Figure 1

TITLE	Final Test Procedure
	PE300T FM TRANSMITTER UNIT / 216MHZ

DWG. NO.
810-6679-104

Page 4 of 5

REV.
A

5.0 TEST PROCEDURE

- 5.1 Install the test batteries (AT0665) into the PE300T transmitter unit to be tested.
- 5.2 Make sure the VOLUME switch on the PE300T is in the OFF position. Plug the AT0534 Wall Transformer into a 110/60Hz AC outlet. Plug the 3.5mm plug from the AT0534 into the AUX/CHG Jack on the unit.
- 5.3 Verify that the CHARGE LED on the PE300T is ON and centered in the opening on the case.
- 5.4 Unplug the AT0534 from the transmitter.

LISTENING TEST

- 5.4.1 Select an AT0751 crystal which corresponds to the frequency of the transmitter under test, and insert into PE800R.
- 5.4.2 Plug the AT0164 microphone into the MIC jack on the PE300T and position the microphone next to a clear audio source.
- 5.4.3 Connect the steto clip to the PE800R.
- 5.4.4 Turn on the PE300T and PE800R.
- 5.4.5 Adjust the receiver volume switch to a comfortable listening level.
- 5.4.6 Verify that the sound received is clear and undistorted.
- 5.4.7 Unplug the AT0164 MIC and insert the AT0536 antenna into the MIC/ANT jack.
- 5.4.8 Plug one end of an AT0214 audio cable into the AUX/CHG jack on the PE300T and plug the other into the audio output jack on the audio source.
- 5.4.9 Verify that the sound received by the receiver is clear and undistorted.
- 5.4.10 Turn the PE300T off and remove the antenna, audio cable and batteries.
- 5.4.11 The functional test has been completed.

TITLE Final Test Procedure PE300T FM TRANSMITTER UNIT / 216MHZ	
DWG. NO. 810-6679-104	REV. A

Page 5 of 5