

DIMENSION® PBX

RADIO PAGING TEST

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1. GENERAL

- 1.1 This section provides an operational test for radio paging feature for Dimension PBX when DCW (J58824CD-1) Interface Trunk Circuit with converting Touch-Tone® to 2-out-of-7 option is used.
- 1.2 There are several methods of paging option, but only one of them is currently registered (at the time this section is being written) which will be described in this section.
- 1.3 Refer to Section 250.33 of this handbook for all hardware and software requirements.

2. TEST EQUIPMENT

2.1	<u>QTY</u>	<u>TYPE</u>	<u>DESCRIPTION</u>
	1 to 4	2500D	Touch-Tone Telephone Set, or equivalent
	1 to 4	249A	Telephone Set Adapter

3. DOCUMENTATION

- 3.1 SD66926 -01
CD66926-01
SD1E445-01
SD1E446-01
SD1E477-01
SD1E480-01
Customer Order Document - COD

4. RECORDS

- 4.1 Form SD-97-1313 is required for recording the results of this test.

PRIVATE

THE INFORMATION CONTAINED HEREIN SHOULD NOT BE DISCLOSED TO UNAUTHORIZED PERSONS. IT IS MEANT SOLELY FOR USE BY AUTHORIZED BELL SYSTEM EMPLOYEES.

5. PREPARATION

- 5.1 From the job COD and HB 282 Section 250.33, determine the number of radio paging (incoming and answer) ports which have been assigned in the tape (Note: a maximum of 2 incoming ports and 2 answer ports can be assigned to one Interface Trunk Circuit).
- 5.2 From the job COD, choose one station with Touch-Tone and non-restricted class of service for each radio paging incoming port and each radio paging answer port. (Note: A maximum of 4 stations is required for 2 incoming ports and 2 answer ports).
- 5.3 Temporarily connect the TT telephone set(s) to the chosen station(s) circuit pack(s) by using a 249A adapter.

6. PROCEDURE

- 6.1 Testing Procedure for One Incoming Port and/or One Answer Port
 - 6.1.1 Originate a radio paging call from a chosen Touch-Tone station by dialing the radio paging (as defined a 1-way outgoing WATS trunk in the job COD) dial access code.
 - 6.1.2 A second dial tone is returned from the Interface Trunk Circuit to the calling station either under control of the customer radio paging equipment (CPE) or immediately upon seizure if no warmup time is required.
 - 6.1.3 After hearing the second dial tone, the calling party dials the appropriate channel code, in Touch-Tone signal, into the Interface Trunk Circuit. The channel code then is repeated directly into the CPE on 2-out-of-7 lead basis.
 - 6.1.4 When the CPE has received all the required digits, it returns an audible ringback tone to the calling party.
 - 6.1.5 When the CPE is ready to transmit a message, ringback tone is removed, and transmission path is established between the calling party and the receiver. Perform voice paging.
 - 6.1.6 Where answer port (through the Dimension PBX via the Interface Trunk Circuit) option is provided, perform the following steps; otherwise, go to step 6.1.8.
 - 6.1.6.1 From the second chosen station, dial the radio paging answer dial access code.
 - 6.1.6.2 Verify that the transmission path between calling party and the called party is established via the Interface Trunk Circuit. (Note: If the called party does not answer the page in the allotted time which is determined by the CPE, the CPE will disconnect the calling party from the common control circuit of the CPE and return busy tone to the calling party. Any subsequent call will receive intercept tone while the paging port is being used.)

- 6.1.7 Terminate the paging call by placing the calling (and called) party on-hook; the Interface Trunk circuit should return to idle.
- 6.1.8 Go to next step if second incoming (and second answer) port is provided; otherwise, go to step 6.3.
- 6.2 Testing Procedure for Two Incoming Ports and/or Two Answer Ports
- 6.2.1 Test individual incoming port (and/or answer port) per steps 6.1.1 through 6.1.7. (Note: It might require to busy out the first incoming port (and/or first answer port) before the second incoming port (and/or second answer port) can be accessed. Use PROC 70 and PROC 563 Test 2 for 201S and 201L, respectively, to busy out (or to release busy out) a trunk circuit.)
- 6.2.2 Test on accessing both incoming ports from the two chosen Touch-Tone stations; the first calling party will be able to access the CPE and the later calling party will receive busy tone from the Interface Trunk Circuit.
- 6.2.3 Where two answer ports option is provided, perform the following steps; otherwise, go to step 6.3
- 6.2.4 Establish one radio paging call, and answer the paging call by repeating the same method as indicated in steps 6.1.1 through 6.1.6.2.
- 6.2.5 While the first paging call is in the answer mode; then originate a second radio paging call from a third Touch-Tone station and answer the second page from a fourth station. Verify that both calls are connected properly through the Interface Trunk Circuit.
- 6.2.6 Terminate both paging calls; the Interface Trunk Circuit should restore to idle.
- 6.3 This completes the test section.

Reason for Issue:
New Section

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