TAG INC.
Telecom Assistance Group, Inc.
800-824-7005

Motorola AXS2200 DS1 Voice Gateway Streaker Card
ST-AXS2200DS1 Practice

CONTENTS

▶2 APPLICATION

The ST-AXS2200DS1 provides a quick method to "streak"- verify wiring via LED's thru the Motorola AXS2200 backplane to the DSX-1.

At the DSX-1, inject a signal using TAG's DSX Test Sender / Short Test Unit (ST-DSX2). Watch the associated lights on the unit illuminate.

▶1 GENERAL

This practice describes the Motorola AXS2200 DS1 Voice Gateway Streaker Card (ST-AXS2200DS1) used in the Voice Gateway card slots of the Motorola AXS2200.

▶3 PROCEDURE

The test procedure typically requires two (2) people for ease of testing. Tester 1 will observe the LED's at the front of the Motorola AXS2200 DS1 Voice Gateway Streaker Card (ST-AXS2200DS1). **Tester 2 will use TAG's DSX Test Sender / Short Test Unit (ST-DSX2).**

See pages 3 and 4 for Step-by-Step Test Procedure.

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4 ▶ Physical Description/Wiring
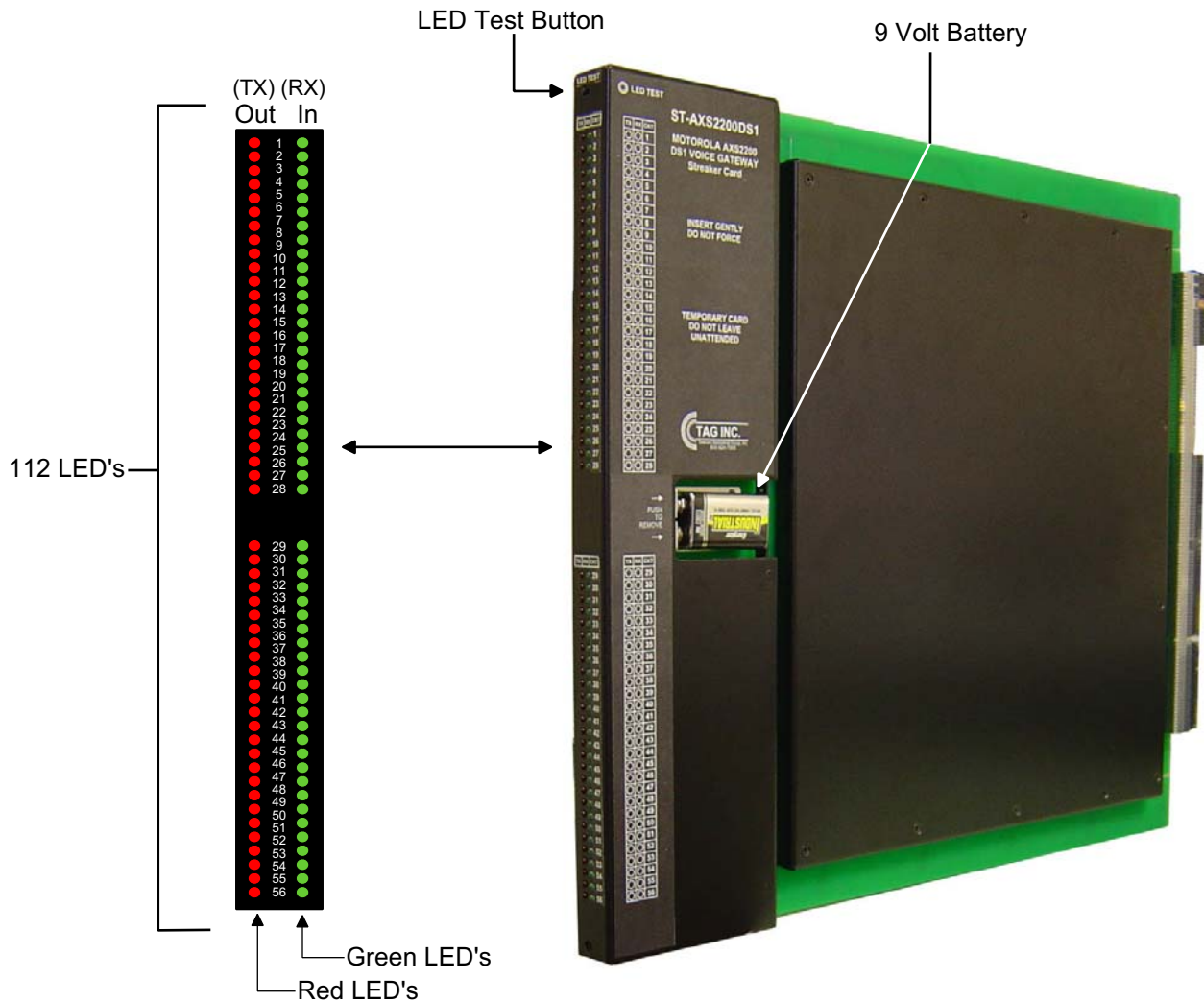
The ST-AXS2200DS1 verifies wiring continuity of 56 DS1 circuits. The Streaker Card provides a quick method to - verify wiring via LED's ("streak") from the Motorola AXS2200 to the DSX-1.

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5 ▶ Step by Step Test Procedure

Tester 1
Located at Front of Motorola AXS2200

Motorola AXS2200

(TX) (RX)
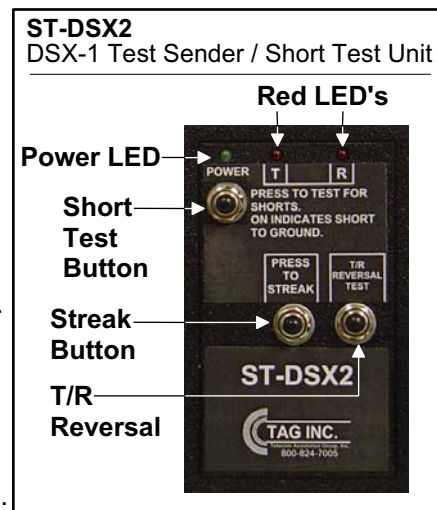Out In
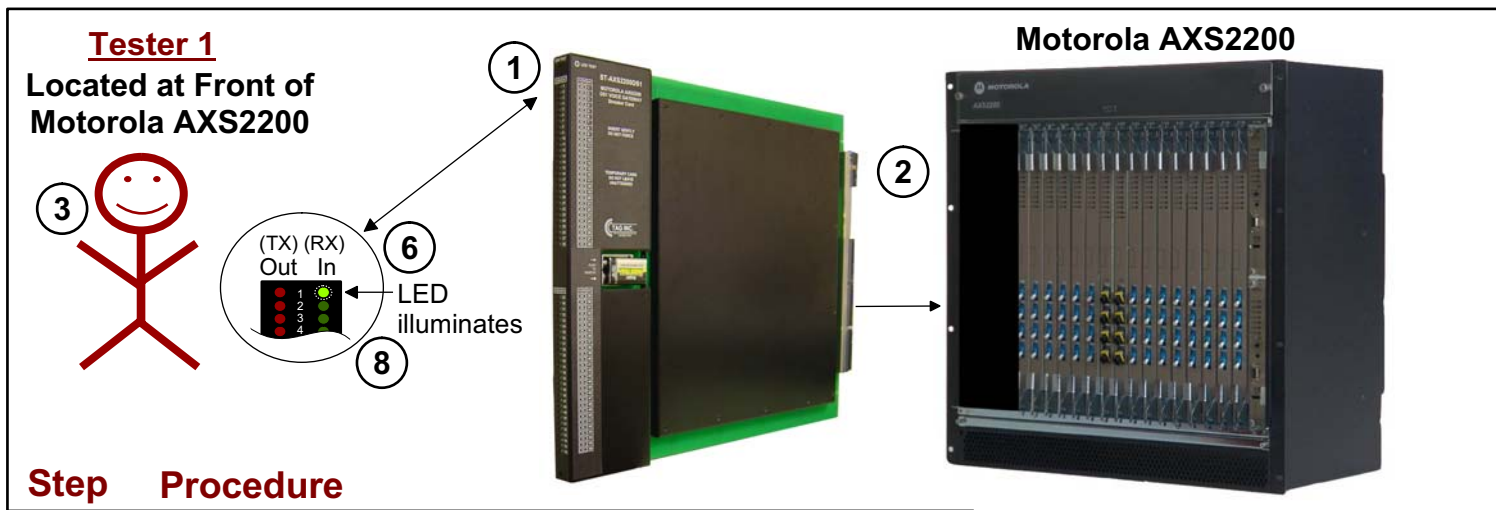
LED illuminates

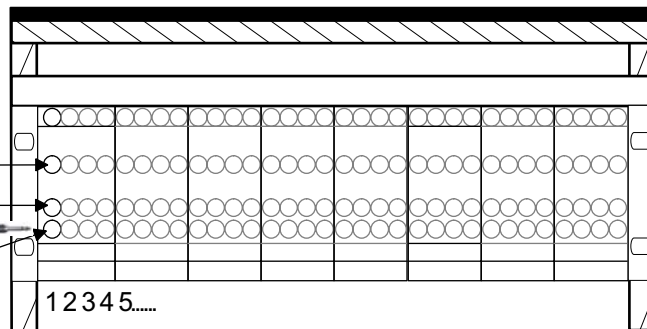**Step   Procedure**

When plugging the test board into the Motorola shelf use normal static procedures.

1. Press LED test button. Verify that all LED's illuminate.
    (If LED's do not illuminate, make sure the 9V battery is seated properly or replace it with a new battery).

2. Verify proper alignment and insert ST-AXS2200DS1 into card slot .
    (CAUTION: Do not force. Verify proper alignment before inserting.)

3. **Tester 1** will establish communication with **Tester 2** at the DSX-1.

4. **Tester 2** will plug the bantam of the ST-DSX2 into the In jack **I** and
    press the short test button.
    (Note: If one of the Red LED's illuminate, there is a short to ground.)

5. **Tester 2** will then press the Streak button.

6. **Tester 1** will observe that the RX (In) Green LED illuminates on the ST-AXS2200DS1.

        *If the LED does not illuminate proceed.

7. **Tester 2** will press T/R Reversal Test button.

8. **Tester 1** will observe that the RX (In) Green LED illuminates on the ST-AXS2200DS1.
             (Note: If LED illuminates Tip and Ring are reversed.)

9. **Tester 2** will then move the bantam to the Out jack **O**
    and repeat the steps above. The Testers should then
    proceed through all 56 circuits.

ST-DSX2
DSX-1 Test Sender / Short Test Unit

Red LED's

Power LED

Short Test Button

Streak Button

T/R Reversal

POWER | T | R
PRESS TO TEST FOR SHORTS.
ON INDICATES SHORT TO GROUND.

PRESS TO STREAK | T/R REVERSAL TEST

ST-DSX2

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DSX-1

Tester 2
Located at Front of DSX-1

M
O
I

ST-DSX2

1 2 3 4 5 ......

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Motorola AXS2200 DS1 Voice Gateway Streaker Card
ST-AXS2200DS1 Practice

5 **Step by Step Test Procedure**

Back View of Motorola AXS2200

Motorola AXS2200

PIN	Signal	PIN	Signal
1	RING 1	33	TIP 1
2	RING 2	34	TIP 2
3	RING 3	35	TIP 3
4	RING 4	36	TIP 4
5	RING 5	37	TIP 5
6	RING 6	38	TIP 6
7	RING 7	39	TIP 7
8	RING 8	40	TIP 8
9	RING 9	41	TIP 9
10	RING 10	42	TIP 10
11	RING 11	43	TIP 11
12	RING 12	44	TIP 12
13	RING 13	45	TIP 13
14	RING 14	46	TIP 14
15	RING 15	47	TIP 15
16	RING 16	48	TIP 16
17	RING 17	49	TIP 17
18	RING 18	50	TIP 18
19	RING 19	51	TIP 19
20	RING 20	52	TIP 20
21	RING 21	53	TIP 21
22	RING 22	54	TIP 22
23	RING 23	55	TIP 23
24	RING 24	56	TIP 24
25	RING 25	57	TIP 25
26	RING 26	58	TIP 26
27	RING 27	59	TIP 27
28	RING 28	60	TIP 28
29		61	
30		62	
31		63	
32	FGROUND	64	FGROUND

Good ! - PASS

(TX) (RX)
Out In

LED illuminates

Tester 1
Located at Front of Motorola AXS2200

Tester 2
Located at Front of DSX-1

POWER T R
PRESS TO TEST FOR SHORTS.
ON INDICATES SHORT TO GROUND.

PRESS TO STREAK | T/R REVERSAL TEST

ST-DSX2

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ST-DSX2
DSX Test
Sender / Short Test Unit

DSX-1

M
O
I

1 2 3 4 5 ......