



Aviation Communication &  
Surveillance Systems

## NXT-800 Data Link Transponder Label

CAGE Code <b>1WYD3</b>	Initial Release Date <b>09-APR-2014</b>	Revision Date <b>17-SEP-2019</b>	Document Number <b>9008002</b>	Revision <b>G</b>
---------------------------	--	-------------------------------------	-----------------------------------	----------------------

### Proprietary Notice

This document and the information disclosed herein are proprietary data of Aviation Communication & Surveillance Systems, LLC. Neither this document nor the information contained herein shall be reproduced, used, or disclosed to others without the written authorization of Aviation Communication & Surveillance Systems, LLC.

### Notice

Freedom of Information Act (5 USC 552) and Disclosure of Confidential Information  
Generally (18 USC 1905)

This document is being furnished in confidence by Aviation Communication and Surveillance Systems, LLC. The information disclosed herein falls within exemption (b) (4) of 5 USC 552 and the prohibitions of 18 USC 1905.

### Export Notice

This technical data is controlled under the Export Administration Regulations (EAR) and may not be exported to a Foreign Person, either in the U.S. or abroad, without proper authorization by the U.S. Department of Commerce.

Doc Number 9008002	NXT-800 Data Link Transponder Label	Revision G
-----------------------	-------------------------------------	---------------

### Record of Revisions

Rev	Date	Authorization	Description of Change
-	09-APR-2014	ECR013944	Initial Release
A	20-OCT-2014	ECR015480	Create new Figure 2 with new dash number -003 and -004 to add the FCC number. Update Table 1 as necessary.
B	27-OCT-2014	ECR015529	Add new label for ETSO. Correct Figure 1 and 2. Updated Table 1 with ETSO dash numbers -005 and -006.
C	23-MAR-2016	ECR016980	Add dash number -007 for 9008000-10100.
D	15-JUN-2016	ECR017206	Updated Step 1.6 for ETSO information. Updated Table 1 to add -10001 and -55001.
E	17-AUG-2016	ECR017393	Figure 4 and Table 2 adds software tear-off labels for -10001 and -55001 field use.
F	16-JUL-2019	ECR019019	Updated Table 1 to add -12100 labels.
G	17-SEP-2019	ECR019097	Added Figure 5, Label Part No. 9008002-008, and updated Table 1 with labels for new FCC number 2ACTZNXTVE19. Also updated proprietary information in the footer.

Doc Number 9008002	NXT-800 Data Link Transponder Label	Revision G
-----------------------	-------------------------------------	---------------

**Table of Contents**

1. INTRODUCTION ..... 1

    1.1 Material ..... 1

    1.2 Background..... 1

    1.3 Characters and Lines..... 1

    1.4 Label Construction..... 1

    1.5 Dimensional Units and Tolerances..... 1

    1.6 Technical Standard Order (TSO) Marking Requirements ..... 1

2. FIGURES AND TABLES..... 2

END OF DOCUMENT ..... 8

Doc Number 9008002	NXT-800 Data Link Transponder Label	Revision G
-----------------------	-------------------------------------	---------------

**Table of Figures**

Figure 1. NXT-800 Data Link Transponder Label, Part No. 9008002-001, -002 ..... 2

Figure 2. NXT-800 Data Link Transponder Label, Part No. 9008002-003, -004, -007 ..... 3

Figure 3. NXT-800 Data Link Transponder Label, Part No. 9008002-005, -006 ..... 4

Figure 4. NXT-800 Software Generic Tear-off Label, Part No. 9008002-600 ..... 5

Figure 5. NXT-800 Data Link Transponder Label, Part No. 9008002-008 ..... 6

Doc Number 9008002	NXT-800 Data Link Transponder Label	Revision G
-----------------------	-------------------------------------	---------------

**Table of Tables**

Table 1. NXT-800 End Item Label Entries - Nomenclature Plates ..... 7  
 Table 2. NXT-800 Nomenclature Plate Configuration – Software Tear-off Labels for Field Updates ..... 8

Doc Number 9008002	NXT-800 Data Link Transponder Label	Revision G
-----------------------	-------------------------------------	---------------

## 1. INTRODUCTION

Aviation Communication & Surveillance Systems (ACSS) in Phoenix, Arizona, has prepared this document containing the Label for the NXT-800 Data Link Transponder, Part No. 9008000-VAR.

### 1.1 Material

For all part numbers, use Brady Material: White Polyester (B-483) adhesive backed or equivalent.

### 1.2 Background

For all part numbers; use White Polyester.

### 1.3 Characters and Lines

For all part numbers use Black, Thermal Printed.

### 1.4 Label Construction

For all part numbers; the label is constructed of computer generated/computer printed adhesive backed white polyester.

### 1.5 Dimensional Units and Tolerances

Unless otherwise specified, all dimensions are in inches, and tolerances apply to all places decimal  $\pm 0.02$ .

### 1.6 Technical Standard Order (TSO) Marking Requirements

See Table 1 for necessary TSO information. For further TSO detail, refer to the applicable System Description and Installation Manual (SDIM). ETSO is mutually accepted and is no longer necessary on labels.

- 8600800-001: NXT-800 System Description and Installation Manual.

ACSS Proprietary	Use or disclosure of the information on this sheet is subject to the proprietary and export notices on the title page.	Page 1
---------------------	---	--------

## 2. FIGURES AND TABLES

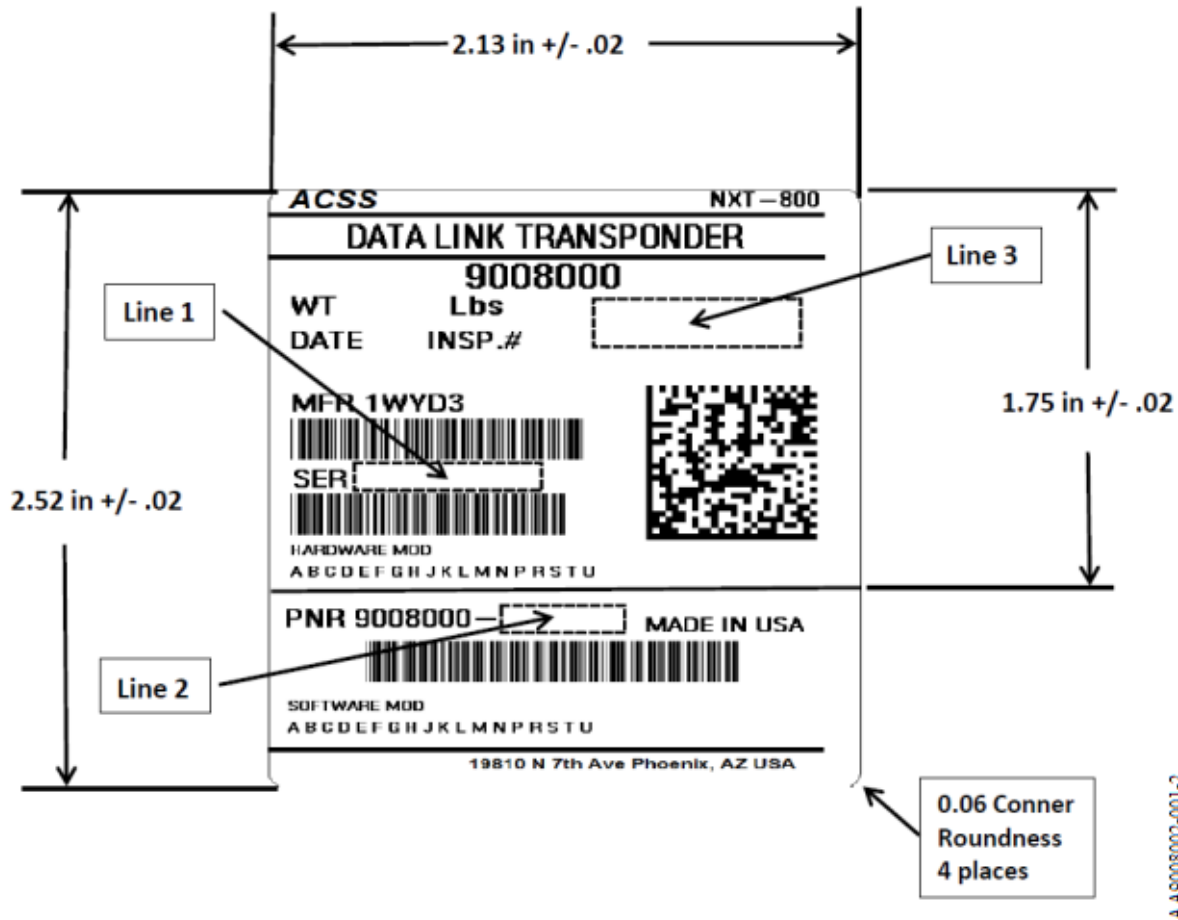


Figure 1. NXT-800 Data Link Transponder Label, Part No. 9008002-001, -002

### NOTE:

1. Background color (White Polyester) 1.2.
2. Character and Line (Black) 1.3.
3. Weight, Date, Inspector#, Serial#, TSOs, and PNR Dash Number all added at time of printing.
4. Bar codes will change appearance depending on the information coded.
5. Refer to Table 1 for contents of Line 1, Line 2, and Line 3.
6. MOD Level Box Outlines optional.

Doc Number 9008002	NXT-800 Data Link Transponder Label	Revision G
-----------------------	-------------------------------------	---------------

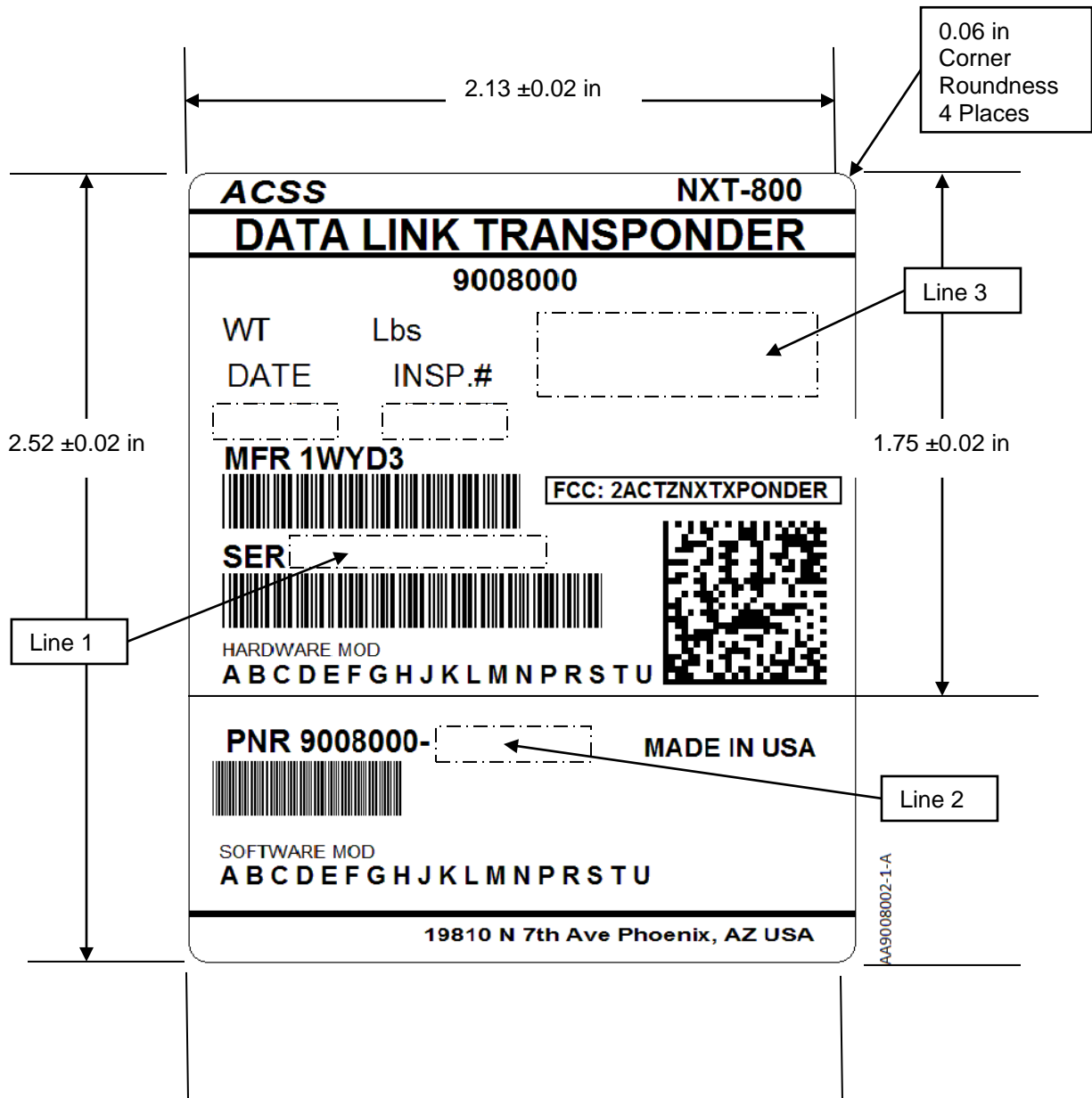
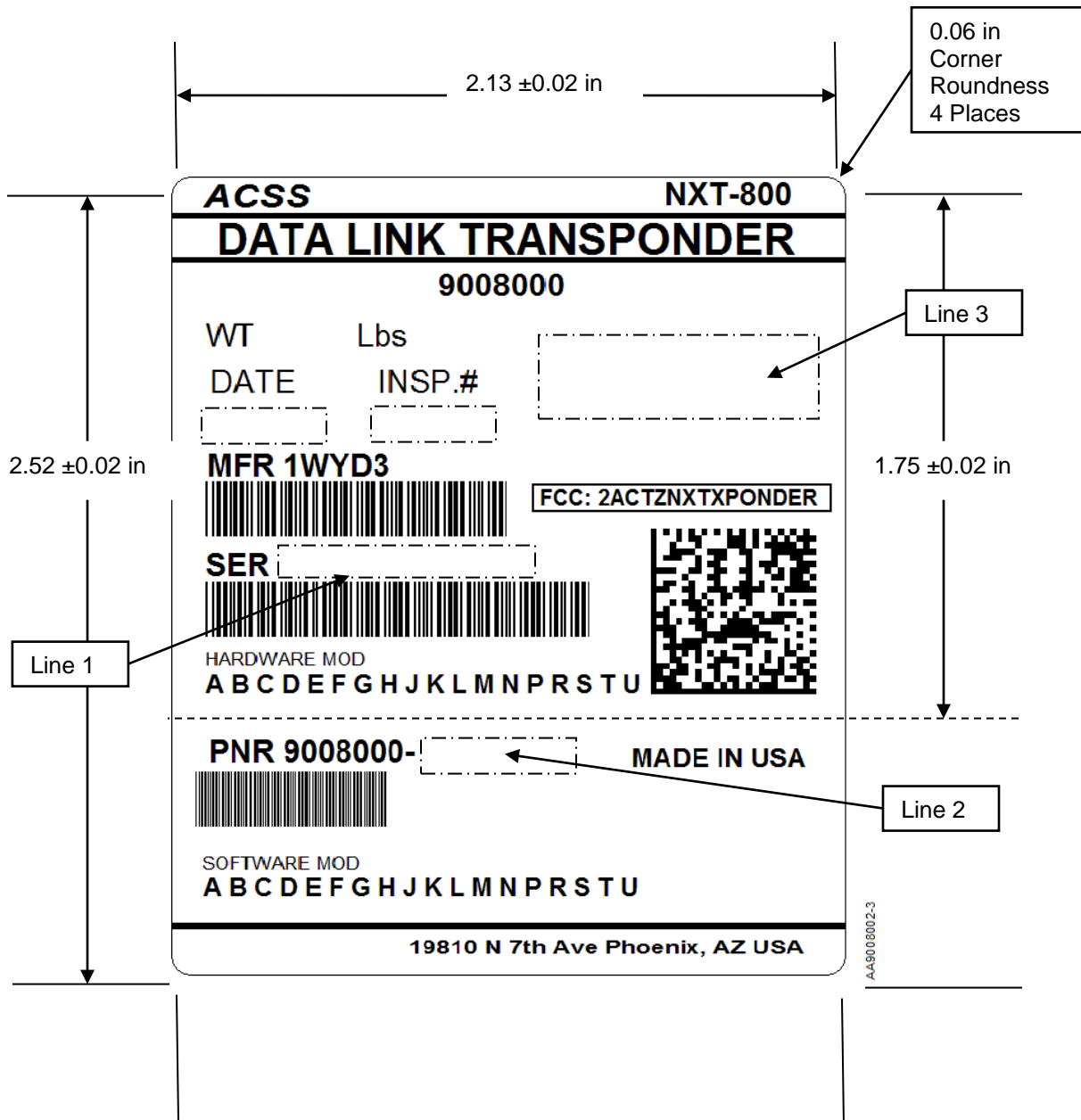


Figure 2. NXT-800 Data Link Transponder Label, Part No. 9008002-003, -004, -007

**NOTE:**

1. Background color (White Polyester) 1.2.
2. Character and Line (Black) 1.3.
3. Weight, Date, Inspector#, Serial#, TSOs, and PNR Dash Number all added at time of printing.
4. Bar codes will change appearance depending on the information coded.
5. Refer to Table 1 for contents of Line 1, Line 2, and Line 3.
6. MOD Level Box Outlines optional.



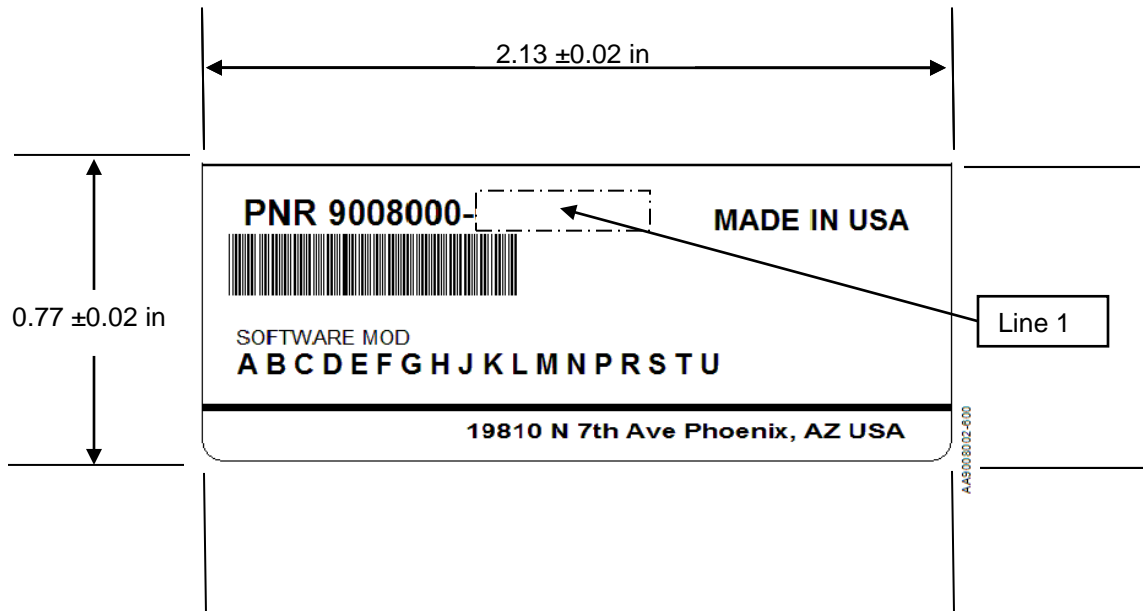


**Figure 3. NXT-800 Data Link Transponder Label, Part No. 9008002-005, -006**

**NOTE:**

1. Background color (White Polyester) 1.2.
2. Character and Line (Black) 1.3.
3. Weight, Date, Inspector#, Serial#, TSOs, and PNR Dash Number all added at time of printing.
4. Bar codes will change appearance depending on the information coded.
5. Refer to Table 1 for contents of Line 1, Line 2, and Line 3.
6. MOD Level Box Outlines optional.

Doc Number 9008002	NXT-800 Data Link Transponder Label	Revision G
-----------------------	-------------------------------------	---------------



**Figure 4. NXT-800 Software Generic Tear-off Label, Part No. 9008002-600**

**NOTE:**

1. Background color (White Polyester) 2.2.
2. Character and Line (Black) 2.3.
3. PNR Dash Number added at time of printing.
4. Bar codes will change appearance depending on the information coded.
5. Refer to Table 2 for contents of Line 1.
6. MOD Level Box Outlines optional.

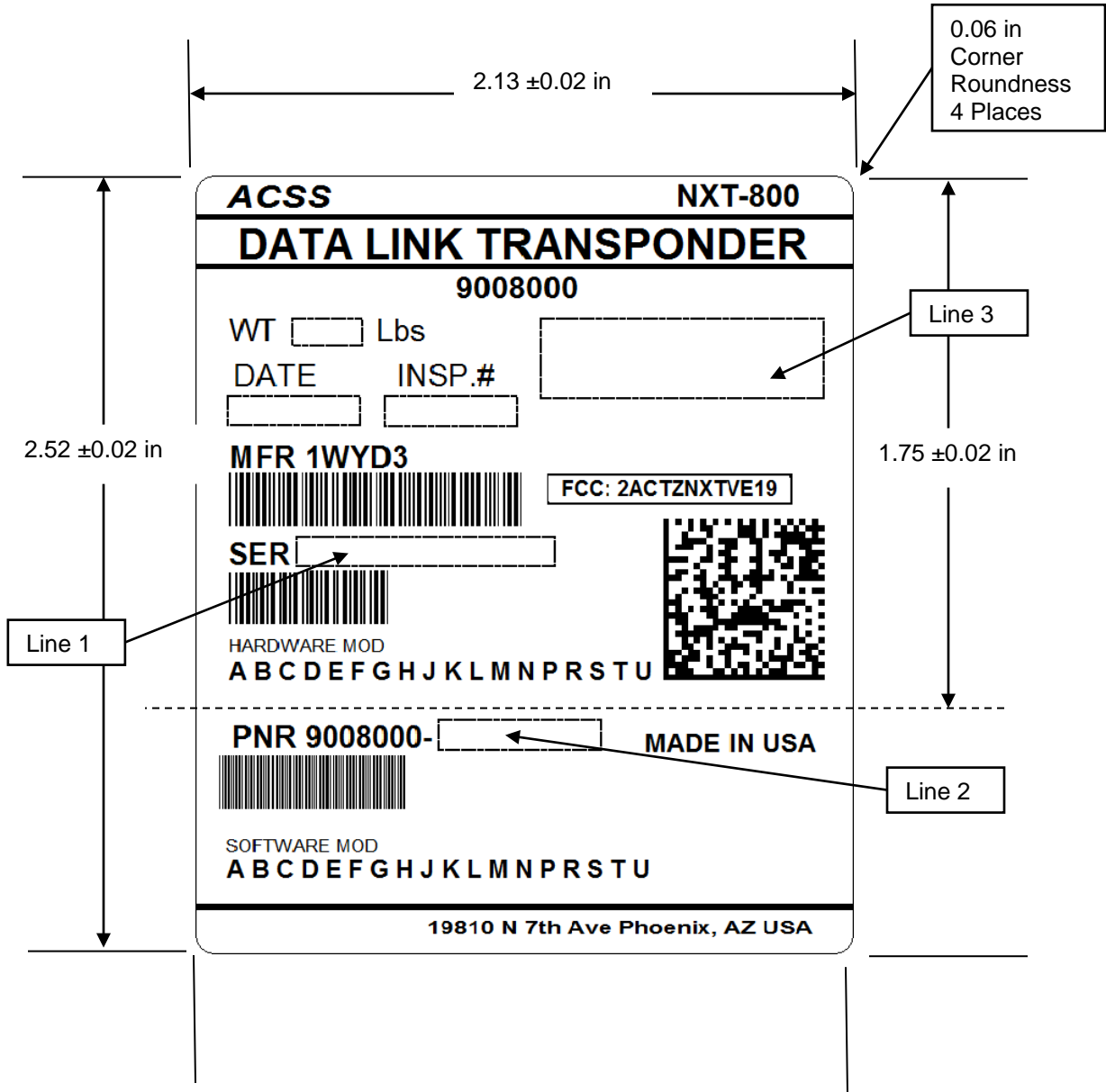


Figure 5. NXT-800 Data Link Transponder Label, Part No. 9008002-008

**NOTE:**

1. Background color (White Polyester) 1.2.
2. Character and Line (Black) 1.3.
3. Weight, Date, Inspector#, Serial#, TSOs, and PNR Dash Number all added at time of printing.
4. Bar codes will change appearance depending on the information coded.
5. Refer to Table 1 for contents of Line 1, Line 2, and Line 3.
6. MOD Level Box Outlines optional.

Doc Number 9008002	NXT-800 Data Link Transponder Label	Revision G
-----------------------	-------------------------------------	---------------

**Table 1. NXT-800 End Item Label Entries - Nomenclature Plates**

LRU Part No.	Label Part No.	Line 1 (Serial No.)	Line 2 (Dash No.)	Line 3 (TSO Categories)	Comments
9008000-10000	9008002-001 (Figure 1)	Applicable S/N	-10000	TSO-C112d, Level 3 adens Class 1 W/Dev (See SDIM for Addtl TSO Info)	Initial Release
9008000-55000	9008002-002 (Figure 1)	Applicable S/N	-55000	TSO-C112d, Level 3 adens Class 1 W/Dev (See SDIM for Addtl TSO Info)	Initial Release
9008000-10000	9008002-003 (Figure 2)	Applicable S/N	-10000	TSO-C112d, Level 3 adens Class 1 W/Dev (See SDIM for Addtl TSO Info)	With FCC number
9008000-55000	9008002-004 (Figure 2)	Applicable S/N	-55000	TSO-C112d, Level 3 adens Class 1 W/Dev (See SDIM for Addtl TSO Info)	With FCC number
9008000-10000	9008002-005 (Figure 3)	Applicable S/N	-10000	TSO-C112d, ETSO-C112d Level 3adens, Class 1 ETSO-C166b, Class A3 - Transmit Only (W/Dev, See SDIM for Addtl TSO Info)	ETSO label
9008000-55000	9008002-006 (Figure 3)	Applicable S/N	-55000	TSO-C112d, ETSO-C112d Level 3adens, Class 1 ETSO-C166b, Class A3 - Transmit Only (W/Dev, See SDIM for Addtl TSO Info)	ETSO label
9008000-10100	9008002-007 (Figure 2)	Applicable S/N	-10100	TSO-C112d, Level 3 adens Class 1 W/Dev (See SDIM for Addtl TSO Info)	Initial Release (ETSO no longer necessary)
9008000-10001	9008002-007 (Figure 2)	Applicable S/N	-10001	TSO-C112d, Level 3 adens Class 1 W/Dev (See SDIM for Addtl TSO Info)	Initial Release (ETSO no longer necessary)
9008000-55001	9008002-007 (Figure 2)	Applicable S/N	-55001	TSO-C112d, Level 3 adens Class 1 W/Dev (See SDIM for Addtl TSO Info)	Initial Release (ETSO no longer necessary)
9008000-12100	9008002-007 (Figure 2)	Applicable S/N	-12100	TSO-C112d, Level 3 adens Class 1 W/Dev (See SDIM for Addtl TSO Info)	Initial Release (ETSO no longer necessary)
9008000-10000	9008002-008 (Figure 5)	Applicable S/N	-10000	TSO-C112d, Level 3adens, Class 1 W/Dev (See SDIM for Addtl TSO Info)	FCC label update for HW MOD D
9008000-10001	9008002-008 (Figure 5)	Applicable S/N	-10001	TSO-C112d, Level 3 adens Class 1 W/Dev (See SDIM for Addtl TSO Info)	FCC label update for HW MOD D
9008000-10100	9008002-008 (Figure 5)	Applicable S/N	-10100	TSO-C112d, Level 3 adens Class 1 W/Dev (See SDIM for Addtl TSO Info)	FCC label update for HW MOD D
9008000-12100	9008002-008 (Figure 5)	Applicable S/N	-12100	TSO-C112d, Level 3 adens Class 1 W/Dev (See SDIM for Addtl TSO Info)	FCC label update for HW MOD D
9008000-55000	9008002-008 (Figure 5)	Applicable S/N	-55000	TSO-C112d, Level 3adens, Class 1 W/Dev (See SDIM for Addtl TSO Info)	FCC label update for HW MOD D
9008000-55001	9008002-008 (Figure 5)	Applicable S/N	-55001	TSO-C112d, Level 3 adens Class 1 W/Dev (See SDIM for Addtl TSO Info)	FCC label update for HW MOD D

Doc Number 9008002	NXT-800 Data Link Transponder Label	Revision G
-----------------------	-------------------------------------	---------------

**Table 2. NXT-800 Nomenclature Plate Configuration – Software Tear-off Labels for Field Updates**

ACSS SW Label Part No.	Uses	Line 1 (Dash No.)	Comments
9008002-600	9008002-600 (Figure 4)	-10001	6MCU
9008002-600	9008002-600 (Figure 4)	-55001	4MCU

**END OF DOCUMENT**