To: Joel Schneider TÜV Product Service
From: Kevin Reller KHI Regulatory Affairs
Date: October 16, 2001

Subject: 8200 Intentional Transmitter (Class 2 Permissive Change)

The Eastman Kodak Company would like to add a Low Power Radio Frequency transmitter to the 8200 Laser Imager. This transmitter would be identical to the one used on the 8100 Laser Imager.

Background

The 8100 Laser Imager added a low power transmitter to read film cartridge information in place of an optical bar code reader. Eastman Kodak Company was given grantee approval for the transmitter on December 12, 2000 (FCC ID: PA4810082007E2537). The 8200 Laser Imager is a follow on effort to the 8100 program. The 8100 and 8200 imagers have about 90% of their overall parts in common (100% of their RF parts) and have identical footprints. The major difference between the two imagers is the addition of a second film supply mechanism (This increases its vertical dimension) in the 8200 which allows it to have two different sizes available for printing. To keep the change in dimension to a minimum and efficiently utilize the interior volume of the 8200, some of its subsystems have been moved in relation to their location in the 8100.

Details

The transmitter/receiver and antenna used in both printers is attached to the base of the film supply tray which can be located on the accompanying line drawings (The tray(s) sits at an angle in the printers going from lower on the left to higher on the right). Both printers use the exact same RF system, with the 8200 using two compared to the single RF system in the 8100. Since the 8200 can only feed and expose one sheet of film at a time, only one of its transmitters is active at any point in time. The RF system is located internally to both of the printers and when it is transmitting, is completely enclosed by either metal skins or copper coated plastic. Close up photographs of the film tray, antenna and transmitter/receiver board, were submitted for the 8100 grant and are available as exhibits on the FCC web site.

I spoke with Richard Fabina who is the Chief of Equipment Authorizations at the FCC about the 8200 and he felt it qualified as a Class 2 permissive change. He was aware that while the test results might suggest other wise, his opinion was based on the fact that the module (film supply tray) that contains all of the intentional RF components is identical in both printers.

For any questions or clarifications or additional support material, please contact me at (651) 393-1423.

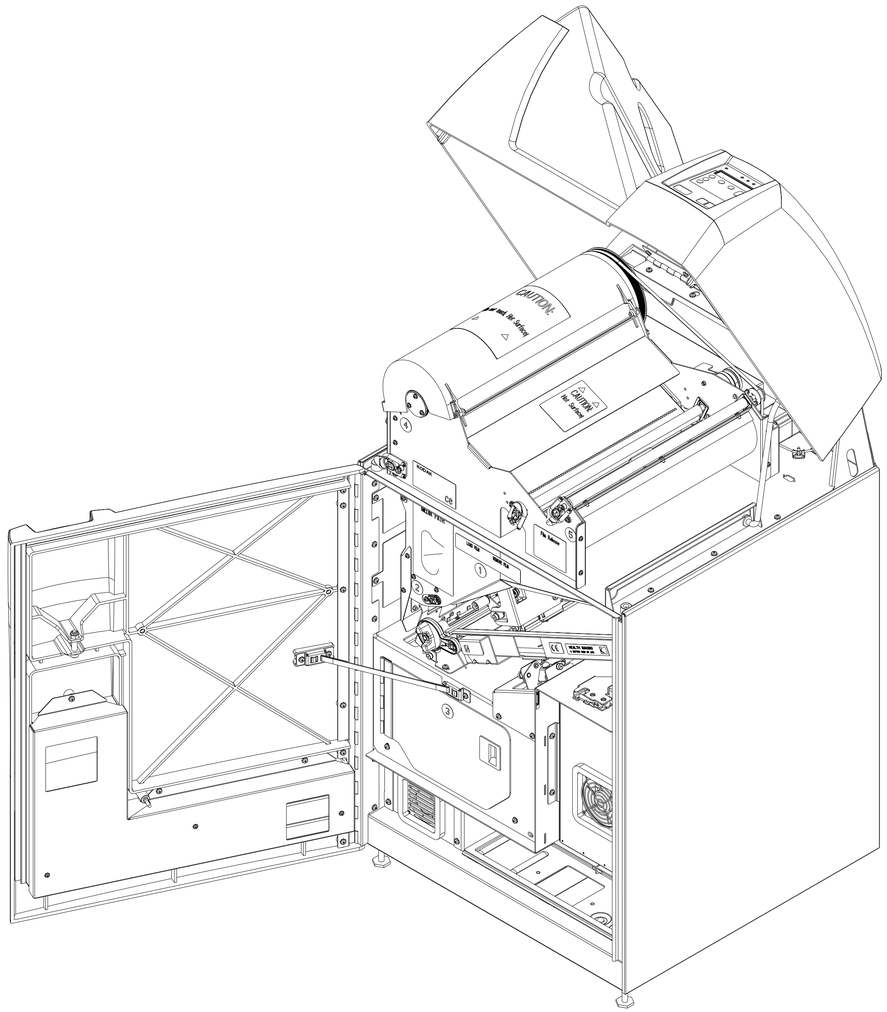
Kevin Reller


DryView 8200
10/15/2001

8100 Line Drawing

FCC ID: PA4810082007E2537

REVISION RECORD				
REV	ECO	DATE	DESCRIPTION	DRFT
A	713580	09-01-98	RELEASE TO PRODUCTION	JRG
B	717810	10-05-98	ADD SHEET 2 WITH EXPLODED VIEW	JMU
C	CN0000960	02-09-01	ADDED ITEMS 5 THRU 7	NH
D	CN0001256	08-07-01	REMOVE ITEM 6 (INSTALLATION REPORT) FROM NOTE 2. P/N OF ITEM 2 WAS 96-0000-3499-9.	KT



REFERENCE ITEMS			
ITEM	DESCRIPTION	QTY.	P/N
1	ASSEMBLY-SKINS	1	42-0007-5384-0
2	ASSEMBLY-IMS, DIGITAL	1	3E5881
3	SEAL-IMS	1	96-0000-1935-4
4	SCREW,PAN,SEMS,M5X0.8X08,CLR	4	96-0000-2614-4

NOTES:

1. PDM BOM SUPERCEDES REFERENCE ITEMS TABLE.

2. ITEMS 5 THRU 7 NOT SHOWN.
   ITEM 5 44-0022-7221-7 UNPACK INSTRUCTIONS

   ITEM 7 74-0500-5543-8 QUICK REF GUIDE HOLDER ASSEMBLY

MM(INCH)
25.4MM=1 INCH

TOLERANCES EXCEPT AS NOTED

MM	INCHES
0 ± 1	.0 ±
.0 ± 0.5	.00 ±
.00 ± 0.01	.000±

ANGLES ± 0.5

MATERIAL NONE

FINISH NONE

EASTMAN KODAK COMPANY
OAKDALE, MN

MODEL 8100

DRFT J. GILBERTSON DATE 09-01-98

ENG J. CHU DATE 05-07-01

INTERPRET PER ANSI Y14.5

THIRD ANGLE PROJECTION

TITLE

ASSEMBLY-MACHINE, DIGITAL 8100

FSCM NO.	SIZE	DRAWING NO.	REV
	D	96-0000-0854-8	D

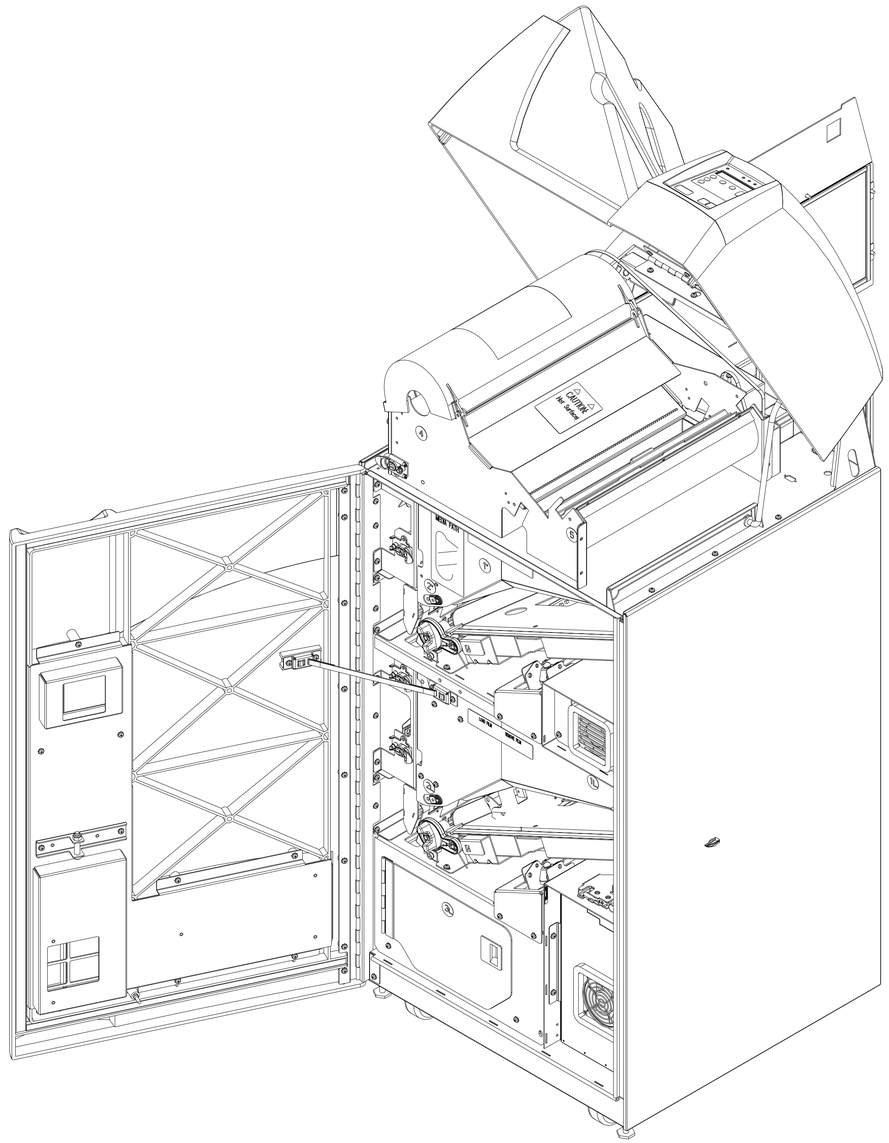
DO NOT SCALE DRAWING SHT 1 OF 2

DRAWING NO. 96-0000-0854-8

8200 Line Drawing

FCC ID: PA4810082007E2537

REVISION RECORD				
REV	ECO	DATE	DESCRIPTION	DRFT
A	CN0000711	11-01-00	RELEASE TO PRODUCTION	JMU
B	CN0000955	01-18-01	BOM ITEM 16 QTY WAS 37, ADD ITEM 20	JMU
C	CN0001148	03-19-01	BOM ITEM 9 WAS 74-0401-7916-5	JMU



REFERENCE ITEMS			
ITEM	DESCRIPTION	QTY.	P/N
1	MAIN ASSEMBLY, 8200	1	74-0401-8927-1
2	TAPE,VHB, .625X.025X21.88 LNG	4	96-0000-3483-3_B
2	TAPE,VHB, .625X.025X41.42 LNG	4	96-0000-3483-3_F
3	PANEL, RH SIDE	1	74-0401-8536-0
4	PANEL, LH SIDE	1	74-0401-8537-8
5	FRONT DOOR ASSEMBLY	1	74-0401-8942-0_OPEN
6	HOOD ASSEMBLY	1	96-0000-3453-6_OPEN
7	PROP ROD ASSEMBLY	1	96-0000-2940-3_OPEN
8	COVER, POWER MODULE	1	74-0401-8533-7
9	IMS BACK PANEL ASSEMBLY	1	6E7412
11	BACK PANEL ASSEMBLY	1	74-0401-8532-9_OPEN90
15	SCREW,PAN,SEMS,M4X0.7X08,CLR	2	26-1003-6942-5
16	SCREW,PAN,SEMS,M5X0.8X08,CLR	13	96-0000-2614-4
17	LABEL-WARNING, DISCONNECT POWER	1	78-8095-9424-1
18	DECAL-LASER, CLI (INTL)	1	78-8052-0728-5
19	LABEL, AGENCY STATEMENTS	1	42-0007-5413-7
20	SCREW,PAN,SEMS,M5X0.8X10,CLR	24	26-1003-7493-8

NOTES:

1. PDM BOM SUPERSEDES REFERENCE ITEM TABLE ON DRAWING.

MM(INCH)
25.4MM=1 INCH
TOLERANCES EXCEPT AS NOTED

MM	INCHES
0 ± 1	.0 ±
.0 ± 0.5	.00 ±
.00 ± 0.13	.000±

ANGLES ± 1.0
MATERIAL
FINISH

EASTMAN KODAK COMPANY
OAKDALE, MN

MODEL 8200
DRFT TA GIESE DATE 03-22-00
ENG B SCHMIDT DATE 01-18-01

INTERPRET PER ANSI Y14.5
THIRD ANGLE PROJECTION

TITLE
8200 MACHINE ASSEMBLY

FSCM NO.	SIZE	DRAWING NO.	REV
	D	74-0401-8926-3	C

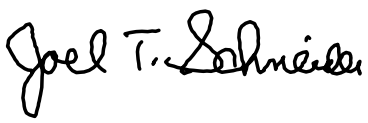
DO NOT SCALE DRAWING — SHT 1 OF 3

DRAWING NO. 74-0401-8926-3

TCB

Declaration of Compliance to RF Exposure Limits for Humans

The M8200 Transmitter complies with the RF exposure limits for humans as called out in 2.1091 (mobile >20 cm) or 2.1093(portable <20 cm). It is exempt from RF evaluation based on its operating frequency of 13.56 MHz, and output power of 880 nanowatts based on TP = $(FS \times D)^2 / 30 \times 1.65$, $(22\ uV/m \times 3)^2 / 30 \times 1.65$. This would be less than the 200 milliwatt requirement for portable devices or the 1.5 watt requirement for a mobile device.



Joel T Schneider

TUV Product Service