



# RF EXPOSURE REPORT

**REPORT NO.:** SA961114L16A

**MODEL NO.:** PW50

**ACCORDING:** FCC Guidelines for Human Exposure  
IEEE C95.1

**APPLICANT:** Intermec Technologies Corporation

**ADDRESS:** 550 Second street SE, Cedar Rapids, IA 52401,  
USA

**ISSUED BY:** Advance Data Technology Corporation

**LAB ADDRESS:** No. 47, 14<sup>th</sup> Ling, Chia Pau Tsuen, Lin Kou Hsiang  
244, Taipei Hsien, Taiwan, R.O.C.

**TEST LOCATION:** No. 19, Hwa Ya 2<sup>nd</sup> Rd., Wen Hwa Tsuen, Kwei  
Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.



**EUT information:**

1. Maximum measured transmitter power:

	Pout (dBm)	Pout (mW)
Conducted Power	8.68	7.379
EIRP Power	5.85	3.846

\*Note: The antenna is chip antenna with -2.83dBi gain.  
 Threshold for no SAR evaluation is 24.58mW  
 Transmitter power is 3.846mW

2. The closest antenna separation distance from Bluetooth antenna in the EUT (Pw50 Workboard Printer) to the antennas of PDA = 5.05cm. (Please refer to appendix A at end of this document for detail).

3. EUT is collocated with following 6 PDAs (actually are 2 different platforms with different configuration of radio).

ITEM	MODEL	FCC ID	FUNCTION	REMARK
1	CN3	EHA-01CN3	WLAN+BT	Interface 1 (small interface)
2		EHA-02CN3	WLAN+BT+CDMA	
3		EHA-03CN3	WLAN+BT+GSM	
4	CN3e	EHA-06CN3	WLAN+BT	
5		EHA-07CN3	WLAN+BT+CDMA	
6		EHA-08CN3	WLAN+BT+GSM	

And according to the FCC “SAR Evaluation Considerations for Handsets with Multiple Transmitters and Antennas” dated Feb 2008, both stand-alone SAR and simultaneous transmission SAR are not required if following conditions met:

- a). When the output of an unlicensed transmitter is  $\leq$  PRef and its antenna(s) is  $>$  2.5 cm from other antennas, stand-alone SAR evaluation is not required for that unlicensed transmitter.
- b). When stand-alone SAR evaluation is not required and the antenna is  $>$  5 cm from other antennas, simultaneous transmission SAR evaluation is also not required for that antenna.

Therefore, proposed Workboard Printer with 6 specific PDAs comply with the RF exposure requirement and do not need further RF exposure assessment.

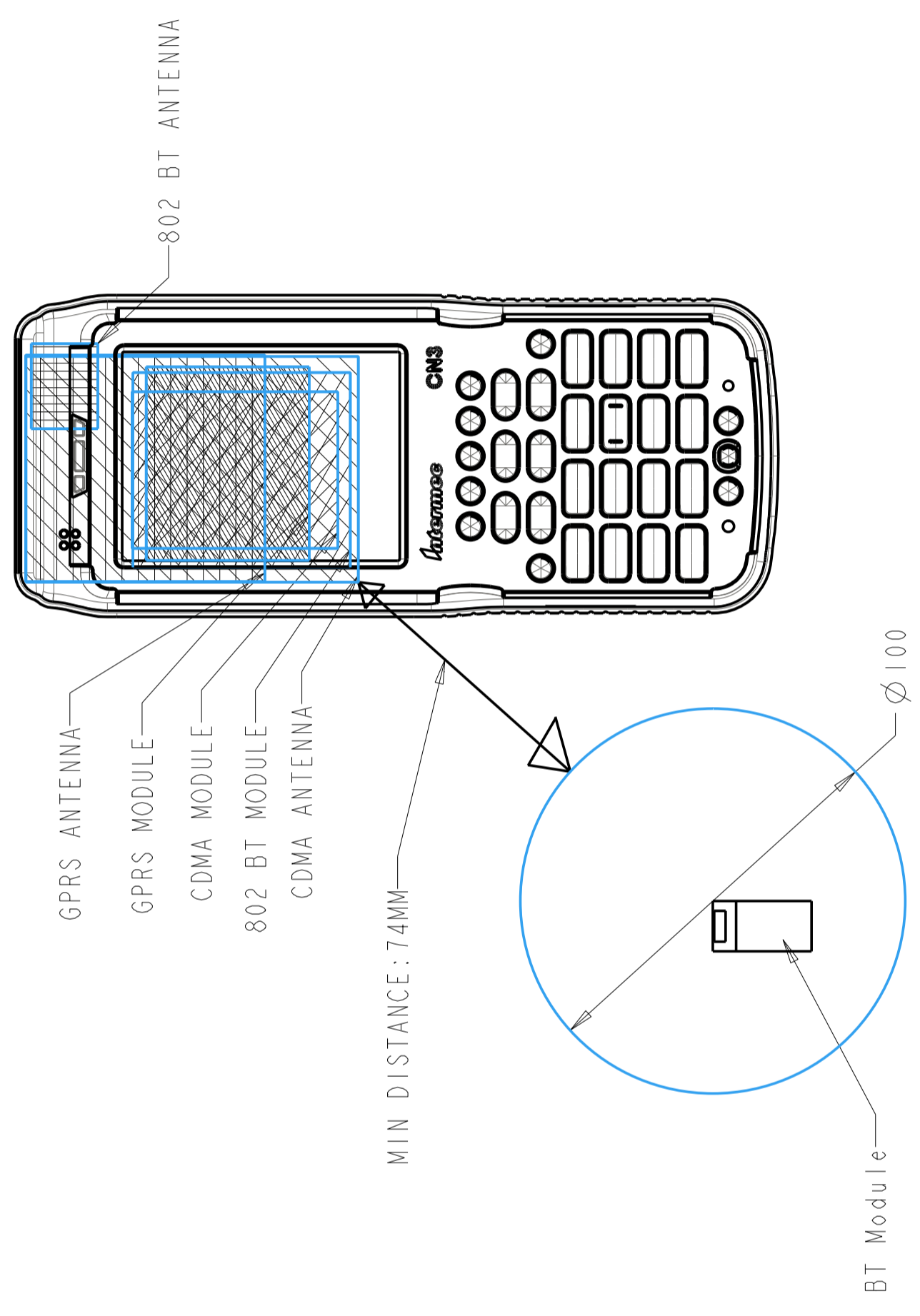
Appendix: Detailed EUT photos and minimum antenna separation distance

Pw50 with CN3



Pw50 with Cn3e





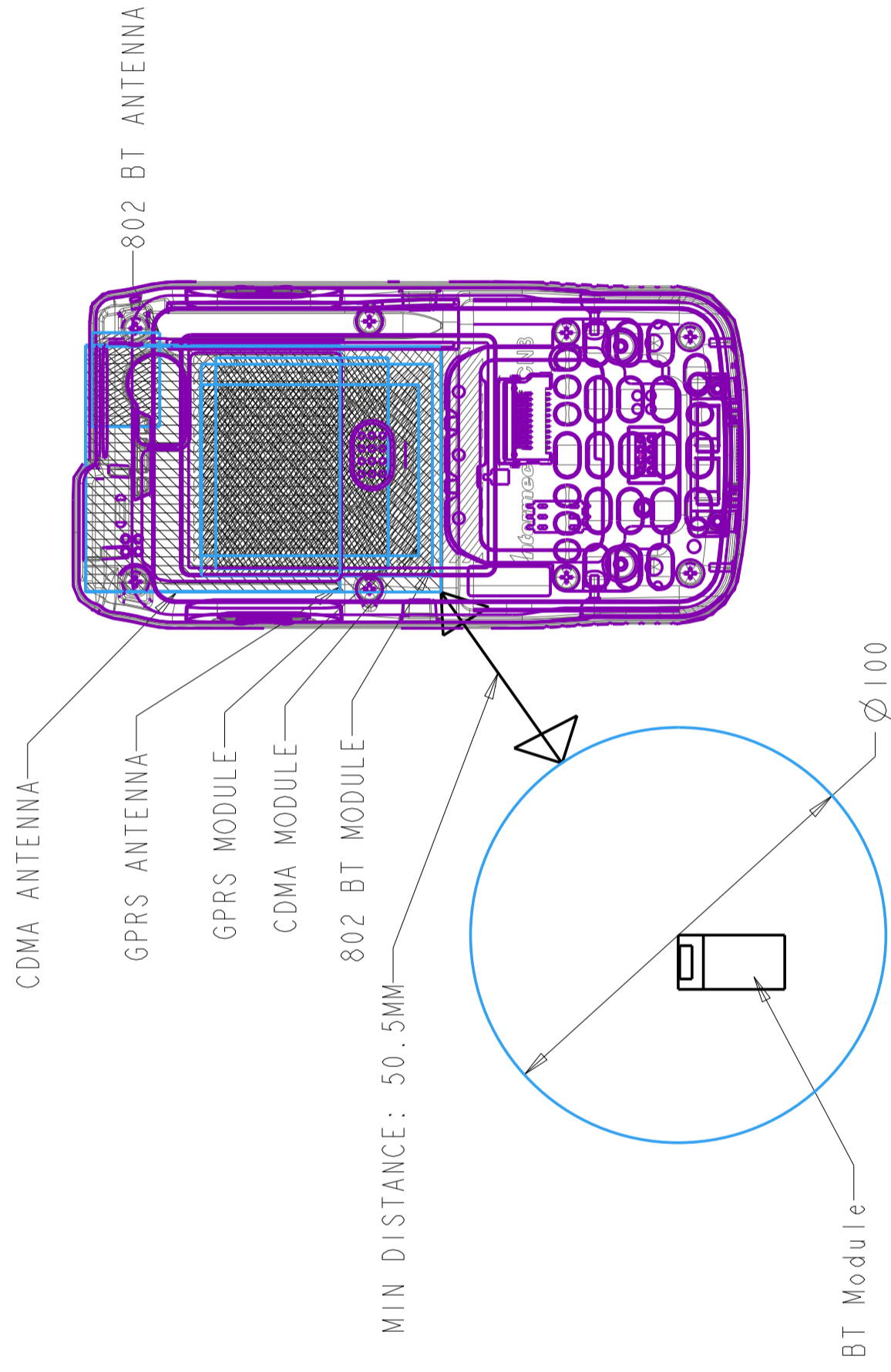
DO NOT SCALE THIS  
**METRIC**  
 DRAWING

UNLESS OTHERWISE SPECIFIED - DIMENSIONS ARE IN MILLIMETRES - THIRD ANGLE PROJECTION		TBD		TBD		TBD		TBD	
ITEM/ QTY	PART / MATL DESCRIPTION	MATL PART NO.	MATL DRAWING NO.	MATL SPEC	TBD				
DRAWN BY		DATE		TBD					
APPROVED		DATE		TBD					
RELEASE TO PRODUCTION		DATE		TBD					
VENTURE		VENTURE		TBD					
VENTURE		VENTURE		TBD					
VENTURE		VENTURE		TBD					
PART NUMBER		DRAWING NUMBER		TBD					
SCALE SHEET		SCALE SHEET		TBD					
OF		OF		TBD					
1		1		TBD					
1		1		TBD					

CN3E PDA &  
BT MODULE

A B C D E F G H J K

REV	REVISION SUMMARY	DATE



DO NOT SCALE THIS  
**METRIC**  
DRAWING

UNLESS OTHERWISE SPECIFIED - DIMENSIONS ARE IN MILLIMETRES - THIRD ANGLE PROJECTION	ITEM QTY	PART / MATL DESCRIPTION	MATL PART NO.	MATL DRAWING NO.	MATL SPEC
- TOLERANCES	APPROVED	DATE			
	RELEASE TO PRODUCTION	DATE			
FEATURE SIZE	0-20	.20-100	100-200	.200	
XX	±.05	±.07	±.10	±.20	
XXX	±.02	±.03	±.05	±.10	
XXXX	±.01	±.02	±.03	±.08	
			PART NUMBER		SCALE SHEET

CN3 PDA &  
BT MODULE

SCALE SHEET  
1 OF 1  
0.750 OF 1

Separation distance when PDA is installed in the printer docking.

