



RF EXPOSURE REPORT

REPORT NO.: SA961114L16J

MODEL NO.: CK60 (contains FCC ID:
HN2-BTM311)

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, 14th Ling, Chia Pau Tsuen, Lin Kou Hsiang
244, Taipei Hsien, Taiwan, R.O.C.

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



Collocated Bluetooth Printer (FCC ID: EHA-RN41A) 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 8 PDAs (actually are 3 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	
7	CK60	EHA802UIAG	WLAN abg	Interface 2 (large interface)
8	CK60 BT	HN2-BTM311	BT	

*PDA only for test support unit and supply by client.

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 $\leq P_{Ref}$ 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 7 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



Pw50 with CK60 (contains FCC IC: EHA802UIAG or FCC ID: HN2-BTM311 module)



Pw50



A

B

C

D

E

F

G

H

I

J

K

REV	REVISION SUMMARY	APPROVED	DATE

1

2

3

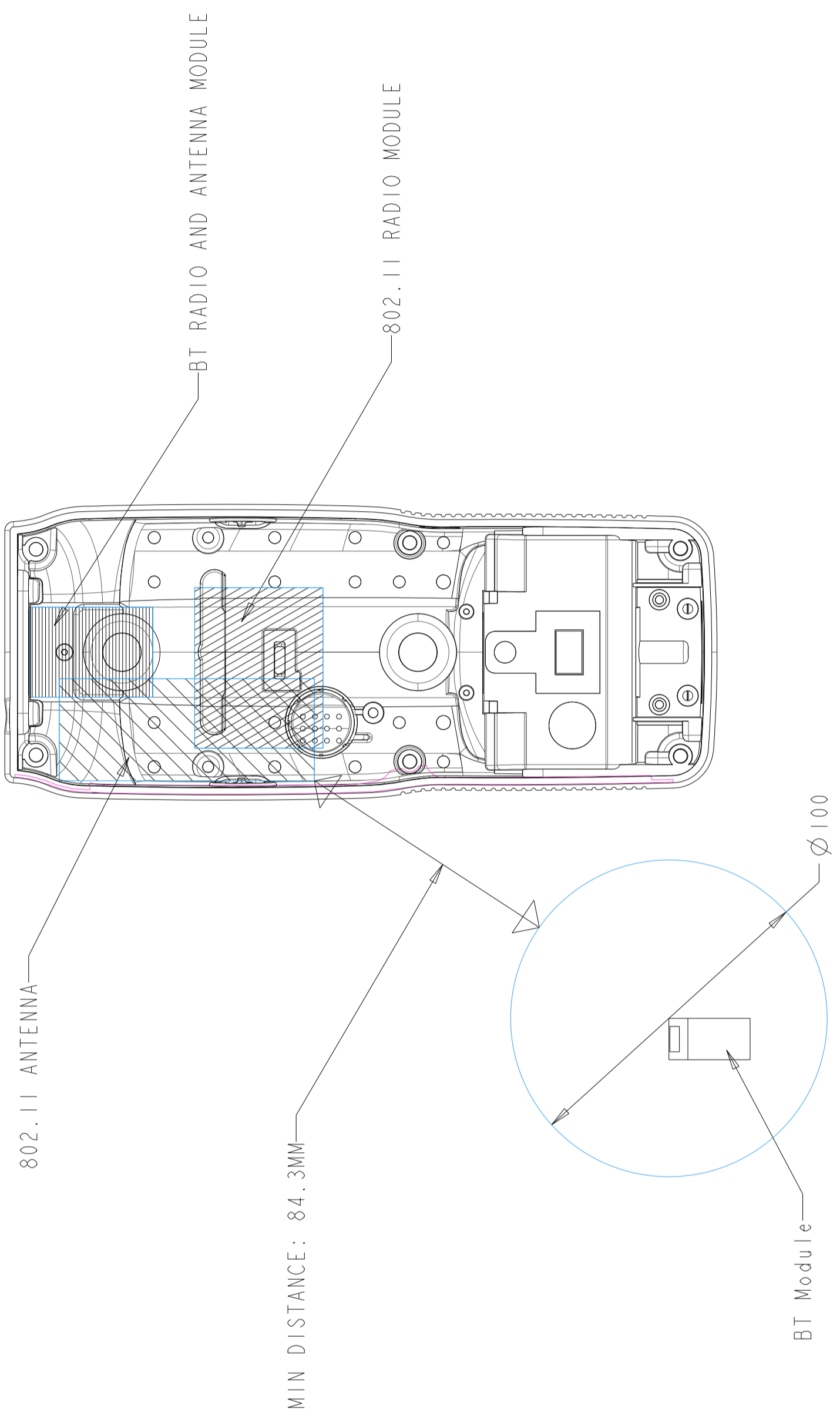
4

5

6

7

8



DO NOT SCALE THIS
METRIC
 DRAWING

UNLESS OTHERWISE SPECIFIED - DIMENSIONS ARE IN MILLIMETRES - THIRD ANGLE PROJECTION	ITEM QTY	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	DRAWN BY	VENTURE	PART / MATL DESCRIPTION	DATE	TBD	MATL PART NO.	MATL DRAWING NO.	MATL SPEC	TBD
	APPROVED	VENTURE	DATE	TBD	TITLE	CK60 PDA AND BT MODULE			
-TOLERANCES									
FEATURE SIZE									
0-20	±0.20	20-100	±0.10	100-200	±0.20				
XX	±0.05	±0.07	±0.10	±0.20					
XXX	±0.02	±0.03	±0.05	±0.10					
XXXX	±0.01	±0.02	±0.03	±0.06					
	PART NUMBER								SCALE SHEET
	DRAWING NUMBER								1
	TBD								OF
	TBD								1

A

B

C

D

E

F

G

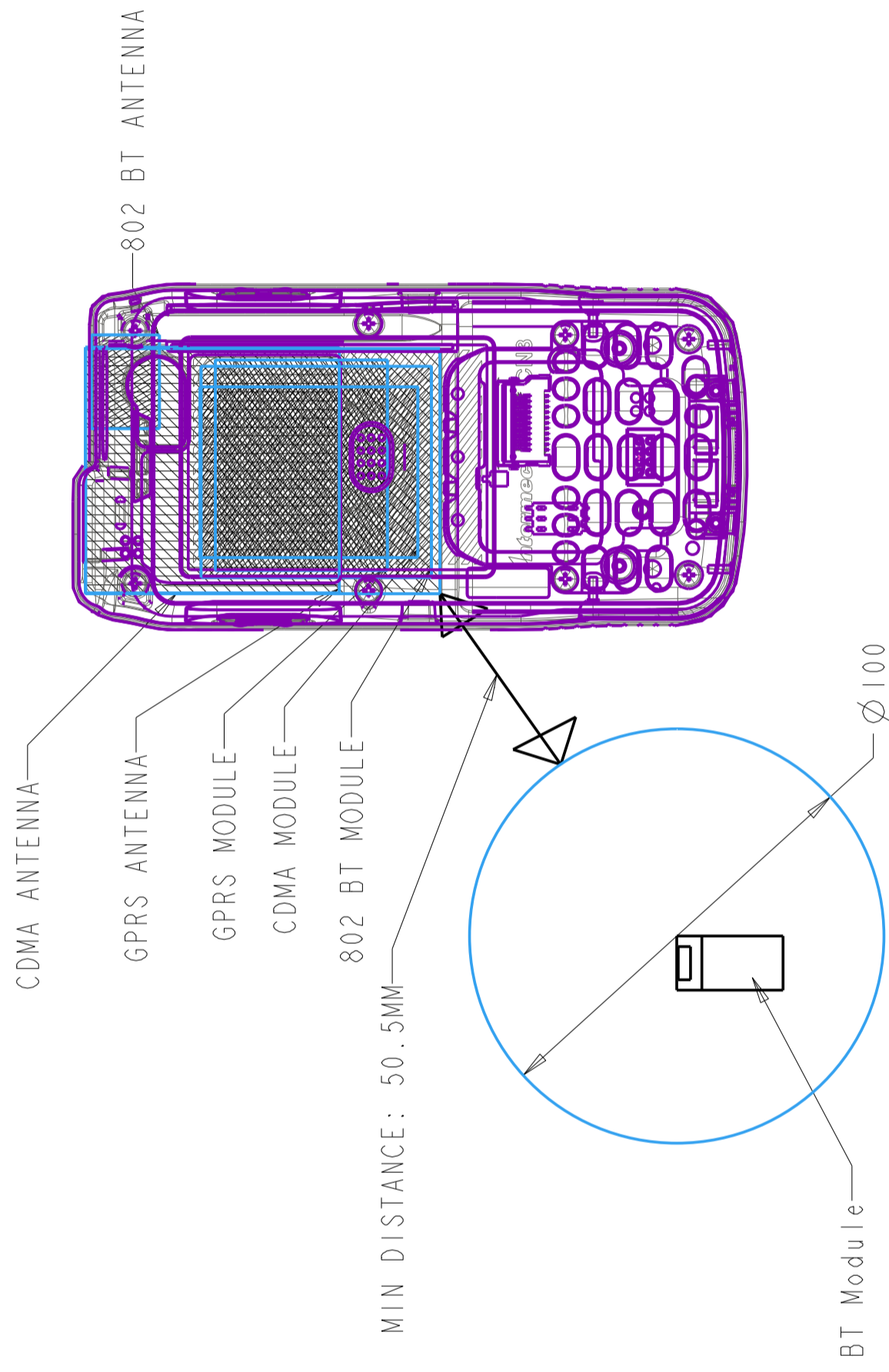
H

I

J

K

REV	REVISION SUMMARY	APPROVED	DATE

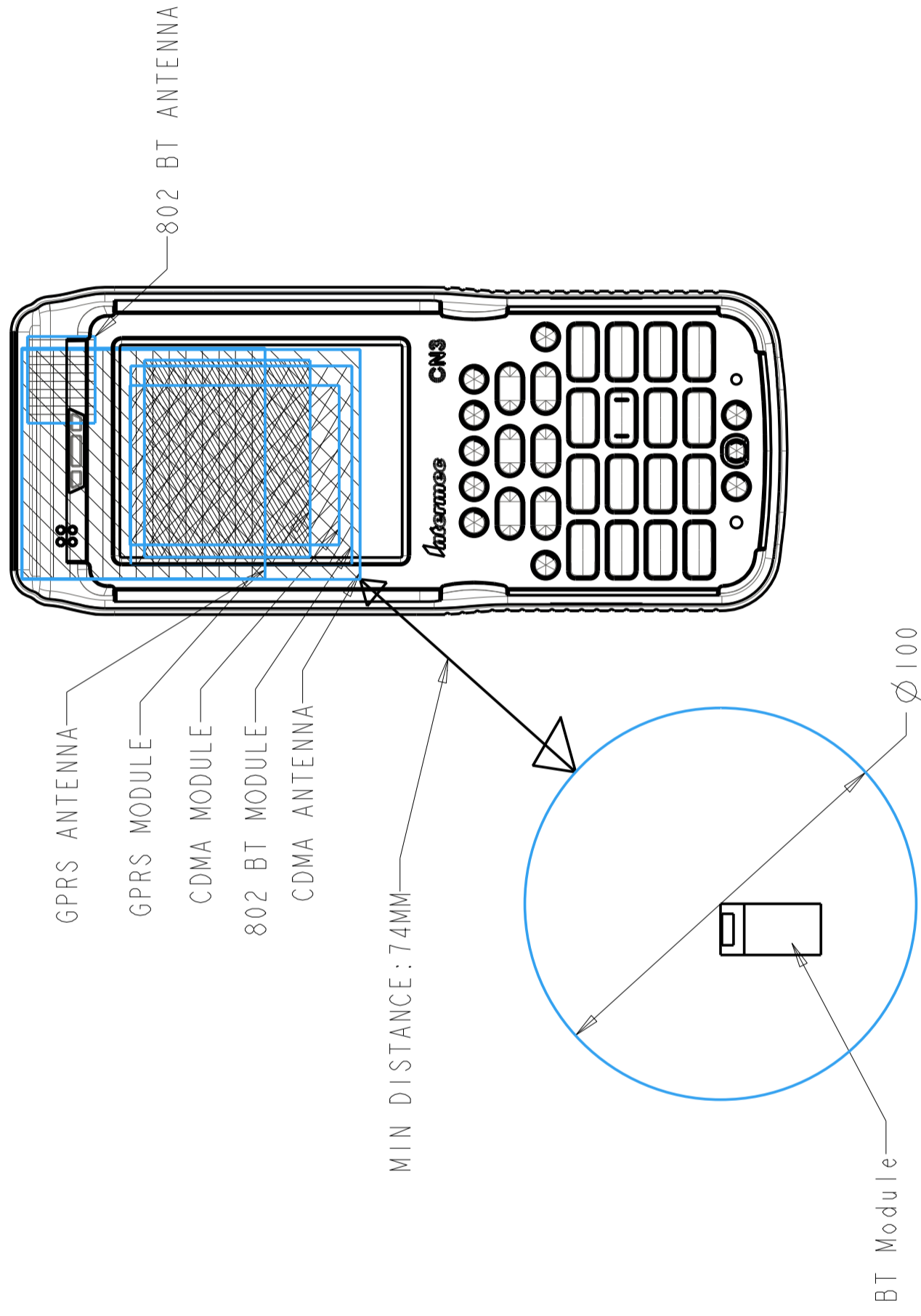


DO NOT SCALE THIS
METRIC
 DRAWING

UNLESS OTHERWISE SPECIFIED - DIMENSIONS ARE IN MILLIMETRES - THIRD ANGLE PROJECTION	ITEM QTY	TBD	TBD	TBD	TBD	TBD	TBD	
	DRAWN BY	VENTURE	DATE	TBD	MATL PART NO.	TBD	MATL DRAWING NO.	TBD
-TOLERANCES	APPROVED	VENTURE	DATE	TBD	TITLE			CN3 PDA & BT MODULE
	RELEASE TO PRODUCTION	VENTURE	DATE	TBD	PART NUMBER	TBD	DRAWING NUMBER	
FEATURE SIZE	0-20	±0.20	20-100	±0.10	100-200	±0.20	200	SCALE SHEET
XX	±0.05	±0.07	±0.10	±0.05	±0.10	±0.10	±0.10	1
XXX	±0.02	±0.03	±0.05	±0.05	±0.10	±0.10	±0.10	OF
XXXX	±0.01	±0.02	±0.03	±0.03	±0.08	±0.08	±0.08	1



REV	REVISION SUMMARY	APPROVED	DATE



DO NOT SCALE THIS
METRIC
DRAWING

UNLESS OTHERWISE SPECIFIED - DIMENSIONS ARE IN MILLIMETRES - THIRD ANGLE PROJECTION	ITEM/ QTY	TBD	TBD	TBD	TBD	TBD	TBD																
	DRAWN BY	VENTURE	PART / MATL DESCRIPTION	TBD	MATL PART NO.	TBD	MATL DRAWING NO.																
	APPROVED	VENTURE	DATE	TBD	TITLE	CN3E PDA & BT MODULE																	
	RELEASE TO PRODUCTION	VENTURE	DATE	TBD	PART NUMBER	TBD	DRAWING NUMBER																
TOLERANCES	<table border="1"> <tr> <th>FEATURE SIZE</th> <th>TOLERANCE</th> </tr> <tr> <td>0-20</td> <td>± 0.20</td> </tr> <tr> <td>20-100</td> <td>± 0.10</td> </tr> <tr> <td>100-200</td> <td>± 0.07</td> </tr> <tr> <td>>200</td> <td>± 0.05</td> </tr> <tr> <td>XX</td> <td>± 0.03</td> </tr> <tr> <td>XXX</td> <td>± 0.02</td> </tr> <tr> <td>XXXX</td> <td>± 0.01</td> </tr> </table>							FEATURE SIZE	TOLERANCE	0-20	± 0.20	20-100	± 0.10	100-200	± 0.07	>200	± 0.05	XX	± 0.03	XXX	± 0.02	XXXX	± 0.01
FEATURE SIZE	TOLERANCE																						
0-20	± 0.20																						
20-100	± 0.10																						
100-200	± 0.07																						
>200	± 0.05																						
XX	± 0.03																						
XXX	± 0.02																						
XXXX	± 0.01																						
SCALE SHEET	0.750						OF																
	TBD						1																
	TBD						1																

Separation distance when PDA is installed in the printer docking.

