

COMPONENT SPECIFICATION

APPROVED SUPPLIERS

Manufacturer	Address/Telephone	805-624	Manufacturer's Part No.
Centurion International, Inc.	P.O. Box 82846 Lincoln, NE 68501 (402) 467-4491	-001	CAF28958

1.0 Scope: This specification describes the requirements for a triband antenna designed for the Model 761 handheld computer supplied as follows:

<u>Intermec P/N</u>	<u>Description</u>
-001	Antenna, North America CDMA and GPRS

2.0 Quality Assurance: Intermec Receiving Inspection reserves the right to use AQL sampling techniques when inspecting a lot.

REVISION HISTORY

Rev.	File No.	Description of Change	Date	Approved
1	- - -	Prerelease	3/23/04	S K
A	C4328	Release spec, Add manufacturer P/N, Revise ¶1.0	7/13/04	H R E

[illegible]

3.0 Packaging: All antennas will be packaged in containers capable of protecting them from damage in common carrier shipping and handling.

4.0 Markings: Each container will be labeled or otherwise marked with the manufacturer's name or trademark, and the catalog designation. Major shipping cartons will be marked with the Intermec part number.

5.0 Antenna Specifications:

5.1 Nominal Frequencies: 850 MHz, 1575 MHz and 1900 MHz

5.2 Frequency Range.:

Mode	Low	Mid.	High
PCS Transmit:	1850	1880	1910 MHz
PCS Receive:	1930	1960	1990 MHz
GPS:	1574	1575	1576 MHz
CDMA 800 (TX):	824	836	849 MHz
CDMA 800 (RX):	869	881	894 MHz

5.3 Peak Antenna Gain:

Mode	RX\TX	Retracted/INT
PCS:	3 dBi min.	2 dBi min.
GPS:	0 dBi min.	-1 dBi min.
CDMA 800:	2 dBi min.	0 dBi min.

5.4 Free Space Maximum VSWR:

Mode	Low	Mid.	High (Max.)
PCS (TX):	2.0	1.5	1.5
PCS (RX):	1.5	1.5	2.0
GPS:	3.0	3.0	3.0
CDMA 800 (TX):	2.3	1.8	1.5
CDMA 800 (RX):	1.5	1.8	2.3

5.5 Power: 2 Watts

5.6 Polarization: Linear

5.7 Nominal Impedance: 50 Ohms

5.8 Radiation pattern : Omni-directional when antenna is held in a vertical orientation

6.0 Mechanical Ratings:

6.1 Antenna Weight: Not specified

6.2 Ambient Operating Temperature: -30 C to +60 C

6.3 Antenna Interconnection Means: Standard sex SMA plug

7.0 Materials:

7.1 Radiator Element: TBD

7.2 Coaxial Plug: SMA

7.3 Ferrule/plug: TBD

7.4 Adhesive: TBD if need betwwen radome and ferrule

7.5 Radome material : TBD

8.0 Outline Drawing (Inch):

Length - 2.1" (53mm) nominal
Diameter - 0.4" (10mm) nominal

