

Exhibit A: Antenna Information

FCC ID: HN2MG18

| Manufacturer | Address/Telephone | 805-575 | Manufacturer's Part No. |
|-------------------------------|--|---------|-------------------------|
| Centurion International, Inc. | P.O. Box 82846 Lincoln, NE 68501 (402) 467-4491 | -001 | CAF25977 |
| | | -002 | CAF25941 |
| | | -003 | Not Available |
| | | -004 | Not Available |
| Mobile Mark, Inc. | 3900-B River Road Schiller Park, IL 60176 (847) 671-6690 | -001 | Not Available |
| | | -002 | Not Available |
| | | -003 | PSTG0-859CI |
| | | -004 | PSTG0-837CI |

- | <u>Intermec P/N</u> | <u>Color Code</u> | <u>Nominal Frequency</u> | <u>Rated Power</u> |
|---------------------|-------------------|--------------------------|--------------------|
| -001 | green | 900 MHz | 10 Watts |
| -002 | blue | 1800 MHz | 10 Watts |
| -003 | yellow | 860 MHz | 10 Watts |
| -004 | red | 838 MHz | 10 Watts |

- ## REVISION HISTORY

| Rev. | File No. | Description of Change | Date | Approved |
|------|----------|---|----------|----------|
| A | C2397 | Release | 9/21/00 | L A |
| B | C2619 | Add -002 part, Revise ¶1.0, ¶5.1 Was 824 to 896MHz, ¶5.2 Was n/s, ¶5.3 Was 1.5, ¶5.7 was 10Ω, Insert ¶7.0 | 2/23/01 | L W |
| C | C2895 | Add -003 & -004 parts, Revise ¶1.0, ¶4.0 Add Individual parts will be marked ..., ¶5.7 50Ω was 10Ω, ¶7.0 896 to 940 MHz was 824 to 896 MHz, 1710 to 1880 MHz was 1800 MHz nom, add -003 & -004, & add color code, ¶8.0 Add color code, Add ¶9.0 | 8/14/01 | L W |
| D | C2903 | ¶1.0 Green was blue & blue was green, ¶7.0 Green was blue & blue was green | 8/27/01 | L W |
| E | C3043 | ¶6.4 See parts tabulation was not specified, ¶7.0 Add gain & wave length | 11/26/01 | L W |

[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:** Individual parts will be marked with a distinguishing color code. Each container will be labeled or otherwise marked with the manufacturer's name or trademark, and the part number designation. Major shipping cartons will be marked with the Intermec part number.

5.0 **Antenna Specifications:**

5.1 Frequency Range: See parts tabulation

5.2 Antenna Gain: See parts tabulation

5.3 VSWR (at resonance): See parts tabulation

5.4 Power Rating: 10 Watts

5.5 Radiation: Omnidirectional

5.6 Polarization: Not specified

5.7 Nominal Impedance: 50Ω

6.0 **Mechanical Ratings:**

6.1 Antenna Material: Not specified

6.2 Sheath Material: Polyurethane, black color

6.3 Mounting Means: Die-cast M5 x 0.5 -6g male thread mount

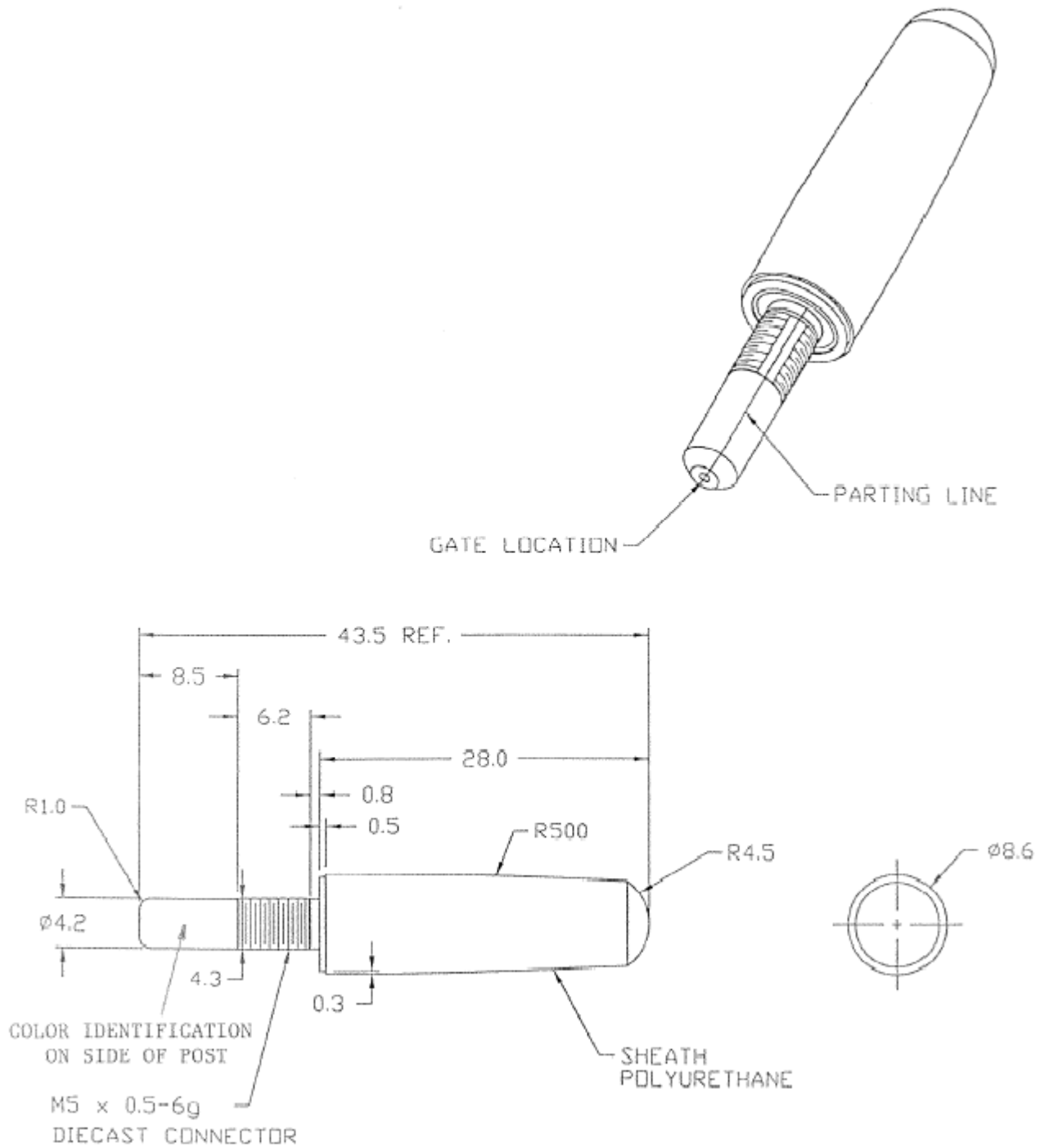
6.4 Element Length: See parts tabulation

6.5 Ambient Operating Temperature: -40°C to +85°C

7.0 **Parts Tabulation:**

| <u>Part No.</u> | <u>Frequency Range</u> | <u>Color Code</u> | <u>Application</u> | <u>VSWR</u> | <u>Gain</u> | <u>Wave Length</u> |
|-----------------|------------------------|-------------------|--------------------|-------------|-------------|--------------------|
| -001 | 896 to 940 MHz | green | Mobitex | <2:1 | -6 dBi | 1/16 |
| -002 | 1710 to 1880 MHz | blue | GSM | <2:1 | -3 dBi | 1/8 |
| -003 | 824 to 894 MHz | yellow | CDPD | <2:1 | -6 dBi | 1/16 |
| -004 | 806 to 870 MHz | red | Motient/Ardis | <2:1 | -6 dBi | 1/16 |

8.0 Outline Drawing (mm): Rounded tip style, -001 & -002 Parts



9.0 Alternative Outline Drawing (mm): Indented tip style, -003 & -004 Parts

