Subject: Base Station Antenna List

Date: 11 Jun 2007 Document ref: 6RT118 01

### 1 Summary

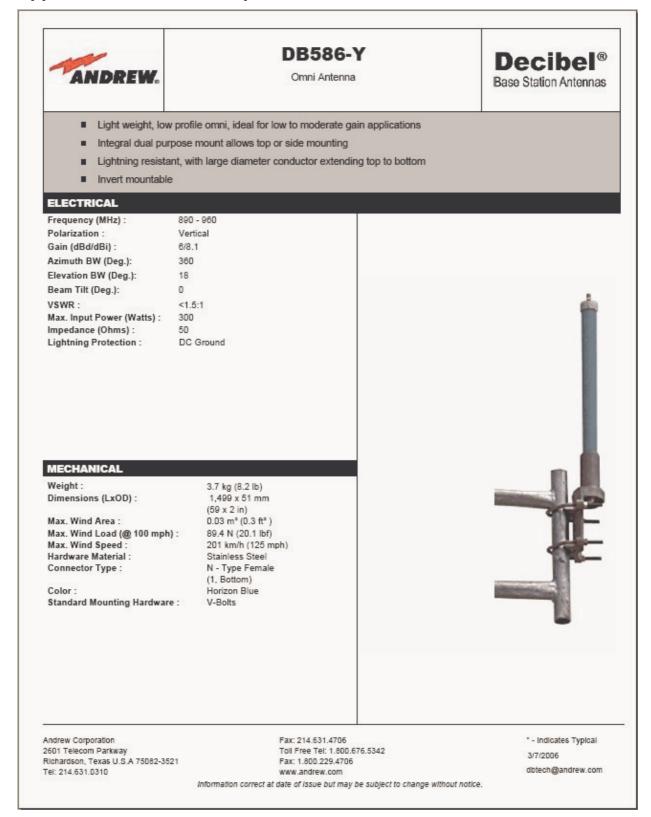
The antennas listed below have been identified as being suitable for use as the radiating antenna structure for the AMPY base station radio system. As part of FCC authorisation, the antenna (or antennas) and the base station need to be authorised together (FCC Part 15.204). The antenna data sheets are appended to this document.

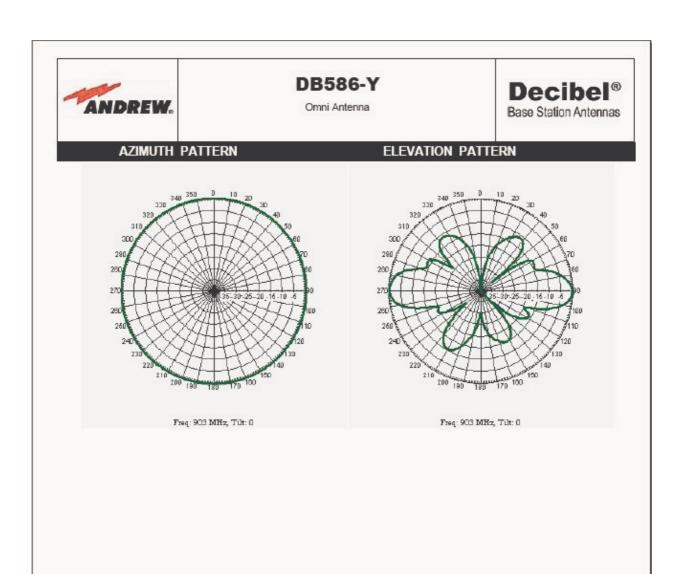
| Antenna Type       | Manufacturer       | Model    | Antenna Gain (dBi) |
|--------------------|--------------------|----------|--------------------|
| Vertical Collinear | Andrew Corporation | DB586-Y  | 8.1                |
| Vertical Collinear | Kathrein-Scala     | OGB6-915 | 8.1                |
| Vertical Collinear | Jaybeam            | 7586 900 | 8.1                |
| Vertical Collinear | Jaybeam            | 7556 915 | 7.5                |

#### 2 FCC EIRP Limit

The antennas are vertical collinear antennas having an omni-directional radiation pattern and a nominal gain less than +9 dBi. The base station radio transmitter output power is less than +27 dBm. When used together, the FCC EIRP limit of +36 dBm under Part 15.247 is not exceeded.

## Appendix A Andrew Corporation DB586-Y





Andrew Corporation 2601 Telecom Parkway Richardson, Texas U.S.A 75082-3521 Tel: 214.631.0310 Fax: 214.631.4706 Toll Free Tel: 1.800.676.5342 Fax: 1.800.229.4706 www.andrew.com

Information correct at date of issue but may be subject to change without notice.

\* - Indicates Typical 3/7/2006 dbtech@andrew.com

# Appendix B Kathrein-Scala OGB6-915



#### OGB6-915

#### Omnidirectional Antenna

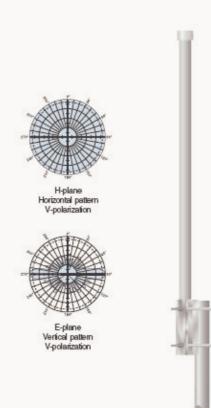
Kathrein Scala's omnidirectional antennas for wireless, paging, SMR and mobile applications are extremely robust, using the finest fiberglass, brass, and aluminum. Applicable mounting hardware is fabricated from stainless steel. Many models may be mounted inverted. Higher gain antennas can be provided with downtit, as well.

- · Wireless
- Paging
- · SMR
- · Land Mobile
- · ISM

#### Specifications:

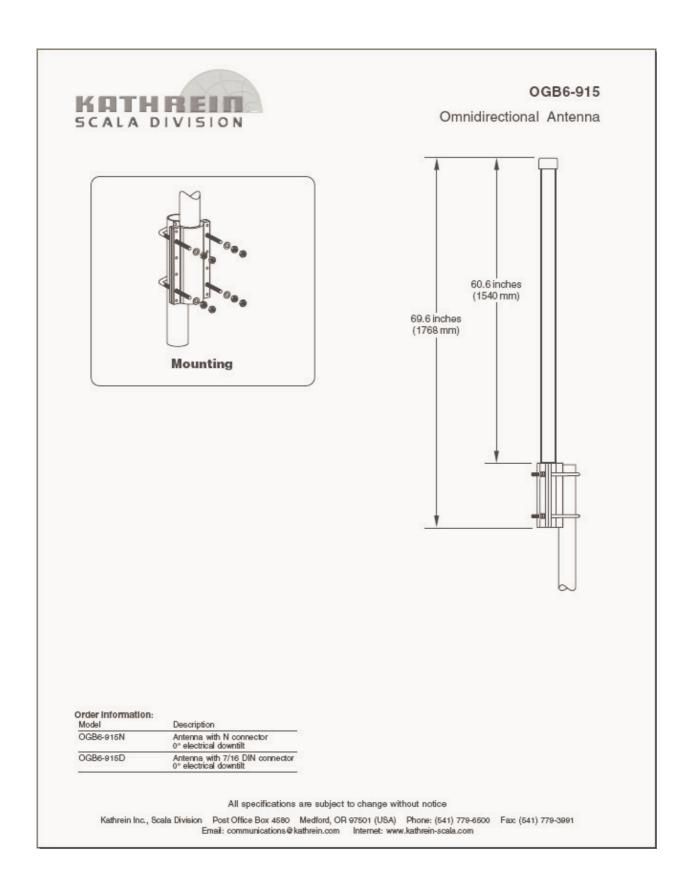
| Frequency range            | 870-960 MHz                                     |  |
|----------------------------|---|--|
| Gain                       | 6 dBd   |  |
| Impedance                  | 50 ohms   |  |
| VSWR                       | < 1.5:1   |  |
| Intermodulation (2x20w)    | IM3: -150dBc                                    |  |
| Polarization               | Vertical  |  |
| Maximum input power        | 500 watts (at 50°C)                             |  |
| H-plane beamwidth          | Omni  |  |
| E-plane beamwidth          | 13 degrees (half-power)                         |  |
| Connector                  | N or 7/16 DIN female                            |  |
| Weight                     | 12 lb (5.4 kg)                                  |  |
| Height                     | 60.6 inches (1540 mm)                           |  |
| Radome diameter            | 2 inches (51 mm)                                |  |
| Wind survival rating       | 120 mph (200 kph)                               |  |
| Equivalent flat plate area | 0.81 ft² (0.076 m²)                             |  |
| Shipping dimensions        | 70 x 6 x 5 inches<br>(1778 x 153 x 127 mm)      |  |
| Shipping weight            | 14 lb (6.4 kg)                                  |  |
| Mounting                   | Formasts of 2 to 3.75 inch<br>(50 to 94 mm) OD. |  |

<sup>\*</sup>Mechanical design is based on environmental conditions as stipulated in EIA-222-F (June 1996) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.

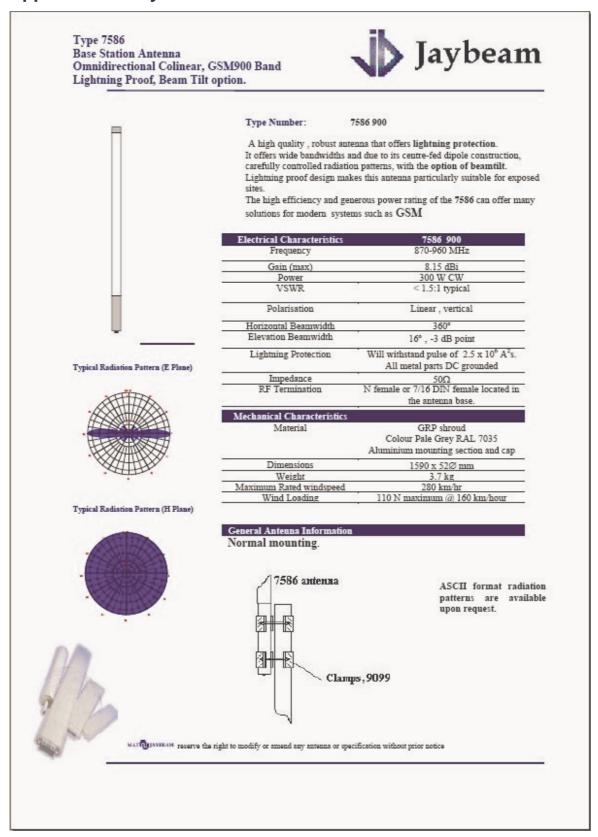




Kathrein Inc., Scala Division Post Office Box 4580 Medford, OR 97501 (USA) Phone: (541) 779-6500 Fax: (541) 779-3991 Email: communications@kathrein.com Internet: www.kathrein.scala.com



### Appendix C Jaybeam 7586 900



### Appendix D Jaybeam 7556 915

