



**ANDREW**<sup>®</sup>  
A CommScope Company



**DECIBEL  
PRODUCTS**

## VHF EXPOSED DIPOLE OMNI ANTENNAS

360° Horizontal Beamwidth (HBW), Vertical Polarization

| Model              | Type                            | Frequency (MHz)    | Tilt degrees | Gain dBd (dBi)       | HBW degrees    | VBW degrees     | F/B dB       | VSWR                 | Max. Input Power. W | Weight kg (lb)        | Length mm (in)          | Width mm (in) |
|--------------------|---------------------------------|--------------------|--------------|----------------------|----------------|-----------------|--------------|----------------------|---------------------|-----------------------|-------------------------|---------------|
| DB222-A            | Omni, exposed dipole            | 150-158            | 0            | 3.0 (5.1)            | 360            | 36.0            | —            | <1.5:1               | 500                 | 7.3 (16.0)            | 3226 (127.0)            | —             |
| DB222-B            | Omni, exposed dipole            | 158-166            | 0            | 3.0 (5.1)            | 360            | 36.0            | —            | <1.5:1               | 500                 | 7.3 (16.0)            | 3226 (127.0)            | —             |
| DB222-C            | Omni, exposed dipole            | 166-174            | 0            | 3.0 (5.1)            | 360            | 36.0            | —            | <1.5:1               | 500                 | 7.3 (16.0)            | 3226 (127.0)            | —             |
| <del>DB222-E</del> | <del>Omni, exposed dipole</del> | <del>143-150</del> | <del>0</del> | <del>3.0 (5.1)</del> | <del>360</del> | <del>36.0</del> | <del>—</del> | <del>&lt;1.5:1</del> | <del>500</del>      | <del>7.3 (16.0)</del> | <del>3226 (127.0)</del> | <del>—</del>  |
| DB222-F            | Omni, exposed dipole            | 136-143            | 0            | 3.0 (5.1)            | 360            | 36.0            | —            | <1.5:1               | 500                 | 7.3 (16.0)            | 3226 (127.0)            | —             |
| DB224-A            | Omni, exposed dipole            | 150-160            | 0            | 6.0 (8.1)            | 360            | 16.0            | —            | <1.5:1               | 500                 | 15.9 (35.0)           | 6477 (255.0)            | —             |
| DB224-B            | Omni, exposed dipole            | 155-165            | 0            | 6.0 (8.1)            | 360            | 16.0            | —            | <1.5:1               | 500                 | 15.9 (35.0)           | 6477 (255.0)            | —             |
| DB224-C            | Omni, exposed dipole            | 164-174            | 0            | 6.0 (8.1)            | 360            | 16.0            | —            | <1.5:1               | 500                 | 15.9 (35.0)           | 6477 (255.0)            | —             |
| DB224-E            | Omni, exposed dipole            | 138-150            | 0            | 6.0 (8.1)            | 360            | 16.0            | —            | <1.5:1               | 500                 | 17.2 (38.0)           | 6858 (270.0)            | —             |
| DB224-FAA          | Omni, exposed dipole            | 127-141            | 0            | 6.0 (8.1)            | 360            | 16.0            | —            | <1.5:1               | 500                 | 17.2 (38.0)           | 7087 (279.0)            | —             |
| DB224-F            | Omni, exposed dipole            | 160-170            | 0            | 6.0 (8.1)            | 360            | 16.0            | —            | <1.5:1               | 500                 | 15.9 (35.0)           | 6477 (255.0)            | —             |
| DB224-SM           | Omni, exposed dipole            | 139-143            | 0            | 6.0 (8.1)            | 360            | 16.0            | —            | <1.4:1               | 500                 | 14.5 (32.0)           | 6477 (255.0)            | 51 (2.0)      |
| DB264-A            | Omni, exposed dipole            | 150-160            | 0            | 6.0 (8.1)            | 360            | 16.0            | —            | <1.5:1               | 300                 | 16.3 (36.0)           | 6553 (258.0)            | —             |
| DB264-B            | Omni, exposed dipole            | 155-165            | 0            | 6.0 (8.1)            | 360            | 16.0            | —            | <1.5:1               | 300                 | 16.3 (36.0)           | 6553 (258.0)            | —             |
| DB264-C            | Omni, exposed dipole            | 164-174            | 0            | 6.0 (8.1)            | 360            | 16.0            | —            | <1.5:1               | 300                 | 16.3 (36.0)           | 6553 (258.0)            | —             |
| DB228-A            | Omni, exposed dipole            | 150-160            | 0            | 9.0 (11.1)           | 360            | 8.0             | —            | <1.5:1               | 500                 | 32.7 (72.0)           | 12395 (488.0)           | —             |
| DB228-B            | Omni, exposed dipole            | 155-165            | 0            | 9.0 (11.1)           | 360            | 8.0             | —            | <1.5:1               | 500                 | 32.7 (72.0)           | 12395 (488.0)           | —             |
| DB228-C            | Omni, exposed dipole            | 164-174            | 0            | 9.0 (11.1)           | 360            | 8.0             | —            | <1.5:1               | 500                 | 32.7 (72.0)           | 12395 (488.0)           | —             |

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## UHF EXPOSED DIPOLE OMNI ANTENNAS

| Model                   | Type                                  | Frequency (MHz)    | Tilt degrees | Gain dBd (dBi)         | HBW degrees    | VBW degrees     | USLS dB      | F/B dB       | Isolation dB | VSWR                 | Max. Input Power, W | Weight kg (lb)         | Length mm (in)          |
|-------------------------|---------------------------------------|--------------------|--------------|------------------------|----------------|-----------------|--------------|--------------|--------------|----------------------|---------------------|------------------------|-------------------------|
| DB404-A                 | Omni, exposed dipole                  | 406-420            | 0            | 3.8 (5.9)              | 360            | 27.0            | —            | —            | —            | <1.5:1               | 250                 | 6.4 (14.0)             | 1524 (60.0)             |
| DB404-B                 | Omni, exposed dipole                  | 450-470            | 0            | 3.8 (5.9)              | 360            | 27.0            | —            | —            | —            | <1.5:1               | 250                 | 6.4 (14.0)             | 1524 (60.0)             |
| DB408-A                 | Omni, exposed dipole                  | 406-420            | 0            | 6.6 (8.7)              | 360            | 14.0            | —            | —            | —            | <1.5:1               | 250                 | 7.7 (17.0)             | 2870 (113.0)            |
| DB408-B                 | Omni, exposed dipole                  | 450-470            | 0            | 6.6 (8.7)              | 360            | 14.0            | —            | —            | —            | <1.5:1               | 250                 | 7.7 (17.0)             | 2870 (113.0)            |
| DB408-C                 | Omni, exposed dipole                  | 470-488            | 0            | 6.6 (8.7)              | 360            | 14.0            | —            | —            | —            | <1.5:1               | 250                 | 7.7 (17.0)             | 2870 (113.0)            |
| <del>DB408-D</del>      | <del>Omni, exposed dipole</del>       | <del>488-512</del> | <del>0</del> | <del>6.6 (8.7)</del>   | <del>360</del> | <del>14.0</del> | <del>—</del> | <del>—</del> | <del>—</del> | <del>&lt;1.5:1</del> | <del>250</del>      | <del>7.7 (17.0)</del>  | <del>2870 (113.0)</del> |
| DB411-B                 | Quasi-Omni, exposed dipole            | 450-470            | 0            | 9.0 (11.1)             | 360            | 14.0            | —            | —            | —            | <1.5:1               | 250                 | 11.3 (25.0)            | 2870 (113.0)            |
| <del>DB413-B</del>      | <del>Quasi-Omni, exposed dipole</del> | <del>450-470</del> | <del>0</del> | <del>12.0 (14.1)</del> | <del>360</del> | <del>7.0</del>  | <del>—</del> | <del>—</del> | <del>—</del> | <del>&lt;1.5:1</del> | <del>250</del>      | <del>14.5 (32.0)</del> | <del>5588 (220.0)</del> |
| <del>DISCONTINUED</del> |                                       |                    |              |                        |                |                 |              |              |              |                      |                     |                        |                         |
| DB420-A                 | Omni, exposed dipole                  | 406-420            | 0            | 9.2 (11.3)             | 360            | 7.0             | —            | —            | —            | <1.5:1               | 250                 | 15.4 (34.0)            | 5867 (231.0)            |
| DB420-B                 | Omni, exposed dipole                  | 450-470            | 0            | 9.2 (11.3)             | 360            | 7.0             | —            | —            | —            | <1.5:1               | 250                 | 15.6 (34.5)            | 5918 (233.0)            |
| DB420-C                 | Omni, exposed dipole                  | 470-488            | 0            | 9.2 (11.3)             | 360            | 7.0             | —            | —            | —            | <1.5:1               | 250                 | 15.2 (33.5)            | 5766 (227.0)            |
| DB420-D                 | Omni, exposed dipole                  | 488-512            | 0            | 9.2 (11.3)             | 360            | 7.0             | —            | —            | —            | <1.5:1               | 250                 | 14.5 (32.0)            | 5385 (212.0)            |

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