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## MG41E and MG51E Cellular Dipole Antenna Datasheet

Note - Do not mix MG21E, MG41 and MG51E dipole antennas

The dipole antennas (MA-ANT-C2-A) are included with the MG41E and MG51E. When in use the dipoles have a spherical coverage in comparison to a patch antenna. The dipole antennas will excel at allowing users to place the MG in areas where a directional patch antenna cannot be mounted. The dipoles are directly attached to the MG41E/MG51E and require no additional mounting hardware.



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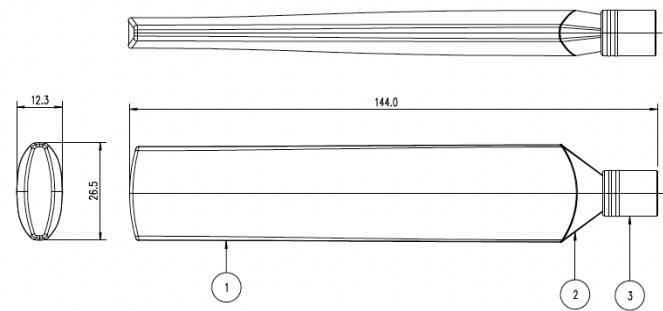
## Specifications

| Category   | Specifications                |
|------------|-------------------------------|
| Electrical | <b>Antenna Type</b><br>Dipole |
|            | <b>Frequency Range</b>        |

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|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                          | <ul style="list-style-type: none"> <li>• 692 (617 - 692) MHz</li> <li>• 960 (698 - 960) MHz</li> <li>• 1515 (1445 - 1515) MHz</li> <li>• 2700 (1710 - 2700) MHz</li> <li>• 5000 (3300 - 5000) MHz</li> <li>• 6000 (5150 - 6000) MHz</li> </ul> <p><b>Peak Gain (per range)</b></p> <ul style="list-style-type: none"> <li>• 692 @ 0.26dBi</li> <li>• 960 @ 0.67dBi</li> <li>• 1515 @ 2.03dBi</li> <li>• 2700 @ 3.37dBi</li> <li>• 5000 @ 3.91dBi</li> <li>• 6000 @ 4.26dBi</li> </ul> <p><b>Polarization</b></p> <p>Linear, vertical</p> |
| <p><b>Physical and Environmental</b></p> | <p><b>Dimensions</b></p> <p>144mm x 26.5mm x 12.3mm</p> <p><b>Material of Radiator</b></p> <p>PCB</p> <p><b>Material of Plastic</b></p> <p>PC</p> <p><b>Operational Temperature</b></p> <p>-40°C to +65°C (-40°F to 149°F)</p>                                                                                                                                                                                                                                                                                                           |

|                             |                                                                                                                         |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------|
|                             | <p><b>Storage Temperature</b></p> <p>-40°C to +80°C (-40°F to 176°F)</p> <p><b>Connector</b></p> <p>RP-SMA (female)</p> |
| <b>Warranty</b>             | 1 year hardware warranty included                                                                                       |
| <b>Ordering Information</b> | MA-ANT-C2-A                                                                                                             |
| <b>Regulatory</b>           | <p><b>Certified for use with the MG41E and MG51E</b></p> <p>MA-ANT-C2-A</p>                                             |



# MA-ANT-C2-A

Radiation pattern

