LTE Full Band & GPS antenna

RFA-LTE-GPS-C55-B70

Specifications

<table>
<thead>
<tr>
<th>Frequency (MHz)</th>
<th>698-791</th>
<th>824-960</th>
<th>1575.42</th>
<th>1710-2170</th>
<th>2300-2700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak gain (dBi)</td>
<td>1.19</td>
<td>0.24</td>
<td>1.56</td>
<td>2.12</td>
<td>3.79</td>
</tr>
<tr>
<td>VSWR</td>
<td>4.5 : 1 Max.</td>
<td>4.5 : 1 Max.</td>
<td>3.0 : 1 Max.</td>
<td>3.5 : 1 Max.</td>
<td>2.0 : 1 Max.</td>
</tr>
<tr>
<td>Polarization</td>
<td>Linear, vertical</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Impedance</td>
<td>50 Ω</td>
<td></td>
<td></td>
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<tr>
<td>Connector</td>
<td>SMA PLUG</td>
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</tbody>
</table>

Environment & Mechanical Characteristics

Temperature: -10°C to +55°C
Humidity: 95% @ 25°C

VSWR

8F, No.63, Juguang Rd, Zhonghe Dist, New Taipei City 235, Taiwan, R.O.C.
Tel: +886-2-2225-8209   Fax: +886-2-2225-7523   www.aristotle.com.tw
Radiation Pattern

L1 Band = 698 - 830 MHz % LTE-L Band

XY Plane (+X = 0°, +Y = +90°) / Elevation = 90°

YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90°

ZX Plane (+Z = 0°, +X = +90°) / Azimuth = 0°
Radiation Pattern

L2 Band = 831 - 960 MHz % LTE-L Band

XY Plane (+X = 0°, +Y = +90°) / Elevation = 90°

YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90°

ZX Plane (+Z = 0°, +X = +90°) / Azimuth = 0°
Radiation Pattern

JP Band = 1260 - 1600 MHz ½ LTE-JP Band

XY Plane (+X = 0°, +Y = +90°) / Elevation = 90°

YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90°

ZX Plane (+Z = 0°, +X = +90°) / Azimuth = 0°
Radiation Pattern

H1 Band = 1710 - 1980 MHz ¼ LTE-H1 Band

XY Plane (+X = 0°, +Y = +90°) / Elevation = 90°

YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90°

ZX Plane (+Z = 0°, +X = +90°) / Azimuth = 0°
Radiation Pattern

H2 Band = 1990 - 2300 MHz ¼ LTE-H2 Band

XY Plane (+X = 0°, +Y = +90°) / Elevation = 90°

ZX Plane (+Z = 0°, +X = +90°) / Azimuth = 0°

YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90°
Radiation Pattern

H3 Band = 2301 - 2700 MHz % LTE-H2 Band

XY Plane (+X = 0°, +Y = +90°) / Elevation = 90°

YZ Plane (+Z = 0°, +Y = +90°) / Azimuth = 90°

ZX Plane (+Z = 0°, +X = +90°) / Azimuth = 0°