Indoor Coverage and High Speed Dual Enhancer for 1700 MHz AWS Applications

Product Classification

Product Type
RF repeater unit

General Specifications

Antenna Interface at Repeater
SMA Female

Indoor Antenna
Optional, not included

Optional Antenna Gain
2 dBi

Optional Antenna Type
Omni

Performance Note
Values typical, unless otherwise stated

Supervision/Control Option
Heartbeat via SMS | Remote control

Dimensions

Height
240 mm | 9.449 in

Width
240 mm | 9.449 in

Optional Antenna Length
90 mm | 3.543 in

Depth
35 mm | 1.378 in

Electrical Specifications

Gain
78 dB

Gain Adjustment Range
30 dB

License Band
AWS 1700

Local Power
6 Vdc

Mains Power
100–240 Vac

Return Loss
10 dB

Power Consumption
20 W
### Electrical Specifications, Rx (Uplink)

<table>
<thead>
<tr>
<th>Operating Frequency Band</th>
<th>1710 – 1755 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Power @ One Carrier</td>
<td>18 dBm (UMTS)</td>
</tr>
<tr>
<td></td>
<td>22 dBm (CDMA)</td>
</tr>
<tr>
<td>Output Power @ Two Carriers</td>
<td>15 dBm (UMTS)</td>
</tr>
<tr>
<td></td>
<td>19 dBm (CDMA)</td>
</tr>
</tbody>
</table>

### Electrical Specifications, Tx (Downlink)

<table>
<thead>
<tr>
<th>Operating Frequency Band</th>
<th>2110 – 2155 MHz</th>
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</thead>
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<tr>
<td>Output Power @ One Carrier</td>
<td>18 dBm (UMTS)</td>
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</table>

### Environmental Specifications

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>+5 °C to +40 °C (+41 °F to +104 °F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingress Protection Test Method</td>
<td>IEC 60529:2001, IP30</td>
</tr>
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</table>

### Packaging and Weights

<table>
<thead>
<tr>
<th>Weight, net</th>
<th>1.5 kg</th>
<th>3.307 lb</th>
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### Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
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<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
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</table>

### Footnotes

**EVM**

Error Vector Magnitude