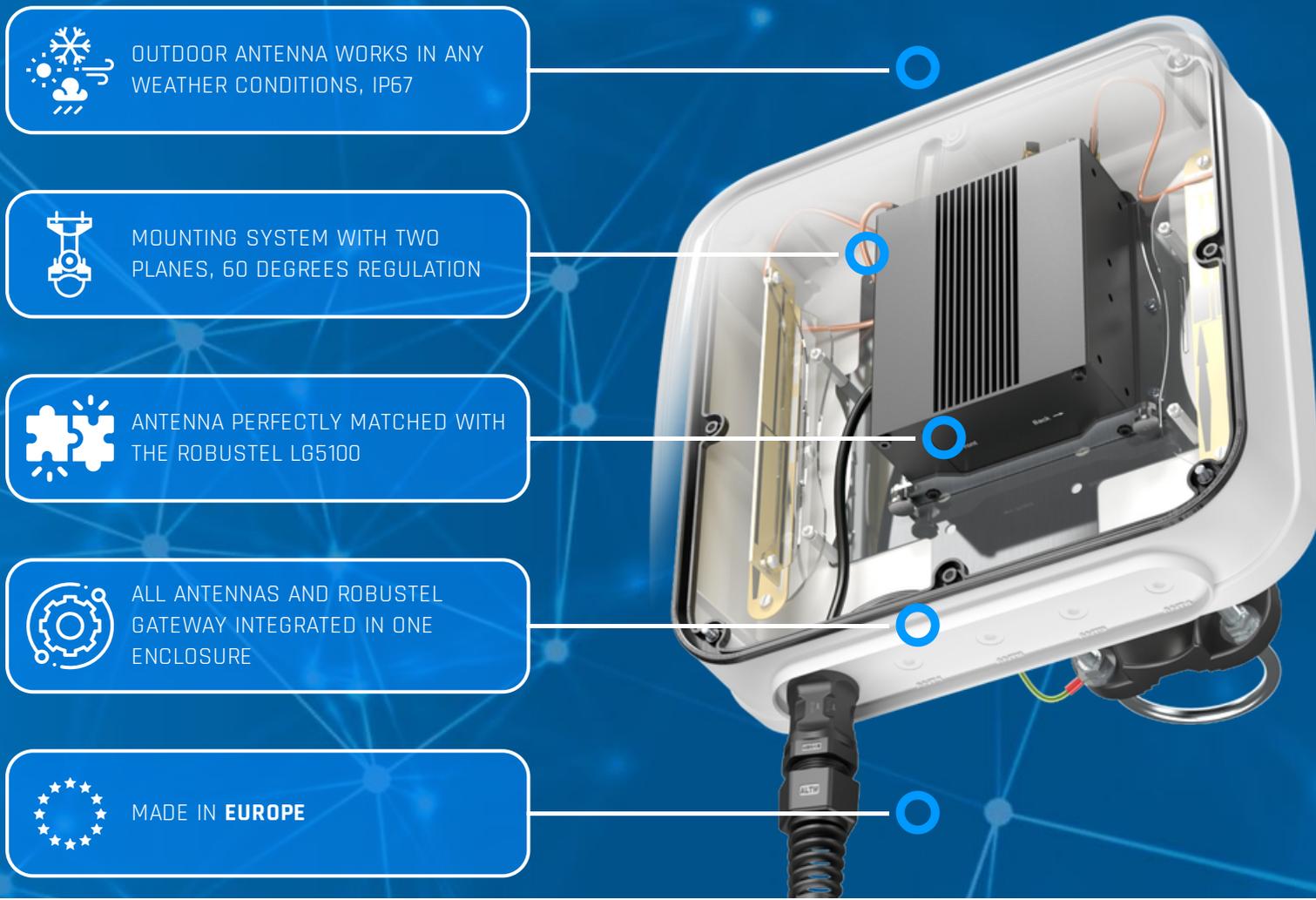


QuMax Omni for Robustel LG5100

LoRa

INTEGRATED MULTI-BAND LTE OMNI ANTENNA + LORA ANTENNA + PLACE TO INSTALL ROBUSTEL LG5100 (ALL-IN-ONE)

QuMax Omni all-in-one antenna for Robustel LG5100 gateway is a perfect outdoor device for mobile and fixed installations like industrial, public, CCTV, hotspots, yachts, boats, campers, RV etc. It has embedded omni LTE and LoRa antenna. If you use LG5100 with QuMax Omni antenna, you get an integrated complete solution with embedded gateway and multi band antennas in one enclosure.



LTE ANTENNA SPECIFICATION

FREQUENCY	694 - 960 MHz 1.7 - 2.2 GHz 2.5 - 2.7 GHz
GAIN	694 - 960 MHz : 2 dBi 1.7 - 2.2 GHz : 2 dBi 2.5 - 2.7 GHz : 3 dBi
SUPPORTED LTE/5G BANDS	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 25, 26, 27, 28, 29, 33, 34, 35, 36, 37, 38, 39, 44, 65, 66, 67, 68, 69, 85, 103, n80, n81, n82, n83, n84, n86, n89, n95, n98, n100, n101, n255
VSWR	<1.50, max <2.50
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

LORA ANTENNA SPECIFICATION

FREQUENCY	840-940 MHz (EU868, IN865, RU864, US915, AU915, AS923, KR920)
GAIN	3 dBi
VSWR	<1.20, max <2.00
BEAMWIDTH	360°/70° ±10°
POLARIZATION	Vertical
IMPEDANCE	50 Ω
FRONT TO BACK	>17 dB

MECHANICAL SPECIFICATION

MATERIALS	BS, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP67
CONNECTOR TYPE	RJ45
DIMENSIONS	272 x 276 x 96 mm 10.71 x 10.87 x 3.78 inch
WEIGHT	1.8 kg 3.97 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F
MAST DIAMETER	25-60mm 0.98-2.36 inch

FREQUENCY BANDS

LTE / 4G GSM	<table border="1"> <tr> <td>5</td> <td>8</td> <td>12</td> <td>13</td> <td>14</td> <td>17</td> <td>18</td> <td></td> </tr> <tr> <td>19</td> <td>20</td> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>44</td> <td>960 MHz</td> </tr> <tr> <td>67</td> <td>68</td> <td>85</td> <td>103</td> <td>n81</td> <td>n82</td> <td>n83</td> <td></td> </tr> <tr> <td>n89</td> <td>n100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	5	8	12	13	14	17	18		19	20	26	27	28	29	44	960 MHz	67	68	85	103	n81	n82	n83		n89	n100						
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n89	n100																																
LTE / 4G UMTS	<table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>9</td> <td>10</td> <td>25</td> <td></td> </tr> <tr> <td>33</td> <td>34</td> <td>35</td> <td>36</td> <td>37</td> <td>39</td> <td>n80</td> <td>2170 MHz</td> </tr> <tr> <td>n84</td> <td>n86</td> <td>n95</td> <td>n98</td> <td>n101</td> <td></td> <td></td> <td></td> </tr> </table>	1	2	3	4	9	10	25		33	34	35	36	37	39	n80	2170 MHz	n84	n86	n95	n98	n101											
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n84	n86	n95	n98	n101																													

LTE / 4G

2400
MHz

7

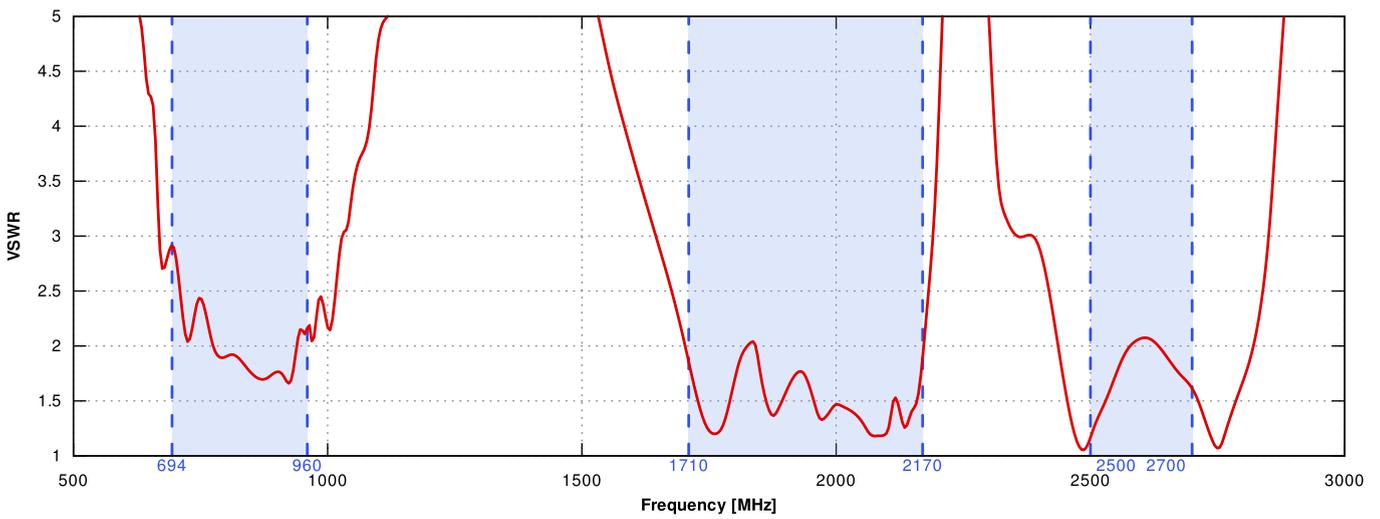
38

69

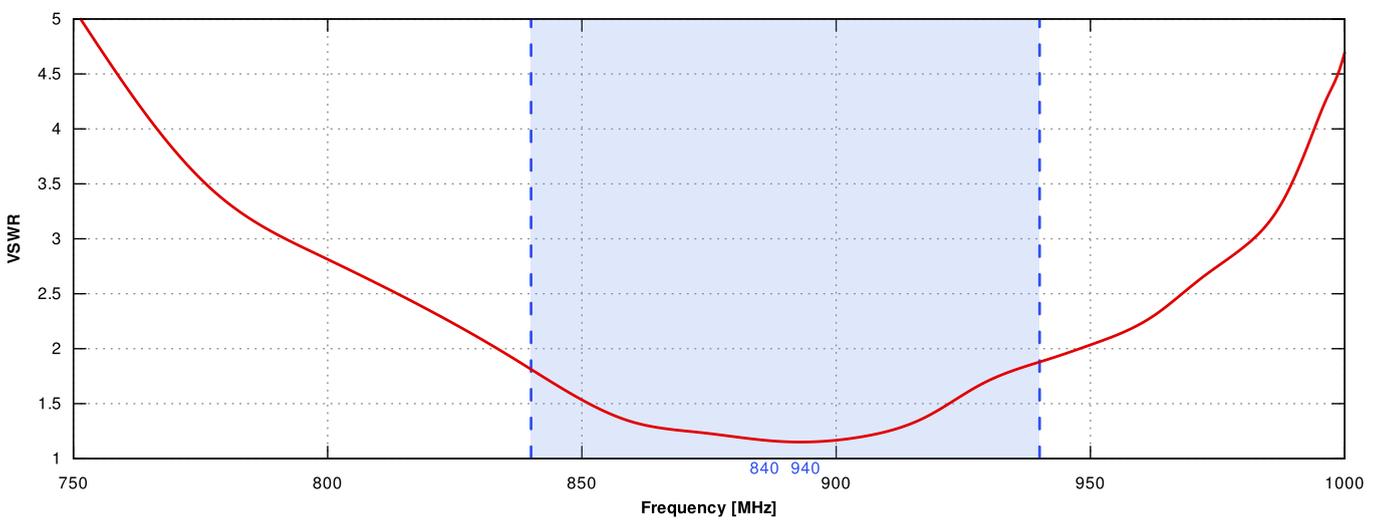
2700
MHz

PLOTS

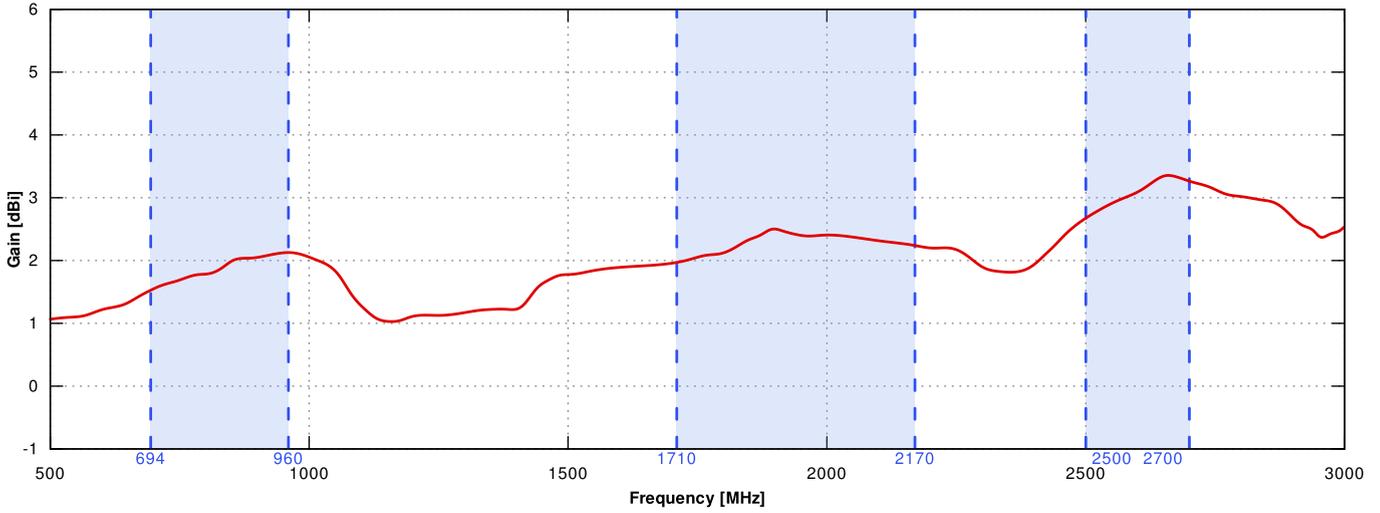
LTE VSWR



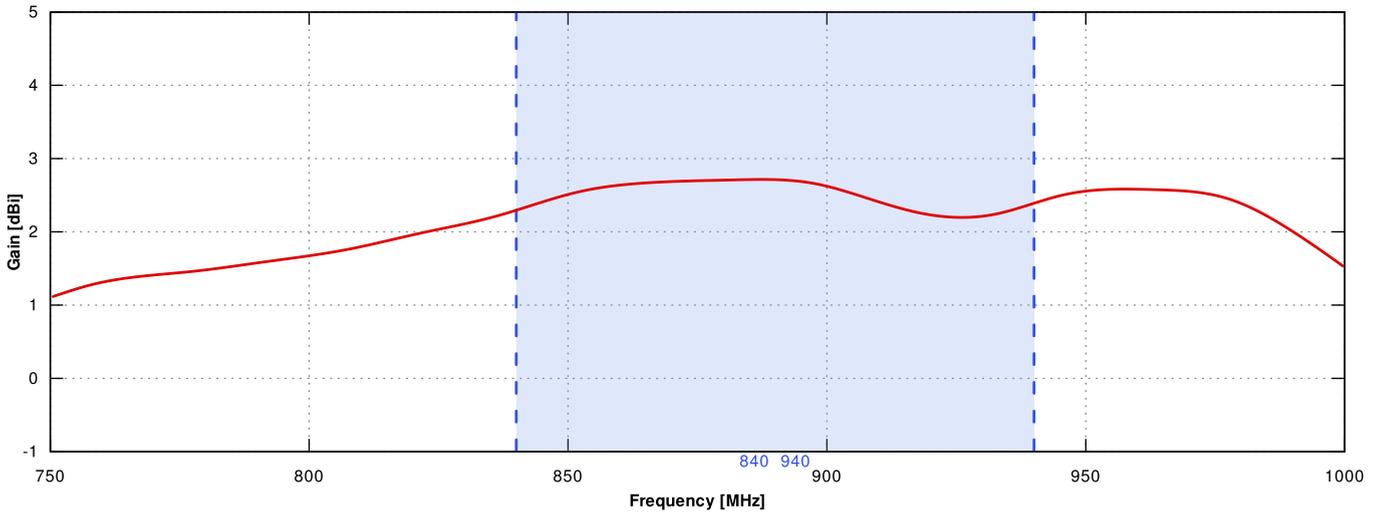
LORA VSWR



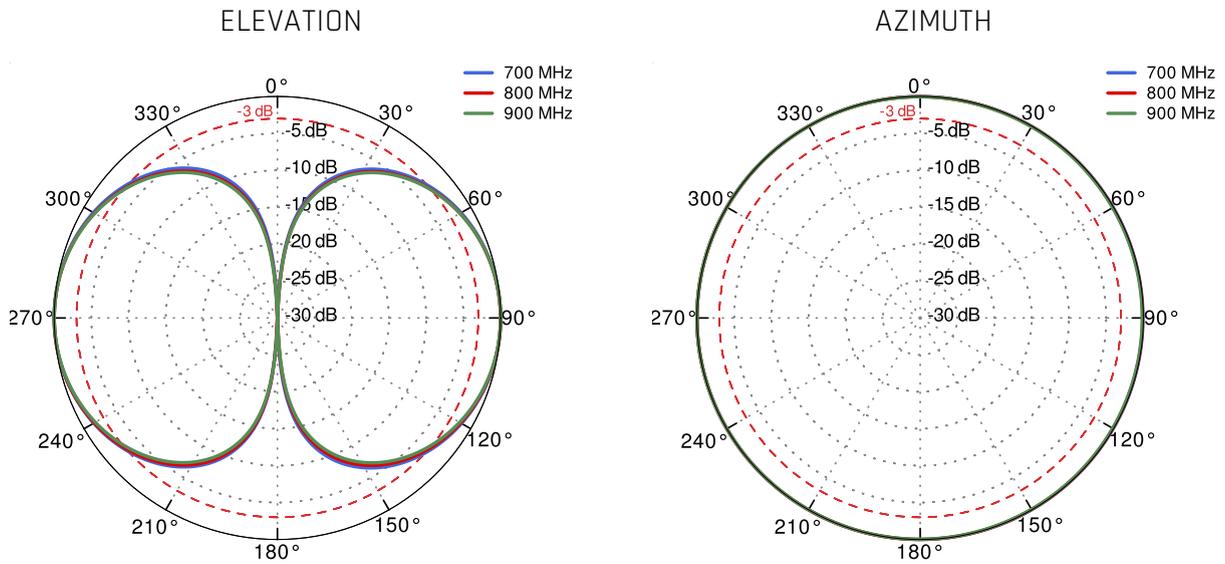
LTE Gain



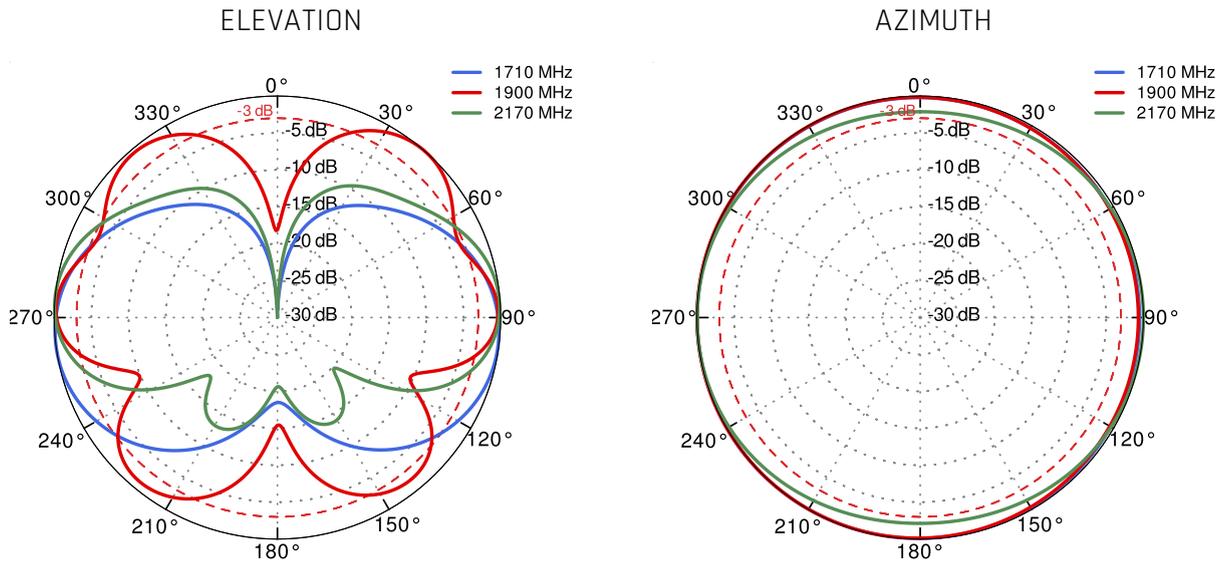
LORA Gain



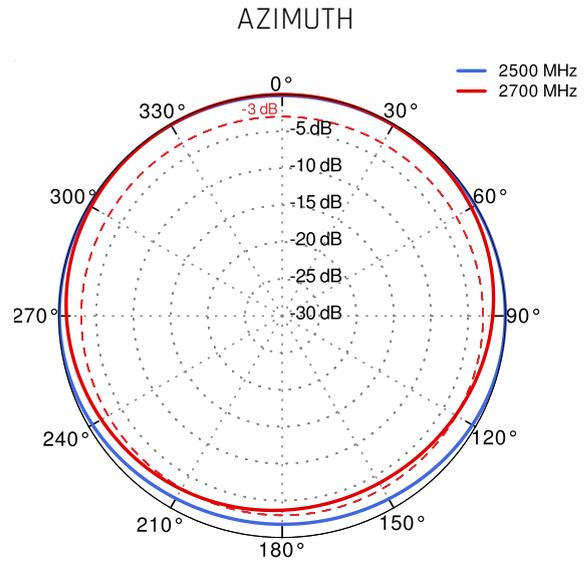
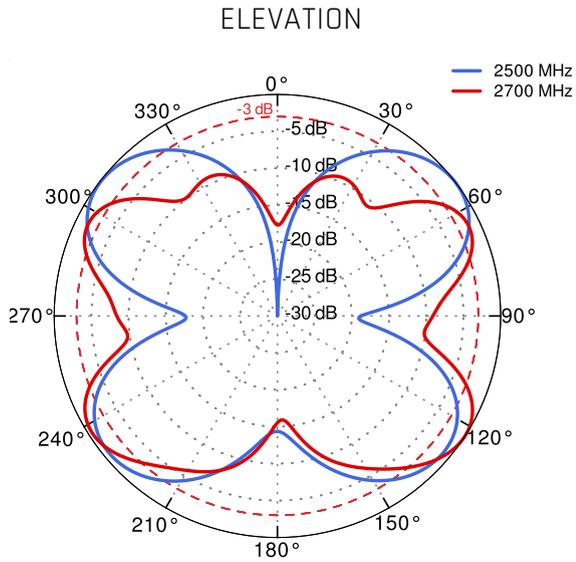
LTE From 700MHz to 900MHz



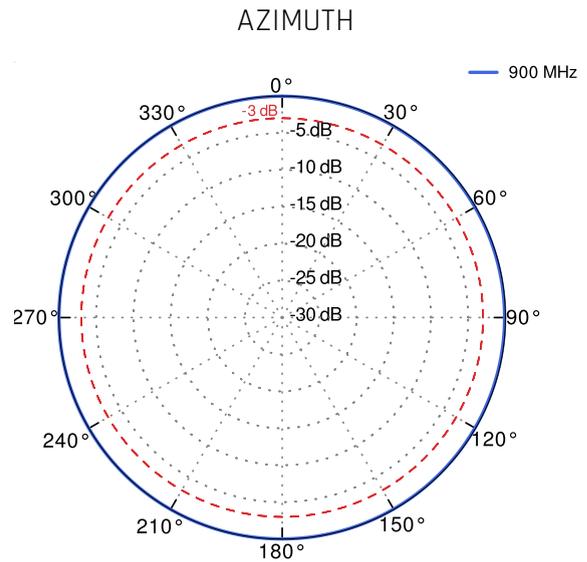
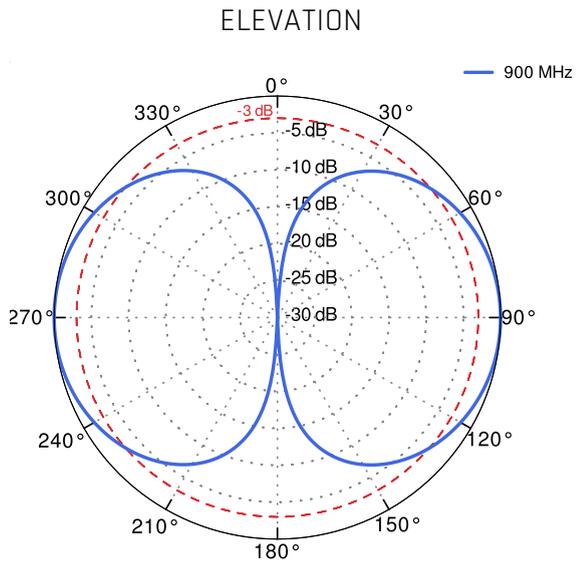
LTE From 1.71GHz to 2.17GHz



LTE From 2.5GHz to 2.7GHz



LORA 900MHZ



DIMENSIONS

