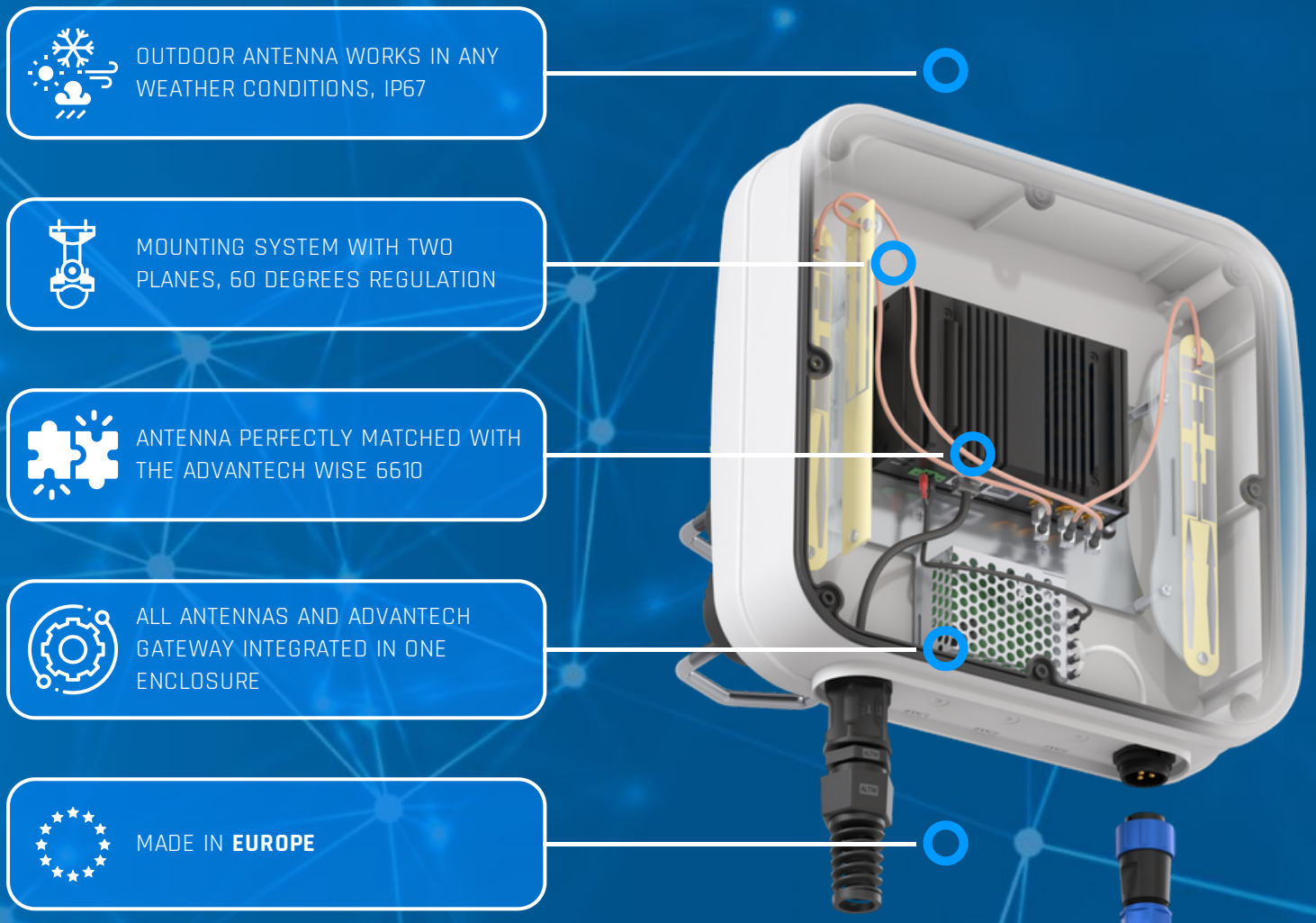
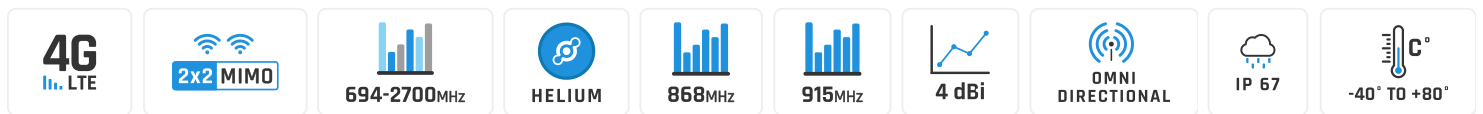


QuMax Omni for Advantech WISE 6610 AC

INTEGRATED MULTI-BAND LTE OMNI ANTENNA + LORA ANTENNA + PLACE TO INSTALL ADVANTECH WISE 6610 (ALL-IN-ONE)

QuMax Omni all-in-one antenna for Advantech WISE 6610 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 WISE 6610 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	ABS, 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
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.6 - 0.8 Nm
MAST DIAMETER	25-66mm 0.98-2.60 inch

POWER SUPPLY ELECTRICAL INPUT SPECIFICATION

INPUT VOLTAGE	85 ~ 264VAC
INPUT FREQUENCY	47 ~ 63Hz
INPUT CURRENT	0.25A/230VAC 0.35A/115VAC
INRUSH CURRENT	COLD START 65A / 230VAC
AC LEAKAGE CURRENT	<2mA / 240VAC
EFFICIENCY	81%

POWER SUPPLY ELECTRICAL OUTPUT SPECIFICATION

OUTPUT VOLTAGE	12V
OUTPUT POWER	15.6W
OUTPUT CURRENT	1.3A

FREQUENCY BANDS

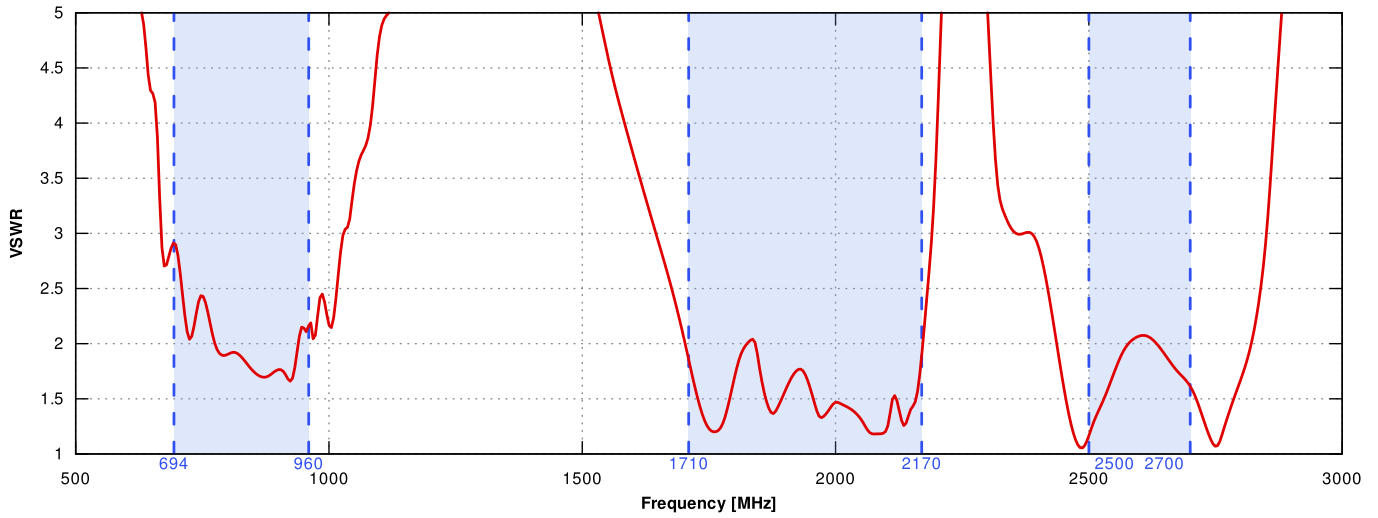
LTE / 4G GSM	<table border="1"> <tr> <td>5</td><td>8</td><td>12</td><td>13</td><td>14</td><td>17</td><td>18</td> </tr> <tr> <td>19</td><td>20</td><td>26</td><td>27</td><td>28</td><td>29</td><td>44</td> </tr> <tr> <td>67</td><td>68</td><td>85</td><td>103</td><td>n81</td><td>n82</td><td>n83</td> </tr> <tr> <td>n89</td><td>n100</td><td></td><td></td><td></td><td></td><td></td> </tr> </table> <p>617 MHz 960 MHz</p>	5	8	12	13	14	17	18	19	20	26	27	28	29	44	67	68	85	103	n81	n82	n83	n89	n100					
5	8	12	13	14	17	18																							
19	20	26	27	28	29	44																							
67	68	85	103	n81	n82	n83																							
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> </tr> <tr> <td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>39</td><td>n80</td> </tr> <tr> <td>n84</td><td>n86</td><td>n95</td><td>n98</td><td>n101</td><td></td><td></td> </tr> </table> <p>1710 MHz 2170 MHz</p>	1	2	3	4	9	10	25	33	34	35	36	37	39	n80	n84	n86	n95	n98	n101									
1	2	3	4	9	10	25																							
33	34	35	36	37	39	n80																							
n84	n86	n95	n98	n101																									
LTE / 4G	<table border="1"> <tr> <td>7</td><td>38</td><td>69</td> </tr> </table> <p>2400 MHz 2700 MHz</p>	7	38	69																									
7	38	69																											

COMPATIBLE ROUTERS

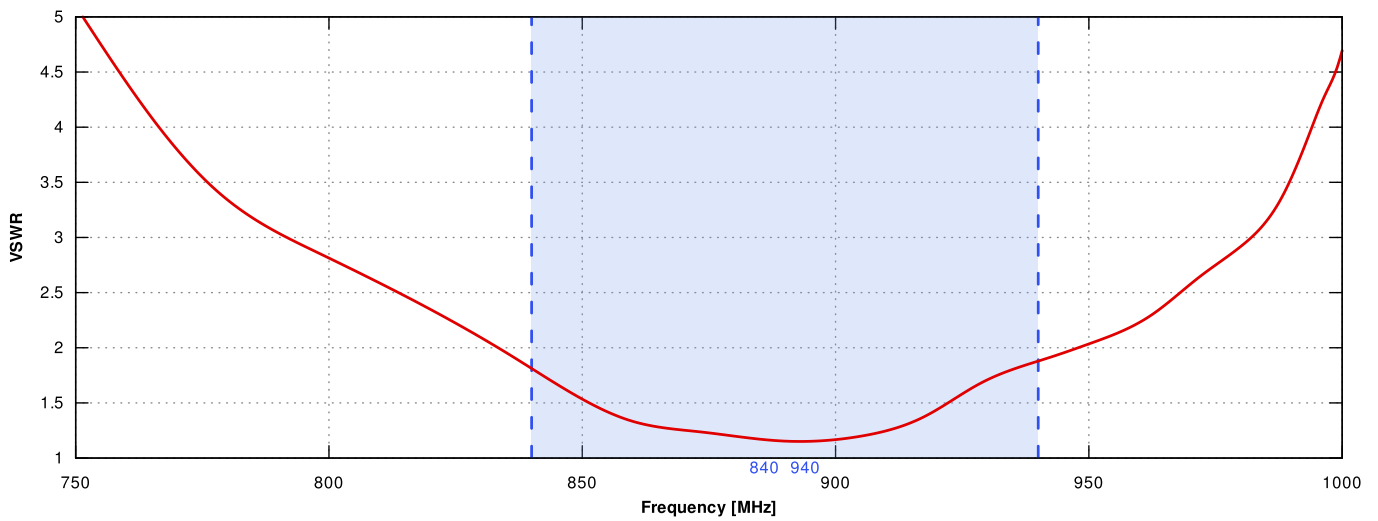
VARIANT: AA6610M0-01 _____

PLOTS

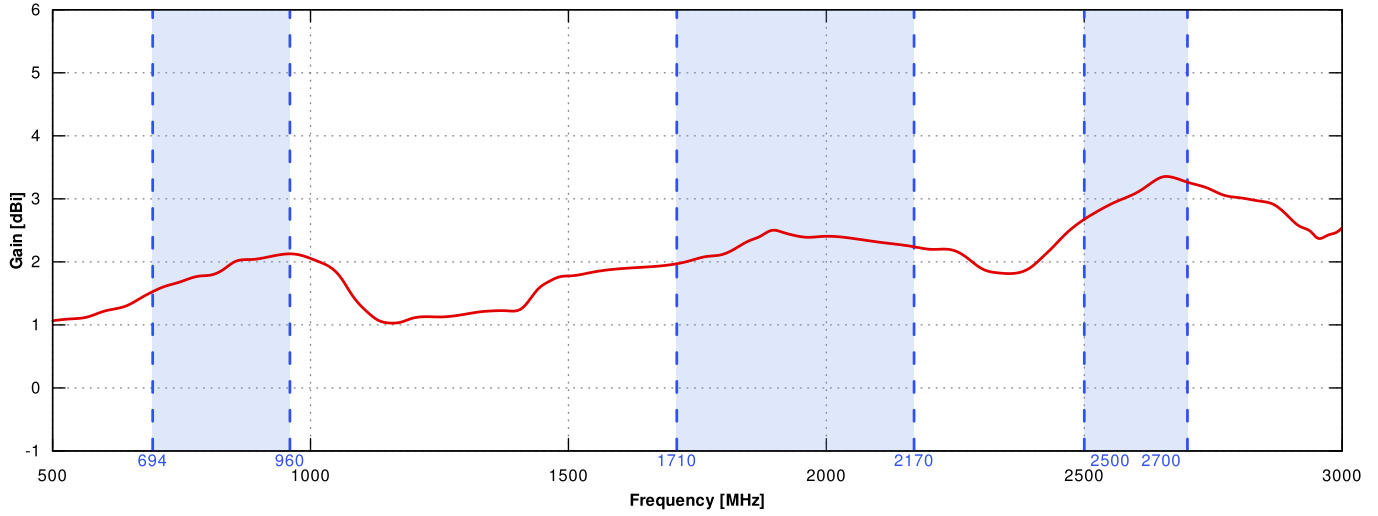
LTE VSWR



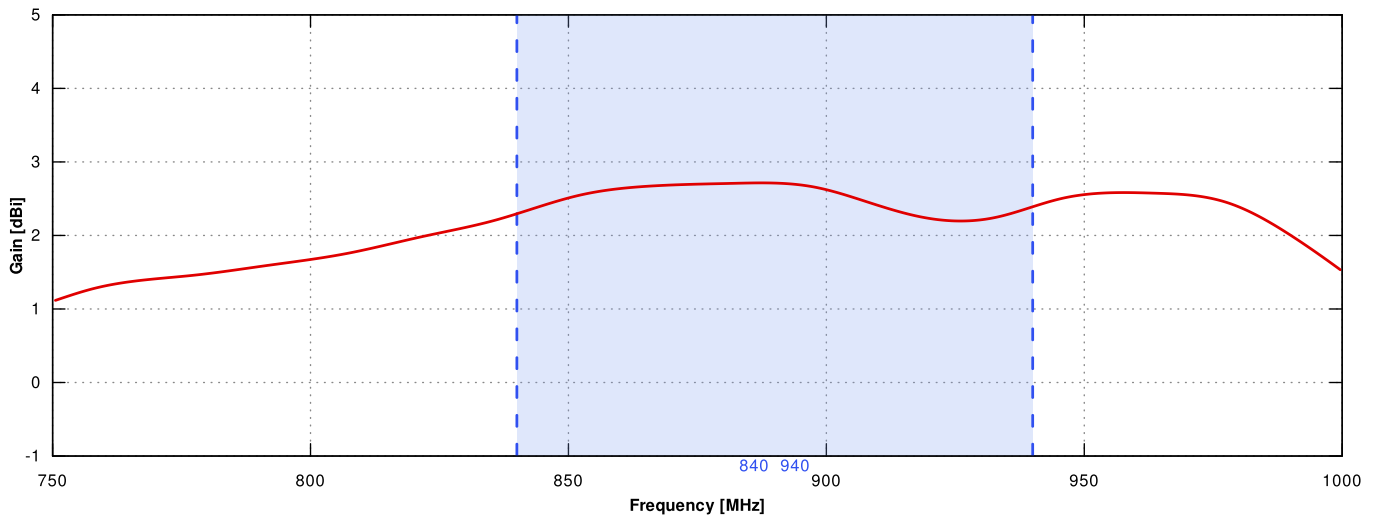
LORA VSWR



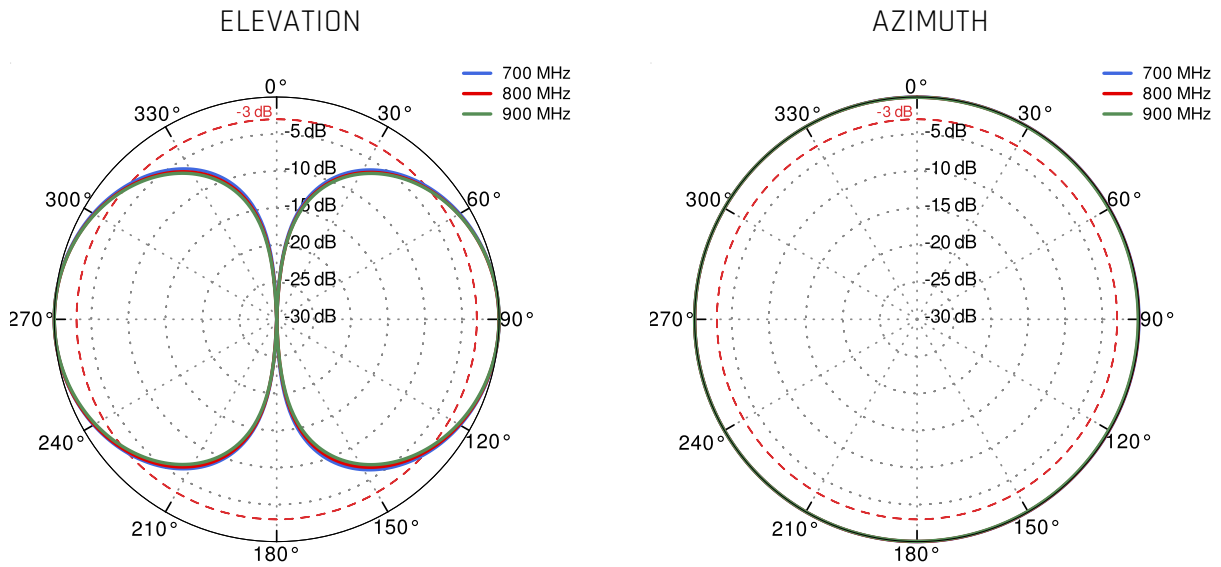
LTE Gain



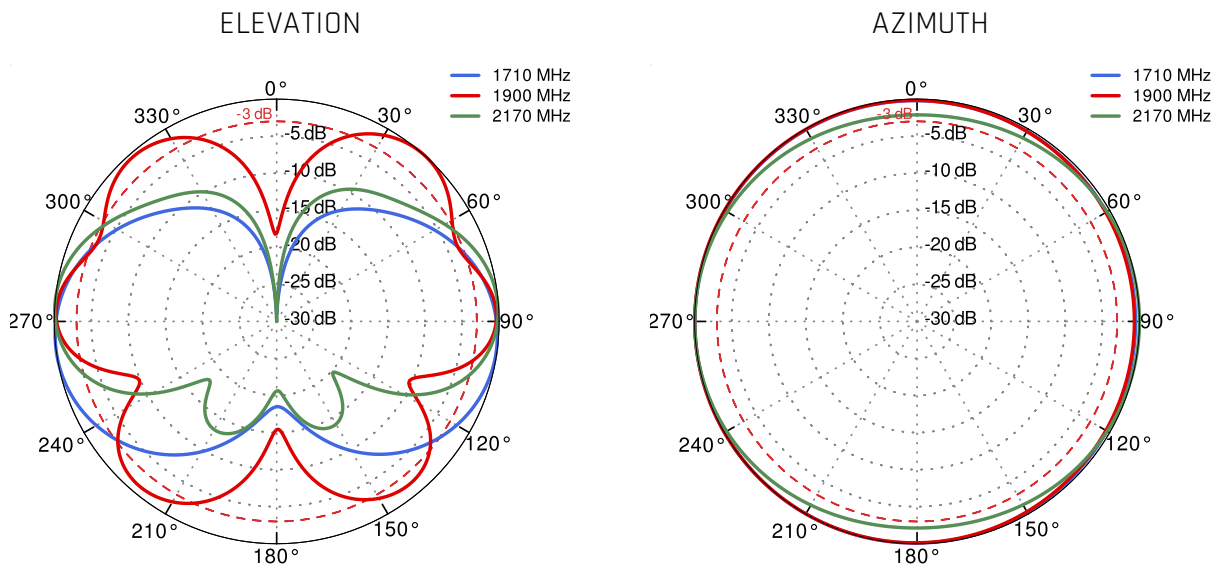
LORA Gain



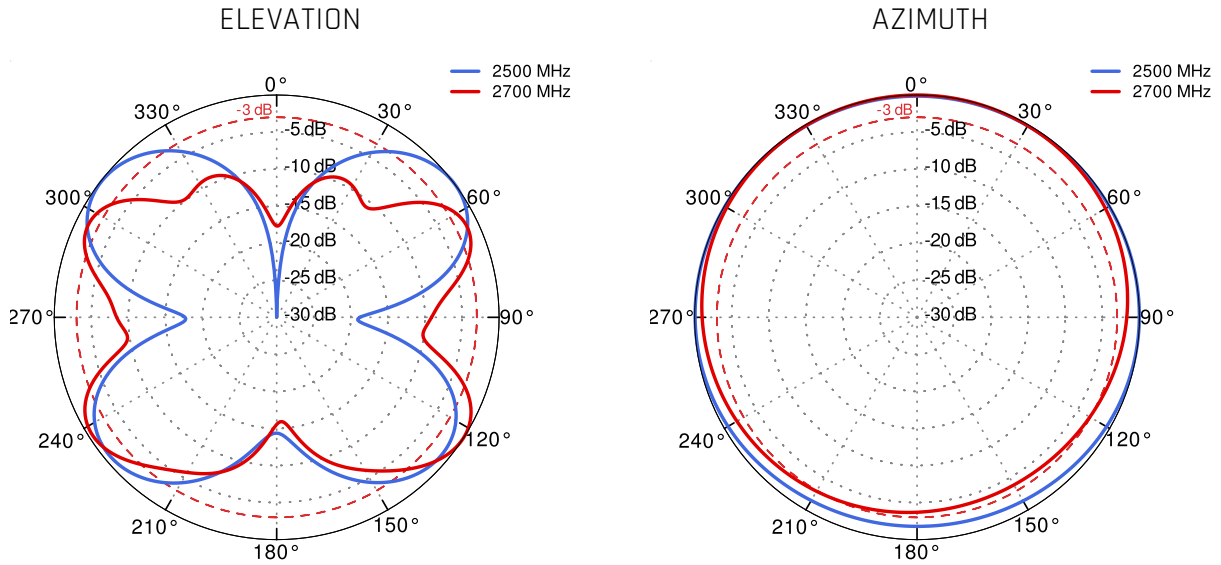
LTE From 700MHz to 900MHz



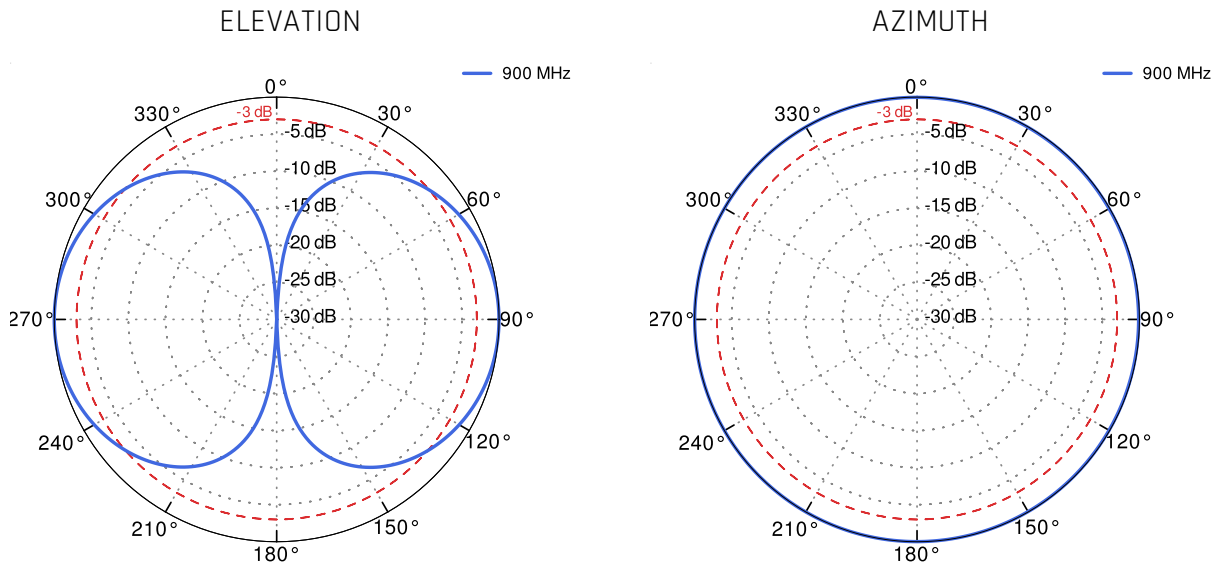
LTE From 1.71GHz to 2.17GHz



LTE From 2.5GHz to 2.7GHz



LORA 900MHZ



DIMENSIONS

