

# QuMax XR LTE

## Integrated outdoor multi band eXtra Range LTE directional antenna + place to install Teltonika RUT200/240/241/950/951/955/956/X09/X11

QuMAX eXtra Range LTE offers the most powerful directional LTE antenna of all QuWireless antennas. It is dedicated to connections with long distance to base station. It is designed to have Teltonika router installed inside IP67 enclosure. It is the first choice for fixed installations in industrial environment. There is also space for mounting internal genuine Teltonika GPS and Wi-Fi antennas inside the antenna enclosure.

Compatible Teltonika routers: RUT200, RUT240, RUT241, RUT900, RUT901, RUT950, RUT951, RUT955, RUT956, RUTX09, RUTX11.

NOTE: There is also available version with extreme high gain antenna for high bands (2300-2700 MHz) – QuMax XR LTE High Band

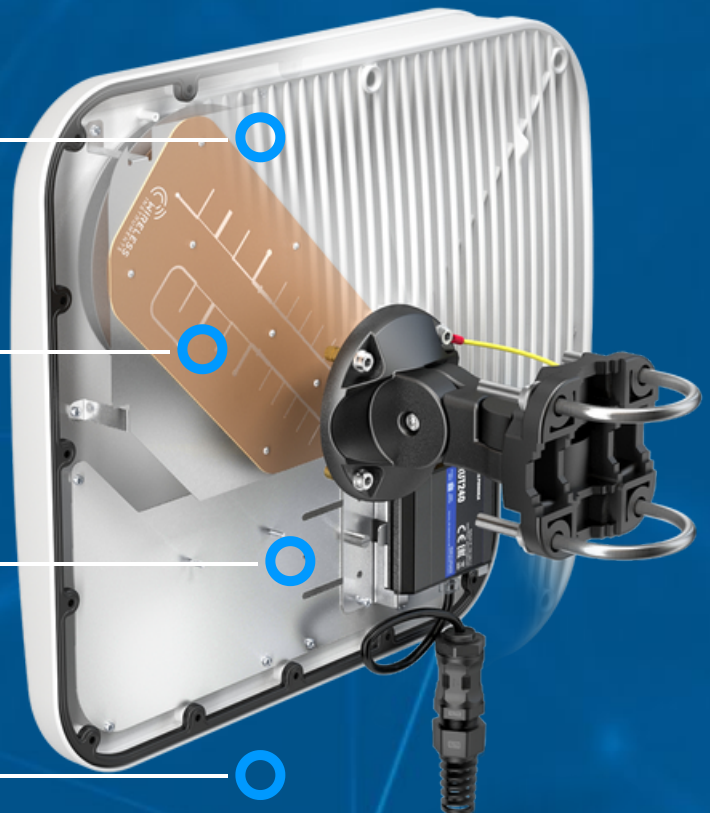


 **PASSIVE POE SUPPORT**

 **ANTENNA PERFECTLY MATCHED WITH THE ROUTER**

 **OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67**

 **MADE IN EUROPE**



## UNIVERSAL MOUNTING BRACKET



## LTE ANTENNA SPECIFICATION

<b>FREQUENCY</b>	694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz
<b>SUPPORTED LTE/5G BANDS</b>	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 65, 66, 67, 68, 69, 85, 103, n80, n81, n82, n83, n84, n85, n89, n90, n95, n97, n98, n100, n101, n256
<b>GAIN</b>	694 - 960 MHz : 7 dBi 1.7 - 2.2 GHz : 7 dBi 2.2 - 2.7 GHz : 7 dBi
<b>VSWR</b>	<1.70, max <2.00
<b>BEAMWIDTH</b>	70° / 70° ±15°
<b>POLARIZATION</b>	Dual polarized X-Pol
<b>IMPEDANCE</b>	50 Ω
<b>FRONT-TO-BACK</b>	>10 dB

## MECHANICAL SPECIFICATION

<b>MATERIALS</b>	ABS, aluminum, PTFE, Fiberglass
<b>CONNECTOR TYPE</b>	RJ45
<b>INGRESS PROTECTION</b>	IP67
<b>DIMENSIONS</b>	392 x 392 x 99 mm 15.43 x 15.43 x 3.90 inch
<b>WEIGHT</b>	3.7 kg 8.16 lbs
<b>OPERATING TEMPERATURE</b>	From -40°C to 80°C From -40°F to 176°F

## FREQUENCY BANDS

<b>LTE / 4G GSM</b>	<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						
5	8	12	13	14	17	18																											
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<b>LTE / 4G UMTS</b>	<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>1710 MHz</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>39</td><td>n80</td> </tr> <tr> <td></td><td>n84</td><td>n86</td><td>n95</td><td>n98</td><td>n101</td><td></td><td>2170 MHz</td> </tr> </table>	1	2	3	4	9	10	25		1710 MHz	33	34	35	36	37	39	n80		n84	n86	n95	n98	n101		2170 MHz								
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<b>LTE / 4G WCS DARS</b>	<table border="1"> <tr> <td>2300 MHz</td><td>30</td><td>40</td><td>n97</td><td></td><td></td><td></td><td>2400 MHz</td> </tr> </table>	2300 MHz	30	40	n97				2400 MHz																								
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LTE / 4G

2400  
MHz

7

38

41

53

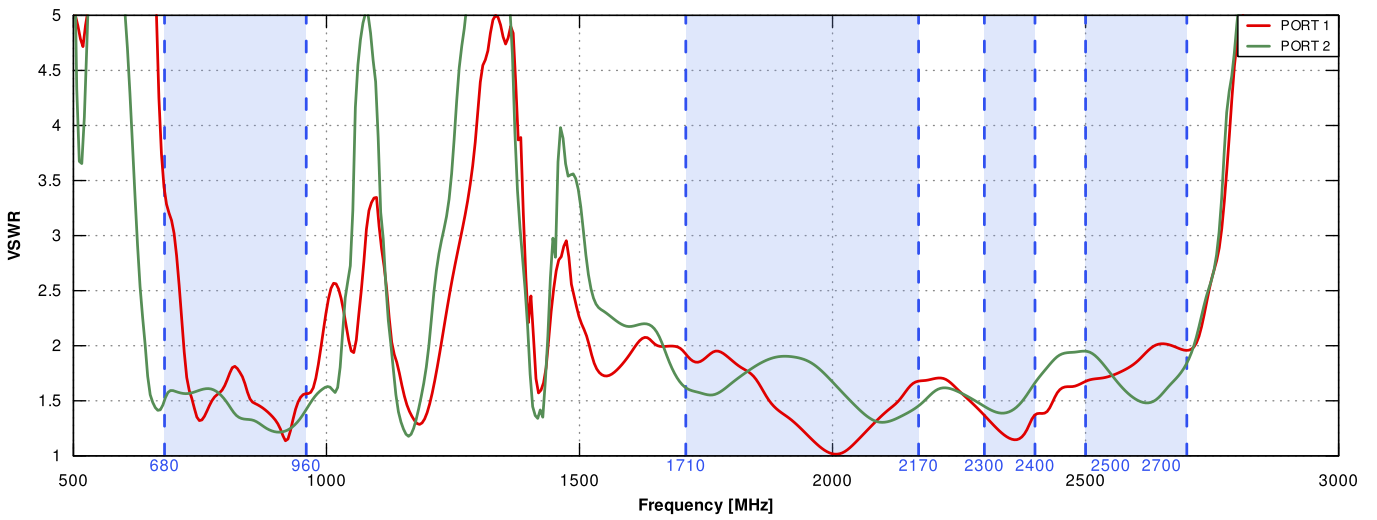
69

n90

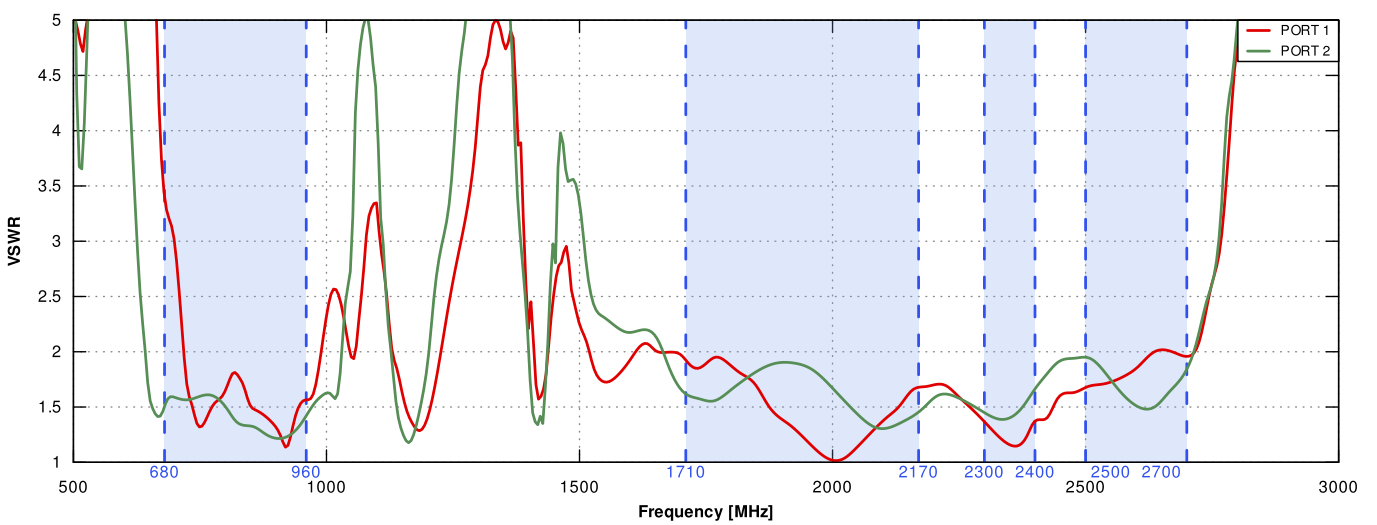
2700  
MHz

## PLOTS

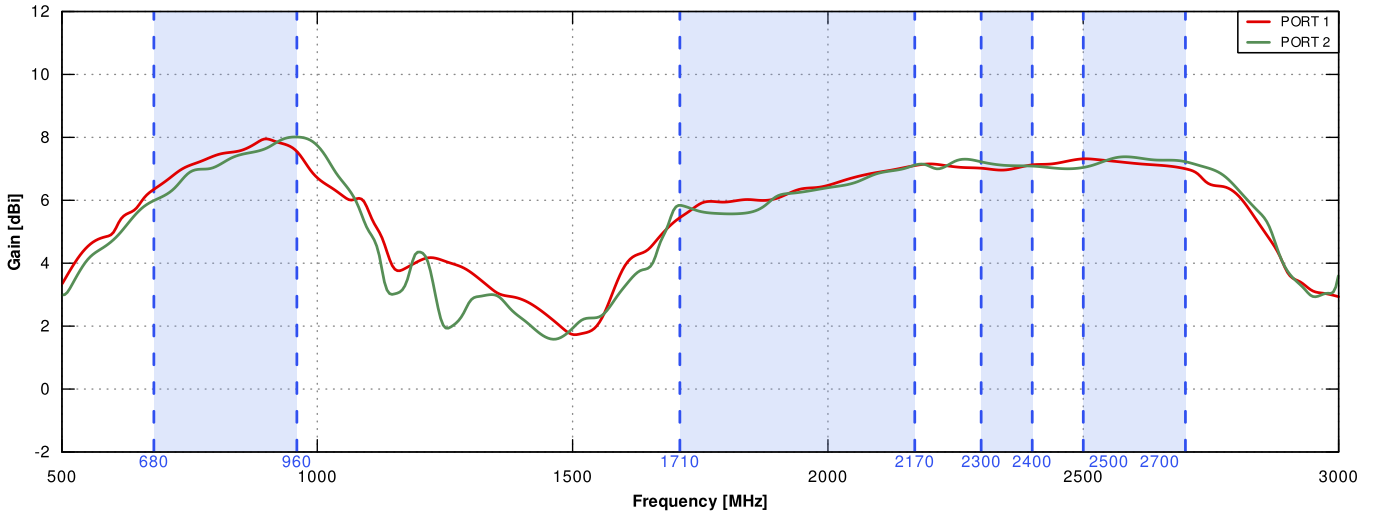
VSWR for LTE antenna PORT 1



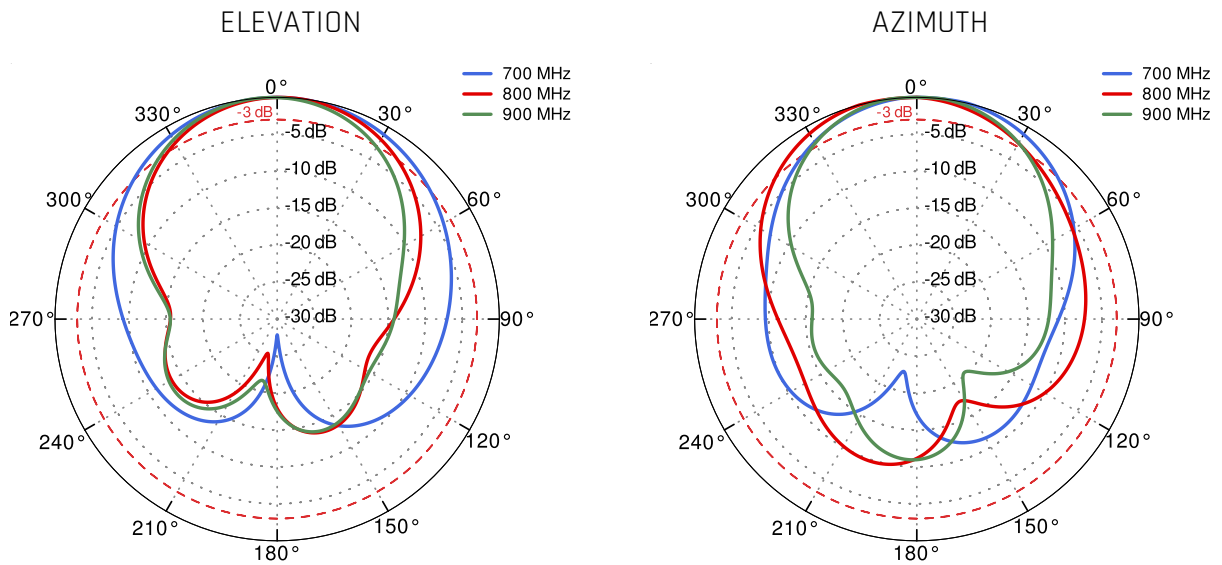
VSWR for LTE antenna PORT 2



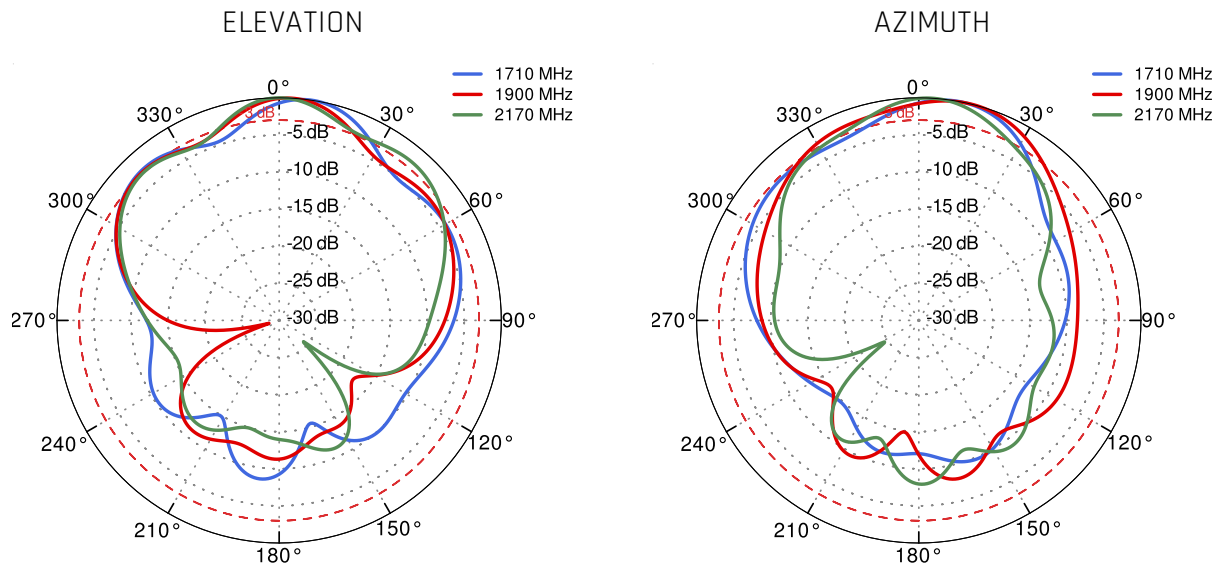
### Gain for LTE antenna



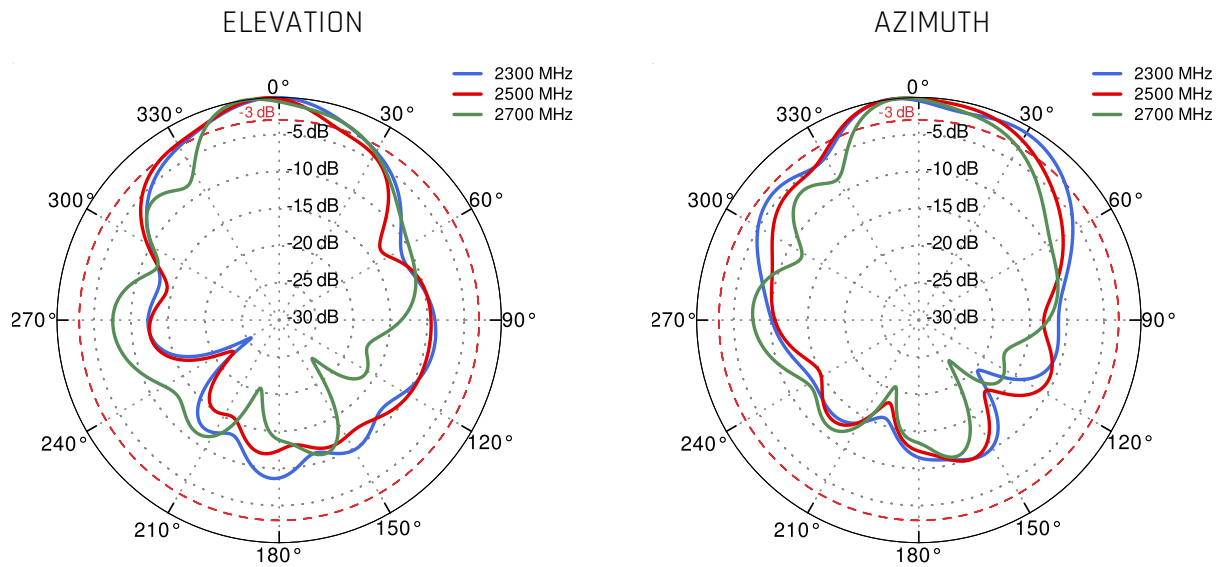
### Port 1 700MHz to 900MHz



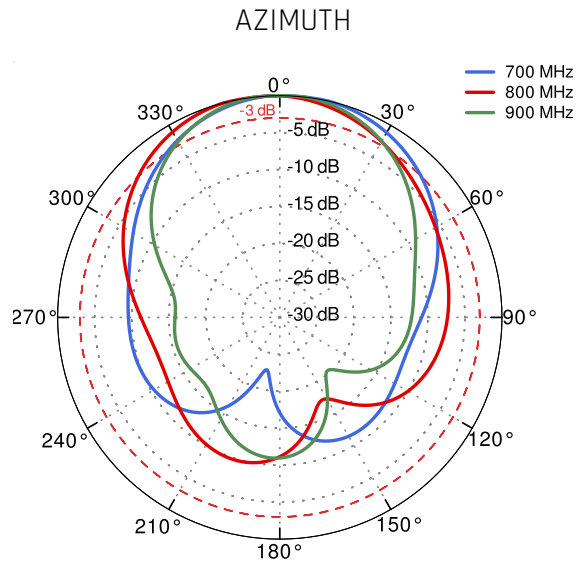
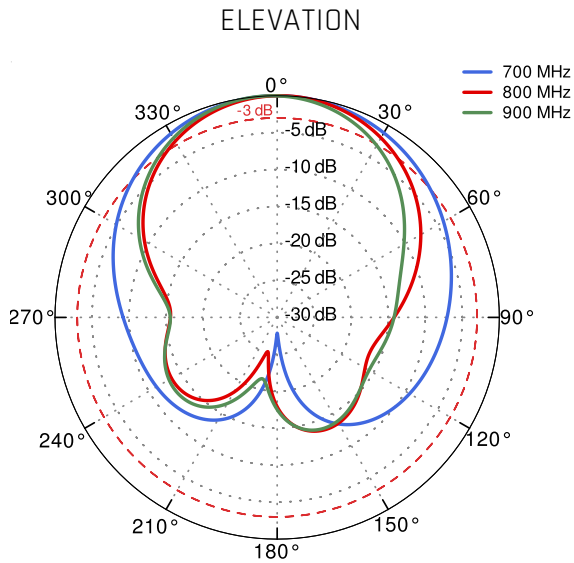
Port 1 1.71GHz to 2.17GHz



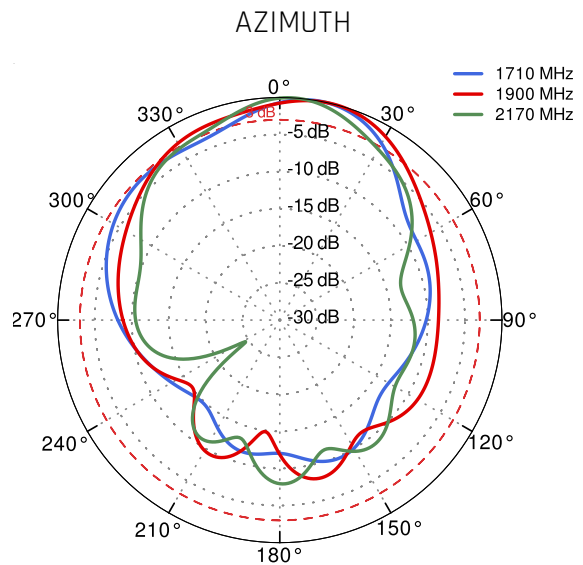
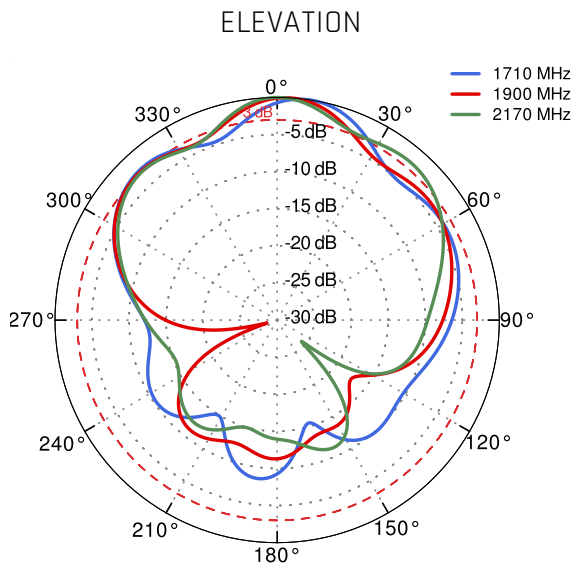
Port 1 2.3GHz to 2.7GHz



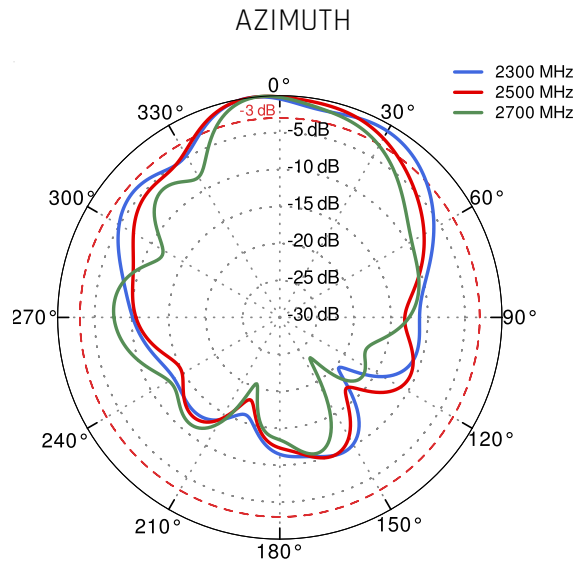
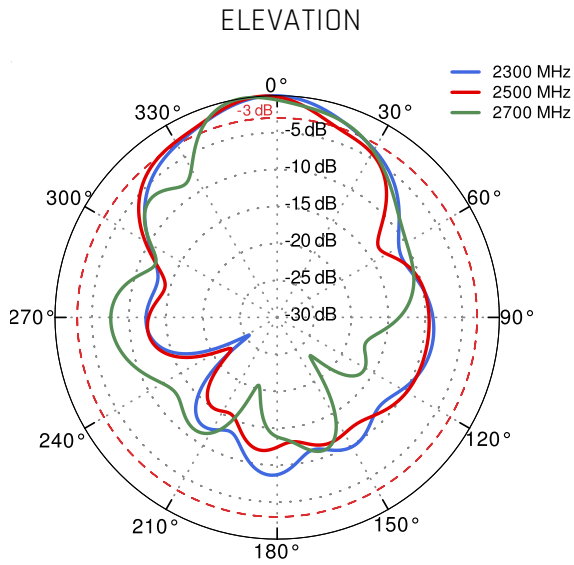
Port 2 700MHz to 900MHz



Port 2 1.71GHz to 2.17GHz



Port 2 2.3GHz to 2.7GHz



**DIMENSIONS**

