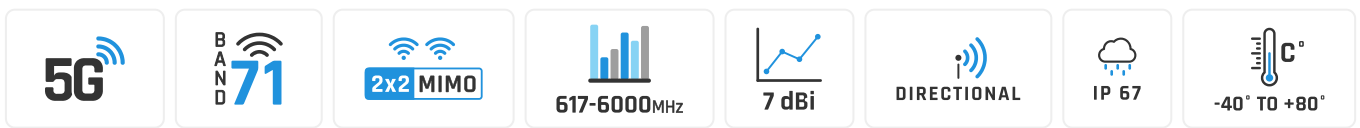


# QuPanel 5G/LTE Global MIMO 2x2

## Directional ultra wideband 5G/LTE MIMO 2x2 antenna

QuPanel **5G**/LTE omnidirectional MIMO 2x2 is ultra wideband 5G outdoor antenna. It's primary designed for LTE/5G/3G/2G devices which require high efficiency connections. The antenna covers many LTE bands including the new Extended LTE **Band 71** and frequencies: **600 - 6000MHz**. The mounting bracket allows the antenna to be installed on the pole or on the wall, as the client antenna to receive Internet by LTE/5G/3G/2G. It's ideal solution to use with all industrial and domestic 2x2 5G modems and routers like: Teltonika, Digi, Mikrotik, Robustel, Cisco, etc.



WIDE BAND 600-6000MHZ, 5G TECHNOLOGY



GALVANIZED STEEL, WALL OR POLE MOUNTING BRACKET



TWO SMA CONNECTORS



80° BEAMWIDTH



POE 7DBI GAIN



MADE IN EUROPE



## 5G AND LTE ANTENNA SPECIFICATION

<b>FREQUENCY</b>	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz
<b>GAIN</b>	617 - 960 MHz : 6 dBi 1.7 - 2.7 GHz : 7 dBi 3.3 - 4.6 GHz : 7 dBi 4.7 - 6.0 GHz : 5.5dBi
<b>SUPPORTED LTE/5G BANDS</b>	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, n77, n78, n79, n80, n81, n82, n83, n84, n85, n89, n90, n95, n97, n98, n100, n101
<b>VSWR</b>	<2.00, max <3.00
<b>BEAMWIDTH</b>	80°/80° ±15°
<b>POLARIZATION</b>	X (±45degrees)
<b>IMPEDANCE</b>	50 Ω

## MECHANICAL SPECIFICATION

<b>MATERIALS</b>	ABS, aluminum, PTFE, fiberglass
<b>CONNECTOR TYPE</b>	SMA
<b>INGRESS PROTECTION</b>	IP67
<b>DIMENSIONS</b>	486.0 x 292.2 x 105.6 mm 19.13 x 11.50 x 4.16 inch
<b>WEIGHT</b>	2.8 kg 6.17 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>6</td><td>8</td><td>12</td><td>13</td><td>14</td><td>17</td> </tr> <tr> <td>18</td><td>19</td><td>20</td><td>26</td><td>27</td><td>28</td><td>29</td> </tr> <tr> <td>44</td><td>67</td><td>68</td><td>71</td><td>85</td><td>n81</td><td>n82</td> </tr> <tr> <td>n83</td><td>n89</td><td></td><td></td><td></td><td></td><td></td> </tr> </table> <p>617 MHz <span style="float: right;">960 MHz</span></p>	5	6	8	12	13	14	17	18	19	20	26	27	28	29	44	67	68	71	85	n81	n82	n83	n89					
5	6	8	12	13	14	17																							
18	19	20	26	27	28	29																							
44	67	68	71	85	n81	n82																							
n83	n89																												
<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> </tr> <tr> <td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>39</td><td>59</td> </tr> <tr> <td>62</td><td>n80</td><td>n84</td><td>n86</td><td>n95</td><td></td><td></td> </tr> </table> <p>1710 MHz <span style="float: right;">2170 MHz</span></p>	1	2	3	4	9	10	25	33	34	35	36	37	39	59	62	n80	n84	n86	n95									
1	2	3	4	9	10	25																							
33	34	35	36	37	39	59																							
62	n80	n84	n86	n95																									
<b>LTE / 4G WCS DARS</b>	<table border="1"> <tr> <td>2300 MHz</td> <td>30</td> <td>40</td> <td>2400 MHz</td> </tr> </table>	2300 MHz	30	40	2400 MHz																								
2300 MHz	30	40	2400 MHz																										

**LTE / 4G**

2400 MHz	7	38	41	53	69	n90	2700 MHz
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**LTE / 5G**

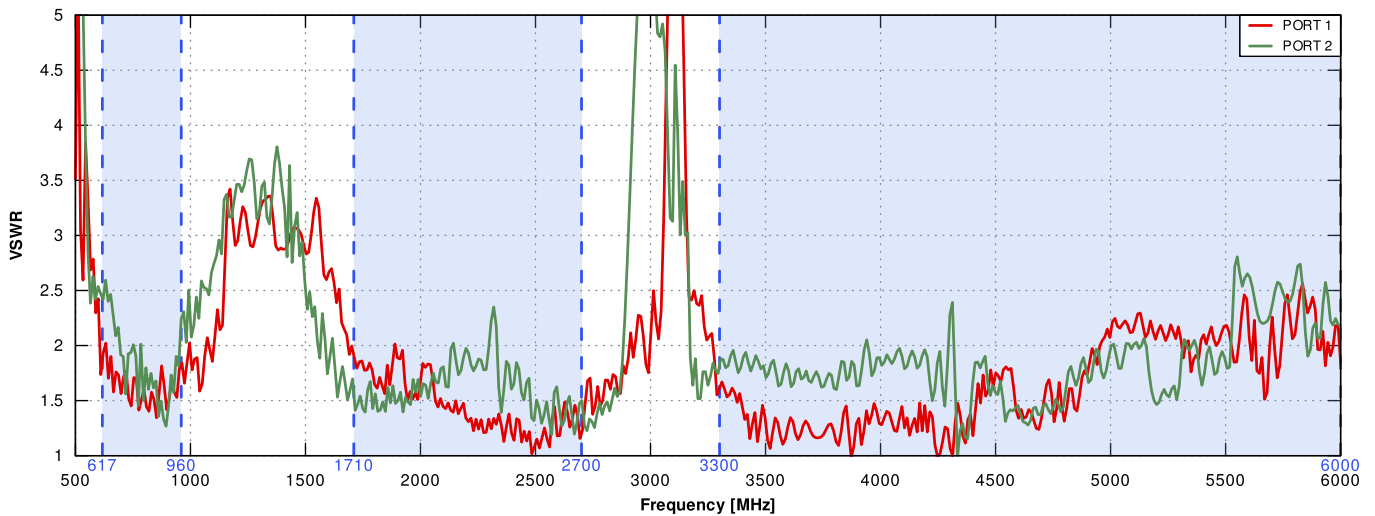
3300 MHz	22	42	43	48	49	52	n78	3800 MHz
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## COMPATIBLE ROUTERS

VARIANTS: AP5G2-G, AP5G2-G1

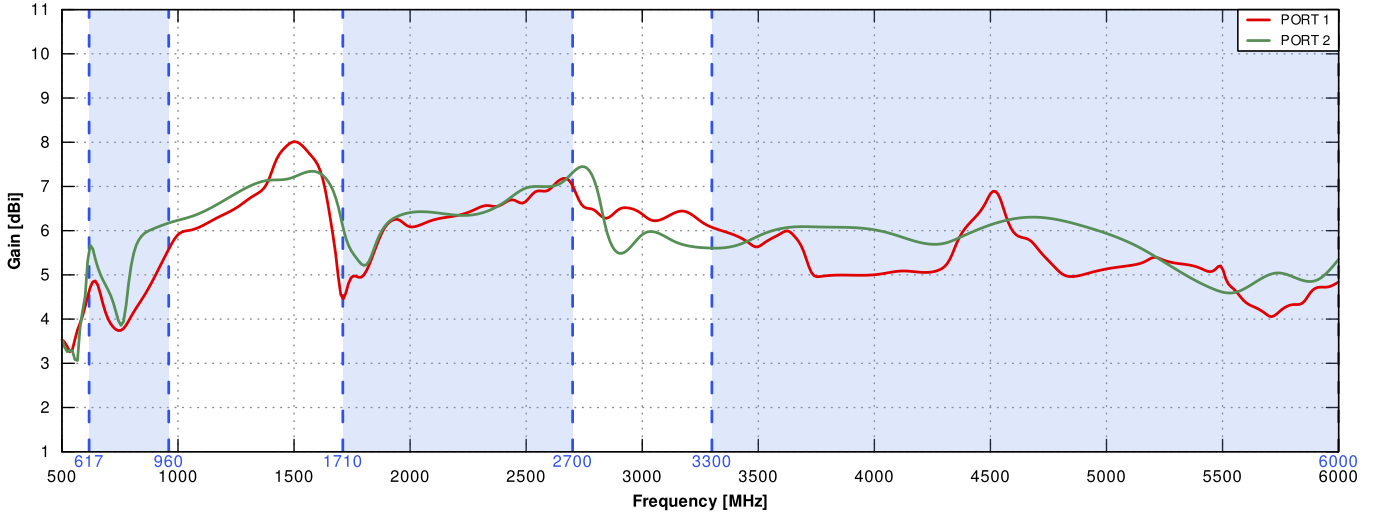
## PLOTS

VSWR

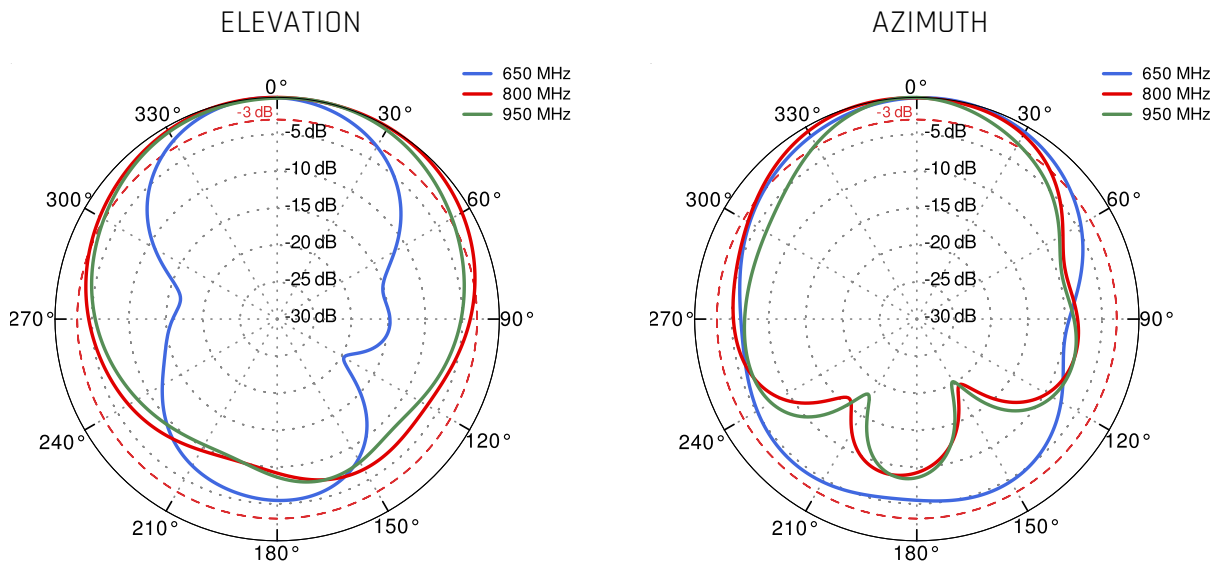




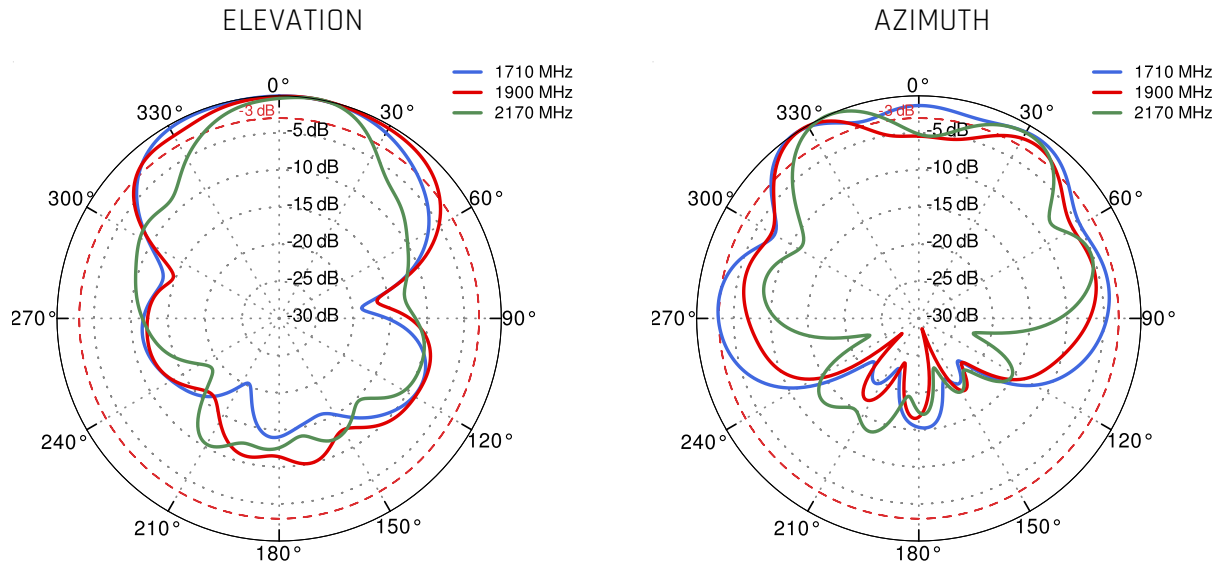
Gain



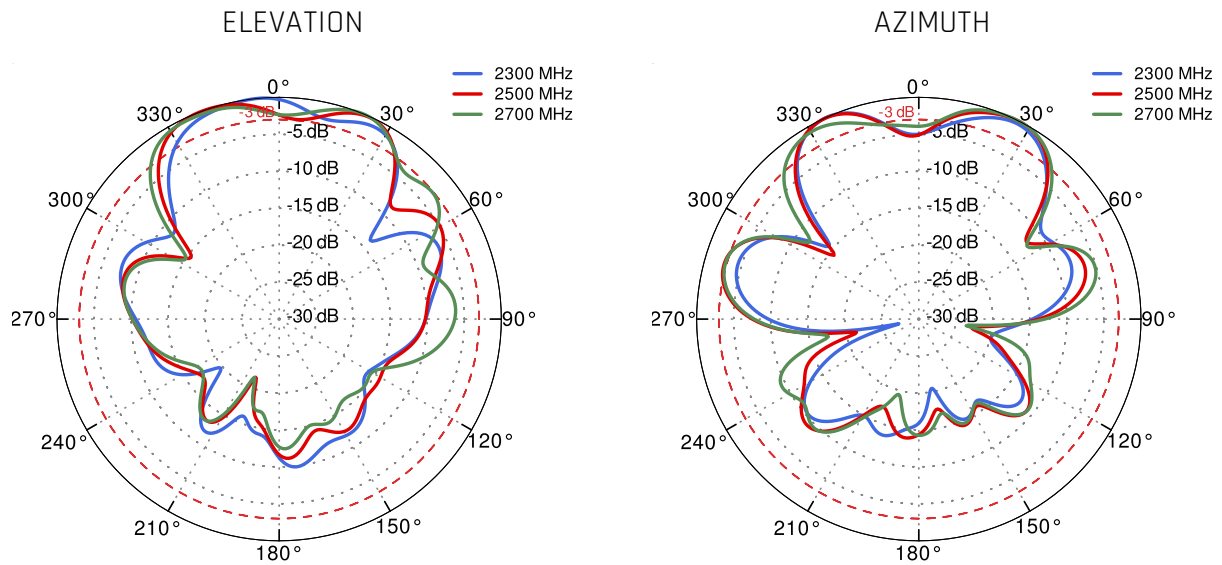
PORT 1 - 5G/LTE from 650MHz to 950MHz



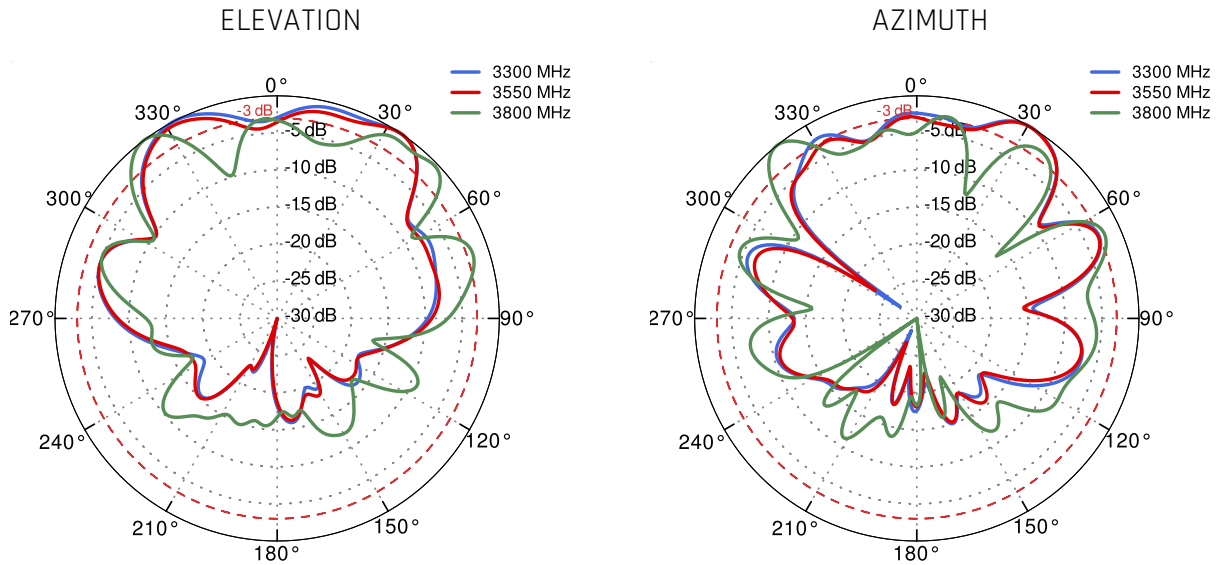
PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz



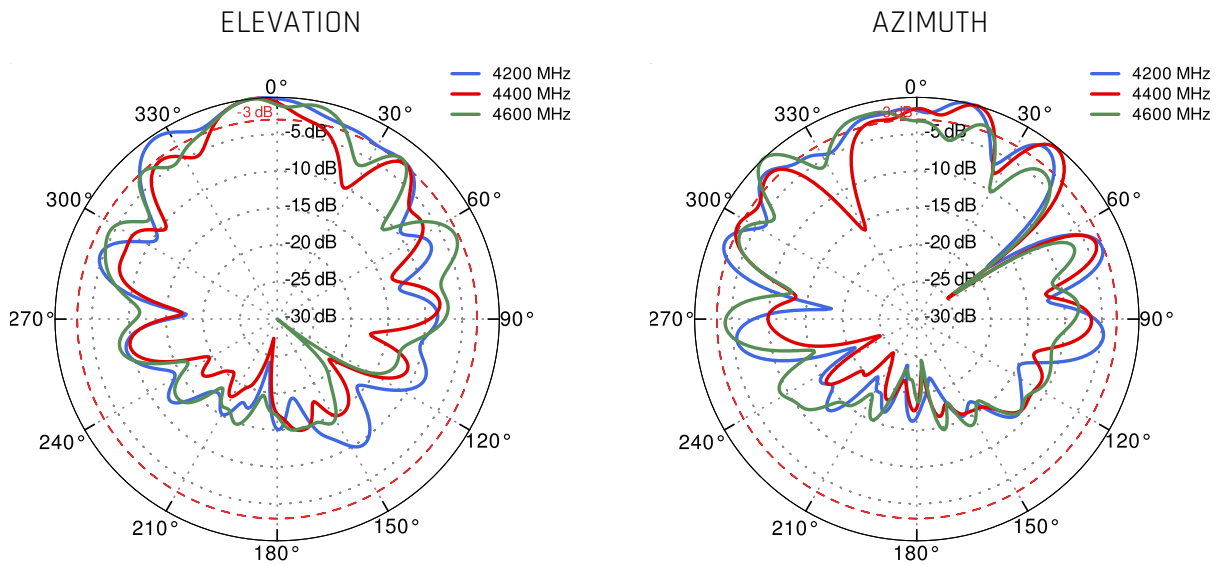
PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz



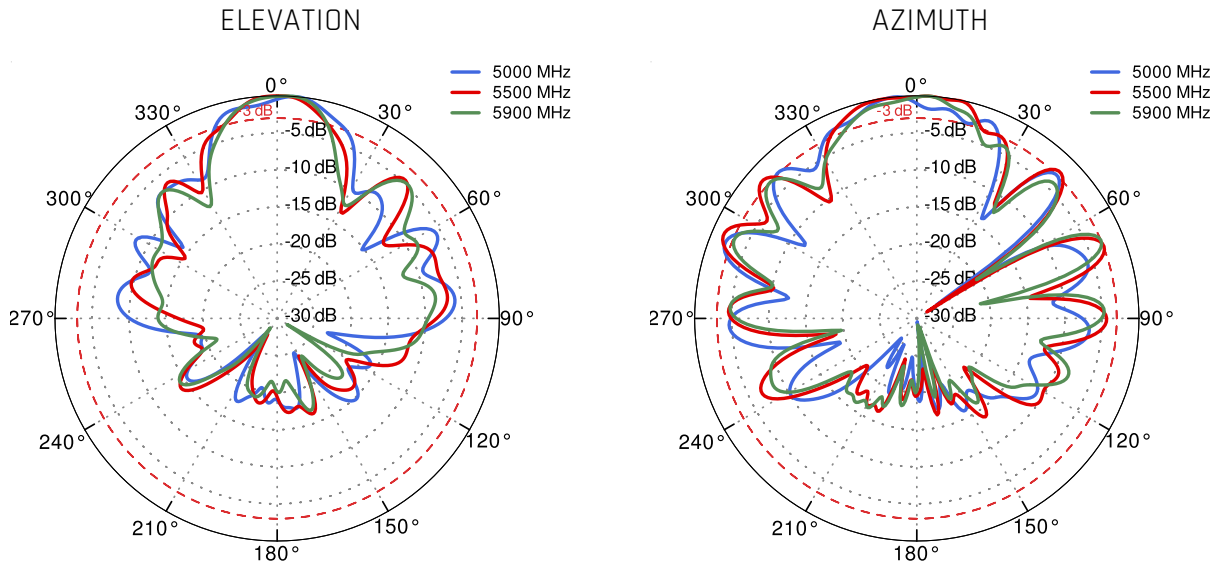
PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz



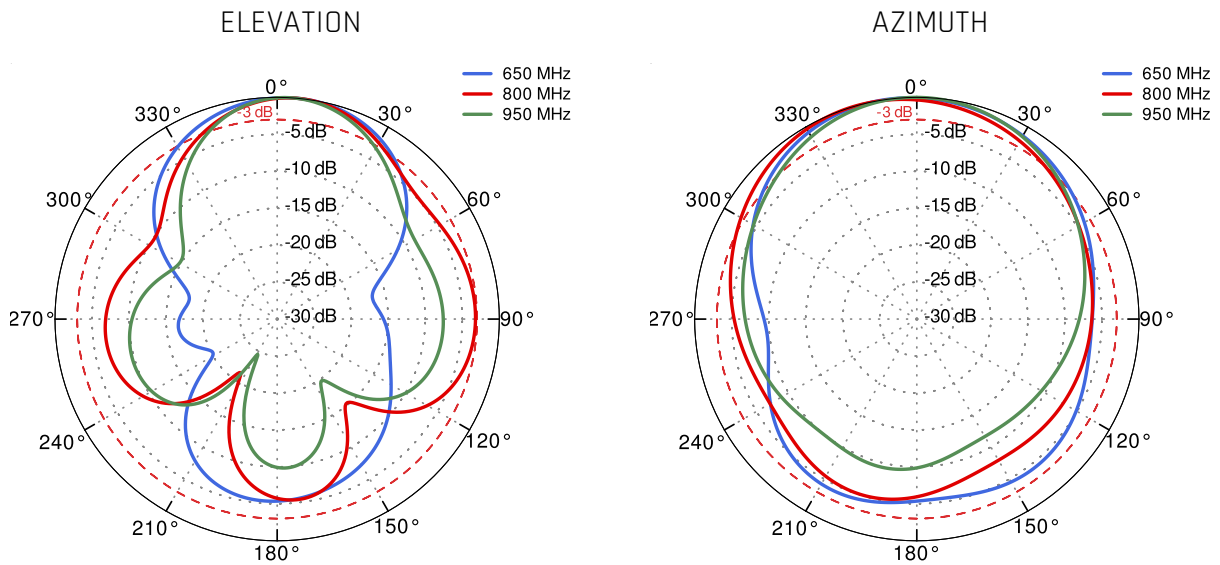
PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz



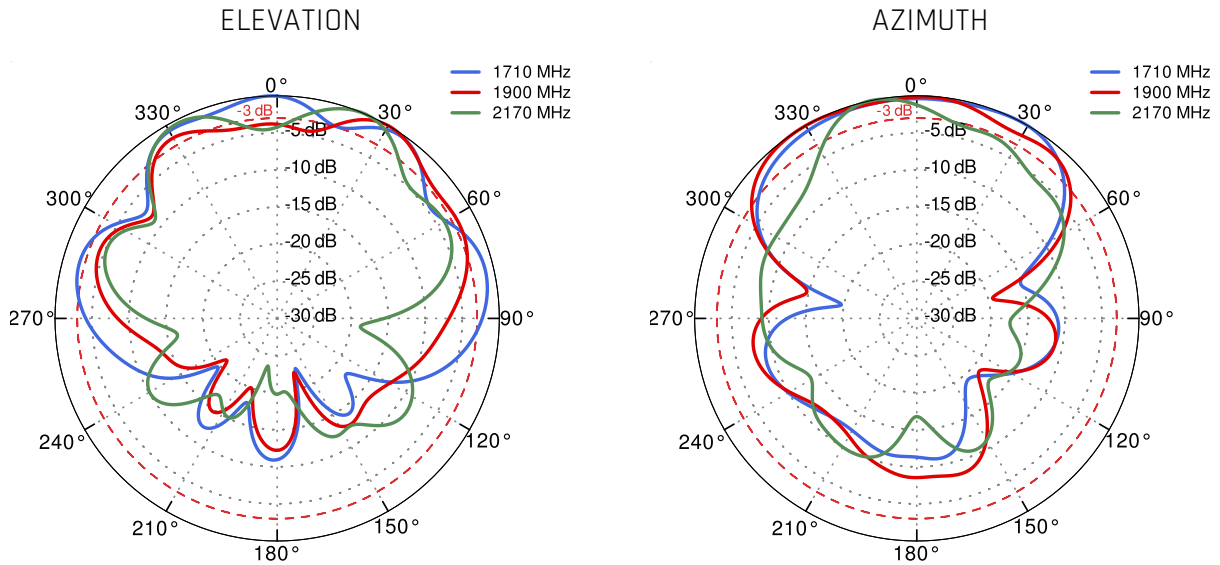
PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz



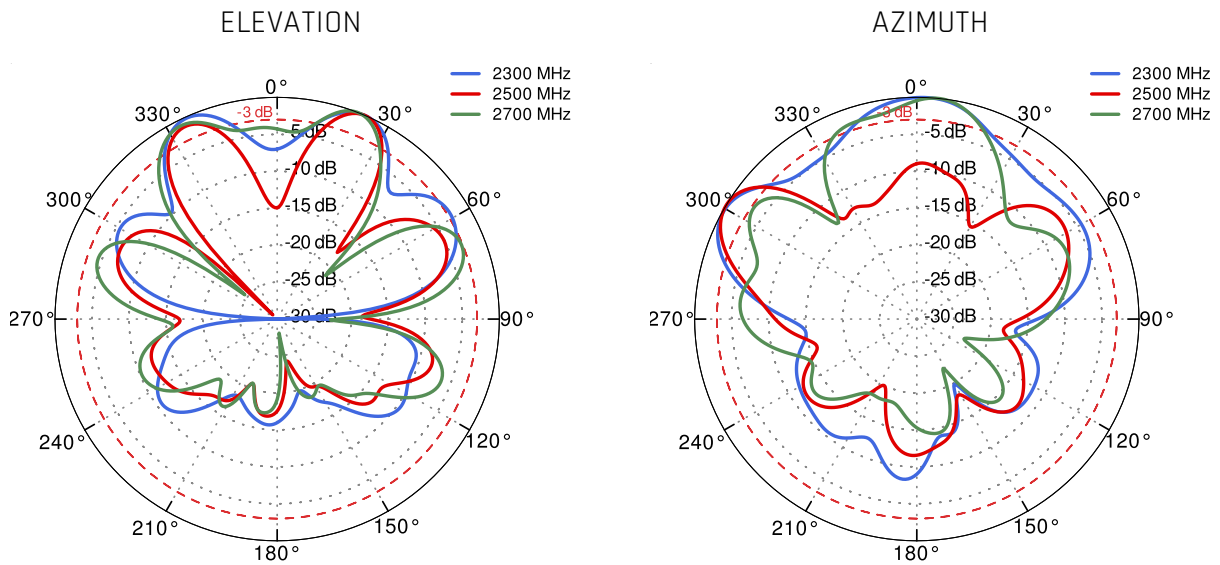
PORT 2 - 5G/LTE from 650MHz to 950MHz



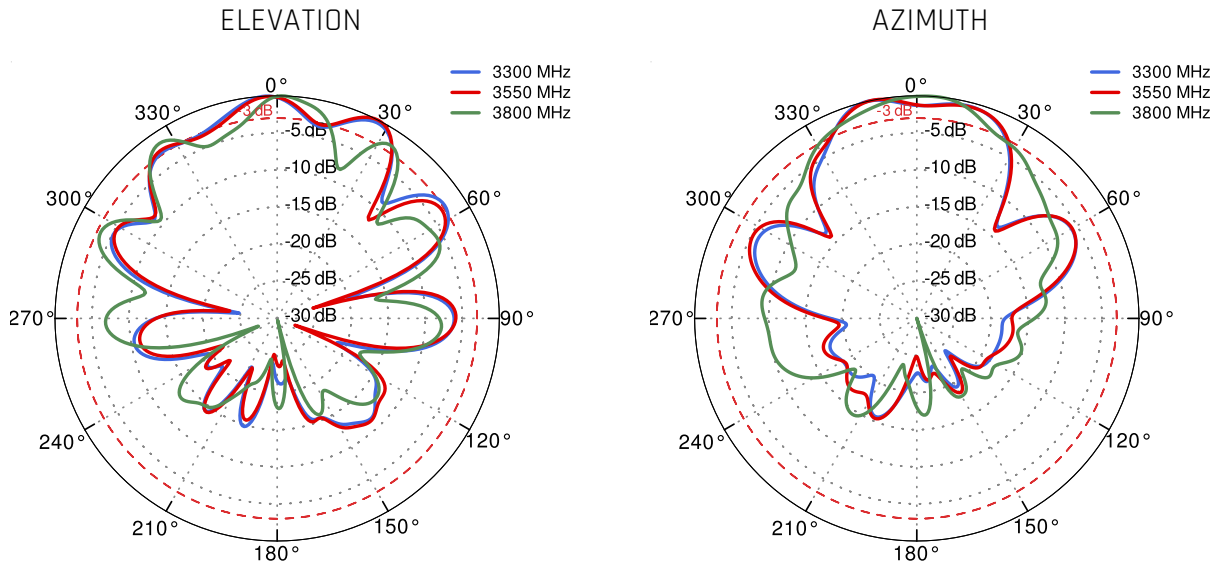
PORT 2 - 5G/LTE from 1.71GHz to 2.17GHz



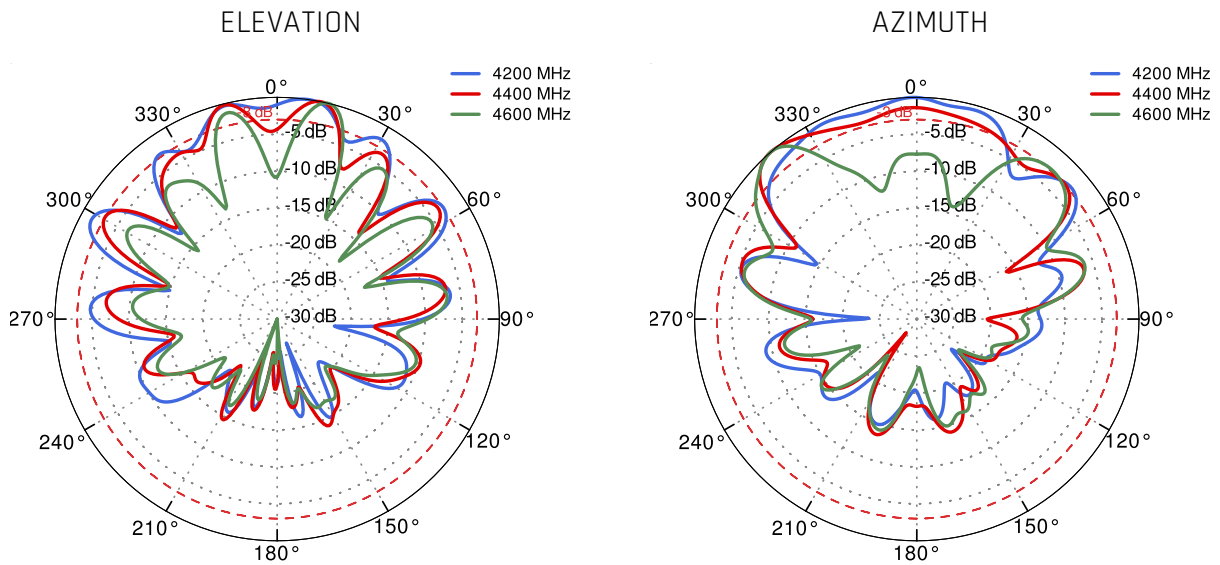
PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz



PORT 2 - 5G/LTE from 3.3GHz to 3.8GHz



PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz



PORT 2 - 5G/LTE from 5.0GHz to 5.9GHz

