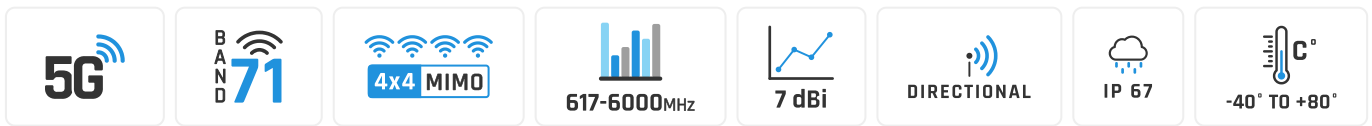


QuPanel 5G/LTE Global MIMO 4x4

Directional ultra wideband 5G/LTE MIMO 4x4 antenna

QuPanel **5G**/LTE omnidirectional MIMO 4x4 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 4x4 5G modems and routers like: Teltonika, Digi, Mikrotik, Robustel, Cisco, etc.



5G AND LTE ANTENNA SPECIFICATION

FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz
GAIN	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
SUPPORTED LTE/5G BANDS	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
VSWR	<2.00, max <3.00
BEAMWIDTH	80°/80° ±15°
POLARIZATION	X (±45degrees)
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, fiberglass
CONNECTOR TYPE	SMA
INGRESS PROTECTION	IP67
DIMENSIONS	486.0 x 292.2 x 105.6 mm 19.13 x 11.50 x 4.16 inch
WEIGHT	2.8 kg 6.17 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F

FREQUENCY BANDS

LTE / 4G GSM	<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> <td rowspan="4">960 MHz</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>	5	6	8	12	13	14	17	960 MHz	18	19	20	26	27	28	29	44	67	68	71	85	n81	n82	n83	n89					
5	6	8	12	13	14	17	960 MHz																							
18	19	20	26	27	28	29																								
44	67	68	71	85	n81	n82																								
n83	n89																													
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 rowspan="3">2170 MHz</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>	1	2	3	4	9	10	25	2170 MHz	33	34	35	36	37	39	59	62	n80	n84	n86	n95									
1	2	3	4	9	10	25	2170 MHz																							
33	34	35	36	37	39	59																								
62	n80	n84	n86	n95																										
LTE / 4G WCS DARS	<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

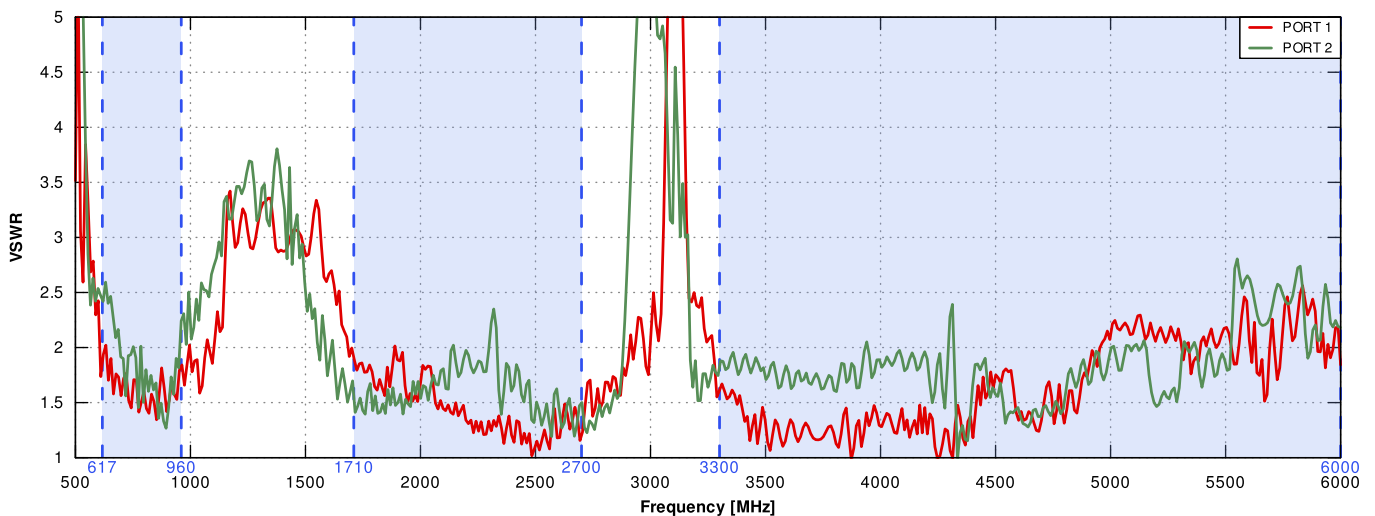
3300 MHz	22	42	43	48	49	52	n78	3800 MHz
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COMPATIBLE ROUTERS

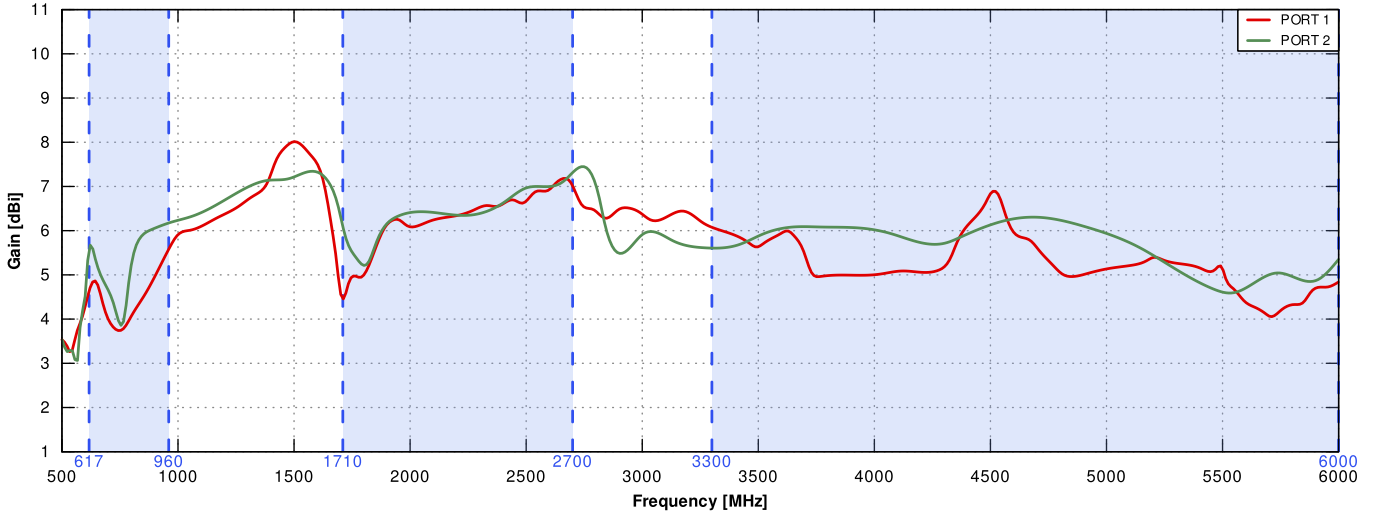
VARIANTS: AP5G4-G, AP5G4-G1

PLOTS

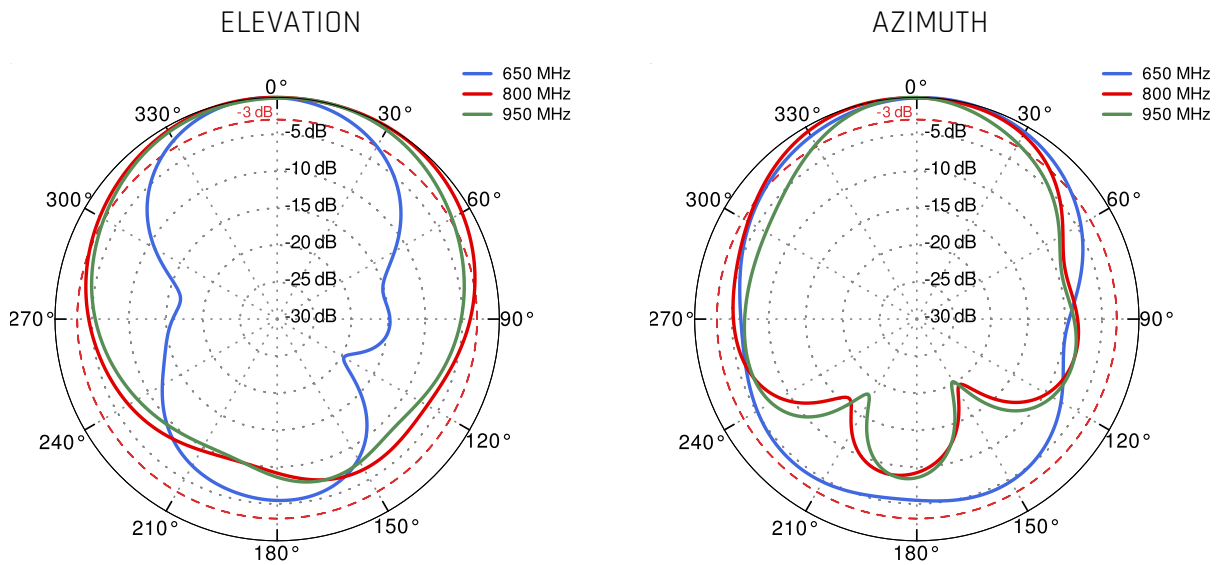
VSWR



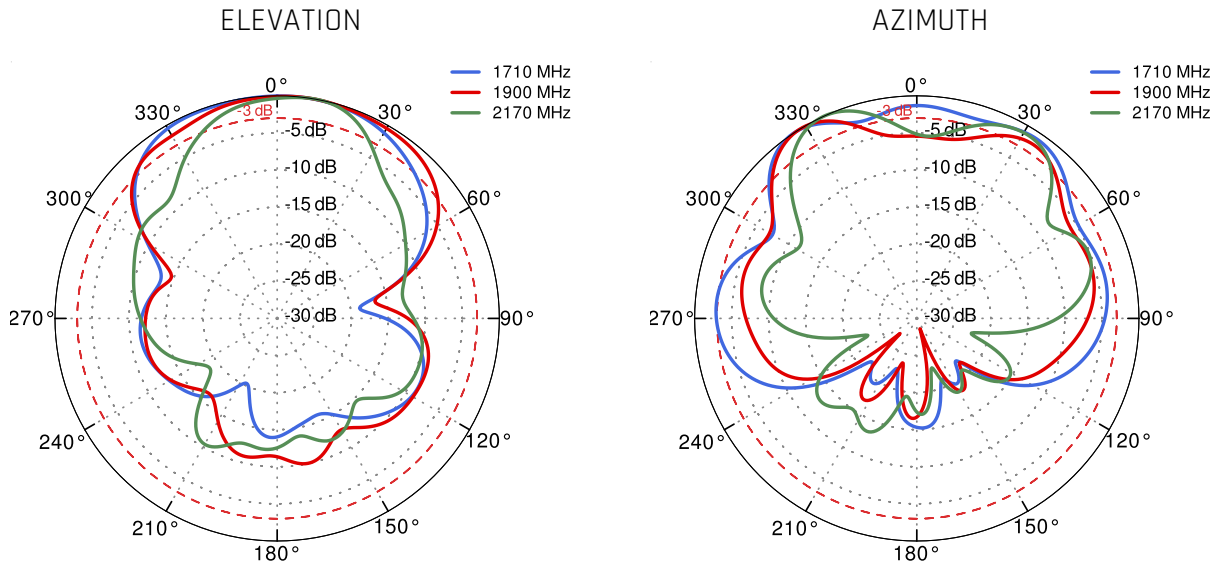
Gain



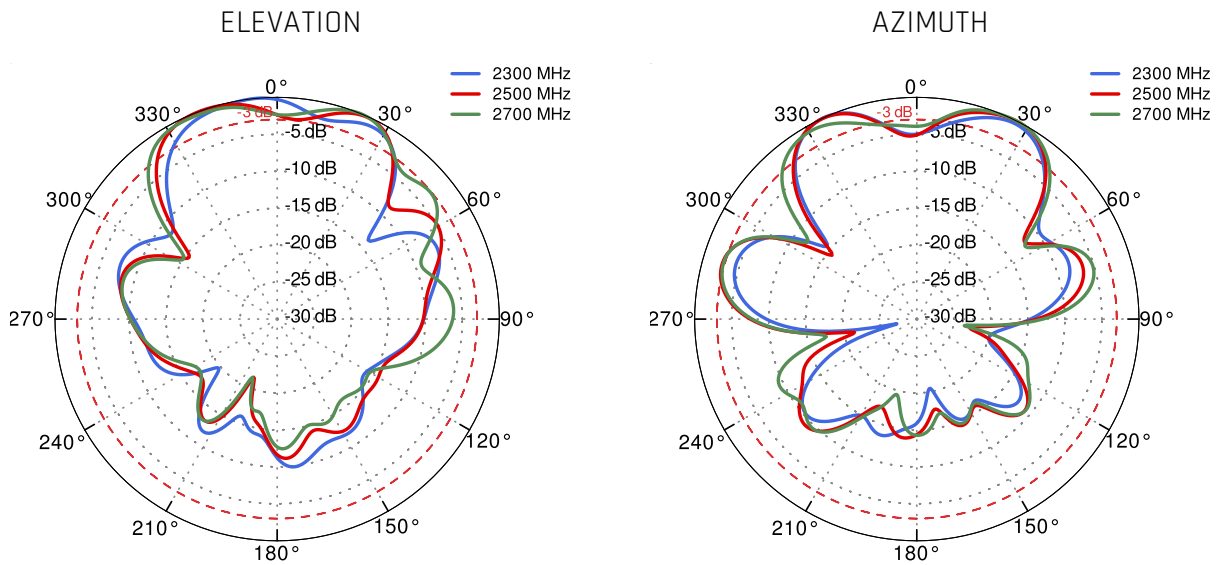
PORT 1 - 5G/LTE from 650MHz to 950MHz



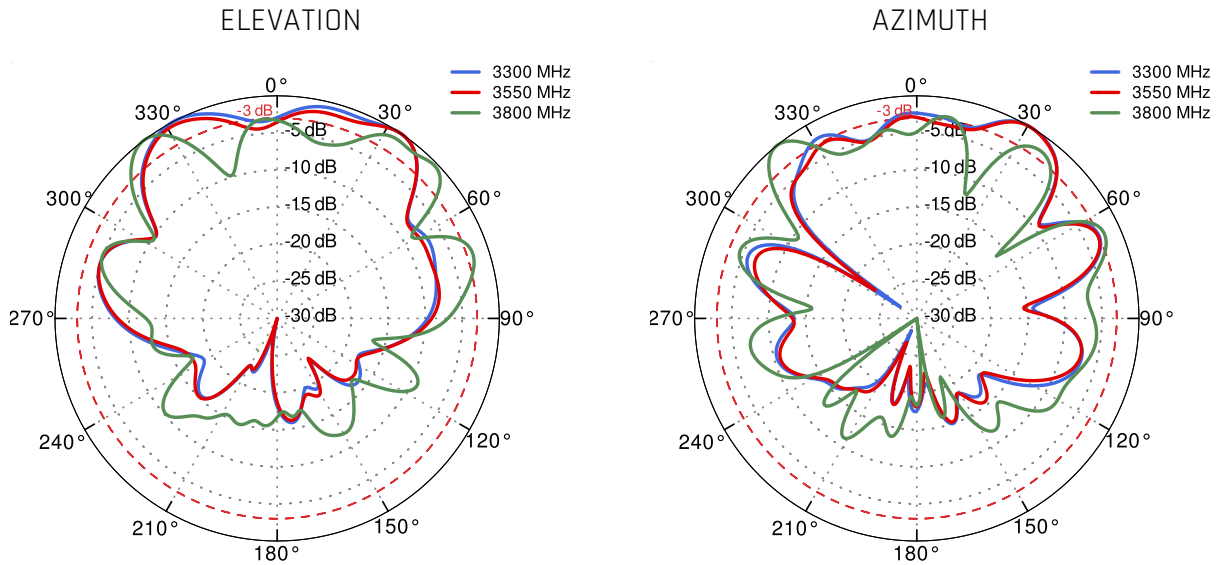
PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz



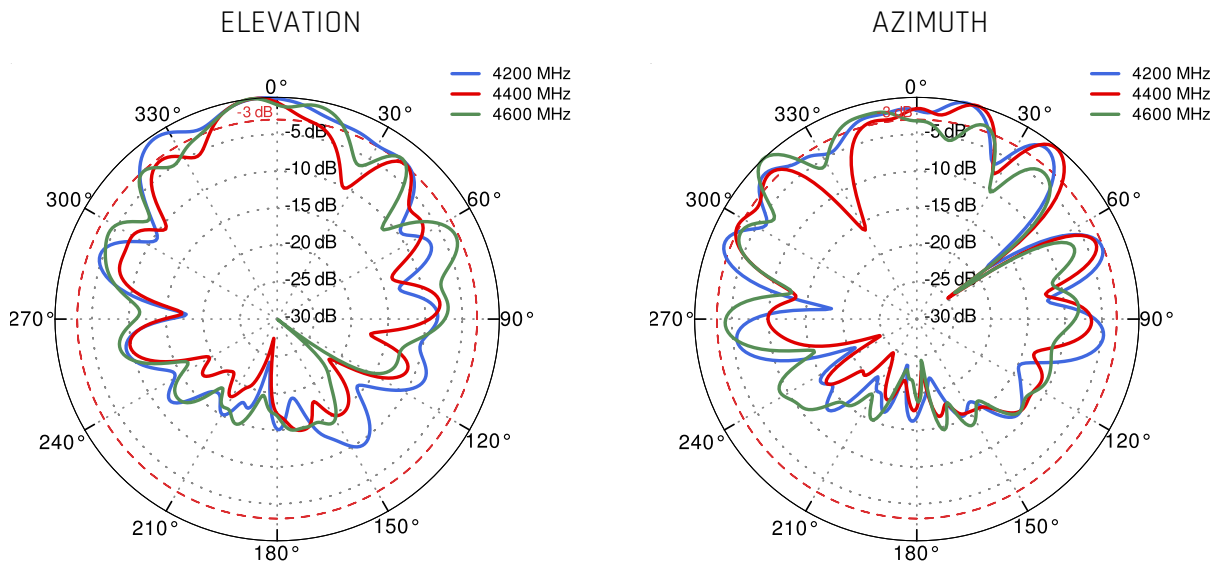
PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz

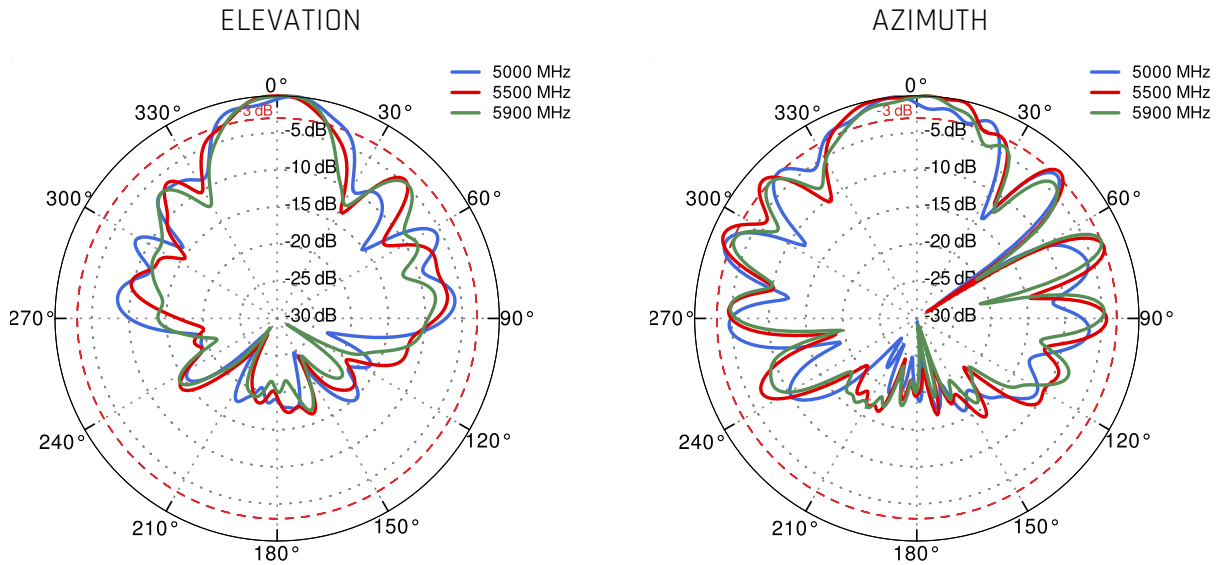
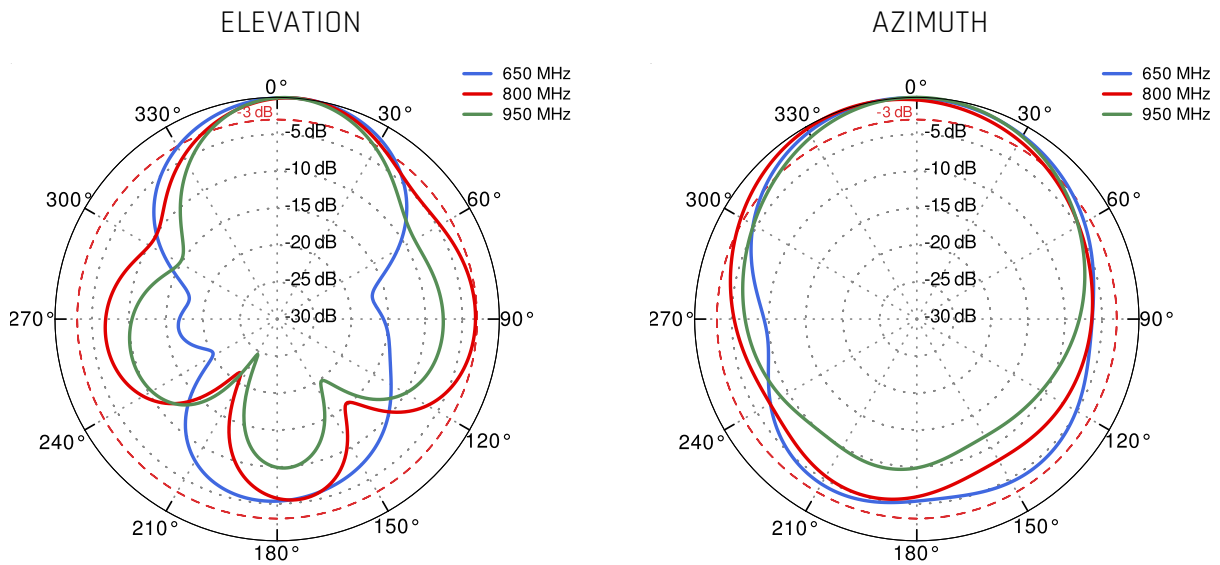


PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz

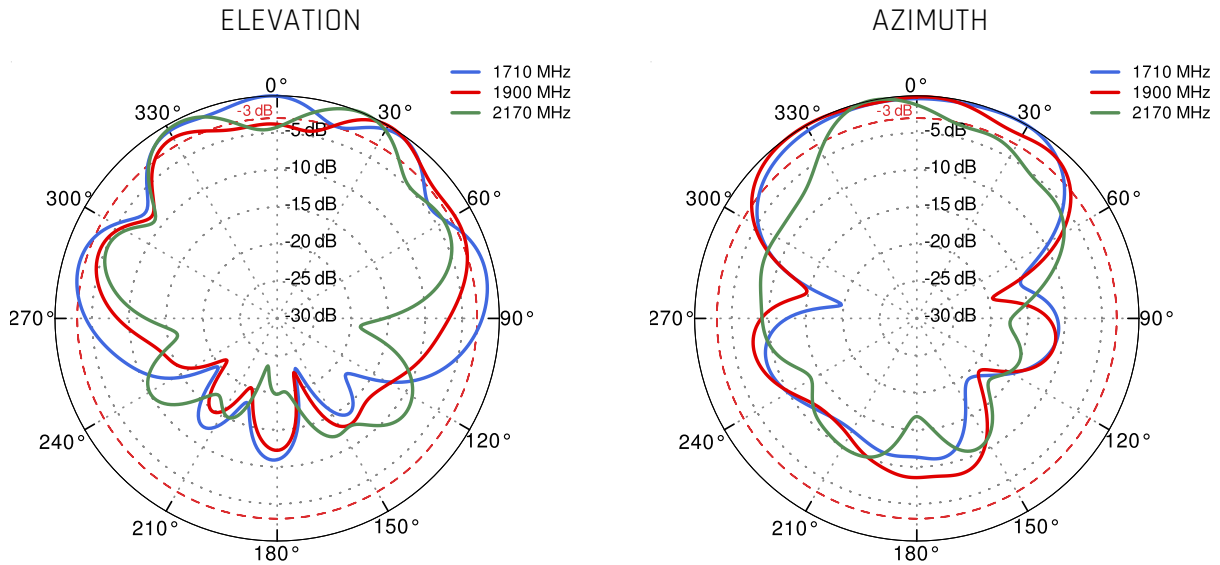


PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz

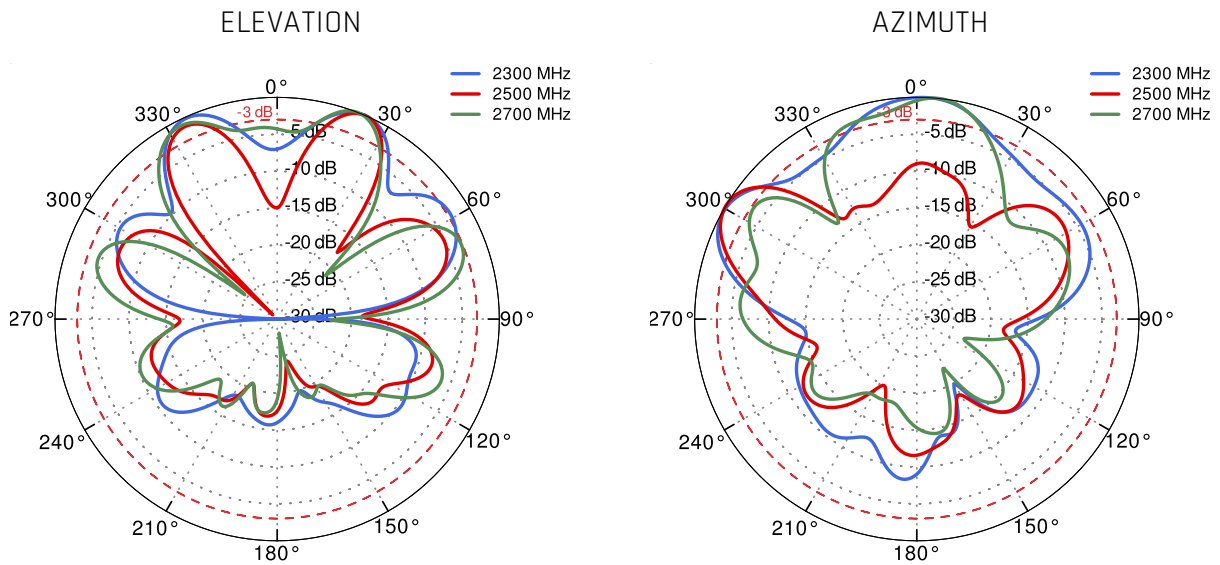


PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz

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


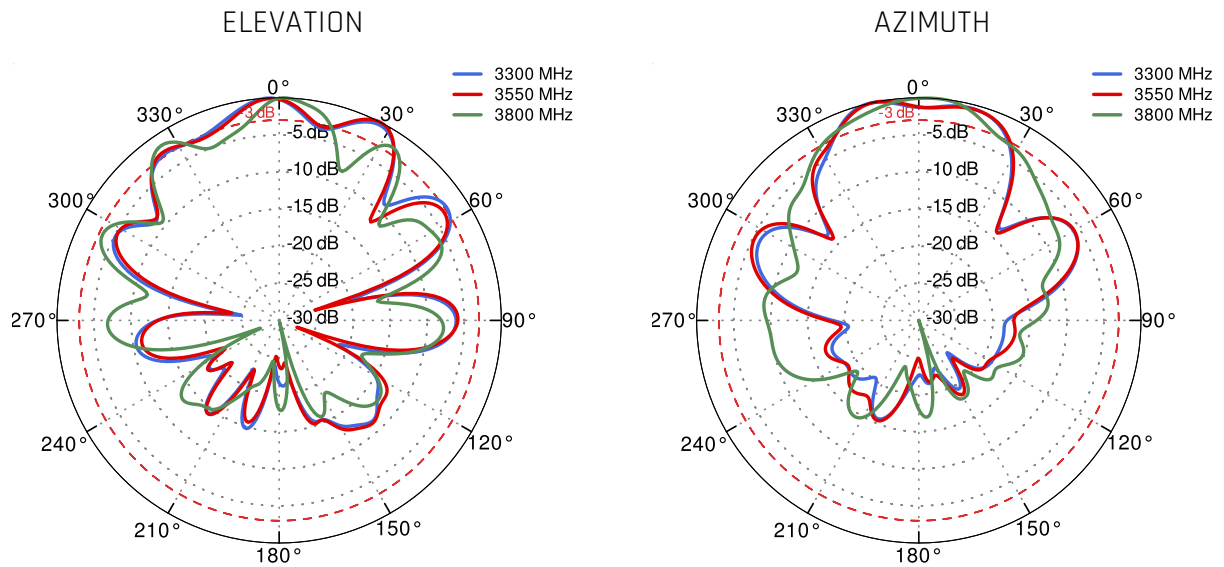
PORT 2 - 5G/LTE from 1.71GHz to 2.17GHz



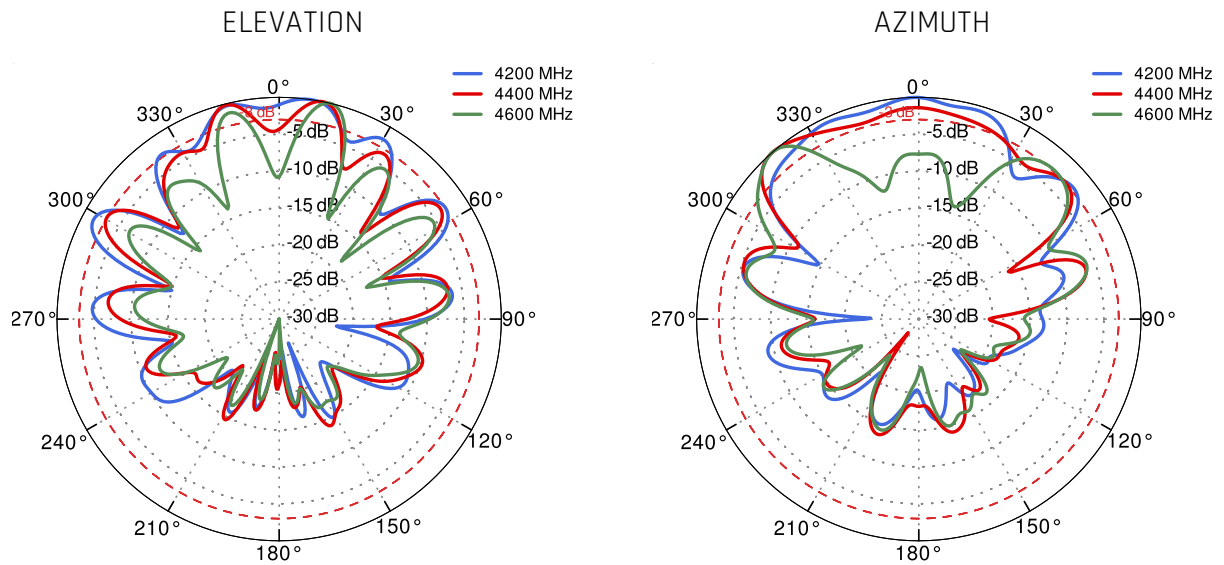
PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz



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

