

QuPanel 5G/LTE MIMO 2x2 Nf

Directional High Power multiband 5G/LTE MIMO 2x2 antenna

QuPanel 5G/LTE directional MIMO 2x2 high gain antenna is predicted for 5G and 4G LTE mainly, but is compatible with 3G and 2G as well. The antenna improves the signal in rural/suburban and locations where the mobile signal is weak. That antenna is predicted to be installed on the buildings (on the pole or on the wall). Due to very wide working frequency range, the antenna is universal client for 5G bands n77, n78 and LTE bands like LTE700 / 800 / 1800 / 1900 / 2100 / 2300 / 2600 / 3400 / 3800. It's compatible with Teltonika and other MIMO 4x4 5G / LTE / 3G / 2G modems and routers.



 OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67

 MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION

 TWO NF CONNECTORS

 7.5 DBI GAIN

 70° BEAMWIDTH

 MADE IN EUROPE

5G/LTE ANTENNA SPECIFICATION

FREQUENCY	694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz 3.3 - 3.8 GHz
GAIN	694 - 960 MHz : 7 dBi 1.7 - 2.2 GHz : 7 dBi 2.2 - 2.7 GHz : 7.5 dBi 3.3 - 3.8 GHz : 5.5 dBi
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, 85, 103, n78, n80, n81, n82, n83, n84, n86, n89, n90, n95, n97, n98, n100, n101, n256
FRONT-TO-BACK	694 - 960 MHz : >10 dB 1.7 - 2.2 GHz : >12 dB 2.2 - 2.7 GHz : >14 dB 3.3 - 3.8 GHz : >17 dB
VSWR	<1.70, max <2.00
BEAMWIDTH	70°/70° ±15°
POLARIZATION	Dual polarized X-Pol
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP67
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 80°C From -40°F to 176°F
CONNECTOR TYPE	Integrated Nf connectors

FREQUENCY BANDS

LTE / 4G GSM	<table border="1"> <tr> <td>5</td><td>8</td><td>10</td><td>13</td><td>14</td><td>17</td><td>18</td><td></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></td><td></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><td></td> </tr> <tr> <td>n89</td><td>n100</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> <p>617 MHz 960 MHz</p>	5	8	10	13	14	17	18			19	20	26	27	28	29	44			67	68	85	103	n81	n82	n83			n89	n100							
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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><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></td><td></td> </tr> <tr> <td>n84</td><td>n86</td><td>n95</td><td>n98</td><td>n101</td><td></td><td></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													
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LTE / 4G WCS DARS	<table border="1"> <tr> <td>2300 MHz</td><td>30</td><td>40</td><td>n97</td><td></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

LTE / 5G

 3300
MHz

22

42

43

48

49

52

n78

 3800
MHz

COMPATIBLE ROUTERS

VARIANT: AP5G2-N

TELTONIKA

RUT200, RUT230, RUT240, RUT241, RUT900, RUT901, RUT950, RUT951, RUT955, RUT956, RUTX09, RUTX11

DIGI

6310-DX, 6330-MX, EX12, EX15, IX10, IX20, WR31, WR44 RR

ROBUSTEL

EG5100, LG5100, R1500, R1510, R1511, R1520 Global, R2010, R2011, R2110, R3000 Industrial, R3000 LG, R3000 Lite, R3000 Quad, R3010

SIEMENS

6GK5876-4AA00-2BA2, 6GK5876-4AA00-2DA2, 6GK5876-4AA10-2BA2

ANYBUS

Wireless Router WLAN

COMSET

CM210A-W, CM210Q-W, CM510Q-W, CM685T-W, CM685V-1, CM685V-4, CM685V-6, CM685V-6-G, CM820T-W, CM820V-4, CM820V-W

CRADLEPOINT

CBA550, E100, E102, IBR200, IBR600C, IBR900, L950

D-LINK

G415 AX1500, G416 AX1500, N300 4G

FORTINET

FEX-101F, FEX-201F, FEX-211E, FEX-212F

FOUR-FAITH

4G Cellular Router F-R100, Cellular Wireless Router F-R200, Dual-sim WiFi Router F3946, Industrial WiFi Router F3X36Q, LAN Port Router F3X26 V2, LTE Industrial Router F3X27 V2, LTE Wireless Router F3x36

PEPLINK

MAX BR1 Classic, MAX BR1 ENT, MAX BR1 M2M, MAX BR1 Mini, MAX BR1 MK2, MAX BR1 Pro, MAX BR1 Slim

- PROROUTE**
- SIERRA WIRELESS**
- WAVETEL**
- WLINK**

H685 4G Router

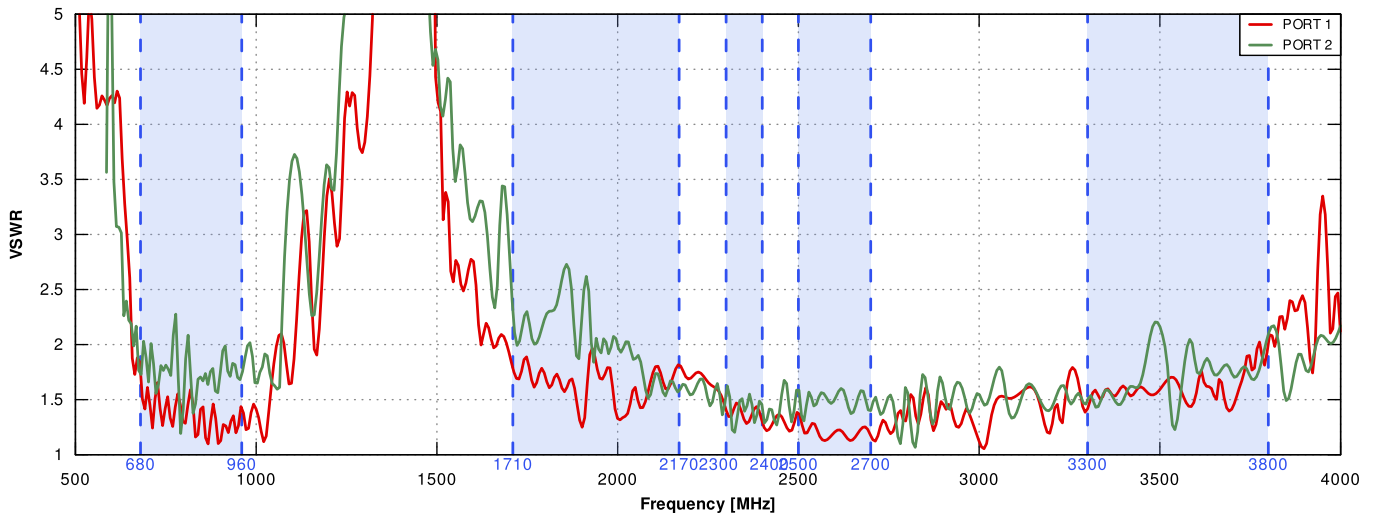
AirLink LX40, AirLink LX60, AirLink MP70, AirLink RV50X, AirLink RV55, AirLink RX55

W2400 LTE , W3600 4G/LTE Dual WAN, W3604 Multi-WAN, W3608 Multi-WAN, W421, W4600, W4600-S2

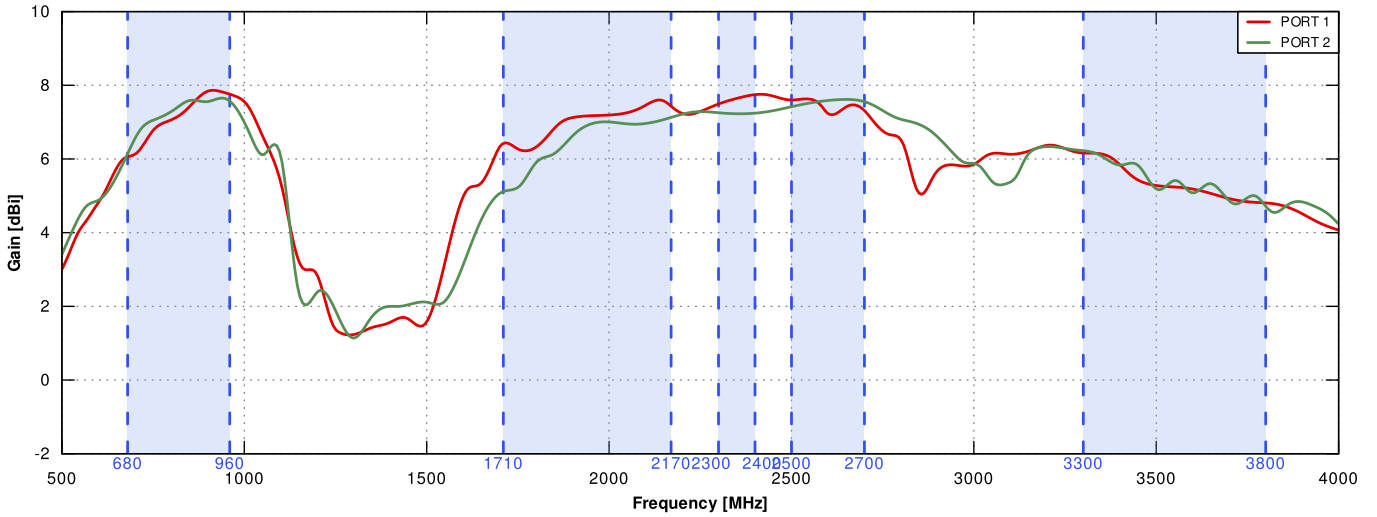
G200, G510, G520, R210, R220, R520

PLOTS

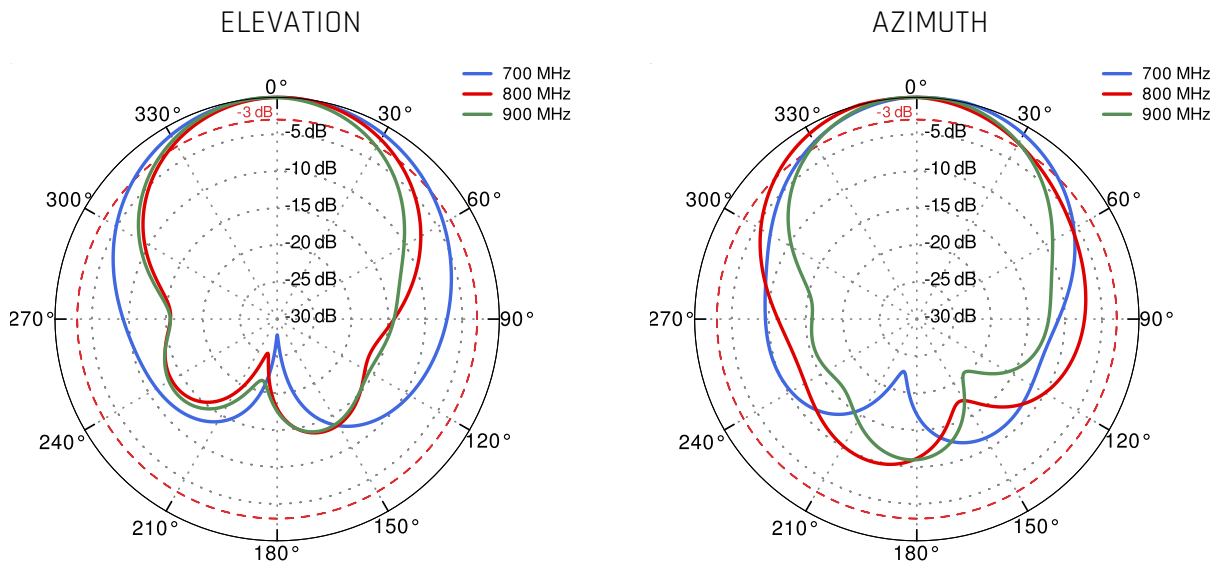
VSWR

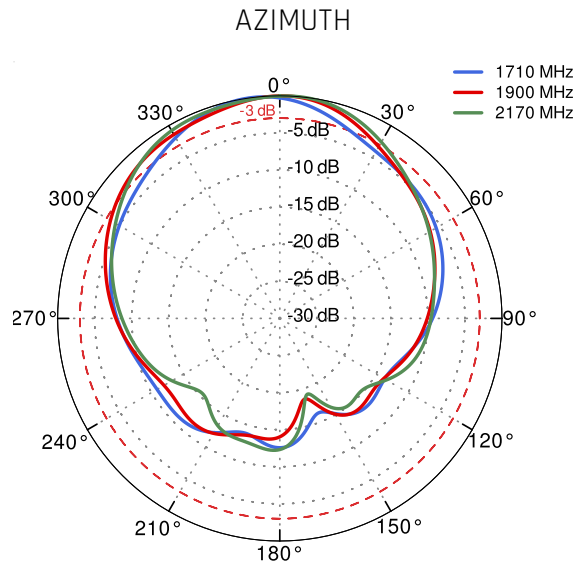
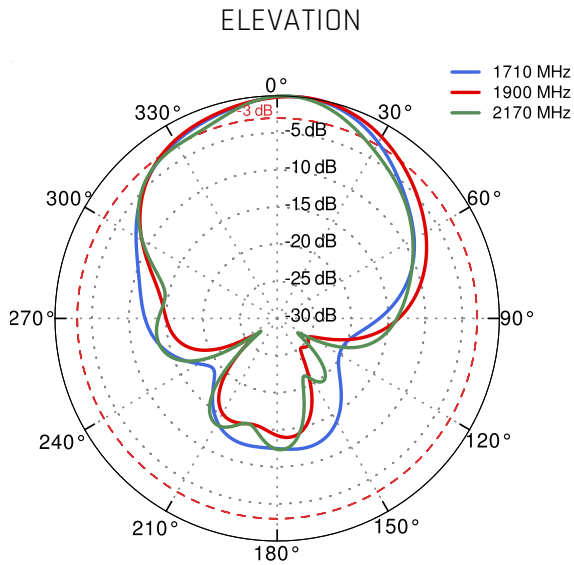
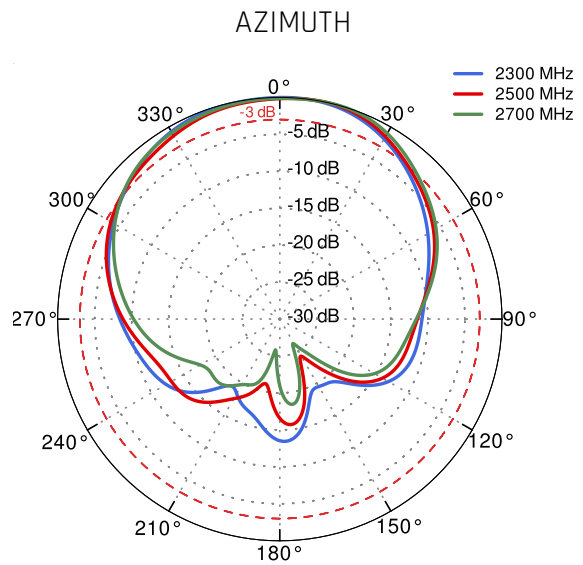
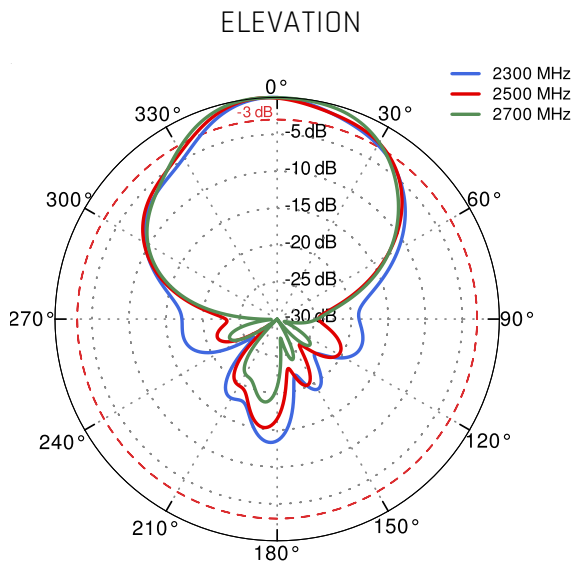


Gain

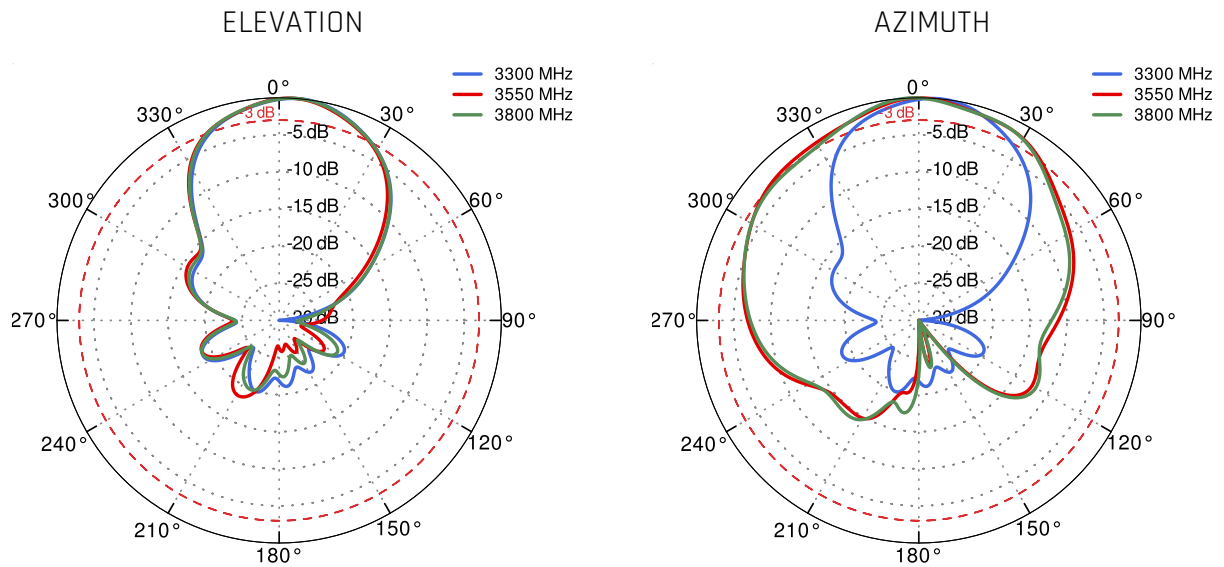


Port 1 700MHz to 900MHz

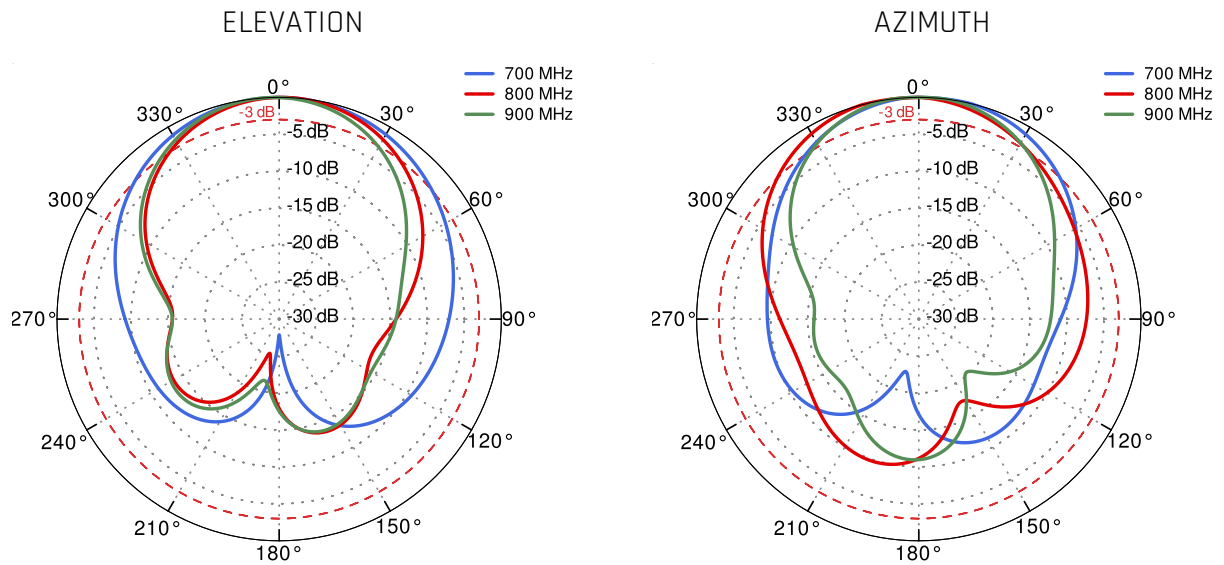


Port 1 1.71GHz to 2.17GHz

Port 1 2.3GHz to 2.7GHz


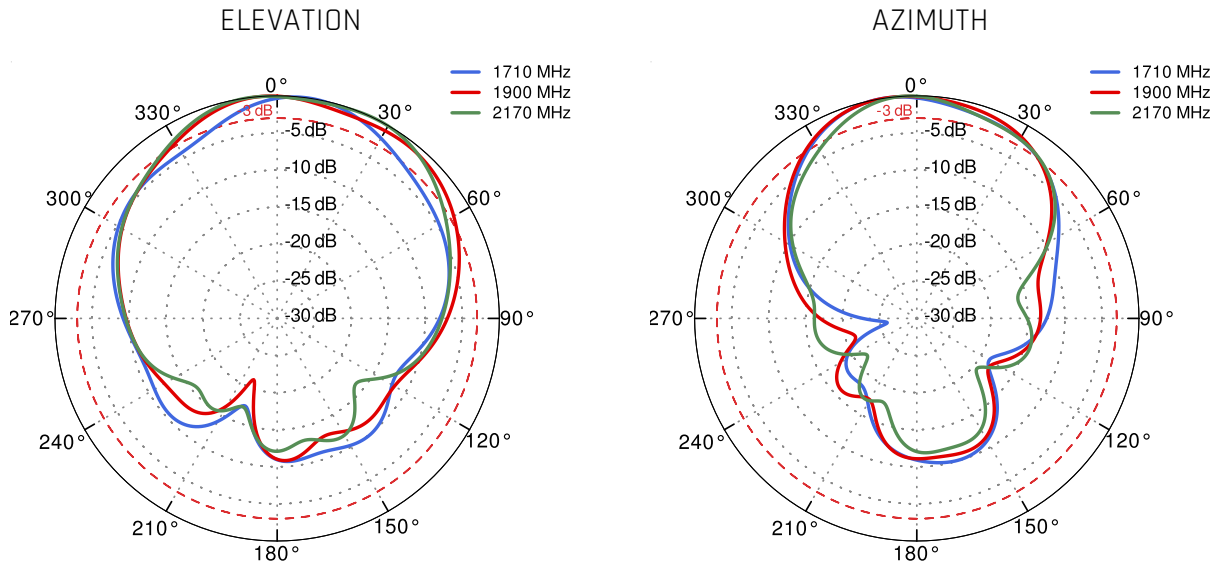
Port 1 3.3GHz to 3.8GHz



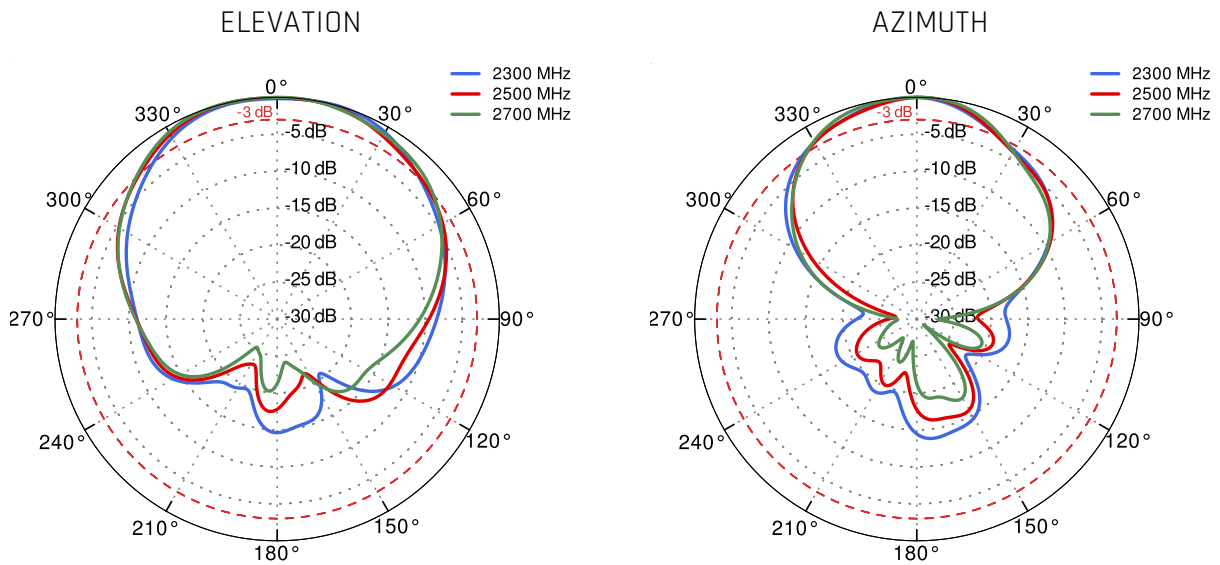
Port 2 700MHz to 900MHz



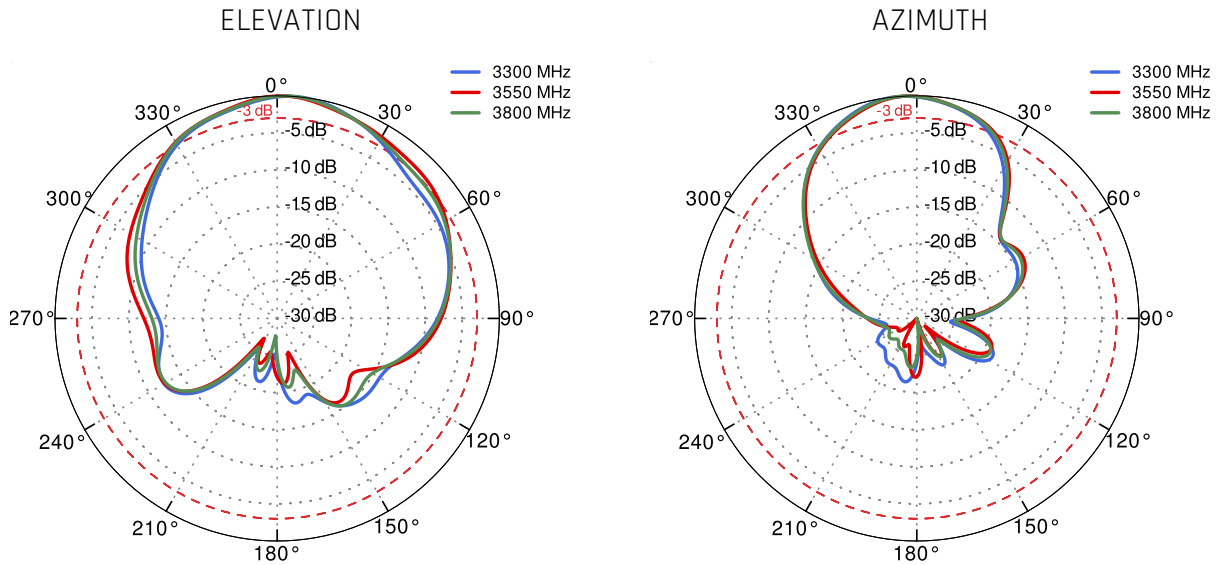
Port 2 1.71GHz to 2.17GHz



Port 2 2.3GHz to 2.7GHz



Port 2 3.3GHz to 3.8GHz



DIMENSIONS

