

QuPanel LTE HP MIMO 4x4 Nf

Directional High Power multiband LTE MIMO 4x4 antenna

QuPanel LTE directional MIMO 4x4 high gain antenna is specifically designed to support 4G and LTE in high categories, ranging from Cat 5 up to Cat 19. This antenna is highly effective at enhancing signal quality in rural and suburban areas, as well as in places with weak mobile signal coverage.

It is intended for outdoor installation on a pole or affixed to a wall.

Thanks to its exceptionally wide operating frequency range, this antenna serves as a versatile client for LTE bands such as LTE700, LTE800, LTE1800, LTE1900, LTE2100, LTE2300, and LTE2600. Furthermore, it offers compatibility with all MIMO 4x4 LTE modems and routers operating in various categories, including Cat 5, Cat 6, Cat 7, Cat 9, Cat 10, Cat 11, Cat 12, Cat 13, Cat 15, Cat 16, Cat 18, Cat 19, and Cat 20.



OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



FOUR NF CONNECTORS



7 DBI GAIN



70° BEAMWIDTH



MADE IN EUROPE



LTE ANTENNA SPECIFICATION

FREQUENCY	694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz
GAIN	694 - 960 MHz : 7 dBi 1.7 - 2.2 GHz : 7 dBi 2.2 - 2.7 GHz : 7 dBi
SUPPORTED LTE/5G BANDS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 59, 62, 65, 66, 67, 68, 69, 85, n80, n81, n82, n83, n84, n86, n89, n90, n95
VSWR	<1.70, max <2.00
BEAMWIDTH	70° /70° ±15°
POLARIZATION	Dual polarized X-Pol
IMPEDANCE	50 Ω
FRONT-TO-BACK	>10 dB

MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, Fiberglass
CONNECTOR TYPE	4x Nf
INGRESS PROTECTION	IP67
DIMENSIONS	392 x 392 x 99 mm 15.43 x 15.43 x 3.90 inch
WEIGHT	3.7 kg 8.16 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
MAST DIAMETER	25-60mm 0.98-2.36 inch

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> </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>85</td><td>n81</td><td>n82</td><td>n83</td> </tr> <tr> <td>n89</td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> <p>617 MHz 960 MHz</p>	5	6	8	12	13	14	17	18	19	20	26	27	28	29	44	67	68	85	n81	n82	n83	n89						
5	6	8	12	13	14	17																							
18	19	20	26	27	28	29																							
44	67	68	85	n81	n82	n83																							
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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> </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 2170 MHz</p>	1	2	3	4	9	10	25	33	34	35	36	37	39	59	62	n80	n84	n86	n95									
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33	34	35	36	37	39	59																							
62	n80	n84	n86	n95																									

LTE / 4G WCS DARS

 2300 MHz 2400 MHz

LTE / 4G

 2400 MHz 2700 MHz

COMPATIBLE ROUTERS

VARIANT: APLM4-HN

TELTONIKA

RUTX12, RUTX14

ROBUSTEL

EG5200, R2000

COMSET

CM770W-6

CRADLEPOINT

IBR1700

DIGI

TX54 LTE-Advanced

FIBOCOM

NL952-EAU, NL952-NA

FORTINET

FEX-311F, FEX-311F

PEPLINK

BR1 Pro (CAT-20), BR1 Pro CAT-20, MAX HD2, MAX HD2 Mini, MAX Transit, UBR Plus

QUECTEL

LTE-A EM160R-GL

ROBUSTEL

EG5200, R2000

TELIT CINTERION

LM960A18 Series

TELTONIKA

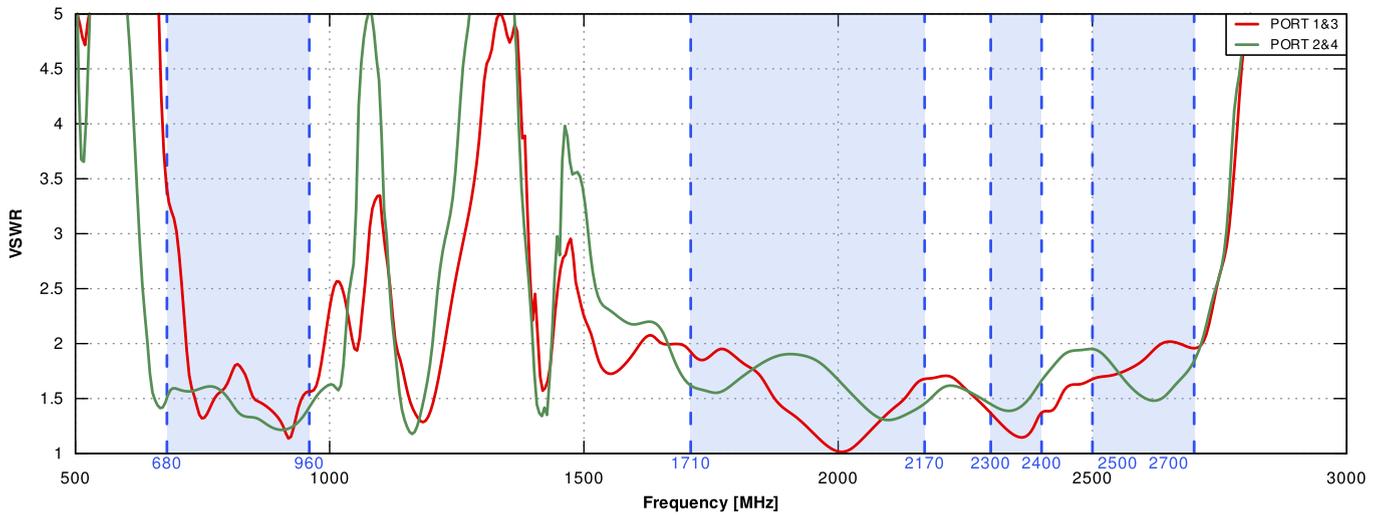
RUTX12, RUTX14

OTHER

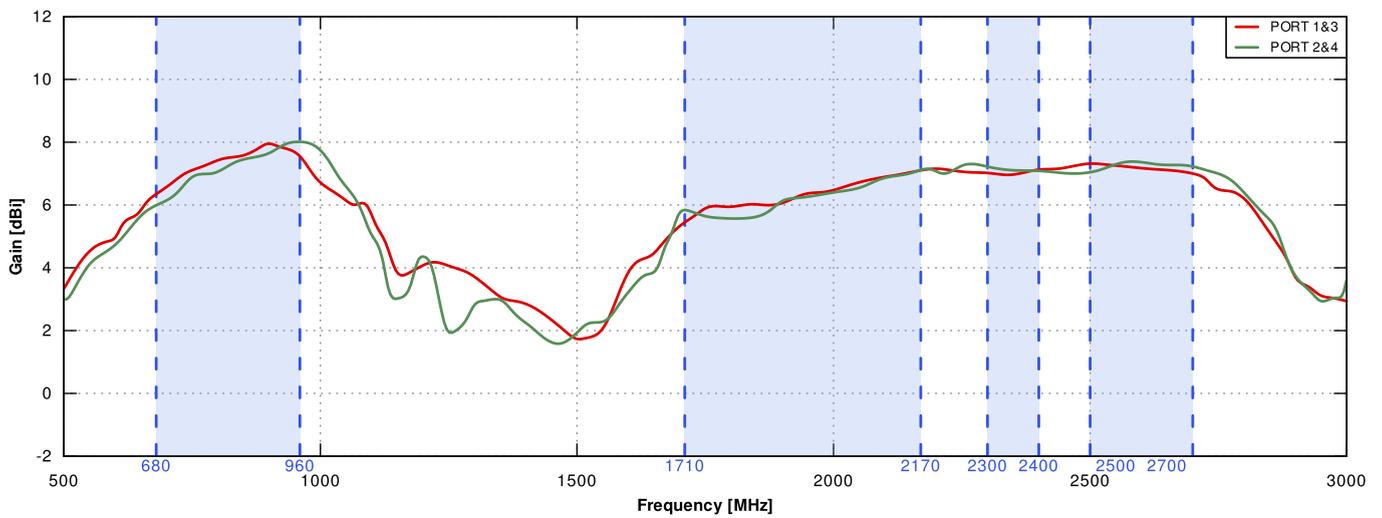
4 * SMA

PLOTS

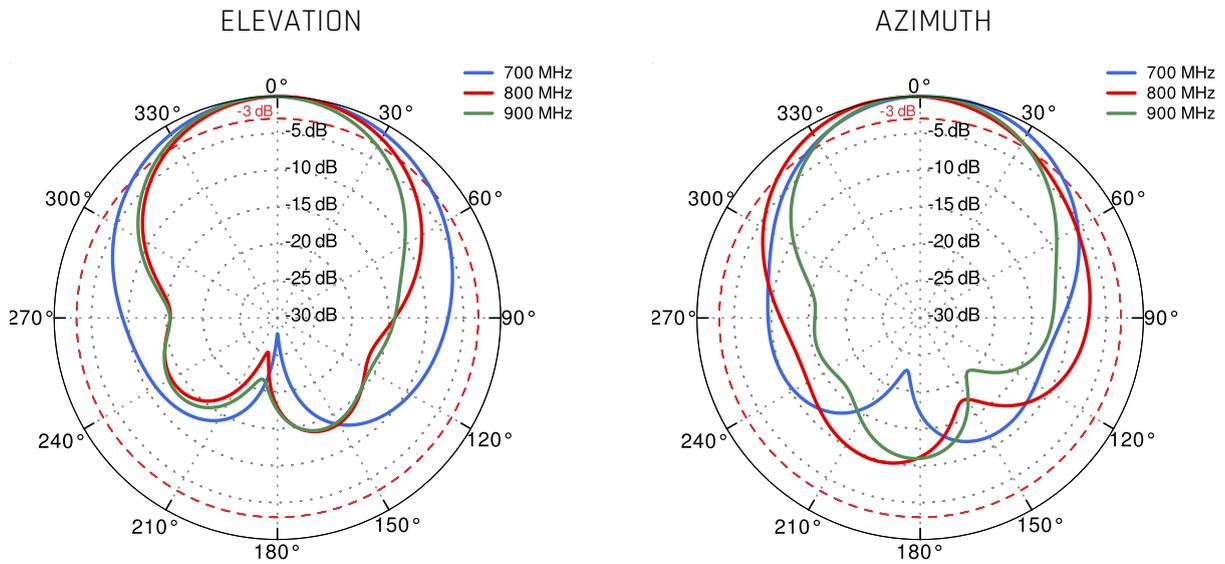
VSWR



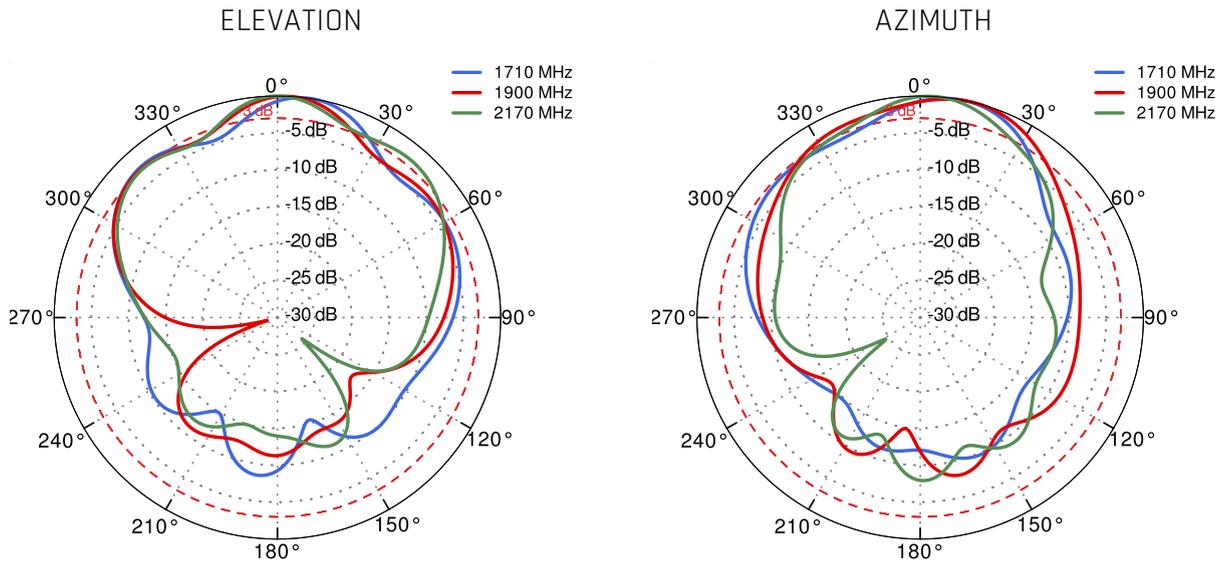
Gain



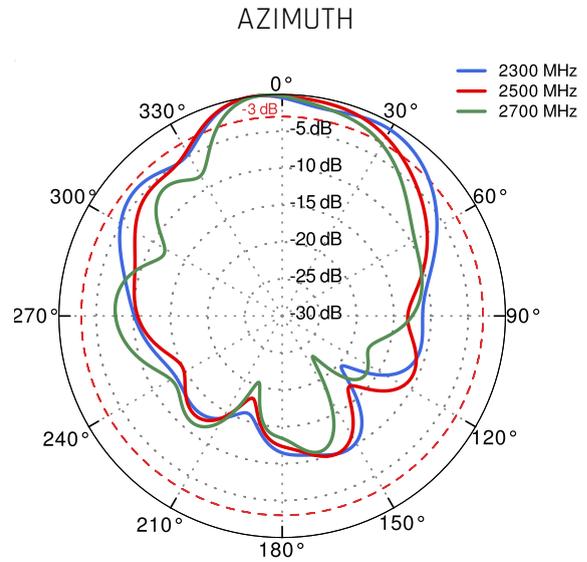
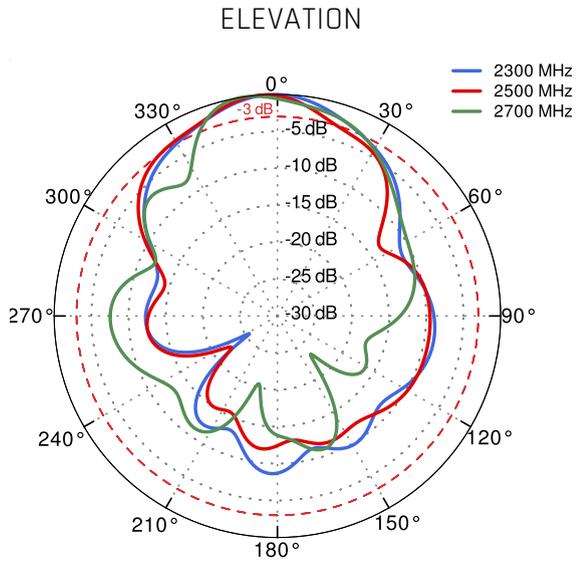
Port 1&3 700MHz to 900MHz



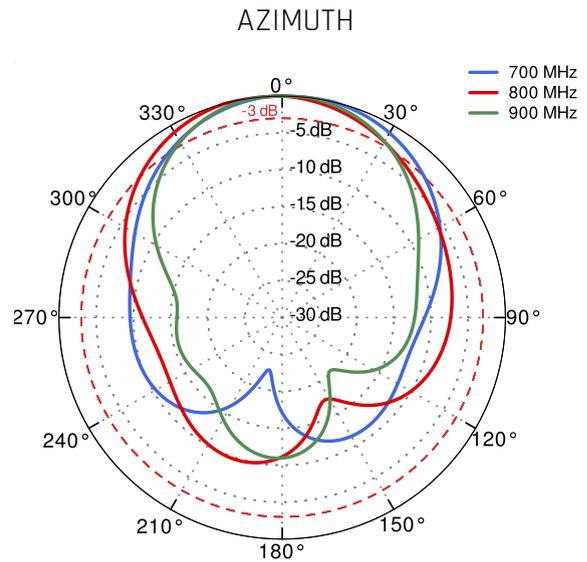
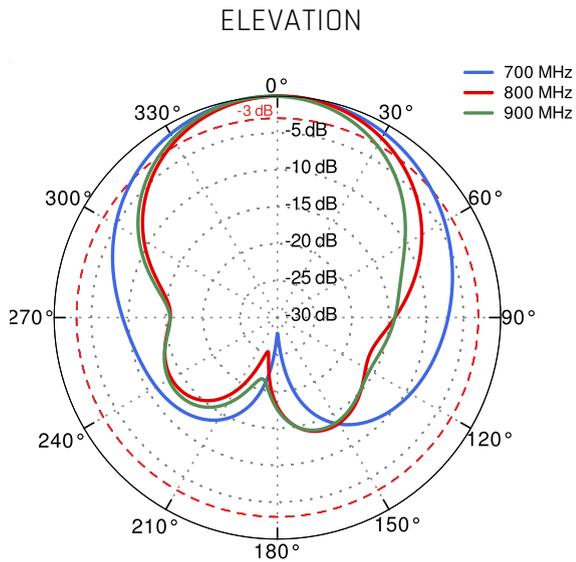
Port 1&3 1.71GHz to 2.17GHz

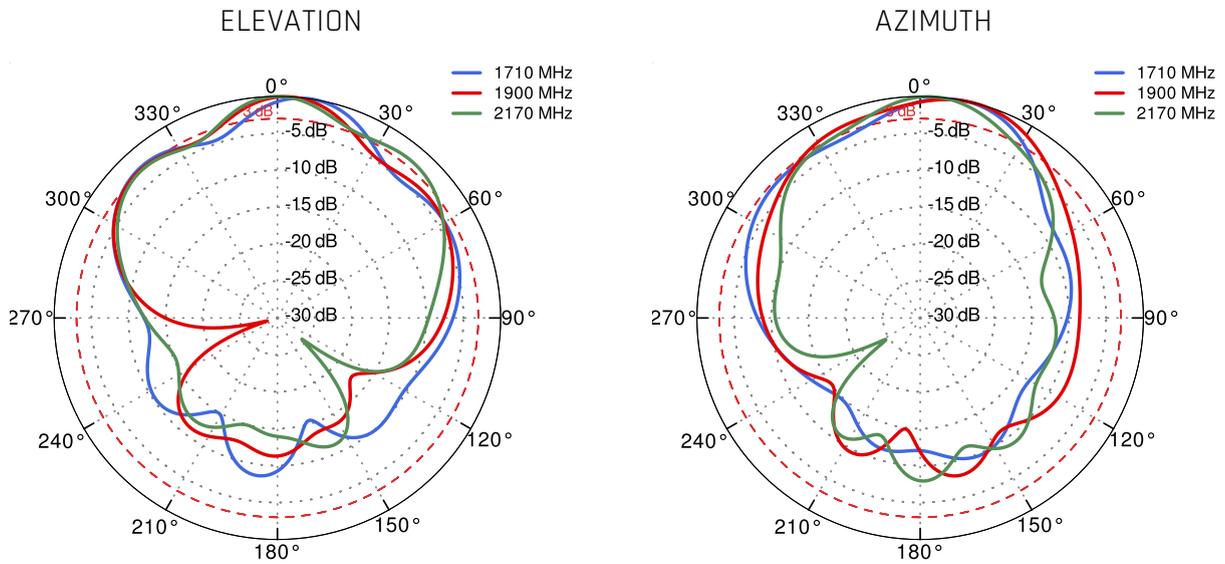
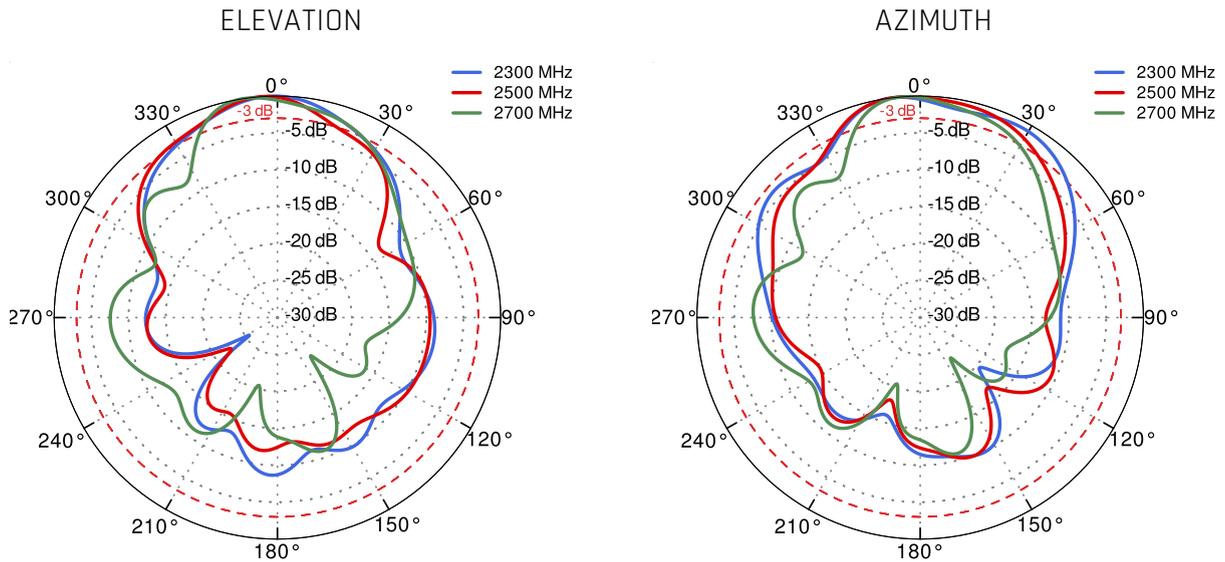


Port 1&3 2.3GHz to 2.7GHz



Port 2&4 700MHz to 900MHz



Port 2&4 1.71GHz to 2.17GHz

Port 2&4 2.3GHz to 2.7GHz


DIMENSIONS

