

QuPanel LTE HP MIMO 4x4

Directional High Power multiband LTE MIMO 4x4 antenna

QuPanel LTE directional MIMO 4x4 high gain antenna is predicted for 4G LTE high categories from cat 5 up to cat 19. 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 LTE bands like LTE700/800/1800/1900/2100/2300/2600. It's compatible with all MIMO 4x4 LTE modems and routers working in categories: cat 5, cat 6, cat 7, cat 9, cat 10, cat 11, cat 12, cat 13, cat 15, cat 16, cat 18, cat 19, cat 20.

4G
LTE**4x4 MIMO**
694-2700MHz
7 dBi
DIRECTIONAL
IP 67
-40° TO +80°

OUTDOOR ANTENNA WORKS IN ANY
WEATHER CONDITIONS, IP67



MOUNTING SYSTEM WITH TWO
PLANES, 60 DEGREES REGULATION



FOUR SMA 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 : 8 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 SMA plug |
| 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 |
| CABLE LENGTH | 5m (P/N: APLM4-H) or 10m (P/N: APLM4-H1) |
| CABLE TYPE | LMR195 white |
| MAST DIAMETER | 25-66mm 0.98-2.60 inch |

FREQUENCY BANDS

LTE / 4G GSM

| | | | | | | | | |
|---------|-----|----|----|----|-----|-----|-----|---------|
| | 5 | 6 | 8 | 12 | 13 | 14 | 17 | |
| 617 MHz | 18 | 19 | 20 | 26 | 27 | 28 | 29 | 960 MHz |
| | 44 | 67 | 68 | 85 | n81 | n82 | n83 | |
| | n89 | | | | | | | |

LTE / 4G UMTS

| | | | | | | | | |
|----------|----|-----|-----|-----|-----|----|----|----------|
| | 1 | 2 | 3 | 4 | 9 | 10 | 25 | |
| 1710 MHz | 33 | 34 | 35 | 36 | 37 | 39 | 59 | 2170 MHz |
| | 62 | n80 | n84 | n86 | n95 | | | |

LTE / 4G WCS DARS

| | | | | | | | | |
|----------|----|----|--|--|--|--|--|----------|
| 2300 MHz | 30 | 40 | | | | | | 2400 MHz |
|----------|----|----|--|--|--|--|--|----------|

LTE / 4G

| | | | | | | | | |
|----------|---|----|----|----|----|-----|--|----------|
| 2400 MHz | 7 | 38 | 41 | 53 | 69 | n90 | | 2700 MHz |
|----------|---|----|----|----|----|-----|--|----------|

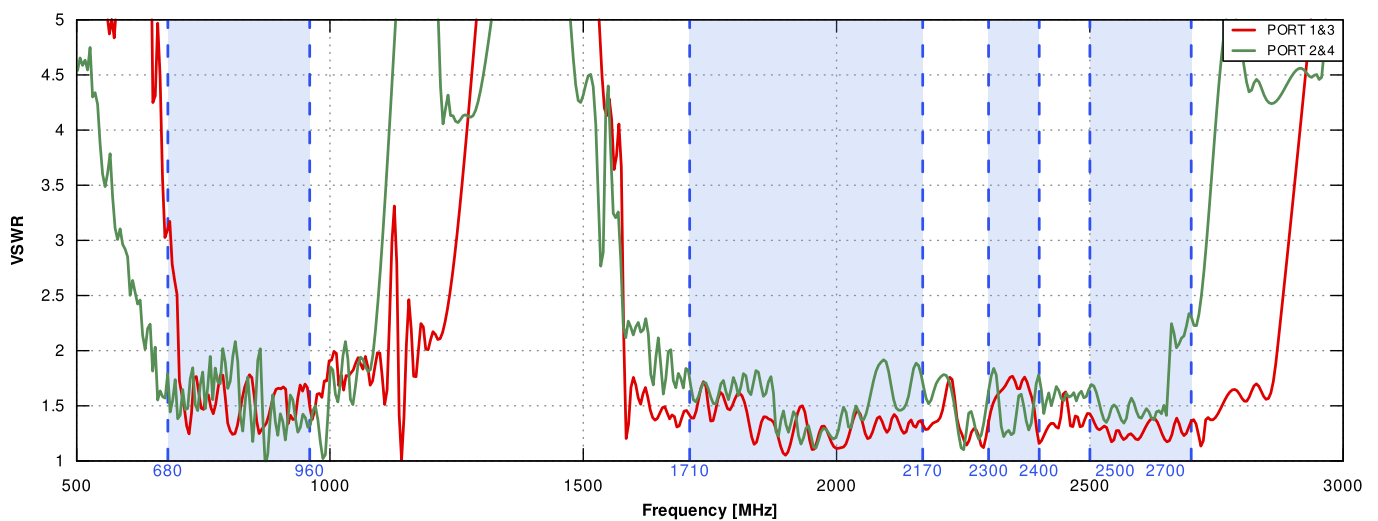
COMPATIBLE ROUTERS

VARIANTS: APLM4-H, APLM4-H1

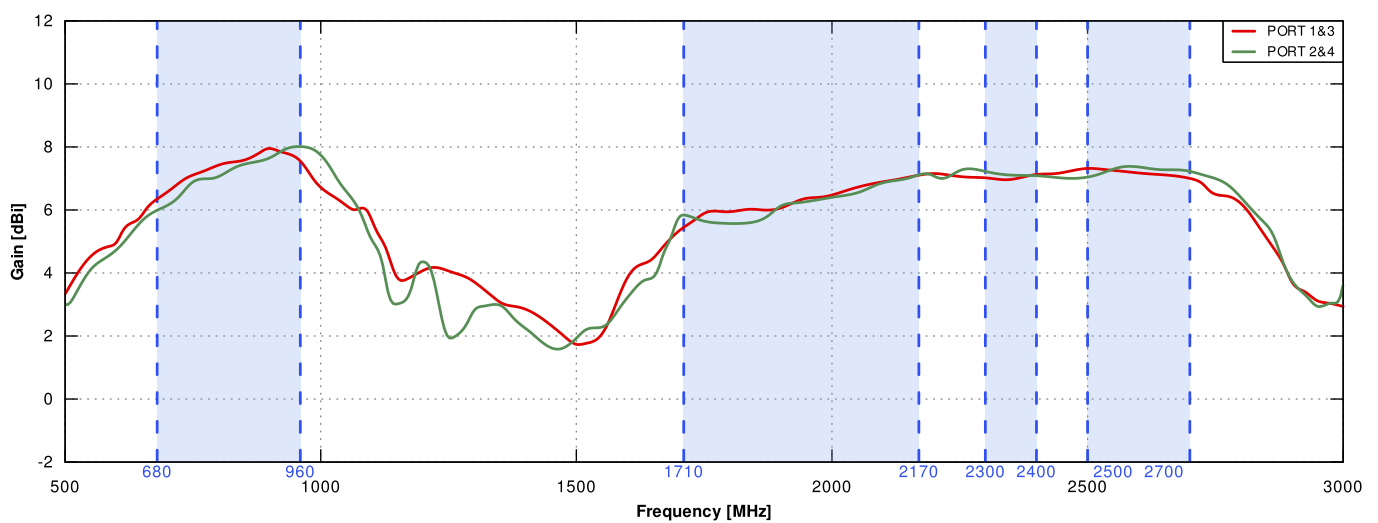
| | |
|------------------------|--|
| TELTONIKA | RUTX12, RUTX14 |
| ROBUSTEL | EG5200, R2000 |
| COMSET | CM770W-6 |
| DIGI | TX54 LTE-Advanced |
| ERICSSON (CRADLEPOINT) | IBR1700 |
| FORTINET | FEX-311F, FEX-311F |
| PEPLINK | BR1 Pro (CAT-20), BR1 Pro CAT-20, MAX HD2, MAX HD2 Mini, MAX Transit, UBR Plus |
| ROBUSTEL | EG5200, R2000 |
| TELTONIKA | RUTX12, RUTX14 |
| OTHER | 4 * SMA |

PLOTS

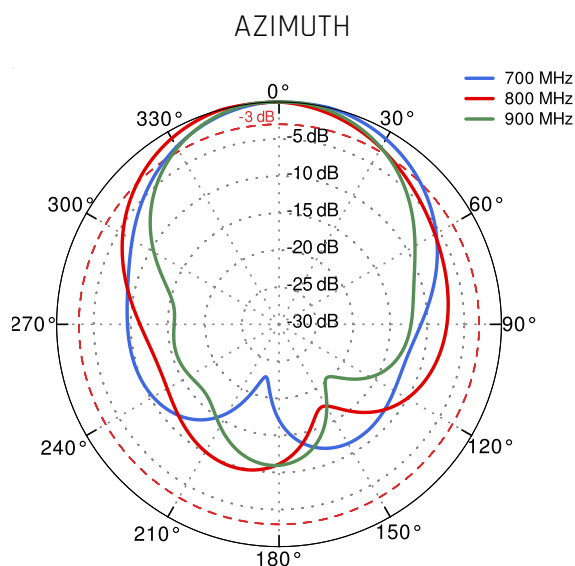
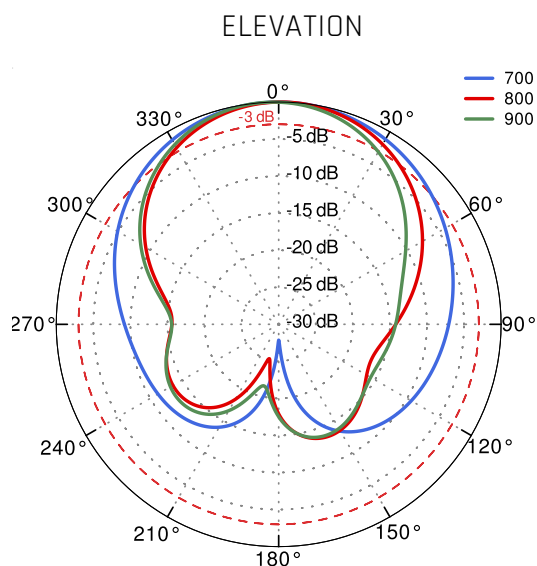
VSWR



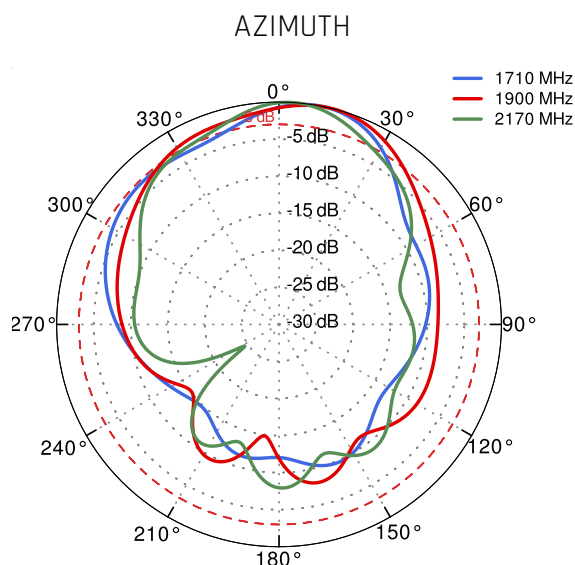
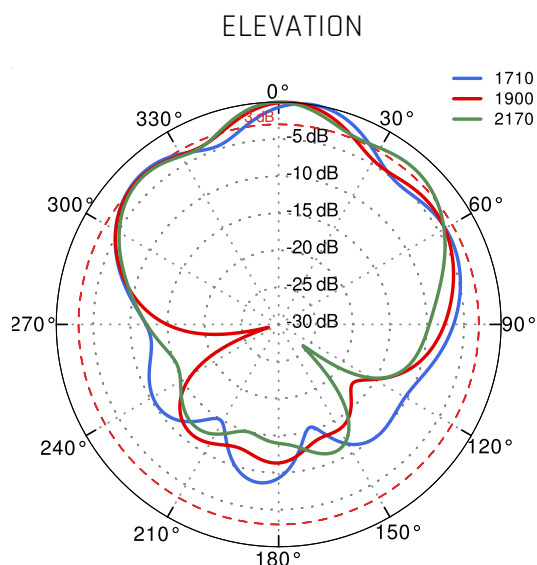
Gain



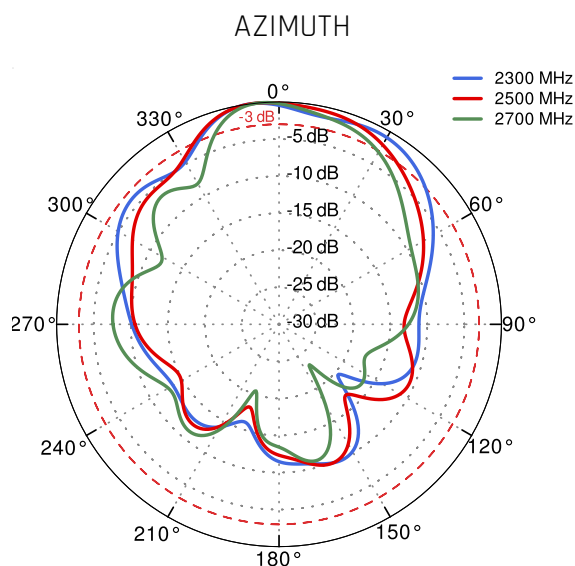
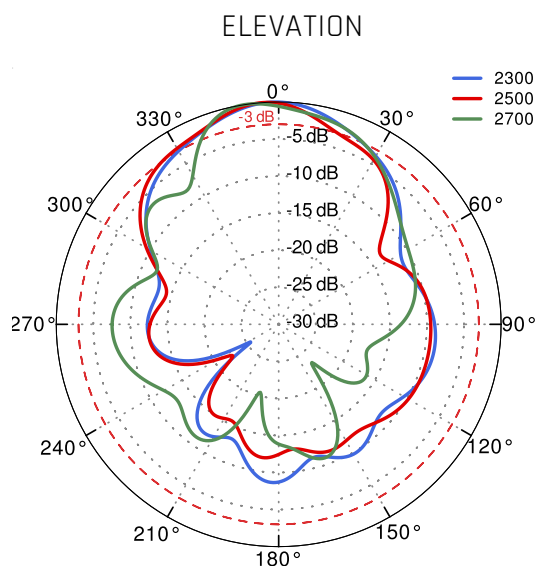
Port 1&3 700MHz to 900MHz



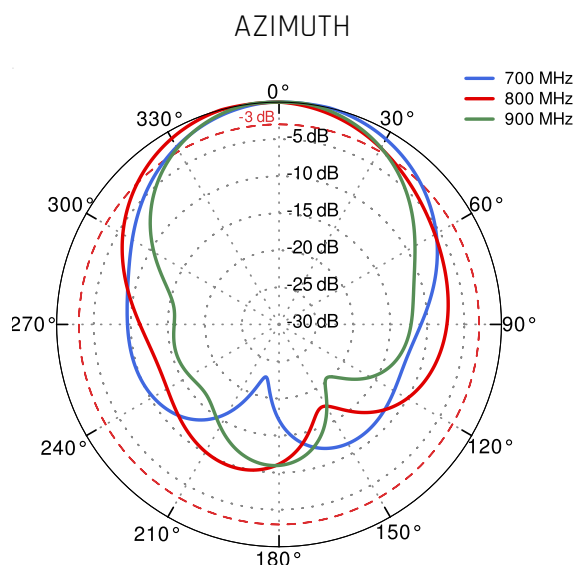
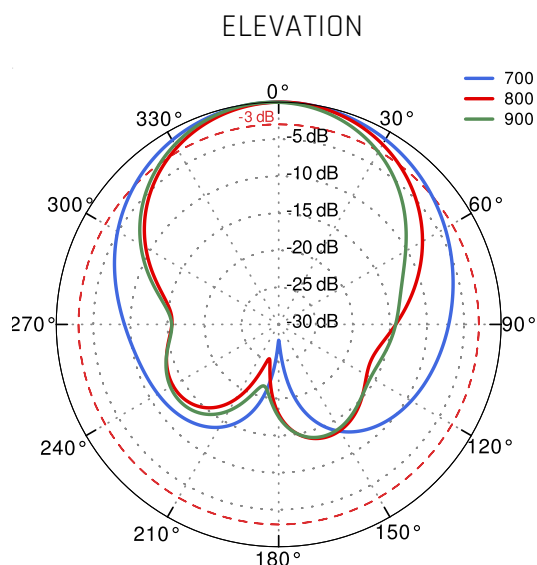
Port 1&3 1.71GHz to 2.17GHz



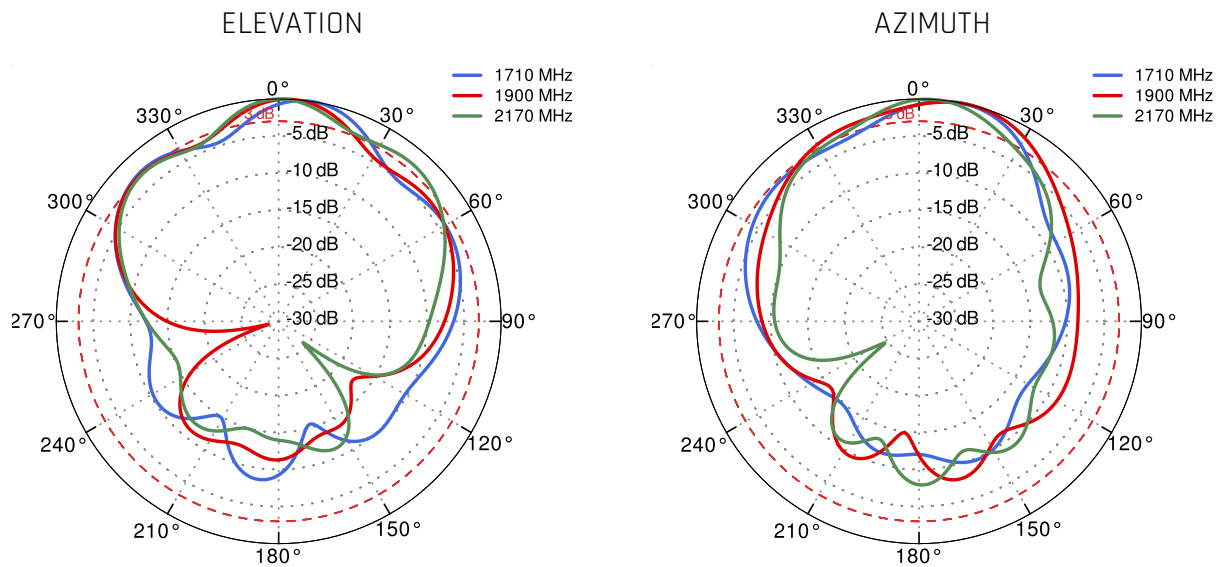
Port 1&3 2.3GHz to 2.7GHz



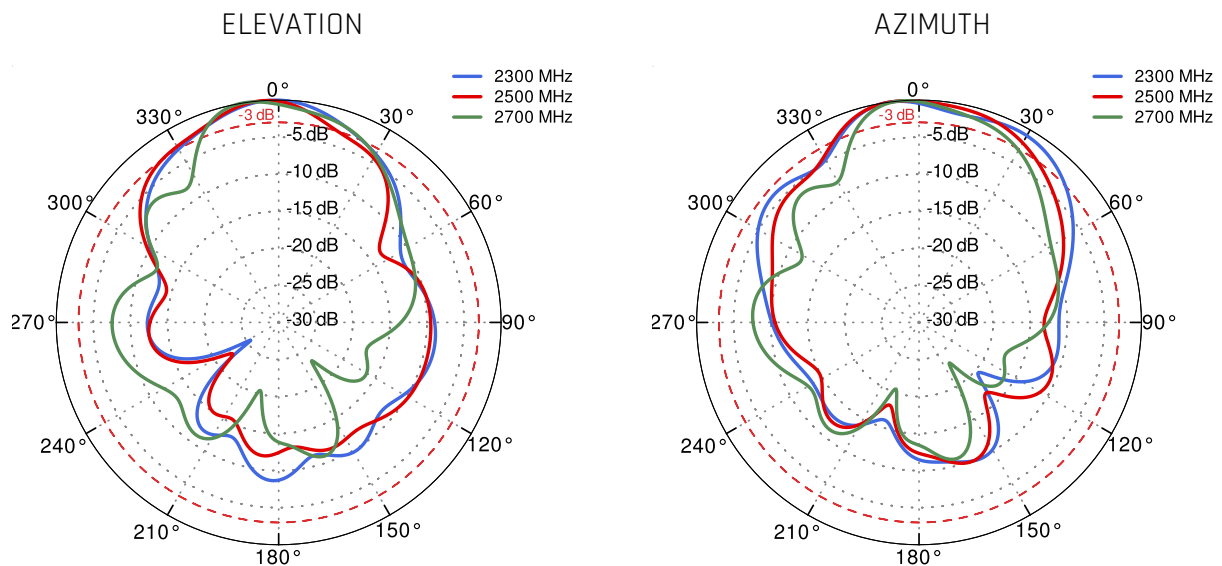
Port 2&4 700MHz to 900MHz



Port 2&4 1.71GHz to 2.17GHz



Port 2&4 2.3GHz to 2.7GHz



DIMENSIONS

