# QuPanel 5G/LTE Global MIMO 2x2 Nf

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

QuPanel **5G**/LTE Nf 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 MIMO2x2 5G modems and routers.
Integrated Nf connectors.

5G | BAND 71 | 2x2 MIMO | 617-6000MHz | 7 dBi | DIRECTIONAL | IP 67 | -40° TO +80°

# 5G AND LTE ANTENNA SPECIFICATION

| | |
|---|---|
| **FREQUENCY** | 617 - 960 MHz<br>1.7 - 2.7 GHz<br>3.3 - 4.6 GHz<br>4.7 - 6.0 GHz |
| **GAIN** | 617 - 960 MHz : 6 dBi<br>1.7 - 2.7 GHz : 7 dBi<br>3.3 - 4.6 GHz : 7 dBi<br>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, n86, 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 | Nf |
| INGRESS PROTECTION | IP67 |
| DIMENSIONS | 486.0 x 292.2 x 105.6 mm<br>19.13 x 11.50 x 4.16 inch |
| WEIGHT | 2.8 kg<br>6.17 lbs |
| OPERATING TEMPERATURE | From -40°C to 80°C<br>From -40°F to 176°F |

# FREQUENCY BANDS

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| LTE / 4G GSM | 617 MHz | 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 | 1710 MHz | 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 | 2300 MHz | 30 | 40 | | | | | | 2400 MHz |

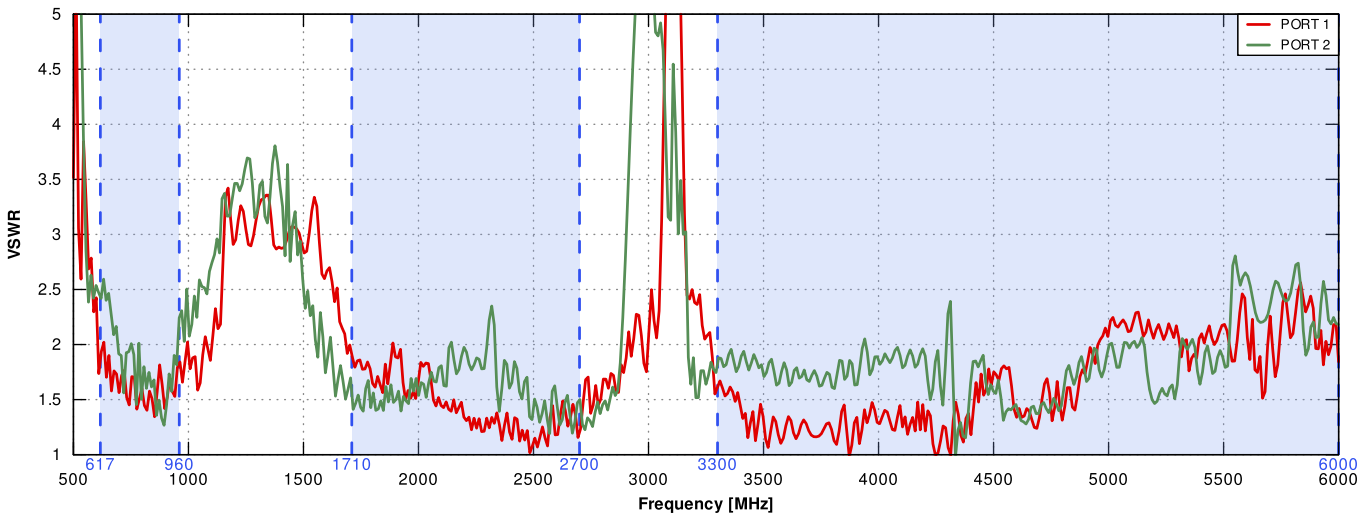
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE / 4G | 2400 MHz | 7 | 38 | 41 | 53 | 69 | n90 | 2700 MHz |
| LTE / 5G | 3300 MHz | 22 | 42 | 43 | 48 | 49 | 52 | n78 | 3800 MHz |

# COMPATIBLE ROUTERS

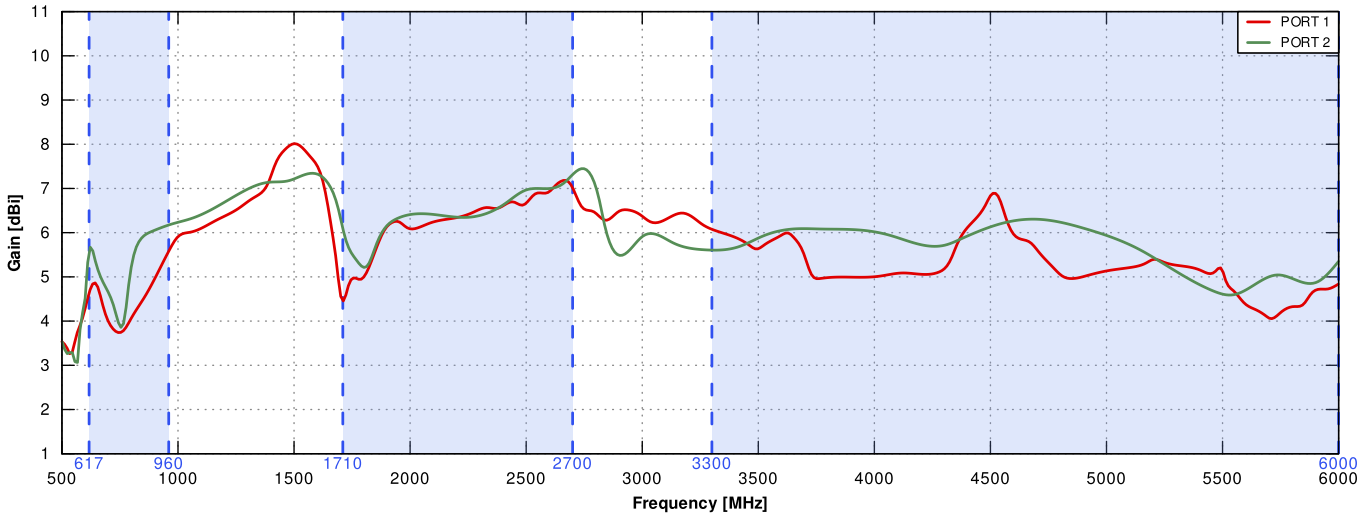
## VARIANT: AP5G2-GN

# PLOTS

## VSWR

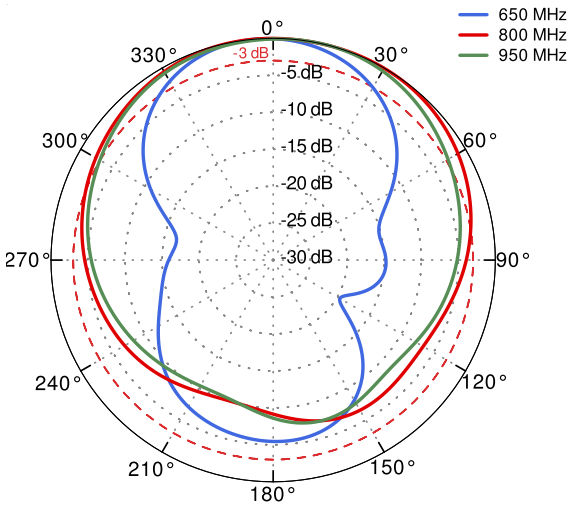


## Gain

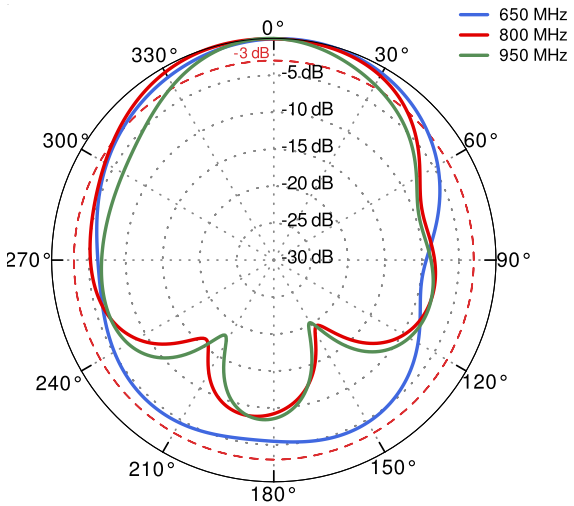



## PORT 1 - 5G/LTE from 650MHz to 950MHz

ELEVATION

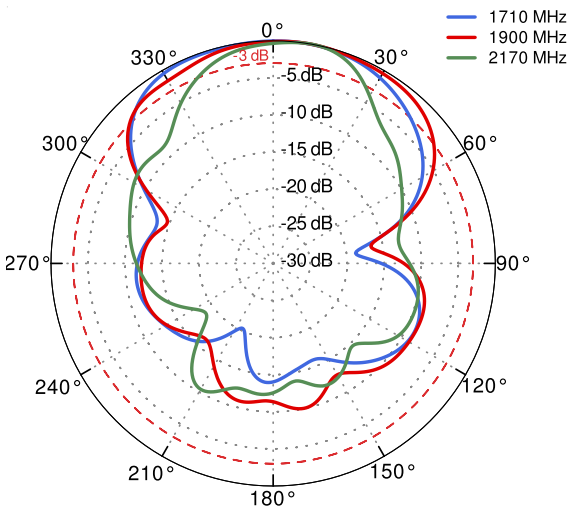



AZIMUTH

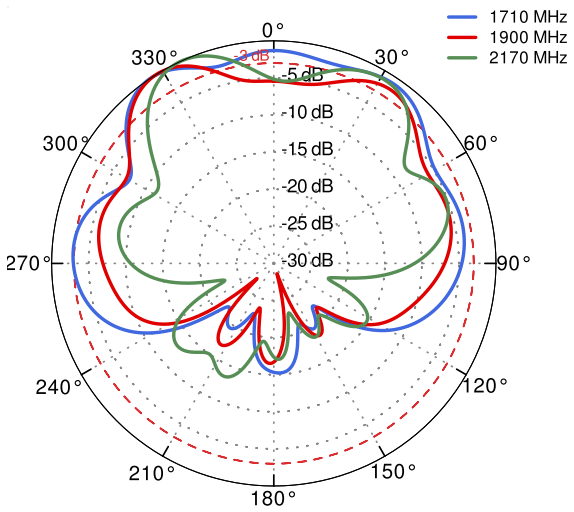


## PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz

ELEVATION

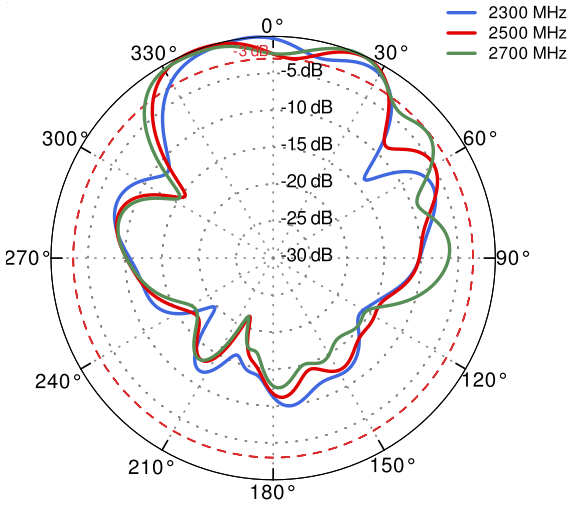



AZIMUTH

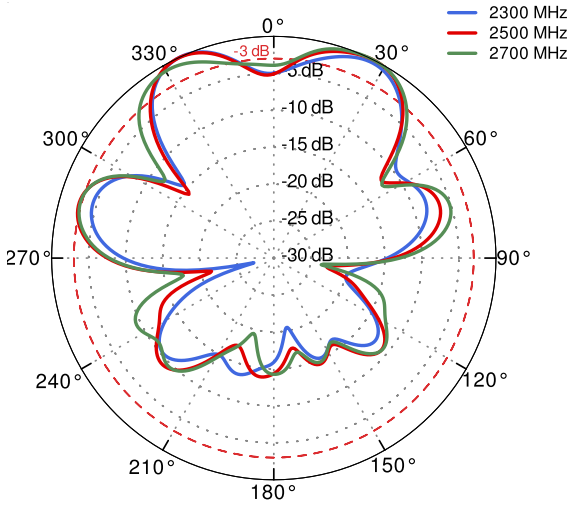



## PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz

ELEVATION

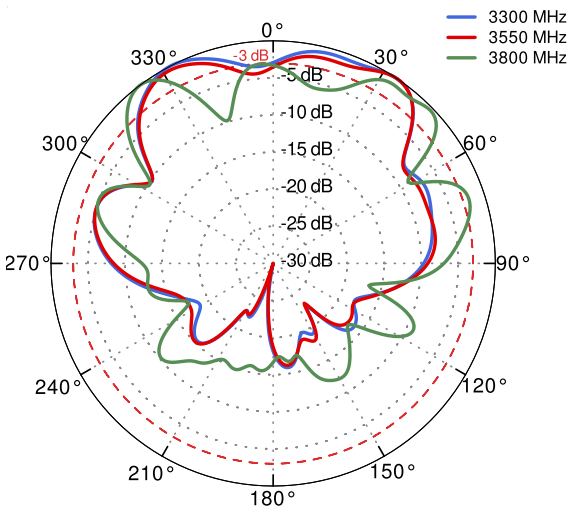



AZIMUTH

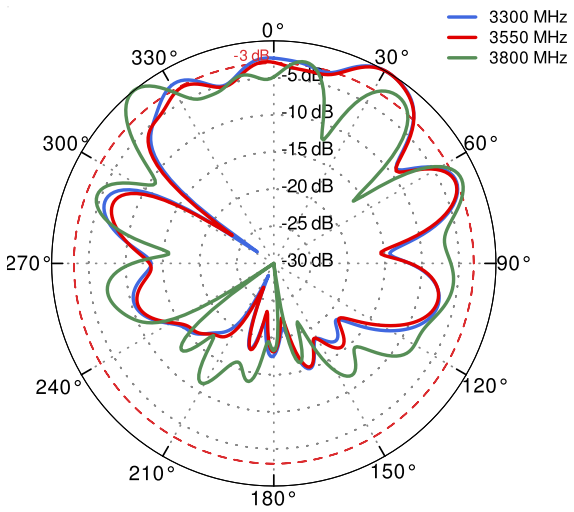


## PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz

ELEVATION

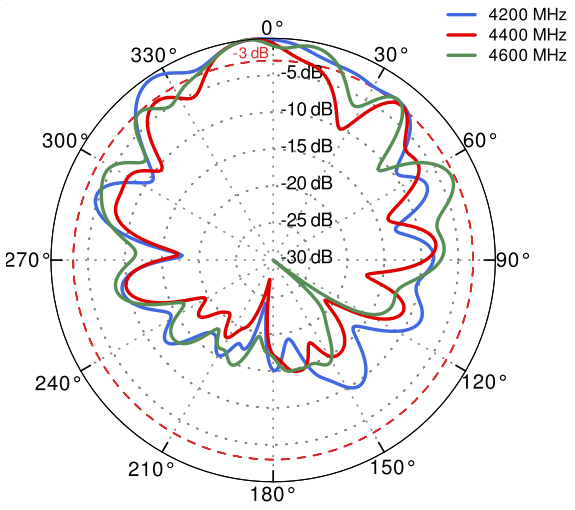



AZIMUTH

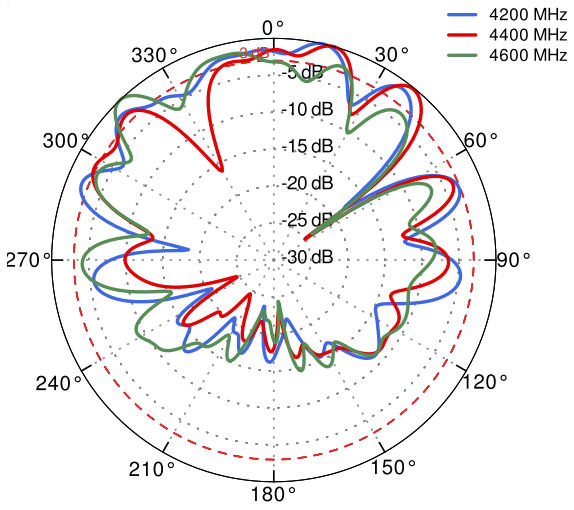



## PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz

ELEVATION

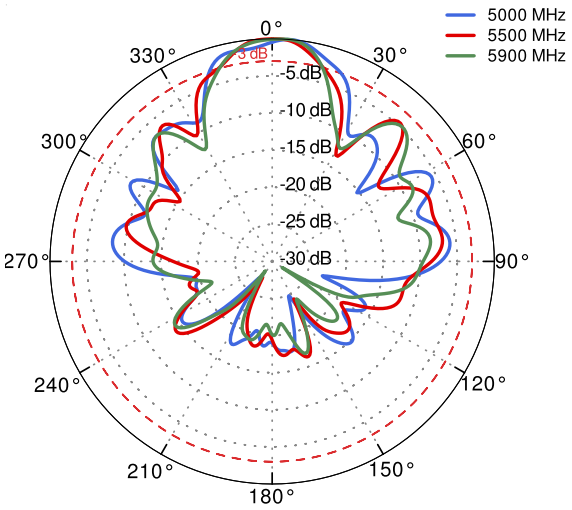



AZIMUTH

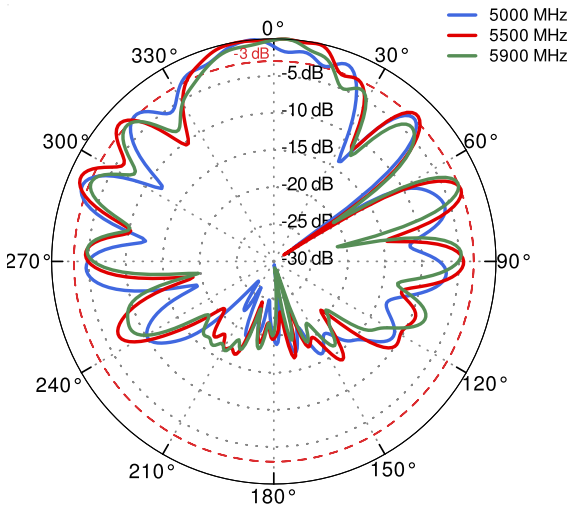


## PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz

ELEVATION

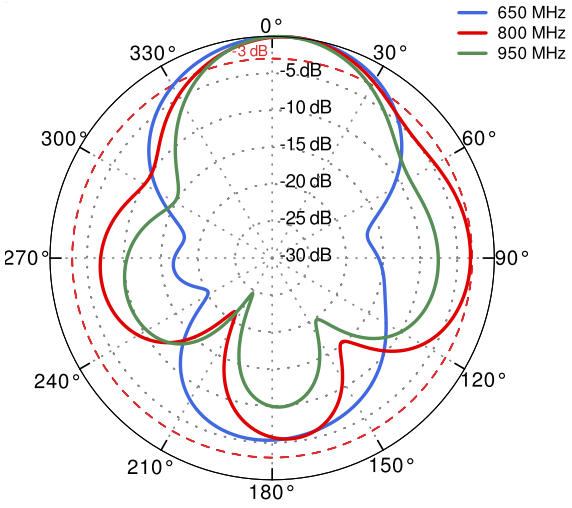



AZIMUTH

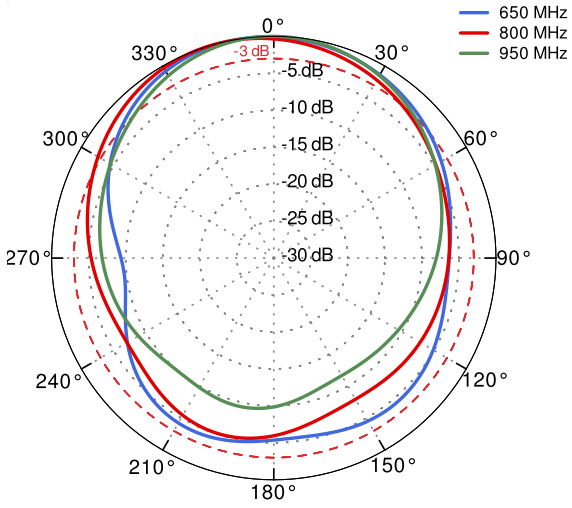



## PORT 2 - 5G/LTE from 650MHz to 950MHz

ELEVATION

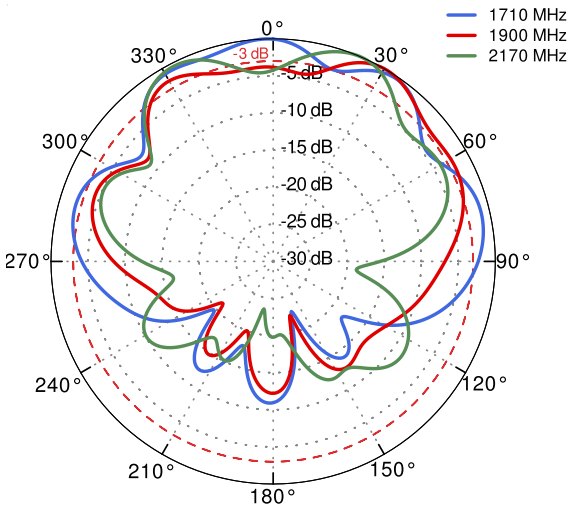



AZIMUTH

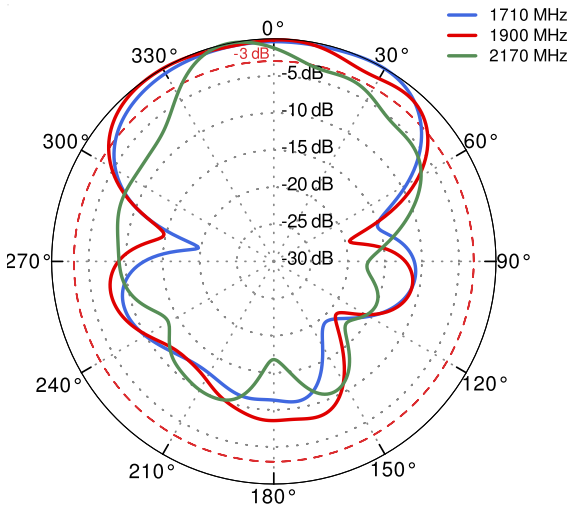


## PORT 2 - 5G/LTE from 1.71GHz to 2.17GHz

ELEVATION

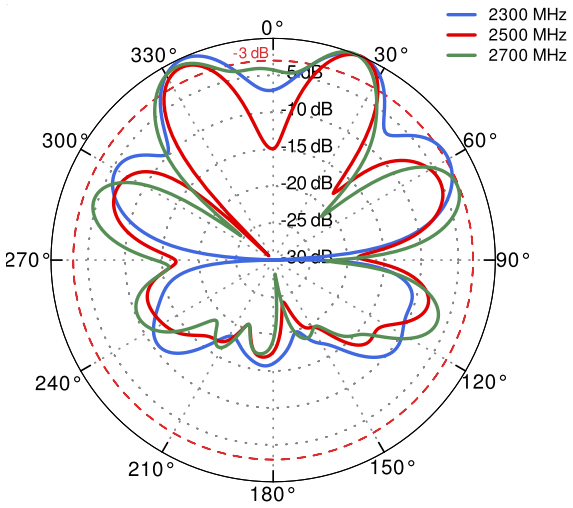



AZIMUTH

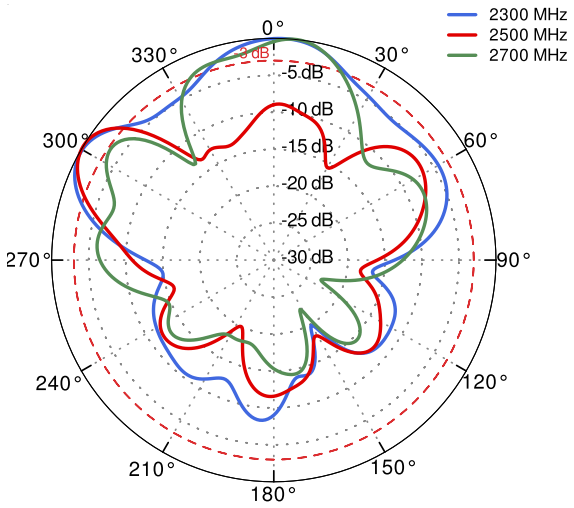



## PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz

ELEVATION

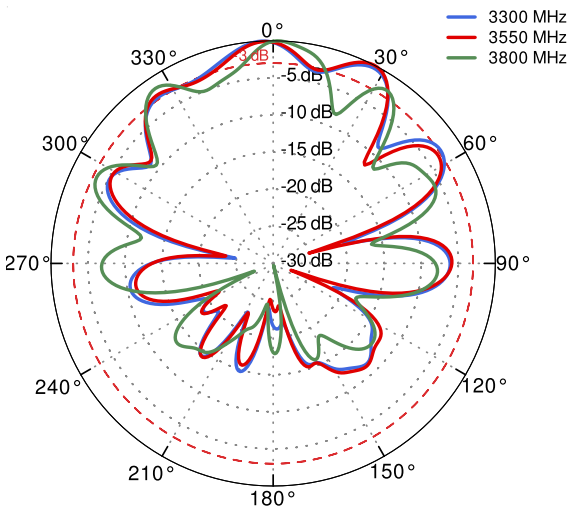



AZIMUTH

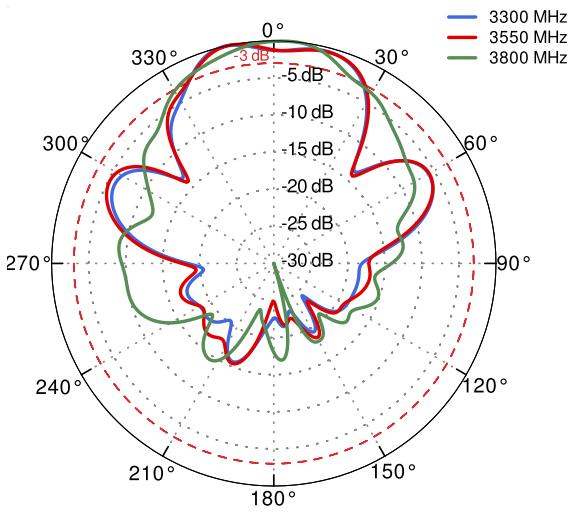


## PORT 2 - 5G/LTE from 3.3GHz to 3.8GHz

ELEVATION

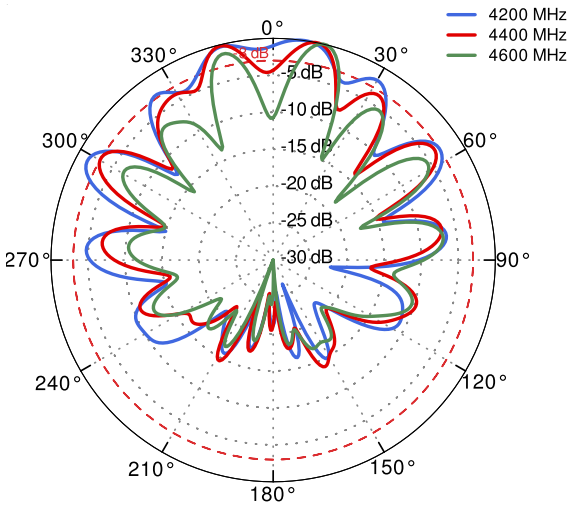



AZIMUTH

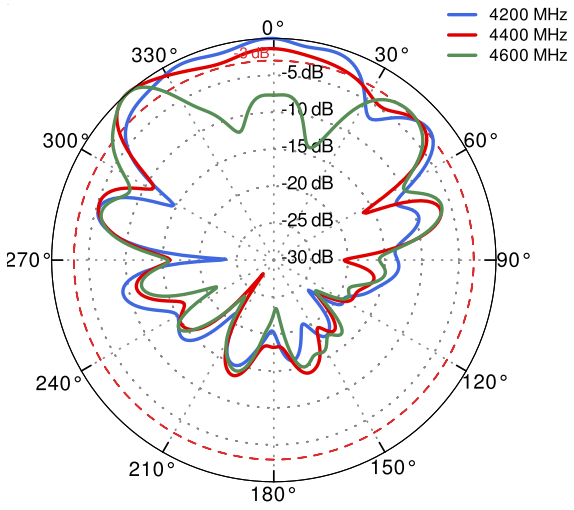



## PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz

ELEVATION

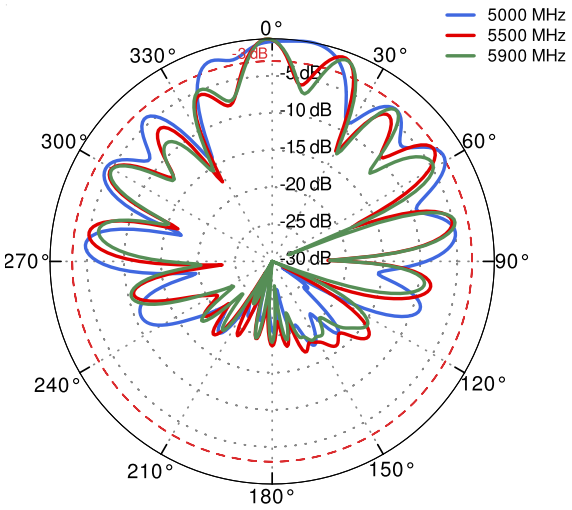



AZIMUTH

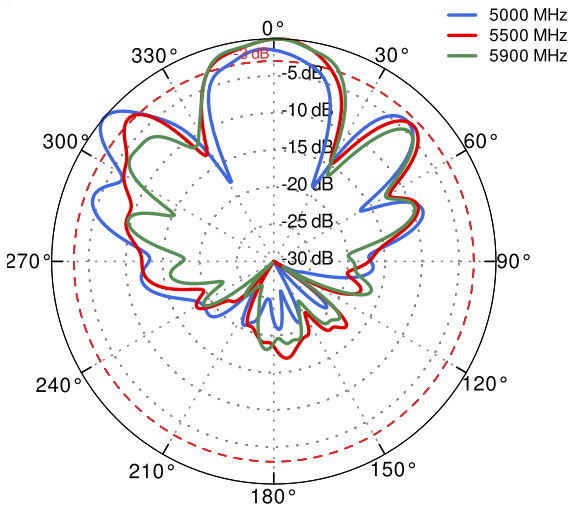


## PORT 2 - 5G/LTE from 5.0GHz to 5.9GHz

ELEVATION




AZIMUTH




QuWireless WWW.QUWIRELESS.COM

**Sales email:** sales@quwireless.com **Tel:** +48 513 900 416

**Support email:** support@quwireless.com **Website:** www.quwireless.com

**Address:** Wireless Instruments Sp. z o.o., ul. Kościuszki 27, 52-116 Iwiny, Poland