# QuSector 14HV-30-2 Wi-Fi 6e

**QuSector 14HV-30-2 Wi-Fi 6e offers a 30 degrees, 14dBi gain signal with two 2.4GHz+5-7.125GHz connectors. It is a perfect indoor and outdoor device for industrial installations.**

QuSector 14HV-30-2 is a dual band, concurrent, H&V polarity, MIMO 2x2 panel antenna. Two connectors operate at 2.4GHz+5-7.125GHz with 14dBi gain. Due to its medium gain, it can be used on short or medium distances, for example for hotspots in schools, stadiums, offices or public places. High quality injection moulded enclosure allows to implement it alongside with indoor and IP68 outdoor solutions. The antenna comes in the following configurations: with 2*70cm (28inch) cables terminated with Nm, RPSMA, RPTNC connectors. QuSector 14HV-30-2 was designed to be a perfect match for your access point.

Wi Fi 6E | 2x2 MIMO | 2.4GHz + 5GHz 6GHz + 7GHz | 14 dBi | DIRECTIONAL | IP 68 | -40° TO +80°

# WI-FI SPECIFICATION

| | |
|---|---|
| FREQUENCY | 2.4 - 2.5GHz<br>5.0 - 7.125GHz |
| GAIN | 14 dBi |
| VSWR | < 2.00 |
| BEAMWIDTH | 30°/30° |
| POLARIZATION | Horizontal<br>Vertical |
| IMPEDANCE | 50 Ω |
| SEPARATION BETWEEN CONNECTORS | >25dB |
| FRONT-TO-BACK | > 20 dB<br>> 25dB |
| MAX INPUT POWER | 50W |
| DC GROUND | Yes |

# MECHANICAL SPECIFICATION

| | |
|---|---|
| MATERIAL | ASA |
| CONNECTOR | 2xRPSMA/2xNM/2xRPTNC |
| OUTER DIMENSIONS | 272 x 276 x 96 mm<br>10.71 x 10.87 x 3.78 inch |
| WEIGHT | 1.8 kg |
| OPERATING TEMPERATURE | -40°C to +80°C<br>-40°F to 176°F |


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# MOUNTING KIT

| | |
|---|---|
| DIMENSIONS | 9.9 x 10.5 x 14.8 cm<br>3.9 x 4.13 x 5.83 inch |
| REGULATION RANGE | +/- 30° |
| MAST DIAMETER RANGE | 25 - 66mm<br>0.98-2.60 inch |
| MATERIAL | Polyamide with fiberglass + galvanized steel U-Bolts |
| MOUNTING PLACE | Wall or ceiling or mast |

# COMPATIBLE ROUTERS

## VARIANT: S14HV.30.2RS

| | |
|---|---|
| TELTONIKA | RUT900, RUT901, RUT950, RUT951, RUT951 PoE+, RUT955, RUT956, RUT976, RUT981, RUT986, RUTM10, RUTM11, RUTM16, RUTM30, RUTM31, RUTM51, RUTM52, RUTM54, RUTM55, RUTM56, RUTX10, RUTX11, RUTX12, RUTX50 |
| ROBUSTEL | EG5100, EG5120, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R201x, R2120, R2120 5G, R2120 5G RedCap, R5020, R5020 Lite, R5030 |
| ACKSYS | AirBox LTE, AirBox/10, AirLink, AirWan, AirXroad, AirXroad/4P |
| ADVANTECH | EKI-1361(-MB) EKI-1362, EKI-6233BN, EKI-6333AC-2GD |
| ANYBUS | Wireless Router WLAN |
| ARUBA | AP-204, AP-504, IAP-204, RAP-108 |
| D-LINK | DAP-1665, DAP-2020, DAP-2310, DAP-2360, DIS-2650AP, DWL-8720AP, N300 4G |


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| | |
|---|---|
| **DIGI** | IX25, TX54 LTE-Advanced |
| **ENGENIUS** | ENS500EXT |
| **ERICSSON (CRADLEPOINT)** | IBR600C, IBR900, R1900, R920, R980, S700 |
| **EXTREME NETWORKS** | AP 7522, AP 7522E, AP122X, AP305CX |
| **FORTINET** | FAP-233G, FAP-U432F |
| **HUAWEI** | AP4051DN, AP4130DN, AP4151DN |
| **INHAND** | IR315 |
| **MERU** | AP1010E |
| **MIKROTIK** | L009UiGS-2HaxD-IN, RB922 |
| **MOXA** | AWK-1131A Series, AWK-1137C Series, AWK-1151C Series, AWK-3131A Series, AWK-3252A Series |
| **PEPLINK** | AP One Rugged, B One, Balance 20X, BR1 Pro (CAT-20), BR1 Pro CAT-20, BR2 PRO, MAX BR1 Mini M2M, MAX BR1 MK2, MAX BR1 Pro, MAX BR1 Pro 5G, MAX Transit, MAX Transit Duo Pro, UBR Plus |
| **PERLE** | IOLAN SCG W Secure Console Server, IOLAN SCG WM Secure Console Server, IOLAN SDG W Serial Device Servers, IRG5520, IRG5521, IRG5541 |
| **ROBUSTEL** | EG5100, EG5120, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R201x, R2120, R2120 5G, R2120 5G RedCap, R5020, R5020 Lite, R5030 |
| **SEMTECH (SIERRA WIRELESS)** | AirLink RV55, AirLink RX55, AirLink XR60 |
| **TELTONIKA** | RUT900, RUT901, RUT950, RUT951, RUT951 PoE+, RUT955, RUT956, RUT976, RUT981, RUT986, RUTM10, RUTM11, RUTM16, RUTM30, RUTM31, RUTM51, RUTM52, RUTM54, RUTM55, RUTM56, RUTX10, RUTX11, RUTX12, RUTX50 |


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| | |
|---|---|
| WAVETEL | W240 4G/LTE, W2400 LTE , W3600 4G/LTE Dual WAN, WNR320 5G, WNR340 5G, WNR5601 5G |
| WLINK | ER120, G200, G230, G530, G530 |
| ZYXEL | NWA55AXE |
| OTHER | 2 * RPSMA |

## VARIANT: S14HV.30.2NM

| | |
|---|---|
| RAJANT | BreadCrumb ES1-2450IS, BreadCrumb ES1-2450CS, BreadCrumb LX5-2255A, BreadCrumb LX5-2255B, BreadCrumb LX5-2255C, BreadCrumb LX5-2295C, BreadCrumb LX5-2455D, BreadCrumb LX5-2955C, Hawk BreadCrumb FE1-2450 / FE1-2450A, Peregrine LTE BreadCrumb FE1-2455LS, Peregrine LTE BreadCrumb FE1-2455LW, Sparrow BreadCrumb ME5-2450CS |
| ACKSYS | RuggedAir100 |
| ANYBUS | WLAN Access Point IP67 |
| CISCO | Catalyst IW9165D |
| D-LINK | DBA-3621P |
| EXTREME NETWORKS | AP 3917 |
| MIKROTIK | L11UG-5HaxD |
| RAJANT | BreadCrumb ES1-2450IS, BreadCrumb ES1-2450CS, BreadCrumb LX5-2255A, BreadCrumb LX5-2255B, BreadCrumb LX5-2255C, BreadCrumb LX5-2295C, BreadCrumb LX5-2455D, BreadCrumb LX5-2955C, Hawk BreadCrumb FE1-2450 / FE1-2450A, Peregrine LTE BreadCrumb FE1-2455LS, Peregrine LTE BreadCrumb FE1-2455LW, Sparrow BreadCrumb ME5-2450CS |
| RUCKUS | T350SE |


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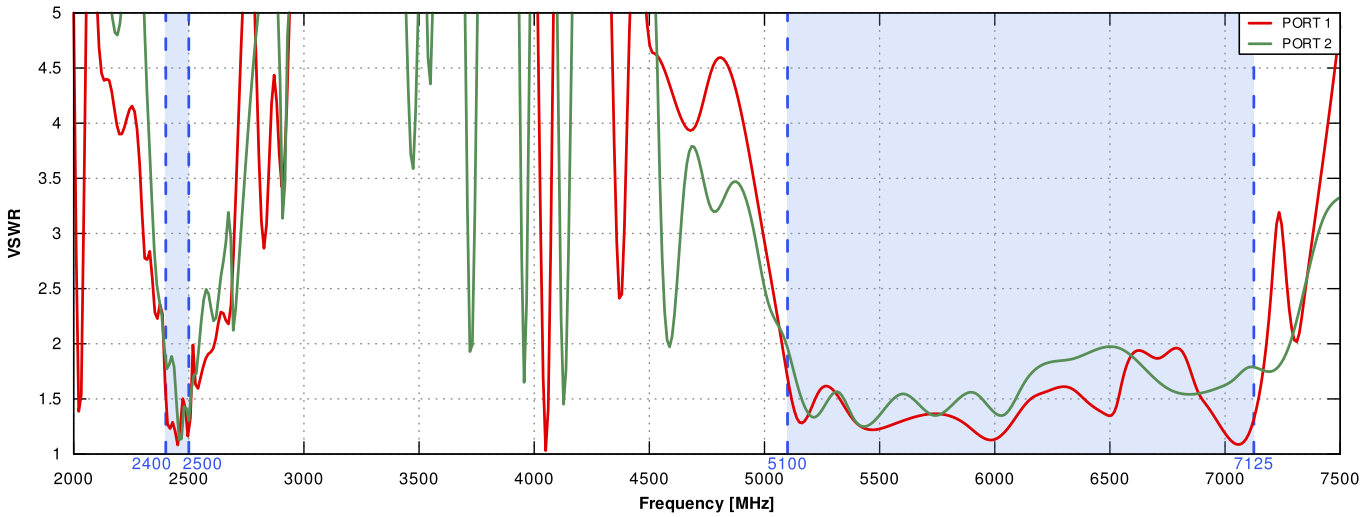
| | |
|---|---|
| SIEMENS | 6GK5766-1GE00-7DB0, 6GK5766-1GE00-3DA0, 6GK5766-1GE00-3DB0, 6GK5766-1GE00-7DA0, 6GK5766-1GE00-7TA0, 6GK5766-1GE00-7TB0, Scalance W738 M12, Scalance W778-1 M12, Scalance W778-1 M12 EEC |
| OTHER | 2 * N-male |

## VARIANT: S14HV.30.2RT

| | |
|---|---|
| DIGI | WR44 RR |
| XIRRUS | XR-520H |
| OTHER | 2 * RPTNC |

# PLOTS

## VSWR





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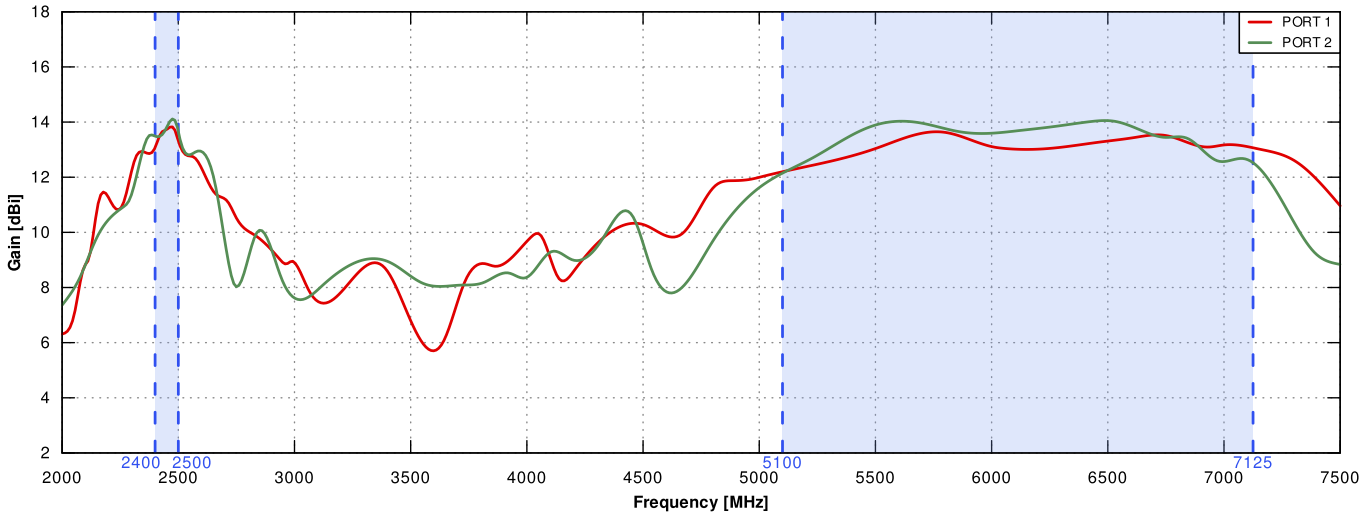
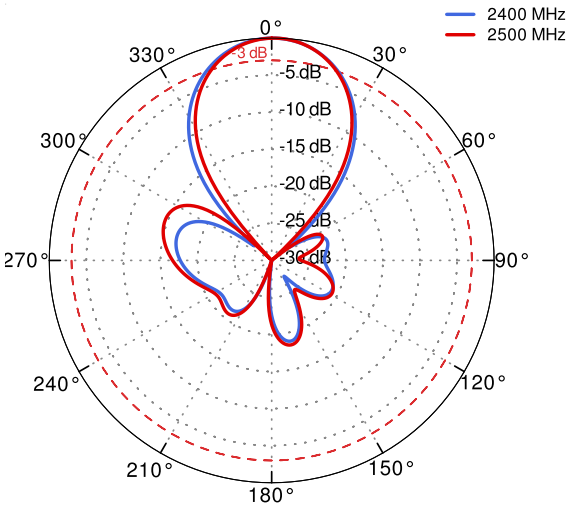
## Gain




## PORT 1 - from 2.4GHz to 2.5GHz

ELEVATION

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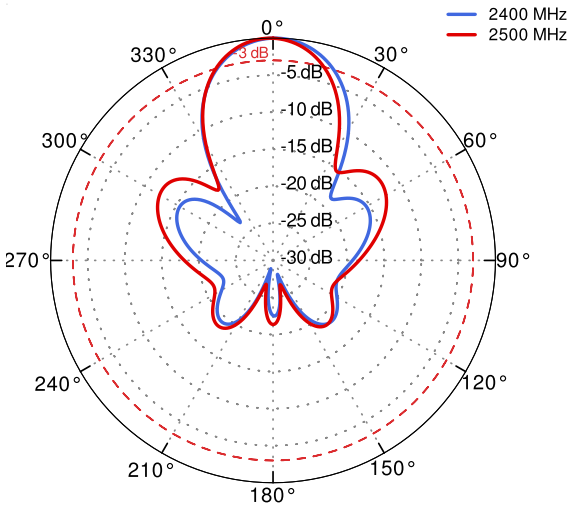




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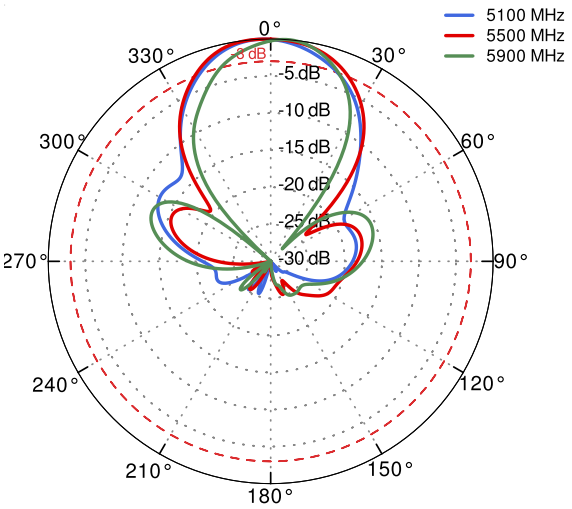
## PORT 1 - from 5.1GHz to 6.9GHz

ELEVATION

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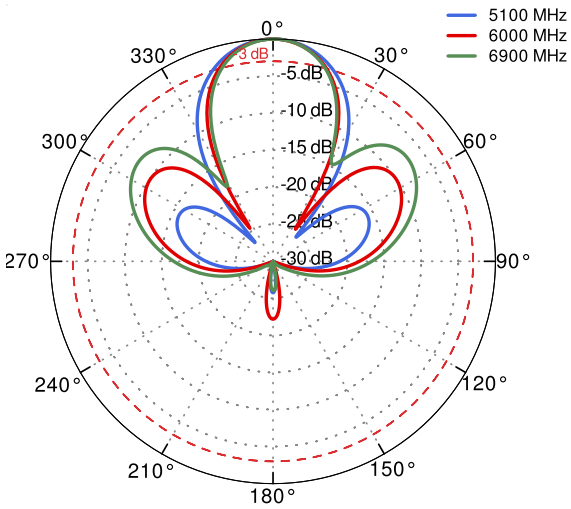
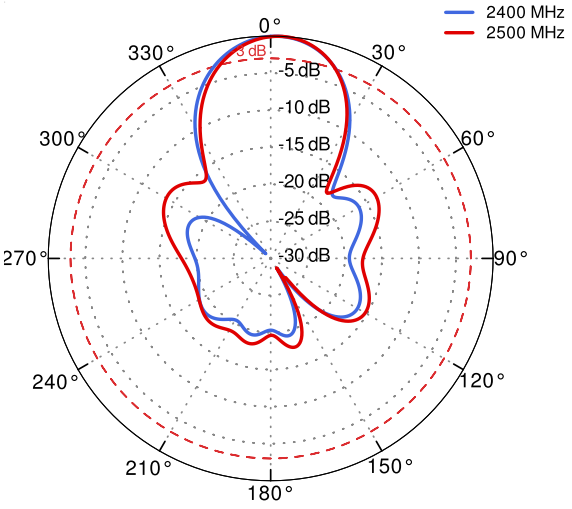



## PORT 2 - from 2.4GHz to 2.5GHz

ELEVATION

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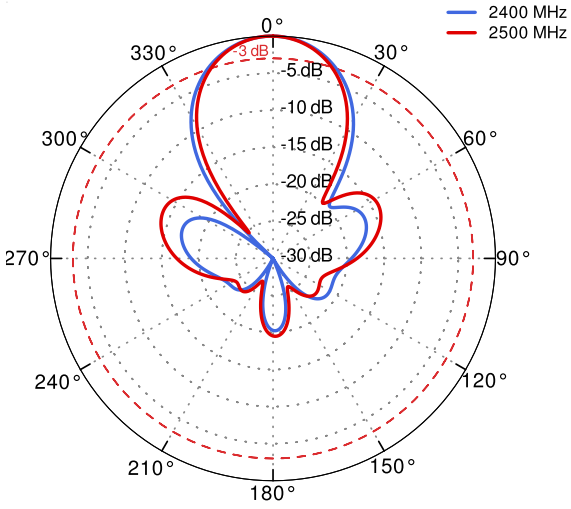



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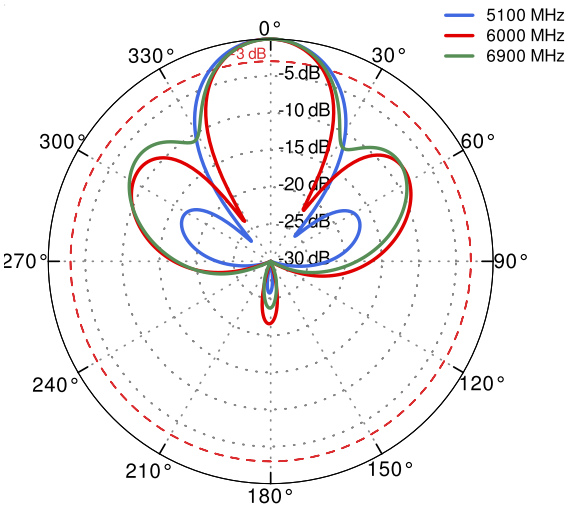
## PORT 2 - from 5.1GHz to 6.9GHz

ELEVATION

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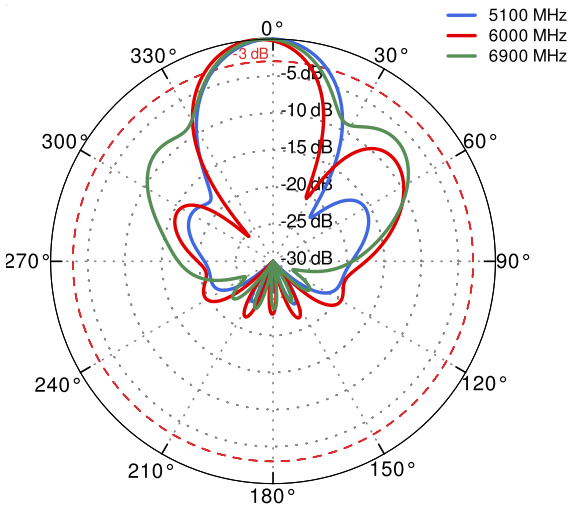


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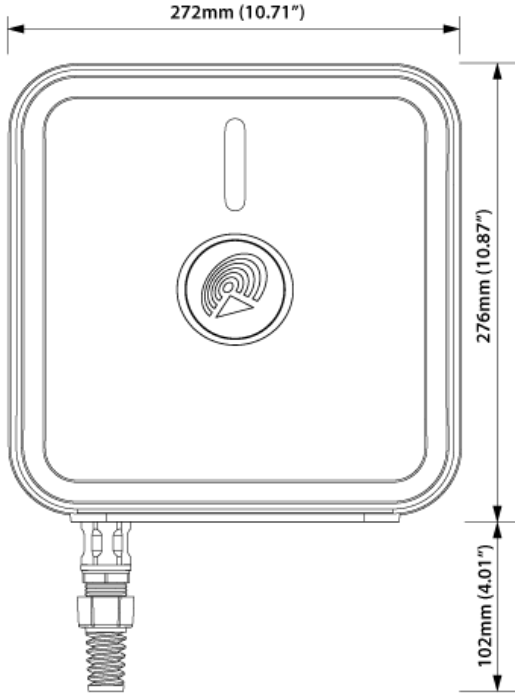


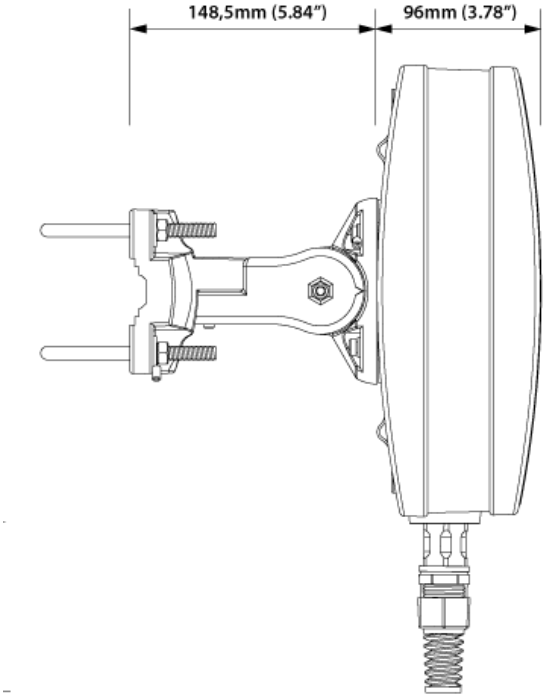


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