# QuSector 14HV-90-4 Wi-Fi 6E

**QuSector 14HV-90-4 offers a 90 degrees, 14dBi gain signal with two RP-SMA 2.4GHz and 5GHz+7GHz connectors. It is a perfect indoor and outdoor device for industrial installations.**

QuSector 14HV-90-4 is a concurrent, dual-band, H&V polarity, MIMO 4x4 panel antenna. It simultaneously operates at 2.4GHz with 12dBi gain and **5GHz + 7GHz** with 14dBi gain. It is a futureproof solution with **Wi-Fi 6E** and **Wi-Fi 7** support. 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 three configurations: with 4*70cm (28inch) cables terminated with Nm, RPSMA or RPTNC connectors. QuSector 14HV-90-4 was designed to be a perfect match for your access point.

# WI-FI SPECIFICATION

| | |
|---|---|
| FREQUENCY | 2.4 - 2.5 GHz<br>5.0 - 7.125 GHz |
| GAIN | 12 dBi<br>14 dBi |
| VSWR | < 2.00 |
| BEAMWIDTH | 90°/30°<br>90°/16° |
| POLARIZATION | Horizontal<br>Vertical |
| IMPEDANCE | 50 Ω |
| SEPARATION BETWEEN CONNECTORS | >30 dB |
| FRONT-TO-BACK | > 20dB<br>>25dB |
| MAX INPUT POWER | 50W |
| DC GROUND | Yes |


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# MECHANICAL SPECIFICATION

| | |
|---|---|
| MATERIAL | ASA |
| CONNECTOR | 4xRPSMA/4xNM/4xRPTNC |
| 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 |

# 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 |


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# COMPATIBLE ROUTERS

## VARIANT: S14HV.90.4RS

| | |
|---|---|
| ADTRAN | Bluesocket 1925 |
| ADVANTECH | EKI-6333AC-2G, EKI-6333AC-4GP, EKI-6333AC-M12 |
| ALCATEL-LUCENT | Stellar AP1222, Stellar AP1322 |
| ARUBA | AP-314, AP-324, AP-334, AP-344, AP-514, AP-534, AP-634, AP-734, AP-764, IAP-314, IAP-324, IAP-334 |
| CISCO | Catalyst IW9165E |
| COMSET | CM770W-6 |
| D-LINK | DWL-6600AP, DWL-6610APE, DWL-8600AP |
| ENGENIUS | EAP1300EXT, ECW160, ECW260, ENS620EXT, ESW850 |
| ERICSSON (CRADLEPOINT) | R2400 |
| EXTREME NETWORKS | AP 305Cx, AP 8533, AP3000X, AP310e |
| FORTINET | AP1020E, AP822E, FAP-223C, FAP-223E, FAP-224D, FAP-433F, FAP-433G, FAP-C225C, FAP-U223EV, FAP-U432F |
| HUAWEI | AP6150DN |
| JUNIPER NETWORKS | AP41E |
| MIKROTIK | L23UGSR-5HaxD2HaxD, RB912 |
| MIST | AP32E, AP41E, AP43E, AP61E |
| PEPLINK | Balance 310 fiber 5G, MAX HD2, MAX HD4 |
| WAVETEL | W3604 Multi-WAN, W3608 Multi-WAN |


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| | |
|---|---|
| WLINK | G930 |
| OTHER | 4 * RPSMA |

## VARIANT: S14HV.90.4NM

| | |
|---|---|
| RAJANT | BreadCrumb ES1–5050CS, BreadCrumb LX5-2255A, BreadCrumb LX5-2255B, BreadCrumb LX5-2455D, Hawk BreadCrumb FE1-4950, Hawk BreadCrumb® FE1-5050 / FE1-5050A, Peregrine BreadCrumb® FE1–2255B, Peregrine LTE BreadCrumb FE1-2455LS, Peregrine LTE BreadCrumb FE1-2455LW, Sparrow BreadCrumb ME5-5050CS |
| AEROHIVE NETWORKS | AP1130 |
| ARISTA | O-105E |
| ARUBA | AP-674 |
| CISCO | AIR-CAP1532E, AIR-CAP1562E, AIR-CAP1572EAC, AIR-CAP1572EC, Catalyst 9163E, Catalyst IW6300, IW3702-2E, IW3702-4E, MR74, MR76, MR84, MR86 |
| D-LINK | DWL-8710AP |
| EXTREME NETWORKS | AP 360E, AP 3965E |
| FORTINET | FAP-222C |
| HUAWEI | AP6510DN-AGN, AP6610DN-AGN, AP6760R-51E, AP8150DN |
| PEPLINK | AP Pro AX |
| RAJANT | BreadCrumb ES1–5050CS, BreadCrumb LX5-2255A, BreadCrumb LX5-2255B, BreadCrumb LX5-2455D, Hawk BreadCrumb FE1-4950, Hawk BreadCrumb® FE1-5050 / FE1-5050A, Peregrine BreadCrumb® FE1–2255B, Peregrine LTE BreadCrumb FE1-2455LS, Peregrine LTE BreadCrumb FE1-2455LW, Sparrow BreadCrumb ME5-5050CS |
| RUCKUS | T750SE |


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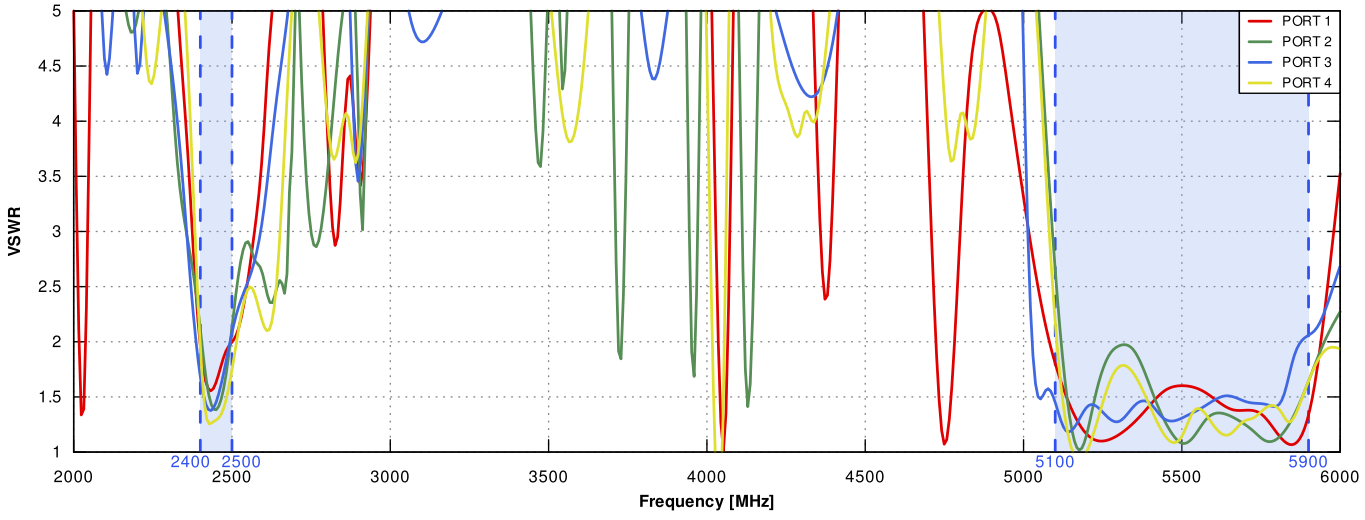
| | |
|---|---|
| SIEMENS | 6GK5788-1GY01-0AA0, 6GK5748-1GY01-0AA0 |
| XIRRUS | XH2-120 |
| OTHER | 4 * N-male |

## VARIANT: S14HV.90.4RT

| | |
|---|---|
| CISCO | AIR-CAP1852E, AIR-CAP2602E, AIR-CAP2702E, AIR-CAP2802E, AIR-CAP3602E, AIR-CAP3702E, AIR-CAP3702P, AIR-CAP3802E, AIR-CAP3802I, AIR-CAP3802P, Catalyst 9115AXE, Catalyst 9120AXE, Catalyst 9120AXP, MR42E, MR46E, MR53E |
| OTHER | 4 * RPTNC |

# PLOTS

## Gain





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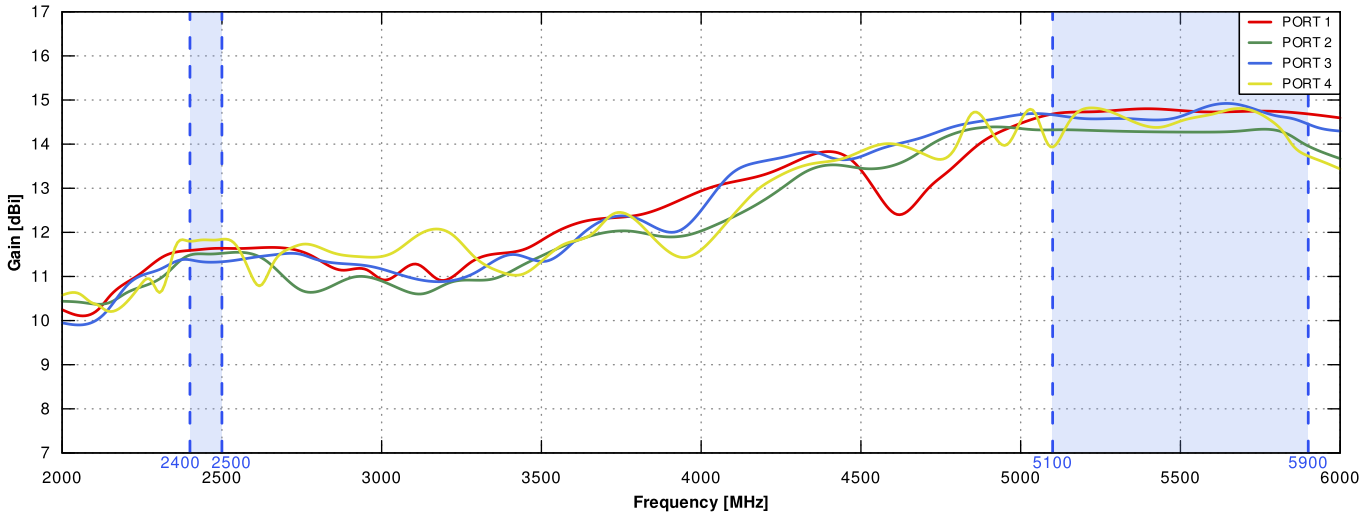
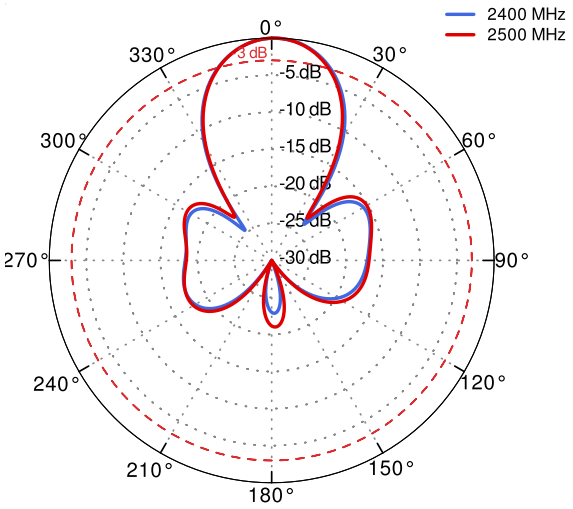
## VSWR




## PORT 1&3 From 2.4GHz to 2.5GHz

ELEVATION

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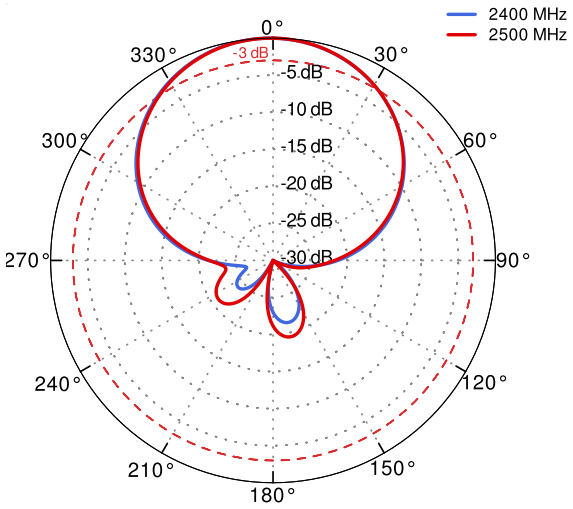




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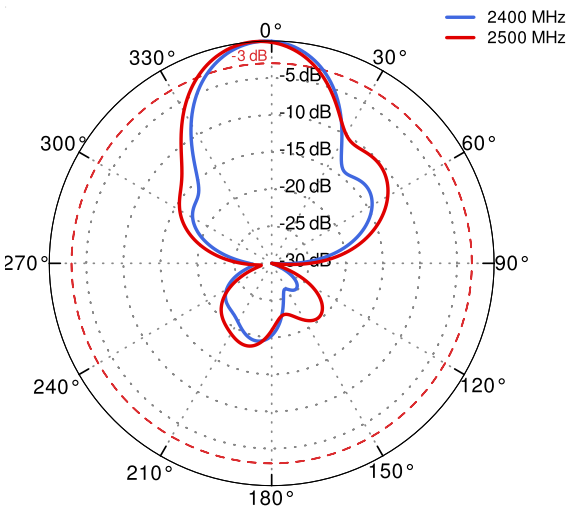
## PORT 2&4 From 2.4GHz to 2.5GHz

ELEVATION

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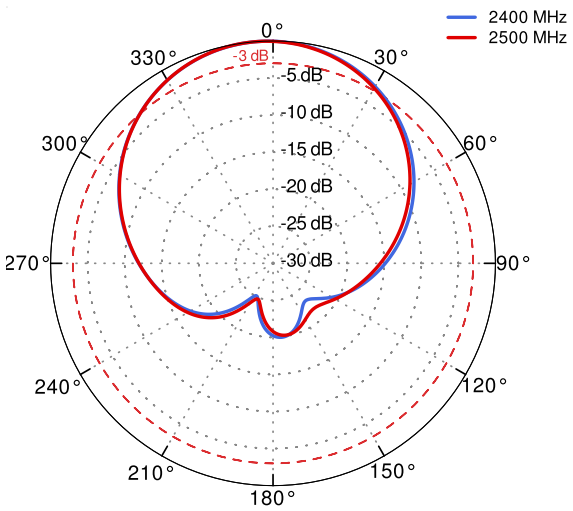


## PORT 1&3 From 5.1GHz to 5.9GHZ

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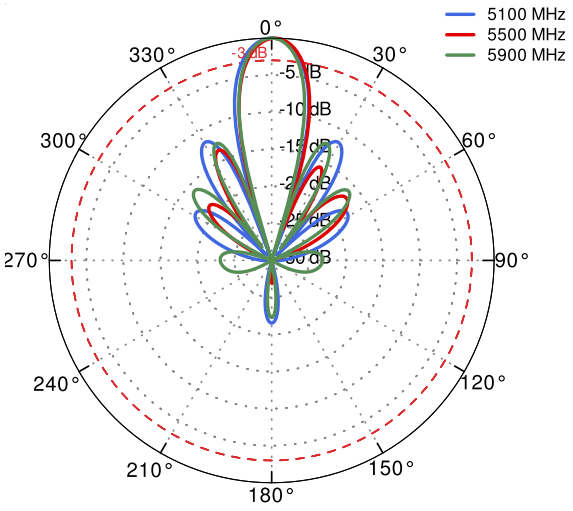


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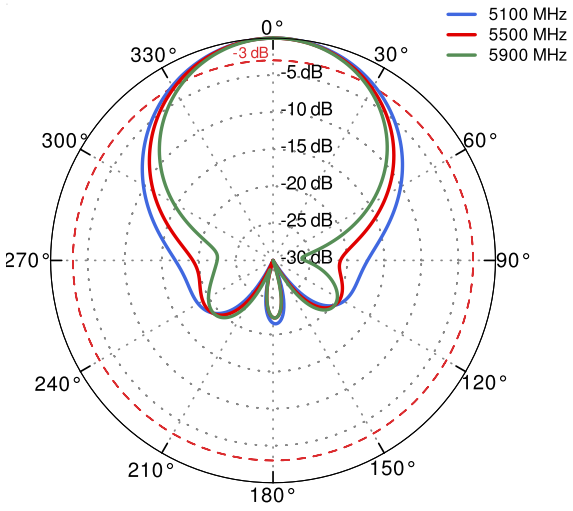




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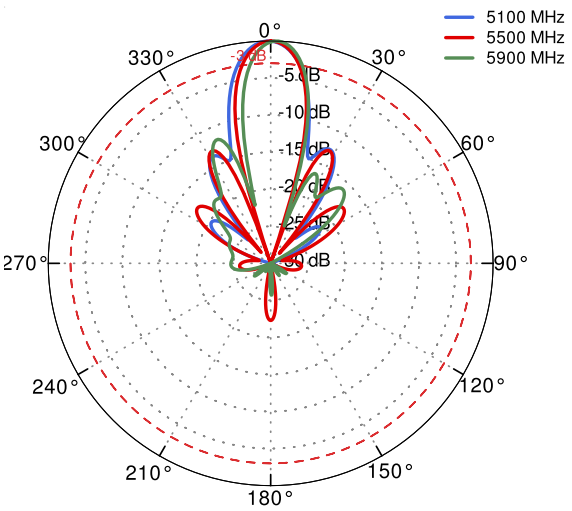
## PORT 2&4 From 5.1GHz to 5.9GHZ

ELEVATION

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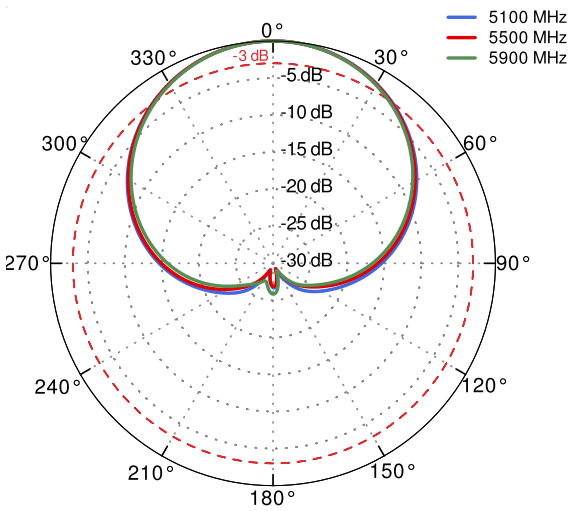


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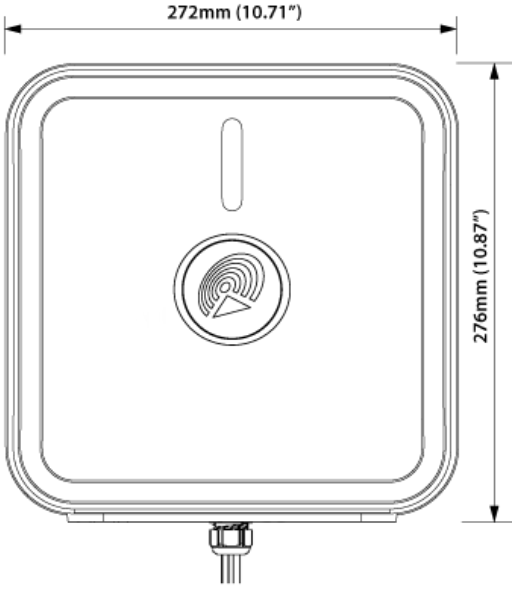


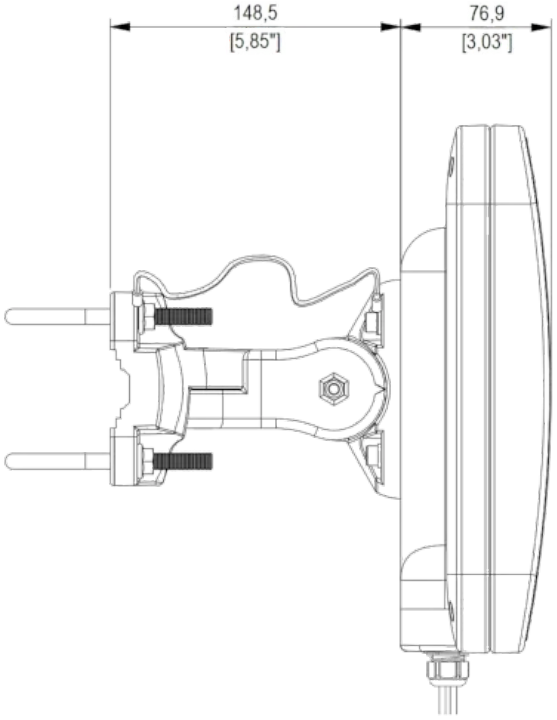


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