

# QuSector 9HV-65-4 Wi-Fi 6E

QuSector 9HV-65-4 Wi-Fi 6E offers a 65 degrees, 8dBi (2.4GHz) & 9dBi (5GHz-7GHz) gain signal. It is a perfect indoor and outdoor device for industrial installations.

QuSector 9HV-65-4 is a concurrent dual band, H&V polarity, MIMO 4x4 panel antenna. It simultaneously operates at **2.4GHz** with 8dBi gain and at **5GHz-7GHz** with 9dBi 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. It is a futureproof solution with **Wi-Fi 6E** and **Wi-Fi 7** support. High quality injection moulded enclosure allows to implement it alongside with indoor and IP67 outdoor solutions. Wide frequency range (2.4-2.5GHz & 5-7.125GHz) helps to find suitable frequency for the most effective operation. It is designed to be applied mainly to special access points working in the systems where two bands (frequencies) are diplexed for one antenna connector. The antenna comes in three configurations: with 4\*70cm (28inch) cables terminated with Nm, RPSMA, RPTNC.

Part Number: RPTNC - S9HV.65.4RT; RPSMA - S9HV.65.4RS; Nm - S9HV.65.4NM;

**Wi Fi 6E****4x4 MIMO****2.4GHz + 5GHz  
6GHz + 7GHz****9 dBi****DIRECTIONAL****IP 67****-40° TO +80°**

OUTDOOR ANTENNA WORKS IN **ANY**  
**WEATHER CONDITIONS**, IP67



ANTENNA **PERFECTLY MATCHED** WITH  
THE ACCESS POINT



**ADJUSTABLE**, POLE MOUNTING  
SYSTEM



MADE IN **EUROPE**



## WI-FI SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5 - 7.125 GHz
GAIN	2.4 - 2.5 GHz: 8 dBi 5 - 7.125 GHz: 9 dBi
VSWR	< 1.80
BEAMWIDTH	2.4 - 2.5 GHz - 65°/65° 5 - 7.125 GHz - 60°/60°
POLARIZATION	Horizontal Vertical
IMPEDANCE	50 $\Omega$
SEPARATION BETWEEN CONNECTORS	2.4 - 2.5 GHz: > 33dB
FRONT-TO-BACK	2.4 - 2.5 GHz: 20dB 4.9 - 6 GHz: 25dB
MAX INPUT POWER	50W
DC GROUND	Yes

## MECHANICAL SPECIFICATION

MATERIAL	ABS
CONNECTOR	4xRPSMA/4xNM/4xRPTNC
OUTER DIMENSIONS	16.5 x 16.5 x 4.5 cm 6.5 x 6.5 x 1.77 inch
WEIGHT	0.9 kg
OPERATING TEMPERATURE	-40°C to +80°C -40°F to 176°F

## MOUNTING KIT

MATERIAL	Galvanized steel
WEIGHT	0.3 kg
MOUNTING PLACE	Mast
MAST DIAMETER	40-60 mm 1.57-2.36 inch

## PART NUMBER

RPTNC	S9HV.65.4RT
RPSMA	S9HV.65.4RS
NM	S9HV.65.4NM

## COMPATIBLE ROUTERS

VARIANT: S9HV.65.4RT

**CISCO**

AIR-AP1852E, AIR-AP2602E, AIR-AP2702E, AIR-AP2802E, AIR-AP3602E, AIR-AP3702E, AIR-AP3802E, AIR-AP3802I, AIR-AP3802P, AIR-CAP2702E, AIR-CAP3702E, AIR-CAP3702P, Catalyst 9115AXE, Catalyst 9120AXE, Catalyst 9120AXP, MR42E, MR46E, MR53E

**OTHER**

4 \* RPTNC

VARIANT: S9HV.65.4RS

**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, 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

**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
WLINK	G930
OTHER	4 * RPSMA

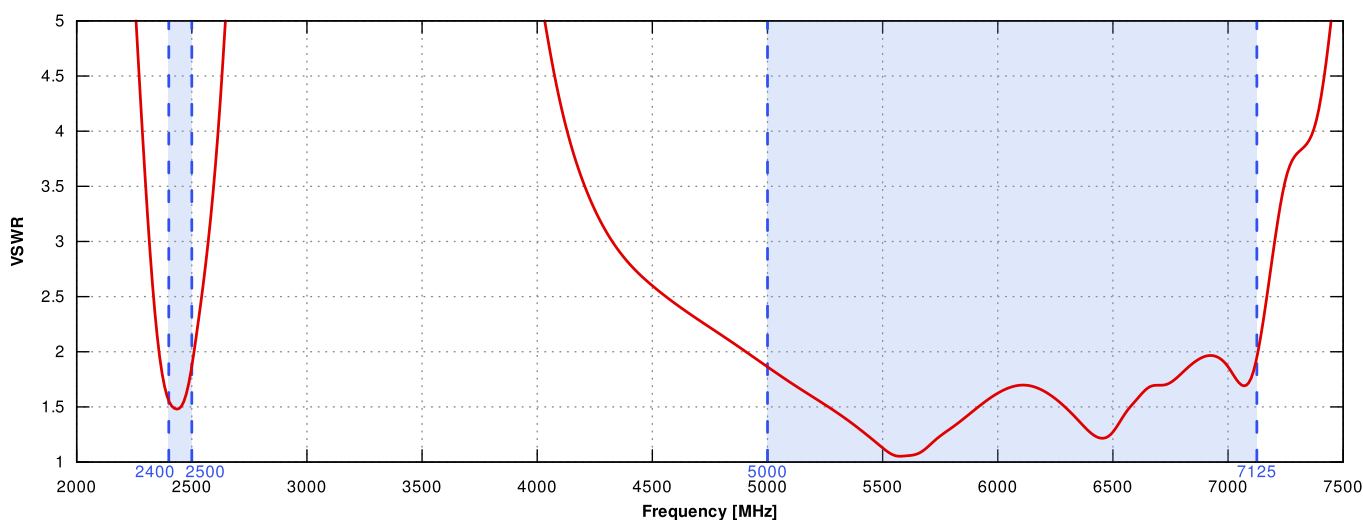
## VARIANT: S9HV.65.4NM

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
CISCO	AIR-AP1562E, AIR-AP1572EAC, AIR-AP1572EC, AIR-CAP1532E, Catalyst 9163E, IW3702-2E, IW3702-4E, IW6300, 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

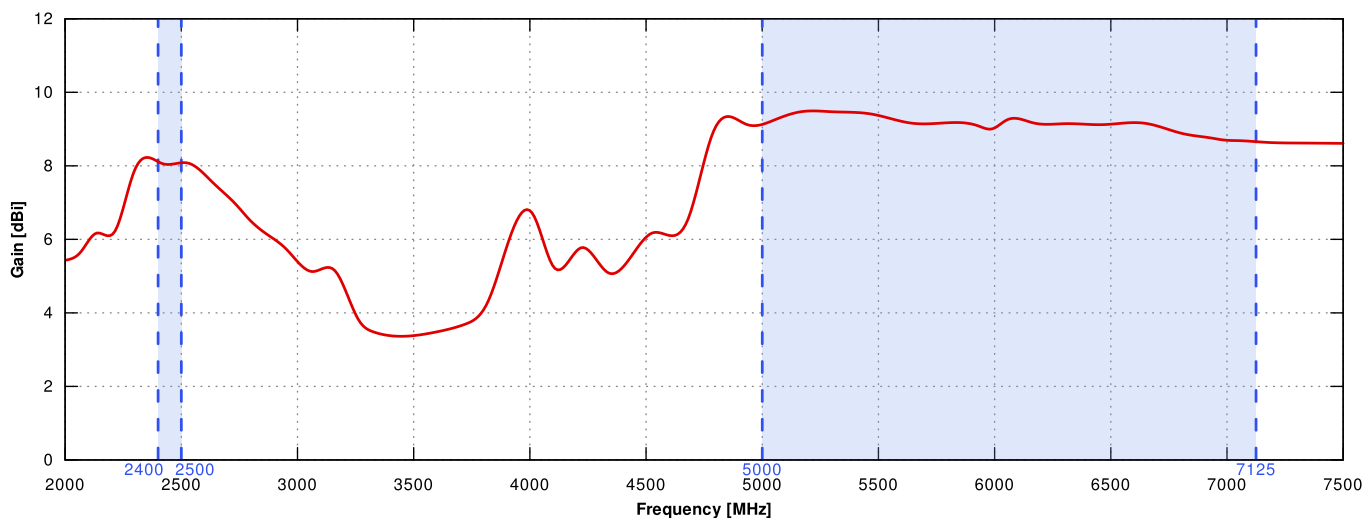
RAJANT	BreadCrumb ES1-5050CS, BreadCrumb LX5-2255A, BreadCrumb LX5-2255B, BreadCrumb LX5-2455D, Hawk BreadCrumb FE1-4950, Hawk BreadCrumb® FE1-5050 / FE1-5050A, Peregrine BreadCrumb® FE1-2255B, Peregrine LTE BreadCrumb FE1-2455LS, Peregrine LTE BreadCrumb FE1-2455LW, Sparrow BreadCrumb ME5-5050CS
RUCKUS	T750SE
SIEMENS	6GK5788-1GY01-0AA0, 6GK5748-1GY01-0AA0
XIRRUS	XH2-120
OTHER	4 * N-male

## PLOTS

VSWR

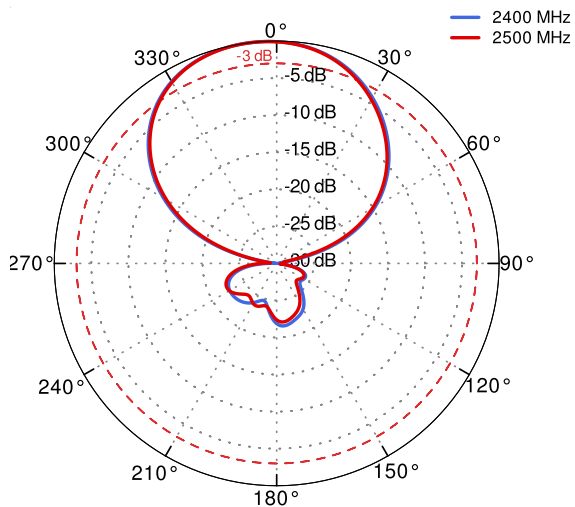


## Gain

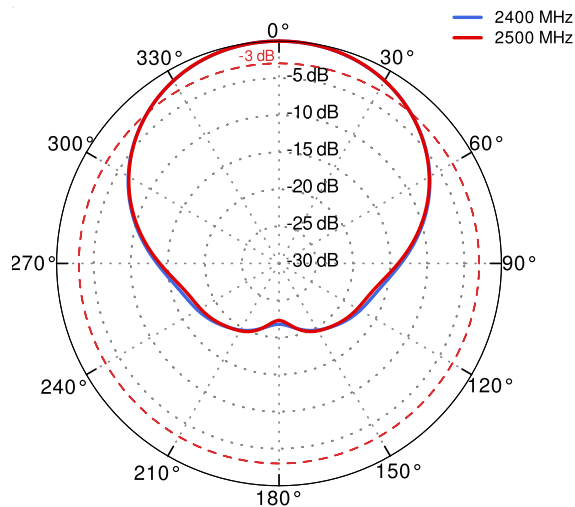


## 2.4GHz to 2.5GHz

PORT 1&3 ELEVATION

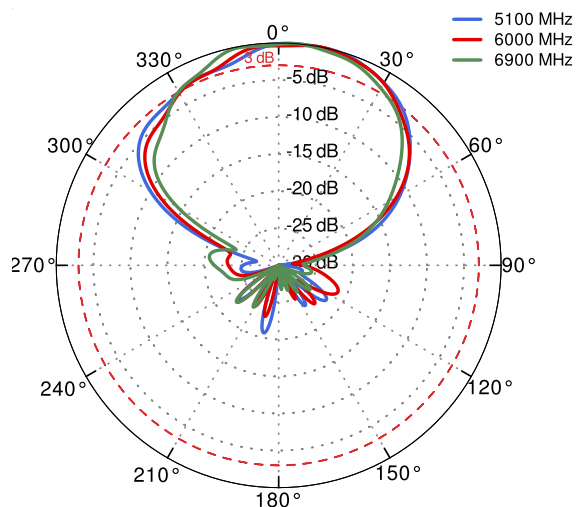


PORT 1&3 AZIMUTH

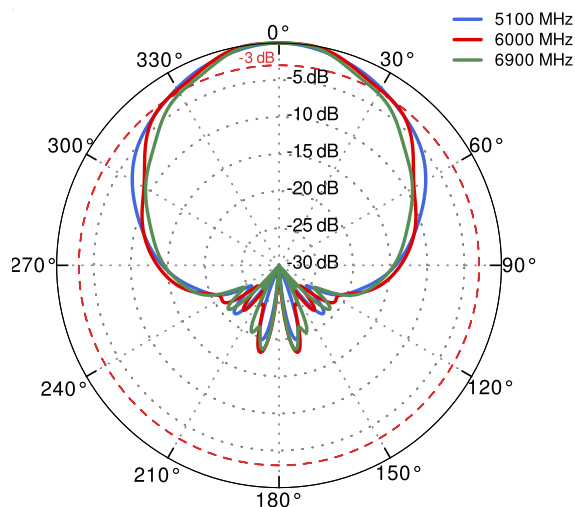


## 5GHz to 6GHz

PORT 1&3 ELEVATION

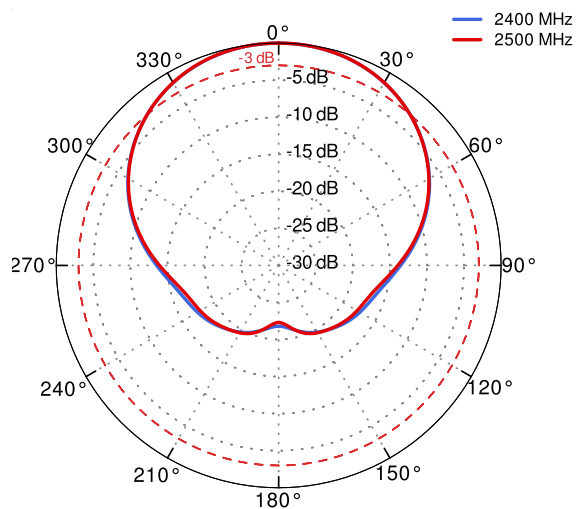


PORT 1&3 AZIMUTH

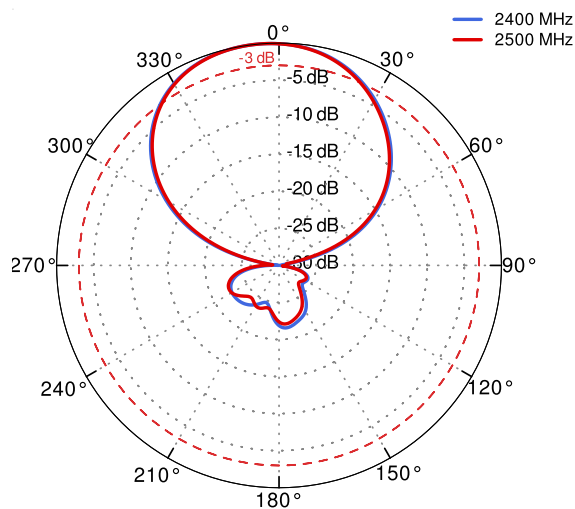


## 2.4GHz to 2.5GHz

PORT 2&4 ELEVATION



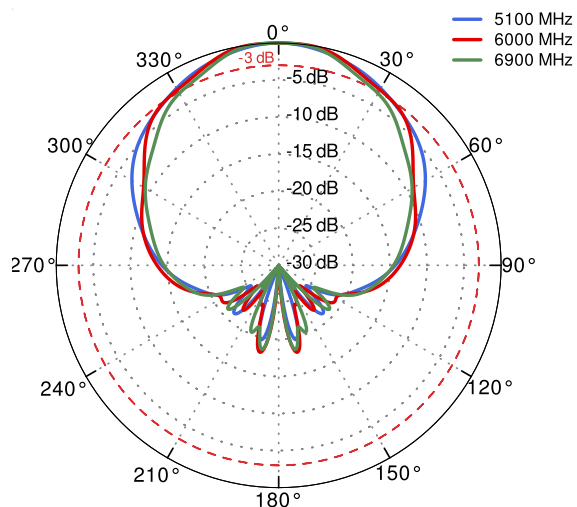
PORT 2&4 AZIMUTH



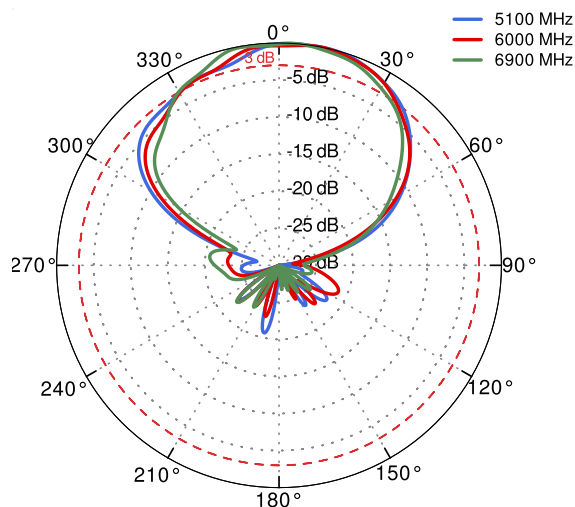


5GHz to 6GHz

PORT 2&amp;4 ELEVATION



PORT 2&amp;4 AZIMUTH



## DIMENSIONS

