QuSector 9HV-65-2 Wi-Fi 6E Nf

QuSector 9HV-65-2 Wi-Fi 6E Nf 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-65-2 Nf is a concurrent dual band, H&V polarity, MIMO 2x2 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 with two Nf connectors. QuSector 9HV-65-2 was designed to be a perfect match for your access point.

Wi Fi 6E | 2x2 MIMO | 2.4GHz + 5GHz 6GHz + 7GHz | 9 dBi | DIRECTIONAL | IP 67 | -40° TO +80°

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 Ω
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

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MECHANICAL SPECIFICATION

MATERIAL	ASA
CONNECTOR	2xNF
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	40-66 mm 1.57-2.60 inch

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COMPATIBLE ROUTERS

VARIANT: S9HV.65.2NF

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, EG5200, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R201x, R2120, R2120 5G, R2120 5G RedCap, R5020, R5020 Lite, R5030
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	AirBox LTE, AirBox/10, AirLink, AirWan, AirXroad, AirXroad/4P, RuggedAir100
ADVANTECH	EKI-1361(-MB) EKI-1362, EKI-6233BN, EKI-6333AC-2GD
ANYBUS	Wireless Router WLAN, WLAN Access Point IP30, WLAN Access Point IP67
ARUBA	AP-204, AP-504, IAP-204, RAP-108
CISCO	Catalyst IW9165D
COMSET	CM210A-W, CM210Q-W, CM510Q-W, CM550W, CM580W, CM685V-1, CM685V-4, CM685V-6, CM685V-6-G, CM685VX, CM820Q-4, CM820Q-6, CM950W
D-LINK	DAP-1665, DAP-2020, DAP-2310, DAP-2360, DBA-3621P, DIS-2650AP, DWL-8720AP, N300 4G
DIGI	IX25, TX54 LTE-Advanced, TX64, WR44 RR

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ENGENIUS	ENS500EXT
ERICSSON (CRADLEPOINT)	E300, IBR600C, IBR900, R1900, R500, R920, R980, S700, W4005
EXTREME NETWORKS	AP 3917, AP 7522, AP 7522E, AP122X, AP305CX
FORTINET	FAP-233G, FAP-U432F
FOUR-FAITH	5G Industrial Router F-NR100, 5G SIM WiFi Router F-NR120, 5G Smart Light Pole Gateway F-G300, Edge Computing Gateway F-G100
HUAWEI	AP4051DN, AP4130DN, AP4151DN
INHAND	IR315
MERU	AP1010E
MIKROTIK	L009UiGS-2HaxD-IN, L11UG-5HaxD, RB922
MOXA	AWK-1131A Series, AWK-1137C Series, AWK-1151C Series, AWK-3131A Series, AWK-3252A Series, AWK-4131A Series, AWK-4252A Series, TAP-213 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
PROROUTE	H685 LTE 4G CAT6 Router, H685 WRT M2M 5G Router, H900 5G Router

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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
ROBUSTEL	EG5100, EG5120, EG5200, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R201x, R2120, R2120 5G, R2120 5G RedCap, R5020, R5020 Lite, R5030
RUCKUS	T350SE
SEMTECH (SIERRA WIRELESS)	AirLink RV55, AirLink RX55, AirLink XR60
SIEMENS	6GK5763-1AL00-7DA0, 6GK5766-1GE00-7DB0, 6GK5763-1AL00-3AA0, 6GK5763-1AL00-3DA0, 6GK5763-1AL00-7DB0, 6GK5766-1GE00-3DA0, 6GK5766-1GE00-3DB0, 6GK5766-1GE00-7DA0, 6GK5766-1GE00-7TA0, 6GK5766-1GE00-7TB0, Scalance W734 RJ45, Scalance W738 M12, Scalance W774 M12 EEC, Scalance W774 RJ45, Scalance W778-1 M12, Scalance W778-1 M12 EEC, SCALANCE W786
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
WAVETEL	W240 4G/LTE, W2400 LTE , W3600 4G/LTE Dual WAN, W4600, W4600-NR 5G, W4600-S2, WNR320 5G, WNR340 5G, WNR5601 5G
WLINK	ER120, G200, G230, G510, G520, G530, G530, R220, R520
XIRRUS	XR-520H
ZYXEL	LTE3301-PLUS, NWA55AXE
OTHER	2 * N-male, 2 * RPSMA, 2 * RPTNC

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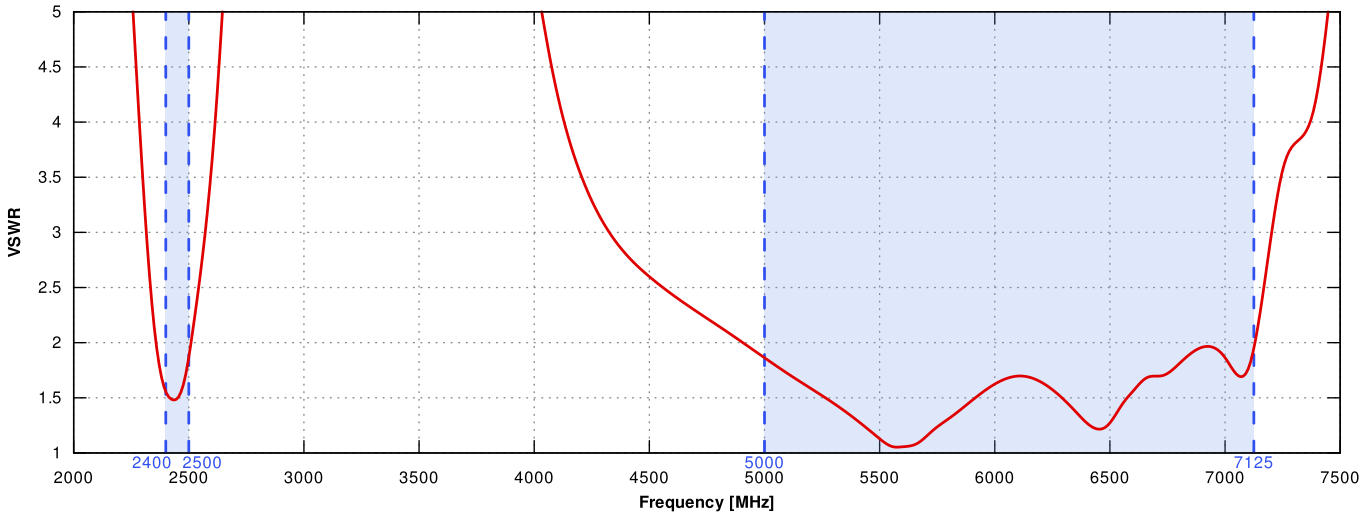
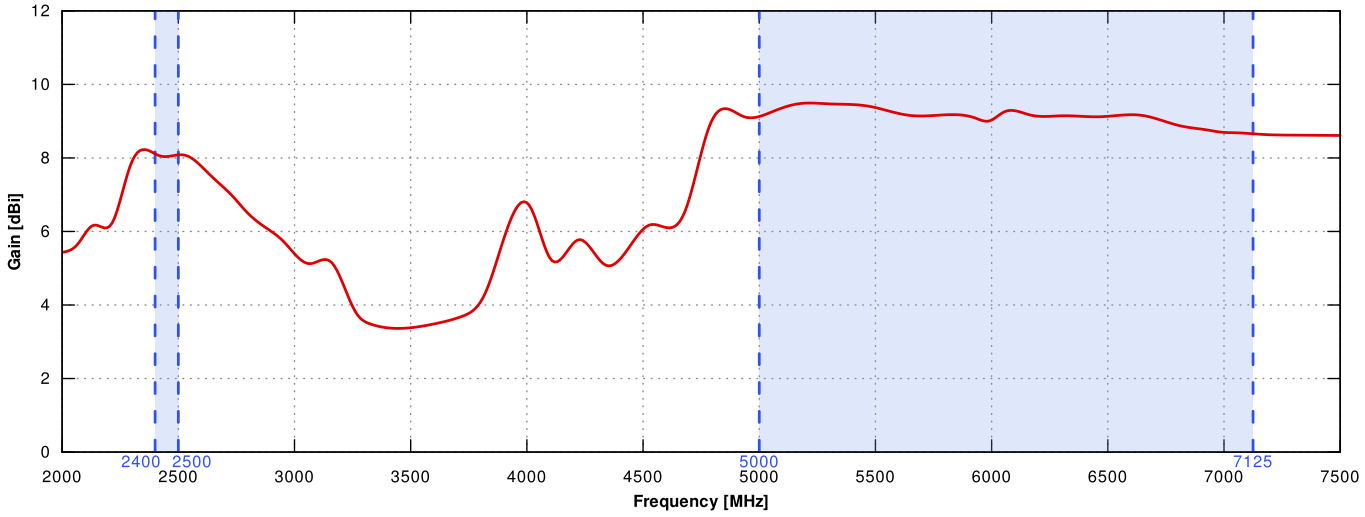
PLOTS

VSWR



Gain



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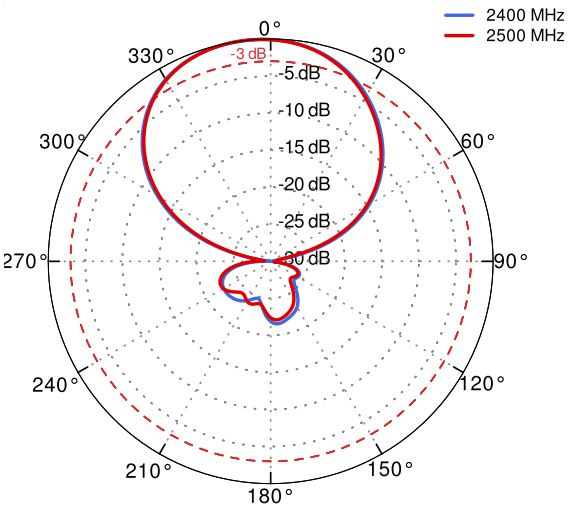
Port 1 from 2.4GHz to 2.5GHz

PORT 1 ELEVATION



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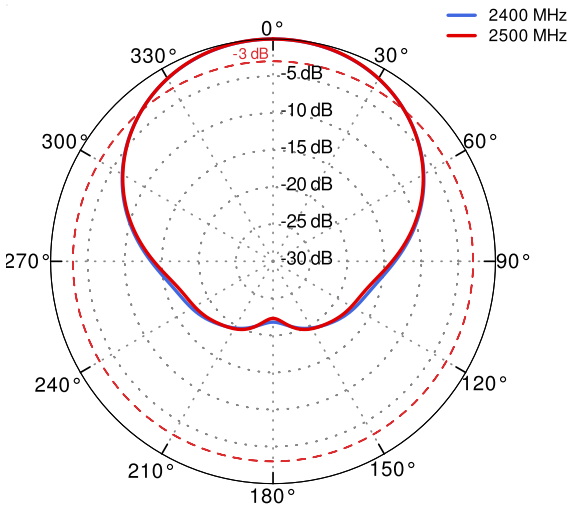
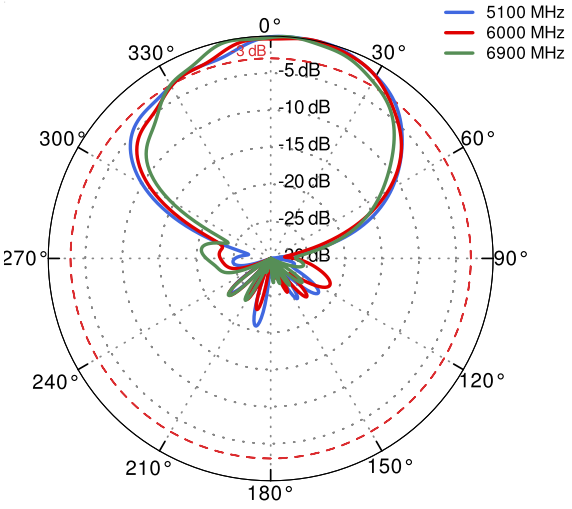


Port 1 from 5GHz to 6GHz

PORT 1 ELEVATION



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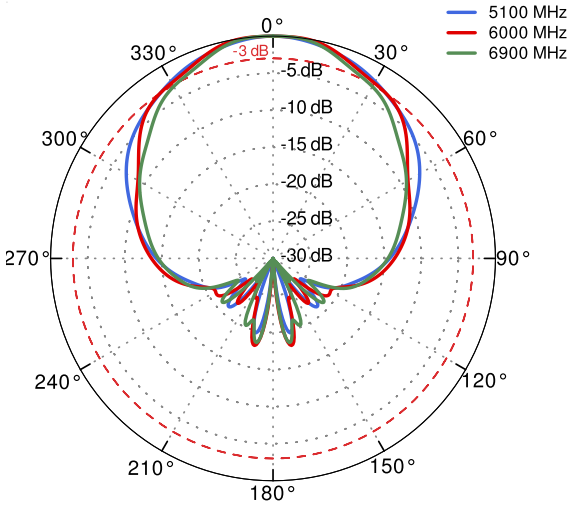

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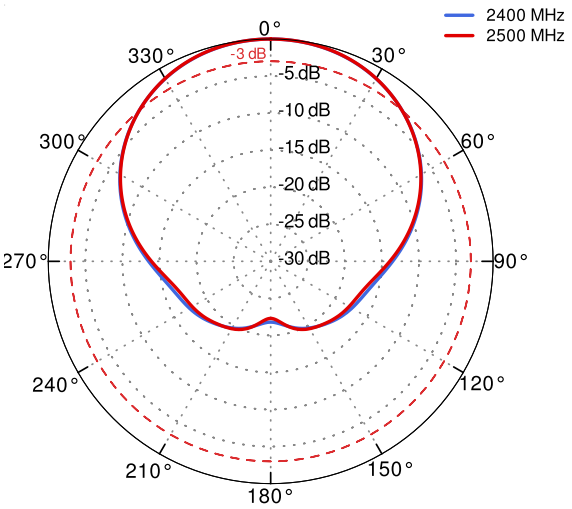
Port 2 from 2.4GHz to 2.5GHz

PORT 2 ELEVATION



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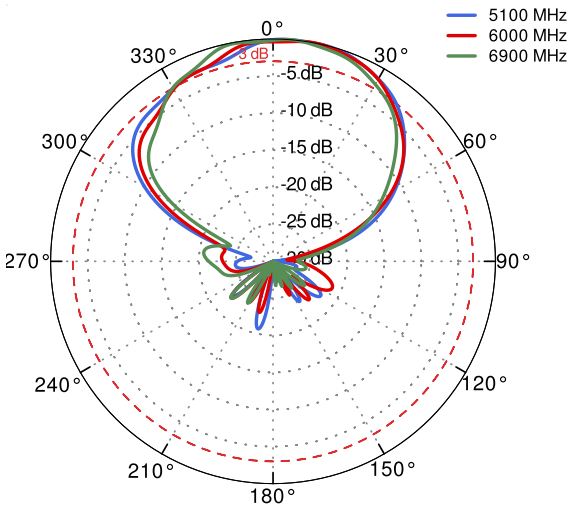
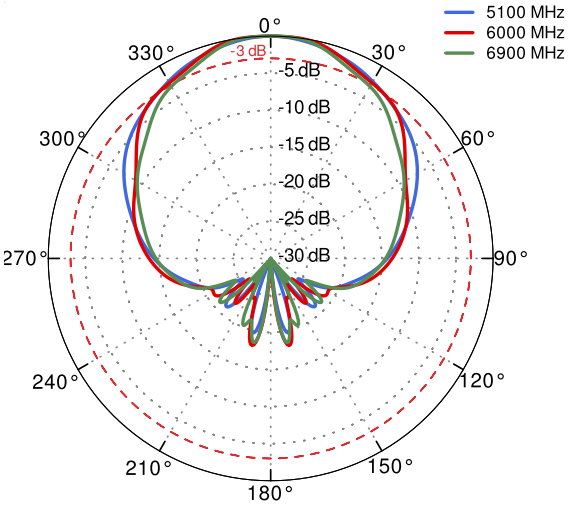


Port 2 from 5GHz to 6GHz

PORT 2 ELEVATION



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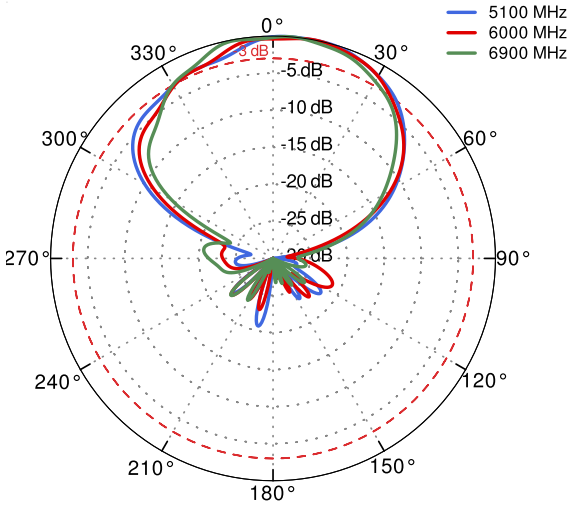

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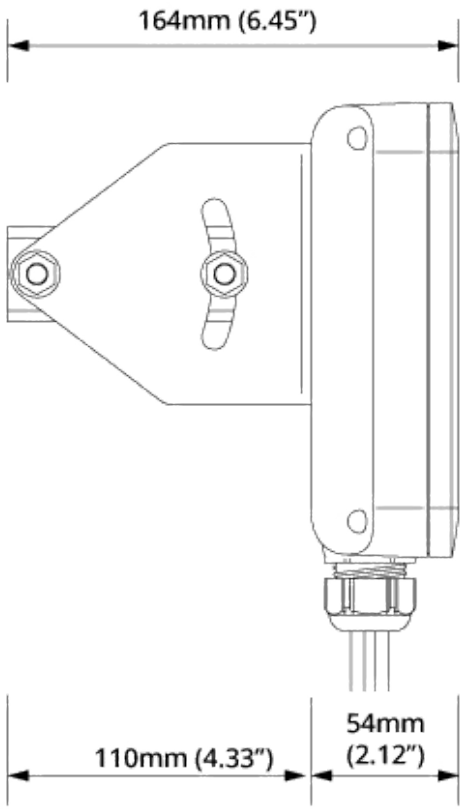
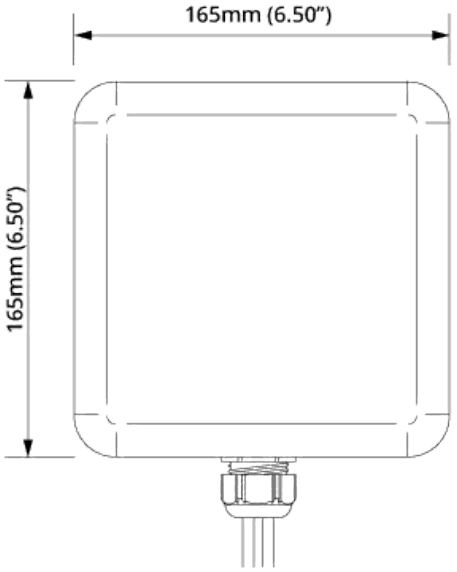
DIMENSIONS





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