



A BRAND OF RACING FORCE

Manufacturer	Zeronoise
Product Name	ZN-1.9
Antenna Type	PCB antenna
Date	08/05/2024
Version	1

Racing Force S.p.a. Via della Canapiglia 15, 56019 Vecchiano, Pisa, Italy. T: +39 010 96 501 zeronoisedevices.com - racingforce.com

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Antenna appearance

Frequency [MHz]	1921	1925	1929
Return Loss	-6.4	-6	-6
VSWR	2.8	3.0	3.0

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Radiation patterns:

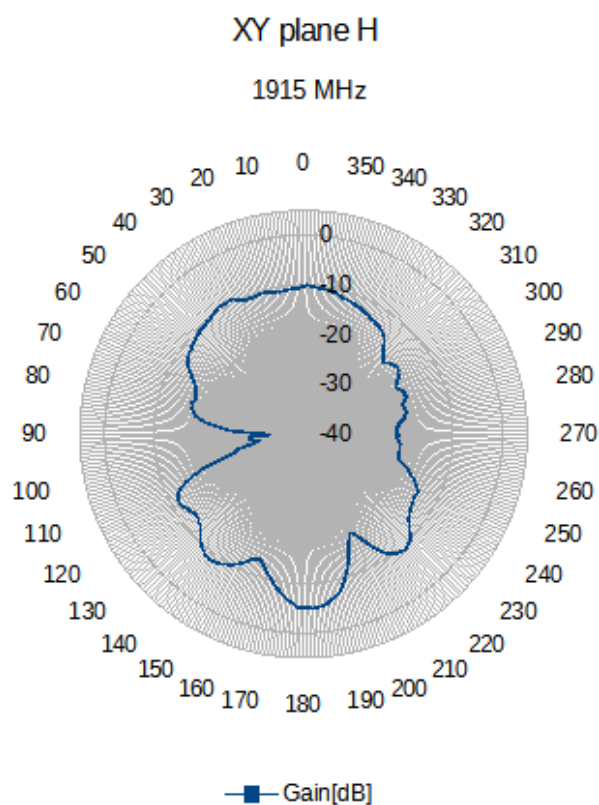


Figure 1 - 1921 MHz - xy plane plot – Horizontal polarization

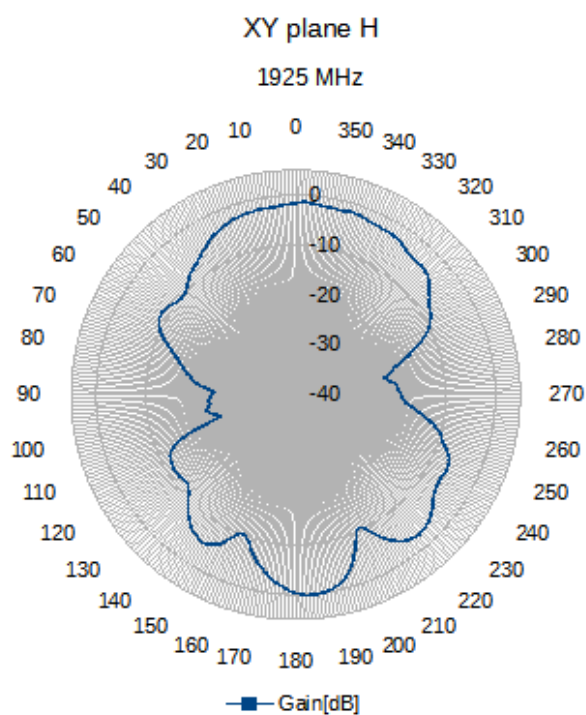


Figure 2 - 1925 MHz - xy plane plot – Horizontal polarization

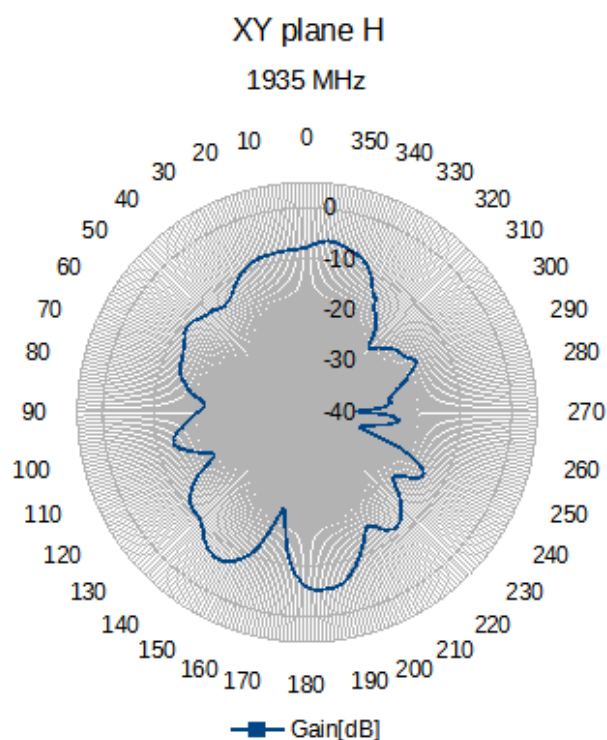


Figure 3 - 1929 MHz - xy plane plot – Horizontal polarization

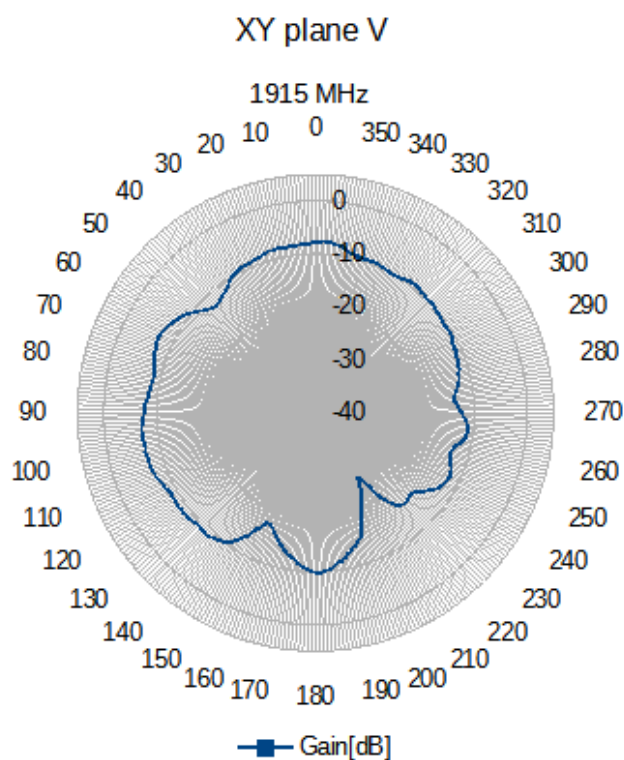


Figure 4 - 1921 MHz - xy plane plot – Vertical polarization

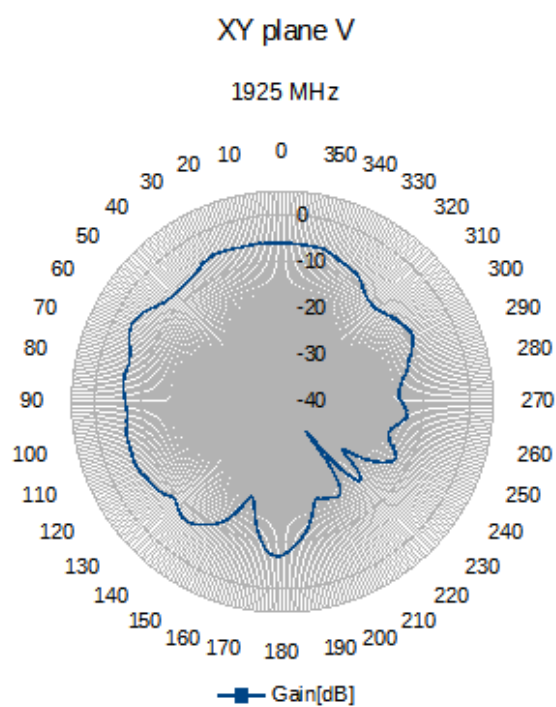


Figure 5 - 1925 MHz - xy plane plot – Vertical polarization

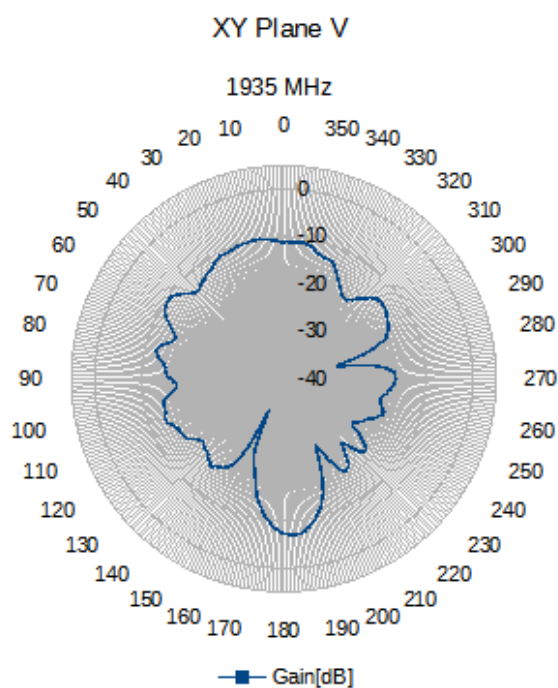


Figure 6 - 1929 MHz - xy plane plot – Vertical polarization

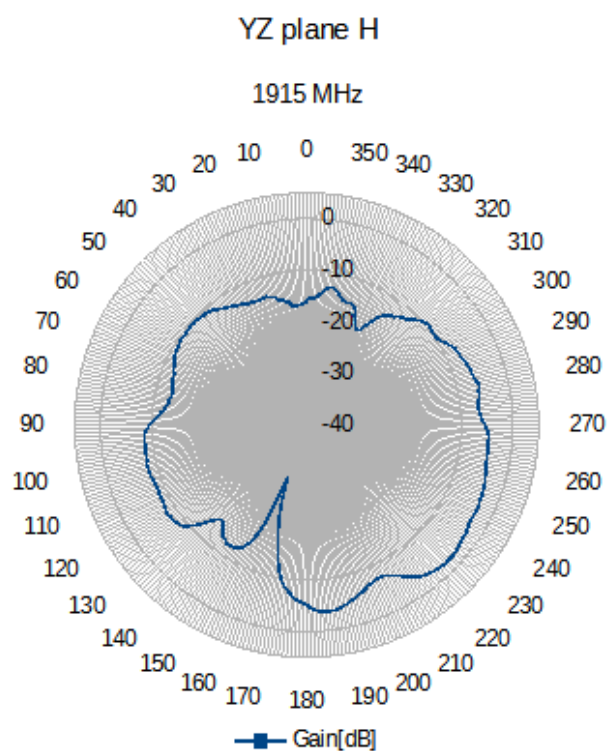


Figure 7 - 1921 MHz - yz plane plot – Horizontal polarization

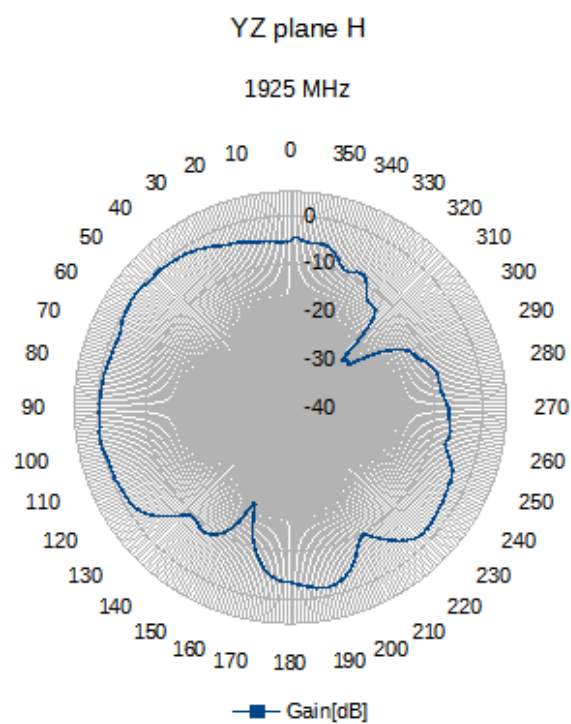


Figure 8 - 1925 MHz - yz plane plot – Horizontal polarization

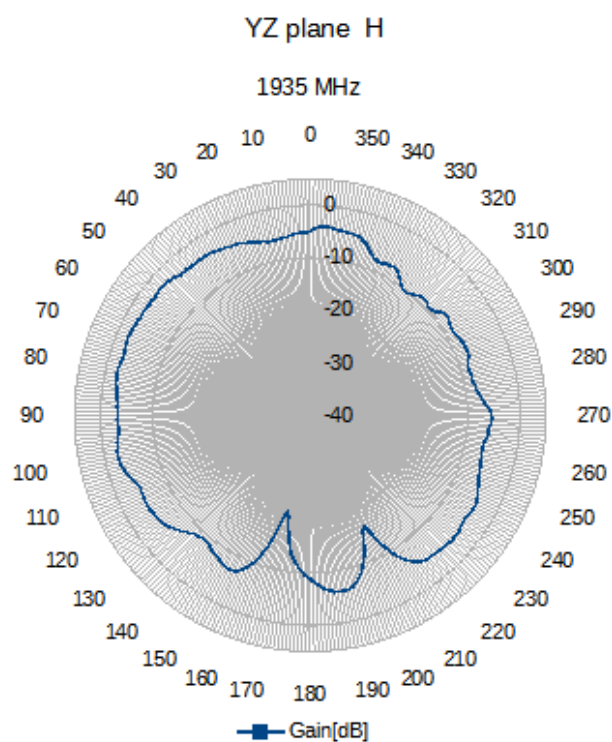


Figure 9 - 1929 MHz - yz plane plot – Horizontal polarization

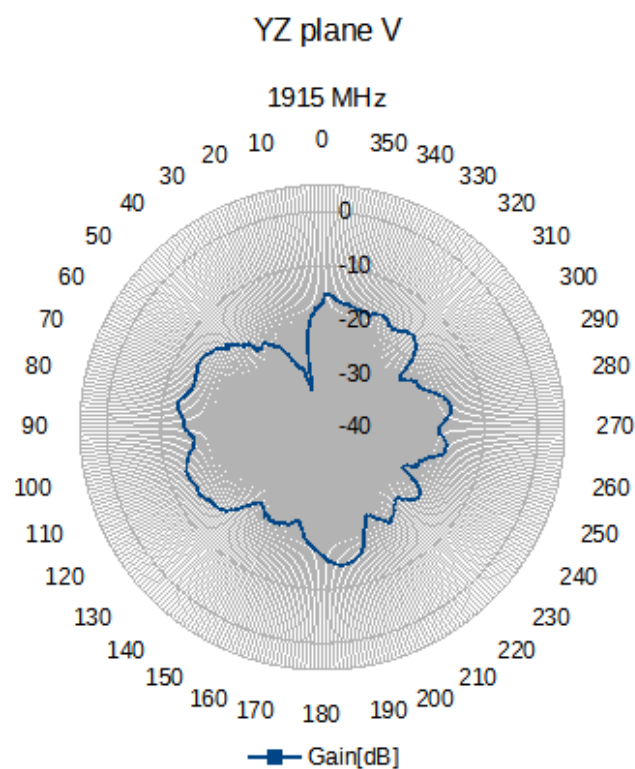


Figure 10 - 1921 MHz - yz plane plot – Vertical polarization

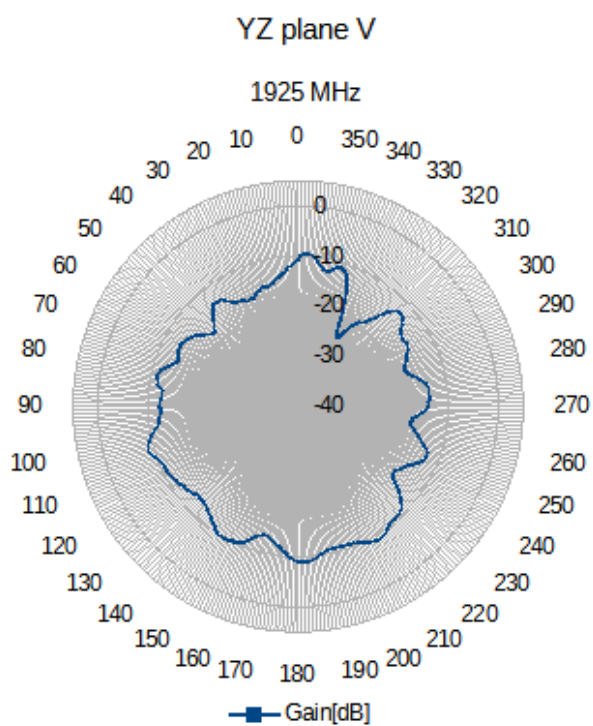


Figure 11 - 1925 MHz - yz plane plot – Vertical polarization

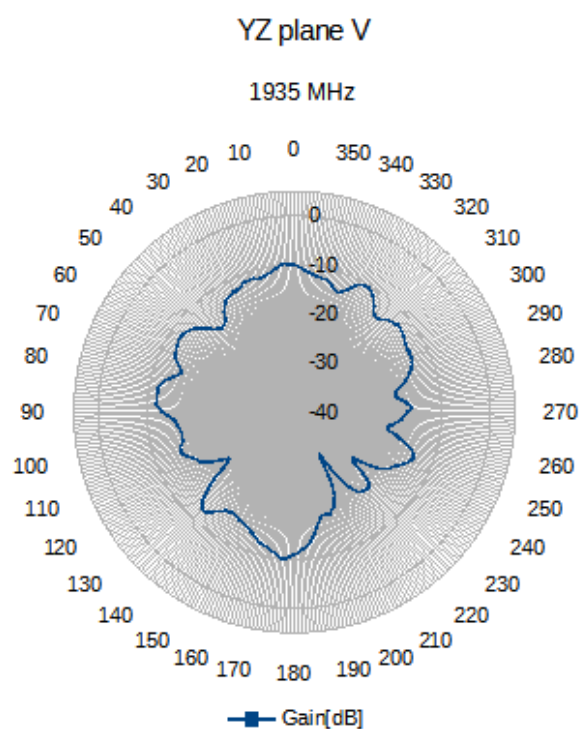


Figure 12 - 1929 MHz - yz plane plot – Vertical polarization

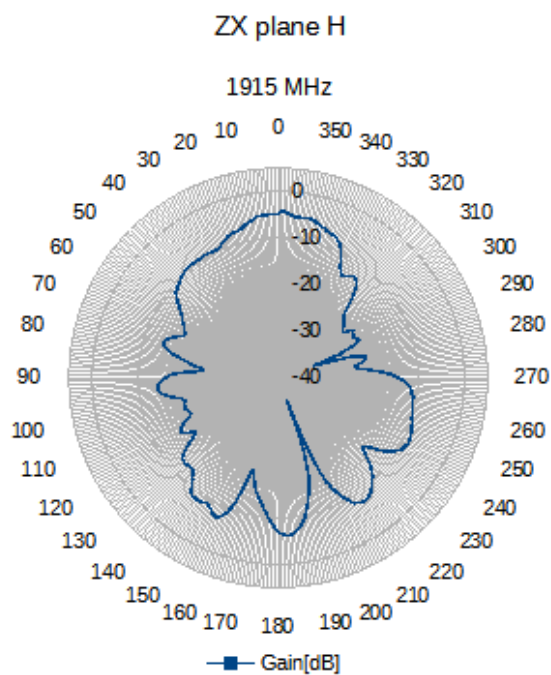


Figure 13 - 1921 MHz - zx plane plot – Horizontal polarization

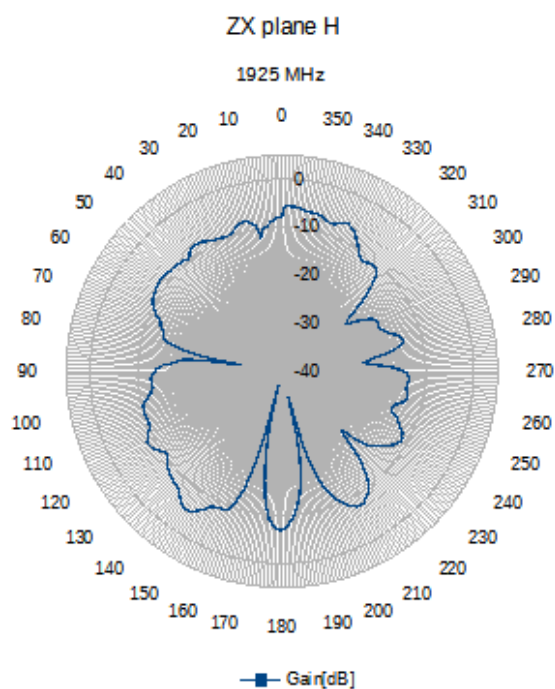


Figure 14 - 1925 MHz - zx plane plot – Horizontal polarization

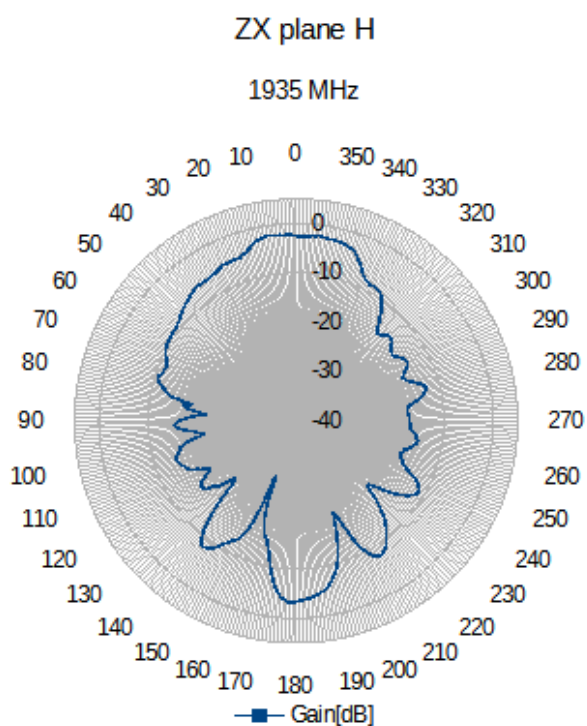


Figure 15 - 1929 MHz - zx plane plot – Horizontal polarization



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Gain and efficiency

Test state	Frequency[MHz]	Gain[dB]	Efficiency[%]
Free space	1921	-4,4	33.42
	1925	-4,3	42.19
	1929	-3,5	49.04

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14*2.3mm



Antenna dimensions

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