Manufacturer	Zeronoise
Product Name	ZN-1.9
Antenna Type	Strip 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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OMP | BELL | ZN | Racing Spirit +

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Antenna appearence

Frequency [MHz]	1915	1925	1935
Return Loss	-6.4	-6	-6
VSWR	2.8	3.0	3.0

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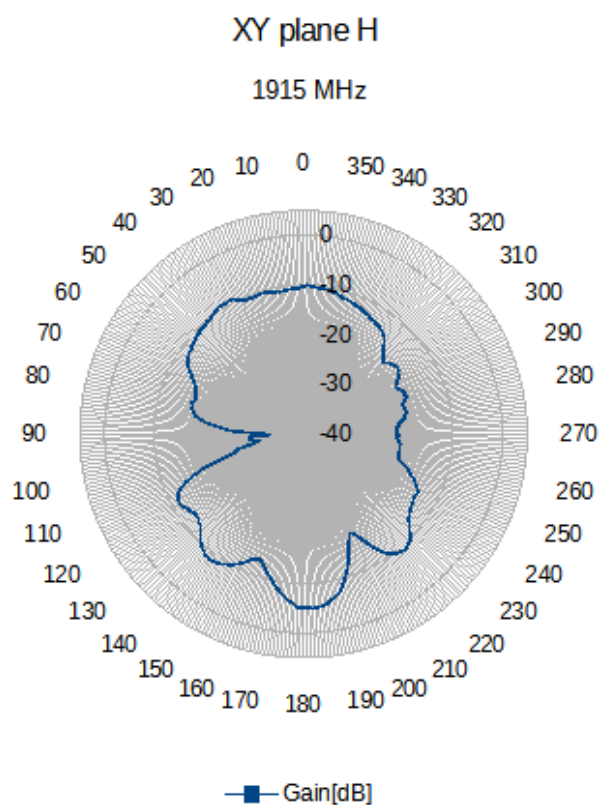BRANDS OF RACING FORCE GROUP

Radiation patterns:
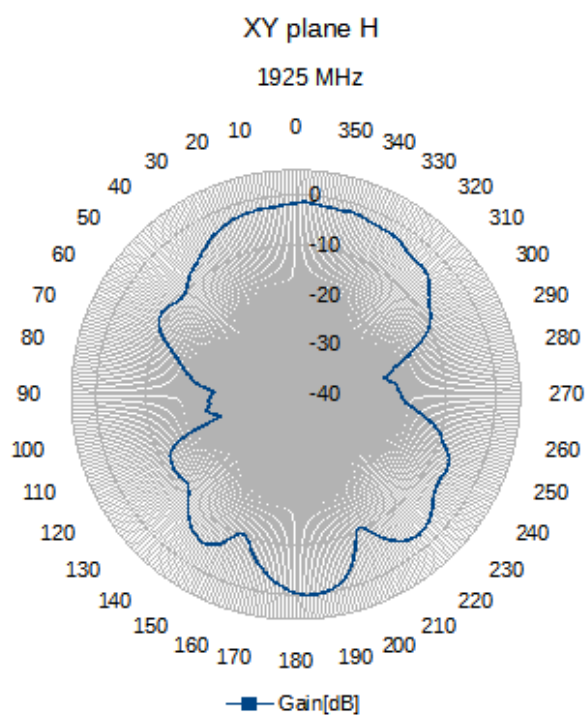

XY plane H

1915 MHz

Figure 1 - 1915 MHz - xy plane plot – Horizontal polarization

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

XY plane H

1935 MHz
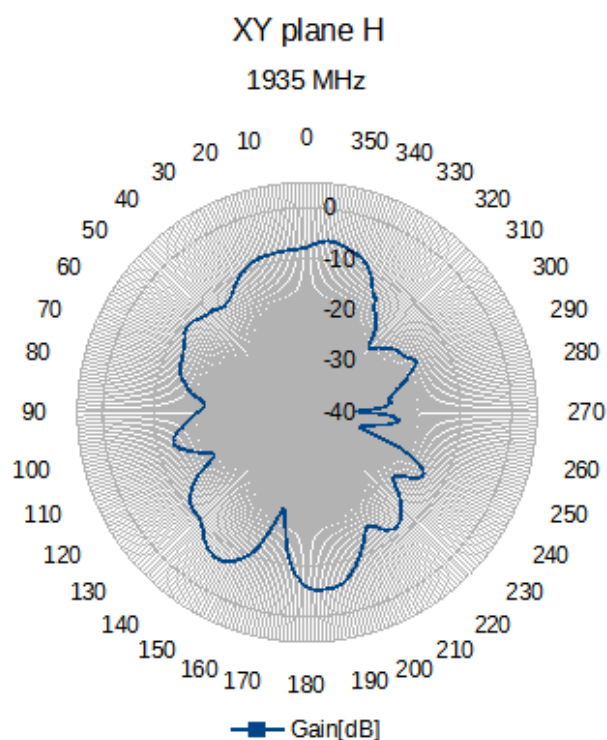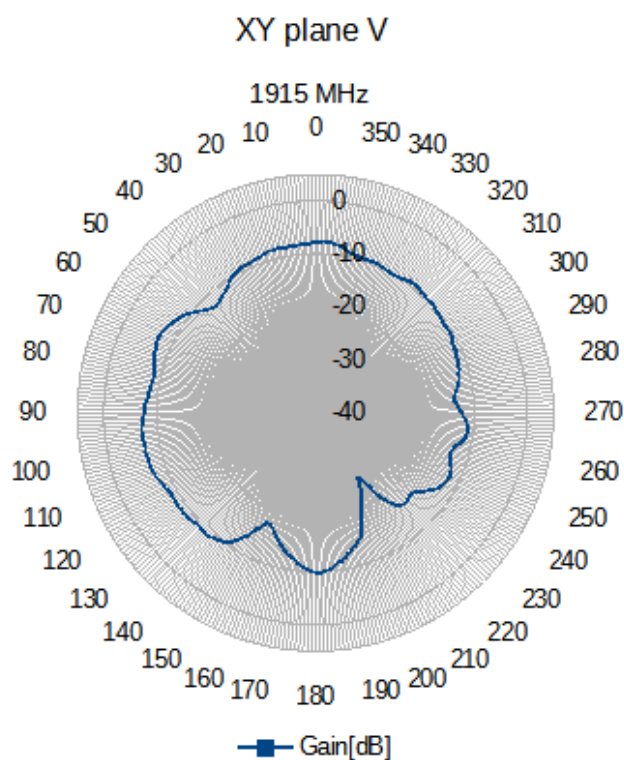
Figure 3 - 1935 MHz - xy plane plot – Horizontal polarization

Figure 4 - 1915 MHz - xy plane plot – Vertical polarization

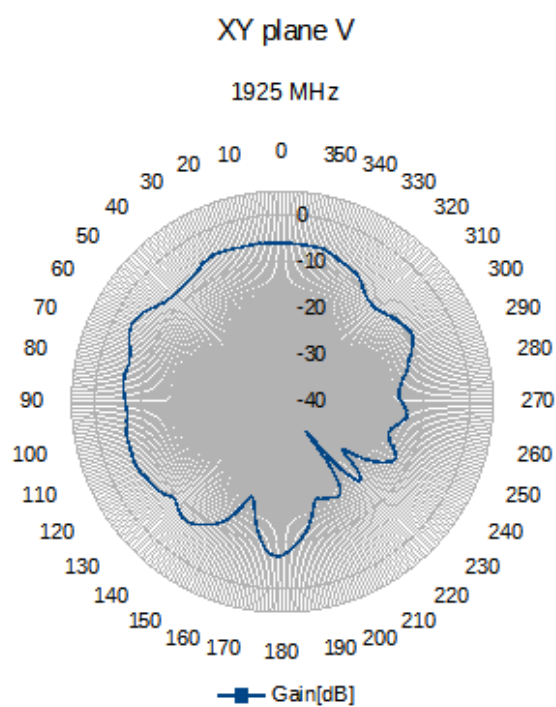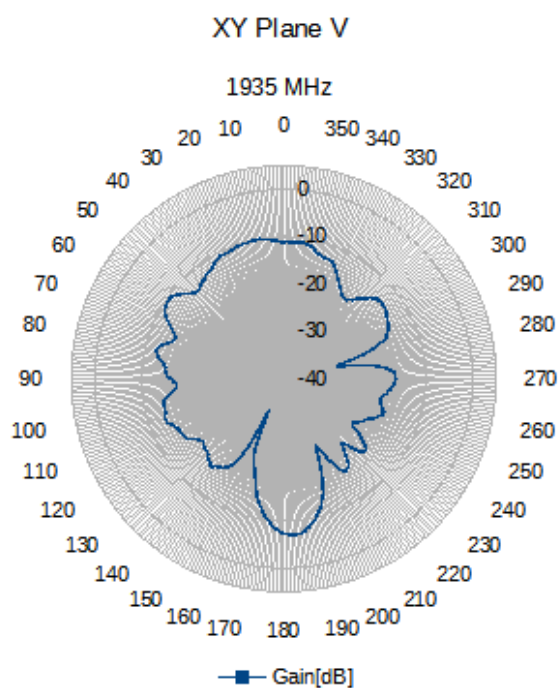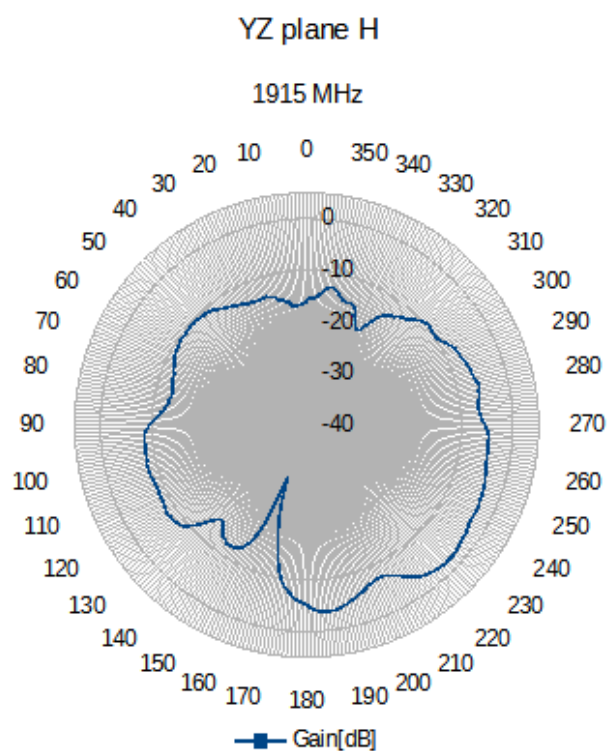**Figure 5 - 1925 MHz - xy plane plot – Vertical polarization**

XY Plane V

1935 MHz

Figure 6 - 1935 MHz - xy plane plot – Vertical polarization

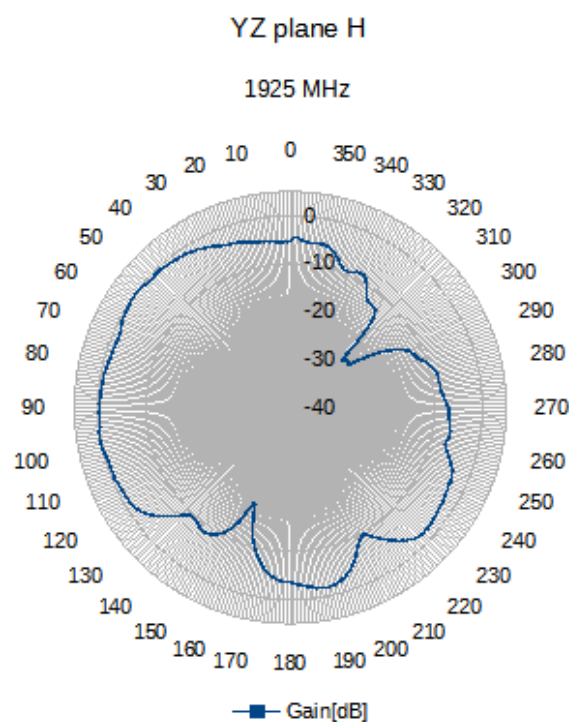**Figure 7 - 1915 MHz - yz plane plot – Horizontal polarization**

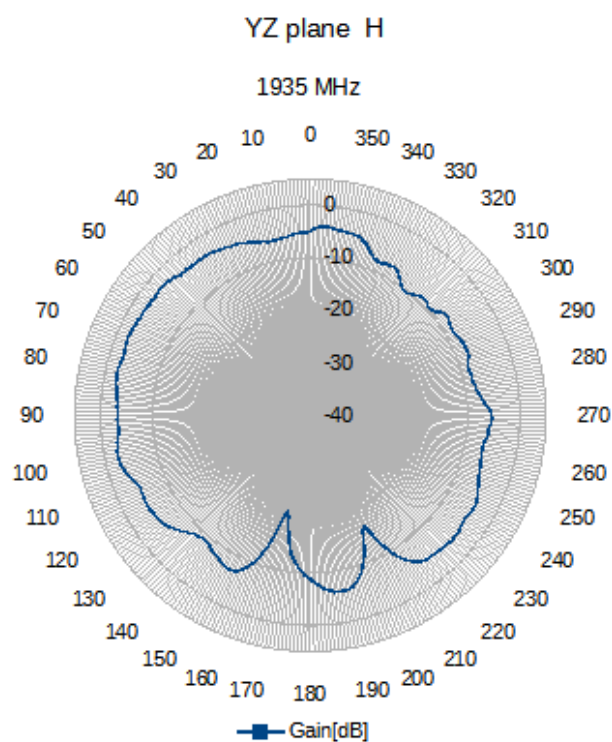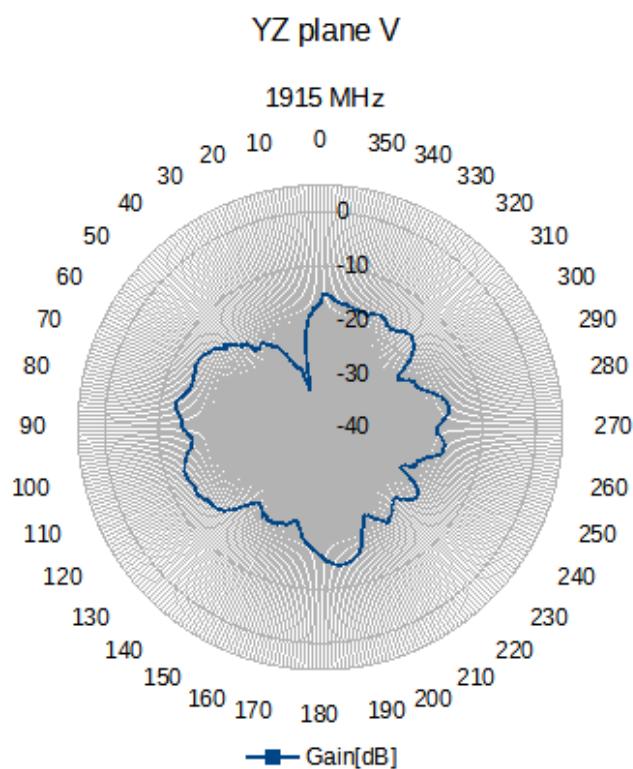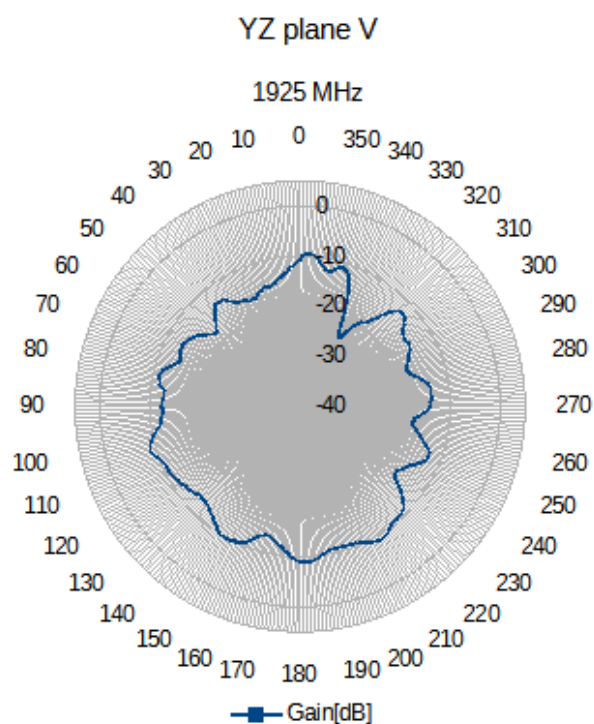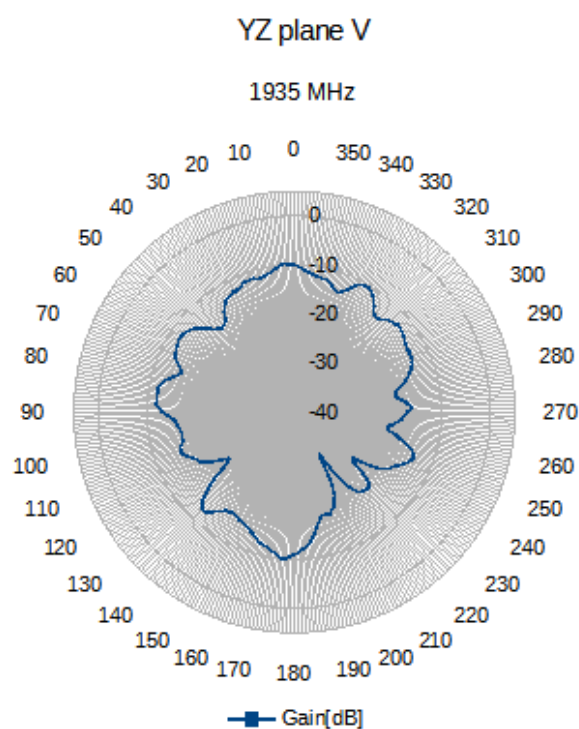**Figure 8 - 1925 MHz - yz plane plot – Horizontal polarization**

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Figure 9 - 1935 MHz - yz plane plot – Horizontal polarization

Figure 10 - 1915 MHz - yz plane plot – Vertical polarization

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

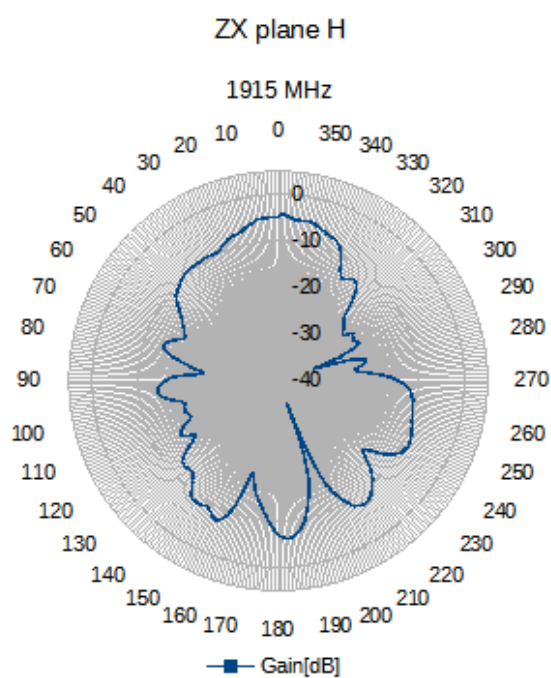**Figure 12 - 1935 MHz - yz plane plot – Vertical polarization**

Figure 13 - 1915 MHz - zx plane plot – Horizontal polarization
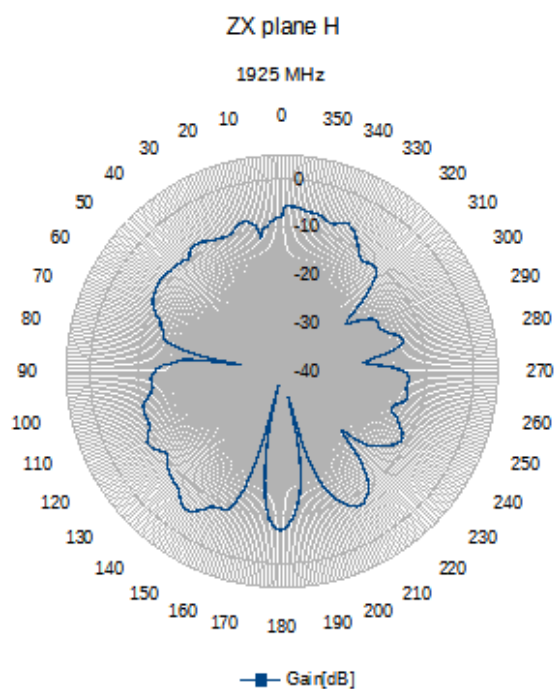
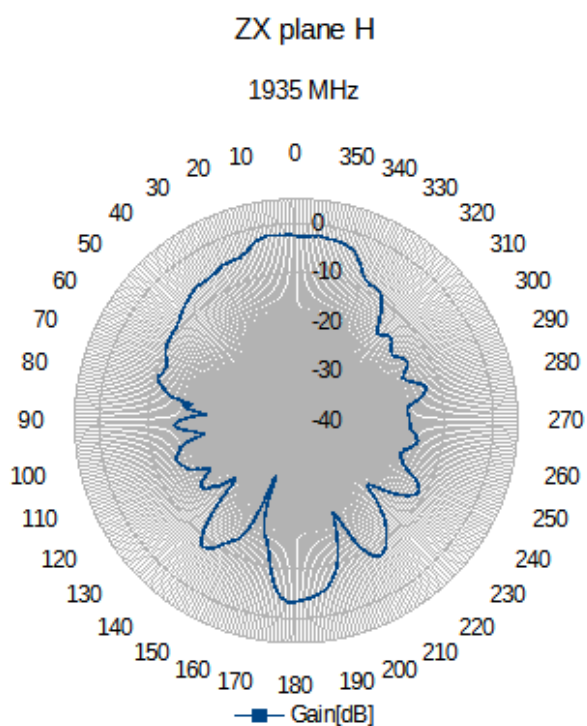**Figure 14 - 1925 MHz - zx plane plot – Horizontal polarization**

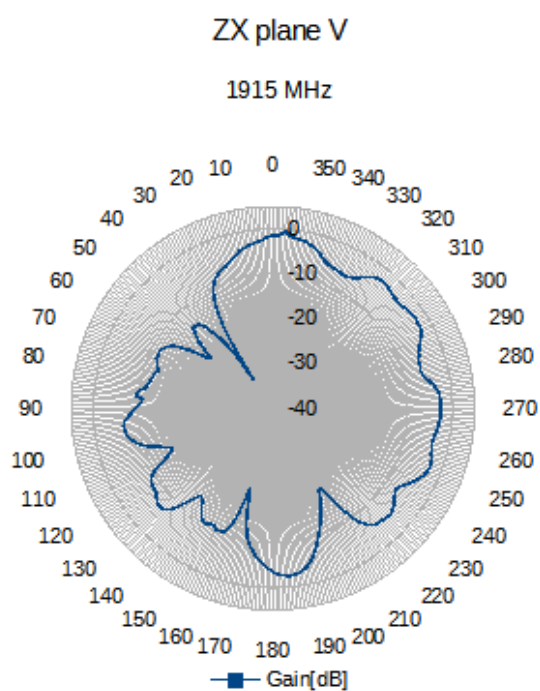**Figure 15 - 1935 MHz - zx plane plot – Horizontal polarization**
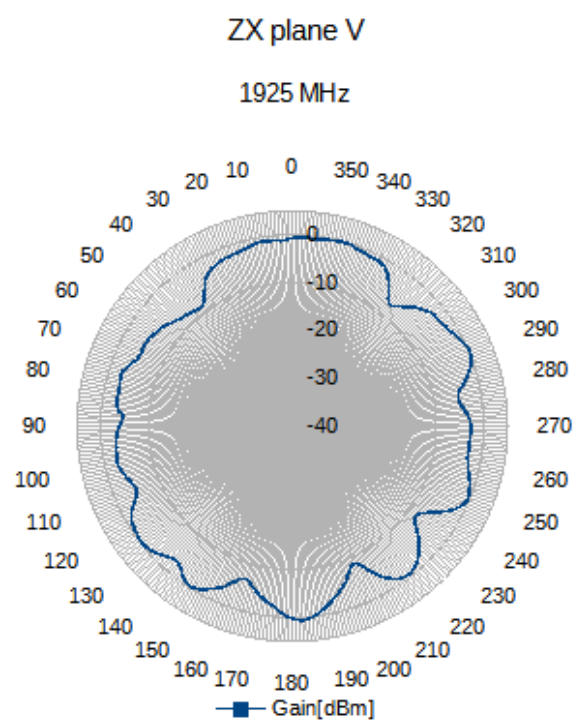
Figure 16 - 1915 MHz - zx plane plot – Vertical polarization
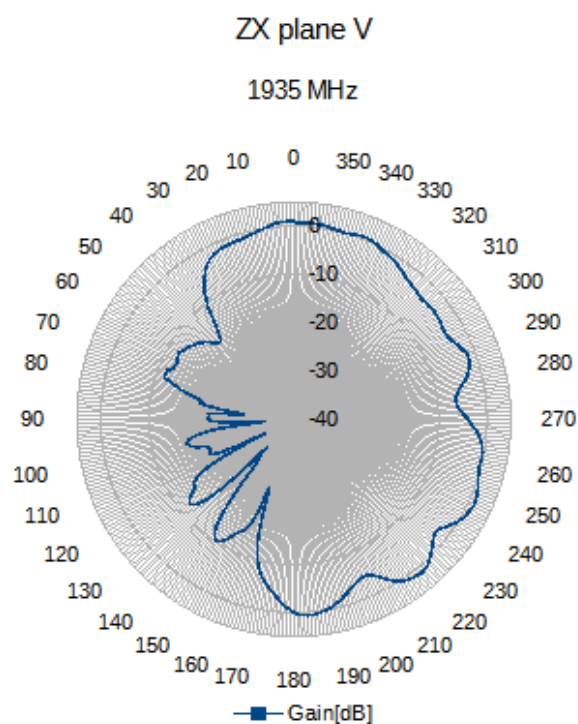
Figure 17 - 1925 MHz - zx plane plot – Vertical polarization

ZX plane V

1935 MHz

Figure 18 - 1935 MHz - zx plane plot – Vertical polarization

Gain and efficiency

Test state	Frequency[MHz]	Gain[dB]	Efffciency[%]
Free space	1915	-0,33	33.42
	1925	0,68	42.19
	1935	1,34	49.04

Test setup with x, y, z axes highlighted

Antenna dimensions