

ENABLER ANTENNA DATASHEET

PN: 1020044 Spring antenna A-3-
10-22

YECHIEL ASRAFF

QUESTAR AUTO TECHNOLOGIES LTD.

December 27, 2022

PART NUMBER

1020044 Spring antenna A-3-10-22

GENERAL DATA

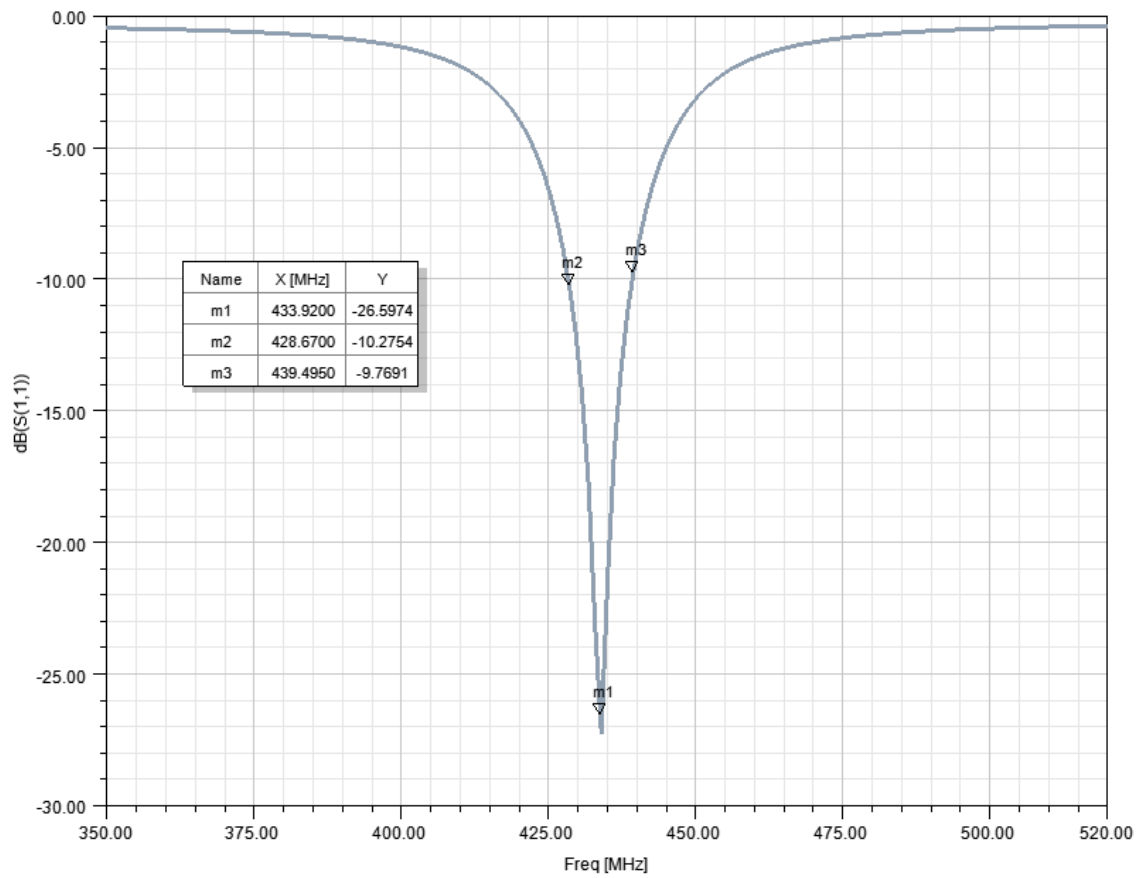
Product name	Enabler Helical Antenna
Part Number	1020044 Spring antenna A-3-10-22
Frequency band	424 – 443 MHz
Operating Frequency	433.93 MHz
Polarization	Linear
Operating temperature	-40°C to 85°C
Impedance with matching	50 Ω
Antenna type	Through Hole
Dimensions (Antenna)	See Dimensions Section

RF CHARACTERISTICS

Peak gain	-0.3 dBi
Average gain	-4.4 dB
Average efficiency	36%
Maximum return loss [424 – 443 MHz]	-6.0 dB
Maximum return loss [428 – 439 MHz]	-10.0 dB

RF PERFORMANCE

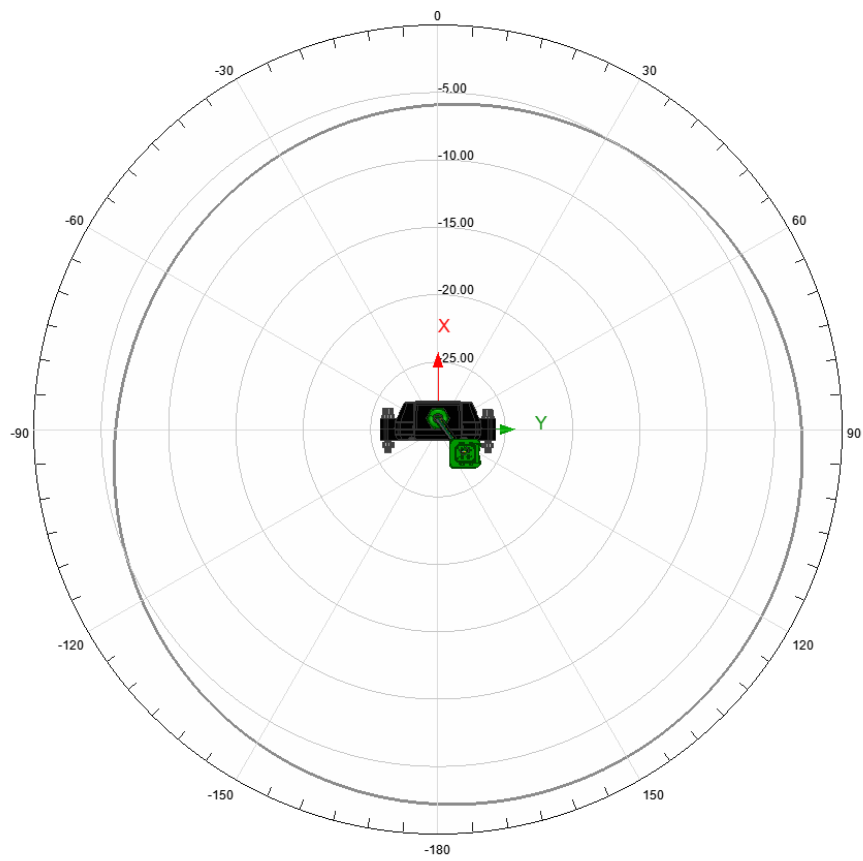
RETURN LOSS



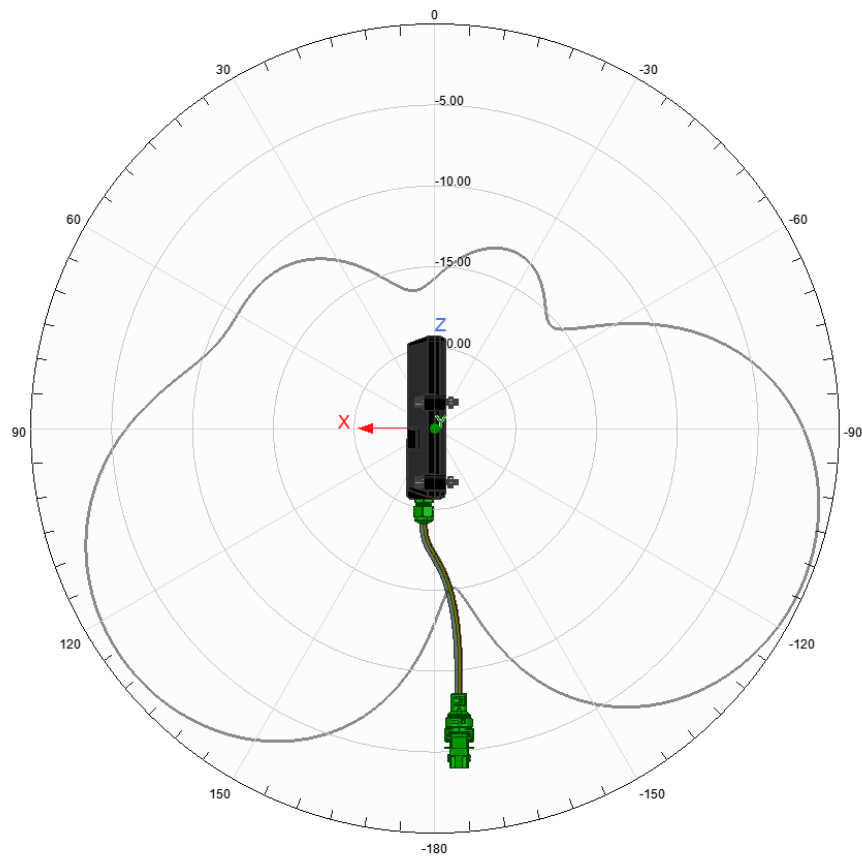
RF PERFORMANCE

433.92 MHZ

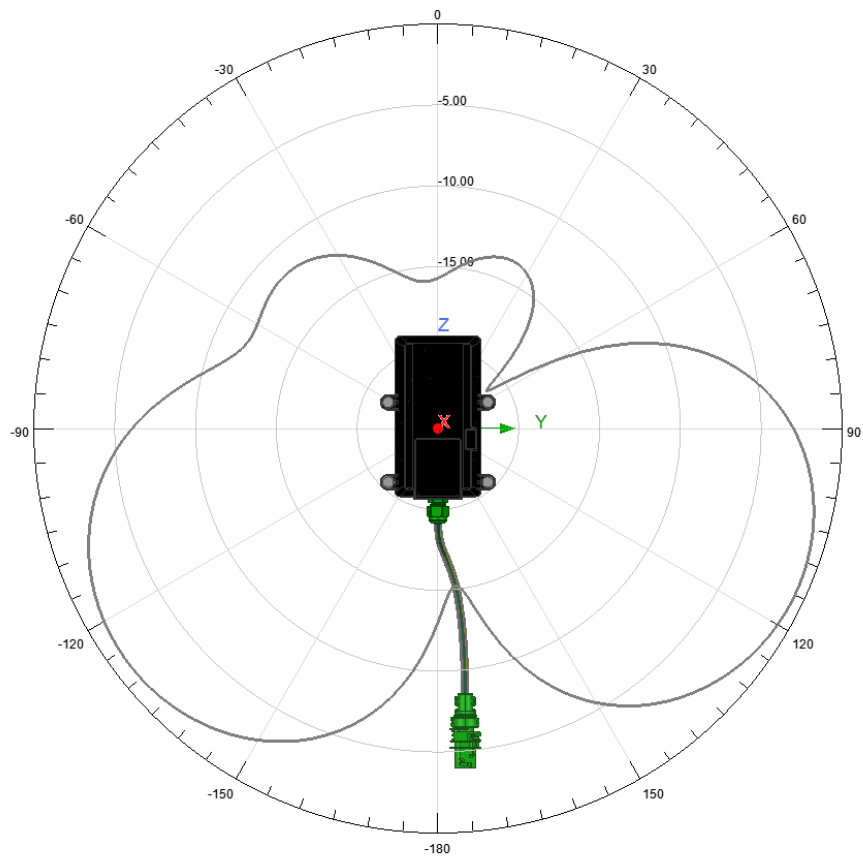
XY



ZX



ZY



ANTENNA DIMENSIONS

Dimensions in MM

