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NOX

Antenna datasheet (Public document)



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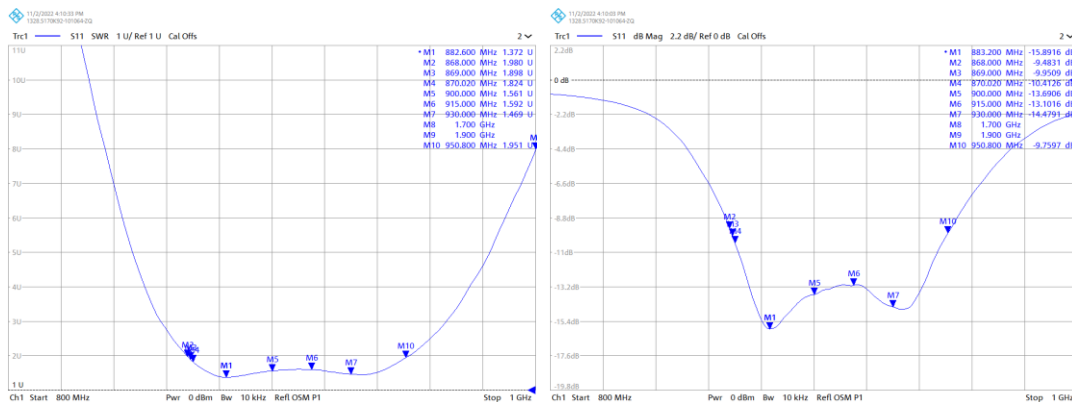
1. Antenna performance

The antenna operates in the ISM 915 MHz band (902 – 928 MHz).

1.1. Antenna parameters

Antenna return loss (SWR) including matching network:

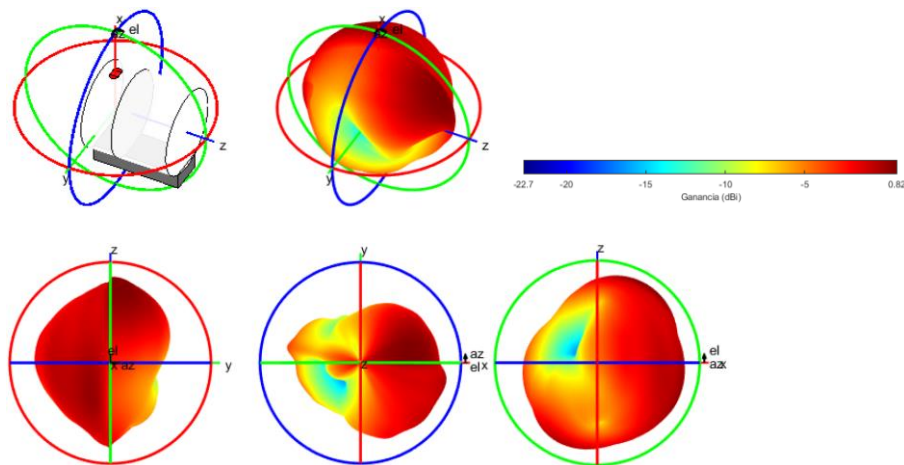
VSWR \leq 2.0 in the frequency range 902 to 928 MHz.



Antenna radiation pattern (2D and 3D):

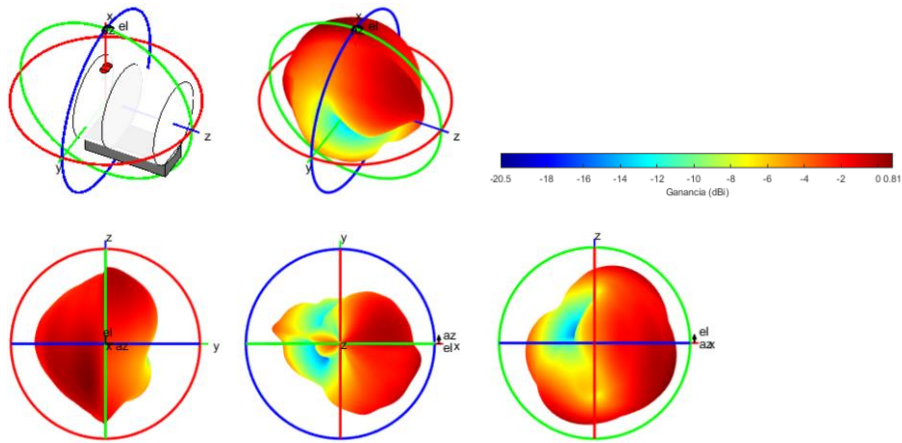
The radiation patterns have been measured at free space in three different frequencies (902, 915, 928 MHz). Find below 3D patterns.

- 902 MHz:

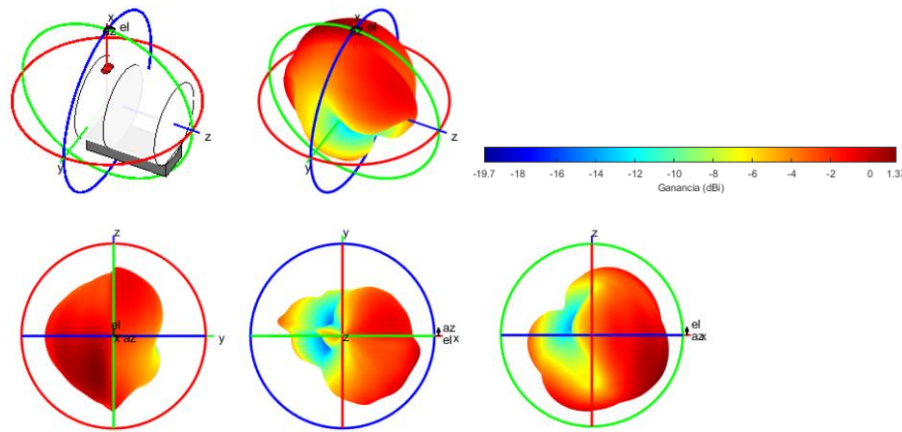


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- 915 MHz:



- 928 MHz:



Antenna gain, efficiency, and directivity:

Frequency range (MHz)	Max. Directivity (dBi)	Max. Peak Gain (dBi)
902 - 928	5,61	1,43

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2. Antenna manufacturer

Verisure Securitas Direct

3. Antenna model number

NOX antenna is a microstrip, PCB printed antenna. As the antenna is included in the product PCB there is no dedicated PN for it. Photos of this antenna and where it is included in the PCB can be found in the confidential version of this document: *NOX Antenna Datasheet – Confidential.pdf*

If a PN is needed to identify the antenna, it should be the PCB's PN, *NOX000005*.