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Keyfob Antenna datasheet (Public document)



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1. Antenna performance

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

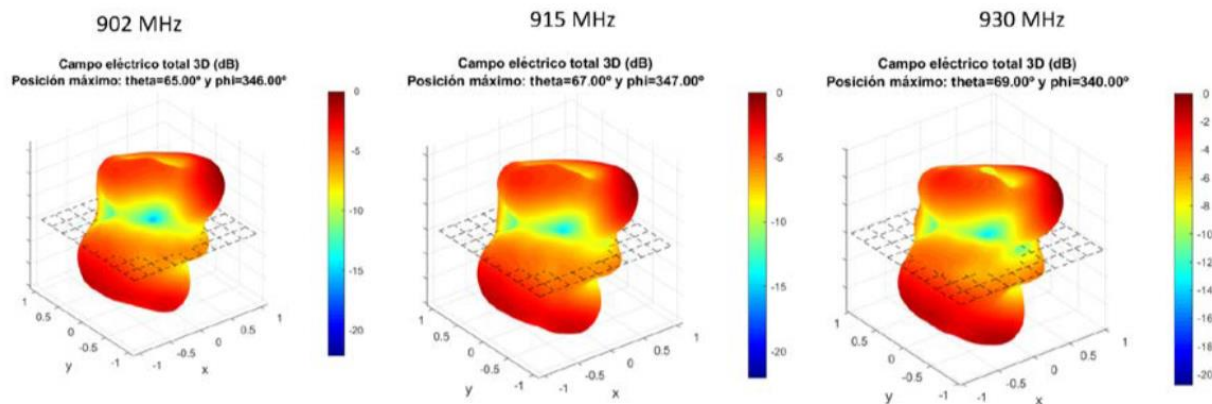
1.1. Antenna parameters

Antenna return loss (SWR) including matching network:

VSWR $\leq 2,7$ for frequencies comprised in the range 902 – 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. The Z-axis corresponds with the direction orthogonal to the surface of the device.



Peak antenna gain and directivity:

Frequency range (MHz)	Directivity (dB)	Gain (dBi)
902 - 928	4,5	0,18

2. Antenna manufacturer

KFB antenna manufacturer is the product EMS, S.C. Celestica Romania S.R.L.

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3. Antenna model number

Keyfob 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: Keyfob Antenna Datasheet – Confidential.pdf

If somehow a PN is needed to identify the antenna, it should be the PCB PN, SD0000112.