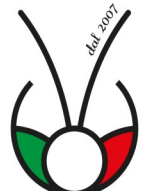


<p>ANT S.r.l. Via della Concordia, 4 – 37036 S. Martino B/A (VR) - Italia Tel. +39 045 8781380 Fax +39 045 8795335 e-mail: commerciale@antsrl.eu www.antsrl.eu</p>	<p style="text-align: center;">DESCRIPTION</p> <p style="text-align: center;">EMBEDDED ANTENNAS PCB antennas and helical antennas</p>	
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EMBEDDED ANTENNAS

For mere outward design reasons or, more often, due to the objective impossibility of employing external antennas, the demand for antennas embedded in devices is growing.

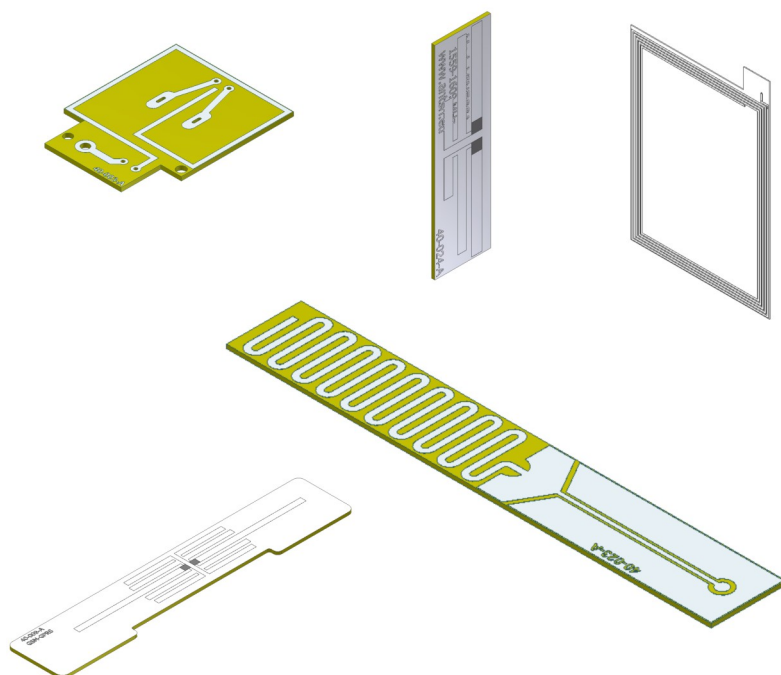
We can offer a wide range of solutions for these situations such as antennas on PCB board or designed in helical geometry out of copper or phosphor-bronze wire.

These antenna models are often mistakenly regarded as regular external models, it should be noted however that their performances are heavily influenced by any other metallic or plastic component in their proximity, so it is not uncommon to register serious loss in performance of the embedded antenna as opposed even to the performances of the same model placed externally.

To overcome these issues it becomes crucial to adjust the antenna to every specific device, by testing it inside the device itself, in its real operating location. The adjustment reduces the loss in performance thus enabling the device to work to its full potential with fewer transmission fails or interferences.

Below some examples of antennas designed directly with devices:

PCB antennas



helical antennas

