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Part : Br2-900 / RD900

Summary

This document will briefly cover the antenna design similarities between the Br2-900 and the RD900. The antennas are the same between the two products, as seen in the image below. The circuitry behind the antenna are virtually the same as well in both PCB layout and component values. The value for antenna gain of the RD900 (known tested at ~-5.2dBi) will represent the antenna gain on the Br2-900, to support FCC qualification.

Antenna length is designed at 16cm, and when installed extends ~15cm outside the PCBA. The wire gauge is 22AWG.

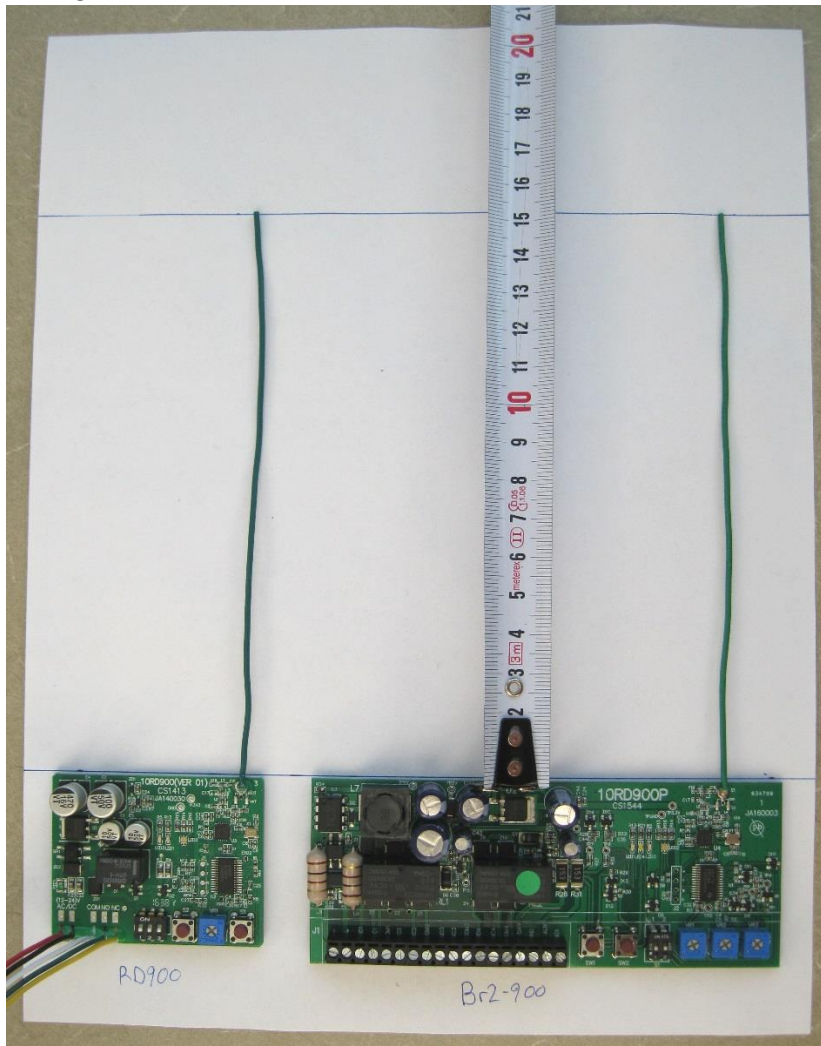


Figure 1: Overall antenna length comparison. RD900 (left), Br2-900 (right)

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