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**Certification and Engineering Bureau
Innovation, Science and Economic Development**

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Object: Antenna specifications of R1353IU - Slate3 - RAIN RFID Desktop Reader
IC: 10672A-R1353I

R1353IU RFID antenna is a circularly polarized microstrip patch antenna specially designed for this product.

Its characteristics are reported below:

Frequency Range	902÷928MHz
Polarization	Right Hand Circularly Polarized (RHCP)
Gain	-2.6dBi
Axial Ratio	1.5 dB
VSWR	< 1.5:1
Nominal Impedance	50Ω
Dimensions	(L) 214 x (W) 134 x (D) 2.0 mm ³
Connector	MHF with 200mm RF cable

Table 1: R1353IU RFID antenna technical specifications

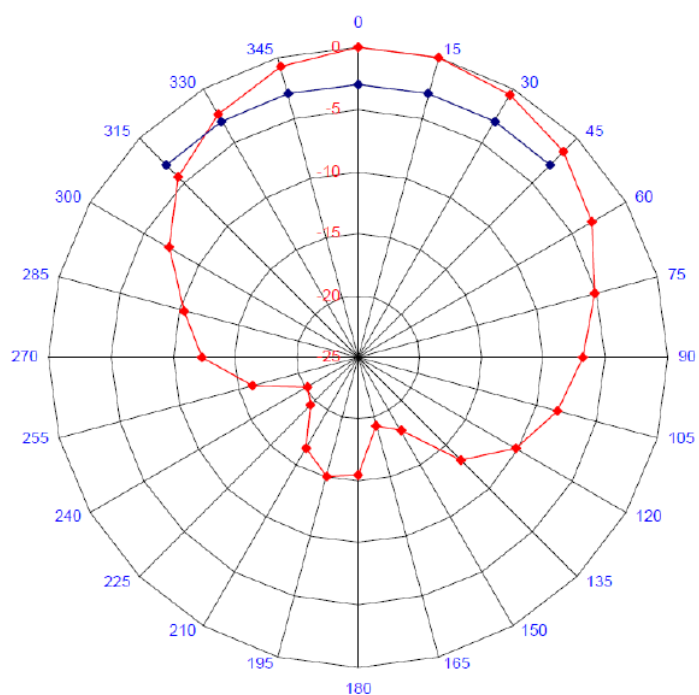


Fig. 1: R1353IU antenna radiation patterns – H plane

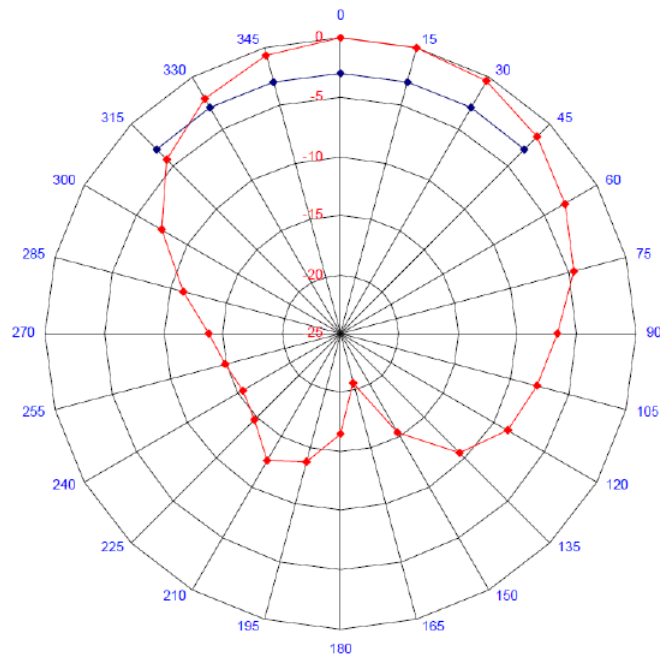


Fig. 2: R1353IU antenna radiation patterns – V plane

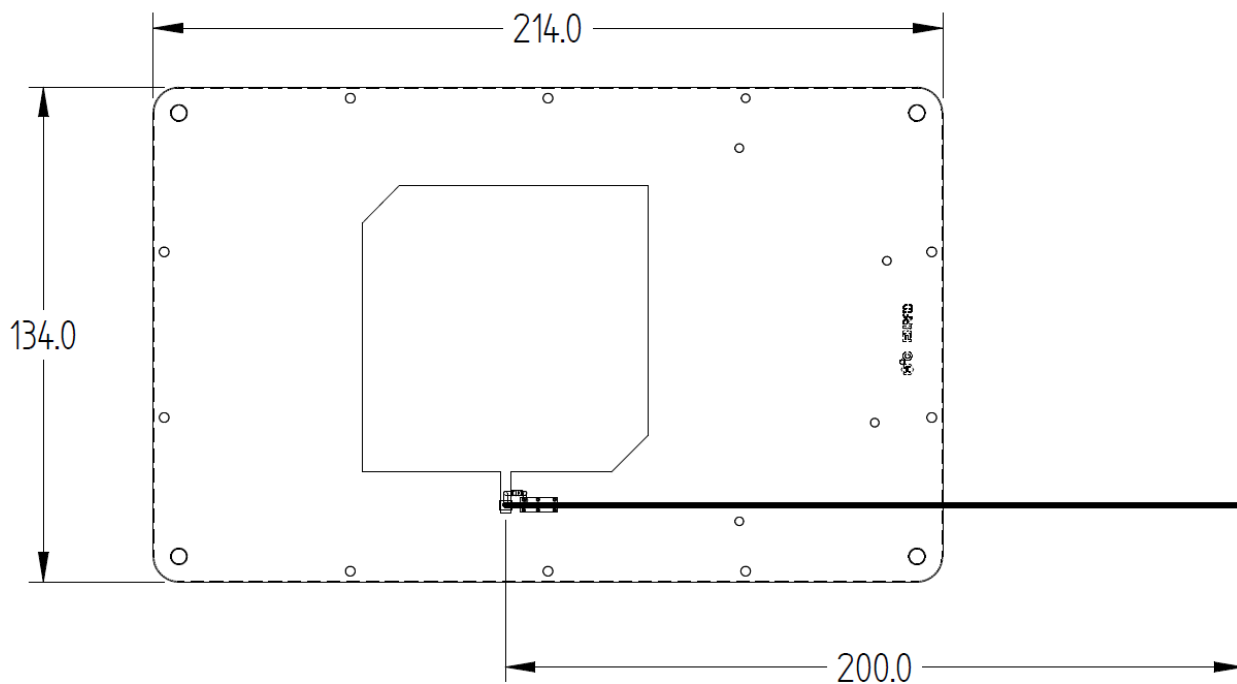


Fig. 3: R1353IU antenna mechanical drawings (units: mm)