External photos

900229.001 AirConnect Unit

900229.002 AirConnect Commander

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1 Equipment Under Test (EUT)

1.1 EUT Identification

KIWA Project Number	031/25
EUT description	Wireless communication bridge with mesh functionality, where serial communication is transferred between Air Connect devices (2.4 GHz)
Model	Air Connect Commander Air Connect Unit
Code	900229.001: Air Connect Unit 900229.002: Air Connect Commander
Serial number	250117-00001
Software release	V1.0
Size	80 x 55 x 34 [mm] excluding flanges and antenna
Manufacturer	Stoerk-Tronic, Stoerk GmbH & Co. KG
Supply voltage	12 VDC
Rated electrical power	0.6 W
Rated input current	50 mA
FCC ID	2BNLE-AIRCONNECT Contains FCC ID: 2AC7Z-ESPS3WROOM1U

Air Connect Commander and Air Connect Unit have the same PCB and the same components. They also use the same library to interface the RF module. The difference between the two products is only in the functional layer of the application (Unit is a Modbus master, while Commander is a Modbus slave).

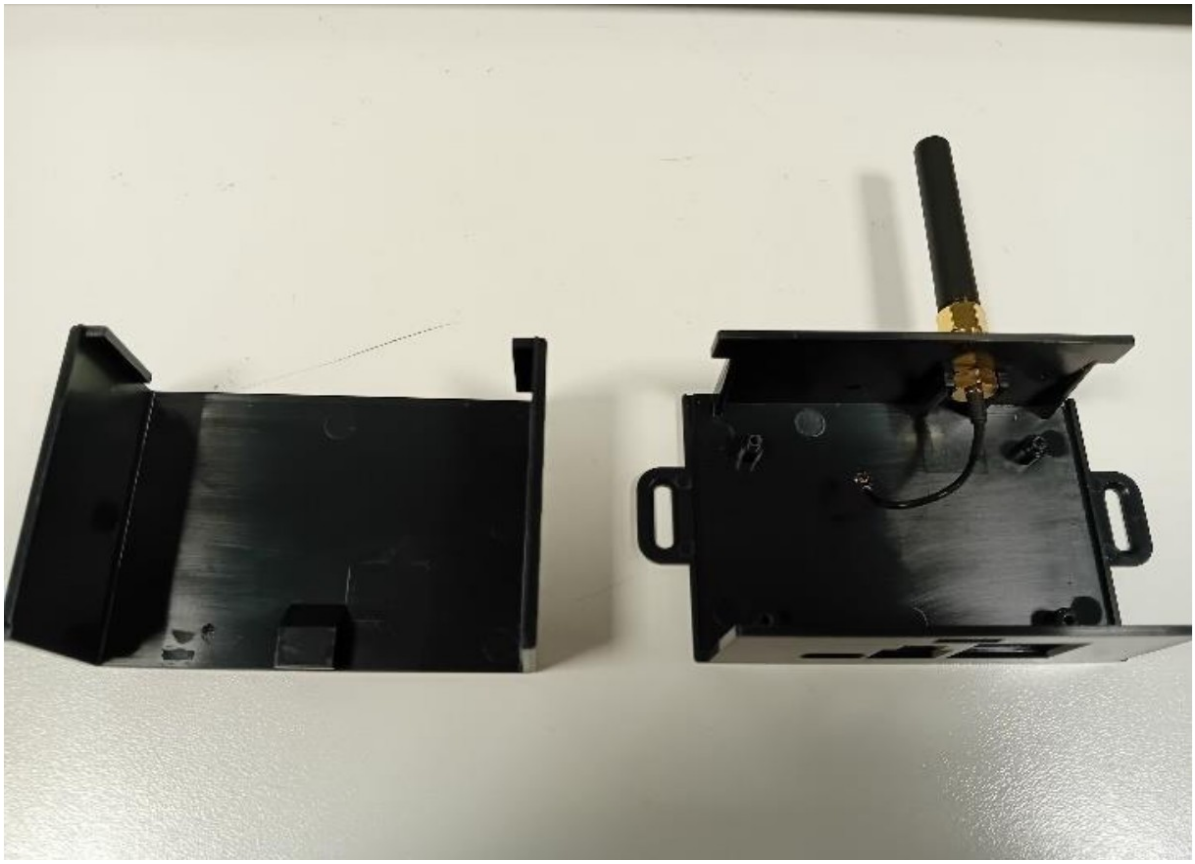
1.2 Closed Housing

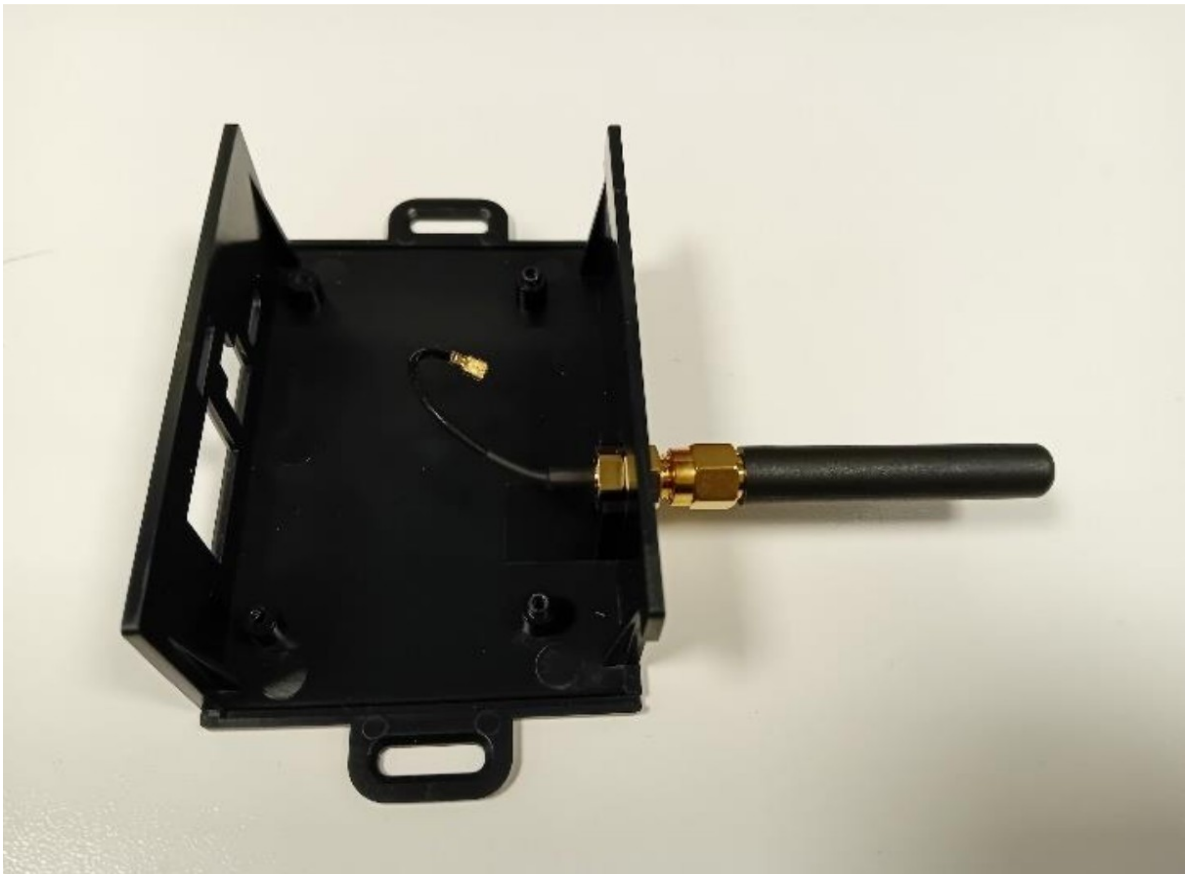
STATUS
AERIAL
COMMANDER
USBC
12v DC
DATA

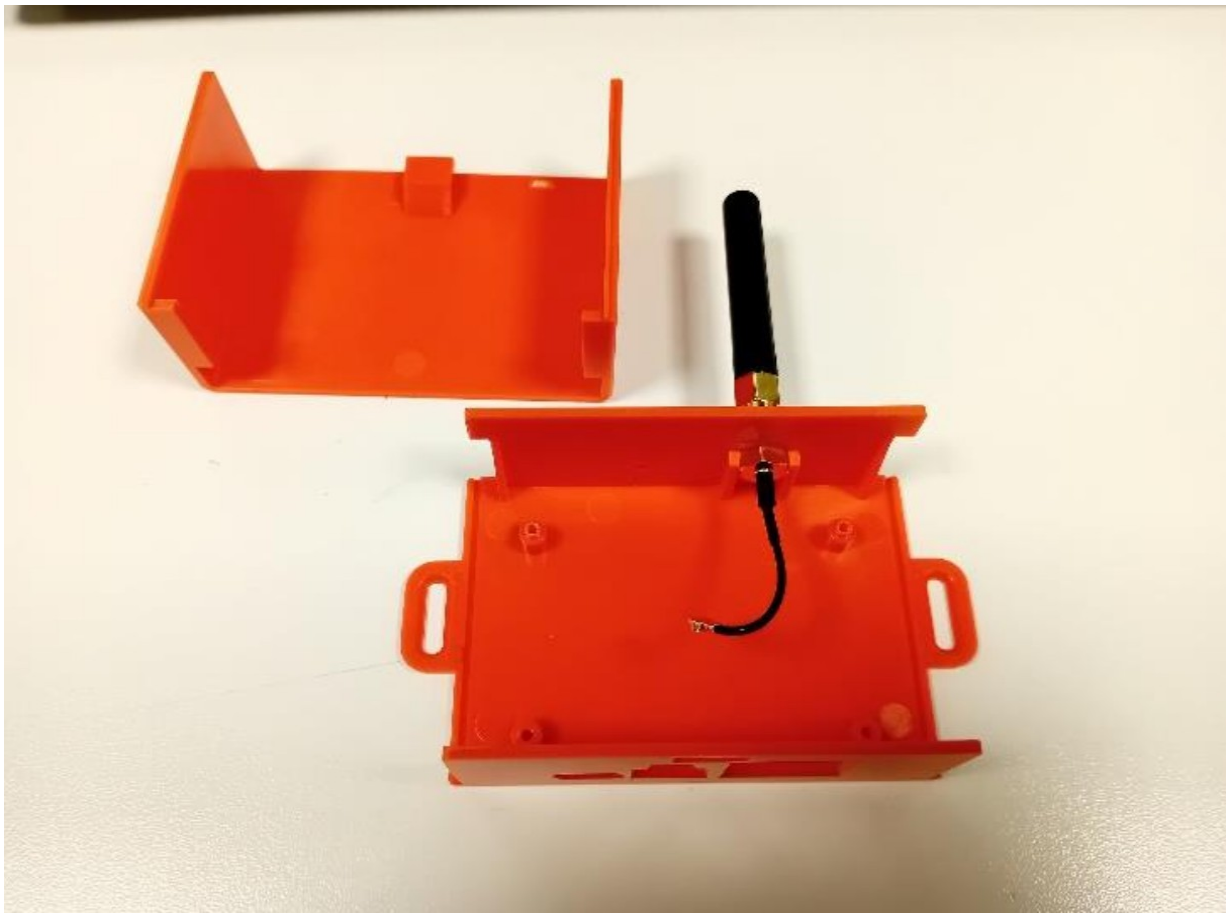
Air Connect
Commander
900229.002-250117-002
0 1 2 3 4 5 6 7

Air Connect
Commander
900229.002-250117-002

1.3 Open Housing







2 Auxiliary equipment

The auxiliary equipment AE1 used for test setup is a separate product called Commander Box. It is not part of the certification.