1 GENERAL

1.1 Equipment under test description

1.2 Equipment under test description

Near Field communications add-on board for the Raspberry Pi
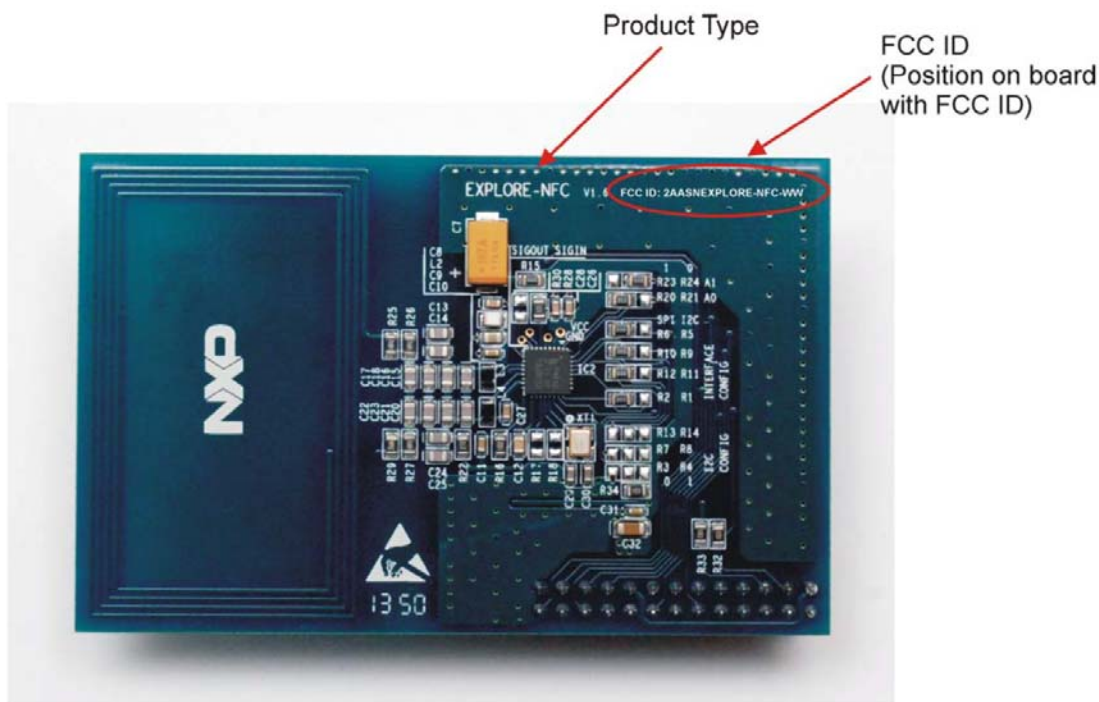Type: EXPLORE-NFC
Power supply: 5 V dc USB; powered thru AC/DC adapter
Protective class: III.

AC/DC Adapter: HN Power Germany, HNP06-050
For the testing Contactless card acc. to ISO-14443 type A was used. Reading distance was 1 cm.
For testing Raspberry Pi was used as an auxiliary device.

PCB Marking and Label for EXPLORE-NFC (v1.6) with FCC ID number:

- FCC ID: 2AASNEXPLORE-NFC-WW

1   EMISSION TESTS

1.1   *Conducted emission measurement (intentional radiator)*
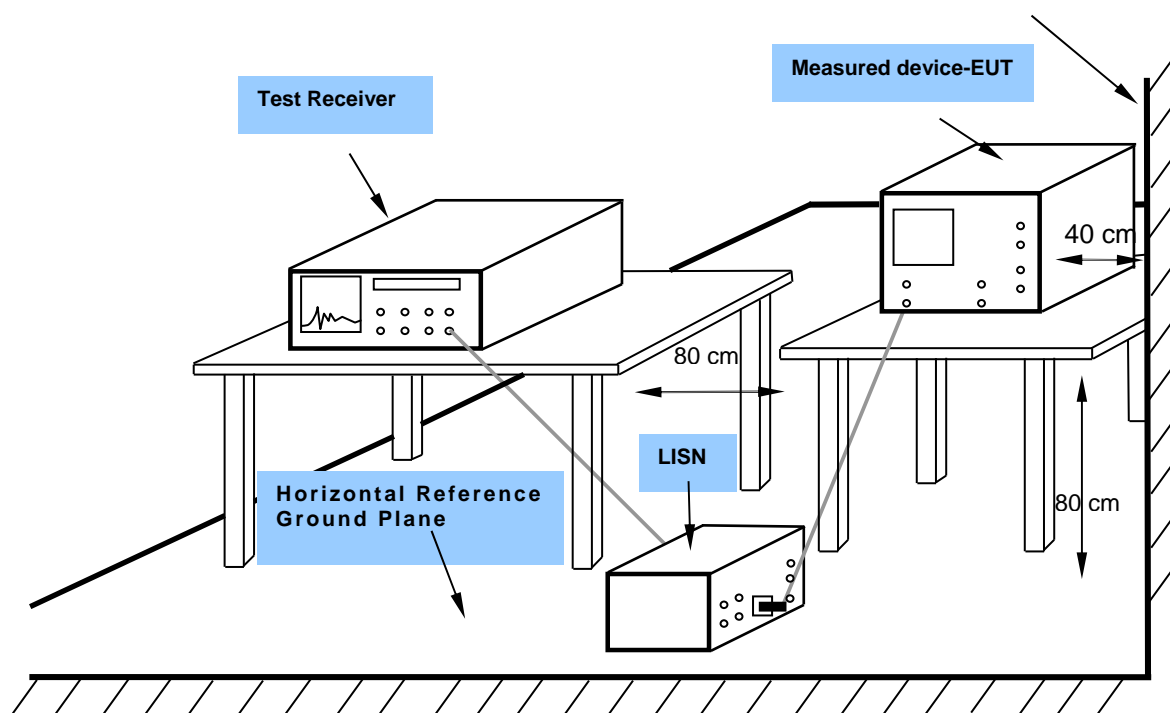
1.1.1   *Test setup*

Figure 1: Conducted emission test

1.1.2 Photos of the actual measurement place and EUT placement

Figure 2: Radiated emission test – 9kHz to 30MHz

Figure 3: Radiated emission test – 30MHz to 1GHz

Figure 4: Radiated emission test – 9kHz to 30MHz (retested on a 10 m distance)

Figure 5: Radiated emission test – 9kHz to 30MHz (setup on a 10 m distance)