

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

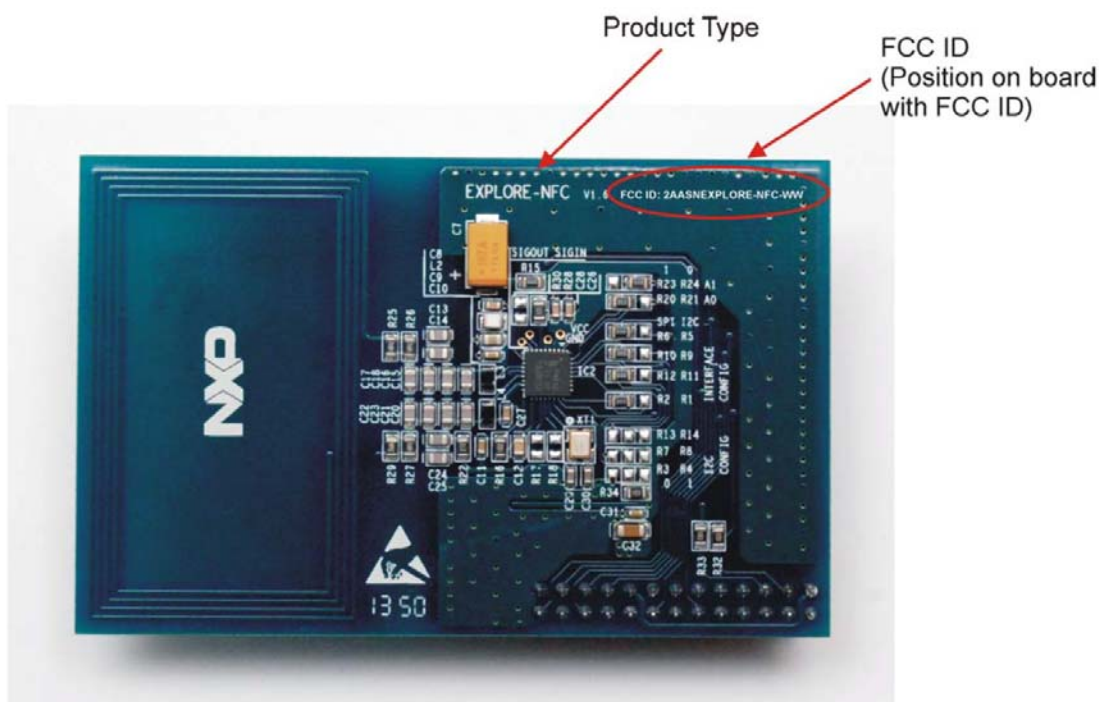
Power supply: 5 V dc USB; powered thru AC/DC adapter

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

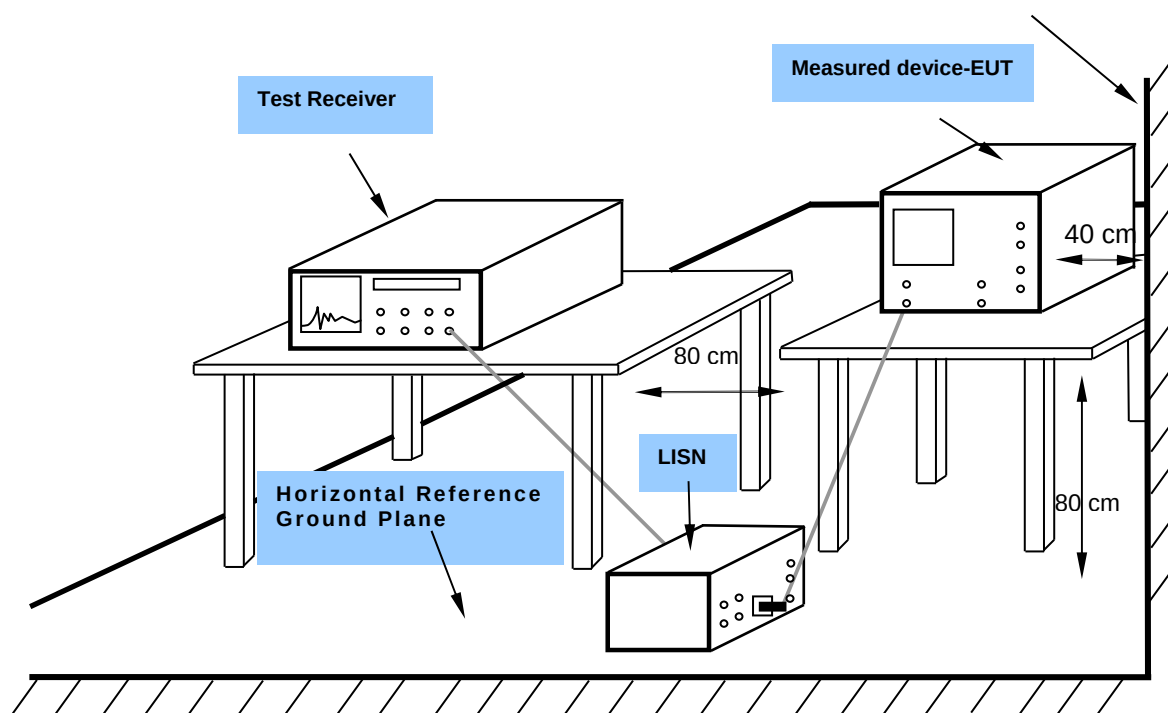


Figure 1: Conducted emission test

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)