## 5. RF EXPOSURE EVALUATION

## 5.1 FCC SAR test exclusion

## 5.1.1 Applicable Standard

According to KDB447498 D01 General RF Exposure Guidance v06: 4.3. General SAR test exclusion guidance

Report No.: CR230524715-00A

- c) For frequencies below 100 MHz, the following may be considered for SAR test exclusion (also illustrated in Appendix C):
- 1) For test separation distances > 50 mm and < 200 mm, the power threshold at the corresponding test separation distance at 100 MHz in step b) is multiplied by  $[1 + \log(100/f(MHz))]$
- 2) For test separation distances  $\leq$  50 mm, the power threshold determined by the equation in c) 1) for 50 mm and 100 MHz is multiplied by  $\frac{1}{2}$
- 3) SAR measurement procedures are not established below 100 MHz

## **5.1.2 Measurement Result**

For NFC, the power of EUT: E Field@3m is 70.12dBuV/m = -25.08 dBm(0.003mW) Note: E[dB $\mu$ V/m] = EIRP[dBm] + 95.2 for d = 3 m.

SAR test exclusion threshold for NFC(13.56MHz) separation distance < 50mm

=[474\*(1 + log(100/f(MHz)))]/2

 $= 443 \,\mathrm{mW}$ 

>0.003mW

Result: Compliant. The stand-alone SAR test is not necessary.