FCC ID: XDQN96-02

According to KDB 447498 D01 General RF Exposure Guidance v06, section 4.3.1

SAR Test Exclusion Threshold for < 100 MHz and < 200 mm as per Appendix C

SAR exclusion for 100 MHz at 50 mm is 237 mW.

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))]

$$237 * [1 + \log(100/f(13.56))]=422 \text{ mW}$$

2) For test separation distances ≤ 50 mm, the power threshold determined by the equation in c) 1) for 50 mm and 100 MHz is multiplied by ½

$$422 *(1/2)=221\text{mW}$$

1. SAR test exclusion threshold
Frequency: 13.56 MHz, test separation distances ≤ 50 mm.

Max. Tune-up Tolerance (mW)	SAR Test Exclusion Thresholds (mW)
0.02	221

Remark:
-Based on field strength 78.27 dBuV/m at 3m transmit power(eirp) of the device was calculated as 0.02 mW using free space formula.
3m result(dBuV/m) = 30m result(dBuV/m) +40 = 38.27+40= 78.27 dBuV/m

2. Conclusion: No SAR is required.