SAR test exclusion

According to KDB 447498 D01 General RF Exposure Guidance v05, section 4.3.1

At 100 ㎒ to 6 ㎓ and for test separation distances ≤ 50 mm, the SAR test exclusion threshold is

determined according to the following;

a) [(max. power of channel, including tune-up tolerance, ㎽) / (min. test separation distance, mm)]
   x [√f(GHz)] ≤ 3.0

1. SAR test exclusion threshold

Frequency : 2 475 ㎒ (min. separation distances = 5 mm)

SAR test exclusion thresholds(5 mm) = [(0.32 / 5) * √2.405] = 0.0992 ≤ 3.0.

Mode	Frequency (MHz)	Tune up output Power (dBm)	Measured max output Power (dBm)	Separation Distance (mm)	≤ 3.0
DSSS	2 405	−7.0±2	−5.56	5	0.0993
DSSS	2 440	−7.0±2	−6.18	5	0.1000
DSSS	2 475	−7.0±2	−6.51	5	0.1007

[Tune up power, dBm] = [Target power, dBm ± tune up tolerance, dBm)]
Maximum tuned up power = (−7.0 dBm ± 2 dBm) = −5.0 dBm = 0.32 mW
Measured max output power = −5.56 dBm

2. Conclusion : SRD (DSSS) SAR was not required

Note : This EUT of RFID does not exceed for Appendix C of KDB 447498.