SAR test exclusion

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

At 100 Mb to 6 Gb and for test separation distances \leq 50 mm, the SAR test exclusion threshold is determined according to the following;

a) [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] $x [\sqrt{f(GHz)}] \le 3.0$

1. SAR test exclusion threshold

Frequency: 2462 Mb (min. separation distances = 5 mm)

SAR test exclusion thresholds(5 mm) = $[(7.39 / 5) * \sqrt{2.412}] = 2.295 \le 3$

Mode	Frequency (MHz)	Tune up output Power (dBm)	Measured max output power (dBm)	Separation Distance (mm)	≤ 3.0
802.11n	2412	8.80	8.69	5	2.30
802.11n	2436	8.80	7.93	5	1.93
802.11n	2462	8.80	6.81	5	1.49

[Tune up power, dBm] = [Target power, dBm ± tune-up tolerance, dBm)]

Maximum tuned up power = (8.80 dBm ± 1 dBm) = 9.8 dBm = 9.5 mW

Measured max output power = 8.69 dBm

2. Conclusion: WL SAR was not required