

RF exposure information

According to KDB 447498 D01 General RF Exposure Guidance v05r02, section 4.3.1

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

$$1) \quad \left[\frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$

1. SAR test exclusion threshold

Frequency : 915 MHz, min. separation distances : 20 mm,

Max. power with turn-up tolerance : 50.1 mW (typ 16 dBm ± 1 dB)

$$\left[\frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \cdot [\sqrt{f(\text{GHz})}] \\ = 2.40$$

The SAR test exclusion calculation is consistent with the procedure described in 4.3.1.

And note that the actual measured maximum power is 24mW, So the device meets the SAR exclusions by a larger margin than indicated in the KDB.

2. Conclusion : No SAR is required.