

RF exposure information for SAR test exclusion

The Wireless Dongle is classified as portable.

The Wireless Dongle operating according to FCC part 15 subpart C section 15.247 (FHSS).

Maximum measurement transmitter power obtained from Test Report according to FCC part 15 subpart C section 15.247 (DTS):

P _{out} EIRP		Maximum antenna gain, dBi	P _{out} conducted	
dBm	mW		dBm	mW
15.67	36.89	3*	12.67	18.49

*According to data sheet provided by manufacturer the max antenna gain uses with Wireless Dongle is 3dBi

According to KDB 447498 D01 v06 section 4.3.1 the exemption limit for 100 MHz to 6 GHz at \leq 5 mm distance is determined as follow:

$$[(\text{max. power including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}]$$

$$\leq 7.5 \text{ for 10-g extremity SAR}$$

SAR test exclusion threshold for frequency 912.77 MHz at minimum separation distance of 5 mm:

$$7.5 \times 5 \text{ mm} / (\sqrt{0.9127}) = 39.26 \text{ mW}$$

According to KDB 447498 D01 v05r02 the device is excluded from SAR evaluation.