RF Exposure Report

1. RF Exposure Evaluation of EUT

1.1. Exposure conditions for standalone operations

Antenna Gain: 1.86 dBi
Max. transmitting Frequency: 2402 MHz (Lowest channel)
Min. test separation distance: 0
Max. Power with tune up tolerance: 2 dBm = -9 mW (Typical Power = Max 2 dBm)

KDB 447498 D01 clasue 4.3.1

Step 1) SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 5 mm

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1g SAR and ≤ 7.5 for 10g extremity SAR

Type of Modulation	Frequency [MHz]	Output Power [dBm]	Target Power [dBm]	Allowed Tolerance [dB]	Max tune Up power [dBm]	Max tune Up Power [mW]	Separation Distance [mm]	RF exposure	Limit
Beacon	2 402	-13.48	-11	± 2	-9	0.13	5	2.19	3
	2 426	-12.93	-11	± 2	-9	0.13	5	2.21	3
	2 480	-11.62	-11	± 2	-9	0.13	5	2.23	3

= [(0.13 mW / 5 mm)] X [√2.480GHz] = 2.23

➔ SAR evaluation for general population exposure conditions by measurement or numerical simulation is not required.