Analysis Report

The equipment under test (EUT) is wireless adaptor with 2.4G wireless function operating in 2403.35-2479.35MHz. The EUT is powered by DC5.0V via USB host unit. For more detail information pls. refer to the user manual.

Modulation Type: π/4DQPSK

Antenna Type: Integral antenna (Gain: 2 dBi)

The nominal conducted output power specified: -6dBm (Tolerance: +/- 3dB) The nominal radiated output power (e.i.r.p) specified: -4dBm (Tolerance: +/-3dB)

According to the KDB 447498:

The maximum radiated emission for the EUT is 90.4 dBµV/m at 3m in the frequency 2.44135GHz

= [(FS*D) ^2 / 30] mW

= -4.8 dBm which is within the production variation.

The minimum radiated emission for the EUT is $88.8dB\mu V/m$ at 3m in the frequency 2.40335GHz = [(FS*D) ^2 / 30] mW

= -6.4dBm which is within the production variation.

The maximum conducted output power specified is -3.0 dBm = 0.50mW The source- based time-averaging conducted output power = 0.50 * Duty cycle mW= 0.50 mW (Duty Cycle<=100%)

The SAR Exclusion Threshold Level: = 3.0 * (min. test separation distance, mm) / sqrt(freq. in GHz) = 3.0 * 5 / sqrt (2.47935) mW = 9.5 mW

Since the source-based time-averaging conducted output power is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.