

Analysis Report

The Equipment Under Test (EUT) is a Transceiver (USB Dongle) for presenter operating from 2404-2478MHz with 1MHz channel spacing. The EUT is powered by 5VDC by USB port. After plugged the EUT to computer and paired with Presenter, the computer can be controlled for "Previous Page", "Next Page", "Scrolls Up/Down" by Presenter through EUT.

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength: 98.1dB μ V/m at 3m

Maximum allowed field strength of production tolerance: +/- 3dB

According to the KDB 447498:

Based on the Maximum allowed field strength of production tolerance was 101.1dB μ V/m at 3m in frequency 2.4GHz, thus;

The EIRP = $[(FS * D)^2 * 1000 / 30] = 3.865\text{mw}$

Conducted power = Radiated Power (EIRP) – Antenna Gain

So;

Conducted Power = 3.865mW.

The SAR Exclusion Threshold Level:

= $3.0 * (\text{min. test separation distance, mm}) / \text{sqrt}(\text{freq. in}$

GHz) = $3.0 * 5 / \text{sqrt}(2.475) \text{ mW}$

= 9.53 mW

Since the above conducted output power is well below the SAR Exclusion threshold level, so the EUT is considered to comply with SAR requirement without testing.