

Analysis Report

The Equipment Under Test (Model: RTX7310) is a 2.4GHz Module which is operating at frequency range of 2407MHz to 2477MHz with 71 channels (1MHz channel spacing). It is intended to be used as short-range radio communication for embedded application inside a host. The EUT is powered by the host (3.3VDC).

According to the KDB 447498:

Max Conducted Power = 4dBm = 2.51mW.

The SAR Exclusion Threshold Level:
= $3.0 * (\text{min. test separation distance, mm}) / \text{sqrt}(\text{freq. in GHz})$
= $3.0 * 5 / \text{sqrt}(2.480)$ 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.