

EXHIBIT C - RF EXPOSURE EVALUATION

Applicable Standard

According to §15.407(f) and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$
 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Measurement Result

For 5150-5250MHz:

The max conducted power including tune-up tolerance is 8.1dBm (6.46 mW).

$$\left[\frac{\text{max. power of channel, mW}}{\text{min. test separation distance, mm}} \right] [\sqrt{f(\text{GHz})}] = 6.46/5 \cdot (\sqrt{5.24}) = 2.96 < 3.0$$

For 5250-5350MHz:

The max conducted power including tune-up tolerance is 8.1dBm (6.46 mW).

$$\left[\frac{\text{max. power of channel, mW}}{\text{min. test separation distance, mm}} \right] [\sqrt{f(\text{GHz})}] = 6.46/5 \cdot (\sqrt{5.32}) = 2.98 < 3.0$$

For 5470-5725MHz:

The max conducted power including tune-up tolerance is 7.9dBm (6.17 mW).

$$\left[\frac{\text{max. power of channel, mW}}{\text{min. test separation distance, mm}} \right] [\sqrt{f(\text{GHz})}] = 6.17/5 \cdot (\sqrt{5.70}) = 2.94 < 3.0$$

For 5725-5850MHz:

The max conducted power including tune-up tolerance is 7.9dBm (6.17 mW).

$$\left[\frac{\text{max. power of channel, mW}}{\text{min. test separation distance, mm}} \right] [\sqrt{f(\text{GHz})}] = 6.17/5 \cdot (\sqrt{5.825}) = 2.98 < 3.0$$

Note: the max conducted power including tune-up tolerance was declared by manufacturer.

Result: Compliant. The stand-alone SAR evaluation is not necessary.

***** END OF REPORT *****