

FCC ID: NLB24016TX

**Maximum transmitter power:**

Frequency (GHz)	Maximum peak output power (dBuV/m)	Output power (mW)
2.408	106.27	12.7093
2.441	107.25	15.9265
2.474	106.95	14.8635

**For FCC**

According to KDB 447498 D01:

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:

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

- f(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

**Result:**

Due to radio operates with a mechanical PTT button and according to KDB 447498 v05r02 section 6, 50% duty factor applies before calculation.

Frequency (GHz)	Output power (mW)
2.408	6.3546
2.441	7.9633
2.474	7.4318

$$(6.3546/5) \cdot \sqrt{2.408} = 1.9722 < 3.0$$

$$(7.9633/5) \cdot \sqrt{2.441} = 2.4883 < 3.0$$

$$(7.4318/5) \cdot \sqrt{2.474} = 2.3379 < 3.0$$

**Conclusion:**

No SAR is required.