

RF Exposure Evaluation

REQUIREMENT

KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$

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 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 4.1 f) is applied to determine SAR test exclusion.

TEST RESULT

☒ **Passed** ☐ **Not Applicable**

Frequency(MHz)	Maximum conducted output power(dBm)	Power Density (mW/cm2)	Limit (mW/cm2)	Result
2441	1.79	0.4719	1.0000	Pass

Note:

- 1) The maximum antenna gain is 0dBi
- 2) The exposure safety distance is less than 5mm.
- 3) $EIRP(dBm)=E(dBuV/m)+20log(d)-104.77=E(dBuV/m)-95.2$
- 4) The distance d is 3m