

# 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  $\leq 50$  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**

According to RF test report, the results are as follow:

| Channel (MHz) | Max output Power (mW) | Test Distance (mm) | Test data | Limit | Result |
|---------------|-----------------------|--------------------|-----------|-------|--------|
| 462.5625      | 1.53                  | 5                  | 0.14      | 3     | Pass   |

Note:

tune-up tolerance=1dB

$$\text{Max output Power (mW)} = 10^{(\text{Measured ERP(dBm)} + \text{tune-up tolerance})/10}$$