

# RF Exposure Evaluation

## REQUIREMENT

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

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 7.5$$

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**

| Type   | Conducted Average Power (dBm) | Maximum Tune-up (dBm) | Calculating data | Limit | Result |
|--------|-------------------------------|-----------------------|------------------|-------|--------|
| BT BLE | -2.33                         | -2.00                 | 0.1971           | 7.5   | Pass   |

Note:

- 1) The maximum antenna gain is 3dBi
- 2) The exposure evaluation safety distance is 5mm.