

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**

BLE				
Frequency(KHz)	Maximum Output Power (dBm)	Calculating data	Limit	Result
2402	3.85	0.75	3.00	Pass
2440	7.25	1.66	3.00	Pass
2480	5.81	1.20	3.00	Pass

EDR				
Frequency(KHz)	Maximum Output Power (dBm)	Calculating data	Limit	Result
2402	3.88	0.76	3.00	Pass
2441	3.80	0.75	3.00	Pass
2480	4.31	0.85	3.00	Pass

Note:

- 1) The maximum antenna gain is 0dBi
- 2) The exposure safety distance is less than 0mm.