

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**

Channel (MHz)	Tune up power(dBm)
2402	-12 ~ -4
2440	-12 ~ -4
2480	-12 ~ -4

Channel (MHz)	Max. tune-up Power (dBm)	Max. tune-up Power (mW)	Test Distance (mm)	Test data	Limit	Result
2402	-1.5	0.71	5	0.22	<3	Pass
2440	-1.5	0.71	5	0.22	<3	Pass
2480	-1.5	0.71	5	0.22	<3	Pass

Note:

the below information is declared by the applicant,

1) *Antenna Gain= 2.5dBi. Max. tune-up Power = Tune up power + Antenna Gain*

2) *The exposure safety distance is 5mm.*