

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

Frequency range (MHz)	H-field strength (dBuV/m)	H-field strength (dBm)	H-field strength (mW)	Limit	Result
2410-2470	98.82	3.62	2	7.5	Pass

Note:

- 1) The maximum antenna gain is 1dBi
- 2) The exposure evaluation safety distance is 0mm.
- 3) $(\text{dBm}) = E(\text{dBuV/m}) + 20\log(d) - 104.77 = E(\text{dBuV/m}) - 95.2$