

Statement of compliance to SAR

According to **KDB 447498D01(v06)**, the following exclusion for portable devices:

The 1g and 10g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHz})} \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,

Where:

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz;
- Power and distance are rounded to the nearest mW and mm before calculation;
- The result is rounded to one decimal place for comparison;

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 is applied to determine SAR test exclusion.

According the Test Report 160100268SHA-001 and 160100268SHA-002:

Maximum transmitter power:

Frequency (MHz)	Maximum peak output power (dBm)	Output power(mW)
2402	-1.134	0.77
2440	-0.417	0.91
2480	3.008	2.00

Distance = 5 mm (minimum separation distance: 5 mm was used in the calculation)

Result:

$$(0.77/5) \cdot \sqrt{2.402} = 0.239 < 3.0$$

$$(0.91/5) \cdot \sqrt{2.440} = 0.284 < 3.0$$

$$(2.00/5) \cdot \sqrt{2.480} = 0.630 < 3.0$$

Conclusion:

The SAR requirement is deemed to be satisfied without test.