

The device has a standalone transmission.

According to KDB 447498 D01 General RF Exposure Guidance v0.5 The 1-g and 10-g SAR test exclusion thresholds for 100MHz to 6GHz 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

Worse case is as below: [2405.5MHz 17.57dBm(57.148mW) output power]

$(57.148\text{mW}/45\text{mm}) \cdot [\sqrt{2.4055} (\text{GHz})] = 1.970 < 7.5$ for 10-g SAR

Then SAR evaluation is not required.

