

FCC ID: MG3-TX520U

According to KDB 447498 section 4.3.1, the 1-g SAR test exclusion thresholds at test separation distance ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$

The tune-up power is 7.50 dBm +/- 0dB, therefore the highest tune-up power is 5.78 dBm (3.78 mW) @ 2480 MHz

When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

So,

$(3.78\text{mW} / 5\text{mm}) * (2.480\text{GHz} ^{0.5}) = 1.2$

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] = 1.2 < 3.0$

Therefore, standalone SAR measurements are not required for both head and body.

Note:

1. The tune up power referred the AVG power of the test report T200909W01-RP for SAR test exclusion purpose.