

SAR Test Exclusion

Equipment under test: Industrial battery controller with connection ZIGBEE (2.4Ghz)

Test report reference: RC-032-PTE-15-101520-1-A

SAR Test Exclusion calculation

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm the 1-g and 10-g SAR test exclusion thresholds are determined by the following:.

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

Where: power (mW)
 Distance (mm)

Calculation:

(Calculated for max power)

Max power : -4 dBm (0.4mW) for f=2405 MHz

Calculated at distance ≤ 5 mm:

SAR Test Exclusion = 0.12 mW

Limit: 10mW

see table Appendix A of 447498 D01 General RF Exposure Guidance v06

