



RF Exposure Analysis

FCC ID:2ATRMPR0D053

Analysis for FCC portable use

Standalone SAR test exclusion considerations are defined in KDB 447498D01 (v06) Chapter 4.3.1 where the 1-g head or body and 10-g extremity SAR exclusion threshold is defined by the following formula:

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

- $f(\text{GHz})$ 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

For the PR0D053 the maximum conducted output power is +0.5dBm (1.12mW)

Applying the above data using the given KDB 447498 D01 formula, and minimum separation distance of 5mm, the following results:

$(1.12\text{mW} / 5 \text{ mm}) * \sqrt{2.43 \text{ GHz}} = 0.35$ (i.e.: ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR)

This demonstrates the PR0D053 meets the criteria for 1-g head/ body and 10-g extremity SAR test exemption.

Signature:

A handwritten signature in black ink, appearing to read 'H' or 'H. J. H.'.

Date: 22/01/2020