

# RF Exposure

## 1.0 INTRODUCTION

These calculations are based on the highest ERP possible from the EUT, measured in the radiated mode.

The highest EIRP of the EUT is less than 1 mW.

## 2.0 FCC RF EXPOSURE COMPLIANCE RESULT:

In accordance with FCC KDB Publication 447498 D01 V06 Clause 4.3.1, b) 1)

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

For transmit frequencies below 100 MHz:

In accordance with FCC KDB Publication 447498 D01 V05R02 Clause 4.3.1 c), 1)

For *test separation distances* >50 mm and <200 mm, the power threshold at the corresponding test separation distance at 100 MHz in section 4.3.1 step b) is multiplied by  $[1 + \log(100/f_{(MHz)})]$

This table is for devices with a separation greater than 50 mm

| MHz   | Max Power dBm | Duty Cycle % | EUT EIRP mW | Min Sep mm | SAR Exc Threshold at 50mm 4.3.1 a) in mW | SAR Exclusion threshold per 4.3.1 b)1) in mW | SAR Exclusion threshold per 4.3.1 c) 1) in mW | Result | Notes |
|-------|---------------|--------------|-------------|------------|--|--|---|--------|-------|
| 13.56 | -22.3         | 100.0        | 0.0059      | 200        | 474.3                                    | 574.3  | 1072.7  | Exempt | Peak  |
| 0.125 | -14.8         | 101.0        | 0.0334      | 200        | 474.3                                    | 574.3  | 2241.7  | Exempt | Peak  |

EUT EIRP << SAR exclusion threshold per 4.3.1 c) 1)