

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 $[1 + \log(100/f_{\text{(MHz)}})]$

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)