

RF Exposure Report

SAR Test Exclusion Threshold is determined according to FCC KDB 447498 D 01 General RF Exposure Guidance v06

1 SAR Test Exclusion Threshold for 100MHz – 6GHz and ≤ 50mm

| MHz | 5 | 10 | 15 | 20 | 25 | mm |
|------|----|----|-----|-----|-----|---|
| 150 | 39 | 77 | 116 | 155 | 194 | SAR Test Exclusion Threshold (mW) |
| 300 | 27 | 55 | 82 | 110 | 137 | |
| 450 | 22 | 45 | 67 | 89 | 112 | |
| 835 | 16 | 33 | 49 | 66 | 82 | |
| 900 | 16 | 32 | 47 | 63 | 79 | |
| 1500 | 12 | 24 | 37 | 49 | 61 | |
| 1900 | 11 | 22 | 33 | 44 | 54 | |
| 2450 | 10 | 19 | 29 | 38 | 48 | |
| 3600 | 8 | 16 | 24 | 32 | 40 | |
| 5200 | 7 | 13 | 20 | 26 | 33 | |
| 5400 | 6 | 13 | 19 | 26 | 32 | |
| 5800 | 6 | 12 | 19 | 25 | 31 | |

The above Threshold limit is given in Appendix A of KDB 447498 D01.

The above test exclusion are applicable only when minimum test separation distance is ≤ 50mm and for transmission frequency between 100MHz to 6GHz. When minimum test separation distance is <5mm, a separation distance of 5mm is applied to calculate SAR test exclusion as per clause 4.3.1(a) of KDB 447498 D01.

2 SAR Test Exclusion Evaluation Results

Measured Transmitter Power: 2.949dBm

Antenna Gain= 1.858dBi

Tune up value= 1.5dB

Maximum Power= 2.949+1.858= 4.807dBm

Maximum Power including tune up value = 4.807+1.5= 6.307dBm

| Frequency (GHz) | Max.Power including Tune up value (mW) | Min.Test Separation distance | 1-g Extremity SAR Test Exclusion Power Thresholds (mW) |
|-----------------|--|------------------------------|--|
| 0.315 | 4.272 | 5mm | 27 |

Maximum power of the device is < 27mw for separation distance of 5mm.

Hence, the EUT is exempted from routine SAR evaluation.

3 Reference Image:

Minimum Separation distance = 3.42mm.

