

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 \leq 50mm

| MHz | 5 | 10 | 15 | 20 | 25 | mm |
|------|----|----|-----|-----|-----|--|
| 150 | 39 | 77 | 116 | 155 | 194 | <i>SAR Test Exclusion Threshold (mW)</i> |
| 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 \leq 50mm and for transmission frequency between 100MHz to 6GHz. When minimum test separation distance is <5 mm, 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= $2.949+1.858= 4.807$ dBm

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

| 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 < 27 mw for separation distance of 5mm.
 Hence, the EUT is exempted from routine SAR evaluation.

3 Reference Image:

Minimum Separation distance = 3.42mm.

