



RF Exposure evaluation for portable use

Model: **ISP1507**

FCC ID: **2AAQS-ISP1507**

Appendix A

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

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table. The equation and threshold in 4.3.1 must be applied to determine SAR test exclusion.

| 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 | |

Note: 10-g Extremity SAR Test Exclusion Power Thresholds are 2.5 times higher than the 1-g SAR Test Exclusion Thresholds indicated above. These thresholds do not apply, by extrapolation or other means, to occupational exposure limits.

ISP1302 Peak output power = -1.3 dBm = 0.7 mW

Antenna gain = 0.6 dBi (numerical = 1.1482)

EIRP = $0.7 \times 1.1482 = 0.804$ mW

Separation distance = 5 mm

$2.402 \text{ GHz} < f < 2.480 \text{ GHz}$ (where f is the frequency)

SAR test exclusion thresholds are determined by the following: $(0.804 / 5) \times \text{sqrt}(2.402) = 0.25 < 3.0$ for 1-g SAR. (4.3.1 (a) of KDB 447498 D01 General RF Exposure Guidance v06)

Yours sincerely,

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