

RF exposure

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 № to 6 № at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]

 $\cdot [\sqrt{f(\mathbb{G}_{2})}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,

Where;

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest $\, \mathrm{m\!W} \,$ and $\, mm \,$ before calculation

The result is rounded to one decimal place for comparison

Results - Wi-Fi

- 802.11b

| | 00 | | | | | |
|--|---------------|------------------|-------------------------|------|-------------|-----------|
| | Frequency (趾) | Distance (mm) | Max tune-up power (dBm) | | Calculation | Exclusion |
| | | | (dBm) | (mW) | value | Threshold |
| | 2.412 | 5 | 4.0 | 3.0 | 1.0 | ≤3.0 |
| | 2.437 | 5 | 6.0 | 4.0 | 1.3 | ≤3.0 |
| | 2.462 | 5 | 6.0 | 4.0 | 1.3 | ≤3.0 |

- 802.11a

| | 00=9 | | | | | |
|--|---------------|------------------|-------------------------|------|-------------|-----------|
| | Frequency (趾) | Distance (mm) | Max tune-up power (dBm) | | Calculation | Exclusion |
| | | | (dB m) | (mW) | value | Threshold |
| | 2.412 | 5 | 6.0 | 4.0 | 1.2 | ≤3.0 |
| | 2.437 | 5 | 6.0 | 4.0 | 1.3 | ≤3.0 |
| | 2.462 | 5 | 6.0 | 4.0 | 1.3 | ≤3.0 |

- 802.11n(HT20)

| | 00=::::(:::=0) | | | | | |
|--|----------------|------------------|-------------------------|------|-------------|-----------|
| | Frequency (趾) | Distance (mm) | Max tune-up power (dBm) | | Calculation | Exclusion |
| | | | (dB m) | (mW) | value | Threshold |
| | 2.412 | 5 | 6.0 | 4.0 | 1.2 | ≤3.0 |
| | 2.437 | 5 | 6.0 | 4.0 | 1.3 | ≤3.0 |
| | 2.462 | 5 | 6.0 | 4.0 | 1.3 | ≤3.0 |

- 802.11n(HT40)

| Eroguepov (Oly) | Distance (mm) | Max tune-up power (dBm) | | Calculation | Exclusion |
|-----------------|------------------|-------------------------|------|-------------|-----------|
| Frequency (砒) | | (dB m) | (mW) | value | Threshold |
| 2.422 | 5 | 6.0 | 4.0 | 1.3 | ≤3.0 |
| 2.437 | 5 | 6.0 | 4.0 | 1.3 | ≤3.0 |
| 2.452 | 5 | 6.0 | 4.0 | 1.3 | ≤3.0 |

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