

13. RF Exposure Information

FCC ID: 2ABHA-TEK175

SAR Test Exclusion Calculations

1. FCC: According to KDB 447498 D01 General RF Exposure Guidance v06.

(1) Clause 4.3: General SAR test reduction and exclusion guidance

Sub clause 4.31: Standalone SAR test exclusion considerations

1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance≤50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{(\text{GHz})}}] \leq 3.0 \text{ for 1-g SAR}$

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{(\text{GHz})}}] \leq 7.5.0 \text{ for 10-g SAR}$

2.

Calculation:

| Bluetooth Mode | | | | | | | |
|-----------------|-----------------------|--------------------|----------------|---------------|---------------|-------------------|-----------------|
| Frequency (GHz) | Conducted Power (dBm) | Turn Up Power (dB) | Ant Gain (dBi) | TX Power (mW) | Distance (mm) | Calculation Value | Threshold Value |
| 2.402 | 4.03 | 1 | 0 | 3.184 | 5 | 0.987 | 3.0 |

So standalone SAR measurements are not required.