

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:

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

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