

RF Exposure Report

FCC ID: 2AHKG-SK-M52

SAR Test Exclusion Calculations

1. FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies 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  $\leq 5$  mm are determined by:
- $$\frac{[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation, mm})]*[\sqrt{f_{\text{(GHz)}}}]}{\leq 3.0 \text{ for 1-g SAR}}$$
- $$\frac{[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation, mm})]*[\sqrt{f_{\text{(GHz)}}}]}{\leq 7.5.0 \text{ for 10-g SAR}}$$

Bluetooth V4.2: 2402~2480 MHz

GFSK, Pi/4-QDPSK, 8-DPSK

Test separation: 5mm					
Protocol	Channel Frequency (MHz)	Output Power Conducted Power (dBm)	Output Power Conducted Power (mW)	Calculation Value (mW/mm²)	Limit (mW/mm²)
GFSK	2402	1.15	1.30	0.407	3.0
Pi/4-QDPSK	2402	2.38	1.73	0.541	3.0
8-DPSK	2402	2.74	1.88	0.587	3.0

Then SAR evaluation is not required

\*\*\*\*\* END OF REPORT \*\*\*\*\*