

RF EXPOSURE EVALUATION METHOD**FCC ID:2BHMA-J01****According to KDB 447498 D01 General RF Exposure Guidance v06****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 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where $f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Maximum measured transmitter power.

BT

Left earphone

1Mbps			
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)
CH00	2402	0.283	1.067
CH39	2441	-0.521	0.887
CH78	2480	-1.829	0.656

2Mbps			
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)
CH00	2402	0.912	1.234
CH39	2441	0.140	1.033
CH78	2480	-1.120	0.773

Right earphone

1Mbps			
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)
CH00	2402	0.324	1.077
CH39	2441	-0.482	0.895
CH78	2480	-1.808	0.659

2Mbps			
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)
CH00	2402	0.902	1.231
CH39	2441	0.143	1.033
CH78	2480	-1.144	0.768

BLE

Left earphone

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)
CH00	2402	3.032	2.010
CH19	2440	2.371	1.726
CH39	2480	1.016	1.264

Right earphone

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)
CH00	2402	3.103	2.043
CH19	2440	2.438	1.753
CH39	2480	1.078	1.282

Remark: The best case gain of the antenna is 3.12dBi.

1.2 dBi logarithmic terms convert to numeric result is nearly 2.05

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

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

Test Channel	Range	tune up max power (dBm)	$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})]$	$[\sqrt{f(\text{GHz})}]$	Result	Limit
BT- Left earphone						
1Mbps						
CH00	1~1	1	1.259	5	2.402	0.390
CH39	1~1	1	1.259	5	2.441	0.393
CH78	0~2	0	1.000	5	2.480	0.315
2Mbps						
CH00	1~1	1	1.259	5	2.402	0.390
CH39	1~1	1	1.259	5	2.441	0.393
CH78	0~2	0	1.000	5	2.480	0.315
BT- Right earphone						
1Mbps						
CH00	1~1	1	1.259	5	2.402	0.390
CH39	1~1	1	1.259	5	2.441	0.393
CH78	0~2	0	1.000	5	2.480	0.315
2Mbps						
CH00	1~1	1	1.259	5	2.402	0.390
CH39	1~1	1	1.259	5	2.441	0.393
CH78	0~2	0	1.000	5	2.480	0.315

BLE- Left earphone						
CH00	4~2	4	2.512	5	2.402	0.779
CH39	3~1	3	1.995	5	2.440	0.623
CH78	2~0	2	1.585	5	2.480	0.499
BLE- Right earphone						
CH00	4~2	4	2.512	5	2.402	0.779
CH39	3~1	3	1.995	5	2.440	0.623
CH78	2~0	2	1.585	5	2.480	0.499

The test Result is less than 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

Conclusion: No SAR is required.