

FCC RF Exposure

EUT Description: Subwoofer

Model No.: 1723_Subwoofer_1S, 1723_Subwoofer_1V, 1723_Subwoofer_2S, 1723_Subwoofer_2V, Dual12, Dual15, SUB12S, SUB12V, SUB15S, SUB15V

FCC ID: 2AWMR-1723

1. Limits

According to KDB 447498 D01 General RF Exposure Guidance v06 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:

Result = $P/D \cdot \sqrt{F}$

F = the RF channel transmit frequency in GHz

P = Maximum turn - up power in mw

D = Min. test separation distance in mm

2. Test Result of RF Exposure Evaluation

2.4G

		Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power dBm/mW	Min test separatio n distance mm	Result	Limit	SAR Test Exclusion
BT EDR	2480	-2.602	-3±1	-2/ 0.63	5	0.19842	3.0	Pass
Note: PK Output power = conducted power. Conducted power see the test report HK2006051277-E , antenna gain=1dBi								

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 0.19842 which is ≤ 3 , RF Exposure testing is not required.

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

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

Distance = 5mm