

FCC RF Exposure

EUT Description: Mouse

Model No.: G995W

FCC ID: 2A9SC-G995W

1. Limits

According to KDB 447498 D04 General RF Exposure Guidance v01 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

2405MHz:

EIRP(dBm) = $80.35(\text{dBuV/m}) - 95.2 = -14.85(\text{dBm})$

	Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power dBm/mW	Min test separation distance mm	Result	Limit	SAR Test Exclusion
2.4GTX	-14.85	-14±1(-13)	0.050	5	0.016	3.0	Pass
BLE	4.59	4±1(5)	3.162	5	0.980	3.0	Pass

Note:

PK Output power = conducted power.

Conducted power see the test report HK2310244957-1E/2E, antenna gain = 2.7dBi

Per KDB 447498 D04, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.980 which is ≤ 3 , SAR testing is not required.

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

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Distance = 5mm