

FCC RF Exposure

EUT Description: Wireless Keyboard

ModelNo.:RK906,RK909,RK908,RK909+,RK908+,RK106,RK801,RK802,RK803,RK804,RK805,RK806,RK807, RK808,RK809,RK207,GK98,GK100,GK87,GK61,GK68,GK104

FCC ID: 2AVGN-RK909

Equipment type: portable equipment

According to KDB 447498 and part 2.1093, Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numericasimulation, is not required when the corresponding SAR Test Exclusion Thresholdocondition(s), listed below, is (are) satisfied.

For 100 MHz to 6 GHz and test separation distances < 50 mm, the 1-g and 10-g SAR testexclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distancecm})] \cdot [\sqrt{f\text{GHz}}] < 3.0$ for 1-g SAR, and $s 7.5$ 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

$$\text{EIRP} = \text{EMeas} + 20\log(\text{dmeas}) - 104.7$$

EIRP is the equivalent isotropically radiated power,

EMeas in dBm is the field strength of the emission at the measurement distance, in dB u V/m

dmeas is the measurement distance, in m

Field strength(dBuV/m)	EIRP(dBm)	Max tune-up(mW)	Frequency(MHz)	Min. distance(mm)	Calc. thresholds	limit
92.50	-2.6576	0.5423	2402	5	0.1681	3.0
91.16	-3.9976	0.3983	2440	5	0.1244	3.0
93.76	-1.3976	0.7248	2480	5	0.2283	3.0

Conclusion: No SAR is required