

FCC RF Exposure

FCC ID:2A6L7-HUNTER

EUT Description: 2.4G wireless gamepad for xbox and switch/pc

Model No.:Hunter

Series Model:N/A

Equipment type: Portable Device

According to KDB447498 D01 General RF Exposure Guidance v06 Section 4.3.1, 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 numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition(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 test exclusion thresholds are determined by the following:

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

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

The result is rounded to one decimal place for comparison

$$\text{EIRP} = \text{E}_{\text{Meas}} + 20 \log(d_{\text{meas}}) - 104.7$$

EIRP is the equivalent isotropically radiated power,

E_{Meas} is the field strength of the emission at the measurement distance, in dB u V/m

d_{meas} is the measurement distance, in m

Field strength(dBuV/m)	EIRP(dBm)	Max tune-up(mW)	Frequency(MHz)	Min. distance(mm)	Calc. thresholds	limit
79.70	-15.5	0.02818	2402	5	0.00873	3.0
83.65	-11.55	0.06998	2440	5	0.02186	3.0
90.19	-5.01	0.31550	2480	5	0.09936	3.0

Conclusion: No SAR is required