

## RF Exposure Requirements

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Product Description: Crescent Mini PC Console Projector

Model No.: FHPC-01, CRES-A1, FHPC-02, FHPC-03, FHPC-04

FCC ID: 2AKISFHPC-01

According to the KDB 447498 D01 v06, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  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  $\leq 7.5$  for 10-g extremity SAR, 16 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

### WIFI:

Conducted Power (dBm)	Max. Power (mW)	Distance (mm)	Frequency (GHz)	Result	Limit
9.79	9.53	5	2.462	2.99	3

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$ :  $9.53/5 \cdot \sqrt{2.462} = 2.99$

### BT(EDR):

Conducted Power (dBm)	Max. Power (mW)	Distance (mm)	Frequency (GHz)	Result	Limit
4.56	2.86	5	2.402	0.89	3

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$ :  $2.86/5 \cdot \sqrt{2.402} = 0.89$

### BT(BLE):

Conducted Power (dBm)	Max. Power (mW)	Distance (mm)	Frequency (GHz)	Result	Limit
0.53	1.13	5	2.402	0.33	3

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$ :  $1.13/5 \cdot \sqrt{2.402} = 0.33$

Note: WIFI and BT is can not simultaneous transmission.

So, the Max. exclusion thresholds is  $2.99 < 3$ , therefore, the RF exposure evaluation is not required.