

Maximum Permissive Exposure

FCC ID: BEJ9QK-WN7111B

IC: 2703H-WN7111B

Product Name: WLAN Adapter Card

Model No: WN7111B

LG Electronics Inc. declares that the product described above has been evaluated and found to comply with the RF exposure limits for humans, as specified based on ANSI/FCC recommendation. Based on safety distance 20cm, the antenna gain is 1.63dBi, and the power output is 0.0743mW, the power density is 0.0215mW/cm².

RF Exposure Calculations:

$$S = (P * G) / (4 * \pi * r^2) \text{ or } r = \sqrt{(P * G) / (4 * \pi * S)}$$

Where S = Power Density in mW/cm²

P = 18.71dBm = 74.302mW

G = 1.63dBi = 1.455 Numerical

r = 20cm

$$S = 74.302 * 1.455 / 4 * \pi * 20^2 = 0.0215 \text{mW/cm}^2$$

Sincerely Yours,



Mr. Ben Cheng

Manager

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