

AMTRAN AmTRAN TECHNOLOGY CO., LTD.
瑞軒科技股份有限公司

Declaration of Compliance

FCC ID : MDZJV50P
Product Name : Plasma Monitor, Plasma Display, Plasma TV
(Within Wireless Audio Module)
Model Number : VIZIO JV50Pxxxxxxxx

Amtran Technology Co., Ltd. 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 4.5dBi, and the power output is 16.672mW, the power density is 0.009346mW/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

$$P = 12.22\text{dBm} = 16.672\text{mW}$$

$$G = 4.5\text{dBi} = 2.818 \text{ Numerical}$$


$$r = 20\text{cm}$$

$$S = 16.672 * 2.818 / 4 * \pi * 20^2 = 0.009346\text{mW/cm}^2$$

Limit MPE < 1mW/cm²

Result: Passed

Signature:



J.C. Cheng
Senior Engineer
Amtran Technology Co., Ltd.