

RF Exposure Requirements

Product Description: Wireless Microphone

Model No.: NPVXX-MIC

FCC ID: 2ASZE-NPVXXMIC

According to the KDB 447498 D01 V06, the following RF exposure evaluation shall to demonstrate RF exposure compliance.

Digital Non-Broadcast Transmitter

Frequency Range: 653.5 MHz; 656.5 MHz

Type of Modulation: Digital: 4FSK

Device category: Portable device (Distance: 5mm)

The maximum radiated output power (e.i.r.p): -34.88dBm

The EIRP specified is -32 dBm

Tolerance: ± 3 dB

The source- based time-averaging conducted output power

$= (-32 + 3) * \text{Duty cycle mW} = 0.000794 \text{ mW}$ (Duty Cycle $\leq 100\%$)

Maximum Conducted Output Power: 0.000794 mW

Limit: 18.5129mW

Source-based time-averaged Conducted output power is $0.000794 \text{ mW} < 18.5129\text{mW}$

So the transmitter complies with the RF exposure requirements and the SAR is not required.