

# FCC RF Exposure

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EUT Description: 2.4GHz Digital Headset  
Company: Sharkoon Technologies Ltd. Taiwan Branch  
FCC ID: OUDX-TATICAIR2

Frequency: 2403-2477 MHz

Modulation: FHSS

Mid-Channel: 2.441 GHz

## Antenna 1:

Mid-Channel Peak Power, Conducted: -2.89 dBm == 0.51 mW

Antenna Gain: G = -0.67 dBi

Calculation:

$$\text{Limit} = 60/2.437 = 24.62 \text{ mW}$$

$$P_{\text{radiated, max}} = P_{\text{conducted, dBm}} + G_{\text{dBi}} = -2.89 \text{ dBm} + -0.67 \text{ dBi} == -3.56 \text{ dBm} = 0.44 \text{ mW}$$

## Antenna 2:

Mid-Channel Peak Power, Conducted: -7.32 dBm == 0.19 mW

Antenna Gain: G = -0.65 dBi

Calculation:

$$\text{Limit} = 60/2.437 = 24.62 \text{ mW}$$

$$P_{\text{radiated, max}} = P_{\text{conducted, dBm}} + G_{\text{dBi}} = -7.32 \text{ dBm} + -0.65 \text{ dBi} == 7.79 \text{ dBm} = 0.17 \text{ mW}$$

## **Conclusion:**

Both emitted powers appears to be below the required limit, even when transmitting simultaneously, the sum of the powers is still far under the limit, so PASS.