

## FCC RF Exposure

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EUT Description: 2.4GHz Digital Headset  
Company: Sharkoon Technologies Ltd. Taiwan Branch  
FCC ID: OUDX-TATICAIR1

Frequency: 2403-2477 MHz  
Modulation: FHSS  
Mid-Channel: 2.441 GHz

### **Antenna 1:**

Mid-Channel Peak Power, Conducted: 0.5 dBm == 1.12 mW  
Antenna Gain: G = -0.67 dBi

Calculation:

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

$P_{\text{radiated, max}} = P_{\text{conducted, dBm}} + G_{\text{dBi}} = 0.5 \text{ dBm} + -0.67 \text{ dBi} == -0.17 \text{ dBm} = \underline{0.96 \text{ mW}}$

### **Antenna 2:**

Mid-Channel Peak Power, Conducted: -4.11 dBm == 0.39 mW  
Antenna Gain: G = -0.65 dBi

Calculation:

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

$P_{\text{radiated, max}} = P_{\text{conducted, dBm}} + G_{\text{dBi}} = -4.11 \text{ dBm} + -0.65 \text{ dBi} == -4.76 \text{ dBm} = \underline{2.99 \text{ mW}}$

## **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.