




## **Exhibit: RF Exposure – FCC**

FCC ID: UP2AWA24UR

Report File #: 7169000966-000(AWAC)

Client	Artaflex Inc	
Product	AWAC24UR	
Standard(s)	FCC Part 15 Subpart 15.247:2015 FCC KDB 447498:2015	

## **RF Exposure – FCC**

The device is intended for portable application and the minimum separation distance from the radiating structure to any part of the body or extremity of a user is 5 mm as stated by the manufacturer during normal operation.

The EUT contains a 2400 – 2483.5 MHz DTS transmitter.

### **General SAR test exclusion guidance:**

As per FCC KDB 447498 Section 4.3.1 a), the 1-g SAR Test Exclusion Threshold for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm is determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] [\sqrt{f_{\text{(GHz)}}}] \leq 3.0$$

Where:

$f_{\text{(GHz)}}$  is the RF channel transmit frequency in GHz

### **SAR Calculations: 2402 – 2480 MHz DTS transmitter**

Peak conducted power was measured to be 15.14 dBm (32.66 mW). The EUT have a source-based timed-average duty cycle of 6.4%, which equates to a Duty Cycle Correction Factor of -23.9 dB. The source-based time-average conducted power if the EUT is -8.8 dBm (0.1 mW).

At a separation distance of 5 mm, this results to:

$$[0.1 \text{ mW} / 5 \text{ mm}] * [\sqrt{2.405 \text{ GHz}}] = 0.04 \leq 3.0$$

SAR Exclusion Threshold condition is met with peak conducted power.