

**EXHIBIT 9 – FCC RF EXPOSURE EVALUATION**

**See Attached**

**Prediction of MPE Limit**  
**47 CFR § 2.1091/ § 2.1093**

$$S_{20} = \frac{P_A G_N}{4\pi R_{20}^2}$$

$$S_C = \frac{P_A G_N}{4\pi R_C^2}$$

$$R_C = \sqrt{\frac{P_A G_N}{4\pi S_L}}$$

$$S_L = \frac{1}{\phantom{000000}} \text{ (mW/cm}^2\text{)}$$

$S_{20}$  = Power Density of the Device at 20cm

$S_L$  = Power Density Limit

$S_C$  = Power Density of the Device at the Compliance Distance  $R_C$

$R_{20}$  = 20cm

$R_C$  = Minimum Distance to the Radiating Element to Meet Compliance

$P_T$  = Power Input to Antenna

$P_A$  = Adjust Power

$G_N$  = Numeric Gain of the Antenna

$f$  = Transmit Frequency

**Transmit Duty Cycle = 100%**

**Use Group = General Population**

|                                           |         |           |
|-------------------------------------------|---------|-----------|
| Transmit Duty Cycle:                      | 100.00  | (%)       |
| Tx Frequency (f):                         | 2405.00 | (MHz)     |
| RF Power at Antenna Input Port ( $P_T$ ): | 58.00   | (mW)      |
| Antenna Gain:                             | 8.00    | (dBi)     |
| Numeric Antenna Gain ( $G_N$ ):           | 6.31    | (numeric) |
| Cable or Other Loss:                      | 0.00    | (dB)      |
| Duty Cycle/Loss Adjusted Power ( $P_A$ ): | 58.00   | (mW)      |

|                    |       |                       |
|--------------------|-------|-----------------------|
| $S_L$ =            | 1.000 | (mW/cm <sup>2</sup> ) |
| $S_{20}$ at 20cm = | 0.073 | (mW/cm <sup>2</sup> ) |
| $R_C$ =            | 5.4   | (cm)                  |
| $S_C$ =            | 1.00  | (mW/cm <sup>2</sup> ) |

RESULT **PASS**

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