

**EXHIBIT 9 – FCC RF EXPOSURE EVALUATION**

**See Attached**

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

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

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

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

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

**S<sub>20</sub>** = Power Density of the Device at 20cm

**S<sub>L</sub>** = Power Density Limit

**S<sub>C</sub>** = Power Density of the Device at the Compliance Distance R<sub>C</sub>

**R<sub>20</sub>** = 20cm

**R<sub>C</sub>** = Minimum Distance to the Radiating Element to Meet Compliance

**P<sub>T</sub>** = Power Input to Antenna

**P<sub>A</sub>** = Adjust Power

**G<sub>N</sub>** = Numeric Gain of the Antenna

**f** = Transmit Frequency

**Transmit Duty Cycle = 100%**

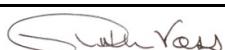
**Use Group = General Population**

Transmit Duty Cycle:	100.00	(%)
Tx Frequency (f):	2405.00	(MHz)
RF Power at Antenna Input Port (P <sub>T</sub> ):	58.00	(mW)
Antenna Gain:	8.00	(dBi)
Numeric Antenna Gain (G <sub>N</sub> ):	6.31	(numeric)
Cable or Other Loss:	0.00	(dB)
Duty Cycle/Loss Adjusted Power (P <sub>A</sub> ):	58.00	(mW)

S <sub>L</sub> =	1.000	(mW/cm <sup>2</sup> )
S <sub>20</sub> at 20cm =	0.073	(mW/cm <sup>2</sup> )
R <sub>C</sub> =	5.4	(cm)
S <sub>C</sub> =	1.00	(mW/cm <sup>2</sup> )

RESULT **PASS**

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