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Client: EIS Council Model: BNET-V FCC ID: 2AVVL0BSXR1BNETV001

Standard: FCC Pt 90 Report #: 2020019

Appendix A: FCC Part 1.1307, 1.1310, 2.1091, 2.1093: RF Exposure

MPE Calculations

The maximum permissible RF exposure is specified in FCC 1.1310.

RF Exposure Limits

| Technology | Transmit Frequencies | Uncontrolled Exposure | |
|------------|----------------------|-----------------------|--|
| Technology | (MHz) | FCC Limit (mW/cm²) | |
| LMR | 450-470 | 0.3 | |

^{*} The lowest frequency of the above frequency ranges produces the most conservative limit (when limit is based on frequency) and was used to calculate the limits above, where applicable.

Maximum Power

| Technology | Transmit Frequencies (MHz) | Duty Cycle (%) | Measured Max Conducted Power (W) | Max Antenna Gain (dBi) | Max EIRP (W) |
|------------|----------------------------------|-------------------|---|---------------------------------|--------------------|
| LMR | 450-470 | 50 | 24 | 2.8 | 22.9 |

^{*} LMR power is based on rated power X 1.20 (per Part 90.205(s)) X 50% duty cycle (for licensed PTT radios)

Calculated Minimum Safe Distance from LMR Antenna (based on maximum gain)

| Technology | Transmit Frequencies | Uncontrolled Exposure | |
|------------|----------------------|-----------------------|--|
| | (MHz) | United States (cm) | |
| LMR | 450-470 | 78.0 | |