

Exhibit F: **QUESTION 9: SUPPLEMENTAL STATEMENT OF ENVIRONMENTAL IMPACT FOR NEW FREQUENCIES**

Exhibit Type: **Text Documents**

The following information is provided as justification for why question 9 was answered in the negative.

1. The system is mobile and there are no facilities or structures subject to the criteria established in Section 1.1307(a)
2. The radio and associated antenna systems, when operating, generate RF levels that are below the limits on human exposure as identified in section 1.1307(b). Additional details are noted in the table below.

Center Frequency	395.5 MHz	399.5 MHz
Transmit Power	1 Watt	1 Watt
Modulation Scheme	2FSK	2FSK
Frequency Deviation	32 kHz	32 kHz
TX Occupied Bandwidth (OBW)	131 kHz	131 kHz
Data Rate	64 kbit/s	64 kbit/s
Estimated Max Gain of Octane UHF Stub Antenna SA-315-515 when matched with grounding radials installed on sUAS body	-0.55 dBi	-0.55dBi
Estimated power density	0.175 mW/cm ²	0.175 mW/cm ²
Per FCC OET65 Table 1.B, limits for general population / uncontrolled exposure at 20 cm is 0.2mW/cm2)	0.264 mW/cm ²	0.266 mW/cm ²