

EXHIBIT I

File Number: 0183-EX-PL-2009
Confirmation Number: EL475820

SCOPE OF PROGRAM:

Command program, HF Global Communication System, US Air Force contract F34601-01-D-0276

DURATION OF PROGRAM:

12 Years

ANTENNAS:

- RT-2200 HF exciter used with 1 kW Power Amplifier or 4 kW Power Amplifier.
 - Each transmitter type is capable of limiting output power from 1 to 100 percent of full rated power.
 - Transmitters are not experimental.
 - HF exciter manufactured by Rockwell Collins, model number RT-2200.
 - 1 kW Power Amplifier manufactured by Rockwell Collins, model number PA-2000, quantity 2.
 - 4 kW Power Amplifier manufactured by Cubic Corporation, model number COM4000S, quantity 4.
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ANTENNAS ARE DIRECTIONAL:

Width of beam in degrees at the half power point:

- Antennas 1 and 2: Approximately 80 degree beamwidth
- Antennas 3 and 4: Approximately 45 degree beamwidth

Orientation in horizontal plane:

- All antennas omnidirectional in horizontal plane

Orientation in vertical plane:

- Antennas 1 and 2: Maximum gain at 90 degrees above horizon
 - Antennas 3 and 4: Maximum gain at 40 degrees above horizon
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EMISSIONS INFORMATION:

Provide the three (3) symbols necessary to determine the Emission Designator.

- For all antennas: J3D, J3E, B9W, B7D

Please provide the following information, as appropriate, for the Modulating Signal:

Maximum speed for keying in bauds:

- For all antennas: 19,200

Maximum audio modulating frequency:

- For all antennas: 3050 Hz

Frequency deviation of carrier:

- For all antennas: Not applicable

Pulse duration and repetition rate:

- For all antennas: Not applicable
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PROVIDE THE NECESSARY BANDWIDTH MEASUREMENT AND THE UNITS:

For all antennas:

- For J3D and J3E (single channel), bandpass is 300 Hz to 3050 Hz. For B9W and B7D (dual sideband operation), each sideband bandpass is 300 Hz to 3050 Hz.
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