

Exhibit B

This license application is in support of the GD-53 program under contract 4570014311, and includes the main radar and support test equipment. This exhibit describes the particulars of each antenna/equipment used during the experiment.

The antennas will radiate in fixed locations within the mobile 1 km radius centered at N43°6'43", W76°11'18".

Main Radar: Lockheed Martin, Model AN/APG-67(v)4

Is a directional antenna (other than radar) used? **No**

(a) Width of beam in degrees at the half-power point: **3.7° Azimuth Beamwidth, 6.0° Elevation Beamwidth**

(b) Orientation in horizontal plane: **290° ±70°, 20° ±70°, referenced to true north**

(c) Orientation in vertical plane: **±60°**

This equipment emits the following signals

Frequency	Station Class	Output Power/ERP	Mean Peak	Emission Designator	Modulating Signal
9.2-10G	MO	5000 W / 25.7 MW ERP	PEAK	20M6Q3N	Bc=4.5 MHz t=0.24 – 100 µs prf=250 – 150 kHz
9.2-10G	MO	5000 W / 25.7 MW ERP	PEAK	11M6P0N	t=0.24-100 µs prf=250 – 150 kHz

Test Equipment: Lockheed Martin, Model TE-X3

Is a directional antenna (other than radar) used? **Yes**

(a) Width of beam in degrees at the half-power point: **35° Azimuth Beamwidth, 30° Elevation Beamwidth**

(b) Orientation in horizontal plane: **110° ±10°, 200° ±10°**

(c) Orientation in vertical plane: **0°**

This equipment emits the following signals

Frequency	Station Class	Output Power/ERP	Mean Peak	Emission Designator	Modulating Signal
9.8 G	MO	-20 dBm / 0.001 W ERP	PEAK	310MW0N	N/A

Test Equipment: Scientific Atlanta, Model 2080

Is a directional antenna (other than radar) used? **Yes**

(a) Width of beam in degrees at the half-power point: **estimated 1° Azimuth Beamwidth, estimated 1° Elevation Beamwidth**

(b) Orientation in horizontal plane: **110° ±10°**

(c) Orientation in vertical plane: **0°**

This equipment emits the following signals

Frequency	Station Class	Output Power/ERP	Mean Peak	Emission Designator	Modulating Signal
9.8 G	MO	-20 dBm / 0.1 W ERP	PEAK	N0N	N/A