

EXHIBIT 1
ADDITIONAL ANTENNA INFORMATION
0428-EX-PL-2008

	ANTENNA 1	ANTENNA 2	ANTENNA 3	ANTENNA 4	ANTENNA 5
ANTENNA MODEL	Airborne Weather radar Antenna #1 RTA-4100	Airborne Weather radar Antenna #2 RTA-800	Airborne Weather radar Antenna #3 WRT-2100	Airborne Weather radar Antenna #4 WRT-701	Airborne Weather radar Antenna #5 WRUA 2120
WIDTH OF BEAM IN DEGREES AT THE HALF POWER POINT	7.4° 3dB Beamwidth (Both Azi. and Elev.), Oriented in the Horizontal Plane	6.0° 3dB Beamwidth (Both Azi. and Elev.), Oriented in the Horizontal Plane	.85° 3dB Beamwidth (Both Azi. and Elev.), Oriented in the Horizontal Plane	3.85° 3dB Beamwidth (Both Azi. and Elev.), Oriented in the Horizontal Plane	3.85° 3dB Beamwidth (Both Azi. and Elev.), Oriented in the Horizontal Plane
FREQ RANGE	9457.1 MHz - 9483.4 MHz	9343.85 MHz	9327.424 MHz - 9348.568 MHz	9327.424 MHz - 9348.568 MHz	9320.4127 MHz - 9400.4127 MHz
POWER OUTPUT	70 W	30 W	150 W	150 W	125 W
ERP	79 kW peak	955 W peak	423 kW peak	423 kW peak	316 kW peak
POWER	Peak	Peak	Peak	Peak	Peak
FREQ TOLERANCE	0.005%	0.02%	0.01%	0.01%	0.01%
EMISSION DESIGNATOR	3M78M1X, 630KM1X, 18K2M1X	2M7P0N, 1M9P0N, 1M1P0N, 700KP0N, 360KP0N, 230KP0N	1M50P0N, 500KP0N, 120KP0N	1M50P0N, 600KP0N, 300KP0N, 150KP0N	1M50P0N, 500KP0N, 120KP0N
MODULATING SIGNAL	0.005%	0.02%	0.01%	0.01%	0.01%
PULSE DURATION	3.4 µS, 20.4 µS, 55 µS	1.7 µS, 2.4 µS, 4.8 µS, 9.6 µS, 19.2 µS, 28.8 µS	2 µS, 6 µS, 25 µS	2 µS, 5 µS, 10 µS, 20 µS	2 µS, 6 µS, 25 µS
REPETITION RATE	3 MHz, 1680 Hz, 220 Hz	2.2 MHz, 1.46 MHz, 380 Hz, 255 Hz	3MHz, 900 Hz	3 MHz, 1280 Hz, 360 Hz, 240 Hz	3MHz, 900 Hz
NECESSARY BANDWIDTH MEASUREMENT	23.6 MHz	400 kHz	21.1 MHz	21.1 MHz	580 MHz