

Exhibit 1

Item 4

Frequencies	Power(ERP)	Emission	Modulating Signal	BW
30-32 MHz	10W	N0N	CW	0 KHz
50-52 MHz	10W	N0N	CW	0 KHz
59-62 MHz	10W	N0N	CW	0 KHz
70-72 MHz	10W	N0N	CW	0 KHz
86-88 MHz	10W	N0N	CW	0 KHz
108-110 MHz	10W	N0N	CW	0 KHz
114-116 MHz	10W	N0N	CW	0 KHz
128-136 MHz	10W	N0N	CW	0 KHz
140-144 MHz	10W	N0N	CW	0 KHz
148-152 MHz	10W	N0N	CW	0 KHz
170-176 MHz	10W	N0N	CW	0 KHz
225-228 MHz	10W	N0N	CW	0 KHz
240-244 MHz	10W	N0N	CW	0 KHz
270-276 MHz	10W	N0N	CW	0 KHz
292-302 MHz	10W	N0N	CW	0 KHz
318-330 MHz	10W	N0N	CW	0 KHz
350-375 MHz	10W	N0N	CW	0 KHz
390-445 MHz	10W	N0N	CW	0 KHz
500-524 MHz	10W	N0N	CW	0 KHz
658-662 MHz	10W	N0N	CW	0 KHz
860-864 MHz	10W	N0N	CW	0 KHz
960-964 MHz	10W	N0N	CW	0 KHz
1020-1080 MHz	10W	N0N	CW	0 KHz
1088-1092 MHz	10W	N0N	CW	0 KHz
1120-1128 MHz	10W	N0N	CW	0 KHz
1212-1216 MHz	10W	N0N	CW	0 KHz
1220-1228 MHz	10W	N0N	CW	0 KHz
1310-1320 MHz	10W	N0N	CW	0 KHz
1680-1690 MHz	10W	N0N	CW	0 KHz
1820-1830 MHz	10W	N0N	CW	0 KHz
2020-2030 MHz	1W	N0N	CW	0 KHz
2190-2400 MHz	1W	N0N	CW	0 KHz
2500-3800 MHz	1W	N0N	CW	0 KHz
5000-6000 MHz	1W	N0N	CW	0 KHz
7700-11200 MHz	1W	N0N	CW	0 KHz
11800-18000 MHz	1W	N0N	CW	0 KHz

The Test System uses a phase locked network analyzer as a receiver. Test data is taken in short bands as the antenna under test rotates.

The transmitter for the 30-2000 MHz band looks north (away from Falcon Field) and has a front to back ratio greater than 15 dB above 200 MHz. The transmitter for 2-18 GHz looks east and has a very directional antenna.

As mentioned in our telecon, the analyzer sweeps through a particular set of frequencies. Therefore the dwell time at any frequency is less than a nanasecond.

Exhibit 2

Item 5b

State:	AZ	AZ
County:	Maricopa	Maricopa
City:	Mesa	Mesa
Address:		
Coordinates:	33-28-7.14N 111-43-40.62W	33-28-9.06N 111-43.41.7

Exhibit 3

Item 6

6a:	30-200MHz	120°	2 GHz	35°
	200-1000MHz	70°	18 GHz	12°
	500-6000MHz	35°		

6b:

6c:

Exhibit 4

Item 7: We have two government contracts for testing of the F-18 aircraft, N00019-92-C-0059 & N00019-99-C-1226.

Exhibit 5

Item 15:

Antenna Hgt to tip:	9.16	13.7
Ground Elevation MSL:	419.8	419.8
Distance to Airport:	0.27	0.27