

Exhibit 3 – Emission Information
Quest Aircraft Company (0735-EX-ST-2013)

The following are the emissions characteristics for the tests to be done for the above project.

Test	f Start (MHz)	f Step (MHz)	Swept/Stepped	Number of Steps	f Step (MHz)	t Sweep (s)	Sweep Rate (kHz/s)	Step Dwell Time (s)	Tx Power (W)	Antenna	Antenna Gain	EIRP (W)	Use Example	Bandwidth (kHz)	Time in Bandwith (μs)	Notes
LLSC	2	5	Swept	N/A	N/A	3	1.00E+03	N/A	1	Dipole	1.64	1.64	Aircraft HF	7	7	8 sweeps per measurement 10 measurements per set 2 sets per hour
	5	25.5	Swept	N/A	N/A	0.5	4.10E+04	N/A	10	Dipole	1.64	16.4	Aircraft HF	7	0.2	3 sweeps per measurement 10 measurements per set 2 sets per hour
	25	400	Swept	N/A	N/A	0.2	1.88E+06	N/A	5	Bilog CBL6111	4	20	VOR	50	0.03	1 sweep per measurement 10 measurements per set 2 sets per hour
													ATC VHF Comms	25	0.01	
LLSF	100	1000	Swept	N/A	N/A	0.1	9.00E+06	N/A	0.1	Bilog CBL6111	4	0.4	DME	100	0.01	10 sweeps per measurement 10 measurements per set 0.5 sets per hour
	1000	3000	Swept	N/A	N/A	0.1	2.00E+07	N/A	0.1	SAS-571 Horn	14.1	1.41	GPS	1.00E+04	0.5	
	3000	7000	Stepped	501	8	0.1	N/A	0.0001996	0.1	SAS-571 Horn	17.8	1.78				
	7000	13600	Stepped	501	13.2	0.1	N/A	0.0001996	0.1	SAS-571 Horn	22.4	2.24				
	13600	18000	Stepped	501	8.8	0.1	N/A	0.0001996	0.1	SAS-571 Horn	31.6	3.16				