

Exhibit 1

This application to modify the Station WD2XSE license (filed simultaneously with the application to renew) addresses the following items:

1. Correction of the “seconds” in the Latitude for the geographic coordinates to specify as follows:

42-48-40 N.Lat.; 071-29-~~24~~ W.Long

2. Update the wording of Special Condition 5 to reflect the following update to the Stop Buzzer information:

“(5) The designated point-of-contact to terminate transmissions if interference occurs is ~~Dawn Ingram at 603-885-2449~~, George Moynihan at 603-689-8630 and BAE Systems Emergency Services Center - (603) 885-3842.”

3. Pursuant to Section 5.77(b) of the Commission’s Rules, the permanent license file for this Station is requested to be updated to reflect the following transmitting equipment for this experiment:

A. Transmit Directionality

Transmit Direction
+/- 90 deg from 12 deg Azimuth line of bearing

B. Antenna Data

For the convenience of the Commission, the following chart defines certain specifications relating to the directional antennas that are to be used in the experiment:

Mfg.	Model Number	Frequency Range	Gain	BW		
Sunol Sciences	JB1	30 – 2000 MHz	< 0 dBi below	Freq	E-Plane	H-Plane
			100 MHz,	<u>MHz</u>	<u>deg</u>	<u>deg</u>
			< 5 dBi below	30	90	Omni
			200 MHz,	200	60	100
			7 dBi max	1000	50	100
ETS Lindgren or Equivalent	3164-06	300 – 6000 MHz	200-2000 MHz	2000	50	100
			< 5 dBi below	Freq	E-Plane	H-Plane
			500 MHz,	<u>MHz</u>	<u>deg</u>	<u>deg</u>
			< 10 dBi below	300	65	105
			3000 MHz	1000	35	65
			13 dBi max	2000	50	45
			3000-6000 MHz	6000	20	20

C. RF Source

Agilent N5230A PNA-L Network Analyzer or equivalent

D. Additional Signal Amplification

Mfg.	Model Number	Frequency Range	Gain
RF Lambda or equivalent	RFLUPA01M06G	100 – 6000 MHz	38 dB, typical
RF Lambda or equivalent	RFLUPA8M04GK	800 – 4200 MHz	47 dB, typical
Wenteq or equivalent	ABL0600-01-3240	10 – 6000 MHz	34 dB, typical

4. Contract Information

This is to confirm that the contract information currently associated with the license is as follows:

Customer/Agency: US Air Force
Contract No.: FA8620-16-G-3028
POC: Aaron Potter - 937-904-8692