

Exhibit 1

This modification seeks to modify the license for Station WD2XJW as follows:

1. Modify the existing 500-932 MHz band into the following smaller bands:
 - 500-600 MHz
 - 620-750 MHz
 - 810-825 MHz
 - 900-932 MHz

As a result of this band modification, BAE Systems requests **deletion of Special Conditions 4 and 15**, which are now unnecessary because the license will not include the frequencies covered by these Special Conditions.

2. Modify the 1240-2700 band into the following smaller bands:
 - 1400-1500 MHz
 - 1560-1620 MHz
 - 1670-1710 MHz
 - 1950-2050 MHz
 - 2300-2305 MHz
 - 2365-2600 MHz

As a result of this band modification, BAE Systems requests **deletion of Special Conditions 3, 8, 10 and 14**, which are now unnecessary because the license will not include the frequencies covered by these Special Conditions.

3. BAE Systems also requests that the wording of Special Condition 16 be modified as follows:

“(16) Due to USAF assignments within 30 MIRAD, 24 hour prior coordination with **current** Hanscom AFB Frequency Management is required. ~~Point-of-contact is Mr. Kevin McGrath at (781) 377-7511 (kevin.mcgrath@hanscom.af.mil)~~”

BAE Systems has learned that Mr. Kevin McGrath has retired. BAE Systems has been contacted by Mr. Danforth Moon who has advised that he is currently the POC (along with David Marinkov), but that Mr. Moon is leaving the position by the end of 2017. Accordingly, in light of the regular turnover at this position, BAE Systems suggests that Special Condition 16 simply require coordination with “current” Hanscom AFB Frequency Management, rather than a specific person.

4. Update the wording of Special Condition 11 to reflect the following update to the Stop Buzzer information:

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

5. 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

6. Insert the Output Power for the frequencies specified on the license. BAE Systems has noticed that this information is not specified in the ELS database for the Station.
7. Update the information in the Station file to reflect the following information related to the transmitting equipment for this experiment:

A. Transmit Directionality

The station location details are

Station	North Latitude	West Longitude	Reference	Transmit Direction
1	42-48-40	71-29-24	Building 4	+/- 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 100 MHz, < 5 dBi below 200 MHz, 7 dBi max 200-2000 MHz	<table border="1"> <thead> <tr> <th>Freq MHz</th> <th>E-Plane deg</th> <th>H-Plane deg</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>90</td> <td>Omni</td> </tr> <tr> <td>200</td> <td>60</td> <td>100</td> </tr> <tr> <td>1000</td> <td>50</td> <td>100</td> </tr> <tr> <td>2000</td> <td>50</td> <td>100</td> </tr> </tbody> </table>	Freq MHz	E-Plane deg	H-Plane deg	30	90	Omni	200	60	100	1000	50	100	2000	50	100
Freq MHz	E-Plane deg	H-Plane deg																	
30	90	Omni																	
200	60	100																	
1000	50	100																	
2000	50	100																	
ETS Lindgren or Equivalent	3164-06	300 – 6000 MHz	< 5 dBi below 500 MHz, < 10 dBi below 3000 MHz 13 dBi max 3000-6000 MHz	<table border="1"> <thead> <tr> <th>Freq MHz</th> <th>E-Plane deg</th> <th>H-Plane deg</th> </tr> </thead> <tbody> <tr> <td>300</td> <td>65</td> <td>105</td> </tr> <tr> <td>1000</td> <td>35</td> <td>65</td> </tr> <tr> <td>2000</td> <td>50</td> <td>45</td> </tr> <tr> <td>6000</td> <td>20</td> <td>20</td> </tr> </tbody> </table>	Freq MHz	E-Plane deg	H-Plane deg	300	65	105	1000	35	65	2000	50	45	6000	20	20
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300	65	105																	
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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
Wenteq or equivalent	ABL0600-01-3240	10 – 6000 MHz	34 dB, typical