

## Exhibit 1

This modification application for Station WD2XDP is primarily submitted to correct the geographic coordinates from: 40-42-12 N.Lat.; 74-53-13 W.Long. (NAD27) to:

40-42-12 N.Lat.; 74-52-11 W.Long. (NAD83)<sup>1</sup>

In the near term, BAE Systems is required to perform testing using the modified parameters both in March (strongly preferred between March 5-9, but no later than March 16) and then again in April for another week of (currently unscheduled) testing. Because of these near term requirements, an STA Request is being simultaneously filed with the Commission to seek authority to operate for a temporary two month period from 3/5-5/4/2018, in the event that this Modification Application is not granted by March 5, 2018.

If this Modification Application is granted prior to March 5, 2018, then the separately-filed STA Request can be dismissed as moot.

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In addition, for the purpose of updating the technical parameters associated with the license, the following additional clarifications are specified in this filing:

- Update the transmitting equipment to specify Agilent – Model No. E4432B.
- Clarify that the transmitting antenna (parabolic dish antenna) is directional, and that the directionality/orientation is as follows:

Width of Beam in Degrees at Half-Power Point	Orientation in Horizontal Plane (degrees from True North)	Orientation in Vertical Plane (degrees from Horizontal)
3.78-3.57°	161°	0°

- Replying “Yes” to the antenna height question, to clarify that the transmitting antenna is not located on a “building” per-se, but is rather located on a permanently affixed transmit tower which is approximately 8.8m above ground level (to the tip of the structure). The feed point of the transmit antenna is located at 6m above ground level.
- Reducing the ERP for the 1059.6-1060.4 MHz range from 10kW to 100W.

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<sup>1</sup> Note that the transmitter is not being moved, this is only a minor correction of the coordinates on the license to reflect the actual location of the transmit tower. Lockheed Martin, which had previously licensed these facilities under (now expired) call sign WA2XSS (and before that KK2XGG), had specified the transmitter coordinates (as listed on the current license) in NAD27 format. In 2003, BAE Systems re-licensed the facilities under the current call sign Station WD2XDP, and at that time BAE Systems identified the same coordinates, also in NAD27 format. While recently preparing FAA coordination materials for the newly-implemented WebFCR system, BAE Systems discovered that both the NAD27 coordinates specified on the companies’ applications, as well as the actual NAD83 coordinates for the transmitter, are slightly different than the actual transmitter location – by about 1.5km. BAE Systems is filing this modification to ensure that the WD2XDP license accurately reflects the actual transmitter location in NAD83 format.