

ELTA North America Request for FCC Experimental License Modification to WG2XAW

Modification Form 442 File Number: 0214-EX-CM-2018

Modification Form 442 Confirmation Number: EL355140

October 3, 2018

Purpose of License Modification

The purpose of this application is to:

- 1) Add Mississippi State University, North Farm, Technology Blvd, Starkville, MS 39759
(Oktibbeha County) **Lat:** 33°28'45.27"N **Long:** 88°47'0.29"
- 2) Add Mississippi State University, North Farm, Technology Blvd, Starkville, MS 39759
(Oktibbeha County) **Lat:** 33°28'13.66"N **Long:** 88°46'6.61"W
- 3) Add Mississippi State University, South Farm, Unnamed Rd, Starkville, MS 39759
(Oktibbeha County) **Lat:** 33°26'33.85"N **Long:** 88°47'35.27"W
- 4) Add Mississippi State University, South Farm, 869 E Poor House Rd, Starkville, MS 39759
(Oktibbeha County) **Lat:** 33°24'26.77"N **Long:** 88°47'47.11"W
- 5) Maritime Applied Physics Corporation , 1850 Frankfurst Ave, Baltimore, MD 21266
(Anne Arundel County) **Lat:** 39°14'43.03"N **Long:** 76°34'21.62"W

We are adding these sites because the terrain and line of site conditions that exist at them replicate operational conditions in which our equipment is deployed and accommodates our desire to test the radar in this environment. Additionally, these sites are also near existing ENA installations (ENA in Annapolis Junction, MD, and Stark Aerospace in Columbus, MS) and thus afford us convenient locations to perform radar system integration, testing and demonstration activities.