

From: Michael Miller

To: Nimesh Sangani

Date: August 24, 2021

Subject: Additional Information Request

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Message:

1. In the ODAR, on page 9, tables 2 and 3 both present area-to-mass values for the spacecraft in “deployed and stable” configurations. However, the area-to-mass values do not match between the tables. Which of the values is correct and was the correct value used during DAS calculations?

Answer: Table 2 gives the Mean Cross-Sectional Area for each spacecraft. This was used to calculate the Area to Mass ratios given in Table 3, and for DAS calculations. The Area to Mass ratios in Table 3 are correct and they were used in the DAS calculations.

2. The DAS activity logs show 8 components that appear totally unique to WVSAT A, among them a receive antenna. Are these 8 components unique to the 2T thickness thinsat?

Answer: Yes, these components are all unique to the 2T thinsat. They are not part of the 1T.

3. On pages 42 and 46 of the DAS activity logs, the WVSAT C/D Case 2 calculations use the area value from Table 4 of the ODAR and not the area-to-mass value. Please redo the calculations with the correct values and resubmit.

Answer: The activity log submitted, on pages 42 and 46 inadvertently contained log sections were captured from earlier runs that contained an error. That error was corrected on a subsequent run that was used for the ODAR, but the log from that subsequent run was not updated into the appendix. The appendix has been updated to include the log of the current correct model and has been uploaded as an exhibit to the application.