



Important technical reports generated at VSSC- ISRO

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1. "RAMBHA-Langmuir Probe Payload Mechanical System on-board Chandrayaan-2 Lander (document for CDR)", Doc. No. VSSC-MVIT-ASMG-ASMF-DR-21-18
2. "Flight Readiness Report on 'RAMBHA-Langmuir Probe Payload Mechanical System' on-board 'Vikram' in Chandrayaan-2 Mission", Doc. No. VSSC-MVIT-ASMG-ASMF-GR-25-18
3. "Assembly procedure for RAMBHA - LP Payload Mechanical System on-board Chandrayaan-2 Lander", Doc. No.: VSSC-MVIT-ASMG-ASMF-PW-008-17, Issue No. 1, Rev. No. 0
4. "RAMBHA - LP Functional qualification tests in thermo vacuum - tests requirements & plan", Doc. No. VSSC-MVIT-ASMG-ASMF-TR-11-18
5. "RAMBHA - LP: Unit level functional acceptance test - test requirements & plan", Doc. No. VSSC-MVIT-ASMG-ASMF-TR-20-18
6. "Functional acceptance thermo vacuum test requirements & plan for RAMBHA - LP payload mechanical system", Doc. No. VSSC-MVIT-ASMG-ASMF-TR-22-18.
7. **Flight Readiness Report:** CM Att Separation System, Ref. No. VSSC-MVIT-ASMG-PACDS-QR-2018/10.
8. **Flight Readiness Report:** CM-CES Separation System Assy., Ref. No. VSSC-MVIT-ASMG-PACDS-QAR-2017/38.
9. **Flight Readiness Report:** CM Deceleration System, Ref. No. VSSC-MVIT-ASMG-PACDS-QR-2017/10.
10. "Vibration test requirement document for RAMBHA - LP Payload Mechanical System", Report No: VSSC-MVIT-ASMG-ASMF-TR-007-17, Issue No. 1, Rev. No. 0.
11. "Assembly procedure for document for RAMBHA - LP Payload Mechanical System", Release pending.
12. "Development and qualification plan of RAMBHA - Langmuir Probe Payload mechanical system aboard Chandrayaan-2 Lander", Report No: VSSC-MVIT-ASMG-AMFD-TR-301-16, Issue No. 1, Rev. No. 0.
13. "**Preliminary Design** of thermal knife based hold-release mechanism", Report No: VSSC-MVIT-ASMG-AMFD-DR-215-15, Issue No. 1, Rev. No. 0

14. **“System Concepts Review** of Deployable Langmuir Probe for RAMBHA payload on-board Chandrayaan-2 Lander”, Report No: VSSC-MVIT-ASMG-AMFD-DR-230-15, Issue No. 1, Rev. No. 0
15. **“Preliminary Design of Langmuir Probe for RAMBHA payload** on-board Chandrayaan-2 Lander”, Report No: VSSC-MVIT-ASMG-AMFD-DR-240-15, Issue No. 1, Rev. No. 0

16. “Air Drop test of full Scale Crew Module – Test plan for trial sorties with helicopter”, VSSC-MVIT-ASMG-AMFD-TR-142-2014.
17. “A user manual titled “Air Drop test of full Scale Crew Module – Mi-17 V5 Helicopter trial sorties at SDSC SHAR”, Doc. No. SDSC/VAST/SBSP/HSP/02-14.
18. “Sequence of operations for helicopter trial sorties”, VSSC-MVIT-ASMG-AMFD-PW-149-2014.
19. “Integrated Air Drop test of full Scale Crew Module – Overall system integration procedure”, VSSC-MVIT-ASMG-AMFD-PW-154-2014.
20. A technical note on “design of CM interface ring for air drop test”, Ref. No. ASMG/AMFD/DSS/ADT/CMIR/02/2014, dtd. 04/03/2014.
21. A technical note on “Experimental determination of c.g. of ADTM (Air drop test module),to be used for Air drop test at SHAR”, Ref. No. HSP/CM/CGM-AD/01 dated: 16/07/14
22. “Integrated Air Drop test of HSP CM deceleration system – Test plan for acceptance tests of CM, Shield plate and CM Separation system”, VSSC-MVIT-ASMG-AMFD-TR-167-2014.
23. “A technical note on observations on structural test of air drop test hardware done at ASMG”, Ref. No. ASMG/AMFD/ADTM-SP/STR_TST dtd. 01 September 2014.
24. **“Integrated Air Drop Test using Helicopter – Test configuration and test article details”**, VSSC-MVIT-ASMG-AMFD-TR-177-2014.
25. “Design Modifications on ACS parachute mortar assembly with Apex cover”, VSSC-MVIT-ASMG-AMFD-TR-186-2014.
26. “Integrated Air Drop Test using Helicopter – Test hardware acceptance status”, VSSC-MVIT-ASMG-AMFD-TR-191-2014.
27. “A technical note on the stabilizer parachute deployment test under helicopter downwash”, Ref. No.: ASMG/AMFD/4.18/STB_Para_DT/PP/2014.
28. **“CM Deceleration System** for GSLV Mk III – CARE mission (CDR Document – Phase 1)”, VSSC-MVIT-ASMG-AMFD-DR-198-2014.

29. **“Air Drop test of full Scale Crew Module [Compliance document for clearance by CEMILAC]”**, VSSC-MVIT-ASMG-AMFD-TR-122-2013, Issue 1.
30. “Design document on Parachute opening load measurement scheme for Integrated Air drop test of CM deceleration system”, VSSC-MVIT-ASMG-AMFD-DR-123-2013, Issue 1.

31. "Test plan document on drop test of full scale Crew Module for HSP at GLR, SDSC/SHAR", VSSC-MVIT-ASMG-SSMD-TR-806-2012, issue 1, dtd. 16/05/2012.
32. "Drop test of full Scale Crew Module at GLR, SDSC/SHAR (Procedure for test hardware integration)", VSSC-MVIT-ASMG-SSMD-PW-807-2012, issue 1, dtd. 11/05/2012.
33. "Test plan document on RTRS Phase I test of Pilot chute of HSP deceleration system", VSSC-MVIT-ASMG-SSMD-TR-814-12, issue 1, dtd. 09/07/2012.
34. "RTRS phase 1 Tests for CM deceleration system - Procedure for test hardware integration", VSSC-MVIT-ASMG-SSMD-PW-816-12, issue 1, dtd. 12/07/2012.
35. "Design document on Parachute opening load measurement scheme for RTRS Phase-II tests", VSSC-MVIT-ASMG-SSMD-DR-830-12, issue 1, dtd. 4/10/2012.
36. "Design document on Parachute opening load measurement scheme for RTRS Phase-II tests", VSSC-MVIT-ASMG-SSMD-DR-830-12, issue 2, dtd. 26/11/2012.
37. "RTRS phase-2 Tests for CM deceleration system-Procedure for test hardware integration", VSSC-MVIT-ASMG-SSMD-PW-848-12, issue 1, dtd. 26/11/2012.
38. "Phase-2 RTRS Tests of Apex cover separation/Pilot and Drogue Parachutes at TBRL, Chandigarh - Test Plan document, VSSC-MVIT-ASMG-SSMD-TR-851-12", dtd. 29/11/2012.
39. "**Preliminary design** of Apex cover separation & pilot parachute mortar mounting schemes on CM", VSSC-MVIT-ASMG-SSMD-DR-841-12, issue 1, dtd. 20/12/2012.

40. "Test Plan for Energy Loss Studies on Helical Compression Springs of Satellite Separation System for PSLV/GSLV Flights", VSSC-MVIT-ASMG-SSMD-TR-723-2011, Issue 1, dtd. 4/04/ 2011.
41. "**Drop test of full Scale Crew Module -Test requirements**", VSSC-MVIT-ASMG-SSMD-TR-752/2011, issue 1, dtd. 23/09/2011.
42. "Drop test of full Scale Crew Module at GLR, SDSC/SHAR-Test requirements", VSSC-MVIT-ASMG-SSMD-TR-779/2011, issue 1, dtd. 1/12/2011.

43. "Deployable antenna system for RaBIT payload in YouthSat - Design modifications". VSSC-MVIT-ASMG-SSMD-DR-660-2010, Issue01, Rev 01, Dt. 13/06/2010.
44. "Deployable antenna system for RaBIT payload in YouthSat - development and qualification plan". VSSC-MVIT-ASMG-SSMD-DR-589-2009, Issue02, Rev 0, Dt. 23/07/2010.
45. "Bonding procedure of GFRP components to metallic components in Deployable Antenna system of RaBIT payload". VSSC-MVIT-ASMG-SSMD-PW-683-2010 Issue 01, Rev 0, Dt. 10/08/2010.
46. "Deployable antenna system for RaBIT payload of Youthsat-Procedure for system integration". VSSC-MVIT-ASMG-SSMD-PW-612-2009, Issue01, Rev 01, Dt. 8/09/2010.
47. "Deployment tests of Deployable antenna system for RaBIT payload in ambient condition-Test Requirements". VSSC-MVIT-ASMG-SSMD-TR-613-2010, Dt. 22/09/2010.

48. **"Deployable antenna system for RaBIT payload in YouthSat- Document for CDR"**.VSSC-MVIT-ASMG-SSMD-DR-705-2010 Issue 01, Rev 0, Dt. 15/11/2010.
49. "Assembly procedure document of STUDSAT separation system". VSSC-MVIT-ASMG-SSMD-PW-651-2010 Issue 01, Dt. 09/03/2010
50. **"Critical design review document of NANOSAT separation system"**. VSSC-MVIT-ASMG-SSMD-DR-659-2010 Issue 01, Dt. 23/04/2010.

51. "Vibration tests of Deployable antenna system for RaBIT payload in Youthsat - Test requirements" no. VSSC-MVIT-ASMG-SSMD-TR -642/ 2009.
52. **"Preliminary Design of Nanosat separation system"**, VSSC-MVIT-ASMG-SSMD-DR-636 -2009.
53. "Deployment tests of Deployable antenna system for RaBIT payload in Youthsat - Test requirements" no. VSSC-MVIT-ASMG-SSMD-TR - 613/ 2009.
54. "Deployable antenna system for RaBIT payload of Youthsat - Procedure for system integration", VSSC-MVIT-ASMG-SSMD-PW-612/2009.

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