

System Assessment of Reliability for the MSC

Young-Soo Kim, Do-Kyoung Lee, and Sun-Hee Woo

Satellite Application Department, Korea Aerospace Research Institute

The MSC (Multi-Spectral Camera), the payload of KOMPSAT-2, which will be launched at low earth orbit, is being developed by KARI (Korea Aerospace Research Institute) and an Israeli company, EL-OP, jointly. The design of the MSC has been completed and its reliability has been assessed from part level to the MSC system level. The reliability was analyzed in two cases, nominal case and worst case. The analysis results showed that the values in both cases comprise the required value of 0.9. In this paper, a calculation method of reliability is explained and assessment of the MSC system is presented.