

# **Ground Operation Guide for Payload Data**

## **Transmission of K-2 MSC**

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**Abstract** : The MSC (Multi-Spectral Camera) is the payload of KOMPSAT-2. The MSC is 1-m resolution camera system. The data rate of MSC acquisition data is 1.6 Gbps. Because of high data generation rate than transmission rate, it is need to be compressed. Compression of MSC acquisition make possible to transfer in the data band width, but there is guide-line to operate transmission system. In this paper, Compression Algorithm and Scheme of MSC data transmission will be described. And guide line to operate in Ground Segment will be explained.