

Background Sheet

Overview of Water Cycle Observation Satellite SHIZUKU (GCOM-W1)

Shape, dimensions:	Box-shaped fitted with two solar arrays and mission module 4.9m x 5.1m x 17.7m
Mass:	1,991kg
Power generation:	3,880W (when mission completed)
Design life:	Minimum 5 years
Rocket launched:	H-IIA rocket
Orbit:	Altitude 700km, sun-synchronous sub-recurrent orbit
AMSR2 overview:	Observing frequency: 7-89GHz 6 frequency bands Resolution: 5-50km Swath width: 1,450km

■ Simulated color composite image of earth taken by AMSR2 equipped with SHIZUKU (provided by JAXA)

