

Attachment:

■ Specifications of the Dual-frequency Precipitation Radar (DPR)

Name	Ku-band precipitation radar (KuPR)	Ka-band precipitation radar (KaPR)
Radar type	Active phased array radar	
Antenna	Slotted waveguide antenna	
Beam-matching accuracy	Less than 1,000 m	
Frequency	13.597, 13.603 GHz	35.547, 35.553 GHz
Swath width	245 km	125 km
Observation altitude	Surface to 19 km	
Horizontal resolution	5 km	
Vertical resolution	250 m	250 m, 500 m
Minimum detectable rainfall rate	0.5 mm/hour	0.2 mm/hour
Power consumption	Less than 384 W	Less than 326 W
Mass	403 kg	302 kg
Dimensions	2.5 m × 2.4 m × 0.6 m	1.4 m × 1.2 m × 0.8 m