North Korea's Space Capabilities

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North Korea has very limited space capabilities

- Relatively good rocket technology
 - Demonstrated ICBM-class liquid-fuel rockets
 - Rapidly developing solid-fuel technology
- Poor satellite technology
 - Very basic capabilities for GNC, solar power, imagery
 - Poor record of reliability
- Very limited tracking/command and control capabilities
 - Limited to just passes over Korean Peninsula

Kwangmyŏngsŏng 4 (KMS 4)



Kwangmyongsong-4: Two views of the purported earthobservation satellite Korea launched in January 2016. Image credit: chinaspaceflight.com

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Counterspace capabilities

	U.S.	Russia	China	India	Aus.	France	Iran	Japan	North Korea	South Korea	U.K.
LEO Co-Orbital						٠		•	٠	٠	
MEO/GEO Co-Orbital							۲		٠	٠	
LEO Direct Ascent					•	•	۲	٠	٠	٠	۲
MEO/GEO Direct Ascent						•			٠		
Directed Energy											
Electronic Warfare								٠		٠	
Space Situational Awareness									٠		
		Legend	: none	sc	ome	significa	ant 🔺				

https://swfound.org/counterspace/

Thank you!

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