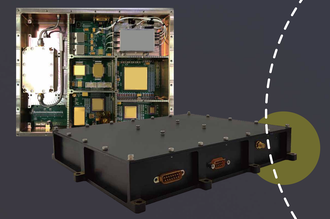
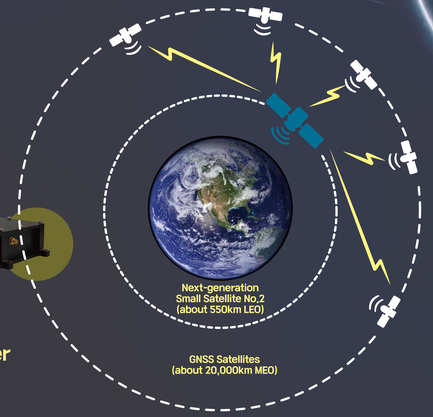
LEO GNSS-R
저궤도 위성용 복합 수신기

Items	Characteristics
Satellite	LEO
RF Characteristics	GPS L1/L5, Galileo E1/E5a (option)
Accuracy	Position ≤ 10m(3DRMS), Velocity: ≤ 1m/s
Raw Data Accuracy	Pseudo-Range: 1m(RMS)
	Carrier-Phase: 10mm(RMS)
Data Output Rate	1Hz
1PPS Accuracy	Sync to GPS Time Data < 1us
	(1PPS Accuracy < 1.5us)
TTFF	Cold Start ≤ 20min / Warm Start ≤ 10min
Data Interface	MIL-STD-1553B, RS-422(Data Interface)



LEO Multi-GNSS Receiver

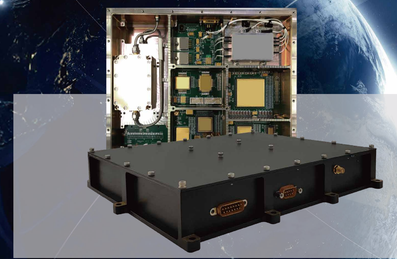


우주부품 적용, 신뢰성 검증된 핵심 부품의 국산화!

위성용 GNSS 복합 수신기

인공위성의 정밀한 궤도 결정을 위한
위치, 속도, 시각 정보를 제공하는
위성용 네비게이터

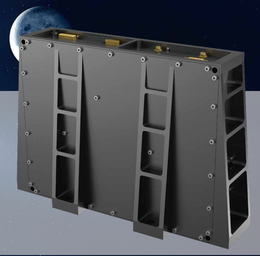
- 궤도 유지 정밀 서비스
- 위성수명 연장
- 위성 추적 비용 절감



저궤도용 GNSS-R

차세대 소형위성 2호 FM 탑재

우주 환경 성능검증 임무 수행 중
(23년 05월~현재)



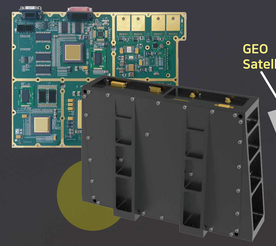
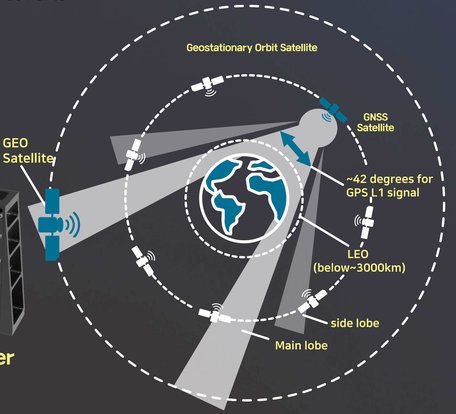
정지궤도용 GNSS-R

15년 Life-Time 신뢰성 확보

TRL7 QM 제작
(정지궤도 위성 탑재 예정)

GEO GNSS-R
정지궤도용 위성용 GNSS 복합 수신기

Items	Characteristics
Satellite	GEO
RF Characteristics	GPS L1/L2C/L5, Galileo E1
Accuracy	Position : : ≤ 30m (3D RMS), Velocity : ≤ 1m/s
Raw Data Accuracy	Pseudo-Range: 1m(RMS)
	Carrier-Phase: 10mm(RMS)
Data Output Rate	1Hz
1PPS Accuracy	2us(RMS)/ Sync to GPS Time Data
TTFF	Cold Start ≤ 45min / Warm Start ≤ 20min
Data Interface	MIL-STD-1553B
EEE Parts	ITAR Free Parts



GEO Multi-GNSS Receiver